



June 1951

# INDEX OF SURFACE-WATER RECORDS

## PART 6.—MISSOURI RIVER BASIN

TO SEPTEMBER 30, 1950

By

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# INDEX OF SURFACE-WATER RECORDS

## PART 6.—MISSOURI RIVER BASIN TO SEPTEMBER 30, 1950

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### Explanation

The index lists the stream-flow and reservoir stations in the Missouri River Basin for which records have been collected and published (or are to be published) for periods prior to September 30, 1950. The stations on streams, canals, lakes, and reservoirs are listed in downstream order. Tributary streams are indicated by indentation. Of the stations in Canada only those for which records have been or soon will be published by the Geological Survey in water-supply papers have been included in the index.

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.

Discharge records for many stations on canals have been published only by state agencies, and the names of these canal stations usually have been extended to identify them more fully. For a canal diverting from a main stream, the name of the nearest town has usually been added to the name of the canal; for a canal diverting from a minor tributary, the words "diversion from" followed by the name of the tributary have usually been added to the name of the canal station. Canal wastes and small diversions from streams into well-known canals usually have been listed under the names of the canals, and the downstream order of these wastes and diversions has been assigned as though these wastes and diversions were tributaries of the canals.

An attempt has been made to list under one name all equivalent or nearly equivalent discharge records that were obtained at two or more nearby sites on a stream unless the equivalent records were obtained concurrently. Some records that were not approximately equivalent have been published under one station name. These nonequivalent records have been separated in this index.

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. Some drainage areas not published by the Geological Survey are listed with an appropriate footnote stating the published source of the figure of drainage area.

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 in operation on September 30, 1950. The years given are calendar years. Periods of records published by agencies other than the Geological Survey are listed in parentheses only when they contain more detailed information or are for periods not reported in publications of the Geological Survey.

Records both of gage height and of discharge are listed for stream-flow 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 stream flow 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 42-49.

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Red Rock River (head of Missouri River) near Lakeview, Mont. ....	-	1933-37.
Red Rock River at Metzel Ford, near Monida, Mont. ....	a/243	1925-29; (1924-27**)a/.
Red Rock River at Kennedy Ranch, near Lakeview, Mont. ....	318	1936-
Red Rock River above Red Rock Reservoir, near Monida, Mont. ....	-	1911; 1914-15; 1930.
Red Rock River (Creek) below Red Rock Reservoir, near Monida, Mont. ....	560	1911-18; 1925- ; (1911-18**; 1924-29**)a/.
Red Rock River at Lima, Mont. ....	615	1907-11.
Red Rock River near Dell, Mont. ....	1,420	1942-
Red Rock River at Red Rock, Mont. ....	-	1890.
Beaverhead River (continuation of Red Rock River) at Barratts, Mont. ....	3,000	1907- ; (1907-29**)a/.
Beaverhead River at Dillon, Mont. ....	-	1907*.
Beaverhead River at Blaine, Mont. ....	3,630	1935-
Jefferson River (continuation of Red Rock- Beaverhead River) near Twin Bridges, Mont. ....	7,640	1940-43.
Jefferson River near Silverstar, Mont. ....	7,840	1910-16; 1920-39; (1910-16**)a/.
Jefferson River at Sappington, Mont. ....	8,980	1894-96*; 1896-1905; 1938- ; (1896-1905**)a/.
Missouri River (continuation of Jefferson River) at Toston, Mont. ....	-	1910-16; 1941- ; (1890*)b/; (1910-16**)c/.
Missouri River near Townsend, Mont. ....	14,500	1891-96*; 1896-1901; 1903-4; (1896-1904**)c/; (1902-16*)d/.
Lake Sewall on Missouri River, Mont. ....	-	1939- **
Missouri River (at Canyon Ferry) below Canyon Ferry Dam, Mont. ....	a/15,700	1889; (1917-31**)c/.
Hauser Lake on Missouri River, Mont. ....	-	1939- **
Missouri River below Hauser Lake Dam, near Helena, Mont. ....	16,600	1922-42; (1922-31**)c/.
Holter Reservoir on Missouri River, Mont. ....	-	1939- **
Missouri River below Holter Dam, near Wolf Creek, Mont. ....	-	1945-
Missouri River at Craig, Mont. ....	17,600	1890-92; (1889-92**)c/.
Missouri River at Cascade, Mont. ....	18,300	1902-15; (1902-15**)c/.
Missouri River at Great Falls, Mont. ....	a/22,994	(1890*); 1894-95*)b/; (1910-11**)c/.
Missouri River at Fort Benton, Mont. ....	24,600	1881- ; (1873-76*)d/.
Missouri River at Loma, Mont. ....	34,100	1935-
Missouri River at power plant ferry, near Zortman, Mont. ....	40,600	1934-
Fort Peck Reservoir at Fort Peck, Mont. ....	57,725	1938-40*; 1938- **
Missouri River below Fort Peck Dam, Mont. ....	57,800	1934-
Missouri River near Wolf Point, Mont. ....	83,200	1928- ; (1891-96*)b/; (1905-25*)d/.
Missouri River near Culbertson, Mont. ....	92,500	1941-
Missouri River at Fort Buford, N. Dak. ....	-	(1891-93*)d/.
Missouri River near Williston, N. Dak. ....	164,500	1905-7; 1928- ; (1905- 7**)c/; (1909-11*; 1913-28*)d/.
Missouri River at Sanish, N. Dak. ....	a/167,100	1928-32.
Missouri River near Elbowoods, N. Dak. ....	179,800	1939-
Missouri River at Ree, N. Dak. ....	-	(1920-21*)d/.
Missouri River at Mannhaven, N. Dak. ....	a/180,858	1904*.
Missouri River below Garrison Dam, N. Dak. ....	181,400	1948-
Missouri River at Washburn, N. Dak. ....	a/183,860	1905*; (1918-24*; 1928*; 1936*; 1939*)d/.
Missouri River at Bismarck, N. Dak. ....	186,400	1904-5; 1927- ; (1904-5**; 1927-31**)c/; (1881-83*; 1886-99*)b/; (1891- *)d/.
Missouri River near Mobridge, S. Dak. ....	208,700	1928-
Missouri River at Fort Sully, S. Dak. ....	-	(1873-77*)b/.
Missouri River at Pierre, S. Dak. ....	243,500	1929- ; (1882*; 1895-99*)b/; (1891-1916*; 1918-*)d/.
Missouri River at Chamberlain, S. Dak. ....	250,800	1928-29; 1945- ; (1882*)b/; (1908-28*)d/.

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

b/ In reports of Missouri River Commission.

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

d/ In reports of United States Weather Bureau.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River at Geddes, S. Dak. ....	-	(1931-*)d/.
Missouri River below Fort Randall Dam, S. Dak. ....	263,500	1947-
Missouri River at Running Water, S. Dak. ....	-	(1881*; 1892-95*)b/; (1908-21*)d/.
Missouri River at Yankton, S. Dak. ....	279,500	1930-; (1873-86*; 1921-*)d/.
Missouri River at Sioux City, Iowa ....	314,600	1928-31; 1938-; (1879- 90**)c/; (1878-99*)b/; (1888-*)d/.
Missouri River at Blair, Nebr. ....	-	(1881-99*)b/; (1905-39*)d/.
Missouri River at Omaha, Nebr. ....	322,800	1928-; (1872-99*)b/; (1875-*)d/.
Missouri River at Plattsmouth, Nebr. ....	-	(1873-99*)b/; (1873- 1928*; 1932*)d/.
Missouri River at Nebraska City, Nebr. ....	414,400	1929-; (1878-99*)b/.
Missouri River at Brownville, Nebr. ....	-	(1880-99*)b/.
Missouri River at Rulo, Nebr. ....	418,905	1949-; (1886-99*)b/.
Missouri River at White Cloud, Kans. ....	-	(1881-92*)b/.
Missouri River at St. Joseph, Mo. ....	424,300	1928-; (1872-99*)b/; (1873-*)d/.
Missouri River at Atchison, Kans. ....	c/424,670	(1878-99*)b/.
Missouri River at Fort Leavenworth, Kans. ....	-	(1872-81*; 1886-99*)b/.
Missouri River at Leavenworth, Kans. ....	c/425,010	1922-29; (1921-29**)c/; (1873-89*; 1892*; 1894-99*)b/.
Missouri River at Kansas City, Mo. ....	489,200	1905; 1906*; 1928-; (1879- 90**; 1904-5**)c/; (1873-*)d/.
Missouri River at Avondale, Mo. ....	-	(1887-99*)b/.
Missouri River at Sibley, Mo. ....	-	(1887-99*)b/.
Missouri River at Lexington, Mo. ....	-	(1873-99*)b/.
Missouri River at Waverly, Mo. ....	491,200	1929-; (1878-79*; 1883- 99*)b/; (1915-*)d/.
Missouri River at Dewitt, Mo. ....	-	(1883-99*)b/.
Missouri River at Brunswick, Mo. ....	-	(1873-85*)d/.
Missouri River at Glasgow, Mo. ....	502,875	1949-; (1878-99*)b/; (1903-14*)d/.
Missouri River at Boonville, Mo. ....	505,700	1925-; (1873-*)d/.
Missouri River at Jefferson City, Mo. ....	c/507,525	(1873-85*)d/; (1878-99*)b/.
Missouri River at Ewing's Landing, Mo. ....	-	(1891-97*)b/.
Missouri River near Bonnots Mill (at Isbell), Mo. ....	523,400	1928-36; (1894-99*)b/; (1936-39*)c/.
Missouri River at Chamois, Mo. ....	c/524,018	(1895-97*)b/.
Missouri River at Gasconade, Mo. ....	-	(1894-99*)b/.
Missouri River at Coles Creek, Mo. ....	-	(1891-99*)b/.
Missouri River at Hermann, Mo. ....	528,200	1928-; (1873-*)d/.
Missouri River at St. Charles, Mo. ....	c/529,190	(1879-90**)c/; (1878-99*)b/; (1918-*)d/.
Missouri River at Ruegg (Bellefontaine Bridge), Mo. ....	529,000	1933-35; (1892-99*)b/.
Sheep Creek below Muddy Creek near Dell, Mont. ....	-	1946-
Sheep Creek near Dell, Mont. ....	-	1936-
Horse Prairie Creek near Grant, Mont. ....	-	1946-
Grasshopper Creek near Dillon, Mont. ....	360	1921-33; 1945-; (1921-29**)a/.
Rattlesnake Creek near Dillon, Mont. ....	-	1946-49.
Blacktail Creek near Dillon, Mont. ....	-	1946-
Ruby River above Warm Springs Creek near Alder, Mont. ...	-	1948-
Ruby River above reservoir, near Alder, Mont. ....	537	1938-
Ruby River reservoir ....	-	1939- **
Ruby (Passamari) River at dam site (at Lauterbach's ranch) near Alder, Mont. ....	-	1911-14; 1935-36.
Ruby River near Alder, Mont. ....	-	1929-39; 1946-
Ruby River at Laurin, Mont. ....	-	1946-
Ruby River below Ramshorn Creek near Sheridan, Mont. ....	-	1946-
Ruby River near Sheridan, Mont. ....	-	1946-
Ruby River near Twin Bridges, Mont. ....	986	1940-43; 1946-
Big Hole River near Jackson, Mont. ....	-	1948-
Big Hole River near Dewey, Mont. ....	-	1910-13; (1910-13**)a/.
Big Hole River near Melrose, Mont. ....	2,470	1924-; (1923-29**)a/.
Miner Creek near Jackson, Mont. ....	-	1948-
Trail Creek near Wisdom, Mont. ....	-	1948-
Birch Creek near Reichle, Mont. ....	-	1946-
Bell Creek near Waterloo, Mont. ....	-	1941-42.

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

b/ In reports of Missouri River Commission.

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

d/ In reports of United States Weather Bureau.

e/ In reports of the Missouri Geological Survey and Water Resources.

\* Gage heights only.

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Big Pipestone Creek near Whitehall, Mont. ....	115	1910-11.
Little Pipestone Creek near Whitehall, Mont. ....	-	1935-40.
Whitetail Creek near Whitehall, Mont. ....	-	1949-
Whitetail Creek at Whitehall, Mont. ....	-	1911.
Little Whitetail Creek near Whitehall, Mont. ....	-	1911.
Boulder River above Rock Creek near Basin (at CCC Camp, near Bernice), Mont. ....	-	1936; 1946-
Boulder River at Basin, Mont. ....	219	1921-23.
Boulder River near Basin, Mont. ....	-	1919-20.
Boulder River near Boulder, Mont. ....	-	1929-31; 1934-
Rock Creek at CCC Camp near Bernice, Mont. ....	-	1936.
Muskrat Creek near Boulder, Mont. ....	7	1912-14.
<u>Little Boulder River Basin</u>		
North Fork Little Boulder River near Boulder, Mont. ..	-	1926.
South Boulder Creek near Jefferson Island, Mont. ....	-	1926-33.
Willow Creek near Harrison, Mont. ....	88.4	1938-
Harrison Lake (Willow Creek Reservoir) ....	-	1939- **
Willow Creek near Willow Creek, Mont. ....	164	1919-32; 1946-
Norwegian Creek near Harrison, Mont. ....	34.6	1938-43; 1946-
Gibbon River near West Yellowstone, (Yellowstone) Mont. ....	117	1913-16.
Madison River near West Yellowstone, (Yellowstone) Mont. ....	419	1913- ; (1913-28**)a/.
Hebgen Reservoir ....	-	1939- **
Madison River below Hebgen Reservoir, near Grayling, Mont. ....	904	1938-
Madison River at Lyon, Mont. ....	-	1928-32.
Madison Reservoir ....	-	1939- **
Madison River below Madison Reservoir, near McAllister, Mont. ....	2,180	1938-
Madison River near Norris (Red Bluff), Mont. ....	2,280	1890-93; 1893-94*; 1910.
Madison River below Cherry Creek, near Norris (Red Bluff), Mont. ....	2,390	1897-1905; (1896-1905**)a/.
Madison River near Three Forks, Mont. ....	2,485	1893-94*; 1895-97; 1928-32; 1941-50.
West Fork Madison River near Lakeview, Mont. ....	-	1936.
Gallatin River near Gallatin Gateway (Bozeman), Mont. ....	828	1889-94; 1930- ; (1889-94**)a/.
Gallatin (West Gallatin) River near Salesville, Mont. ....	848	1895-1905; 1910-13; 1921- 23; (1911-13**); (1922-23**)a/.
Gallatin River at Logan, Mont. ....	1,805	1893-94*; 1895-98; 1900- 05; 1928-
Taylor Creek near Grayling, Mont. ....	-	1946-
East Gallatin River at Bozeman, Mont. ....	149	1939-
Bridger Creek near Bozeman, Mont. ....	-	1946-
Hyalite Creek (Middle Creek near Bozeman) at Hyalite ranger station near Bozeman, Mont. ....	45	1895-96; 1898-1900; 1902; 1904; 1934-
Sixteen Mile Creek at Ringling, Mont. ....	-	1950-
Broadwater East Canal near Toston, Mont. ....	-	1941-49.
Broadwater West Canal near Toston, Mont. ....	-	1941-49.
Crow Creek near Townsend, Mont. ....	33	1912-13*.
Crow Creek near Radersburg, Mont. (Upper station) ....	a/54	1901*; 1924-29; (1924-29**)a/ c/.
Crow Creek near Radersburg, Mont. (Lower station) ....	c/66	1919-22; (1919-22**)c/.
Deep Creek near Townsend, Mont. ....	89	1910-15*.
Prickly Pear Creek near Clancy, Mont. ....	178	1908*; 1909; 1910-16; 1921-33; 1945- ; (1910- 16**; 1921-33**)c/.
Prickly Pear Creek at East Helena, Mont. ....	c/258	1908-13; (1909-13**)c/.
Dutchman Creek near Alhambra, Mont. ....	11.2	1921-24; (1921-24**)c/.
Warm Springs Creek at (near) Alhambra, Mont. ....	18.7	1921-24; (1921-24**)c/.
Clancy Creek at Clancy, Mont. ....	33.4	1921-23; (1921-23**)c/.
Lump Gulch Creek at Foley's ranch near Clancy, Mont. ....	c/42	1921-24; (1921-24**)c/.
Lump Gulch Creek at Zastrow's ranch near Clancy, Mont. ....	c/54	1908-13; (1908-13**)c/.
Tenmile Creek near Rimini, Mont. ....	34	1915- ; (1914-31**)c/.
Tenmile Creek near Helena, Mont. ....	103	1908- ; (1908-31**)c/.

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

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

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Prickly Pear Creek tributaries--Continued.		
Tennmile Creek tributaries--Continued.		
Sevenmile Creek at Birdseye, Mont. ....	c/68	1909-13; (1908-13**)c/.
Sevenmile Creek near Helena, Mont. ....	-	1908*.
Lake Helena on Tennmile Creek, Mont. ....	-	1945-
Little Prickly Pear Creek near Marysville, Mont. (Upper station) .....	-	1909-11.
Little Prickly Pear Creek near Marysville, Mont. (Lower station) .....	44	1913-32; (1913-31**)c/.
Little Prickly Pear Creek near Canyon Creek, Mont. ....	180	1909-11; 1913-24; (1908-11**; 1913-24**)c/.
Lost Horse Creek near Marysville, Mont. ....	c/65	1909-11; (1909-11**)c/.
Deadman Creek near Marysville, Mont. ....	c/6	1909-11; (1909-11**)c/.
Marsh Creek near Marysville, Mont. ....	c/7.5	1909-11; (1909-11**)c/.
Canyon Creek near Canyon Creek, Mont. ....	74	1921-23; (1921-23**)c/.
Cottonwood Creek near Canyon Creek, Mont. ....	17	1921-22; (1921-22**)c/.
Dearborn River near Clemons, Mont. ....	122	1908-11; 1921-23; 1929-32; 1934-; (1920-23**; 1929-31**)c/.
Dearborn River near Craig, Mont. ....	-	1945-
Falls Creek near Clemons, Mont. ....	c/40	1908-11; (1908-11**)c/.
Smith River near White Sulphur Springs, Mont. ....	c/36	1922-31; 1934-36; (1922-31**)c/.
Smith River Reservoir .....	-	1939- **
Smith River above Fivemile Creek, near White Sulphur Springs, Mont. ....	-	1934-43.
Smith River at Truly, Mont. ....	c/2,005	1905-7; 1929-32.
Newland Creek near White Sulphur Springs, Mont. ....	-	1945-
Newland Creek below dam site near White Sulphur Springs, Mont. ....	-	1950-
Sheep Creek near White Sulphur Springs, Mont. ....	35.5	1941-
North Fork of North Fork Sun River near Augusta, Mont. ....	c/280	1911-12; 1945-; (1911-12**)c/.
Gibson Reservoir on Sun River, Mont. ....	-	1940- **
North Fork (Sun River above Augusta) Sun River near Augusta, Mont. ....	596	1889-90; 1904*; 1905-28; 1936-38***; (1905-28**)c/.
Sun River at Fort Shaw, Mont. ....	1,475	1912-28; (1912-28**)c/.
Sun River at Sun River, Mont. ....	-	1905-12; (1905-12**)c/.
Sun River near Vaughn, Mont. ....	-	1934-
Sun River near Great Falls, Mont. ....	-	1897*.
South Fork of North Fork Sun River near Augusta, Mont. ....	c/247	1911-12; (1911-12**)c/.
Pishkun Reservoir (offstream Sun River), Mont. ....	-	1940- **
Floweree Big Canal near Augusta, Mont. ....	-	1912.
Willow Creek near Augusta, Mont. ....	90	1905-25; (1905-25**)c/.
Willow Creek Reservoir on Willow Creek (offstream Sun River), Mont. ....	-	1940-
South Fork Sun River at Augusta, Mont. ....	200	1904*; 1905-24; (1904-24**)c/.
Smith Creek near Augusta, Mont. ....	26	1906-12.
Smith Creek below Ford Creek, near Augusta, Mont. ....	-	1945-
Ford Creek near Augusta, Mont. ....	18	1906-12; (1906-12**)c/.
Crown Butte Canal at Riebeling, Mont. ....	-	1912.
Crown Butte Canal near Simms, Mont. ....	-	1912.
Sun River Canal near Sun River, Mont. ....	-	1912.
Sun River Canal at Vaughn, Mont. ....	-	1912.
Muddy Creek near Power, Mont. ....	-	1935-39.
Muddy Creek at Vaughn, Mont. ....	c/268	1925-26; 1934-
Belt Creek near Belt, Mont. ....	-	1905-6; (1904-6**)c/.
Highwood Creek near Highwood, Mont. ....	-	1905-6; (1904-6**)c/.
Lower Two Medicine Lake (Two Medicine Lake) on Two Medicine River, Mont. ....	-	1940-
Two Medicine River near Glacier Park, Mont. ....	56	1918-24.
Two Medicine River at Midvale, Mont. ....	-	1902-3*.
Two Medicine River at Family, Mont. ....	368	1907-24; (1907-24**)f/.
Marias River near Shelby, Mont. ....	2,610	1902-8; 1911-; (1911-28**)f/.
Marias River near Chester, Mont. ....	-	1921; 1945-47.
Marias River near Brinkman, Mont. ....	6,400	1921-; (1921-31**)c/.
Badger Creek near Family, Mont. ....	241	1907-24; (1907-24**)f/.
Four Horns Reservoir (offstream Badger Creek), Mont. ....	-	1940- **

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

f/ 72d Cong., 1st sess., H. Doc. 191, Marias River.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

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



## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued..		
Marias River tributaries--Continued.		
Birch Creek (Swift) Reservoir on Birch Creek, Mont. ....	-	1940- **
Birch Creek at Swift Dam, near Dupuyer, Mont. ....	75	1913-26; 1927-29; (1913-27**)f/.
Birch Creek near Dupuyer, Mont. ....	110	1907-26; 1927-32; (1907-27**)f/.
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; (1907-13**)f/.
Dupuyer Creek near Valier, Mont. ....	111	1912-26; 1927-32; (1912-27**)f/.
Lake Frances Reservoir (offstream Birch and Dupuyer Creeks), Mont. ....		
Cut Bank Creek near Browning, Mont. ....	-	1940- **
Cut Bank Creek at Cut Bank, Mont. ....	971	1918-24; (1917-25**)f/.
Dry Fork of Marias River near Valier, Mont. ....	125	1905-19; 1922-24; (1905-19**)f/.
Dry Fork of Marias River at Fowler, Mont. ....	-	1911-15; (1910-15**)f/.
Willow Creek near Devon, Mont. ....	-	1920-31; (1920-27**)f/.
Teton River near Farmington, Mont. ....	-	1921-25; (1920-24**)f/.
Teton River at Strabane (near Belleview), Mont. ....	170	1947-
Teton River near Choteau, Mont. ....	-	1904-6*; 1908-25; 1908-24**)f/.
Teton River near Fort Benton, Mont. ....	c/1,945	1905*; 1906; 1913; 1915-19.
Spring Creek near Strabane, Mont. ....	-	1929-32; (1928-31**)c/.
Spring Creek near Choteau, Mont. ....	-	1913; 1917-20.
Deep Creek at Frazier's ranch, near Choteau, Mont. ....	38	1917-20.
Deep Creek near Choteau, Mont. ....	-	1912.
Willow Creek near Choteau, Mont. ....	-	1911-24; (1911-24**)f/.
Muddy Creek near Bynum, Mont. ....	82	1912-17; (1912-17**)f/.
Muddy Creek near Agawam, Mont. ....	-	1912-24; (1911-25**)f/.
Blackleaf Creek near Bynum, Mont. ....	65	1917; (1916-17**)f/.
Judith River near Utica, Mont. ....	331	1912-24; (1912-24**)f/.
Judith River near Lewistown, Mont. ....	-	1919-
Judith River near Winifred, Mont. ....	c/2,150	1910.
Ackley Lake (offstream Judith River), Mont. ....	-	1929-32; (1929-31**)c/.
Ross Fork near Hobson, Mont. ....	-	1939- **
Big Spring Creek near Lewistown, Mont. ....	-	1946-
Cottonwood Creek near Lewistown, Mont. ....	-	1932-
Sage Creek at Windham, Mont. ....	58	1945-
Wolf Creek near Stanford, Mont. ....	120	1920-21.
North Fork Musselshell River near Delpine, Mont. ....	21.8	1920-26; (1919-26**)c/; 1950-
North Fork Musselshell River at Delpine, Mont. ....	48	1940-
North Fork Musselshell River near Martinsdale, Mont. ....	g/230	1909-11; 1922-32; (1908-12**;
Musselshell River at Harlowton, Mont. ....	1,130	1921-28**)g/.
Musselshell River at Shawmut, Mont. ....	g/1,580	1907-14; (1906-14**)g/.
Musselshell River near Ryegate, Mont. ....	-	1907- ; (1906-29**)g/.
Musselshell River at Lavina, Mont. ....	-	1902-5*; 1905-7; (1904-7**)g/.
Musselshell River near Roundup, Mont. ....	-	1946-
Musselshell River at Musselshell, Mont. ....	g/4,760	1906*.
Musselshell River at Mosby, Mont. ....	8,010	1946-
Durand Reservoir on North Fork Musselshell River (offstream Checkerboard Creek), Mont. ....	-	1928-32; 1945- (1905-6*)d/;
Checkerboard Creek at Delpine, Mont. ....	24.3	(1928-29**)g/.
Spring Creek near Martinsdale, Mont. ....	35	1929-32; 1934- ; (1929-31**)c/.
South Fork Musselshell River above Martinsdale, Mont. ....	-	1940- **
South Fork Musselshell River near Martinsdale, Mont. ....	g/320	1909-11; 1913-14; 1922-32;
Martinsdale Reservoir (offstream South Fork Musselshell River), Mont. ....	-	(1908-14**;
American Fork near Harlowton, Mont. ....	g/100	1921-29**)g/.
American Fork below Lebo Creek near Harlowton, Mont. ....	-	1922-24; (1921-24**)g/.
Lebo Creek near Harlowton, Mont. ....	48	1941-
		1907-14; 1930-32; (1906-15**)g/.
		1940- **
		1907-11; 1913; 1924-32;
		(1906-14**;
		1923-29**)g/.
		1946-
		1907-8*; 1909-11; 1913; 1924-
		32; (1908-14**;
		1923-29**)g/.

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

d/ In reports of United States Weather Bureau.

f/ 72d Cong., 1st sess., H. Doc. 191, Marias River.

g/ 72d Cong., 1st sess., H. Doc. 146, Musselshell River.



## MISSOURI RIVER TRIBUTARIES

7

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Musselshell River tributaries--Continued.		
Deadman's Basin Reservoir (offstream Musselshell River), Mont. ....	-	1940- **
Careless Creek near Living Springs, Mont. ....	18.5	1920-23; (1920-23**)g/.
Careless Creek at Wallum, Mont. ....	-	1934-42.
West Careless Creek near Living Springs, Mont. ....	20	1920-21; (1920-21**)g/.
Roberts Creek at Hedgesville, Mont. ....	300	1920-23.
South Willow Creek (Willow Creek), near Roundup, Mont. ....	-	1922-23*.
Box Elder Creek near Winnett, Mont. ....	-	1930-32; 1934-38.
McDonald Creek at Winnett, Mont. ....	-	1930-32; 1934-45.
Flatwillow Creek near Flatwillow, Mont. ....	195	1911-32; 1934- ; (1911-29**)g/.
Flatwillow Creek near Winnett, Mont. ....	-	1948-
Flatwillow Creek at Petrolia, Mont. ....	650	1921-32; (1921-29**)g/.
Dry Creek near Van Norman, Mont. ....	2,530	1939-
South Fork Milk River near international boundary near Browning, Mont. ....	288	1905-30; (1905-30**)h/.
South Fork Milk River near international boundary	433	1931-
Milk River at Milk River, Alberta	1,104	1909-17; 1917-20**; 1920- ; (1909- )i/.
Milk River at eastern crossing of international boundary	2,514	1909- ; (1909-30**)h/.
Fresno Reservoir on Milk River, Mont. ....	-	1940- **
Milk River above Havre, Mont. ....	-	1928-32; (1928-30**)h/.
Milk River at Havre, Mont. ....	h/5,707	1898-1922; (1898-1922**)h/.
Milk River at Lohman, Mont. ....	6,070	1923-25; 1934- ; (1922-25**)h/.
Milk River at Chinook, Mont. ....	-	1897*.
Milk River at Malta, Mont. ....	h/12,457	1902-22; (1902-22**)h/.
Milk River near Vandalia (at Hinsdale), Mont. ....	21,900	1908-20; 1928-39; (1907-20**; 1928-31**)h/.
Milk River at Nashua, Mont. ....	23,300	1939-
North Fork Milk River near Browning, Mont. ....	-	1918.
North Fork Milk River above St. Mary Canal, near Browning, Mont. ....	62	1911-12; 1921- ; (1911-12**; 1920-30**)h/.
North Fork Milk River near international boundary (Kimball, Alberta) ....	101	1909- ; (1909-30**)h/.
St. Mary Canal at Hudson Bay divide near Browning, Mont. ....	-	1917- (Published in Part 5).
<u>Wild Horse Lake Basin</u> (closed basin, not tributary to Milk River)		
Sage Creek at international boundary	-	1947-
Big Sandy Creek near Big Sandy, Mont. ....	-	1946-
Big Sandy Creek near Box Elder, Mont. ....	-	1928-32; 1934-38; (1927-30**)h/.
Big Sandy Creek near Assiniboine (Laredo), Mont. ....	h/1,956	1918-20; 1945- ; (1918-20**)h/.
Sage Creek near Kremlin, Mont. ....	-	1945-
Beaver Creek near Havre, Mont. ....	h 95	1918-21; (1918-21**)h/.
Little Boxelder Creek near Havre, Mont. ....	h 29	1918; 1919-21; (1919-21**)h/.
Fort Belknap Canal near Chinook, Mont. ....	-	1903-21.
Clear Creek near Bearpaw, Mont. ....	74	1918-21; (1918-20**)h/.
New Paradise Valley Canal near Chinook, Mont. ....	-	1920-21.
Winter-Anderson Canal near Chinook, Mont. ....	-	1906-8.
Lodge Creek at international boundary	797	1910- ; (1911-30**)h/.
Lodge Creek (West Fork Milk River) at Chinook, Mont. ....	h/1,279	1906-7; 1908* ; (1905-7**)h/.
McRae Coulee at international boundary	53	1927- ; (1926-30**)h/.
North Chinook Canal near Havre, Mont. ....	-	1928-
Reser ditch near Chinook, Mont. ....	-	1905; 1906*.
West Fork ditch near Chinook, Mont. ....	-	1905-6.
Battle Creek above Cypress Lake west inflow canal near West Plains, Saskatchewan, Canada. ....	240	1947- ; (1939- )i/.
Battle Creek at international boundary	726	1917-
Battle Creek (North Fork Milk River) near Chinook, Mont. ....	1,430	1905-21; (1905-21**)h/.
Cypress Lake west inflow canal near West Plains, Saskatchewan, Canada	-	1947- ; (1939- )i/.
Cypress Lake west outflow canal near West Plains, Saskatchewan, Canada	-	1947- ; (1940- )i/.
Woodpile Coulee near international boundary	70	1927- ; (1926-30**)h/.
East Fork Battle Creek near international boundary	98	1927- ; (1926-30**)h/.

g/ 72d Cong., 1st sess., H. Doc. 146, Musselshell River.

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

i/ In reports of Canada, Department of Resources and Development.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Milk River tributaries--Continued.		
Battle Creek tributaries--Continued.		
East Fork Battle Creek tributaries--Continued.		
Lyons Coulee at international boundary .....	47	1927- ; (1926-30**) <u>h</u> /
Cook Canal near Chinook, Mont. ....	-	1905-19.
Matheson Canal near Chinook, Mont. ....	-	1905-21; 1928-
Paradise Valley Canal near Chinook, Mont. ....	-	1903*; 1904-9; 1911-19.
Harlem Canal near Zurich, Mont. ....	-	1904-21.
Agency ditch near Harlem, Mont. ....	-	1905; 1906-10*; 1910-20.
Peoples Creek near Dodson, Mont. ....	<u>h</u> / 729	1918-19; 1921.
Nelson Reservoir (offstream Milk River), Mont. ....	-	1940- **
Whitewater Creek near international boundary .....	<u>h</u> / 662	1927- ; (1926-30**) <u>h</u> /.
Frenchman River above East End Reservoir near Ravenscrag (at Phillips' ranch), Saskatchewan, Canada	-	1947- ; (1912-17; 1937- ) <u>i</u> /.
East End Reservoir at East End, Saskatchewan, Canada ...	-	1947- **; (1937- ) <u>i</u> /.
Frenchman River below East End Reservoir near (Frenchman River at) East End, Saskatchewan, Canada.	-	1947- ; (1909-31; 1935-37; 1939- ) <u>i</u> /.
Frenchman River at Morrisons near East End, Saskatchewan, Canada .....	-	1947- ; (1937- ) <u>i</u> /.
Frenchman River at 50-Mile near Bracken, Saskatchewan, Canada .....	-	1947- ; (1914-31; 1935- ) <u>i</u> /.
Val Marie West Reservoir near Val Marie, Saskatchewan, Canada .....	-	1947- **; (1940- ) <u>i</u> /.
Val Marie Reservoir near Val Marie, Saskatchewan, Canada .....	-	1947- **; (1937- ) <u>i</u> /.
Frenchman River below Val Marie, Saskatchewan, Canada .....	-	1947- ; (1937- ) <u>i</u> /.
Frenchman River at international boundary .....	2,020	1917- ; (1917-30**) <u>h</u> /.
Belanger Creek diversion canal near Vidora, Saskatchewan, Canada .....	-	1947- ; (1946- ) <u>i</u> /.
Cypress Lake Reservoir near Vidora, Saskatchewan, Canada .....	-	1947- **; (1939- ) <u>i</u> /.
Cypress Lake east outflow canal near Vidora, Saskatchewan, Canada .....	-	1947- ; (1940- ) <u>i</u> /.
East End Canal at East End, Saskatchewan, Canada .....	-	1947- ; (1937- ) <u>i</u> /.
Val Marie West Gravity Canal near Val Marie, Saskatchewan, Canada .....	-	1947- ; (1946- ) <u>i</u> /.
Val Marie Canal near Val Marie, Saskatchewan, Canada	-	1947- ; (1937- ) <u>i</u> /.
Frenchman Canal near Saco, Mont. ....	-	1928- ; (1927-38**) <u>i</u> /.
Beaver Creek near Malta, Mont. ....	<u>h</u> /1,130	1917-21; (1917-21**) <u>h</u> /.
Beaver Creek near Bowdoin, Mont. ....	-	1920-21; (1920-21**) <u>h</u> /.
Beaver Creek near Saco (Ashfield, Bowdoin), Mont. ....	<u>h</u> /1,315	1903*; 1904-6; 1909-12; 1918; (1903-6**; 1908-10**; 1917-18**) <u>h</u> /.
Beaver Creek near Hinsdale, Mont. ....	<u>h</u> /2,045	1918-21; (1918-21**) <u>h</u> /.
Beaver Creek overflow near Bowdoin, Mont. ....	-	1903-6; 1908-10; 1911*; 1912.
Rock Creek at international boundary (near Barnard, Mont.) .....	242	1914-15**; 1927-; (1926-30**) <u>h</u> /.
Rock Creek below Horse Creek, near international boundary (near Barnard, Mont.) .....	-	1916-26.
Rock Creek near Hinsdale, Mont. ....	<u>h</u> /1,396	1906-7; 1912-20; (1905-7**; 1911-20**) <u>h</u> /.
Horse Creek at international boundary (near Barnard, Mont.) .....	71	1914-17; 1918-26**; 1927- ; (1914- ) <u>i</u> /; (1926-30**) <u>h</u> /.
McEachern (McEachran) Creek at international boundary	160	1924-
Rock Creek Canal near Hinsdale, Mont. ....	-	1905; 1906-7*; 1918-20.
Porcupine Creek at Nashua, Mont. ....	<u>h</u> /729.	1908*; 1909-24; (1908-24**) <u>h</u> /.
Little Porcupine Creek at Frazer, Mont. ....	<u>c</u> /344	1908*; 1909-16; 1918-19; (1908-16**; 1917-19**) <u>c</u> /.
Wolf Creek near Wolf Point, Mont. ....	<u>c</u> /244	1908*; 1909-14; (1909-14**) <u>c</u> /; 1950-
Wolf Point ditch at Wolf Point, Mont. ....	-	1909.
Redwater Creek at Circle, Mont. ....	534	1929- ; (1929-31**) <u>c</u> /.
Middle Fork Poplar River at international boundary .....	381	1931-
Poplar River near Bredette, Mont. ....	2,840	1934-47.
Poplar River near Poplar, Mont. ....	<u>c</u> /3,070	1908*; 1909-24; 1947- ; (1908-24**) <u>c</u> /.
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-
West Fork Poplar River near Richland, Mont. ....	-	1935-49.
Big Muddy Creek at international boundary .....	-	1949-

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

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

i/ In reports of Dominion Water and Power Bureau.

i/ In reports of Montana State engineer and Agricultural Experiment Station.

\* Gage heights only.

## MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Big Muddy Creek at Daleview, Mont. ....	-	1947-
Big Muddy Creek at Plenty Wood, Mont. ....	-	1948-
Big Muddy Creek at Reserve, Mont. ....	c/1,385	1920-24; 1950-; (1919-24**)c/.
Big Muddy Creek near Culbertson, Mont. ....	c/2,784	1908*; 1909-21; (1909-21**)c/.
Beaver Creek near international boundary .....	-	1949-
Wolf Creek near Medicine Lake, Mont. ....	c/160	1918-19.
Smoke Creek near Poplar, Mont. ....	-	1918.
Yellowstone Lake at Lake Hotel, Yellowstone National Park ..	1,010	1921-*
Yellowstone River at Yellowstone		
Lake Outlet, Yellowstone National Park .....	1,010	1922-26*; 1926-
Yellowstone River near Canyon Hotel (at Canyon		
Soldier Station), Yellowstone National Park .....	1,160	1913-
Yellowstone River at Corwin Springs (Horr), Mont. ....	2,630	1889-93; 1910-
Yellowstone River near Livingston, Mont. ....	3,580	1897-1905; 1928-32; 1938-
Yellowstone River at Billings, Mont. ....	11,180	1904-5; 1928-; (1905-16*)d/.
Yellowstone River at Huntley, Mont. ....	12,000	1907-16.
Yellowstone River at Junction, Mont. ....	13,500	1906-7.
Yellowstone River at Forsyth, Mont. ....	40,200	1921-23.
Yellowstone River at Miles City, Mont. ....	-	1922-23; 1928-
Yellowstone River at Glendive, Mont. ....	65,900	1897-1902*; 1903-10; 1931-34; (1909-28*)d/.
Yellowstone River at Intake, Mont. ....	66,800	1911-31; (1910-31**)c/.
Yellowstone River near Sidney, Mont. ....	69,450	1934-
Tower Creek at Tower Falls,		
Yellowstone National Park .....	51	1922-43.
Lamar River near Tower Falls ranger station,		
Yellowstone National Park .....	640	1922-
Blacktail Deer Creek near Mammoth,		
Yellowstone National Park .....	14.8	1937-45.
East Fork Blacktail Deer Creek near		
Mammoth, Yellowstone National Park .....	10.3	1937-41.
Bear Creek at Jardine, Mont. ....	-	1946-49.
Gardiner River at Mammoth (Hotel),		
Yellowstone National Park .....	198	1922-38.
Gardiner River near Mammoth,		
Yellowstone National Park .....	200	1938-
Lupine Creek near Mammoth,		
Yellowstone National Park .....	4.6	1937-41.
Shields River near Wilsall, Mont. ....	-	1935-
Shields River at Clyde Park, Mont. ....	544	1921-23; 1929-32; 1934-
Brackett Creek (River) 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.
Big Timber Creek near Big Timber, Mont. ....	72	1912-24.
South Fork Big Timber Creek near Big Timber, Mont. ....	10	1907-11.
Boulder River near Contact, Mont. ....	236	1910-16; 1929.
Boulder River near McLeod, Mont. ....	-	1912-14.
Boulder River at Big Timber, Mont. ....	-	1947-
East Fork Boulder River near McLeod, Mont. ....	-	1907-9.
West Fork Boulder River near Bruffeys, Mont. ....	94	1904-8; 1909*; 1910.
West Fork Boulder River at McLeod, Mont. ....	137	1907-14.
Sweetgrass Creek above Melville, Mont. ....	59.6	1907-24; 1937-
Sweetgrass Creek below Melville, Mont. ....	137	1907-24; 1937-42; 1946-
Sweetgrass Creek near Greycliff, Mont. ....	-	1941-42.
Stillwater River near Nye, Mont. ....	187	1912-13*; 1924-27; 1929-32.
Stillwater River near (at) Absarokee, Mont. ....	-	1910-14; 1935-
Woodbine Creek near Nye, Mont. ....	-	1912-13*; 1924-27.
East Rosebud Creek near Roscoe, Mont. ....	98	1920-21.
East Rosebud Creek at Roscoe, Mont. ....	115	1921-24.
Rosebud Creek near (at) Absarokee, Mont. ....	-	1910-14; 1935-
Mystic Lake on West Rosebud Creek, Mont. ....	-	1939-**
Clarks Fork above Squaw Creek near Painter, Wyo. ....	144	1945-
Clarks Fork below Crandall Creek, near Painter, Wyo. ....	401	1929-32; 1949-
Clarks Fork near Clark, Wyo. ....	929	1919-24.
Clarks Fork at Chance, Mont. ....	-	1921-
Clarks Fork at Fromberg, Mont. ....	-	1905-13.
Clarks Fork at Edgar, Mont. ....	-	1921-
Sunlight Creek near Painter, Wyo. ....	139	1929-32; 1945-
Glacier Lake on Rock Creek, Mont. ....	-	1939-47**.

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

d/ In reports of United States Weather Bureau.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Yellowstone River tributaries--Continued.		
Clarks Fork tributaries--Continued.		
Rock Creek near Red Lodge, Mont. ....	-	1932; 1934-
Rock Creek at Joliet, Mont. ....	-	1945-
Rock Creek at Rockvale, Mont. ....	-	1920-22; 1932-40.
West Fork Rock Creek below Basin Creek, near Red Lodge, Mont. ....	-	1937-
West Fork Rock Creek near Red Lodge, Mont. ....	-	1932; 1934-44.
Red Lodge Creek above Cooney Reservoir, near Boyd, Mont. ....	-	1937-
Cooney Reservoir ....	-	1939- **
Red Lodge Creek below Cooney Reservoir, near Boyd, Mont. ....	-	1937-
Red Lodge Creek near Boyd, Mont. ....	-	1932; 1934-36.
Willow Creek near Boyd, Mont. ....	-	1937-
Pryor Creek above Pryor, Mont. ....	-	1921-24.
Pryor Creek at Pryor, Mont. ....	-	1921-24.
Pryor Creek near Billings (at Coburn), Mont. ....	-	1911-24; 1938-
Pryor Creek at Huntley, Mont. ....	800	1904-16.
Lost Creek near Pryor, Mont. ....	-	1921-24.
Wind River (head of Bighorn River) near Dubois, Wyo. ...	233	1945-
Wind River at Dubois, Wyo. ....	486	1910-12.
Wind River near Burris, Wyo. ....	1,220	1945-
Wind River near Crowheart, Wyo. ....	1,920	1945-
Wind River at (near) Riverton (near Arapahoe Agency), Wyo. ....	2,320	1906-8; 1911-27; 1928-
Bighorn River at Thermopolis, Wyo. ....	8,080	1900-5; 1910-12; 1913-14**; 1915- ; (1911-18)k/.
Bighorn River near Manderson, Wyo. ....	-	1949-
Bighorn River at Manderson, Wyo. ....	11,900	1941-49.
Bighorn River at Kane, Wyo. ....	15,900	1928-
Bighorn River near St. Xavier, Mont. ....	-	1934-
Bighorn River near Hardin (near Fort Custer), Mont. ....	20,700	1904-25; 1928-33.
Bighorn River near Custer, Mont. ....	-	1945-
Warm Spring Creek near Dubois, Wyo. ....	-	1911-12*.
Horse Creek at Dubois, Wyo. ....	133	1910-12**.
Red Creek near Dubois, Wyo. ....	-	1909*.
North Fork Wind River near Dubois, Wyo. ....	-	1950-
Dinwoody Creek near Burris (Crowheart, Lenore), Wyo. ....	114	1909**; 1918-30; 1950-
Dry Creek near Burris (Crowheart, Lenore), Wyo. ....	57	1909*; 1921-40.
Meadow Creek near Lenore (J. K. ranch post office), Wyo. ....	55	1909*; 1921-23.
Willow Creek near Crowheart (J. K. ranch post office, Lenore), Wyo. ....	50	1909**; 1921-23; 1925-40.
Bull Lake Creek above Bull Lake Reservoir, Wyo. ....	178	1941-
Bull Lake Reservoir on Bull Lake Creek, Wyo. ....	-	1938- **
Bull Lake Creek near Lenore, Wyo. ....	222	1918-
Wyoming Canal near Lenore, Wyo. ....	-	1949- ; (1942-45)k/.
Pilot Canal (diversion from Wyoming Canal) near Morton, Wyo. ....	-	1949- ; (1943-45)k/.
Wyoming Canal 2d Division, near Morton, Wyo. (below Pilot diversion) ....	-	1949- ; (1943-45)k/.
Pilot Wasteway near Morton, Wyo. ....	-	1949-
Hurtado ditch near Lenore, Wyo. ....	-	(1942-43)k/.
Aragon ditch near Lenore, Wyo. ....	-	(1942-44)k/.
Johnstown Canal near Riverton, Wyo. ....	-	(1942-45)k/.
Le Clair-Riverton Canal No. 2 near Riverton, Wyo. ...	-	(1942-45)k/.
Le Clair-Riverton Canal No. 2 at Delfelder flume, near Riverton, Wyo. ....	-	(1943-45)k/.
Left Hand Canal near Riverton, Wyo. ....	-	(1942-45)k/.
Wyoming Canal No. 2 near Riverton, Wyo. ....	-	(1942-45)k/.
Middle Popo Agie River (Popo Agie River) near Lander, Wyo. ....	84	1911-12; 1918-24.
Popo Agie (Little Wind) River below Arapahoe, Wyo. ....	1,530	1906-9; 1911-12; 1913-14**; 1915-18; (1911-18)k/.

k/ In reports of the State engineer of Wyoming.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## MISSOURI RIVER TRIBUTARIES

11

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Yellowstone River tributaries--Continued.		
Bighorn River tributaries--Continued.		
Popo Agie River near Riverton, Wyo. ....	2,010	1941-
North Popo Agie River near Milford, Wyo. ....	k/99	1945-
North (North Fork) Popo Agie River near Lander, Wyo. ....	140	1938-
Little Popo Agie River near Lander (at Dallas), Wyo. ....	108	1946- ; (1914)k/.
Little Popo Agie River at Hudson, Wyo. ....	331	1907-9; 1911-12; 1914**; 1915-17; 1938- ; (1911-17)k/.
(South Fork) Little Wind River near Fort Washakie, Wyo. ....	118	1921-40.
Little Wind River at Fort Washakie, Wyo. ....	-	1908-9.
Little Wind River above Arapahoe, Wyo. ....	716	1906-9; 1911-12; 1913-14**; 1915-18; (1911-18)k/.
Little Wind River near Arapahoe, Wyo. ....	-	1950-
North Fork Little Wind River at, Fort Washakie, Wyo. ....	127	1921-40.
Trout Creek at Wind River, Wyo. ....	-	1909.
Beaver Creek near Lander, Wyo. ....	118	1938-40; (1941**)k/.
Beaver Creek near Arapahoe, Wyo. ....	-	1950-
Muskrat Creek near Shoshoni, Wyo. ....	-	1950-
Fivemile Creek near Pavillion, Wyo. ....	-	1948-
Fivemile Creek near Riverton, Wyo. ....	-	1949-
Fivemile Creek near Shoshoni, Wyo. ....	-	1941-42; 1948-
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-
Ocean drain near Pavillion, Wyo. ....	-	1948-50.
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.
Lost Wells Butte drain near Riverton, Wyo. ....	-	1949-50.
Coleman drain near Shoshoni, Wyo. ....	-	1948-50.
Sand Gulch near Shoshoni, Wyo. ....	-	1948-50.
Eagle drain near Shoshoni, Wyo. ....	-	1948-50.
Lateral P-34.9 wasteway near Shoshoni, Wyo. ....	-	1949-50.
Lateral P-36.8 wasteway near Shoshoni, Wyo. ....	-	1949-50.
Poison Creek near Shoshoni, Wyo. ....	-	1949-
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. ....	794	1947-
Muddy Creek near Pavillion, Wyo. ....	257	1949-
Muddy Creek near Shoshoni, Wyo. ....	-	1949-
Dry Cottonwood Creek near Bonneville, Wyo. ....	-	1949-
Baker ditch (pump) near Thermopolis, Wyo. ....	-	(1944)k/.
Plummer and Nickelson ditch (pump) near Thermopolis, Wyo. ....	-	(1943-44)k/.
Joe Riedl ditch (pump) near Thermopolis, Wyo. ....	-	(1942-44)k/.
Leo Roncco ditch (pump) near Thermopolis, Wyo. ....	-	(1942-44)k/.
Curtis ditch (pump) near Thermopolis, Wyo. ....	-	(1942)k/.
C. R. Ingle ditch (pump) near Thermopolis, Wyo. ....	-	(1942-44)k/.
Juknovich ditch (pump) near Thermopolis, Wyo. ....	-	(1944)k/.
Kirby ditch near Thermopolis, Wyo. ....	-	(1942-44)k/.
George Wortham ditch (pump) near Thermopolis, Wyo. .	-	(1942)k/.
Gwynn (Thornton) ditch (pump) near Thermopolis, Wyo. .	-	(1943)k/.
Cyclone ditch near Thermopolis, Wyo. ....	-	(1942-44)k/.
Owl Creek ditch (pump) near Thermopolis, Wyo. ....	-	(1942-45)k/.
South Fork Owl Creek near Anchor, Wyo. ....	86	1939-43.
South Fork Owl Creek above (at) Curtis ranch near Thermopolis, Wyo. ....	139	1931-32; 1938-
South Fork Owl Creek near Thermopolis (Owl Creek near Embar), Wyo. ....	191	1921-22; 1929-32.
Owl Creek near Thermopolis, Wyo. ....	484	1910-12; 1915-17; 1931-32; 1938- ; (1910-17)k/.

k/ In reports of the State engineer of Wyoming.

\*\* Only monthly figures of discharge or contents.

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Yellowstone River tributaries--Continued.		
Bighorn River tributaries--Continued.		
Owl Creek near Lucerne, Wyo. ....	505	1932-33; 1938-
North Fork Owl Creek near Anchor, Wyo. ....	58.2	1941-
North Fork Owl Creek at Crann ranch (North Fork Owl Creek) near Thermopolis, Wyo. ....	97	1930-32; 1938-39.
Mud Creek near Thermopolis, Wyo. ....	118	1938-39.
Kirby Creek near Lucerne, Wyo. ....	240	1941-45.
Jacob Noll ditch (pump) near Kirby, Wyo. ....	-	(1942-44)k/.
Nakamura ditch (pump) near Kirby, Wyo. ....	-	(1942-44)k/.
Paul Jones ditch (pump) near Kirby, Wyo. ....	-	(1942)k/.
Nelson ditch (pump) near Kirby, Wyo. ....	-	(1942-44)k/.
Anderson ditch (pump) near Kirby, Wyo. ....	-	(1942-44)k/.
Upper Hanover Canal near Winchester, Wyo. ....	-	(1942-45)k/.
Cottonwood Creek at Winchester, Wyo. ....	432	1944-45; (1941-45)k/.
Bluff Canal near Winchester, Wyo. ....	-	(1942-45)k/.
Gooseberry Creek near Grass Creek, Wyo. ....	155	1945-
Gooseberry Creek near Dickie, Wyo. ....	303	1938-40; (1938-41**)k/.
Gooseberry Creek at Pulliam, Wyo. ....	371	1941-43; 1946- ; (1941-44**)k/.
Bighorn Canal at State bridge (Bighorn Canal) near Worland, Wyo. ....	-	(1942-45)k/.
Bighorn Canal near Manderson, Wyo. ....	-	(1944)k/.
Lower Hanover Canal near Worland, Wyo. ....	-	(1942-45)k/.
Nowater Creek near Worland, Wyo. ....	-	(1941-44**)k/.
Fifteenmile Creek near Worland, Wyo. ....	-	(1941-44**)k/.
Slick Creek near Worland, Wyo. ....	-	(1941**)k/.
Fritz ditch (pump) near Manderson, Wyo. ....	-	(1943-44)k/.
Fivemile Creek near Manderson, Wyo. ....	-	(1941-44**)k/.
Nowood Creek near Tensleep, Wyo. ....	805	1938-43; 1950-
Nowood Creek at Bonanza, Wyo. ....	1,790	1910-12; 1913-14**; 1915-28; (1910-28)k/.
Tensleep Creek near Tensleep, Wyo. ....	228	1910-12; 1915-24; 1943-
Canyon Creek near Tensleep, Wyo. ....	66.3	1939-44.
Paintrock Creek below Lake Solitude, Wyo. ....	-	1946-
Paintrock Creek at Longview ranger station, near Hyattville, Wyo. ....	81	1911-12*.
Paintrock Creek near Hyattville, Wyo. ....	164	1920-27; 1941-
Paintrock Creek near Bonanza, Wyo. ....	398	1910-12; 1912-13**; 1915-22; (1911-13)k/.
Medicine Lodge Creek near Hyattville, Wyo. ....	86	1943-
Greybull River near Pitchfork, Wyo. ....	309	1946-
Greybull River near Meeteetse, Wyo. ....	680	1910-12; 1915-16.
Greybull River at Meeteetse, Wyo. ....	690	1897; 1903*; 1920-
Greybull River near Basin, Wyo. ....	1,130	1930-
Wood River at Sunshine, Wyo. ....	200	1945-
Wood River near Meeteetse, Wyo. ....	218	1910-12; 1915-16; 1917*; 1930-49.
Bench Canal near Burlington, Wyo. ....	-	1930-38.
Shell Creek near Shell, Wyo. ....	148	1941-
Shell Creek at Shell, Wyo. ....	256	1913-14**; 1915-23; (1911-23)k/.
North Fork Shoshone River near Wapiti, Wyo. ....	800	1921-26.
Buffalo Bill (Shoshone) Reservoir on Shoshone River, Wyo. ....	-	1938-41; 1941- **
Shoshone River below Buffalo Bill Reservoir (Shoshone Reservoir), Wyo. ....	1,520	1921-
Shoshone River at Cody, Wyo. ....	-	1902-9.
Shoshone River at Corbett Dam, Wyo. ....	-	1908-25.
Shoshone River at Willwood Dam, Wyo. ....	1,820	1925-26.
Shoshone River at Byron, Wyo. ....	2,300	1929-
Shoshone River at Lovell, Wyo. ....	-	1897-98; 1899*.
South Fork Shoshone River (Shoshone River) near Ishawooa, Wyo. ....	532	1915-24.
South Fork Shoshone River (Shoshone River) above Shoshone Reservoir (at Marquette), Wyo. ...	-	1903; 1905-8; 1921-26.
Garland Canal (Corbett Tunnel) at Corbett Dam, Wyo. ....	-	1909-20; 1922-24; 1925-26.
Bitter Creek near Garland, Wyo. ....	-	1950-
Bighorn Canal below wasteway near St. Xavier, Mont. ....	-	1947-
Soap Creek near St. Xavier, Mont. ....	111	1911-24; 1939-

k/ In reports of the State engineer of Wyoming.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

# MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Yellowstone River tributaries-- Continued.		
Bighorn River tributaries--Continued.		
Rotten Grass Creek near St. Xavier, Mont. ....	-	1911-22.
Little Bighorn River at State line, near Wyola, Mont. ....	199	1939-
Little Bighorn River near Wyola, Mont. ....	260	1911*; 1912-24.
Little Bighorn River below Pass Creek, near Wyola, Mont. ....	429	1939-
Little Bighorn River near Crow Agency, Mont. ....	1,190	1905-6; 1912-24; 1928-32; 1938-
Pass Creek near Wyola, Mont. ....	119	1935-
Owl Creek near Lodgegrass, Mont. ....	161	1939-45.
Lodgegrass Creek above Willow Creek diversion, near Wyola, Mont. ....	83	1939-
Lodgegrass Creek near Wyola, Mont. ....	-	1921-24.
Lodgegrass Creek near Lodgegrass, Mont. ....	-	1911*; 1912-15; 1921-24.
Lodgegrass Creek at Lodgegrass, Mont. ....	-	1916-20.
Rosebud Creek near Rosebud, Mont. ....	-	1938-43.
Rosebud Creek near Forsyth, Mont. ....	-	1947-
North Fork Tongue River near Dayton, Wyo. ....	32.4	1945-
Tongue River near Dayton, Wyo. ....	204	1911-12*; 1918-29; 1940-
Tongue River at Dayton, Wyo. ....	-	1903*; (1909**)k/.
Tongue River at Carneyville, Wyo. ....	495	1911-12; 1915-17; (1911-13)k/.
Tongue River near Acme, Wyo. ....	894	1938-
Tongue River near Decker, Mont. ....	1,610	1928-38.
Tongue River Reservoir, Mont. ....	-	1939- **
Tongue River at Tongue River Dam, near Decker, Mont. ....	-	1939-
Tongue River near Miles City, Mont. ....	-	1929-32.
Tongue River at (near) Miles City, Mont. ....	-	1938-42; 1946-
South Fork Tongue River near Dayton, Wyo. ....	85.0	1945-
Highline ditch near Dayton, Wyo. ....	-	1941- **
Wolf Creek at Wolf, Wyo. ....	37.8	1945-
Goose Creek near Sheridan, Wyo. ....	120	1929-
Goose Creek at Sheridan, Wyo. ....	182	1911-12; 1915-16; (1909-10**; 1911-13)k/.
Goose Creek below Little Goose Creek at Sheridan, Wyo. ....	341	1895*; 1896-97.
Goose Creek below Sheridan, Wyo. ....	392	1942-
Little Goose Creek in Canyon, near Big Horn, Wyo. ..	51	1941-
Little Goose Creek near Big Horn, Wyo. ....	71	1919-21; (1919-21**)k/.
Little Goose Creek at Sheridan, Wyo. ....	159	1896-97; 1911-12; (1909-12**)k/.
South Fork Powder River, near Kaycee, Wyo. ....	1,150	1911; 1938-40; 1950-
Powder River at Sussex, Wyo. ....	3,090	1938-40; 1950-
Powder River at (near) Arvada, Wyo. ....	6,050	1915-
Powder River at Moorhead, Mont. ....	-	1929-
Powder River near Mizpah, Mont. ....	-	1928-33.
Powder River near Locate, Mont. ....	-	1938-
Middle Fork Powder River above Kaycee, Wyo. ....	1,450	1949-
Middle Fork Powder River at Kaycee, Wyo. ....	647	1911-12; 1929-32.
Middle Fork Powder River near Kaycee, Wyo. ....	980	1933-34; 1938-
Red Fork near Barnum, Wyo. ....	142	1929-32; 1950-
North Fork Powder River near Hazelton, Wyo. ....	27	1947-
North Fork Powder River near Mayoworth, Wyo. ....	69	1940-
North Fork Powder River near Kaycee, Wyo. ....	244	1911; 1929-32.
North Fork Crazy Woman Creek near Buffalo, Wyo. ....	51.7	1944-
North Fork Crazy Woman Creek near Greub, Wyo. ....	174	1950-
Crazy Woman Creek near Buffalo, Wyo. ....	464	1929-32.
Crazy Woman Creek near Arvada, Wyo. ....	956	1939-43; 1950-
Middle Fork Crazy Woman Creek near Greub, Wyo. ....	82.7	1944-
Clear Creek at Camp Comfort, near Buffalo, Wyo. ....	110	1911-12*.
Clear Creek near Buffalo, Wyo. ....	120	1894; 1896-1900; 1917-27; 1938-
Clear Creek at Buffalo, Wyo. ....	130	1902*; 1903-4; 1911-12.
Clear Creek near Arvada, Wyo. ....	1,110	1915-19; 1928-29; 1939-
North Fork Clear Creek near Buffalo, Wyo. ....	29	1949-
Rock Creek near Buffalo, Wyo. ....	60	1944-
South Fork Rock Creek near Buffalo, Wyo. ....	43.8	1950-
South Piney Creek at Willow Park, Wyo. ....	28.9	1945-

k/ In reports of the State engineer of Wyoming.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.



	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Yellowstone River tributaries--Continued.		
Powder River tributaries--Continued.		
Clear Creek tributaries--Continued.		
Piney Creek at Kearney, Wyo. ....	106	1902**; 1903-6; 1911-12; 1913-14**; 1915-17; 1919-23; 1940- ; (1910**; 1911-13) <u>k</u> /.
Piney Creek at Ucross, Wyo. ....	267	1917-19; 1920-23; 1950-
North Piney Creek Basin		
Cruez ditch near Story, Wyo. ....	-	1903*.
Prairie Dog ditch near Story, Wyo. ....	-	1903*.
Little Powder River at Biddle, Mont. ....	-	1938-43.
Little Powder River near Broadus, Mont. ....	-	1947-
Upper Sevenmile Creek near Glendive, Mont. ....	-	1921-22.
Deer Creek near Glendive, Mont. ....	-	1921-22.
Lower Yellowstone Canal at Lower Yellowstone Dam, at Intake, Mont. ....	-	1911.
Little Muddy Creek (River) near Williston, N. Dak. ....	1,100	1904-9; 1932-33; 1945- ; (1903-9**) <u>c</u> /.
Little Missouri River at Alzada, Mont. ....	600	1904-5; 1906*; (1904-5**) <u>l</u> /.
Little Missouri River near Alzada, Mont. ....	780	1911-25; 1928-32; 1935- ; (1911-25**; 1928-30**) <u>l</u> /.
Little Missouri River at Camp Crook, S. Dak. ....	1,900	1903*; 1904-6; (1904-6**) <u>l</u> /.
Little Missouri River at Marmarth, N. Dak. ....	<u>m</u> /4,724	1938-
Little Missouri River at Medora, N. Dak. ....	6,190	1903-8; 1921-24; 1928-34; 1945- (1909-16*) <u>d</u> /; (1903-8**; 1921- 26**; 1928-31**) <u>c</u> /.
Little Missouri River near Watford City, N. Dak. ....	8,490	1934-
Little Beaver Creek near Marmarth, N. Dak. ....	<u>m</u> /633	1938-
Beaver Creek at Wibaux, Mont. ....	351	1938-
Knife River near Golden Valley (at Broncho, near Broncho), N. Dak. ....	1,230	1903-19; 1921-24; 1943- ; (1903-19**; 1921-24**) <u>c</u> /; (1921-25**; 1927**) <u>m</u> /.
Knife River at Hazen, N. Dak. ....	2,352	1928-33; 1937-; (1928-31**) <u>c</u> /.
Spring Creek at Zap, N. Dak. ....	547	1924; 1945- ; (1924-27**) <u>c</u> /.
Mandan Lake Creek near Hensler, N. Dak. ....	<u>c</u> /26	(1909**) <u>c</u> /.
Painted Woods Creek near Washburn, N. Dak. ....	390	1909-10*; (1909-10**) <u>c</u> /.
Turtle Creek near Washburn, N. Dak. ....	440	1909-10*; (1909-10**) <u>c</u> /.
Missouri Coulee near Sanger, N. Dak. ....	<u>c</u> /18	(1909**) <u>c</u> /.
Heart River near South Heart, N. Dak. ....	315	1946-
Heart River at Lehigh, N. Dak. ....	453	1943-
Heart River near Richardton, N. Dak. ....	1,310	1903-22; 1943- ; (1903-24**) <u>c</u> /.
Heart Butte Reservoir near Glen Ullin, N. Dak. ....	1,760	1950- **
Heart River below Heart Butte Dam near Glen Ullin (Elgin), N. Dak. ....	1,760	1943-
Heart River near Lark, N. Dak. ....	2,810	1946-
Heart River near Mandan (at Sunny), N. Dak. ....	3,362	1924; 1928-33; 1937- ; (1924-31**) <u>c</u> /.
Green River near Gladstone, N. Dak. ....	356	1945-
Antelope Creek near Carson, N. Dak. ....	221	1948-
Muddy Creek near Almont, N. Dak. ....	456	1945-
Apple Creek near Menoken (Bismarck), N. Dak. ....	1,520	1905; 1945-
Cannonball River at Regent, N. Dak. ....	-	1950-
Cannonball River near New Leipzig, N. Dak. ....	1,180	1943-
Cannonball River near Timmer (Stevenson), N. Dak. ....	3,650	1903-8; 1911-18; 1921-22; 1923-24 1928-34; (1903-8**; 1911-18**; 1921-31**) <u>c</u> /.
Cannonball River at Breien, N. Dak. ....	4,066	1934-
Cedar Creek near Pretty Rock, N. Dak. ....	1,260	1943-
Cedar Creek near Raleigh, N. Dak. ....	1,720	1939.
Beaver Creek at Linton, N. Dak. ....	832	1949-
North Fork (Branch ) Grand River at Haley, N. Dak. ....	500	1908-10; 1912-17; 1945- ; (1908-20**) <u>n</u> /.
North Fork Grand River near White Butte, S. Dak. ....	-	1945-
Grand River at Shadehill (Seim), S. Dak. ....	3,120	1904*; 1905-6; 1943- ; (1904-6**) <u>n</u> /.
Grand River near Wakpala, S. Dak. ....	5,510	1912-14; 1915**; 1916-17; 1918*; 1928- ; (1912-17**; 1928-31**) <u>c</u> /.

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

d/ In reports of United States Weather Bureau.

k/ In reports of the State engineer of Wyoming.

l/ 73d Cong., 1st sess., H. Doc. 64, Little Missouri River.

m/ In reports of the State engineer of North Dakota.

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

\* Gage heights only.

# MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Grand River tributaries--Continued.		
South Fork Grand River near Cash, S. Dak. ....		1945-
Moreau (Owl) River at Bixby, S. Dak. ....	1,600	1904-6; (1904-6**)n/; 1948-
Moreau River near Faith, S. Dak. ....	2,660	1943-
Moreau River near Eagle Butte, S. Dak. ....	4,320	1943-
Moreau River at Promise, S. Dak. ....	5,223	1928-; (1928-31**)c/.
Cheyenne River near Spencer, Wyo. ....	5,270	1949-
Cheyenne River at Edgemont, S. Dak. ....	7,143	1903-6; 1928-33; 1946-; (1903-6**; 1927-29**)o/.
Cheyenne River near Hot Springs (Cascade Springs), S. Dak. ....	8,710	1914-20; 1943-
Cheyenne River below Angostura Dam (Hot Springs), S. Dak. ....	-	1945-
Cheyenne River near Wasta, S. Dak. ....	12,800	1914-15; 1928-32; 1934-; (1914-15**)o/.
Cheyenne River near Eagle Butte (Carlin, Elwood), S. Dak. ....	24,500	1928-; (1928-31**)c/.
Cheyenne River at Rousseau, S. Dak. ....	-	(1905-7*)d/.
Lance Creek at Spencer, Wyo. ....	2,070	1948-
Beaver Creek near Newcastle, Wyo. ....	1,320	1943-
Beaver Creek near Burdock (Edgemont), S. Dak. ....	1,480	1905-6; 1929-32; (1904-6**; 1928-29**)o/w
Hat Creek near Edgemont, S. Dak. ....	-	1905-6; (1904-6**)o/.
<u>Monroe Creek Basin</u>		
Jordan (Cornelius) Canal diversion from Monroe Creek, Nebr. ....	-	(1947)q/.
Kite Canal diversion from Monroe Creek, Nebr. ....	-	(1947)q/.
Fall River at Hot Springs, S. Dak. ....	137	1937-
Beaver Creek near Buffalo Gap, S. Dak. ....	130	1937-
French Creek near Custer, S. Dak. ....	-	1945-47.
French Creek near Fairburn, S. Dak. ....	-	1945-47.
Battle Creek near Keystone, S. Dak. ....	-	1945-47.
Battle Creek near Hermosa, S. Dak. ....	-	1945-47.
Battle Creek at Hermosa, S. Dak. ....	-	1903*; 1949-
Squaw Creek near Custer, S. Dak. ....	-	1945-47.
Squaw Creek near Hermosa, S. Dak. ....	-	1945-47.
Spring Creek near Hill City, S. Dak. ....	142	1937-40.
Spring Creek near Keystone, S. Dak. ....	-	1945-47.
Spring Creek near Rapid City (Rapid), S. Dak. ....	205	1903-5; 1945-47; (1903-5**)o/.
Spring Creek near Hermosa, S. Dak. ....	-	1949-
Rapid Creek near Pactola, S. Dak. ....	315	1929-32; 1946-; (1928-29**)o/.
Rapid Creek at Big Bend, S. Dak. ....	332	1915-17; 1932-42; (1913-42**)p/.
Rapid Creek above Canyon Lake, near Rapid City, S. Dak. ..	384	1946-
Rapid Creek at Rapid City (Rapid), S. Dak. ....	410	1903-6; 1942-; (1903-6**)o/.
Rapid Creek below Hawthorn ditch, at Rapid City, S. Dak. ....	426	1946-
Rapid Creek below Little Giant ditch, near Rapid City, S. Dak. ....	-	1946-
Rapid Creek at Caputa, S. Dak. ....	-	1946-
Rapid Creek near Farmingdale, S. Dak. ....	-	1946-
Rapid Creek at Creston, S. Dak. ....	710	1929-32.
Castle Creek above Deerfield Reservoir near Deerfield, S. Dak. ....	83	1948-
Deerfield Reservoir near Deerfield, S. Dak. ....	95	1948-
Castle Creek below Deerfield Dam, S. Dak. ....	96	1946-
Leedy ditch at Rapid City, S. Dak. ....	-	1946- **
Bennett ditch at Rapid City, S. Dak. ....	-	1946- **
Iowa ditch at Rapid City, S. Dak. ....	-	1946- **
Lockhart ditch at Rapid City, S. Dak. ....	-	1946- **
Hawthorn ditch at Rapid City, S. Dak. ....	-	1946- **
Murphy ditch near Rapid City, S. Dak. ....	-	1946- **
Cyclone ditch near Rapid City, S. Dak. ....	-	1946- **
South Side ditch near Rapid City, S. Dak. ....	-	1946- **
Little Giant ditch near Rapid City, S. Dak. ....	-	1946- **
Lone Tree ditch near Rapid City, S. Dak. ....	-	1946- **
St. Germain ditch at Caputa, S. Dak. ....	-	1946- **
Hammerquist ditch near Farmingdale, S. Dak. ....	-	1946- **
Corbin- Morse ditch at Rapid, S. Dak. ....	-	1906*.

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

d/ In reports of United States Weather Bureau.

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

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

p/ In Special Report No. 8, Soil Conservation Service, U. S. Department of Agriculture.

q/ In reports of the Nebraska Department of Roads and Irrigation.

\* Gage heights only.

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Cheyenne River tributaries--Continued.		
Boxelder Creek near Nemo, S. Dak. ....	-	1945-47.
Boxelder Creek at Blackhawk, S. Dak. ....	157	1903-5; 1945-47; (1903-5**)o/.
Elk Creek near Roubaix, S. Dak. ....	-	1945-47.
Elk Creek above Piedmont, S. Dak. ....	-	1945-47.
Elk Creek near Piedmont, S. Dak. ....	100	1903*.
Elk Creek near Elm Springs, S. Dak. ....	-	1949-
Belle Fourche River near Moorcroft, Wyo. ....	1,380	1923-32; (1923-29**)o/.
Belle Fourche River below Moorcroft, Wyo. ....	1,750	1943-
Belle Fourche River at Hulett, Wyo. ....	2,800	1929-32; 1938-
Belle Fourche River at Wyoming-South Dakota State line .....	-	1946-
Belle Fourche River at Belle Fourche, S. Dak. ....	3,250	1903-6; (1903-6**)o/.
Belle Fourche River near Belle Fourche, S. Dak. ....	4,310	1906; 1912-40; (1905-6**; 1911-29**)o/.
Belle Fourche River near Fruitdale, S. Dak. ....	-	1945-
Belle Fourche River near Sturgis (Bear Butte), S. Dak. ...	-	1945-
Belle Fourche River near Elm Springs, S. Dak. ....	7,210	1928-32; 1934- ; (1928-29**)o/.
Redwater Creek near Beulah, Wyo. ....	459	1929-31; 1936-37.
Redwater Creek (River) at Minnesela, S. Dak. ....	-	1903.
Redwater Creek above Belle Fourche, S. Dak. ....	-	1945-
Redwater Creek (River) at Belle Fourche, S. Dak. ....	1,048	1903-6.
Spearfish Creek at Spearfish, S. Dak. ....	140	1946-
Spearfish Creek near Spearfish, S. Dak. ....	-	1903-6; (1903-6**)o/.
Redwater Canal at Minnesela, S. Dak. ....	-	1904-6.
Inlet Canal near Belle Fourche, S. Dak. ....	-	1945-
Indian Creek near Belle Fourche, S. Dak. ....	-	1904*.
Bear Butte Creek near Sturgis (Bear Butte), S. Dak. ...	-	1945-
Cherry Creek near Plainview, S. Dak. ....	-	1945-
Bad River near Midland, S. Dak. ....	-	1946-
Bad River near Fort Pierre, S. Dak. ....	3,107	1928-32; 1934-
North Fork Bad River at Philip, S. Dak. ....	164	1939-44.
Medicine Creek near Blunt, S. Dak. ....	-	1950-
White River at Crawford, Nebr. (upper station) .....	-	1897.
White River at Crawford, Nebr. (lower station) .....	313	1931-43; 1947- ; (1924-27)g/.
White River above Whitney pipe line, near Crawford, Nebr. ....	-	(1922-23; 1926-29)g/.
White River below Whitney pipe line, near Crawford (below Crawford), Nebr. ....	350	1931; (1924; 1927-28)g/.
White River near Whitney, Nebr. ....	-	(1925)g/.
White River below Cottonwood Creek near Whitney, Nebr. ....	-	1948-
White River near Chadron, Nebr. ....	750	1931-43; (1924-29; 1931-43)g/; (1924-38**)g/.
White River near Oglala, S. Dak. ....	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. ....	5,000	1942-
White River at (near) Westover, S. Dak. ....	7,850	1912-18.
White River near Oacoma, S. Dak. ....	10,200	1928-
Hall Canal diversion from White River, Nebr. ....	-	(1931; 1935)g/.
White River Canal diversion from White River and White Clay Creek, Nebr. ....	-	(1925)g/.
Harris-Cooper Canal diversion from White River, Nebr. ....	-	(1932; 1935; 1939)g/.
White Clay Creek near Crawford, Nebr. ....	-	(1922; 1924-27)g/.
McFarland Canal diversion from White Clay Creek, Nebr. ....	-	(1931; 1935)g/.
Whitney pipeline diversion from White River, Nebr. ....	-	(1925-26; 1928-29; 1932)g/.
Whitney Reservoir (offstream White River), Nebr. ....	-	(1925-29; 1933-42; 1943-)g/.
Little Cottonwood Creek near Whitney, Nebr. ....	-	(1925-27)g/.
Ash Creek near Whitney, Nebr. ....	-	(1937)g/.
Chadron Creek above City Reservoir, near Chadron, Nebr..	-	(1922-29)g/.
Chadron Creek below City Reservoir, near Chadron, Nebr..	-	(1922-29)g/.
Chadron Creek near Chadron, Nebr. ....	-	(1922-29)g/.
Chadron Creek above mouth, near Chadron, Nebr. ....	-	(1922-29)g/.
South Fork White River near Martin, S. Dak. ....	-	1938-40.
South Fork White River near Rosebud, S. Dak. ....	1,020	1943-

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

g/ In reports of the Nebraska Department of Roads and Irrigation.

r/ In Water Resources of Nebraska, Nebraska State Planning Board.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## MISSOURI RIVER TRIBUTARIES

17

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
White River tributaries--Continued.		
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. ....	-	1949-
South Fork (Little White) White River	1,590	1912*; 1913-15; 1916*;
near Westover, S. Dak. ....		1916-18.
Lake Creek above refuge, near		
Tuthill, S. Dak. ....	-	1938-40.
Lake Creek below refuge, near		
Tuthill, S. Dak. ....	-	1938-40.
Elm Creek near Tuthill, S. Dak. ....	-	1938-39; 1940**.
Ponca Creek at Anoka, Nebr. ....	-	1949-
Niobrara River near Marsland, Nebr. ....	-	(1924-29)g/.
Niobrara River above Box Butte Reservoir, (near		
Marsland), Nebr. ....	-	1946- ; (1945- )g/.
Box Butte Reservoir	-	1945- ;** (1945- **)g/
Niobrara River below Box Butte Reservoir,		
(near Dunlap, Nebr.) ....	-	1946- ; (1941-42; 1944- )g/.
Niobrara River at Dunlap, Nebr. ....	1,550	1931-42; (1924-29)g/;
		(1923-38**)s/.
Niobrara River near Hays Springs, Nebr. ....	-	1950-
Niobrara River near Colclessner, Nebr. ....	-	1947-48. (1946-48)g/
Niobrara River near Gordon, Nebr. ....	2,590	1928-32; 1945-
Niobrara River near Cody, Nebr. ....	-	1947-
Niobrara River near (at) Valentine		
(at Fort Niobrara), Nebr. ....	6,160	1897*; 1899*; 1901-6; 1928-32.
		(1901-6**)s/.
Niobrara River near Sparks, Nebr. ....	6,410	1945-
Niobrara River near Meadville, Nebr. ....	-	1950-
Niobrara River near Spencer (Lynch), Nebr. ....	10,400	1908*; 1913-14; 1915*;
		1927-36; 1940-
Niobrara River near Verdel, Nebr. ....	11,300	1938-40; (1928)g/; (1928-29**)s/.
Niobrara River at Niobrara, Nebr. ....	-	1902*; 1910-13*; (1911-12)g/.
Mirage Flats Canal diversion from		
Niobrara River ....	-	(1948- )g/
Cottonwood Creek at Dunlap, Nebr. ....	-	(1925; 1927)g/.
Bear Creek near Eli, Nebr. ....	-	1948-
Antelope Creek near Gordon, Nebr. ....	-	1948.
Snake Creek near Burge, Nebr. ....	-	1947-
Gordon Creek near Simeon, Nebr. ....	-	1948.
Minnechaduza Creek at Valentine, Nebr. ....	-	1947-
Plum Creek near Meadville, Nebr. ....	-	1947-
Long Pine Creek near Riverview, Nebr. ....	-	1947-
Keyapaha River near Hidden Timber, S. Dak. ....	320	1947-
Keyapaha River at Wewela, S. Dak. ....	1,070	1937-40; 1947-
Verdigre River at Verdigre, Nebr. ....	-	1949-
Bazille Creek near Niobrara, Nebr. ....	465	1932.
James River at New Rockford, N. Dak. ....	760	1950-
James River at Jamestown, N. Dak. ....	2,740	1928-33; 1937-38; 1943- ;
		(1928-34**)m/.
James River near Lamoure, N. Dak. ....	-	1903*; (1902-11*)d/; 1950-
James River at Columbia, S. Dak. ....	7,050	1945-
James River near Stratford, S. Dak. ....	9,990	1950-
James River at Ashton, S. Dak. ....	11,000	1945-
James River near Redfield, S. Dak. ....	14,800	1950-
James River at Huron, S. Dak. ....	16,800	1928-32; 1943- ; (1902-23*)d/.
James River near Forestburg, S. Dak. ....	18,600	1950-
James River near Scotland, S. Dak. ....	21,550	1928-
Pipestem Creek near Buchanan, N. Dak. ....	925	1950-
Elm River at Westport, S. Dak. ....	1,680	1945-
West Branch Snake Creek near Athol, S. Dak. ....	-	1950-
Turtle Creek at Redfield, S. Dak. ....	-	1945-
Sand Creek near Alpena, S. Dak. ....	-	1950-
Vermillion River near Wakonda, S. Dak. ....	-	1945-
Big Sioux River near Watertown, S. Dak. ....	-	1901-2*; 1903; (1901-3**)t/.
Big Sioux River at Watertown, S. Dak. ....	-	1945-
Big Sioux River near Flandreau, S. Dak. ....	2,520	1928-32.

d/ In reports of United States Weather Bureau.

m/ In reports of the State engineer of North Dakota.

g/ In reports of the Nebraska Department of Roads and Irrigation.

t/ In Water Resources of Nebraska, Nebraska State Planning Board.

s/ 73d Cong., 1st sess., H. Doc. 90, Niobrara River.

t/ 72d Cong., 1st sess., H. Doc. 189, Big and Little Sioux Rivers.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Big Sioux River near Dell Rapids, S. Dak. ....	-	1948-
Big Sioux River at (near) Sioux Falls, S. Dak. ....	6,200	1900-1; 1943-
Big Sioux River at Akron, Iowa .....	8,851	1928-; (1928-31**) c/.
Skunk Creek near Sioux Falls, S. Dak. ....	-	1948-
Split Rock Lake at Ihlen, Minn. ....	-	1938-48*.
Rock River at Luverne, Minn. ....	440	1911-14.
Rock River near Rock Valley, Iowa .....	1,630	1948-
Dry Creek at Hawarden, Iowa .....	48	1948-
Perry Creek at 38th St., Sioux City, Iowa .....	60	1945-
Floyd River at Merrill, Iowa .....	-	(1907-28*) d/.
Floyd River at James, Iowa .....	918	1934-
Omaha Creek at Homer, Nebr. ....	170	1946-
Little Sioux River near Lakefield, Minn. ....	17.1	1947-
Little Sioux River at Spencer, Iowa .....	1,030	1936-42.
Little Sioux River at Correctionville, Iowa .....	2,450	1918-25; 1928-32; 1936-
Little Sioux River near Kennebec, Iowa .....	2,730	1939-
Little Sioux River near Turin (Blencoe), Iowa .....	u/4,460	1939-
Spirit Lake at Orleans, Iowa .....	-	1933- *
Jackson County ditch No. 11 near Lakefield, Minn. ....	7.69	1947-
Okoboji Lake at Lakeside Laboratory (Arnolds Park), near Milford, Iowa .....	-	1933- *
Ocheda Lake near Worthington, Minn. ....	-	1941-47*.
Maple River at Mapleton, Iowa .....	661	1941-
Maple River at Turin, Iowa .....	725	1939-41.
West Fork ditch at Holly Springs, Iowa .....	395	1939-
Monona Harrison ditch near Turin (Blencoe), Iowa .....	u/4,460	1939-
Tekama Creek at Tekama, Nebr. ....	-	1949-
Soldier River at Pisgah, Iowa .....	417	1940-
New York Creek near Herman, Nebr. ....	29.7	1946-
Boyer River at Logan, Iowa .....	810	1918-25; 1937-; (1918-25**) c/.
Grizzly Creek (head of Platte River) near Walden (Hebron), Colo. ....	252	1904-5; 1923; 1926-30; 1933-47; (1922-23**; 1926-30**) w/; (1926-47) v/.
North Platte River near Walden (Hebron), Colo. ....	463	1904-5; 1923-30; 1933-47; (1923-47) v/; (1923-30**) w/.
North Platte River near Cowdrey, Colo. ....	-	1904-5.
North Platte River near Northgate (Pinkhampton), Colo. ....	1,440	1904; 1915-; (1904-6**; 1910-30**) w/.
North Platte River at Saratoga, Wyo. ....	2,880	1903-6; 1909; 1910-; (1903-38**) r/.
North Platte River above Seminole Reservoir near Sinclair (Parco), Wyo. ....	4,320	1939-
Seminole Reservoir .....	-	1939-40; 1940- **; (1939-) g/.
North Platte River at Seminole Dam .....	-	1950-
North Platte River above Pathfinder Reservoir, Wyo. ....	7,410	1913-25; 1929-39; (1903-38**) r/; (1909-38) g/.
Pathfinder Reservoir .....	-	1938-40; 1940- ** (1909-13**; 1914-) g/.
North Platte River below Pathfinder Reservoir, Wyo. ....	10,700	1904-40; 1950-; (1904-30**) w/.
Alcova Reservoir .....	-	1938- **; (1938-) g/.
North Platte River at Alcova, Wyo. ....	10,800	1904-5; 1935-
North Platte River near Goose Egg, Wyo. ....	-	1950-
North Platte River near Casper, Wyo. ....	-	1917-19; 1924.
North Platte River below (at) Casper, Wyo. ....	12,600	1929-
North Platte River at Parkerton, Wyo. ....	-	1919-24.
North Platte River near (at) Douglas, Wyo. ....	14,300	1891-93**; 1894; 1919-23; 1929-39; 1946-
North Platte River at Orin (near Orin Junction), Wyo. ....	14,800	1895-98; 1899**; 1924.
North Platte River at McKinley, Wyo. ....	-	1917-18.
North Platte River near Cassa, Wyo. ....	15,700	1946-
Guernsey Reservoir .....	-	1938-**; (1928-) g/.
North Platte River below Guernsey Reservoir (at Guernsey, above Whalen), Wyo. ....	16,200	1900-; (1900-1908**) w/.
North Platte River at recorder station below Whalen (near Fort Laramie, below Whalen), Wyo. ....	16,300	1887-1890**; 1909-; (1908-38**) r/.

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

d/ In reports of United States Weather Bureau.

g/ In reports of the Nebraska Department of Roads and Irrigation.

r/ In Water Resources of Nebraska, Nebraska State Planning Board.

u/ Combined drainage area of Little Sioux River and Monona-Harrison ditch.

v/ In reports of the State engineer of Colorado.

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

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

# MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries - Continued.		
North Platte River at Vaughn, Wyo. ....	-	1924.
North Platte River at Torrington, Wyo. ....	21,700	1930-39; (1919**; 1926-30**)w/; (1928-39)g/.
North Platte River at Wyoming-Nebraska State line .....	22,100	1929- ; (1927-38**)r/.
North Platte River at Henry, Nebr. ....	22,100	1912-16; (1912-19)g/.
North Platte River at Morrill, Nebr. ....	-	(1917; 1919-23)g/.
North Platte River at Mitchell, Nebr. ....	24,300	1901-11; 1912-13*; 1930- ; (1916-18; 1920- )g/; (1901-11**; 1920-30**)w/.
North Platte River at Scottsbluff (near Gering), Nebr. ....	-	1897-1900; 1912; (1917-18)g/.
North Platte River near Minatare (at Melbeta), Nebr. ....	24,700	1930- ; (1916-19; 1922- )g/; (1917-19**; 1922-30**)w/.
North Platte River at Bridgeport (near Camp Clark), Nebr. ....	25,300	1896-1900; 1902-6; 1915; 1930- (1915- )g/; (1914-38**)r/; (1902-6**)w/.
North Platte River at Broadwater, Nebr. ....	-	(1917-23)g/.
North Platte River at Lisco, Nebr. ....	26,900	1931- ; (1916-17)g/.
North Platte River at Oshkosh, Nebr. ....	27,500	1930- ; (1916-17; 1928- )g/.
North Platte River at Lewellen, Nebr. ....	29,400	1931; 1940-.
North Platte River at Belmar, Nebr. ....	-	(1917-25)g/; (1917-25**)w/.
North Platte River at Lemoyne, Nebr. ....	-	(1926-27)g/; (1925-27**)w/.
North Platte River at Martin, Nebr. ....	30,000	1933-38.
McConaughy Lake on North Platte River, near Keystone, Nebr. ....	-	1941-**; (1941- )g/.
North Platte River near Keystone, Nebr. ....	-	1940- ; (1917; 1939- )g/.
North Platte River near Sutherland, Nebr. ....	31,300	1931; 1936- ; (1917; 1931-33; 1935-)g/.
North Platte River at North Platte, Nebr. ....	32,000	1895-1909; 1910*; 1911-15; 1930- ; (1895-1909; 1911- )g/; (1895-1930**)w/.
Platte River at Brady, Nebr. ....	56,900	1939- ; (1937- )g/.
Platte River at Gothenburg, Nebr. ....	-	(1916-17; 1931)g/.
Platte River near Cozad, Nebr. ....	57,200	1940- ; (1932; 1936- )g/.
Platte River near Lexington, Nebr. ....	58,000	1902-6; (1917-24)g/; (1902-6**; 1917-24**)w/.
Platte River near Overton (Elm Creek), Nebr. ....	58,400	1914*; 1915; 1930- ; (1915-23; 1925- )g/; (1914-38**)r/.
Platte River near Odessa, Nebr. ....	58,800	1938- ; (1937- )g/.
Platte River near Grand Island, Nebr. ....	59,500	1933-.
Platte River at Central City, Nebr. ....	-	(1922-23; 1925-27)g/; (1924-27*)d/.
Platte River near Duncan (Columbus), Nebr. ....	61,600	1895-1909; 1910-11*; 1912- 15; 1928- ; (1911-15)g/; (1895-1909**; 1912-15**; 1928-30**)w/.
Platte River at North Bend, Nebr. ....	-	1949-.
Platte River near Fremont (Leshara), Nebr. ....	-	1911-15.
Platte River near Ashland, Nebr. ....	83,800	1928-.
Platte River near South Bend, Nebr. ....	-	1903*.
Little Grizzly Creek near Hebron, Colo. ....	96	1904-5; 1933-45; (1931-45)v/.
Roaring Fork near Walden (Hebron), Colo. ....	84	1904-5; 1923-30; 1933-47; (1923-47)v/; (1904-5**; 1923-30**)v/.
North Fork North Platte River at Higho, Colo. ....	-	1904-5.
North Fork North Platte River near Walden, Colo. ....	168	1923-28; 1937-45; (1923-28**)w/.
Michigan River near Lindland, Colo. ....	62	1933-41; (1931-41)v/.
Michigan River at Haworth School, near Lindland, Colo. ....	114	1937-39.
Michigan River at (near) Walden, Colo. ....	185	1904-5; 1923-30; 1933-47; (1923-47)v/; (1904-5**; 1923-30**)w/; (1918**)x/.
Michigan River near Cowdrey, Colo. ....	480	1904-5; 1937-47.
Michigan ditch from Michigan River to Cache la Poudre River, Colo. ....	-	1948- **
Cameron Pass ditch from tributaries of Michigan River to Cache la Poudre River, Colo. ....	-	1948- **

- d/ In reports of United States Weather Bureau.  
g/ In reports of the Nebraska Department of Roads and Irrigation.  
r/ In Water Resources of Nebraska, Nebraska State Planning Board.  
v/ In reports of the State engineer of Colorado.  
w/ 73d Cong., 2d sess., H. Doc. 197, Platte River.  
x/ In Water Resources of Colorado, Colorado Water Conservation Board.  
\* Gage heights only.  
\*\* Only monthly figures of discharge or contents.

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
Michigan River tributaries--Continued.		
Owl Creek near Lindland, Colo. ....	-	1937.
Illinois Creek near Rand, Colo. ....	71	1933-40; (1931-40) <u>y</u> /.
Illinois Creek at Walden, Colo. ....	259	1923-30; 1933-47; (1917-18**) <u>x</u> /; (1923-47) <u>y</u> /; (1923-30**) <u>w</u> /.
Willow Creek near Rand, Colo. ....	71	1933-40; (1931-40) <u>y</u> /.
Canadian River at Cowdrey, Colo. ....	174	1904-5; 1929-31; 1937-47; (1929-30**) <u>w</u> /.
Douglas Creek near Keystone, Wyo. ....	28	1912; 1914-16.
Douglas Creek near Fox Park, Wyo. ....	121	1946-
Mullen Creek near French, Wyo. ....	-	1911*.
Big Creek near Big Creek (Downington), Wyo. ....	123	1911-12*; 1913-14**; 1915-24; (1909**; 1913-24) <u>k</u> /; (1912-24**) <u>w</u> /.
French Creek near French, Wyo. ....	60	1911-12; 1913-14**; 1915-24; (1909-11**; 1911-18) <u>k</u> /; (1911-24**) <u>w</u> /.
Brush Creek near Saratoga, Wyo. (upper station) ....	77.5	1941-45.
Brush Creek near Saratoga, Wyo. (lower station) ....	98	1911-12; 1913-14**; 1915; (1909-11**; 1911-15) <u>k</u> /.
Beaver Creek at Anderson's ranch, near French, Wyo. ....	-	(1909-10**) <u>k</u> /.
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; (1909-11**; 1911-18) <u>k</u> /; (1911-24**; 1928-30**) <u>w</u> /.
Encampment River at mouth, near Encampment, Wyo. ....	260	1940-
Cow Creek near Saratoga, Wyo. ....	60	1911-12; (1909-10**) <u>k</u> /.
Spring Creek near Saratoga, Wyo. ....	152	1911-12.
North Spring Creek near Saratoga, Wyo. ....	26	1913-15.
Jack Creek at Matheson Ranch, near Saratoga, Wyo. ....	32	1913-17; 1919-24; (1913-17**; 1918-24**) <u>w</u> /.
Jack Creek at Blydenburg's ranch, near Saratoga, Wyo. ....	-	1912-14**; (1913-14) <u>k</u> /.
Jack Creek at Burdick's ranch, near Saratoga, Wyo. ....	-	1911-12; (1909-10**) <u>k</u> /.
Pass Creek near Saratoga, Wyo. ....	119	1929-32.
Pass Creek near Walcott, Wyo. ....	278	1911; (1909-10**) <u>k</u> /.
Medicine Bow River near Elk Mountain, Wyo. ....	65.6	1946-47.
Medicine Bow River near Medicine Bow, Wyo. ....	178	1911-12; 1913-14**; 1915-17; 1919-24; (1911-17) <u>k</u> /; (1911-17**; 1919-24**) <u>w</u> /.
Medicine Bow River at Medicine Bow, Wyo. ....	900	1901.
Medicine Bow River above Seminole Reservoir, near Hanna, Wyo. ....	2,310	1939-
Rock Creek at (near) Arlington, Wyo. ....	70	1911-18; 1939- ; (1909-10**) <u>k</u> /.
Rock Creek near Rock River, Wyo. ....	184	1911-12; 1928-33; (1909-10**) <u>k</u> /.
Rock Creek below Rock River, Wyo. ....	216	1940-42.
Deep Creek near Arlington, Wyo. ....	3.7	1914-18.
<u>Little Medicine Bow River Basin</u>		
Muddy Creek near Shirley, Wyo. ....	67	1915-17.
Sage Creek above Pathfinder Reservoir, Wyo. ....	182	1915-25; (1915-25**) <u>w</u> /.
Deweese Creek near Alcova, Wyo. ....	41	1917-24; (1916-24**) <u>w</u> /.
Sand Creek near (above) Alcova, Wyo. ....	70	1915-24; (1915-24**) <u>w</u> /.
Sweetwater River near Atlantic City, Wyo. ....	411	1946-
Sweetwater River near Splitrock, Wyo. ....	2,180	1902-3.
Sweetwater River near Alcova, Wyo. ....	2,270	1913-24; 1938- ; (1913-24**) <u>w</u> /.
Horse Creek near Alcova, Wyo. ....	119	1915-24; (1915-24**) <u>w</u> /.
Canyon Creek near Alcova, Wyo. ....	54	1915-24; (1915-24**) <u>w</u> /.
Bates Creek near Freeland, Wyo. ....	129	1940; 1945-
Bates Creek near Alcova (Casper), Wyo. ....	377	1916-24; 1935- ; (1916-24**) <u>w</u> /.
Casper Creek at Casper, Wyo. ....	662	1946-
Deer Creek in canyon near Glenrock, Wyo. ....	120	1946-
Deer Creek at Glenrock, Wyo. ....	216	1916-24; 1928-33; 1935- (1916-17**; 1918-24**; 1927-30**) <u>w</u> /.

k/ In reports of the State engineer of Wyoming.

y/ In reports of the State engineer of Colorado.

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

x/ In Water Resources of Colorado, Colorado Water Conservation Board.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.



## MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
Running Dutchman Canal near Careyhurst, Wyo. ....	-	1935-
Boxelder Creek at Boxelder, Wyo. ....	63.2	1946-
Boxelder Creek near Careyhurst, Wyo. ....	202	1911; 1916-24; 1928-33; 1935- ; (1915-24**; 1928-30**)w/.
Douglas (Morton) Canal near Orpha, Wyo. ....	-	1935-
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**; 1927-30**)w/.
Wagonhound Creek near La Bonte, Wyo. ....	125	1916-24; 1929-32; 1937- ; (1916-24**)w/.
La Bonte Creek near La Bonte, Wyo. ....	302	1916-24; 1928-33; 1935- (1916-24**; 1928-30**)w/.
West Fork La Bonte Creek near La Bonte, Wyo. ....	23.8	1946-
Horseshoe Creek near Esterbrook, Wyo. ....	45	1946-
Horseshoe Creek near Glendo, Wyo. ....	203	1916-19; 1921-24; 1928-33; 1935- ; (1909-10**)k/; (1915-19**; 1920-24**; 1927-30**)w/.
Cottonwood Creek near Fletcher Park, Wyo. ....	48.1	1946-
Cottonwood Creek at (near) Wendover, Wyo. ....	159	1916-24; 1929-33; 1935-42; 1946- ; (1909-10**)k/; (1915-24**)w/.
Fort Laramie Canal at Whalen, Wyo. ....	-	(1918-28; 1932-)q/.
Lingle Power waste near Lingle, Wyo. ....	-	(1925-27; 1930-31)q/.
Horse Creek Lateral of Fort Laramie Canal at Wyoming-Nebraska State line ....	-	(1936-38**)k/.
Interstate Canal at Whalen, Wyo. ....	-	1910-16; (1909-28; 1930-31; 1932-)q/.
Lateral No. 1 of Interstate Canal at Wyoming-Nebraska State line ....	-	(1936-38**)k/.
Laramie River one half mile below Laramie Poudre Tunnel, Colo. ....	-	(1911-12)v/.
Laramie River near Glendevy, Colo. ....	101	1904-5; 1910-30; 1933- ; (1910-)v/; (1910-30**)w/.
Laramie River near Jelm, Wyo. ....	297	1904**; 1905; 1911- ; (1910-30**)w/.
Laramie River at (near) Woods Landing, Wyo. ....	375	1890-92; 1895*; 1896-1900; 1911; (1911-18**)w/.
Laramie River and Pioneer Canal near Woods, Wyo. ....	418	1912; 1912-14**; 1914-24; 1927; 1932- ; (1912-18)k/; (1912- 24**)w/.
Laramie River at Laramie, Wyo. ....	-	1933-
Laramie River at Two Rivers, Wyo. ....	1,290	1911-12; 1913**; 1913-27; 1933- ; (1908-27**)w/; (1911-18)k/.
Laramie River near Lookout, Wyo. ....	2,100	1912-14**; 1915-17; 1932- ; (1914-17)k/; (1912-17**; 1921-27**)w/.
Laramie River below (at) McGill, Wyo. ....	2,230	1912-14**; 1915-17; (1914-17)k/.
Laramie River near Wheatland, Wyo. ....	2,480	1912; 1913-14**; 1915-16; 1929-33; (1912-16)k/.
Laramie River at Uva, Wyo. ....	3,179	1895-99; 1903.
Laramie River near (at) Fort Laramie, Wyo. ....	4,600	1915- ; (1914-30**)w/.
Laramie River at Siphon, Wyo. ....	-	(1925-29**)w/.
Laramie-Poudre Tunnel from Laramie River to Cache la Poudre River, Colo. ....	-	1948- **
Skyline ditch from tributaries of Laramie River to Chambers Lake, Colo. ....	-	1948- **
Rawah Creek near mouth, Colo. ....	-	(1912-14)v/.
Bob Creek ditch from Nunn Creek to Roaring Creek, Colo. ....	-	1949- **
Wilson Supply ditch from Deadman Creek and Sand Creek to Sheep Creek, Colo. ....	-	1948- **
Columbine ditch from tributaries of Deadman Creek to North Fork Cache la Poudre River, Colo. ....	-	1949- **

k/ In reports of the State engineer, of Wyoming.

q/ In reports of the Nebraska Department of Roads and Irrigation.

v/ In reports of the State engineer of Colorado.

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

\* Gage heights only.

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
Laramie River tributaries--Continued.		
Stub Creek at mouth near Glendevey, Colo. ....	-	(1912-13) <u>v</u> /.
McIntyre Creek near Glendevey (Gleneyre), Colo. ....	-	(1913) <u>v</u> /.
McIntyre Creek at Gleneyre, Colo. ....	-	1904-5; (1913) <u>v</u> /
La Garde Creek at mouth, Colo. ....	-	(1912-13) <u>v</u> /.
Grace Creek at mouth, Colo. ....	-	(1912-13) <u>v</u> /.
Stuck Creek at mouth, Colo. ....	-	(1912-13) <u>v</u> /.
Johnson Creek at mouth, Wyo. ....	-	(1912-13) <u>v</u> /.
Pioneer Canal near Woods, Wyo. ....	-	1912; 1913-14**; 1915-24; 1927; 1932-
Soldier Creek at State Fish Hatchery, Wyo. ....	-	(1914) <u>k</u> /.
Little Laramie River near Filmore (Hatton), Wyo. ....	155	1902-3; 1911-12; 1913-14**; 1915-26; 1933-; (1911-18) <u>k</u> /; (1911-26**) <u>w</u> /.
Little Laramie River at Two Rivers (near Laramie), Wyo. ....	310	1903*; 1911-27; 1933-; (1909-27**) <u>w</u> /.
Sybill Creek above Bluegrass Creek, near Wheatland, Wyo. ....	265	1941-
Sybill Creek below Bluegrass Creek, near Wheatland, Wyo. ....	369	1950-
Sybill Creek near Mule Shoe Ranch, near Wheatland, Wyo. ....	542	1950-
Sybill Creek near Wheatland, Wyo. ....	568	1912**; 1914**; 1915-16; (1915-16) <u>k</u> /; (1912-16**) <u>w</u> /.
North Laramie River (upper station) near (at) Wheatland, Wyo. ....	366	1914-23; 1939-; (1914-23**) <u>w</u> /.
North Laramie River near Wheatland, Wyo. ....	370	1912; 1913-14**; (1913-14) <u>k</u> /.
North Laramie River at Uva, Wyo. ....	-	1911-12*.
Chugwater Creek at Chugwater, Wyo. ....	359	1911-12; 1913-14**; 1915-21; 1938-40; (1911-18) <u>k</u> /.
Gering- Fort Laramie Canal diversion from Laramie River, Wyo. ....	-	1939- **
Rawhide Creek near (east of) Lingle, Wyo. ....	510	1928-; (1923-25) <u>q</u> /.
Cherry Creek drain near Torrington, Wyo. ....	-	1935-; (1926-29) <u>q</u> /.
Arnold drain near Torrington, Wyo. ....	-	1939-42; (1924-29) <u>q</u> /.
Pullen drain near Torrington, Wyo. ....	-	(1927; 1929) <u>q</u> /.
French Canal near Henry, Nebr. ....	-	(1929; 1946-) <u>q</u> /.
Katzer drain near Henry, Nebr. ....	-	1928-; (1926-29) <u>q</u> /.
Mitchell Canal at Wyoming-Nebraska State line ....	-	1938-41; (1916-19; 1921-31; 1932-) <u>q</u> /; (1928-41**) <u>k</u> /.
Spring Creek near Henry, Nebr. ....	-	(1931-42) <u>q</u> /.
Gering Canal near Henry, Nebr. ....	-	(1916-) <u>q</u> /.
Gering Canal at Badlands, Nebr. ....	-	(1920-21; 1929-30) <u>q</u> /.
Tri-State Canal near Henry, Nebr. ....	-	(1916; 1919; 1921-) <u>q</u> /.
Tri-State Canal diversion from Sheep Creek, Nebr. ....	-	(1915; 1919; 1921-42) <u>q</u> /.
Tri-State Canal diversion from Akers Draw, Nebr. ....	-	(1929-42) <u>q</u> /.
Tri-State Canal diversion from Dry Spotted Tail Creek, Nebr. ....	-	(1914-15; 1931-37; 1938**; 1939-42) <u>q</u> /.
Tri-State Canal diversion from Wet Spotted Tail Creek, Nebr. ....	-	(1915; 1919; 1921; 1923-42) <u>q</u> /.
Tri-State Canal waste into Mitchell Spillway, Nebr. ....	-	(1929; 1936-38; 1941) <u>q</u> /.
Tri-State Canal diversion from Tub Springs, Nebr. ....	-	(1915; 1922-26; 1928; 1931-42) <u>q</u> /.
Tri-State Canal diversion from Alliance drain, Nebr. ....	-	(1931-41) <u>q</u> /.
Tri-State Canal diversion from Moffat drain, Nebr. ....	-	(1931; 1933-42) <u>q</u> /.
Northport Irrigation District near Bayard, Nebr. (Tri-State Canal is the carrier for Northport Irriga- tion District) ....	-	(1920; 1922-) <u>q</u> /.
Ramshorn Canal near Henry, Nebr. ....	-	(1919-) <u>q</u> /.
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**; 1912-14) <u>k</u> /; (1915-20**) <u>w</u> /.
Horse Creek near Yoder, Wyo. ....	1,320	1928-33; 1938-41; (1938-44**) <u>k</u> /.
Horse Creek near Lyman, Nebr. ....	1,860	1931-; (1921-) <u>q</u> /; (1920-38**) <u>r</u> /.

k/ In reports of the State engineer of Wyoming.

q/ In reports of the Nebraska Department of Roads and Irrigation.

r/ In Water Resources of Nebraska, Nebraska State Planning Board.

v/ In reports of the State engineer of Colorado.

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

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## MISSOURI RIVER TRIBUTARIES

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	<u>Drainage Area</u> <u>(square miles)</u>	<u>Period of Record</u>
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
Horse Creek tributaries--Continued.		
Hawk Springs at La Grange, Wyo. ....	-	(1914)k/.
State Line and Gilmore Canal diversion from Horse Creek, Nebr. ....	-	(1920)g/.
Lane drain near Lyman, Nebr. ....	-	(1928-41)g/.
Sheep Creek near Morrill, Nebr. ....	-	1931- ; (1919- )g/.
Enterprise Canal near Morrill, Nebr. ....	-	(1916; 1919- )g/.
Enterprise Canal diversion from Stewart drain and Morrill drain, Nebr. ....	-	(1920-23; 1929- )g/.
Enterprise Canal diversion from Dry Spotted Tail Creek, Nebr. ....	-	(1920-23; 1925; 1927; 1931-32; 1934; 1938)g/.
Enterprise Canal diversion from Wet Spotted Tail Creek, Nebr. ....	-	(1925- )g/.
Enterprise Canal diversion from Tub Springs, Nebr. ....	-	(1920-27; 1929- )g/.
Enterprise Canal tailwaste near Scottsbluff, Nebr. ....	-	(1925; 1930)g/.
Morrill drain near Morrill, Nebr. ....	-	(1922-29; 1930-31)g/.
Stewarts drain near Morrill, Nebr. ....	-	(1920-31)g/.
Toohey Spillway from Tri-State Canal, Nebr. ....	-	(1923; 1925-40)g/.
Toohey drain near Mitchell, Nebr. ....	-	(1921-22; 1924-34)g/.
Bald drain near Mitchell, Nebr. ....	-	(1930-42)g/.
Dry Spotted Tail Creek near Mitchell, Nebr. ....	-	1948- ; (1919- )g/.
Fanning Seep near Mitchell, Nebr. ....	-	(1920; 1924-42)g/.
Mitchell spillway from Tri-State Canal, Nebr. ....	-	(1920-38)g/.
Wet Spotted Tail Creek above Tri-State Canal, Nebr. ....	-	(1919; 1921-22; 1925)g/.
Wet Spotted Tail Creek below Tri-State Canal, Nebr. ....	-	(1920)g/.
Wet Spotted Tail Creek below Enterprise Canal, Nebr. ....	-	(1921-23)g/.
Wet Spotted Tail Creek and Kronberg Seep near Mitchell, Nebr. ....	-	(1919; 1924-42)g/.
Kronberg Seep near Mitchell, Nebr. ....	-	(1920-23)g/.
Tub Springs near Scottsbluff, Nebr. ....	-	1948- ; (1920- )g/.
Winter Creek Canal near Scottsbluff, Nebr. ....	-	(1916; 1918- )g/.
Winter Creek Canal diversion from Winter Creek, Nebr. ....	-	(1919- )g/.
Central Canal near Gering, Nebr. ....	-	(1919- )g/.
Scottsbluff drain near Scottsbluff, Nebr. ....	-	(1920-45)g/.
Winter Creek near Scottsbluff, Nebr. ....	-	1931- ; (1919- )g/.
Scottsbluff Factory Canal diversion from Winter Creek, Nebr. ....	-	(1932)g/.
Minatare Canal near Minatare, Nebr. ....	-	(1919- )g/.
Gering drain near Gering, Nebr. ....	-	1930-45; 1948- ; (1923-45)g/.
Steamboat Canal near Gering, Nebr. ....	-	(1925-28; 1931)g/.
Castle Rock Canal near Gering, Nebr. ....	-	(1916; 1918- )g/.
Castle Rock Canal waste No. 1, Nebr. ....	-	(1930; 1938-41)g/.
Scottsbluff drain-No. 2 near Scottsbluff, Nebr. ....	-	(1932-44)g/.
Nine Mile Canal near Minatare, Nebr. ....	-	(1919; 1921- )g/.
Nine Mile Canal diversion from Ninemile drain, Nebr. ....	-	(1934-35; 1940)g/.
Melbeta drain near Minatare, Nebr. ....	-	(1922- )g/.
Fairfield Seep near Minatare, Nebr. ....	-	(1920-42)g/.
Snell and Ninemile drains near Minatare, Nebr. ....	-	(1923-30)g/.
Ninemile drain near Minatare, Nebr. ....	-	(1919-23)g/.
Ninemile drain near McGrew (Minatare), Nebr. ....	-	1932- ; (1930- )g/.
Snell drain near Minatare, Nebr. ....	-	(1920-23)g/.
Short Line Canal near Minatare, Nebr. ....	-	(1916; 1920- )g/.
Chimney Rock Canal near McGrew, Nebr. ....	-	(1917- )g/.
Cleveland drain near Bayard, Nebr. ....	-	(1930- )g/.
Alliance Canal near Bayard, Nebr. ....	-	(1919; 1921-23)g/.
Alliance Canal diversion from Bayard Sugar Factory drain, Nebr. ....	-	(1924-26; 1928- )g/.
Alliance Canal diversion from Red Willow Creek, Nebr. ....	-	(1918-26 ; 1928- )g/.
Hoth Seep near Bayard, Nebr. ....	-	(1919)g/.
Bayard drain No. 3 at C. B. & Q. Depot at Bayard, Nebr. ....	-	(1919)g/.

k/ In reports of the State engineer of Wyoming.

g/ In reports of the Nebraska Department of Roads and Irrigation.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
Bayard Sugar Factory drain above		
Alliance Canal, near Bayard, Nebr. ....	-	(1919-31)q/.
Bayard Sugar Factory drain near Bayard, Nebr. ....	-	1931-
Belmont Canal near Yockey, Nebr. ....	-	(1916- )q/.
Empire Canal near Yockey, Nebr. ....	-	(1916; 1918-19; 1921-26; 1929; 1931-45; 1948- )q/
Belmont Canal diversion from	-	(1919; 1922-23; 1926-27; 1929-43; 1946; 1948- )q/
Cedar Creek, Nebr. ....	-	1930-31; (1919-31)q/.
Red Willow Creek near Bridgeport, Nebr. ....	83	1932- ; (1931- )q/.
Red Willow Creek near Bayard, Nebr. ....	-	(1920-31)q/.
Wild Horse drain near Yockey, Nebr. ....	-	(1919; 1922; 1931-34)q/.
Schermerhorn Canal near Northport, Nebr. ....	-	(1930-42)q/.
DeGraw drain near Bridgeport, Nebr. ....	-	(1920-38)q/.
Camp Clark Seep near Yockey, Nebr. ....	-	(1922- )q/.
Indian Creek at (near) Northport, Nebr. ....	-	(1930- )q/.
Upper Dugout Creek at Northport, Nebr. ....	-	(1916- )q/.
Brown's Creek Canal near Bridgeport, Nebr. ....	-	(1923; 1925-28)q/.
Pumpkin (Pumpkinseed) Creek near Harrisburg, Nebr. ....	-	
Pumpkin (Pumpkinseed) Creek above		
Greenwood Creek near Bridgeport, Nebr. ....	-	(1925-29)q/.
Pumpkin (Pumpkinseed) Creek near Bridgeport, Nebr. ....	1,080	1930- ; (1922- )q/; (1921-38**)r/.
Logan Canal diversion from		
Pumpkin Creek, Nebr. ....	-	(1931-32; 1936)q/.
Mutual Canal diversion from		
Pumpkin Creek, Nebr. ....	-	(1932-42)q/.
<u>Lawrence Fork Basin</u>		
King Canal diversion from Lawrence		
Fork Pumpkin Creek, Nebr. ....	-	(1922-23)q/.
Bird Cage-Quinn Canal diversion		
from Pumpkin Creek, Nebr. ....	-	(1937-41)q/.
Round House Rock Canal diversion		
from Pumpkin Creek, Nebr. ....	-	(1936-41)q/.
Smith-Wheeler Canal diversion from		
Pumpkin Creek, Nebr. ....	-	(1936-41)q/.
Court House Rock Canal diversion		
from Pumpkin Creek, Nebr. ....	-	(1917-27; 1930- )q/.
Last Chance Canal diversion		
from Pumpkin Creek, Nebr. ....	-	(1921-22; 1931- )q/.
<u>Greenwood Creek Basin</u>		
Trinnier Canal diversion from		
Greenwood Creek, Nebr. ....	-	(1919-22)q/.
Meglemre Canal diversion from		
Greenwood Creek, Nebr. ....	-	(1919-22; 1925-26)q/.
Meredith-Ammer Canal diversion from		
Pumpkin Creek, Nebr. ....	-	(1931- )q/.
Silvernail drain near Bridgeport, Nebr. ....	-	(1925- )q/.
Plum Creek near Bridgeport, Nebr. ....	-	(1930-41)q/.
Beerline Canal near Broadwater, Nebr. ....	-	(1919; 1921-22; 1924- )q/.
Lower Dugout Creek near Broadwater, Nebr. ....	-	(1937-39)q/.
Cooper Canal diversion from		
Lower Dugout Creek, Nebr. ....	-	(1922; 1933)q/.
Lamore Canal near Broadwater, Nebr. ....	-	(1920-22; 1924; 1938; 1941)q/.
Cedar Creek near Broadwater, Nebr. ....	-	(1922- )q/.
Radcliffe Canal diversion from Cedar Creek, Nebr. ....	-	(1933)q/.
North River Canal near Lisco, Nebr. ....	-	(1922-37; 1941)q/.
Lisco Canal near Lisco, Nebr. ....	-	(1918-27; 1929- )q/.
Hannah Canal near Lisco, Nebr. ....	-	(1931-34)q/.
Coldwater Creek near Lisco, Nebr. ....	-	(1922-42)q/.
Coldwater Canal diversion from Coldwater Creek, Nebr. ....	-	(1925-28; 1934-36)q/.
Rush Creek Canal near Lisco, Nebr. ....	-	(1922; 1924-25; 1930-33; 1936-37; 1939; 1940-41)q/.
Rush Creek near Lisco, Nebr. ....	-	(1927)q/.
Spohn Canal near Oshkosh, Nebr. ....	-	(1919-22; 1924-37; 1941- )q/.
Lyons Canal near Oshkosh, Nebr. ....	-	(1920- )q/.
Oshkosh Canal near Oshkosh, Nebr. ....	-	(1920-41; 1943- )q/.
Midland-Overland Canal near Oshkosh, Nebr. ....	-	(1924- )q/.

q/ In reports of the Nebraska Department of Roads and Irrigation.  
r/ In Water Resources of Nebraska, Nebraska State Planning Board.  
\*\* Only monthly figures of discharge or contents.

## MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
Lost Creek near Oshkosh, Nebr. ....	-	(1930-41)g/.
Signal Bluff Canal near Oshkosh, Nebr. ....	-	(1919; 1925-28; 1930-41)g/.
Crescent (Beaver) Lake near Lisco, Nebr. ....	-	(1933-40*; 1948-**)g/.
Crescent Lake outflow into Blue Creek, Nebr. ....	-	(1931; 1934)g/.
Blue Creek near Lewellen, Nebr. ....	267	1930-; (1919-)g/.
Paisley Canal diversion from	-	(1917-19; 1921; 1923; 1925-27;
Blue Creek, Nebr. ....	-	1931-)g/.
Blue Creek Canal diversion from		
Blue Creek, Nebr. ....	-	(1918-19; 1921-28; 1931-)g/.
Hooper Canal diversion from	-	(1919; 1921-23; 1925-27;
Blue Creek, Nebr. ....	-	1931-)g/.
Union Canal diversion from		
Blue Creek, Nebr. ....	-	(1918-19; 1921-27; 1930-)g/.
Graf Canal diversion from	-	(1917-19; 1921-25; 1927;
Blue Creek, Nebr. ....	-	1930-)g/.
Lewellen drain near Lewellen, Nebr. ....	-	(1930-37)g/.
Alfalfa Canal near Lewellen, Nebr. ....	-	(1919; 1921-41)g/.
Clear Creek near Lewellen, Nebr. ....	-	(1922-42)g/.
Barber Canal diversion from Clear Creek, Nebr. ....	-	(1921-23; 1931-42)g/.
Clear Creek Canal diversion from		
Clear Creek, Nebr. ....	-	(1931-42)g/.
Scripter Canal diversion from Clear Creek, Nebr. ....	-	(1934; 1936-41)g/.
Harper Canal diversion from Clear Creek, Nebr. ....	-	(1938-41)g/.
Finch Canal diversion from Clear Creek, Nebr. ....	-	(1934; 1937-38)g/.
Otter Creek near Lemoyne, Nebr. ....	-	1931; 1932-37;
		(1920; 1922-42)g/.
Otter Creek Canal diversion		
from Otter Creek, Nebr. ....	-	(1921; 1925; 1931-41)g/.
Sand Creek near Belmar, Nebr. ....	-	(1922-42)g/.
Nissen Canal diversion from Sand Creek, Nebr. ....	-	(1932; 1937-39)g/.
Patrick Canal diversion from Sand Creek, Nebr. ....	-	(1932-33; 1936-41)g/.
Loneragan Creek near Lemoyne, Nebr. ....	-	(1924-42)g/.
Haney (Loneragan) Canal diversion from		
Loneragan Creek, Nebr. ....	-	(1923; 1931-41)g/.
Soehl Canal diversion from Loneragan Creek, Nebr. ....	-	(1935-41)g/.
Sutherland Reservoir Supply Canal		
near Keystone, Nebr. ....	-	(1935-)g/.
Sutherland Canal diversion from		
South Platte River, Nebr. ....	-	(1947-)g/.
Sutherland Reservoir (offstream		
North Platte River), Nebr. ....	-	(1935-)g/.
Sutherland Project power return, Nebr. ....	-	(1938-)g/.
White Tail Creek near Keystone, Nebr. ....	-	(1922-42)g/.
Keystone Canal diversion from		
White Tail Creek, Nebr. ....	-	(1922-25; 1931-37;
		1939-41)g/.
Holloway-Phelps Canal diversion from		
White Tail Creek, Nebr. ....	-	(1931-34)g/.
McCarthy Canal diversion from		
White Tail Creek, Nebr. ....	-	(1934-35; 1937-42; 1948-)g/.
Keith-Lincoln County Canal near Keystone, Nebr. ....	-	(1918-)g/.
Skunk Creek near Paxton, Nebr. ....	-	(1928-39)g/.
Gravel Creek near Paxton, Nebr. ....	-	(1926-38)g/.
Sheridan-Wilson Canal near Sarben, Nebr. ....	-	(1927; 1930-)g/.
Sheridan-Wilson Canal diversion from		
Sarben Slough, Nebr. ....	-	(1947-)g/.
Cedar Branch Creek near Paxton, Nebr. ....	-	(1928-38)g/.
Sarben Slough near Sarben, Nebr. ....	-	(1931-42)g/.
Willow Creek at Sarben, Nebr. ....	-	(1928-35)g/.
Keith-Lincoln County drain near Sarben, Nebr. ....	-	(1930-42)g/.
North Platte Canal near Sutherland, Nebr. ....	-	(1919-)g/.
North Platte Canal waste at Cooks Spillway, Nebr. ....	-	(1937-41; 1942**)g/.
North Platte Canal waste near Sutherland, Nebr. ....	-	(1935-38)g/.
North Platte Canal power waste		
near Sutherland, Nebr. ....	-	(1935-38)g/.
Paxton Hershey Canal near Sutherland, Nebr. ....	-	(1916; 1918-)g/.
Birdwood Creek near Sutherland, Nebr. ....	-	1913-15.
Birdwood Creek near Hershey, Nebr. ....	286	1931-; (1920; 1922-)g/;
		(1921-38**)g/.
Birdwood Canal diversion from		
Birdwood Creek, Nebr. ....		(1921-28; 1930-)g/.

g/ In reports of the Nebraska Department of Roads and Irrigation.

f/ In Water Resources of Nebraska, Nebraska State Planning Board.

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
Lincoln County drain No. 2 near Sutherland, Nebr. ....	-	(1930-42)g/.
Suburban Canal near Sutherland, Nebr. ....	-	(1919; 1921-)g/.
Cody-Dillon Canal near North Platte, Nebr. ....	-	(1919; 1921-28; 1930-)g/.
Scout Creek near North Platte, Nebr. ....	-	(1933-38)g/.
Lincoln County drain No. 1 (Lincoln County drain) at North Platte, Nebr. ....	-	1931-32; (1924-)g/.
South Fork South Platte River above Tumbling Creek, Colo. ....	x/ 17	(1917**)x/.
South Fork South Platte River at Main Road, Colo. ....	-	(1917**)x/.
South Fork South Platte (Little South Platte) River at Twin Bridges (near Fairplay), Colo. ....	x/ 87	1916; (1916-17**; 1933-38**)x/.
South Fork South Platte River at intake of Antero Reservoir, Colo. ....	x/120	(1916-17**)x/.
South Fork South Platte River below Antero Reservoir, Colo. ....	x/200	(1916**; 1933-38**)x/.
South Fork South Platte River above Fourmile Creek, Colo. ....	x/250	(1916**)x/.
South Platte River at Buckley's, Colo. ....	x/550	(1916**)x/.
South Platte River at Spinney, Colo. ....	x/770	(1916**)x/.
South Platte River above Elevenmile Canyon Reservoir, near Hartsel, Colo. ....	861	1939-; (1933-38**)x/.
South Platte River at Idlewild, Colo. ....	x/920	(1916**)x/.
Elevenmile Canyon Reservoir	-	1938- **
(South Fork) South Platte River near (at) Lake George, Colo. ....	929	1910*; 1911-15; 1929-; (1911-)v/; (1910-28**)w/.
South Platte River above Cheesman Lake (Lake Cheesman), Colo. ....	1,680	1933-43; (1924-43)v/; (1908-38**)x/.
Cheesman Lake (Lake Cheesman) Reservoir	-	1938- **
South Platte River below (at) Cheesman Lake (Lake Cheesman), Colo. ....	1,766	1899-1900; 1901**; 1933-; (1924-)v/; (1899-1938**)x/.
South Platte River above North Fork, at South Platte, Colo. ....	2,160	1905-12; (1905-38**)x/; (1905-12**)w/.
South Platte River at South Platte (near Deansbury, Platte Canyon), Colo. ....	2,550	1887-90; 1891-92**; 1895-97; 1899-1900; 1902-; (1887-92)v/; (1887-92**; 1898-1930**)w/.
South Platte River at Waterton, Colo. ....	2,620	1933-; (1926-)v/; (1925-30**)w/.
South Platte River at Littleton, Colo. ....	3,090	1941-
South Platte River at Denver, Colo. ....	3,840	1889-90; 1895-1906; 1909-13; 1933-; (1895-1908**; 1909-)v/; (1895-1930**)w/.
South Platte River at Henderson, Colo. ....	4,740	1933-; (1926-)v/.
South Platte River at Fort Lupton, Colo. ....	5,070	1933-; (1906**; 1929-)v/.
South Platte River at Platteville, Colo. ....	x/ 6,000	(1904-5**)x/.
South Platte River near Kersey, Colo. ....	9,500	1901-3; 1905-12; 1913; 1933-; (1913-)v/; (1905-30**)w/.
South Platte River at Sublette, Colo. ....	12,900	1933-41; 1943-; (1926-42)v/.
South Platte River at Orchard, Colo. ....	-	1895-1900; (1903-6**)v/.
South Platte River at Fort Morgan, Colo. ....	14,800	1943-
South Platte River at Balzac (Union), Colo. ....	17,700	1933-; (1906-8*; 1917-)v/; (1916-30**)w/.
South Platte River at Julesburg (Ovid), Colo. ....	22,800	1902-6; 1908-12; 1913*; 1914; 1930-; (1914-24; 1925-)v/; (1923-26)g/; (1901-38**)x/.
South Platte River at Big Springs, Nebr. ....	-	1902*; 1903.
South Platte River at Paxton (Ogallala), Nebr. ....	23,700	1931-33; 1939-; (1923; 1937-)g/.
South Platte River at North Platte, Nebr. ....	24,300	1897; 1914-16; 1931-; (1914-)g/.
Twelve Mile Creek at Redford's ranch, Colo. ....	x/ 12	(1917**)x/.
Buffalo Springs Branch at 63 ranch, Colo. ....	x/ 3	(1917**)x/.
Poney Creek at Hartsel, Colo. ....	x/ 12	(1917**)x/.
Salt Creek near Hartsel, Colo. ....	x/ 32	(1917**)x/.
Four Mile Creek at Nelson's ranch, Colo. ....	x/ 38	(1933-38**)x/.

g/ In reports of the Nebraska Department of Roads and Irrigation.

r/ In Water Resources of Nebraska, Nebraska State Planning Board.

v/ In reports of the State engineer of Colorado.

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

x/ In Water Resources of Colorado, Colorado Water Conservation Board.

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## MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
South Platte River tributaries--Continued.		
Four Mile Creek at mouth, Colo. ....		(1933-38**)x/.
Middle Fork South Platte River		
at Alma, Colo. ....	23.7	1916.
Middle Fork South Platte River	83	1910-12*; 1916; (1916-17)v/;
at Fairplay, Colo. ....		(1916-17**)w/.
Middle Fork South Platte River		
below Fairplay, Colo. ....	x/110	(1933-38**)x/.
Middle Fork South Platte near		
Hartsel (at mouth), Colo. ....	x/225	(1916**; 1933-38**)x/.
Beaver Creek above Fairplay, Colo. ....	x/13	(1917**)x/.
Tarryall Creek above (near) Como, Colo. ....	x/37	1911-12*; (1934-38**)x/.
Tarryall Creek near Jefferson, Colo. ....	223	1910-11*; 1912-17.
Tarryall Creek below Rock Creek, Colo. ....	x/242	(1934-38**)x/.
Tarryall Creek near Lake George (Hayman), Colo. ....	460	1910-12; 1933- ;
		(1925- )v/; (1916**)x/.
Boreas Pass ditch from tributaries of		
Blue River to Tarryall Creek, Colo. ....	-	1948- **
Michigan Creek above (near) Jefferson, Colo. ....	x/19	1910-12*; (1934-38**)x/.
Jefferson Creek above (at) Jefferson, Colo. ....	x/12	1910-12*; (1934-38**)x/.
Rock Creek near Jefferson, Colo. ....	44	1916.
Goose (Lost Park) Creek above (near)	86	1899*; 1933- ; (1924- )v/;
Cheesman Lake, Colo. ....		(1899**; 1908-38**)x/.
North Fork South Platte River at Grant, Colo. ....	51	1910-18.
North Fork South Platte River below		
Geneva Creek, at Grant (Cassells), Colo. ....	130	1908-13; 1942-
North Fork South Platte River at Pine, Colo. ....	374	1942-46.
North Fork South Platte River at	484	1909-10; 1913- ;
South Platte, Colo. ....		(1913-29**)w/.
Geneva Creek above Jackwhacker		
Creek, near Grant, Colo. ....	-	1909-11*.
Geneva Creek at Old Geneva Smelter,		
near Grant, Colo. ....	-	1909-11*.
Geneva Creek at Grant (Sullivan's ranch), Colo. ....	74	1908-18.
Smelter Creek at Old Geneva Smelter,		
near Grant, Colo. ....	-	1909-11*.
Duck Lake Creek near Grant, Colo. ....	8	1909-11*.
Scott Gomer Creek at Sullivan's		
ranch, near Grant, Colo. ....	21	1909-10*; 1911-13.
Denver City pipeline conduit No. 8 near		
South Platte, Colo. ....	-	(1926-38**)x/.
Northern Colorado Irrigation Company Canal		
near South Platte, Colo. ....	-	(1926-38**)x/.
Platte Canon ditch near South Platte, Colo. ....	-	(1926-38**)x/.
City (Platte Water Co.) ditch near		
Littleton, Colo. ....	-	(1926-38**)x/.
Deer Creek near Littleton, Colo. ....	21.8	1942-46.
Plum Creek near Sedalia, Colo. ....	273	1942-47.
Plum Creek near Louviers, Colo. ....	319	1947-
Nevada ditch near Littleton, Colo. ....	-	(1926-38**)x/.
Brown ditch near Littleton, Colo. ....	-	(1926-38**)x/.
Petersburg Company ditch near Littleton, Colo. ....	-	(1926-38**)x/.
Bear Creek at (near) Morrison	165	1888-90; 1891**; 1895-1901;
(at Idledale, Starbuck), Colo. ....		1902*; 1933-
		(1888-91; 1919- )v/;
		(1887-91**; 1895-1901**)w/.
Bear Creek at mouth, at Sheridan, Colo. ....	265	1933- ; (1914; 1927- )v/.
Arnett and Robert Lewis ditches diversion		
from Bear and Turkey Creeks, Colo. ....	-	(1926-38**)x/.
Ward ditch diversion from Bear Creek, Colo. ....	-	(1926-38**)x/.
Hindry ditch diversion from Bear Creek, Colo. ....	-	(1926-38**)x/.
Lewis and Strouse ditch diversion from		
Bear Creek, Colo. ....	-	(1926-38**)x/.
Churn ditch diversion from Bear Creek, Colo. ....	-	(1926-38**)x/.

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
South Platte River tributaries--Continued.		
Bear Creek tributaries--Continued.		
Strouse ditch diversion from		
Bear Creek, Colo. ....	-	(1926-33**)x/.
Warrior ditch diversions from		
Bear and Turkey Creeks, Colo. ....	-	(1926-38**)x/.
Turkey Creek near Morrison, Colo. ....	49.4	1942-
Independent Highline ditch diversion		
from Turkey Creek, Colo. ....	-	(1926-38**)x/.
Bergen ditch diversion from		
Turkey Creek, Colo. ....	-	(1926-38**)x/.
Spickerman ditch diversion from		
Turkey Creek, Colo. ....	-	(1926-38**)x/.
Pioneer-Union Ditch diversion from		
Bear Creek, Colo. ....	-	(1926-38**)x/.
Hodgson ditch diversion from		
Bear Creek, Colo. ....	-	(1926-38**)x/.
Simonton ditch diversion from		
Bear Creek, Colo. ....	-	(1926-38**)x/.
McBroom ditch diversion from		
Bear Creek, Colo. ....	-	(1926-38**)x/.
Olson and Bell ditch diversion from		
Bear Creek, Colo. ....	-	(1926-38**)x/.
Platte Valley ditch at Denver, Colo. ....	-	(1926-38**)x/.
Farmers and Gardeners ditch at Denver, Colo. ....	-	(1926-38**)x/.
Cherry Creek near Franktown, Colo. ....	172	1939-
Cherry Creek near Melvin, Colo. ....	369	1939-
Cherry Creek below Cherry Creek Dam, Colo. ....	386	1950-
Cherry Creek at Denver, Colo. ....	420	1942-
Riverside Cemetery Canal at Denver, Colo. ....	-	(1926-38**)x/.
Burlington ditch at Denver, Colo. ....	-	(1926-38**)x/.
Duggan ditch at Denver, Colo. ....	-	(1926-38**)x/.
Denver-Hudson Canal at Denver, Colo. ....	-	(1926-38**)x/.
O'Brian Canal at Denver, Colo. ....	-	(1926-38**)x/.
Gardener's (Heller) ditch near Denver, Colo. ....	-	(1926-38**)x/.
Clear Creek near Lawson, Colo. ....	144	1946-
Clear Creek at Idaho Springs, Colo. ....	239	1910*; 1911-12; (1910-12**)x/.
Clear Creek at Forks Creek (above Golden), Colo. ....	345	1887-88; 1899-1912; (1897-1912**)w/.
Clear Creek near Golden, Colo. ....	392	1908-9; 1911-29; 1933-; (1911-)v/; (1911-38**)x/.
Clear Creek at mouth, near Derby, Colo. ....	600	1933-; (1914; 1927-)v/.
West Fork Clear Creek above Empire, Colo. ....	39.9	1942-46.
West Fork Clear Creek near Empire, Colo. ....	57	1929-31.
Jones Pass tunnel from tributaries of		
Williams River to West Fork		
Clear Creek, Colo. ....	-	1940- **
Berthoud Pass ditch from tributaries of		
Frazer River to West Fork		
Clear Creek, Colo. ....	-	1948- **
Fall River near Idaho Springs, Colo. ....	23.6	1933-38; (1930-38)v/.
Golden (Welch) ditch diversion from		
Clear Creek, Colo. ....	-	(1926-38**)x/.
Golden City and Ralston Creek (Church) ditch		
diversion from Clear Creek, Colo. ....	-	(1926-38**)x/.
Agricultural ditch diversion from		
Clear Creek, Colo. ....	-	(1926-38**)x/.
Golden (Farmer's Highline) Canal		
diversion from Clear Creek, Colo. ....	-	(1926-38**)x/.
Wannemaker ditch diversion		
from Clear Creek, Colo. ....	-	(1926-38**)x/.
Lee, Stewart, and Eskins ditch diversion		
from Clear Creek, Colo. ....	-	(1926-38**)x/.
Rocky Mountain ditch diversion from		
Clear Creek, Colo. ....	-	(1926-38**)x/.
Croke Canal diversion from Clear,		
Ralston, and Leyden Creeks, Colo. ....	-	(1930-32**; 1933-38**)x/.
Miles and Eskins ditch diversion from		
Clear Creek, Colo. ....	-	(1926-38**)x/.

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## MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
South Platte River tributaries--Continued.		
Clear Creek tributaries--Continued.		
Reno and Juchem ditch diversion from Clear Creek, Colo. ....	-	(1926-38**)x/.
<u>Slough (North Branch Clear Creek) Basin</u>		
Diversions (19 small ditches) from the slough (North Branch Clear Creek), Colo. ....	-	(1926-38**)x/.
Lees and Baugh ditch diversion from Clear Creek, Colo. ....	-	(1926-38**)x/.
Ouelette ditch diversion from Clear Creek, Colo. ...	-	(1926-38**)x/.
Cort, Graves, and Hughes ditch diversion from Clear Creek, Colo. ....	-	(1926-38**)x/.
<u>Ralston Creek Basin</u>		
Diversions (18 to 20 small ditches) from Ralston Creek, Colo. ....	-	(1926-38**)x/.
Boyles ditch diversion from Clear Creek, Colo. ...	-	(1926-38**)x/.
Kershaw ditch diversion from Clear Creek, Colo. ....	-	(1926-38**)x/.
Fisher ditch diversion from Clear Creek, Colo. ...	-	(1926-38**)x/.
Colorado Agricultural ditch diversion from Clear Creek, Colo. ....	-	(1926-38**)x/.
Clear Creek and Platte River ditch diversion from Clear Creek, Colo. ....	-	(1926-38**)x/.
Fulton ditch near Brighton, Colo. ....	-	(1926-38**)x/.
Brantner ditch near Brighton, Colo. ....	-	(1926-38**)x/.
Brighton ditch near Brighton, Colo. ....	-	(1926-38**)x/.
Lupton Shortline ditch near Fort Lupton, Colo. ....	-	(1926-38**)x/.
Lupton Bottom and Ellwood ditches near Fort Lupton, Colo. ....	-	(1926-38**)x/.
Platteville Irrigating & Milling Co. ditch near Fort Lupton, Colo. ....	-	(1926-38**)x/.
Side Hill and Meadow Island No. 1 ditches near Fort Lupton, Colo. ....	-	(1926-38**)x/.
Evans No. 2 ditch near Fort Lupton, Colo. ....	-	(1926-38**)x/.
Meadow Island No. 2 and Beeman ditches near Platteville, Colo. ....	-	(1926-38**)x/.
Bucker's ditch near Platteville, Colo. ....	-	(1926-38**)x/.
Farmers Independent ditch near Platteville, Colo. ...	-	(1926-38**)x/.
Hewes-Cook and Western ditches near Platteville, Colo. ....	-	(1926-38**)x/.
Jay Thomas ditch near Platteville, Colo. ....	-	(1926-38**)x/.
North St. Vrain Creek near Allens Park, Colo. ....	33	1925-30.
North St. Vrain Creek near Billing's ranch, Colo. ....	x/100	(1915-17**)x/.
North St. Vrain Creek at Longmont Dam, near Lyons, Colo. ....	109	1933- ; (1925- )v/; (1912- 13**; 1914-17**; 1922- 23)x/.
North St. Vrain Creek near Lyons, Colo. ....	x/123	(1892**)x/.
St. Vrain Creek at Lyons, Colo. ....	226	1887-90; 1891**; 1895- 1903; 1909-13; 1933- ; (1887-91; 1909- )v/; (1887-91**; 1895-1930**)w/.
St. Vrain Creek at mouth, near Platteville, Colo. ....	1,000	1933- ; (1904-6**; 1915; 1927- )v/.
South St. Vrain Creek near Ward, Colo. ....	15	1926-27; 1929-31.
South St. Vrain Creek near Lyons, Colo. ....	x/66	(1892**)x/.
Middle St. Vrain Creek near Allens Park, Colo. ....	28	1926-30.
Supply ditch at Lyons, Colo. ....	-	1899*; 1902*; 1903.
Lefthand Creek near Boulder, Colo. ....	48.3	1929-31; 1947-
Lefthand Creek at mouth, at (near) Longmont, Colo. ....	74	1933-41; (1927-42)v/.
Middle Boulder Creek above Cardinal Creek, Colo. ....	-	(1907**; 1911-16**)x/.
Middle Boulder Creek at Nederland, Colo. ....	35.5	1934-40; 1945- ; (1928-40)v/; (1908-10**; 1917-38**)x/.

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## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries --Continued.		
South Platte tributaries--Continued.		
St. Vrain Creek tributaries--Continued.		
Boulder Creek near (at) Orodell (North Boulder Creek above Boulder), Colo. ....	105	1887-88; 1907-13; 1933- ; (1907-14; 1916- ) <u>v</u> / (1907-14**; 1916-30**)w/.
Boulder Creek near Boulder (North Boulder Creek above Boulder), Colo. ....	129	1888-90; 1891-92**; 1895-1901; 1907-8; (1888-92; 1904-8**)v/.
Boulder Creek at mouth, near Longmont, Colo. ....	512	1933- ; (1927- ) <u>v</u> / 1913-28; (1929**)w/.
North Boulder Creek at Silver Lake, Colo. ....	8.7	1929-31.
North Boulder Creek near Nederland, Colo. ....	25	
Boulder ditch diversion from North Boulder Creek, Colo. ....	-	(1926-38**)x/.
Fourmile Creek at Orodell (at mouth, near Orodell), Colo. ....	24.7	1947- ; (1887**)x/.
Silver Lake ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Farmer's ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Anderson ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Boulder and White Rock ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
McCarty ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Dry Creek ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Harden ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Wellman, Nichols, and Hahn ditch diversion from Boulder Creek, Colo. ....	-	(1930-38**)x/.
Boulder and Lefthand ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
North Boulder Farmer's ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Smith and Goss ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Wellman ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Butte Mill ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
South Boulder Creek near Rollinsville, Colo. ....	43.1	1910-18; 1945-49; (1910-18**)w/.
South Boulder Creek near (at) Eldorado Springs (Marshall), Colo. ....	114	1888-90; 1891-92**; 1895- 1901; 1909-13; 1933- ; (1888-92; 1909- ) <u>v</u> / (1895-1901**; 1904- 30**)w/.
Moffat water tunnel from tributaries of Frazer River to South Boulder Creek, Colo.	-	1936- ** (prior to May 1945, published only in Part 9.)
South Boulder and Coal Creek ditch diversion from South Boulder Creek, Colo.	-	(1926-38**)x/.
Community ditch (Canal) diversion from South Boulder Creek (near Marshall), Colo.	-	1909; (1926-38**)x/.
South Boulder and Foothills ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
Davidson ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
Goodhue and Rock Creek ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.

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# MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
South Platte River tributaries--Continued.		
St. Vrain Creek tributaries--Continued.		
Boulder Creek tributaries--Continued.		
South Boulder Creek tributaries--Continued.		
South Boulder and Bear Creek ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
Dry Creek No. 2 ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
Marshallville ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
Schearer ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
South Boulder Canon ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
McGinn ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
Central and South ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
Howard ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
East Boulder ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
Jones and Donnelly ditch diversion from South Boulder Creek, Colo. ....	-	(1926-38**)x/.
Green ditch diversion from Boulder Creek, Colo. .	-	(1926-38**)x/.
Legget (Charity) ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
<u>Dry Creek Basin</u>		
Enterprise ditch diversion from Dry Creek, Colo. ....	-	(1926-38**)x/.
Cottonwood No. 2 ditch diversion from Dry Creek, Colo. ....	-	(1926-38**)x/.
Dry Creek ditch diversion from Dry Creek, Colo. ....	-	(1926-38**)x/.
Andrews and Farwell ditch diversion from Dry Creek, Colo. ....	-	(1926-38**)x/.
Leyner and Cottonwood No. 1 ditches diverting from Dry Creek, Colo. ....	-	(1926-38**)x/.
Lewis, Home, and Davidson ditch diversion from Dry Creek, Colo. ....	-	(1926-38**)x/.
Lower Boulder ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Boulder and Weld County ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Howell ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Plumb ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
<u>Coal Creek Basin</u>		
Last Chance ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.
Zang ditch diversion from Coal Creek, Colo. ....	-	(1929-38**)x/.
Church ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.
Kinnear ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.
McKenzie ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.
Autrey and Eggleston ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.
Eggleston No. 1 ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
South Platte River tributaries--Continued.		
St. Vrain Creek tributaries--Continued.		
Boulder Creek tributaries--Continued.		
Coal Creek Basin--Continued.		
Eggleston No. 2 ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.
Minks and Autrey ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.
Hake ditch diversion from Coal Creek, Colo. ...	-	(1926-38**)x/.
Wallace ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.
Kerr No. 1 and No. 2 ditch diversions from Coal Creek, Colo. ....	-	(1926-38**)x/.
Willis ditch diversion from Coal Creek, Colo. ....	-	(1926-28**)x/.
Harris ditch diversion from Coal Creek, Colo. ....	-	(1927-38**)x/.
Erie-Coal Creek ditch diversion from Coal Creek, Colo. ....	-	(1926-38**)x/.
Gooding, Daily, and Plumb ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Houck No. 2 ditch diversion from from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Carr and Tyler ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Smith and Tyler ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Delehant ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Highland (Goddard) ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Smith and Emmons ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Rural ditch diversion from Boulder Creek, Colo. ....	-	(1926-38**)x/.
Big Bend ditch near Platteville, Colo. ....	-	(1926-38**)x/.
Union ditch near Platteville, Colo. ....	-	(1926-38**)x/.
Section No. 3 ditch near Lasalle, Colo. ....	-	(1926-38**)x/.
Big Thompson River (Thompson River) at Estes Park, Colo. ....	137	1947-
Big Thompson River (Thompson River) near Estes Park, Colo. ....	158	1933- ; (1930- )v/.
Big Thompson River below powerhouse, (Thompson River) near Drake, Colo. ....	277	1917-26; 1928-
Big Thompson River (Thompson River) at mouth of canyon, near Drake, Colo. ....	302	1927-30; 1938- ; (1926-33)v/.
Big Thompson River (Creek) near Arkins, Colo. ....	305	1887-90; 1891-92**; 1895-1903; 1909-11; (1887-92)v/; (1895- 1911**)w/.
Big Thompson River near Loveland, Colo. ....	515	1947-
Big Thompson River (Thompson River) at mouth, near La Salle, Colo. ....	818	1933- ; (1914; 1927- )v/.
Eureka ditch from Tonahutu Creek to Big Thompson River, Colo. ....	-	1948- **
Glacier Creek near Estes Park, Colo. ....	25.2	1947-
Alva B. Adams Tunnel at East Portal, near Estes Park, Colo. ....	-	1947-
Fall River at Estes Park, Colo. ....	40.8	1947-
Fish Creek near Estes Park, Colo. ....	16.9	1947-
North Fork Big Thompson River (Thompson River) at Drake, Colo. ....	85.1	1947-
Handy ditch near Arkins, Colo. ....	-	1899*; 1903.
Buckhorn Creek near Masonville, Colo. ....	140	1947-
<u>Dry Creek Basin</u>		
Cottonwood Creek near Pinewood, Colo. ....	15.1	1947-
Little Thompson River near Berthoud, Colo. ....	100	1929-30; 1947-

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## MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
South Platte River tributaries--Continued.		
Lower Latham ditch near Evans, Colo. ....	-	(1926-38**) <u>x</u> /.
Patterson ditch near Evans, Colo. ....	-	(1926-38**) <u>x</u> /.
Highland (Plumb) ditch near Greeley, Colo. ....	-	(1926-38**) <u>x</u> /.
Cache la Poudre River above Chambers Lake outlet, Colo. ....	91	1929-31.
Cache la Poudre River near Log Cabin (Elkhorn), Colo. ....	235	1909-11; 1929-31.
Cache la Poudre River below Elkhorn Creek, Colo. ....	372	1947-
Cache la Poudre River near Fort Collins, Colo. ....	495	1909-11.
Cache la Poudre River at mouth of canyon, near Fort Collins, Colo. ....	1,048	1884-1901; 1910-13; 1933-; (1884-1903; 1910- ) <u>y</u> /. (1881**) <u>x</u> /; (1884-1930**) <u>w</u> /.
Cache la Poudre River near Greeley, Colo. ....	1,840	1903; 1933-; (1903-4**) <u>x</u> /; (1914-19; 1924- ) <u>y</u> /.
Grand River ditch (transmountain diversion) Colo. ....	-	1942- ** (Published in Part 9 only prior to Oct. 1947)
South Fork Cache la Poudre River near Eggers, Colo. ....	69	1929-31.
North Fork Cache la Poudre River at Livermore, Colo. ....	541	1929-31.
North Fork Cache la Poudre River near Livermore, Colo. ....	566	1947-
Lonetree Creek near Granite Canyon, Wyo. ....	23	1933-38.
Middle Fork Crow Creek near Hecla, Wyo. ....	23	1902-3; 1933-
Crow Creek at Silver Crown, Wyo. ....	-	(1909-10**) <u>k</u> /.
Crow Creek near Cheyenne, Wyo. ....	310	1922-24.
South Fork Crow Creek near Hecla, Wyo. ....	16	1933-
North Fork Crow Creek near Hecla, Wyo. ....	27	1933-
Boxelder Creek near Hudson, Colo. ....	285	(1942-46) <u>y</u> /.
Bijou Creek near Wiggins, Colo. ....	1,420	1950-
Lodgepole Creek near Federal, Wyo. ....	25	1933-38.
Lodgepole Creek at Wyoming-Nebraska State line ....	-	(1925-31) <u>q</u> /.
Lodgepole Creek near Bushnell, Nebr. ....	-	(1924-25; 1931) <u>q</u> /. (1923-24**) <u>r</u> /.
Lodgepole Creek at Bushnell (above Oliver Reservoir), Nebr. ....	1,090	1931-; (1925- ) <u>q</u> /.
Oliver (Kimball) Reservoir ....	-	(1933- ) <u>q</u> /.
Lodgepole Creek below Oliver (Kimball) Reservoir, Nebr. ....	-	(1924-31; 1932-35; 1936-45; 1948- ) <u>q</u> /.
Lodgepole Creek near (North of) Kimball, Nebr. ....	-	(1925-31) <u>q</u> /.
Lodgepole Creek above Bennett Reservoir, Nebr. ....	-	(1928-29) <u>q</u> /.
Bennett Reservoir ....	-	(1948- ) <u>q</u> /.
Lodgepole Creek near Dix, Nebr. ....	-	(1927) <u>q</u> /.
Lodgepole Creek at (near, south of) Sidney, Nebr. ....	2,190	1931-32; (1924-31) <u>q</u> /.
Lodgepole Creek at (one mile west of) Lodgepole, Nebr. ....	-	(1924-31) <u>q</u> /.
Lodgepole Creek at Chappell, Nebr. ....	-	(1926-31) <u>q</u> /.
Lodgepole Creek at Ralton, Nebr. (Colorado- Nebraska State line, interstate station) ....	2,800	1931; (1925-31) <u>q</u> /.
Lodgepole Creek at Ovid, Colo. ....	-	(1922; 1924-26) <u>q</u> /; (1923- 24) <u>y</u> /; (1923-24**) <u>x</u> /.
South Fork Lodgepole Creek near Federal, Wyo. ....	16	1933-38.
Bushnell Canal diversion from Lodgepole Creek, Nebr. ....	-	(1935) <u>q</u> /.
New Ruttner Canal diversion from Lodgepole Creek, Nebr. ....	-	(1936-42; 1948- ) <u>q</u> /.
Kimball (Oliver) Reservoir Canals diversion from Lodgepole Creek, Nebr. ....	-	(1923; 1927; 1933- ) <u>q</u> /.
Kinney No. 1 (South, Ruttner-Kinney) Canal diversion from Lodgepole Creek, Nebr. ....	-	(1927; 1935-45; 1947- ) <u>q</u> /.

k/ In reports of the State engineer of Wyoming.q/ In reports of the Nebraska Department of Roads and Irrigation.r/ In Water Resources of Nebraska, Nebraska State Planning Board.y/ In reports of the State engineer of Colorado.w/ 73d Cong., 2d sess., H. Doc. 197, Platte River.x/ In Water Resources of Colorado, Colorado Water Conservation Board.

\*\* Only monthly figures of discharge or contents.

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area <sup>a</sup> (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
South Platte River tributaries--Continued.		
Lodgepole Creek tributaries--Continued.		
Kinney Canal, North (No. 2) diversion		
from Lodgepole Creek, Nebr. ....	-	(1934-41; 1943-45; 1947- )g/.
Hurley-Lilly-Polly Canal diversion		
from Lodgepole Creek, Nebr. ....	-	(1935-45)g/.
Atkins-Polly Canal diversion		
from Lodgepole Creek, Nebr. ....	-	(1933-44; 1946- )g/.
Bickel Canal diversion		
from Lodgepole Creek, Nebr. ....	-	(1932-45; 1947- )g/.
Owasco Canal diversion		
from Lodgepole Creek, Nebr. ....	-	(1925; 1927; 1933-45; 1947- )g/.
Bennett Canal diversion from		
Lodgepole Creek, Nebr. ....	-	(1948- )g/.
McIntosh Canal diversion		
from Lodgepole Creek, Nebr. ....	-	(1937-43; 1945- )g/.
Circle Arrow Canal diversion		
from Lodgepole Creek, Nebr. ....	-	(1937-44; 1947- )g/.
Trognitz Canal diversion		
from Lodgepole Creek, Nebr. ....	-	(1928)g/.
Booth Canals, North and South, diverting		
from Lodgepole Creek, Nebr. ....	-	(1936-38; 1940)g/.
Western Canal near Big Springs, Nebr. ....	-	(1918- )g/.
Hollingsworth Canal near Ogallala, Nebr. ....	-	(1930-41)g/.
Paxton Canal near Paxton, Nebr. ....	-	(1931)g/.
Fremont Slough near Gannett, Nebr. ....	-	(1946- )g/.
Tri-County Canal near North Platte, Nebr. ....	-	(1940- )g/.
Jeffrey power return from Tri-County		
System, Nebr. ....	-	(1940- )g/.
Johnson power return from Tri-County		
System, Nebr. ....	-	(1941- )g/.
White Horse Creek near North Platte, Nebr. ....	-	(1922-42)g/.
Fremont Slough near North Platte, Nebr. ....	-	(1942- )g/.
Bull drain near North Platte, Nebr. ....	-	(1931-42)g/.
Pawnee Creek near Brady, Nebr. ....	-	(1923-42)g/.
Kent-Burke Canal diversion from		
Pawnee Creek, Nebr. ....	-	(1931-35; 1937; 1939-41)g/.
Holcombe Canal diversion from		
Pawnee Creek, Nebr. ....	-	(1939-41)g/.
Thirty Mile Canal near Brady, Nebr. ....	-	(1928- )g/.
Thirty Mile Canal waste at		
6-Foot Weir, Nebr. ....	-	(1932; 1939-41)g/.
Thirty Mile Canal waste at		
8-Foot Weir, Nebr. ....	-	(1932; 1939-41)g/.
Gothenburg Diversion Canal near Brady, Nebr. ....	-	(1919; 1921- )g/.
Gothenburg power return at Gothenburg, Nebr. ....	-	(1919; 1921-33; 1934- )g/.
Gothenburg Irrigation Canal at Gothenburg, Nebr. ....	-	(1916; 1918-19; 1921-30; 1933-43; 1945- )g/.
Gothenburg Canal waste into Buffalo Creek, Nebr. ....	-	(1930; 1932; 1937-41)g/.
Six Mile Canal near Brady, Nebr. ....	-	(1919; 1922- )g/.
Cozad Canal near Gothenburg, Nebr. ....	-	(1918- )g/.
Orchard-Alfalfa Canal near Cozad, Nebr. ....	-	(1919- )g/.
Dawson County Canal near Cozad, Nebr. ....	-	(1918- )g/.
Dawson County Canal diversion from		
Cozad Canal waste, Nebr. ....	-	(1929; 1931-32; 1935-42)g/.
Dawson County Canal waste to		
Strever Creek, Nebr. ....	-	(1936; 1939-40)g/.
Dawson County Canal waste to		
Buffalo Creek, Nebr. ....	-	(1929; 1932-34; 1936-38)g/.
Dawson County waste to French Creek, Nebr. ....	-	(1932-33; 1936-41)g/.
Dawson County Canal waste to Elm Creek, Nebr. ....	-	(1932-34; 1936-41)g/.
Dawson County drain No. 2 near Cozad, Nebr. ....	-	(1931- )g/.
Phelps County Canal near Lexington, Nebr. ....	-	(1938-40; 1947- )g/.
Dawson County drain No. 1 near Lexington, Nebr. ....	-	(1930-31)g/.
Plum Creek near Smithfield, Nebr. ....	268	1946-
Elm Creek Canal near Overton, Nebr. ....	-	(1931- )g/.
Strever Creek near Overton, Nebr. ....	-	(1931-34; 1935- )g/.
Kearney Canal near Kearney, Nebr. ....	-	(1919; 1921- )g/.
Kearney Canal diversion from Buffalo Creek, Nebr. ....	-	(1935-42)g/.
Kearney Canal diversion from Elm Creek, Nebr. ....	-	(1935-42)g/.
Kearney Canal power waste near Kearney, Nebr. ....	-	(1937- )g/.

g/ In reports of the Nebraska Department of Roads and Irrigation.



## MISSOURI RIVER TRIBUTARIES

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Missouri River tributaries--Continued.	Drainage Area (square miles)	Period of Record
Platte River tributaries--Continued.		
Buffalo Creek near Darr, Nebr. ....	62.8	1946-
Buffalo Creek near Elm Creek, Nebr. ....	-	(1925; 1927-28; 1931- ) g/.
Buffalo Creek near Overton, Nebr. ....	175	1949-
Elm Creek near Overton, Nebr. ....	31.3	1946-
Elm Creek near Elm Creek, Nebr. ....	-	(1931-34; 1935- ) g/.
Wood River near Riverdale (Kearney), Nebr. ....	379	1946- ; (1927) g/.
Wood River near Gibbon, Nebr. ....	-	1949-
Wood River near Chapman, Nebr. ....	-	(1926) g/.
Dry Creek at Cairo, Nebr. ....	-	1949-
Prairie Creek near Silver Creek, Nebr. ....	-	1949-
Middle Loup River near Mullen, Nebr. ....	-	1946-48**.
Middle Loup River near Seneca, Nebr. ....	-	1948-
Middle Loup River near Dunning, Nebr. ....	1,760	1945-
Middle Loup River at Walworth (Sargent), Nebr. ....	4,340	1936-38; 1940-41; 1943- ; (1940- ) g/.
Middle Loup River near Comstock, Nebr. ....	-	1936-37.
Middle Loup River at Arcadia, Nebr. ....	4,730	1937-
Middle Loup River at Loup City, Nebr. ....	-	1936-38; 1949-
Middle Loup River at Boelus, Nebr. ....	-	1936-38; (1941-42) g/.
Middle Loup River at St. Paul, Nebr. ....	7,750	1895-97; 1899; 1903; 1928- ; (1894-1915**) r/.
Loup River near Genoa, Nebr. ....	14,440	1928-32; 1943- ***
Loup River at (near) Columbus, Nebr. ....	15,230	1894*; 1895-1906; 1907-11*; 1912-15; 1931; 1933-36; 1936- ***; (1911-15) g/.
		(1894-1915**) r/.
Dismal River (at Dunning dam site) near Gem, Nebr. ....	1,360	1946- **
Dismal River at Dunning, Nebr. ....	1,480	1932; 1945-
Middle Loup Canal No. 1 diversion from Middle Loup River, Nebr. ....	-	(1938-43; 1947- ) g/.
Middle Loup Canal No. 2 diversion from Middle Loup River, Nebr. ....	-	(1938-43; 1947- ) g/.
Middle Loup Canal No. 4 diversion from Middle Loup River, Nebr. ....	-	(1938-43; 1947- ) g/.
Middle Loup Canal No. 3 diversion from Middle Loup River, Nebr. ....	-	(1938-43; 1947- ) g/.
Boelus Fower Canal near Boelus, Nebr. ....	-	(1933-34; 1935-38; 1939-42) g/.
South Loup River at Callaway, Nebr. ....	-	(1937-40) g/.
South Loup River near Cumro, Nebr. ....	1,340	1946-
South Loup River at Ravenna, Nebr. ....	1,660	1940-
South Loup River at St. Michael, Nebr. ....	2,560	1943-
Mud Creek near Broken Bow, Nebr. ....	-	1949-
Mud Creek near Berwyn, Nebr. ....	-	(1927) g/.
Mud Creek near Mason City, Nebr. ....	-	(1927) g/.
Mud Creek south of Hazard, Nebr. ....	-	(1927) g/.
Mud Creek near Sweetwater, Nebr. ....	678	1946-
Oak Creek near Dannebrog, Nebr. ....	122	1949-
North Loup River at Brewster, Nebr. ....	1,890	1945-
North Loup River at Taylor, Nebr. ....	2,210	1936-
North Loup River near Burwell, Nebr. ....	-	1936-38.
North Loup River near Ord, Nebr. ....	-	1936-38.
North Loup River at Scotia, Nebr. ....	4,100	1936-
North Loup River near St. Paul, Nebr. ....	4,460	1895-97; 1899; 1903; 1928- ; (1894-1915**) r/.
Newton Canal diversion from North Loup River, Nebr. ....	-	(1940-41) g/.
Almeria Canal diversion from North Loup River, Nebr. ....	-	(1940-41) g/.
Taylor-Ord Canal diversion from North Loup River, Nebr. ....	-	(1939-43; 1947- ) g/.
Calamus River near Harrop, Nebr. ....	983	1931-32.
Calamus River near Burwell, Nebr. ....	1,210	1940-
Burwell-Sumpter Canal diversion from North Loup River, Nebr. ....	-	(1939-43; 1947- ) g/.
Ord-North Loup Canal diversion from North Loup River, Nebr. ....	-	(1939-43; 1947- ) g/.
Davis Creek near Cotesfield, Nebr. ....	-	1949-

g/ In reports of the Nebraska Department of Roads and Irrigation.

r/ In Water Resources of Nebraska, Nebraska State Planning Board.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

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

## INDEX, PART 6, MISSOURI RIVER BASIN

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Platte River tributaries--Continued.		
Loup River tributaries--Continued.		
Spring Creek at Cushing, Nebr. ....	-	1949-
Cedar River near Spalding, Nebr. ....	794	1945-
Cedar River near Fullerton, Nebr. ....	1,220	1931-32; 1940-
Loup River power canal near Genoa, Nebr. ....	-	1936-
Beaver Creek at Loretto, Nebr. ....	345	1944-
Beaver Creek at Genoa, Nebr. ....	627	1940-
Shell Creek at Newman Grove, Nebr. ....	-	1949-
Shell Creek near Columbus, Nebr. ....	-	1947-
Elkhorn River at O'Neill, Nebr. ....	651	1931-32.
Elkhorn River at Ewing, Nebr. ....	-	1947-
Elkhorn River at Neligh, Nebr. ....	2,200	1931- ; (1930-38**)r/.
Elkhorn River at Norfolk, Nebr. ....	2,790	1896-1903; 1945-
Elkhorn River at Arlington, Nebr. ....	5,980	1899-1903; 1913-15; (1899-1903**; 1913-15**)w/.
Elkhorn River at Waterloo, Nebr. ....	6,900	1911-13; 1928- ; (1911-13**; 1928-30**)w/.
South Fork Elkhorn River at Ewing, Nebr. ....	-	1947-
Logan Creek near Uehling, Nebr. ....	1,030	1941-
Salt Creek at Lincoln, Nebr. ....	-	1949-
Salt Creek near Ashland, Nebr. ....	-	1947-
Wahoo Creek at Ithaca, Nebr. ....	-	1949-
Silver Creek at Ithaca, Nebr. ....	-	1949-
Waubonsie Creek near Bartlett, Iowa ....	30	1946-
Weeping Water Creek at Union, Nebr. ....	-	1950-
West Nishnabotna River at White Cloud, Iowa ....	920	1918-24
West Nishnabotna River at Randolph, Iowa ....	1,310	1948-
Nishnabotna River above (near) Hamburg, Iowa ....	2,800	1922-23; 1928- ; (1922-23**)c/.
East Nishnabotna River at Red Oak, Iowa. ....	890	1918-25; 1936- ; (1918-25**)c/.
Little Nemaha River at Auburn, Nebr. ....	-	1949-
Nemaha River at Falls City, Nebr. ....	1,340	1944-
Turkey Creek near Seneca, Kans. ....	-	1949-
Tarkio (East Tarkio Creek) River at Blanchard, Iowa ....	200	1934-40.
Tarkio River at Fairfax, Mo. ....	508	1922-
West Tarkio Creek near Westboro, Mo. ....	105	1934-40.
Mill Creek at Oregon, Mo. ....	4.9	1950-
Nodaway River at Clarinda, Iowa. ....	740	1918-25; 1936-
Nodaway River near Burlington Junction, Mo. ....	1,240	1922- ; (1921-31**)c/.
West Nodaway River at Villisca, Iowa ....	360	1918-25; (1918-25**)c/.
Bean Lake near Iatan, Mo. ....	-	(1924-25*)e/.
Platte River at Conception Junction, Mo. ....	492	1921-23; 1924-25*; 1928-32.
Platte River at Rochester, Mo. ....	664	(1932-35*)e/.
Platte River near (at) Agency, Mo. ....	1,760	1924-30; 1932-
One Hundred and Two River near Maryville, Mo. ....	500	1934-
One Hundred and Two River at Maryville, Mo. ....	515	1932-34.
White Cloud Creek near Maryville, Mo. ....	6.06	1948-
Jenkins Branch at Gower, Mo. ....	2.72	1950-
Arikaree River (head of Kansas River) at Haigler, Nebr. ....	1,460	1932- ; (1925- )g/; (1923-38**)r/.
(North Fork) Republican River (Continuation of Arikaree River) at (near) Benkelman, Nebr. ....	4,770	1894*; 1895; 1903-6; 1946- ; (1924-29; 1930-31)g/; (1894-95**; 1902-6**; 1923-30**)y/.
Republican River at (near) Max, Nebr. ....	7,580	1928-47; (1928-30**)y/.
Republican River at Stratton, Nebr. ....	-	1950-
Republican River at Trenton, Nebr. ....	8,120	1946-
Republican River at (near) Culbertson, Nebr. ....	8,210	1913-15*; 1931-50; (1922; 1924-50)g/; (1921-29**)r/.
Republican River at (near) McCook, Nebr. ....	-	1931-32; (1924-31)g/.
Republican River near Cambridge, Nebr. ....	14,300	1945-
Republican River near Arapahoe, Nebr. ....	-	(1924; 1926-27)g/.
Republican River below Muddy Creek, near Arapahoe, Nebr. ....	-	(1925)g/.
Republican River near Oxford, Nebr. ....	-	(1924)g/.
Republican River at Orleans, Nebr. ....	-	1947-
Republican River near Bloomington, Nebr. ....	80,800	1929- ; (1928-38**)r/.

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

e/ In reports of the Missouri Geological Survey and Water Resources.

g/ In reports of the Nebraska Department of Roads and Irrigation.

r/ In Water Resources of Nebraska, Nebraska State Planning Board.

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

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

z/ Includes 2,210 square miles (revised) closed basin in Colorado.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Republican River near Guide Rock, Nebr. ....	-	1950-
Republican River at Guide Rock, Nebr. ....	-	(1931-33*) <u>d</u> /.
Republican River near Hardy (near Superior, at Bostwick), Nebr. ....	22,400	1896-1914; 1915*; 1931- ; (1896-1915**; 1929-38**) <u>r</u> /.
Republican River at Scandia, Kans. ....	22,930	1919-25; 1928-44; (1919-25**) <u>y</u> /.
Republican River at Concordia, Kans. ....	23,540	1946- ; (1931- *) <u>d</u> /.
Republican River at Clyde, Kans. ....	-	(1918-29*) <u>d</u> /.
Republican River at Clay Center (Wakefield), Kans. ....	24,570	1917- ; (1904-17*) <u>d</u> /.
Republican River at Junction (Junction City), Kans. ....	24,960	1895-1905; (1895-1905) <u>aa</u> /.
Kansas River at Ogden, Kans. ....	45,240	1917-
Kansas River near St. George, Kans. ....	-	1904*.
Kansas River at Warnego, Kans. ....	55,240	1919- ; (1914- *) <u>d</u> /.
Kansas River at Topeka, Kans. ....	56,710	1904*; 1917- ; (1917-30**) <u>y</u> /; (1904- *) <u>d</u> /.
Kansas River at LeCompton (near Lawrence), Kans. ....	58,420	1881-85*; 1886-90**; 1891-1905; 1906**; 1936-
Kansas River at Bonner Springs, Kans. ....	59,890	1917- ; (1917-31**) <u>c</u> /.
Kansas River at Kansas City, Kans. ....	-	(1901-19*) <u>aa</u> /.
North Fork Republican River near Wray, Colo. ....	-	1937-46.
Pioneer Canal at Colorado-Nebraska State line ....	-	1950-
North Fork Republican (Arikaree) River at Colorado-Nebraska State line ....	<u>z</u> /2,530	1931- ; (1915; 1926- ) <u>g</u> /.
North Fork Republican River near Sanborn (Haigler), Nebr. ....	-	(1924-29) <u>g</u> /; (1923-30**) <u>y</u> /.
Haigler Canal near Sanborn, Nebr. ....	-	(1927; 1941) <u>g</u> /.
Buffalo Creek near Haigler, Nebr. ....	180	1940- ; (1922; 1924-31) <u>g</u> /.
Allen-Larned Canal diversion from Buffalo Creek, Nebr. ....	-	(1940-41) <u>g</u> /.
Parks Canal near Parks, Nebr. ....	-	(1921; 1940-41) <u>g</u> /.
Rock Creek at (near) Parks, Nebr. ....	180	1940- ; (1925-31; 1932-33) <u>g</u> /.
Phelan Canal diversion from Rock Creek, Nebr. ....	-	(1921) <u>g</u> /.
Horse Creek near Parks, Nebr. ....	-	(1925; 1928-31) <u>g</u> /.
Dundy County Canal near Parks, Nebr. ....	-	(1921) <u>g</u> /.
South Fork Republican River near Idalia, Colo. ....	1,250	1950-
South Fork Republican River near Hale, Colo. ....	1,760	1944-48.
South Fork Republican River near Colorado-Kansas State line. ....	1,860	1946-
South Fork Republican River (Republican River) near (at) Benkelman, Nebr. ....	2,580	1894-95*; 1903-6; 1931-32; 1937- ; (1894-95**; 1902-6**; 1923-33**) <u>r</u> /; (1924-29; 1930-33) <u>g</u> /.
Landsman Creek near Hale, Colo. ....	450	1950-
Delaware-Hickman Canal near Benkelman, Nebr. ....	-	(1928) <u>g</u> /.
Indian Creek near Max, Nebr. ....	-	(1928-30) <u>g</u> /.
Frenchman Creek (River) above Maranville Reservoir, Nebr. ....	-	(1926-31; 1932-33) <u>g</u> /.
Frenchman Creek (River) below Maranville Reservoir, Nebr. ....	-	(1924-31; 1932-33) <u>g</u> /.
Frenchman Creek (River) below Inman Diversion, Nebr. ....	-	(1923-25; 1927-31) <u>g</u> /.
Frenchman Creek (River) above Champion Diversion Lake, Nebr. ....	-	(1925; 1927-31) <u>g</u> /.
Frenchman Creek (River) below Champion Reservoir (Kilpatrick's Diversion), Nebr. ....	-	(1925-30) <u>g</u> /.
Frenchman Creek near (above) Champion, Nebr. ....	-	1932-40.
Frenchman Creek below (near) Champion, Nebr. ....	940	1935- ; (1924-29) <u>g</u> /.
Frenchman Creek near (south of) Imperial (near Harvey Dam site), Nebr. ....	1,220	1940- ; (1924-30) <u>g</u> /.
Frenchman Creek near Enders, Nebr. ....	1,300	1946-

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

d/ In reports of United States Weather Bureau.

g/ In reports of the Nebraska Department of Roads and Irrigation.

r/ In Water Resources of Nebraska, Nebraska State Planning Board.

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

z/ Includes 2,210 square miles (revised) closed basin in Colorado.

aa/ In reports of Kansas Water Commission and Kansas State Board of Agriculture.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Kansas River tributaries--Continue.		
Frenchman Creek near Wauneta, Nebr. ....	-	1895*; 1896; (1924-30)g/.
Frenchman Creek near Hamlet, Nebr. ....	1,480	1929-; (1928-30**)y/.
Frenchman Creek near Falisade, Nebr. ....	-	1894-96; 1950-; (1925; 1927-30)g/; (1894-96**)y/.
Frenchman Creek at Culbertson, Nebr. ....	3,090	1913-15*; 1931-; (1922-)g/; (1921-38**)r/.
Maranville Canal diversion from Frenchman Creek, Nebr. ....	-	(1921-25; 1927; 1937-41)g/.
Inman Canal diversion from Frenchman Creek, Nebr. ....	-	(1920-21; 1923-25; 1927; 1937-41)g/.
Champion Canal diversion from Frenchman Creek, Nebr. ....	-	(1923; 1925; 1927-28; 1933; 1937-41)g/.
Whiteman's Fork near Champion, Nebr. ....	-	(1925-26)g/.
Aberdeen Canal diversion from Frenchman Creek, Nebr. ....	-	(1937-39; 1940-41)g/.
Follet Krotter Canal diversion from Frenchman Creek, Nebr. ....	-	(1921; 1926-27; 1936-41)g/.
Krotter Power Canal diversion from Frenchman Creek, Nebr. ....	-	(1939-40)g/.
Stinking Water Creek near Wauneta, Nebr. ....	1,260	1940-50.
Stinking Water Creek near Palisade, Nebr. ....	-	1949-; (1924-25; 1928-31; 1932-33)g/.
Culbertson Canal diversion from Frenchman Creek and Stinking Water Creek, Nebr. ....	-	(1920-29; 1931-)g/.
Riverside Canal diversion from Frenchman Creek, Nebr. ....	-	(1920; 1923; 1925; 1927; 1937-41)g/.
Farmers Canal diversion from Frenchman Creek, Nebr. ....	-	(1921-26; 1937-38; 1940-41)g/.
Meeker Canal near Culbertson, Nebr. ....	-	(1920-42)g/.
Blackwood Creek near Culbertson, Nebr. ....	290	1946-
Driftwood Creek near McCook, Nebr. ....	360	1946-
Red Willow Creek near McCook, Nebr. ....	-	1940-47.
Red Willow Creek near Red Willow, Nebr. ....	710	1939-; (1925-31)g/.
Medicine Creek above Medicine Creek Reservoir, Nebr. ...	-	1950-
Medicine Creek Reservoir, Nebr. ....	-	1949-
Medicine Creek below Medicine Creek Dam, Nebr. ....	-	1950-
Medicine Creek at (near) Cambridge, Nebr. ....	1,070	1936-; (1925-31)g/.
Mitchell Creek above Medicine Creek Reservoir, Nebr. ....	-	(1922-31**)r/.
Arapahoe Mill waste at Arapahoe, Nebr. ....	-	1950-
Muddy Creek near Arapahoe, Nebr. ....	-	(1925)g/.
Sappa Creek near Oberlin, Kans. ....	1,050	(1924; 1926-31)g/.
Sappa Creek near Beaver City, Nebr. ....	1,500	1929-32; 1944-; (1928-30**)y/.
Sappa Creek near Stamford, Nebr. ....	3,840	1937-
Beaver Creek at Ludell, Kans. ....	1,460	1945-
Beaver Creek at Cedar Bluffs, Kans. ....	-	1929-32; 1945-; (1928-30**)y/.
Beaver Creek near Beaver City, Nebr. ....	2,060	1946-
Prairie Dog Creek at Norton, Kans. ....	-	1937-
Prairie Dog Creek near Woodruff, Kans. ....	1,050	1944-
Turkey Creek at Naponee, Nebr. ....	160	1929-32; 1945-; (1928-30**)y/.
Cottonwood Creek near Bloomington, Nebr. ....	-	1948-
Center Creek at Franklin, Nebr. ....	-	1948-
Elm Creek at Amboy, Nebr. ....	54	1948-
White Rock Creek at Lovewell, Kans. ....	-	1946-
<u>Buffalo Creek Basin</u>		
West Buffalo Creek near Jewell, Kans. ....	15.2	1934-38.
West Buffalo Creek at Jewell, Kans. ....	16.8	1934-38.
Smoky Hill River at Elkader, Kans. ....	3,555	1939-
Smoky Hill River at Jerome, Kans. ....	3,900	1928-32.
Smoky Hill River near Ransom, Kans. ....	-	1950-
Smoky Hill River near Ellis, Kans. ....	5,630	1941-
Smoky Hill River at Pfeifer, Kans. ....	6,070	1929-32.
Smoky Hill River near Russell, Kans. ....	6,965	1939-
Smoky Hill River at Ellsworth, Kans. ....	7,580	1895-1904; 1905*; 1918-25; 1928-; (1927-30**)y/.
Kanopolis Reservoir near Kanopolis, Kans. ....	7,857	1948-
Smoky Hill River near Langley, Kans. ....	7,857	1940-

g/ In reports of the Nebraska Department of Roads and Irrigation.

r/ In Water Resources of Nebraska, Nebraska State Planning Board.

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

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

# MISSOURI RIVER TRIBUTARIES

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	Drainage Area (square miles)	Period of Record
Missouri River tributaries--Continued.		
Kansas River tributaries--Continued.		
Smoky Hill River at Lindsborg, Kans. ....	8,110	1930-; (1905-23) <sup>aa</sup> /; (1929-30 <sup>**</sup> ) <sup>y</sup> /.
Smoky Hill River near Mentor, Kans. ....	8,210	1923-32.
Smoky Hill River near Salina, Kans. ....	-	1947-
Smoky Hill River near New Cambria, Kans. ....	-	1948-
Smoky Hill River at (near) Solomon (near Abilene), Kans. ....	18,700	1904*; 1918-21; 1922-34; (1904-21) <sup>aa</sup> /; (1904- 21 <sup>**</sup> ) <sup>y</sup> /; (1904-34 <sup>*</sup> ) <sup>d</sup> /.
Smoky Hill River at Enterprise, Kans. ....	19,200	1934-
Rose Creek near Wallace, Kans. ....	-	1946-
North Fork Smoky Hill River near McAllaster, Kans. ....	-	1946-
Beaver (Ladder) Creek near Scott City, Kans. ....	-	1904-5*.
Hackberry Creek at Gove, Kans. ....	-	1946-
Big Creek near Hays, Kans. ....	-	1946-
Saline River near Russell, Kans. ....	-	1945-
Saline River near Wilson, Kans. ....	1,900	1929-
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.
Paradise Creek near Paradise, Kans. ....	-	1946-
Wolf Creek near Sylvan Grove, Kans. ....	-	1946-
South Fork Solomon River at Webster, Kans. ....	-	1945-
South Fork Solomon River at Alton, Kans. ....	1,720	1919-25; 1928-32; 1942-; (1919-25 <sup>**</sup> ) <sup>y</sup> /.
South Fork Solomon River at Osborne, Kans. ....	-	1946-
Solomon River at Beloit, Kans. ....	5,430	1895-97; 1929-; (1895- 97 <sup>**</sup> ) <sup>y</sup> /; (1905-*) <sup>d</sup> /.
Solomon River at Niles (near Bennington), Kans. ....	6,770	1897-1903; 1917-
North Fork Solomon River at Kirwin, Kans. ....	1,290	1919-25; 1928-32; 1941-; (1919-25 <sup>**</sup> ) <sup>y</sup> /.
North Fork Solomon River near Downs, Kans. ....	-	1945-
East Limestone Creek near Ionia, Kans. ....	27.3	1934-38.
East Limestone Creek at Ionia, Kans. ....	51.6	1934-35.
Elm Creek near Ionia, Kans. ....	22.7	1934-38.
Big Blue River near Crete, Nebr. ....	2,680	1945-
Big Blue River at Beatrice, Nebr. ....	3,363	1910-15; (1905-*) <sup>d</sup> /.
Big Blue River at Barnston, Nebr. ....	4,680	1932-
Big Blue River at Hull, Kans. ....	-	1919-25; 1928-40; (1919-25 <sup>**</sup> ) <sup>y</sup> /.
Big Blue River at Blue Rapids, Kans. ....	-	(1905-29*; 1931-*) <sup>d</sup> /.
Big Blue River at Randolph, Kans. ....	9,100	1918-; (1917-30 <sup>**</sup> ) <sup>y</sup> /.
Big Blue River <sup>bb</sup> / near Manhattan, Kans. ....	9,490	1895-1905; (1895-1905 <sup>**</sup> ) <sup>y</sup> /; (1888-93*; 1904-14 <sup>*</sup> ) <sup>d</sup> /.
Little Blue River at Blue Bluff, Nebr. ....	-	1912*.
Little Blue River at Angus, Nebr. ....	-	1950-
Little Blue River near Endicott (Fairbury), Nebr. ....	2,340	1908-15; 1929-; (1908- 15 <sup>**</sup> ; 1928-30 <sup>**</sup> ) <sup>y</sup> /.
Little Blue River at Waterville, Kans. ....	3,440	1922-25; 1928-; (1921-25 <sup>**</sup> ) <sup>y</sup> /.
(Red) Vermillion Creek near Wamego, Kans. ....	228	1936-46.
Soldier Creek near (at) Topeka, Kans. ....	268	1929-
Delaware River at Valley Falls, Kans. ....	922	1922-
Wakarusa River near Lawrence, Kans. ....	458	1929-
Stranger Creek near Tonganoxie, Kans. ....	406	1929-
Blue River near Kansas City, Mo. ....	188	1939-
Little Blue River near Lake City, Mo. ....	184	1948-
Crooked River near Richmond, Mo. ....	159	1948-
Wakenda Creek at Carrollton, Mo. ....	248	1948-
Grand River near Darlington, Mo. ....	<sup>e</sup> /1,150	(1929-31 <sup>*</sup> ) <sup>e</sup> /.
Grand River near Pattonsburg, Mo. ....	-	(1910-14 <sup>*</sup> ) <sup>d</sup> /.
Grand River near Gallatin, Mo. ....	2,250	1921-
Grand River near Chillicothe, Mo. ....	-	(1915-*) <sup>d</sup> /.
Grand River near Sumner, Mo. ....	6,880	1924-
Grand River at Brunswick, Mo. ....	-	(1910-14*; 1918-*) <sup>d</sup> /.

<sup>d</sup>/ In reports of United States Weather Bureau.

<sup>e</sup>/ In reports of the Missouri Geological Survey and Water Resources.

<sup>y</sup>/ 73d Cong., 2d sess., H. Doc. 195, Kansas River.

<sup>aa</sup>/ In reports of Kansas Water Commission and Kansas State Board of Agriculture.

<sup>bb</sup>/ Published as Kansas River near (at) Manhattan from 1904-12 by U. S. Weather Bureau.

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

## INDEX, PART 6, MISSOURI RIVER BASIN

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Grand River tributaries--Continued.		
East Fork Big Creek near Bethany, Mo. ....	95	1934-
Thompson (Grand) River at Davis City, Iowa .....	702	1918-25; 1941-
Thompson River at Trenton, Mo. ....	1,670	1928-; (1910-14*; 1925-*) <u>d/</u> .
Thompson River near Hickory, Mo. ....	1,700	1921-23.
Thompson River at Gee Bridge near Hickory, Mo. ....	-	(1924*) <u>e/</u> .
Weldon River near Mercer, Mo. ....	246	1939-
Weldon River at Mill Grove, Mo. ....	494	1929-
Medicine Creek near Galt, Mo. ....	225	1921-
Medicine Creek near Sturges, Mo. ....	368	1929-33.
Locust Creek near Milan, Mo. ....	225	1921-33.
Locust Creek near Linneus, Mo. ....	550	1929-
Yellow Creek near Rothville, Mo. ....	405	1929-32; 1948-
Chariton River near Centerville, Iowa .....	727	1938-
Chariton River at Novinger, Mo. ....	1,370	1931-
Chariton River at Elmer, Mo. ....	1,660	1921-30.
Chariton River near Keytesville, Mo. ....	1,950	1929-
Mussel Fork near Musselfork, Mo. ....	267	1948-
Lamine River at Clifton City, Mo. ....	598	1922-
Blackwater River at Blue Lick, Mo. ....	1,120	1922-33; 1938-
Moniteau Creek near Fayette, Mo. ....	81	1948-
Petite Saline Creek near Boonville, Mo. ....	182	1948-
Moreau River near Jefferson City, Mo. ....	531	1947-
Osage (Marias des Cygnes) River at Melvern, Kans. ....	363	1939-
Osage (Marias des Cygnes) River near Quenemo, Kans. ....	1,030	1922-38.
Osage (Marias des Cygnes) River near (at) Ottawa, Kans. ....	1,260	1902-5; 1918-; (1911-14) <u>aa/</u> .
Osage (Marias des Cygnes) River at Trading Post, Kans. ....	2,910	1921-23; 1928-
Osage River at Osceola, Mo. ....	8,220	1921-28; 1930-; (1910-33*; 1938-*) <u>d/</u> .
Osage River at Warsaw, Mo. ....	11,500	1925-31; (1917-*) <u>d/</u> .
Lake of the Ozarks near Bagnell (Osage River at Lakeside), Mo. ....	14,000	1938-40*; 1938-**; (1931- 39*; 1931-39**) <u>e/</u> ; (1932-*) <u>d/</u> .
Osage River near Bagnell, Mo. ....	14,000	1925-; (1880-1939**) <u>e/</u> .
Osage River at Tuscombia, Mo. ....	-	(1917-31*) <u>d/</u> .
Osage River near St. Thomas, Mo. ....	14,500	1931-
Salt Creek near Lyndon, Kans. ....	111	1939-
Hundred and Ten Mile (Dragoon) Creek near Quenemo, Kans. ....	321	1939-
Pottawatomie Creek near Garnett, Kans. ....	334	1939-
Pottawatomie Creek at Lane, Kans. ....	513	1929-32.
Big Bull Creek near Hillsdale, Kans. ....	-	1948-
Big Bull Creek at Paola, Kans. ....	223	1929-32.
Big Sugar Creek at Farlinville, Kans. ....	192	1929-32; 1948-
Little Osage River at Fulton, Kans. ....	-	1948-
Little Osage River at Statesbury, Mo. ....	427	1929-32.
Marmaton River near Fort Scott, Kans. ....	411	1921-25; 1929-
Sac River near Stockton, Mo. ....	1,160	1921-
Sac River near Collins, Mo. ....	1,900	1923-25.
Little Sac River near Springfield, Mo. ....	40	1927-31.
Cedar Creek near Pleasant View, Mo. ....	411	1923-26; 1948-
Pomme de Terre River at Hermitage, Mo. ....	655	1921-
South Grand River near Brownington, Mo. ....	1,660	1921-
Niangua River near Decaturville, Mo. ....	627	1930-
Niangua River near Roach, Mo. ....	698	1922-30.
Niangua Branch at Marshfield, Mo. ....	0.82	1950-
Bennett Spring at Bennett Springs (Brice), Mo. ....	-	1928-39; (1916-20) <u>e/</u> .
Hahatonka Spring at Hahatonka, Mo. ....	-	1922-26.
Maries River at Westphalia, Mo. ....	257	1947-
Gasconade River near Hazelgreen, Mo. ....	1,250	1929-; (1928-30**) <u>cc/</u> .
Gasconade River near Waynesville, Mo. ....	1,680	1921-; (1914-39) <u>e/</u> .
Gasconade River at Jerome (Arlington), Mo. ....	2,840	1903-6; 1923-; (1903-6**; 1915-30**) <u>cc/</u> ; (1885-1900*; 1905-19*) <u>d/</u> .

d/ In reports of United States Weather Bureau.

e/ In reports of the Missouri Geological Survey and Water Resources.

aa/ In reports of Kansas Water Commission and Kansas State Board of Agriculture.

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

\* Gage heights only.

\*\* Only monthly figures of discharge or contents.

# MISSOURI RIVER TRIBUTARIES

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	<u>Drainage Area</u> <u>(square miles)</u>	<u>Period of Record</u>
Missouri River tributaries--Continued.		
Gasconade River near Rich Fountain, Mo. ....	3,180	1921- ; (1915-31**)cc/.
Big Piney River (Piney Creek) near Houston, Mo. ....	-	1908-9*.
Big Piney River (Piney Creek) near Big Piney, Mo. ....	560	1921-
Big Piney River (Piney Creek) near Hooker, Mo. ....	-	1903.
Coyle Branch at Houston, Mo. ....	1.3	1949-
Little Piney Creek at Newburg, Mo. ....	200	1928-
Little Piney Creek near Arlington, Mo. ....	-	1903.
Beaver Creek near Rolla, Mo. ....	13.7	1948-
Little Beaver Creek near Rolla, Mo. ....	6.27	1947-
Loutre River at Mineola, Mo. ....	202	1947-

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

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Beaver Creek, Wyo. (tributary to North Platte River)	20	Boulder ditch, Colo.,	30
Beaver Creek, Wyo. (tributary to Popo Agie River)	11	Boulder River, Mont. (tributary to Missouri River)	4
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