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GEOLOGICAL SURVEY
W. C. MENDENHALL, Director

Water-Supply Paper 850

SUMMARY OF RECORDS OF SURFACE WATERS OF TEXAS, 1898-1937

By
C. E. ELLSWORTH

Prepared in cooperation with the
STATE OF TEXAS

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CONTENTS

	Page
Introduction	1
Cooperation	2
Bibliography	2
Records of discharge collected in Texas by agencies other than the Geological Survey	34
Maximum and minimum discharges at gaging stations	37
Maximum discharges at points other than gaging stations	48
Gaging-station records	55
Lower Mississippi River Basin	55
Arkansas River Basin	55
Canadian River near Amarillo	55
Red River Basin	55
Prairie Dog Town Fork of Red River near Canyon	55
Prairie Dog Town Fork of Red River near Estelline	55
Red River near Burkburnett	55
Red River near Denison	56
Red River at Arthur City	56
Pease River near Crowell	57
Wichita River at Wichita Falls	57
Little Wichita River near Archer City	57
Sulphur River near Darden	58
Cypress Creek near Jefferson	58
Western Gulf of Mexico basins	59
Sabine River Basin	59
Sabine River near Golden	59
Sabine River near Gladewater	59
Sabine River near Longview	59
Sabine River at Logansport, La	60
Sabine River at Sabinetown	61
Sabine River near Bon Wier	61
Sabine River near Ruliff	62
Lake Fork of Sabine River near Quitman	62
Neches River Basin	62
Neches River near Reese	62
Neches River near Diboll	63
Neches River near Rockland	63
Neches River at Evadale	64
Mud Creek at Ponta	65
Angelina River near Lufkin	65
Angelina River at Horger	65
Attoyac Bayou near Chireno	66
Ayish Bayou at San Augustine	66
Village Creek near Kountze	66
Trinity River Basin	66
West Fork of Trinity River at Bridgeport	66
West Fork of Trinity River at Lake Worth Dam above Fort Worth	67
West Fork of Trinity River at Fort Worth	68
West Fork of Trinity River at Grand Prairie	68
Trinity River at Dallas	69
Trinity River near Rosser	70
Trinity River near Oakwood	70
Trinity River at Riverside	71
Trinity River at Romayor	72
Big Sandy Creek near Bridgeport	73
Clear Fork of Trinity River at Fort Worth	73
Village Creek near Handley	73
Mountain Creek near Grand Prairie	74
Elm Fork of Trinity River near Denton	74
Elm Fork of Trinity River near Carrollton	74
Elm Fork of Trinity River near Dallas	75
Denton Creek near Roanoke	76
East Fork of Trinity River near Rockwall	76
Chambers Creek near Emhouse	76
Richland Creek near Richland	77

Page

Gaging-station records--Continued.
Western Gulf of Mexico basins--Continued.
San Jacinto River Basin..... 77
San Jacinto River near Conroe..... 77
San Jacinto River near Humble..... 77
Buffalo Bayou Basin..... 77
Buffalo Bayou at Houston..... 77
Whiteoak Bayou at Houston..... 78
Brays Bayou at Houston..... 78
Brazos River Basin..... 78
Double Mountain Fork of Brazos River near Aspermont..... 78
Brazos River at Seymour..... 79
Brazos River near Graham..... 79
Brazos River near Palo Pinto..... 79
Brazos River near Mineral Wells..... 80
Brazos River at Brazos..... 80
Brazos River near Glen Rose..... 80
Brazos River at Waco..... 81
Brazos River near Bryan..... 82
Brazos River at Rosenberg..... 83
Brazos River at Richmond..... 84
Salt Fork of Brazos River near Aspermont..... 84
Clear Fork of Brazos River at Nugent..... 84
Clear Fork of Brazos River at Fort Griffin..... 85
Clear Fork of Brazos River at Crystal Falls..... 85
Clear Fork of Brazos River near Crystal Falls..... 86
Clear Fork of Brazos River near Eliasville..... 86
Paluxy Creek at Glen Rose..... 86
Nolands River at Blum..... 87
Aquilla Creek near Aquilla..... 87
North Bosque River near Clifton..... 87
South Bosque River near Speegleville..... 88
Deer Creek at Chilton..... 88
Leon River near Hamilton..... 88
Leon River near Belton..... 89
Little River near Little River..... 89
Little River at Cameron..... 89
Cowhouse Creek near Killeen..... 90
Lampasas River at Youngsport..... 90
San Gabriel River at Georgetown..... 91
San Gabriel River at Circleville..... 91
Brushy Creek at Coupland..... 92
Big Elm Creek near Temple..... 92
Big Elm Creek near Buckholts..... 92
North Elm Creek near Ben Arnold..... 92
Yegua Creek near Somerville..... 92
Navasota River near Easterly..... 93
Brazos Valley Irrigation Co.'s canal near Fulshear..... 93
Richmond Irrigation Co.'s canal near Richmond..... 94
Colorado River Basin..... 94
Colorado River at Colorado..... 94
Colorado River near Robert Lee..... 94
Colorado River near Bronte..... 94
Colorado River at Ballinger..... 95
Colorado River near Milburn..... 96
Colorado River near San Saba..... 96
Colorado River near Tow..... 97
Colorado River at Marble Falls..... 97
Colorado River at Austin..... 98
Colorado River at Smithville..... 99
Colorado River at Columbus..... 100
Colorado River near Eagle Lake..... 101
Colorado River at Wharton..... 101
Deep Creek near Snyder..... 101
Elm Creek at Ballinger..... 102
South Concho River at Christoval..... 102
South Concho River at San Angelo..... 102
Concho River near San Angelo..... 103
Concho River near Paint Rock..... 104
Middle Concho River near Tankersly..... 104
Spring Creek near Tankersly..... 105
North Concho River near Carlsbad..... 105
North Concho River at San Angelo..... 106

Page

Gaging-station records--Continued.
Western Gulf of Mexico basins--Continued.
Colorado River Basin--Continued.
Pecan Bayou at Brownwood..... 106
San Saba River at Menard..... 107
San Saba River at San Saba..... 108
Noyes Canal at Menard..... 108
North Llano River near Junction..... 109
Llano River near Junction..... 110
Llano River near Castell..... 111
Pedernales River at Stonewall..... 111
Pedernales River near Spicewood..... 112
Barton Creek at Austin..... 112
Barton Springs at Austin..... 113
Mill Spring at Austin..... 115
Little Walnut Creek near Austin..... 116
Onion Creek near Del Valle..... 116
Guadalupe River Basin..... 116
Guadalupe River near Comfort..... 116
Guadalupe River near Spring Branch..... 117
Guadalupe River above Comal River at New Braunfels..... 117
Guadalupe River at New Braunfels..... 118
Guadalupe River near Gonzales..... 118
Guadalupe River near Cuero..... 119
Guadalupe River below Cuero..... 119
Guadalupe River at Victoria..... 120
Comal River at New Braunfels..... 120
Comal Springs at New Braunfels..... 121
San Marcos River at San Marcos..... 121
San Marcos River at Ottine..... 122
San Marcos Springs at San Marcos..... 123
Blanco River at Wimberley..... 124
Plum Creek near Lockhart..... 124
Plum Creek near Luling..... 124
Peach Creek near Dilworth..... 125
Sandies Creek near Westhoff..... 125
Coleto Creek near Schroeder..... 125
San Antonio River at San Antonio..... 125
San Antonio River at Calaveras..... 126
San Antonio River near Falls City..... 126
San Antonio River at Goliad..... 127
San Pedro Creek at San Antonio..... 127
Medina River near Pipe Creek..... 128
Medina River near Riomedina..... 128
Medina River seepage past station near Riomedina..... 129
Medina canal near Riomedina..... 129
Cibolo Creek at Sutherland Springs..... 130
Cibolo Creek near Falls City..... 130
Nueces River Basin..... 130
Nueces River at Laguna..... 130
Nueces River near Uvalde..... 131
Nueces River near Cinonia..... 131
Nueces River near Cotulla..... 132
Nueces River at Cotulla..... 132
Nueces River near Three Rivers..... 133
Nueces River at Calallen..... 133
Frio River at Concan..... 134
Frio River near Frio Town..... 134
Frio River near Derby..... 134
Frio River at Fowlerton..... 135
Frio River at Calliham..... 135
Leona River near Divot..... 136
Frio Lake outlet near Fowlerton..... 136
Atascosa River at Whitsett..... 136
Rio Grande Basin..... 137
Pecos River near Angeles..... 137
Pecos River near Porterville..... 137
Pecos River 9 miles above Barstow..... 138
Pecos River above Barstow..... 138
Pecos River near Pecos..... 138
Pecos River near Barstow..... 139

Page

Gaging-station records--Continued.
Western Gulf of Mexico basins--Continued.
Rio Grande Basin--Continued.
Pecos River near Grandfalls..... 139
Pecos River near Buena Vista..... 139
Pecos River near Sheffield..... 139
Delaware River near Angeles..... 140
Farmers independent canal near Porterville..... 140
Margueretta flume near Pecos..... 140
Boxley canal near Barstow..... 140
Barstow canal near Barstow..... 140
Madera Canyon near Toyahvale..... 141
Phantom Lake Spring near Toyahvale..... 141
Giffin Springs at Toyahvale..... 141
San Solomon Springs at Toyahvale..... 141
West Sandia Spring at Balmorhea..... 141
East Sandia Spring at Balmorhea..... 141
Limpia Creek near Fort Davis..... 142
Barrilla Creek near Saragosa..... 142
Grandfalls-Big Valley canal near Barstow..... 142
Imperial high-line canal near Grandfalls..... 142
Imperial low-line canal near Grandfalls..... 143
Devils River near Juno..... 143
Index..... 145

SUMMARY OF RECORDS OF SURFACE WATERS OF TEXAS, 1898-1937

By C. E. Ellsworth

INTRODUCTION

The first gaging station in Texas was established on the Rio Grande at El Paso on May 10, 1889, under the provisions of the Act of Congress of October 2, 1888, which authorized the organization of the Irrigation Survey by the United States Geological Survey. A few miscellaneous measurements of streams in central Texas, between Del Rio and Austin, were made by C. C. Babb of the Geological Survey in 1894, 1895, and 1896. In 1897 T. U. Taylor, professor of civil engineering at the University of Texas, at Austin, began a systematic study for the Geological Survey of as many of the principal streams as the limited funds would permit. In the same year the American section of the International Water Commission began collecting records of flow of the Rio Grande in Texas. Records for the Rio Grande and some of its tributaries from 1897 to 1913, inclusive, collected by that commission under the immediate direction of W. W. Follett, United States consulting engineer, are contained in Geological Survey Water-Supply Paper 358. It was not until 1915, when the State Legislature appropriated funds for stream-measurement investigations by the Texas Board of Water Engineers, that a substantial beginning toward the systematic collection of stream-flow records was made. The work has been continued and enlarged gradually so that records have been collected at about 230 stations in Texas. In September 1937 86 gaging stations were being maintained in Texas by the Geological Survey and the cooperating agencies. Many miscellaneous discharge measurements have been made at other points. The records collected by the Geological Survey from 1889 to 1937 are now scattered through more than 50 reports, many of which are out of print.

The purpose of this report is to bring together in one volume in the form of summaries of monthly discharge all stream-flow records

collected in Texas prior to October 1, 1937. This report, however, does not contain any records for stations on the Rio Grande or for the following stations on its tributaries: Pecos River near Comstock, Devils River near Del Rio and at Devils River, and Pinto Creek near Del Rio. Stations on the Rio Grande and some of its tributaries have been maintained by the United States section of the International Boundary Commission since July 1, 1931, and the records are contained in the reports of that commission.

A few records herein are published for the first time. Most of these new records precede records previously published by the Geological Survey and are for the most part based on gage heights obtained by the U. S. Weather Bureau prior to the establishment of the gaging station by the Geological Survey. Footnotes to the tables of discharge show the extent of these additions.

COOPERATION

On July 8, 1915, the Texas Board of Water Engineers entered into its first agreement with the United States Geological Survey for cooperative investigation of the water resources of the State. These cooperative investigations have been continued to date.

In the execution of the work many municipal and private organizations and other Federal bureaus have cooperated, either by furnishing data or by assisting in collecting data. Acknowledgment for cooperation is given in the annual series of water-supply papers.

BIBLIOGRAPHY

The data in this report are condensed and summarized to make them readily available for reference. For detailed information of daily flow, run-off in acre-feet, location of station, and station equipment, reference should be made to the publications listed below. Records in these reports were published for calendar years prior to 1913 and for water years ending September 30 thereafter. The last six reports in this bibliography with one exception relate to floods in Texas.

Such of these publications as are in print may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C., who will, on application, furnish lists giving prices; or they

may be consulted at the Geological Survey local office, Austin, Tex., at the Geological Survey local offices in other States, and at the public libraries in the principal cities.

Bibliography of hydrometric data

Publications of the Geological Survey are indicated by the following abbreviations: A, Annual Report; B, Bulletin; W, Water-Supply Paper. An asterisk (*) indicates that the records in the report have been revised in later reports. A dagger (†) indicates that the records do not include monthly discharge. Two daggers (††) indicate that the peak discharge (or maximum recorded discharge, as the case may be) or date of its occurrence has been revised in the later report. Two double daggers (‡‡) indicate that minimum discharge has been revised in the later report. A double dagger (‡) indicates that records prior to 1913 in the Rio Grande Basin as published in Water-Supply Paper 358 supersede those published in earlier reports. A double asterisk (**) indicates records published in water bulletins of the International Boundary Commission, United States and Mexico.

Gaging station	Year	Publication
Lower Mississippi River Basin		
Canadian River near Amarillo.....	1924	W 587, p. 97.
	1924-25	W 607, p. 88.
Canadian River near Canadian.....	1924	†W 587, p. 99.
	1924-25	†W 607, p. 89.
Prairie Dog Town Fork of Red River near Canyon.	1924	W 587, p. 100.
	1924-25	W 607, p. 91.
	1925-26	W 627, p. 85.
Prairie Dog Town Fork of Red River near Estelline.	1924	W 587, p. 102.
	1924-25	W 607, p. 92.
Red River near Burkburnett.....	1924	W 587, p. 103.
	1924-25	W 607, p. 94.
Red River near Colbert, Okla..... (Published as Red River near Denison, Tex., prior to 1935.)	1923-24	W 587, p. 104.
	1924-25	W 607, p. 95.
	1925-26	W 627, p. 86.
	1926-27	W 647, p. 87.
	1927-28	W 667, p. 66.
	1928-29	W 687, p. 68.
	1929-30	W 702, p. 95.
	1930-31	W 718, p. 89.
	1931-32	W 732, p. 121.
	1932-33	W 747, p. 108.
	1933-34	W 762, p. 117.
	1934-35	W 787, p. 137.
	1935-36	W 807, p. 132.
	1936-37	W 827, p. 142.
Red River at Arthur City.....	1905	†W 173, p. 72.
	1906	W 209, p. 50.
	1907-11	W 307, p. 79.
Pease River near Crowell.....	1924	W 587, p. 106.
	1924-25	W 607, p. 96.
	1925-26	W 627, p. 88.
	1926-27	W 647, p. 88.
	1927-28	†W 667, p. 68.
	1928-29	†W 687, p. 71.
	1929-30	W 702, p. 97.
	1930-31	W 717, p. 91.
	1931-32	W 732, p. 122.
	1932-33	†W 747, p. 109.
	1933-34	†W 762, p. 119.
	1934-35	†W 787, p. 138.
	1935-36	†W 807, p. 133.
	1936-37	W 827, p. 143.
Wichita River at Wichita Falls.....	1900-1902	Irrigation investigations in 1900 to 1902, U. S. Department of Agriculture, by J. C. Nagle.
	1910	†W 287, p. 84.
	1911	†W 307, p. 83.
Little Wichita River near Archer City..	1932-33	*W 747, p. 109; W 827, p. 144.
	1933-34	*W 762, p. 119; W 827, p. 144.
	1934-35	*W 787, p. 139; W 827, p. 144.
	1935-37	W 827, p. 144.
Sulphur River near Darden.....	1923-24	W 587, p. 110.
	1924-25	W 607, p. 102.
	1925-26	W 627, p. 90.
	1926-27	W 647, p. 90.
	1927-28	W 667, p. 91.
	1928-29	W 687, p. 75.
	1929-30	W 702, p. 106.
	1930-31	W 717, p. 102.
	1931-32	W 732, p. 126.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Sulphur River near Darden--(Continued).	1932-33	W 747 p. 113.
	1933-34	W 762, p. 122.
	1934-35	W 787, p. 142.
	1935-36	W 807, p. 136.
	1936-37	W 827, p. 161.
Cypress Creek near Jefferson.....	1924	W 587, p. 112.
	1924-25	W 607, p. 103.
	1925-26	W 627, p. 92.
	1926-27	W 647, p. 91.
	1927-28	W 667, p. 72.
	1928-29	W 687, p. 76.
	1929-30	W 702, p. 107.
	1930-31	W 717, p. 103.
	1931-32	W 732, p. 127.
	1932-33	W 747, p. 114.
	1933-34	W 762, p. 123.
	1934-35	W 787, p. 143.
	1935-36	W 807, p. 137.
	1936-37	W 827, p. 162.
Western Gulf of Mexico basins		
Sabine River near Golden.....	1924	W 588, p. 14.
	1924-25	W 608, p. 13.
	1925-26	†W 628, p. 10.
Sabine River near Gladewater.....	1932-33	W 748, p. 11.
	1933-34	W 763, p. 11.
	1934-35	W 788, p. 15.
	1935-36	W 808, p. 16.
	1936-37	W 828, p. 11.
Sabine River near Longview.....	1904	W 132, p. 19.
	1905	W 174, p. 13.
	1906	W 210, p. 22.
	1923-24	W 588, p. 15.
	1924-25	W 608, p. 15.
	1925-26	W 628, p. 11.
	1926-27	W 648, p. 10.
	1927-28	W 668, p. 11.
	1928-29	W 688, p. 11.
	1929-30	W 703, p. 11.
	1930-31	W 718, p. 11.
	1931-32	W 733, p. 11.
Sabine River at Logansport, La.....	1903-6	*W 210, p. 24; W 850, p. 60.
	1907-23	Not previously published (see W 850, p. 60).
	1923-24	W 588, p. 17.
	1924-25	‡‡W 608, p. 17; W 628, p. 13.
	1925-26	W 628, p. 13.
	1926-27	W 648, p. 11.
	1927-28	W 668, p. 11.
	1928-29	W 688, p. 12.
	1929-30	W 703, p. 11.
	1930-31	W 718, p. 12.
	1931-32	W 733, p. 13.
	1932-33	W 748, p. 12.
	1933-34	W 763, p. 12.
	1934-35	W 788, p. 16.
	1935-36	W 808, p. 17.
	1936-37	W 828, p. 12.
Sabine River at Sabinetown.....	1923-24	W 588, p. 18.
	1924-25	W 608, p. 19.
Sabine River near Bon Wier.....	1923-24	W 588, p. 20.
	1924-25	W 608, p. 20.
	1925-26	W 628, p. 14.
	1926-27	W 648, p. 11.
	1927-28	W 668, p. 12.
	1928-29	W 688, p. 12.
	1929-30	W 703, p. 12.
	1930-31	W 718, p. 13.
	1931-32	W 733, p. 14.
	1932-33	W 748, p. 13.
	1933-34	W 763, p. 13.
Sabine River near Ruliff.....	1924-25	W 608, p. 22.
	1925-26	W 628, p. 15.
	1926-27	W 648, p. 12.
	1927-28	W 668, p. 13.
	1928-29	W 688, p. 13.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Sabine River near Ruliff--(Continued)..	1929-30	W 703, p. 13.
	1930-31	W 718, p. 14.
	1931-32	W 733, p. 15.
	1932-33	W 748, p. 14.
	1933-34	W 763, p. 14.
	1934-35	W 786, p. 17.
	1935-36	W 808, p. 18.
	1936-37	W 828, p. 13.
Lake Fork of Sabine River near Quitman	1924	W 588, p. 21.
	1924-25	W 608, p. 23.
	1925-26	W 628, p. 16.
Neches River near Reese.....	1924	W 588, p. 23.
	1924-25	W 608, p. 25.
	1925-26	W 628, p. 18.
	1926-27	W 648, p. 13.
Neches River near Diboll.....	1923-24	W 588, p. 24.
	1924-25	W 608, p. 26.
Neches River near Rockland.....	1903-23	Not previously published (see W 850 p. 63).
	1923-24	W 588, p. 25.
	1924-25	W 608, p. 28.
	1925-26	W 628, p. 19.
	1926-27	W 648, p. 14.
	1927-28	W 668, p. 14.
	1928-29	W 688, p. 14.
	1929-30	W 703, p. 14.
	1930-31	W 718, p. 15.
	1931-32	W 733, p. 16.
	1932-33	W 748, p. 15.
	1933-34	W 763, p. 15.
	1934-35	W 788, p. 18.
	1935-36	W 808, p. 19.
	1936-37	W 828, p. 14.
Neches River at Evadale.....	1904	†W 132, p. 23.
	1904-5	W 174, p. 15.
	1906	W 210, p. 28.
	1923-24	W 588, p. 27.
	1924-25	W 608, p. 29.
	1925-26	W 628, p. 20.
	1926-27	W 648, p. 15.
	1927-28	W 668, p. 15.
	1928-29	*W 688, p. 15; W 718, p. 16.
	1929-30	††W 703, p. 15; W 718, p. 16.
	1930-31	W 718, p. 16.
	1931-32	W 733, p. 17.
	1932-33	W 748, p. 16.
	1933-34	W 763, p. 16.
	1934-35	W 788, p. 19.
	1935-36	W 808, p. 20.
	1936-37	W 828, p. 15.
Mud Creek at Ponta.....	1924	W 588, p. 29.
	1924-25	W 608, p. 31.
	1925-26	W 628, p. 22.
	1926-27	W 648, p. 16.
Angelina River near Lufkin.....	1923-24	*W 588, p. 30; W 718, p. 18.
	1924-25	W 608, p. 32.
	1925-26	*W 628, p. 23; W 718, p. 18.
	1926-27	W 648, p. 17.
	1927-28	W 668, p. 16.
	1928-29	W 688, p. 16.
	1929-30	W 703, p. 16.
	1930-31	W 718, p. 18.
	1931-32	W 733, p. 18.
	1932-33	W 748, p. 17.
	1933-34	W 763, p. 17.
Angelina River at Horger.....	1928	††W 668, p. 17; W 828, p. 16.
	1928-29	W 688, p. 17.
	1929-30	W 703, p. 17.
	1930-31	W 718, p. 21.
	1931-32	W 733, p. 19.
	1932-33	W 748, p. 18.
	1933-34	W 763, p. 18.
	1934-35	W 788, p. 20.
	1935-36	W 808, p. 21.
	1936-37	W 828, p. 16.
Attoyac Bayou near Chireno.....	1924	W 588, p. 31.
	1924-25	W 608, p. 34.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Ayish Bayou at San Augustine.....	1924	W 588, p. 33.
	1924-25	W 608, p. 35.
Village Creek(Neches River Basin) near Kountze.	1924	W 588, p. 34.
	1924-25	W 608, p. 37.
	1925-26	W 628, p. 24.
	1926-27	W 648, p. 18.
West Fork of Trinity River at Bridgeport. (Published as Trinity River at Bridgeport prior to 1917.)	1908-14	Not previously published (see W 850, p. 66).
	1914-15	W 408, p. 12.
	1915-16	W 438, p. 13.
	1916-17	W 458, p. 10.
	1917-18	W 478, p. 6.
	1918-20	W 508, p. 6.
	1920-21	W 528, p. 10.
	1921-22	W 548, p. 12.
	1922-23	W 568, p. 10.
	1923-24	W 588, p. 35.
	1924-25	W 608, p. 38.
	1925-26	W 628, p. 25.
	1926-27	W 648, p. 19.
	1927-28	W 668, p. 18.
	1928-29	W 688, p. 18.
	1929-30	W 703, p. 18.
West Fork of Trinity River at Lake Worth Dam above Fort Worth.	1923-24	W 588, p. 37.
	1924-25	W 608, p. 40.
	1925-26	W 628, p. 27.
	1926-27	W 648, p. 20.
	1927-28	W 668, p. 19.
	1928-29	W 688, p. 19.
	1929-30	W 703, p. 18.
	1930-31	W 718, p. 22.
	1931-32	W 733, p. 20.
	1932-33	W 748, p. 19.
	1933-34	W 763, p. 19.
West Fork of Trinity River at Fort Worth.	1920-21	W 528, p. 12.
	1921-22	W 548, p. 13.
	1922-23	W 568, p. 11.
	1923-24	W 588, p. 38.
	1924-25	W 608, p. 41.
	1925-26	W 628, p. 28.
	1926-27	W 648, p. 21.
	1927-28	W 668, p. 20.
	1928-29	W 688, p. 20.
	1929-30	W 703, p. 19.
	1930-31	W 718, p. 23.
	1931-32	W 733, p. 21.
	1932-33	W 748, p. 20.
	1933-34	W 763, p. 20.
	1934-35	W 788, p. 21.
	1935-36	W 808, p. 22.
	1936-37	W 828, p. 17.
West Fork of Trinity River at Grand Prairie.	1925	*W 608, p. 42; W 628, p. 31.
	1925-26	W 628, p. 29.
	1926-27	W 648, p. 22.
	1927-28	W 668, p. 21.
	1928-29	W 688, p. 21.
	1929-30	W 703, p. 20.
	1930-31	W 718, p. 24.
	1931-32	W 733, p. 22.
	1932-33	W 748, p. 21.
	1933-34	W 763, p. 21.
	1934-35	W 788, p. 22.
	1935-36	W 808, p. 23.
	1936-37	W 828, p. 18.
Trinity River at Dallas.....	1898	†W 28, pp. 118, 121.
	1899	†W 37, p. 271.
	1903-6	*W 210, p. 29; W 850, p.69.
	1907-20	Not previously published (see W 850, p. 69).
	1920-21	W 528, p. 14.
	1921-22	W 548, p. 16.
	1922-23	W 568, p. 13.
	1923-24	W 588, p. 40.
	1924-25	W 608, p. 44.
	1925-26	W 628, p. 31.
	1926-27	W 648, p. 23.
	1927-28	W 668, p. 22.

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Gaging station	Year	Publication
Trinity River at Dallas--(Continued)...	1928-29	W 688, p. 22.
	1929-30	W 703, p. 21.
	1930-31	W 718, p. 25.
	1931-32	W 733, p. 23.
	1932-33	W 748, p. 22.
	1933-34	W 763, p. 22.
	1934-35	W 788, p. 23.
	1935-36	W 808, p. 24.
	1936-37	W 828, p. 19.
Trinity River near Rosser.....	1924	W 588, p. 42.
	1924-25	†W 608, p. 45.
Trinity River near Oakwood.....	1905-23	Not previously published (see W 850, p. 70).
	1923-24	W 588, p. 43.
	1924-25	W 608, p. 47.
	1925-26	W 628, p. 33.
	1926-27	W 648, p. 24.
	1927-28	W 668, p. 23.
	1928-29	W 688, p. 23.
	1929-30	W 703, p. 22.
	1930-31	W 718, p. 26.
	1931-32	W 733, p. 24.
	1932-33	W 748, p. 23.
	1933-34	W 763, p. 23.
	1934-35	W 788, p. 24.
	1935-36	W 808, p. 25.
	1936-37	W 828, p. 20.
Trinity River at Riverside.....	1903	W 99, p. 322.
	1904	W 132, p. 25.
	1905	W 174, p. 17.
	1906	W 210, p. 33.
	1923-24	W 588, p. 44.
	1924-25	W 608, p. 48.
	1925-26	W 628, p. 35.
	1926-27	W 648, p. 25.
	1927-28	W 668, p. 24.
	1928-29	W 688, p. 23.
	1929-30	W 703, p. 23.
	1930-31	W 718, p. 27.
	1931-32	W 733, p. 25.
	1932-33	W 748, p. 24.
	1933-34	W 763, p. 24.
	1934-35	W 788, p. 25; W 828, p. 21.
	1935-36	W 808, p. 26.
	1936-37	W 828, p. 21.
Trinity River at Romayor.....	1924	W 588, p. 46.
	1924-25	W 608, p. 50.
	1925-26	W 628, p. 36.
	1926-27	W 648, p. 26.
	1927-28	W 668, p. 25.
	1928-29	W 688, p. 24.
	1929-30	W 703, p. 24.
	1930-31	W 718, p. 28.
	1931-32	W 733, p. 26.
	1932-33	W 748, p. 25.
	1933-34	W 763, p. 25.
	1934-35	W 788, p. 26.
	1935-36	W 808, p. 27.
	1936-37	W 828, p. 22.
Clear Fork of Trinity River at Fort Worth.	1924	W 588, p. 47.
	1924-25	W 608, p. 51.
	1925-26	W 628, p. 37.
	1926-27	W 648, p. 27.
	1927-28	W 668, p. 26.
	1928-29	W 688, p. 25.
	1929-30	W 703, p. 25.
	1930-31	W 718, p. 29.
	1931-32	W 733, p. 27.
	1932-33	W 748, p. 26.
	1933-34	W 763, p. 26.
	1934-35	W 788, p. 27.
	1935-36	W 808, p. 28.
	1936-37	W 828, p. 24.
Village Creek (Trinity River Basin) near Handley.	1925-26	W 628, p. 38.
	1926-27	W 648, p. 28.
	1927-28	W 668, p. 26.
	1928-29	W 688, p. 26.
	1929-30	W 703, p. 26.

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Gaging station	Year	Publication
Mountain Creek near Grand Prairie.....	1925	W 608, p. 53.
	1925-26	W 628, p. 40.
	1926-27	W 648, p. 28.
	1927-28	W 668, p. 27.
	1928-29	W 688, p. 26.
	1929-30	W 703, p. 26.
	1930-31	W 718, p. 30.
	1931-32	W 733, p. 28.
	1932-33	W 748, p. 27.
Elm Fork of Trinity River near Denton..	1923-24	W 588, p. 48.
	1924-25	W 608, p. 54.
	1925-26	W 628, p. 42.
	1926-27	W 648, p. 29.
Elm Fork of Trinity River near Carrollton.	1923-24	*W 588, p. 50; W 788, p. 28.
	1924-25	W 608, p. 56.
	1925-26	W 628, p. 44.
	1926-27	W 648, p. 30.
	1927-28	W 668, p. 28.
	1928-29	W 688, p. 27.
	1929-30	W 703, p. 27.
	1930-31	W 718, p. 31.
	1931-32	W 733, p. 29.
	1932-33	W 748, p. 28.
	1933-34	W 763, p. 27.
	1934-35	W 788, p. 28.
	1935-36	W 808, p. 29.
	1936-37	W 828, p. 25.
Elm Fork of Trinity River near Dallas..	1907-20	Not previously published (see W 850, p. 75).
	1920-21	W 528, p. 16.
	1921-22	W 548, p. 18.
	1922-23	W 568, p. 16.
	1923-24	W 588, p. 51.
	1924-25	W 608, p. 57.
	1925-26	W 628, p. 45.
	1926-27	W 648, p. 31.
	1927-28	W 668, p. 29.
Denton Creek near Roanoke.....	1923-24	*W 588, p. 53; W 628, p. 47.
	1924-25	*W 608, p. 58; W 628, p. 47.
	1925-26	W 628, p. 47.
	1926-27	W 648, p. 32.
East Fork of Trinity River near Rockwall.	1923-24	W 588, p. 54.
	1924-25	W 608, p. 60.
	1925-26	W 628, p. 49.
	1926-27	W 648, p. 33.
	1927-28	W 668, p. 31.
	1928-29	W 688, p. 28.
	1929-30	W 703, p. 28.
	1930-31	W 718, p. 32.
	1931-32	W 733, p. 30.
	1932-33	W 748, p. 29.
	1933-34	W 763, p. 28.
	1934-35	W 788, p. 29.
	1935-36	W 808, p. 30.
	1936-37	W 828, p. 26.
Chambers Creek near Emhouse.....	1924-25	W 608, p. 61.
Richland Creek near Richland.....	1924-25	W 608, p. 63.
San Jacinto River near Conroe.....	1924	W 588, p. 56.
	1924-25	W 608, p. 63.
	1925-26	W 628, p. 51.
	1926-27	W 648, p. 34.
San Jacinto River near Humble.....	1928-29	W 688, p. 29.
	1929-30	W 703, p. 29.
	1930-31	W 718, p. 33.
	1931-32	W 733, p. 31.
	1932-33	W 748, p. 30.
	1933-34	W 763, p. 29.
	1934-35	W 788, p. 30.
	1935-36	W 808, p. 31.
	1936-37	W 828, p. 27.
Buffalo Bayou at Houston.....	1936-37	W 828, p. 28.
Whiteoak Bayou at Houston.....	1936	W 808, p. 32.
	1936-37	W 828, p. 30.
Brays Bayou at Houston.....	1936	W 808, p. 33.
	1936-37	W 828, p. 31.

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Double Mountain Fork of Brazos River near Aspermont.	1923-24	W 588, p. 57.
	1924-25	W 608, p. 65.
	1925-26	W 628, p. 52.
	††1926-27	W 648, p. 35; W 733, p. 32.
	1927-28	W 668, p. 32.
	1928-29	W 688, p. 30.
	1929-30	W 703, p. 30.
	1930-31	W 718, p. 34.
	1931-32	W 733, p. 32.
	1932-33	W 748, p. 31.
	1933-34	W 763, p. 30.
Brazos River at Seymour.....	1923-24	*W 588, p. 59; W 808, p. 34.
	1924-25	*W 608, p. 66; W 808, p. 34.
	1925-26	*W 628, p. 54; W 808, p. 34.
	1926-27	*W 648, p. 36; W 808, p. 34.
	1927-28	*W 668, p. 32; W 808, p. 34.
	1928-29	*W 688, p. 31; W 808, p. 34.
	1929-30	W 703, p. 30.
	1930-31	W 718, p. 35.
	1931-32	W 733, p. 33.
	1932-33	W 748, p. 31.
	1933-34	W 763, p. 30.
	1934-35	W 788, p. 31.
	1935-36	W 808, p. 34.
	1936-37	W 828, p. 32.
Brazos River near Graham.....	1915-16	W 438, p. 15.
	1916-17	W 458, p. 12.
	1917-18	W 478, p. 8.
	1918-20	W 508, p. 9.
Brazos River near Palo Pinto.....	1933-35	W 788, p. 32.
	1935-36	W 808, p. 37.
	1936-37	W 828, p. 33.
Brazos River near Mineral Wells.....	1924	W 588, p. 60.
	1924-25	W 608, p. 67.
	1925-26	W 628, p. 55.
	1926-27	W 648, p. 37.
	1927-28	W 668, p. 33.
	1928-29	W 688, p. 32.
	1929-30	W 703, p. 31.
	1930-31	W 718, p. 36.
	1931-32	W 733, p. 34.
	1932-33	W 748, p. 32.
Brazos River at Brazos.....	1914-15	†W 408, p. 14.
	1915-16	W 438, p. 17.
	1916-17	W 458, p. 14.
	1917-18	W 478, p. 10.
	1918-19	W 508, p. 10.
	1920	†W 508, p. 10.
Brazos River near Glen Rose.....	1923-24	W 588, p. 62.
	1924-25	W 608, p. 69.
	1925-26	W 628, p. 57.
	1926-27	W 648, p. 38.
	1927-28	W 668, p. 34.
	1928-29	W 688, p. 33.
	1929-30	W 703, p. 32.
	1930-31	W 718, p. 37.
	1931-32	W 733, p. 35.
	1932-33	W 748. p. 34.
	1933-34	W 763, p. 31.
	1934-35	W 788, p. 34.
	1935-36	W 808, p. 38.
	1936-37	W 828, p. 34.
Brazos River at Waco.....	1898	†W 28, pp. 118, 121; *W 75, p. 150; W 850, p. 81.
	1899	†W 37, p. 272; *W 75, p. 150; W 850, p. 81.
	1899-1903	W 105, p. 72 (record in error).
	1900	†W 50, p. 333; *W 75, p. 150; W 850, p. 81.
	1901	†W 66, p. 58; *W 75, p. 150; W 850, p. 81.
	1902	*W 84, p. 143; W 850, p. 81.
	1903	*W 99, p. 325; W 850, p. 81.
	1904	*W 132, p. 28; W 850, p. 81.
	1905	*W 174, p. 19; W 850, p. 81.
	1906	W 210, p. 34.

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Gaging station	Year	Publication
Brazos River at Waco--(Continued).....	1907-10	*W 288, p. 20; W 850, p. 81.
	1911	W 308, p. 14.
	1912-14	Not previously published (see W 850, p. 81).
	1914-15	W 408, p. 15.
	1915-16	W 438, p. 18.
	1916-17	W 458, p. 16.
	1917-18	W 478, p. 11.
	1918-20	W 508, p. 12.
	1920-21	W 528, p. 18.
	1921-22	W 548, p. 19.
	1922-23	W 568, p. 18.
	1923-24	W 588, p. 63.
	1924-25	W 608, p. 70.
	1925-26	W 628, p. 58.
	1926-27	W 648, p. 39.
	1927-28	W 668, p. 35.
	1928-29	W 688, p. 34.
	1929-30	W 703, p. 33.
	1930-31	W 718, p. 38.
	1931-32	W 733, p. 36.
	1932-33	W 748, p. 35.
	1933-34	W 763, p. 32.
	1934-35	W 788, p. 35.
	1935-36	W 808, p. 39.
	1936-37	W 828, p. 35.
Brazos River at Lewis.....	1898	†W 28, p. 121.
	1899	†W 37, p. 273.
Brazos River near Bryan.....	1925-26	*W 628, p. 60; W 850, p. 82.
	1926-27	W 648, p. 40.
	1927-28	W 668, p. 36.
	1928-29	W 688, p. 35.
	1929-30	W 703, p. 34.
	1930-31	W 718, p. 39.
	1931-32	W 733, p. 37.
	1932-33	W 748, p. 36.
	1933-34	W 763, p. 33.
	1934-35	W 788, p. 36.
	1935-36	W 808, p. 40.
	1936-37	W 828, p. 36.
Brazos River near College Station..... (Published herein as Brazos River near Bryan.)	1918	W 478, p. 14.
	1918-20	W 508, p. 15.
	1920-21	*W 528, p. 20; W 850, p. 82.
	1921-22	W 548, p. 22.
	1922-23	W 568, p. 20.
	1923-24	W 588, p. 65.
	1924-25	*W 608, p. 72; W 850, p. 82.
Brazos River at Rosenberg.....	1922-23	W 568, p. 22.
	1923-24	W 588, p. 66.
	1924-25	††W 608, p. 74; W 628, p. 61.
	1925-26	W 628, p. 61.
	1926-27	W 648, p. 41.
	1927-28	W 668, p. 37.
	1928-29	W 688, p. 36.
	1929-30	W 703, p. 35.
	1930-31	W 718, p. 40.
Brazos River at Richmond.....	1903	W 99, p. 329; W 105, p. 75 (record in error).
	1904	W 132, p. 32.
	1905	W 174, p. 21.
	1906	W 210, p. 35.
	1931	W 718, p. 41.
	1931-32	W 733, p. 38.
	1932-33	W 748, p. 37.
	1933-34	W 763, p. 34.
	1934-35	W 788, p. 37.
	1935-36	W 808, p. 41.
	1936-37	W 828, p. 37.
Salt Fork of Brazos River near Aspermont.	1923-24	W 588, p. 68.
	1924-25	W 608. p. 75.
Clear Fork of Brazos River at Nugent...	1924	W 588, p. 69.
	1924-25	W 608, p. 76.
	1925-26	W 628, p. 63.
	1926-27	W 648, p. 42.
	1927-28	W 668, p. 38.
	1928-29	W 688, p. 37.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Clear Fork of Brazos River at Nugent--(Continued).	1929-30	W 703, p. 36.
	1930-31	W 718, p. 42.
	1931-32	W 733, p. 39.
	1932-33	W 748, p. 38.
	1933-34	W 763, p. 35.
	1934-35	W 788, p. 38.
	1935-36	W 808, p. 42.
	1936-37	W 828, p. 38.
Clear Fork of Brazos River at Fort Griffin.	1923-24	W 588, p. 71.
	1924-25	W 608, p. 78.
	1925-26	W 628, p. 64.
	1926-27	W 648, p. 43.
	1927-28	W 668, p. 39.
	1928-29	W 688, p. 38.
	1929-30	W 703, p. 37.
	1930-31	W 718, p. 43.
	1931-32	W 733, p. 40.
	1932-33	W 748, p. 39.
	1933-34	W 763, p. 38.
	1934-35	W 788, p. 39.
	1935-36	W 808, p. 43.
	1936-37	W 828, p. 39.
Clear Fork of Brazos River at Crystal Falls.	1921-22	†W 548, p. 23.
	1922-23	W 568, p. 23.
	1923-24	W 588, p. 72.
	1924-25	W 608, p. 79.
	1925-26	W 628, p. 66.
	1926-27	W 648, p. 44.
	1927-28	W 668, p. 40.
	1928-29	W 688, p. 39.
Clear Fork of Brazos River near Crystal Falls.	1928	W 668, p. 41.
	1928-29	W 688, p. 40.
	1929-30	W 703, p. 38.
	1930-31	W 718, p. 44.
	1931-32	W 733, p. 41.
	1932-33	W 748, p. 40.
	1933-34	W 763, p. 37.
	1934-35	W 788, p. 40.
	1935-36	W 808, p. 44.
	1936-37	W 828, p. 40.
Clear Fork of Brazos River near Eliasville.	1915-16	*W 438, p. 21; W 458, p. 18.
	1916-17	W 458, p. 18.
	1917-18	W 478, p. 16.
	1918-20	W 508, p. 18.
	1923-24	†W 588, p. 74.
	1924-25	W 608, p. 81.
Palo Pinto Creek near Santo.....	1924-25	†W 608, p. 82.
Paluxy Creek at Glen Rose.....	1923-24	W 588, p. 75.
	1924-25	W 608, p. 83.
Nolands River at Blum.....	1924	W 588, p. 76.
	1924-25	W 608, p. 84.
Aquilla Creek near Aquilla.....	1924-25	W 608, p. 86.
North Bosque River near Clifton.....	1923-24	*W 588, p. 77; *W 628, p. 68; W 788, p. 41.
	1924-25	*W 608, p. 87; *W 628, p. 68; W 788, p. 41.
	1925-26	*W 628, p. 68; W 788, p. 41.
	1926-27	*W 648, p. 45; W 788, p. 41.
	1927-28	*W 668, p. 42; W 788, p. 41.
	1928-29	*W 688, p. 41; W 788, p. 41.
	1929-30	*W 703, p. 39; W 788, p. 41.
	1930-31	*W 718, p. 45; W 788, p. 41.
	1931-32	*W 733, p. 42; W 788, p. 41.
	1932-33	*W 748, p. 41; W 788, p. 41.
	1933-34	W 763, p. 38.
	1934-35	W 788, p. 41.
	1935-36	W 808, p. 45.
	1936-37	W 828, p. 41.
South Bosque River near Speegleville...	1924	W 588, p. 79.
	1924-25	W 608, p. 89.
	1925-26	W 628, p. 70.
	1926-27	W 648, p. 46.
	1927-28	W 668, p. 43.
	1928-29	W 688, p. 42.
	1929-30	W 703, p. 40.
Deer Creek at Chilton.....	1934	W 763, p. 39.
	1934-35	W 788, p. 45.
	1935-36	W 808, p. 46.

Bibliography of hydrometric data--Continued.

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	1925-26	*W 628, p. 72; W 703, p. 41.
	1926-27	W 648, p. 47.
	1927-28	W 668, p. 44.
	1928-29	W 688, p. 43.
	1929-30	W 703, p. 41.
	1930-31	W 718, p. 46.
Leon River near Belton.....	1923-24	W 588, p. 80.
	1924-25	W 608, p. 92.
	1925-26	W 628, p. 73.
	1926-27	W 648, p. 48.
	1927-28	W 668, p. 45.
	1928-29	W 688, p. 44.
	1929-30	W 703, p. 43.
	1930-31	W 718, p. 47.
	1931-32	W 733, p. 43.
	1932-33	W 748, p. 42.
	1933-34	W 763, p. 40.
	1934-35	W 788, p. 46.
	1935-36	W 808, p. 47.
	1936-37	W 828, p. 42.
Little River near Little River.....	1923-24	W 588, p. 82.
	1924-25	W 608, p. 93.
	1925-26	W 628, p. 75.
	1926-27	W 648, p. 49.
	1927-28	W 668, p. 46.
	1928-29	W 688, p. 45.
Little River at Cameron.....	1916-17	W 458, p. 21.
	1917-18	*W 478, p. 18; W 718, p. 48.
	1918-20	*W 508, p. 20; W 718, p. 48.
	1920-21	*W 528, p. 21; W 718, p. 48.
	1921-22	*W 548, p. 24; W 718, p. 48.
	1922-23	W 568, p. 25.
	1923-24	W 588, p. 84.
	1924-25	W 608, p. 95.
	1925-26	W 628, p. 77.
	1926-27	W 648, p. 50.
	1927-28	W 668, p. 47.
	1928-29	W 688, p. 46.
	1929-30	W 703, p. 44.
	1930-31	W 718, p. 48.
	1931-32	W 733, p. 44.
	1932-33	W 748, p. 43.
	1933-34	W 763, p. 41.
	1934-35	W 788, p. 47.
	1935-36	W 808, p. 48.
	1936-37	W 828, p. 43.
Cowhouse Creek near Killeen.....	1924-25	W 608, p. 97.
Lampasas River at Youngsport.....	1924	W 588, p. 85.
	1924-25	W 608, p. 98.
	1925-26	*W 628, p. 78; W 788, p. 48.
	1926-27	W 648, p. 51.
	1927-28	*W 668, p. 48; W 788, p. 48.
	1928-29	W 688, p. 47.
	1929-30	W 703, p. 45.
	1930-31	*W 718, p. 51; W 788, p. 48.
	1931-32	W 733, p. 45.
	1932-33	W 748, p. 44.
	1933-34	W 763, p. 42.
	1934-35	W 788, p. 48.
	1935-36	W 808, p. 49.
	1936-37	W 828, p. 44.
San Gabriel River at Georgetown.....	1924	W 588, p. 87.
	1924-25	W 608, p. 100.
	1934-35	W 788, p. 50.
	1935-36	W 808, p. 50.
	1936-37	W 828, p. 45.
San Gabriel River at Circleville.....	1924	*W 588, p. 88; W 668, p. 49.
	1924-25	W 608, p. 102.
	1925-26	*W 628, p. 80; W 668, p. 49.
	1926-27	*W 648, p. 52; W 668, p. 49.
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	1928-29	W 688, p. 48.
	1929-30	W 703, p. 46.
	1930-31	W 718, p. 52.
	1931-32	W 733, p. 46.
	1932-33	W 748, p. 45.
	1933-34	W 763, p. 43.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Brushy Creek at Coupland.....	1924	W 588, p. 90.
	1924-25	W 608, p. 103.
	1925-26	W 628, p. 81.
Big Elm Creek near Temple.....	1934	W 763, p. 44.
	1934-35	W 788, p. 52.
	1935-36	W 808, p. 51.
Big Elm Creek near Buckholts.....	1934	W 763, p. 45.
	1934-35	W 788, p. 53.
	1935-36	W 808, p. 52.
North Elm Creek near Ben Arnold.....	1934-35	W 788, p. 54.
	1935-36	W 808, p. 53.
Yegua Creek near Somerville.....	1924	W 588, p. 91.
	1924-25	W 608, p. 105.
	1925-26	W 628, p. 83.
	1926-27	W 648, p. 53.
	1927-28	W 668, p. 51.
	1928-29	W 688, p. 49.
	1929-30	W 703, p. 47.
	1930-31	W 718, p. 53.
	1931-32	W 733, p. 47.
	1932-33	W 748, p. 46.
	1933-34	W 763, p. 46.
	1934-35	W 788, p. 55.
	1935-36	W 808, p. 54.
	1936-37	W 828, p. 46.
Navasota River near Easterly.....	1924	W 588, p. 92.
	1924-25	W 608, p. 106.
	1925-26	W 628, p. 84.
	1926-27	W 648, p. 54.
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	1928-29	W 688, p. 50.
	1929-30	W 703, p. 48.
	1930-31	W 718, p. 54.
	1931-32	W 733, p. 47.
	1932-33	W 748, p. 47.
	1933-34	W 763, p. 47.
	1934-35	W 788, p. 56.
	1935-36	W 808, p. 55.
	1936-37	W 828, p. 47.
Brazos Valley Irrigation Co.'s canal near Fulshear.	1931-32	W 733, p. 48.
	1932-33	W 748, p. 48.
	1933-34	W 763, p. 48.
	1934-35	W 788, p. 57.
	1935-36	W 808, p. 56.
	1936-37	W 828, p. 48.
Richmond Irrigation Co.'s canal near Richmond.	1931-32	W 733, p. 49.
	1932-33	W 748, p. 49.
	1933-34	W 763, p. 49.
	1934-35	W 788, p. 58.
	1935-36	W 808, p. 57.
	1936-37	W 828, p. 49.
Colorado River at Colorado.....	1924	W 588, p. 94.
	1924-25	W 608, p. 108.
Cclorado River near Robert Lee.....	1923-24	W 588, p. 95.
	1924-25	W 608, p. 109.
	1925-26	W 628, p. 86.
	1926-27	W 648, p. 55.
Colorado River near Bronte.....	1915-16	W 438, p. 23.
	1916-17	W 458, p. 23.
	1917-18	W 478, p. 20.
	1918-20	†W 508, p. 23.
Colorado River at Ballinger.....	1907-15	Not previously published (see W 850, p. 95).
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	1916-17	*W 458, p. 25; W 850, p. 95).
	1917-18	W 478, p. 22.
	1918-20	W 508, p. 25.
	1920-21	W 528, p. 24.
	1921-22	W 548, p. 27.
	1922-23	W 568, p. 27.
	1923-24	W 588, p. 97.
	1924-25	W 608, p. 111.
	1925-26	W 628, p. 88.
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	1927-28	W 668, p. 52.
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	1929-30	W 703, p. 49.
	1930-31	W 718, p. 55.
	1931-32	W 733, p. 50.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
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	1933-34	W 763, p. 50.
	1934-35	W 788, p. 59.
	1935-36	W 808, p. 57.
	1936-37	W 828, p. 50.
Colorado River near Milburn.....	1924	*W 588, p. 99; W 608, p. 113.
	1924-25	W 608, p. 113.
	1925-26	W 628, p. 89.
	1926-27	W 648, p. 58.
	1927-28	W 668, p. 53.
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	1929-30	W 703, p. 50.
	1930-31	W 718, p. 56.
	1931-32	W 733, p. 51.
	1932-33	W 748, p. 51.
	1933-34	W 763, p. 51.
Colorado River near Chadwick..... (Published herein as Colorado River near San Saba.)	1915-16	*W 438, p. 27; W 458, p. 27.
	1916-17	W 458, p. 27.
	1917-18	W 478, p. 24.
	1918-20	W 508, p. 28.
	1920-21	W 528, p. 25.
	1921-22	W 548, p. 28.
Colorado River near San Saba.....	1930	W 703, p. 51.
	1930-31	W 718, p. 57.
	1931-32	W 733, p. 52.
	1932-33	W 748, p. 52.
	1933-34	W 763, p. 52.
	1934-35	W 788, p. 60.
	1935-36	W 808, p. 58.
	1936-37	W 828, p. 51.
Colorado River near Tow.....	1923-24	W 588, p. 100.
	1924-25	††W 608, p. 115; W 668, p. 54.
	1925-26	W 628, p. 91.
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	1928-29	W 688, p. 54.
	1929-30	W 703, p. 52.
	1930-31	W 718, p. 58.
	1931-32	W 733, p. 53.
	1932-33	W 748, p. 53.
	1933-34	W 763, p. 53.
Colorado River at Marble Falls.....	1916-17	*W 458, p. 29; W 478, p. 26.
	1917-18	W 478, p. 26.
	1918-20	W 508, p. 31.
	1920-21	W 528, p. 28.
	1921-22	W 548, p. 31.
	1922-23	W 568, p. 29.
	1923-24	W 588, p. 102.
	1924-25	W 608, p. 117.
	1925-26	W 628, p. 93.
Colorado River at dam above Austin.....	1895-98	†W 28, p. 118, 122.
Colorado River at Austin.....	1896-1903	W 105, p. 48.
	1898	†W 28, p. 124; W 548, p. 32.
	1899	†W 37, p. 274; W 548, p. 32.
	1900	†W 50, p. 336; W 548, p. 32.
	1901	†W 66, p. 64; *W 75, p. 152; W 548, p. 32.
	1902	*W 84, p. 149; W 548, p. 32.
	1903	*W 99, p. 334; W 548, p. 32.
	1904	*W 132, p. 36; W 548, p. 32.
	1905	*W 174, p. 24; W 548, p. 32.
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	1907-10	*W 288, p. 26; W 548, p. 32.
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	1914-15	‡‡W 408, p. 16; W 528, p. 29.
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	1916-17	W 458, p. 31.
	1917-18	W 478, p. 28.
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	1922-23	W 568, p. 31.
	1923-24	W 588, p. 103.
	1924-25	W 608, p. 118.
	1925-26	W 628, p. 94.
	1926-27	W 648, p. 60.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
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	1928-29	W 688, p. 54.
	1929-30	W 703, p. 53.
	1930-31	W 718, p. 59.
	1931-32	W 733, p. 54.
	1932-33	W 748, p. 54.
	1933-34	W 763, p. 55.
	1934-35	W 788, p. 61.
	1935-36	W 808, p. 59.
	1936-37	W 828, p. 52.
Evaporation near Austin.....	1911	W 308, p. 17.
	1916	W 438, p. 31.
	1916-17	W 458, p. 34.
	1917-18	W 478, p. 30.
	1918-20	W 508, p. 37.
	1920-21	W 528, p. 32.
	1921-22	W 548, p. 41.
	1922-23	W 568, p. 33.
	1923-24	W 588, p. 105.
	1924-25	W 608, p. 120.
	1925-26	W 628, p. 96.
	1926-27	W 648, p. 61.
	1927-28	W 668, p. 56.
	1928-29	W 688, p. 55.
Evaporation at Austin.....	1929-30	W 703, p. 54.
	1930-31	W 718, p. 60.
	1931-32	W 733, p. 55.
	1932-33	W 748, p. 55.
	1933-34	W 763, p. 56.
	1934-35	W 788, p. 62.
	1935-36	W 808, p. 60.
	1936-37	W 828, p. 53.
Colorado River at Smithville.....	1930	W 703, p. 55.
	1930-31	W 718, p. 61.
	1931-32	W 733, p. 56.
	1932-33	W 748, p. 56.
	1933-34	W 763, p. 57.
	1934-35	W 788, p. 63.
	1935-36	W 808, p. 61.
	1936-37	W 828, p. 54.
Colorado River at Columbus.....	1903	†W 99, p. 332.
	1904	W 132, p. 40.
	1905	*W 174, p. 27; W 850, p. 100.
	1906	W 210, p. 39.
	1907-10	*W 288, p. 32; W 850, p. 100.
	1911	W 308, p. 18.
	1916	W 438, p. 32.
	1916-17	W 458, p. 35.
	1917-18	W 478, p. 31.
	1918-20	W 508, p. 38.
	1920-21	W 528, p. 33.
	1921-22	W 548, p. 42.
	1922-23	W 568, p. 34.
	1923-24	W 588, p. 106.
	1924-25	W 608, p. 121.
	1925-26	W 628, p. 97.
	1926-27	W 648, p. 61.
	1927-28	W 668, p. 57.
	1928-29	W 688, p. 56.
	1929-30	W 703, p. 56.
Colorado River near Eagle Lake.....	1930-31	W 718, p. 62.
	1931-32	W 733, p. 57.
	1932-33	W 748, p. 57.
	1933-34	W 763, p. 58.
	1934-35	W 788, p. 64.
	1935-36	W 808, p. 62.
	1936-37	W 828, p. 55.
Colorado River at Wharton.....	1916-17	†W 458, p. 36.
	1918	†W 478, p. 33.
	1919-20	W 508, p. 41.
	1920-21	W 528, p. 35.
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	1922-23	W 568, p. 36.
	1923-24	W 588, p. 108.
	1924-25	W 608, p. 123.
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	1925	W 608, p. 125.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
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	1924-25	W 608, p. 127.
Elm Creek at Ballinger.....	1932	W 733, p. 58.
	1932-33	W 748, p. 58.
	1933-34	W 763, p. 59.
	1934-35	W 788, p. 65.
	1935-36	W 808, p. 63.
	1936-37	W 828, p. 56.
South Concho River at Christoval.....	1930-31	*W 718, p. 63; W 808, p. 64.
	1931-32	*W 733, p. 59; W 808, p. 64.
	1932-33	W 748, p. 59.
	1933-34	W 763, p. 60.
	1934-35	W 788, p. 66.
	1935-36	W 808, p. 64.
	1936-37	W 828, p. 57.
South Concho River at San Angelo.....	1931-32	W 733, p. 60.
	1932-33	W 748, p. 60.
	1933-34	W 763, p. 61.
	1934-35	W 788, p. 67.
	1935-36	W 808, p. 66.
	1936-37	W 828, p. 58.
Concho River near San Angelo.....	1915-16	*W 438, p. 36; W 568, p. 43.
	1916-17	*W 458, p. 40; W 568, p. 43.
	1917-18	*W 478, p. 38; W 568, p. 43.
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	1921-22	*W 548, p. 49; W 568, p. 43.
	1922-23	W 568, p. 43.
	1923-24	W 588, p. 115.
	1924-25	W 608, p. 133.
	1925-26	W 628, p. 99.
	1926-27	W 648, p. 63.
	1927-28	W 668, p. 58.
	1928-29	W 688, p. 57.
	1929-30	W 703, p. 58.
	1930-31	W 718, p. 65.
	1931-32	W 733, p. 61.
	1932-33	W 748, p. 61.
	1933-34	W 763, p. 62.
	1934-35	W 788, p. 68.
	1935-36	W 808, p. 67.
	1936-37	W 828, p. 59.
Concho River near Paint Rock.....	1915-16	*W 438, p. 38; W 458, p. 43.
	1916-17	W 458, p. 42.
	1917-18	W 478, p. 40.
	1918-20	*W 508, p. 50; W 568, p. 49.
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	1921-22	*W 548, p. 51; W 568, p. 49.
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	1923-24	W 588, p. 116.
	1924-25	W 608, p. 134.
	1925-26	W 628, p. 101.
	1926-27	W 648, p. 64.
	1927-28	W 668, p. 59.
	1928-29	W 688, p. 58.
	1929-30	W 703, p. 59.
	1930-31	W 718, p. 66.
	1931-32	W 733, p. 62.
	1932-33	W 748, p. 62.
	1933-34	W 763, p. 63.
	1934-35	W 788, p. 69.
	1935-36	W 808, p. 68.
	1936-37	W 828, p. 60.
Concho River seepage investigation.....	1918	W 478, p. 42.
	1925	W 608, p. 136.
Middle Concho River near Tankersly.....	1930-31	*W 718, p. 67; W 733, p. 63.
	1931-32	W 733, p. 63.
	1932-33	W 748, p. 63.
	1933-34	W 763, p. 64.
	1934-35	W 788, p. 70.
	1935-36	W 808, p. 69.
	1936-37	W 828, p. 61.
Spring Creek near Tankersly.....	1930	W 703, p. 60.
	1930-31	*W 718, p. 69; W 733, p. 65.
	1931-32	W 733, p. 65.
	1932-33	W 748, p. 64.
	1933-34	W 763, p. 65.
	1934-35	W 788, p. 71.
	1935-36	W 808, p. 70.
	1936-37	W 828, p. 62.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
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	1925-26	W 628, p. 102.
	1926-27	W 648, p. 65.
	1927-28	W 668, p. 60.
	1928-29	W 688, p. 59.
	1929-30	††W 703, p. 61; W 748, p. 65.
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	1931-32	W 733, p. 66.
	1932-33	W 748, p. 65.
	1933-34	W 763, p. 66.
	1934-35	W 788, p. 72.
	1935-36	W 808, p. 71.
	1936-37	W 828, p. 63.
North Concho River at San Angelo.....	1915-16	*W 438, p. 34; W 568, p. 37.
	1916-17	*W 458, p. 38; W 568, p. 37.
	1917-18	*W 478, p. 36; W 568, p. 37.
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	1921-22	*W 548, p. 47; W 568, p. 37.
	1922-23	W 568, p. 37.
	1923-24	W 588, p. 113.
	1924-25	W 608, p. 131.
	1925-26	†W 628, p. 104.
	1926-27	W 648, p. 66.
	1927-28	W 668, p. 61.
	1928-29	W 688, p. 60.
	1929-30	W 703, p. 62.
	1930-31	W 718, p. 71.
Pecan Bayou at Brownwood.....	1917	†W 458, p. 44.
	1917-18	†W 478, p. 45.
	1923-24	W 588, p. 118.
	1924-25	W 608, p. 140.
	1925-26	W 628, p. 106.
	1926-27	W 648, p. 67.
	1927-28	W 668, p. 62.
	1928-29	†W 688, p. 61.
	1929-30	W 703, p. 63.
	1930-31	W 718, p. 72.
	1931-32	W 733, p. 67.
	1932-33	W 748, p. 66.
	1933-34	W 763, p. 67.
	1934-35	W 788, p. 73.
	1935-36	W 808, p. 72.
	1936-37	W 828, p. 64.
San Saba River at Menard.....	1915-16	W 438, p. 39.
	1916-17	W 458, p. 46.
	1917-18	*W 478, p. 47; W 718, p. 73.
	1918-20	*W 508, p. 53; W 718, p. 73.
	1920-21	W 528, p. 43.
	1921-22	*W 548, p. 53; W 718, p. 73.
	1922-23	W 568, p. 53.
	1923-24	W 588, p. 120.
	1924-25	W 608, p. 141.
	1925-26	W 628, p. 107.
	1926-27	W 648, p. 68.
	1927-28	W 668, p. 63.
	1928-29	W 688, p. 62.
	1929-30	W 703, p. 64.
	1930-31	W 718, p. 73.
	1931-32	W 733, p. 68.
	1932-33	W 748, p. 67.
	1933-34	W 763, p. 68.
	1934-35	W 788, p. 74.
	1935-36	W 808, p. 73.
	1936-37	W 828, p. 65.
San Saba River near San Saba.....	1905	†W 174, p. 29.
(Published herein as San Saba River at San Saba.)	1906	†W 210, p. 40.
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	1918-20	W 508, p. 55.
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	1921-22	*W 548, p. 55; W 718, p. 75.
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Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
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	1924-25	W 608, p. 143.
	1925-26	W 628, p. 109.
	1926-27	W 648, p. 69.
	1927-28	W 668, p. 64.
	1928-29	W 688, p. 63.
	1929-30	W 703, p. 65.
San Saba River at San Saba.....	1902-4	†W 132, p. 43.
	1930	W 703, p. 66.
	1930-31	W 718, p. 75.
	1931-32	W 733, p. 69.
	1932-33	W 748, p. 68.
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	1934-35	W 788, p. 75.
	1935-36	W 808, p. 74.
	1936-37	W 828, p. 66.
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	1933	W 748, p. 69.
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	1918	†W 478, p. 47.
	1924	W 588, p. 123.
	1924-25	W 608, p. 145.
	1925-26	W 628, p. 111.
	1926-27	W 648, p. 70.
	1927-28	W 668, p. 65.
	1928-29	W 688, p. 64.
	1929-30	W 703, p. 67.
	1930-31	W 718, p. 77.
	1931-32	W 733, p. 70.
	1932-33	W 748, p. 70.
	1933-34	W 763, p. 70.
	1934-35	W 788, p. 76.
	1935-36	W 808, p. 75.
	1936-37	W 828, p. 67.
North Llano River near Junction.....	1915-16	*W 438, p. 44; W 568, p. 57.
	1916-17	*W 458, p. 51; W 568, p. 57.
	1917-18	*W 478, p. 52; W 568, p. 57.
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	1922-23	††W 568, p. 57; W 763, p. 71.
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	1924-25	W 608, p. 146.
	1925-26	W 628, p. 112.
	1926-27	W 648, p. 71.
	1927-28	W 668, p. 66.
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	1929-30	W 703, p. 68.
	1930-31	W 718, p. 78.
	1931-32	W 733, p. 71.
	1932-33	W 748, p. 71.
	1933-34	W 763, p. 71.
	1934-35	W 788, p. 77.
	1935-37	Not previously published (see W 850, p. 109).
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Llano River near Junction.....	1915-16	*W 438, p. 46; W 568, p. 61.
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	1921-22	*W 548, p. 59; W 568, p. 61.
	1922-23	W 568, p. 61.
	1923-24	W 588, p. 126.
	1924-25	W 608, p. 148.
	1925-26	W 628, p. 114.
	1926-27	W 648, p. 72.
	1927-28	W 668, p. 67.
	1928-29	W 688, p. 66.
	1929-30	W 703, p. 69.
	1930-31	W 718, p. 79.
	1931-32	W 733, p. 72.
	1932-33	W 748, p. 72.
	1933-34	W 763, p. 72.
	1934-35	W 788, p. 78.
	1935-36	W 808, p. 76.
	1936-37	W 828, p. 68.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Llano River near Castell.....	1923-24	W 588, p. 128.
	1924-25	W 608, p. 150.
	1925-26	W 628, p. 116.
	1926-27	W 648, p. 73.
	1927-28	W 668, p. 68.
	1928-29	W 688, p. 67.
	1929-30	W 703, p. 70.
	1930-31	W 718, p. 80.
	1931-32	W 733, p. 73.
	1932-33	W 748, p. 73.
	1933-34	W 763, p. 73.
	1934-35	W 788, p. 79.
	1935-36	W 808, p. 77.
	1936-37	W 828, p. 69.
Llano River seepage investigation.....	1918	W 478, p. 55.
	1925	W 608, p. 152.
Pedernales River at Stonewall.....	1924	W 588, p. 129.
	1924-25	W 608, p. 153.
	1925-26	W 628, p. 117.
	1926-27	W 648, p. 74.
	1927-28	W 668, p. 69.
	1928-29	*W 688, p. 68; W 733, p. 74.
	1929-30	*W 703, p. 71; W 733, p. 74.
	1930-31	*W 718, p. 81; W 733, p. 74.
	1931-32	W 733, p. 74.
	1932-33	W 748, p. 74.
	1933-34	W 763, p. 74.
Pedernales River near Spicewood.....	1923-24	W 588, p. 130.
	1924-25	W 608, p. 155.
	1925-26	W 628, p. 119.
	1926-27	W 648, p. 75.
	1927-28	W 668, p. 70.
	1928-29	W 688, p. 69.
	1929-30	W 703, p. 72.
	1930-31	W 718, p. 82.
	1931-32	W 733, p. 76.
	1932-33	W 748, p. 75.
	1933-34	W 763, p. 75.
	1934-35	W 788, p. 80.
	1935-36	W 808, p. 78.
	1936-37	W 828, p. 70.
Barton Creek at Austin.....	1917	W 458, p. 55.
	1917-18	W 478, p. 57.
Barton Springs at Austin.....	1894-1904	†W 132, p. 44.
	1895	†B 140, p. 83.
	1896	†18th A, pt. 4, p. 110.
	1898	†W 28, p. 130.
	1900	†W 50, p. 338.
	1902	†W 84, p. 152.
	1894-1905	†W 174, p. 31.
	1894-1906	†W 210, p. 41.
	1910	†W 288, p. 135.
	1916	†W 438, p. 104.
	1917	†W 458, p. 55.
	1917-18	†W 478, p. 57.
	1918-20	†W 508, p. 63.
	1920-21	†W 528, p. 50.
	1921-22	†W 548, p. 60.
	1922-23	†W 568, p. 65.
	1923-24	†W 588, p. 131.
	1924-25	†W 608, p. 157.
	1925-26	†W 628, p. 120.
	1926-27	†W 648, p. 112.
	1927-28	†W 668, p. 119.
	1928-29	†W 688, p. 126.
	1929-30	†W 703, p. 126.
	1930-31	†W 718, p. 130.
	1931-32	†W 733, p. 176.
	1932-33	†W 748, p. 167.
	1933-34	†W 763, p. 181.
	1934-35	†W 788, p. 191.
	1935-36	†W 808, p. 256.
	1936-37	†W 828, p. 424.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Mill Spring at Austin.....	1900	†W 50, p. 338.
(Farthest downstream of a group of	1902	†W 84, p. 152.
springs known as Barton Springs;	1903	†W 132, p. 44; W 174, p. 31.
published as Walsh Spring in 1903-4	1904	†W 132, p. 44.
and as Old Mill Spring, 1921-26.)	1919	†W 850, p. 115.
	1921	†W 528, p. 93.
	1921-22	†W 548, p. 120.
	1922-23	†W 568, p. 143.
	1923-24	†W 588, p. 221.
	1924-25	†W 608, p. 262.
	1925-26	†W 628, p. 202.
	1928-37	†W 850, p. 115.
Little Walnut Creek near Austin.....	1924	W 588, p. 132.
	1924-25	W 608, p. 157.
	1925-26	W 628, p. 121.
Onion Creek near Del Valle.....	1924	W 588, p. 133.
	1924-25	W 608, p. 159.
	1925-26	W 628, p. 122.
	1926-27	W 648, p. 76.
	1927-28	W 668, p. 71.
	1928-29	W 688, p. 70.
	1929-30	W 703, p. 73.
Guadalupe River near Comfort.....	1902	W 84, p. 157.
	1917-18	W 478, p. 59.
	1918-20	W 508, p. 64.
	1920-21	W 528, p. 51.
	1921-22	W 548, p. 61.
	1922-23	W 568, p. 65.
	1923-24	W 588, p. 134.
	1924-25	W 608, p. 160.
	1925-26	W 628, p. 123.
	1926-27	W 648, p. 76.
	1927-28	W 668, p. 72.
	1928-29	W 688, p. 71.
	1929-30	W 703, p. 74.
	1930-31	W 718, p. 83.
	1931-32	W 733, p. 77.
Guadalupe River near Spring Branch.....	1922	W 548, p. 63.
	1922-23	W 568, p. 67.
	1923-24	W 588, p. 136.
	1924-25	W 608, p. 162.
	1925-26	W 628, p. 125.
	1926-27	W 648, p. 78.
	1927-28	W 668, p. 73.
	1928-29	W 688, p. 72.
	1929-30	W 703, p. 75.
	1930-31	W 718, p. 84.
	1931-32	W 733, p. 78.
	1932-33	W 748, p. 76.
	1933-34	W 763, p. 76.
	1934-35	W 788, p. 81.
	1935-36	W 808, p. 79.
	1936-37	W 828, p. 71.
Guadalupe River above Comal River at	1927-28	W 668, p. 74.
New Braunfels.	1928-29	W 688, p. 73.
	1929-30	W 703, p. 76.
	1930-31	W 718, p. 85.
	1931-32	W 733, p. 79.
	1932-33	W 748, p. 77.
	1933-34	W 763, p. 77.
	1934-35	W 788, p. 82.
	1935-36	W 808, p. 80.
	1936-37	W 828, p. 72.
Guadalupe River at New Braunfels.....	1896	†18th A, pt. 4, p. 110.
	1898	†W 28, p. 119, 124.
	1899	†W 37, p. 275.
	1900	†W 50, p. 340.
	1915	W 408, p. 19.
	1915-16	W 438, p. 48.
	1916-17	W 458, p. 56.
	1917-18	W 478, p. 61.
	1918-20	W 508, p. 67.
	1920-21	W 528, p. 53.
	1921-22	W 548, p. 64.
	1922-23	W 568, p. 69.
	1923-24	W 588, p. 138.
	1924-25	W 608, p. 164.
	1925-26	W 628, p. 127.
	1926-27	W 648, p. 79.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Guadalupe River near Gonzales.....	1915	W 408, p. 20.
	1915-16	W 438, p. 50.
	1916-17	W 458, p. 58.
	1917-18	W 478, p. 63.
	1918-20	W 508, p. 70.
	1920-21	W 528, p. 55.
	1921-22	W 548, p. 67.
Guadalupe River near Cuero.....	1902	W 84, p. 156.
	1903	W 99, p. 337.
	1904	W 132, p. 45.
	1905	W 174, p. 31.
	1906	W 210, p. 42.
	1915	†W 408, p. 22.
	1915-16	†W 438, p. 52.
Guadalupe River below Cuero.....	1916	W 438, p. 53.
	1916-17	W 458, p. 60.
	1917-18	W 478, p. 65.
	1918-20	W 508, p. 73.
	1920-21	W 528, p. 57.
	1921-22	W 548, p. 69.
	1922-23	W 568, p. 71.
	1923-24	W 588, p. 139.
	1924-25	W 608, p. 166.
	1925-26	W 628, p. 128.
	1926-27	W 648, p. 81.
	1927-28	W 668, p. 75.
	1928-29	W 688, p. 74.
	1929-30	W 703, p. 77.
	1930-31	W 718, p. 86.
	1931-32	W 733, p. 80.
	1932-33	W 748, p. 78.
	1933-34	W 763, p. 78.
	1934-35	W 788, p. 83.
Guadalupe River at Victoria.....	1924-35	W 788, p. 85.
	1935-36	W 808, p. 81.
	1936-37	W 828, p. 73.
Guadalupe River seepage investigation..	1928	W 668, p. 76.
	1929	W 688, p. 75.
Comal River at New Braunfels.....	1882	†W 50, p. 339.
	1895	†B 140, p. 84, 86.
	1896	†18th A, pt. 4, p. 110.
	1898	†W 28, p. 130.
	1900	†W 50, p. 339, 340.
	1902	†W 84, p. 157.
	1895-1904	†W 132, p. 50; W 105, pp. 32-35.
	1895-1905	†W 174, p. 33.
	1895-1906	†W 210, p. 44.
	1910	†W 308, p. 106.
	1915	†W 408, p. 108.
	1921	†W 528, p. 93.
	1924	†W 588, p. 222.
	1924-25	†W 608, p. 262.
	1925-26	†W 628, p. 202.
	1926-27	†W 648, p. 112.
	1927-28	W 668, p. 77.
	1928-29	W 688, p. 76.
	1929-30	W 703, p. 78.
	1930-31	W 718, p. 87.
	1931-32	W 733, p. 81.
	1932-33	W 748, p. 79.
	1933-34	W 763, p. 79.
	1934-35	W 788, p. 86.
	1935-36	W 808, p. 82.
	1936-37	W 828, p. 74.
Comal Springs at New Braunfels.....	1882-1927	W 850, p. 121.
San Marcos River at San Marcos.....	1894-95	†B 140, p. 83, 86.
	1896	†18th A, pt. 4, p. 110.
	1898	†W 28, p. 130.
	1894-1903	†W 105, p. 36.
	1904	†W 132, p. 127.
	1894-1906	†W 210, p. 44.
	1910	†W 288, p. 135.
	1915	W 408, p. 23.
	1915-16	W 438, p. 54.
	1916-17	W 458, p. 61.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
San Marcos River at San Marcos--(Contd.)	1917-18	W 478, p. 67.
	1918-20	W 508, p. 76.
	1920-21	W 528, p. 58.
	1921-22	†W 548, p. 120.
	1922-23	†W 568, p. 143.
	1923-24	†W 588, p. 222.
	1924-25	†W 608, p. 262.
	1925-26	†W 628, p. 202.
	1926-27	†W 648, p. 113.
	1927-28	†W 668, p. 119.
	1928-29	†W 688, p. 126.
	1929-30	†W 703, p. 126.
	1930-31	†W 718, p. 131.
	1931-32	†W 733, p. 176.
	1932-33	†W 748, p. 167.
	1933-34	†W 763, p. 182.
	1934-35	†W 788, p. 191.
	1935-36	†W 808, p. 256.
	1936-37	†W 828, p. 424.
San Marcos River at Ottine.....	1915	W 408, p. 24.
	1915-16	*W 438, p. 57; W 588, p. 143.
	1916-17	*W 458, p. 64; W 588, p. 143.
	1917-18	*W 478, p. 69; W 588, p. 143.
	1918-20	*W 508, p. 79; W 588, p. 143.
	1920-21	*W 528, p. 61; W 588, p. 143.
	1921-22	*W 548, p. 71; W 588, p. 143.
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	1923-24	W 588, p. 143.
	1924-25	W 608, p. 169.
	1925-26	W 628, p. 131.
	1926-27	W 648, p. 82.
	1927-28	W 668, p. 79.
	1928-29	W 688, p. 78.
	1929-30	W 703, p. 80.
	1930-31	W 718, p. 88.
	1931-32	W 733, p. 82.
	1932-33	W 748, p. 80.
	1933-34	W 763, p. 80.
	1934-35	W 788, p. 87.
	1935-36	W 808, p. 83.
	1936-37	W 828, p. 75.
San Marcos Springs at San Marcos.....	1894-1910	W 850, p. 123.
	1920-37	W 850, p. 123.
Blanco River at Wimberley.....	1924	W 588, p. 141.
	1924-25	W 608, p. 167.
	1925-26	W 628, p. 132.
	1926	†W 648, p. 113.
	1928	W 668, p. 78.
	1928-29	W 688, p. 77.
	1929-30	W 703, p. 79.
	1930-31	W 718, p. 89.
	1931-32	W 733, p. 83.
	1932-33	W 748, p. 81.
	1933-34	W 763, p. 81.
	1934-35	W 788, p. 88.
	1935-36	W 808, p. 84.
	1936-37	W 828, p. 76.
Blanco River seepage investigation.....	1924	W 588, p. 142.
Plum Creek near Lockhart.....	1925	W 608, p. 171.
	1925-26	W 628, p. 134.
	1926-27	W 648, p. 83.
	1927-28	W 668, p. 80.
	1928-29	W 688, p. 79.
	1929-30	W 703, p. 81.
Plum Creek near Luling.....	1930	W 703, p. 82.
	1930-31	W 718, p. 90.
	1931-32	W 733, p. 84.
	1932-33	W 748, p. 82.
	1933-34	W 763, p. 82.
	1934-35	W 788, p. 89.
	1935-36	W 808, p. 85.
	1936-37	W 828, p. 77.
Peach Creek near Dilworth.....	1930	W 703, p. 83.
	1930-31	W 718, p. 91.
	1931-32	W 733, p. 85.
	1932-33	W 748, p. 83.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Sandies Creek near Westhoff.....	1930	W 703, p. 84.
	1930-31	W 718, p. 92.
	1931-32	W 733, p. 86.
	1932-33	W 748, p. 84.
	1933-34	W 763, p. 83.
Coleto Creek near Schroeder.....	1930	W 703, p. 85.
	1930-31	W 718, p. 93.
	1931-32	W 733, p. 87.
	1932-33	W 748, p. 85.
San Antonio River at San Antonio.....	1895	†B 140, p. 86.
	1896	†18th A, pt. 4, p. 110.
	1900	†W 50, p. 340.
	1894-1904	†W 105, p. 24.
	1895-1904	†W 132, p. 50.
	1895-1905	†W 174, p. 34.
	1895-1906	†W 210, p. 45.
	1910	†W 288, p. 135.
	1915	W 408, p. 25.
	1915-16	W 438, p. 58.
	1916-17	W 458, p. 66.
	1917-18	W 478, p. 71.
	1918-20	W 508, p. 82.
	1920-21	W 528, p. 63.
	1921-22	W 548, p. 73.
	1922-23	W 568, p. 75.
	1923-24	W 588, p. 147.
	1924-25	W 608, p. 172.
	1925-26	W 628, p. 136.
	1926-27	W 648, p. 84.
	1927-28	W 668, p. 81.
	1928-29	W 688, p. 80.
San Antonio River at Calaveras.....	1918	W 478, p. 73.
	1918-20	W 508, p. 85.
	1920-21	W 528, p. 65.
	1921-22	W 548, p. 75.
	1922-23	W 568, p. 77.
	1923-24	W 588, p. 149.
	1924-25	W 608, p. 174.
San Antonio River near Falls City.....	1925	W 608, p. 176.
	1925-26	W 628, p. 137.
	1926-27	W 648, p. 85.
	1927-28	W 668, p. 82.
	1928-29	W 688, p. 81.
	1929-30	W 703, p. 86.
	1930-31	W 718, p. 94.
	1931-32	W 733, p. 88.
	1932-33	W 748, p. 87.
	1933-34	W 763, p. 85.
	1934-35	W 788, p. 90.
	1935-36	W 808, p. 86.
	1936-37	W 828, p. 78.
San Antonio River at Goliad.....	1924	W 588, p. 151.
	1924-25	W 608, p. 177.
	1925-26	W 628, p. 139.
	1926-27	W 648, p. 86.
	1927-28	W 668, p. 83.
	1928-29	W 688, p. 82.
San Pedro Creek at San Antonio.....	1895-1904	†W 105, p. 24.
	1916	*W 438, p. 61; W 458, p. 68.
	1916-17	W 458, p. 68.
	1917-18	W 478, p. 75.
	1918-20	W 508, p. 87.
	1920-21	W 528, p. 67.
	1921-22	W 548, p. 77.
	1922-23	W 568, p. 79.
	1923-24	W 588, p. 152.
	1924-25	W 608, p. 179.
	1925-26	W 628, p. 141.
	1926-27	W 648, p. 86.
	1927-28	W 668, p. 84.
	1928-29	W 688, p. 82.
Medina River near Pipe Creek.....	1923	W 568, p. 81.
	1923-24	W 588, p. 154.
	1924-25	W 608, p. 181.
	1925-26	W 628, p. 143.
	1926-27	W 648, p. 88.
	1927-28	W 668, p. 85.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Medina River near Pipe Creek--(Contd.).	1928-29	W 688, p. 84.
	1929-30	W 703, p. 87.
	1930-31	W 718, p. 95.
	1931-32	W 733, p. 89.
	1932-33	W 748, p. 88.
	1933-34	W 763, p. 86.
Medina River near Riomedina.....	1922	W 548, p. 79.
	1922-23	W 568, p. 83.
	1923-24	W 588, p. 156.
	1924-25	W 608, p. 183.
	1925-26	W 628, p. 144.
	1926-27	W 648, p. 89.
	1927-28	W 668, p. 86.
	1928-29	W 688, p. 85.
	1929-30	W 703, p. 88.
	1930-31	W 718, p. 96.
	1931-32	W 733, p. 90.
	1932-33	W 748, p. 89.
	1933-34	W 763, p. 87.
Medina River seepage past station near Riomedina.	1922	W 548, p. 80.
	1922-23	W 568, p. 84.
	1923-24	W 588, p. 157.
	1924-25	W 608, p. 184.
	1925-26	W 628, p. 146.
	1926-27	†W 648, p. 89.
	1927-28	†W 668, p. 86.
	1928-29	†W 688, p. 85.
	1929-30	W 703, p. 88.
	1930-31	W 718, p. 96.
	1931-32	†W 733, p. 90.
	1932-33	†W 748, p. 89.
	1933-34	W 763, p. 87.
Medina River seepage investigation.....	1925	W 608, p. 184.
	1929-30	W 703, p. 89.
Medina canal near Riomedina.....	1922	*W 548, p. 80; W 568, p. 84.
	1922-23	W 568, p. 84.
	1923-24	W 588, p. 157.
	1924-25	W 608, p. 186.
	1925-26	W 628, p. 146.
	1926-27	W 648, p. 89.
	1927-28	W 668, p. 87.
	1928-29	W 688, p. 86.
	1929-30	W 703, p. 94.
	1930-31	W 718, p. 97.
	1931-32	W 733, p. 91.
	1932-33	W 748, p. 90.
	1933-34	W 763, p. 87.
Cibolo Creek at Sutherland Springs.....	1924	W 588, p. 159.
	1924-25	W 608, p. 187.
	1925-26	W 628, p. 147.
	1926-27	W 648, p. 91.
	1927-28	W 668, p. 88.
	1928-29	W 688, p. 87.
Cibolo Creek near Falls City.....	1930-31	*W 718, p. 98; W 733, p. 92.
	1931-32	W 733, p. 92.
	1932-33	W 748, p. 91.
	1933-34	W 763, p. 88.
	1934-35	W 788, p. 91.
	1935-36	W 808, p. 87.
	1936-37	W 828, p. 79.
Nueces River at Laguna.....	1923-24	††W 588, p. 160; W 808, p. 88.
	1924-25	W 608, p. 189.
	1925-26	W 628, p. 149.
	1926-27	W 648, p. 92.
	1927-28	W 668, p. 89.
	1928-29	W 688, p. 88.
	1929-30	††W 703, p. 95; W 788, p. 92.
	1930-31	W 718, p. 99.
	1931-32	††W 733, p. 94; W 788, p. 92.
	1932-33	W 748, p. 92.
	1933-34	W 763, p. 89.
	1934-35	W 788, p. 92.
	1935-36	W 808, p. 88.
	1936-37	W 828, p. 80.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Nueces River near Uvalde.....	1927-28	W 668, p. 90.
	1928-29	W 688, p. 89.
	1929-30	W 703, p. 96.
	1930-31	W 718, p. 100.
	1931-32	W 733, p. 95.
	1932-33	W 748, p. 93.
	1933-34	W 763, p. 90.
	1934-35	W 788, p. 93.
	1935-36	W 808, p. 89.
	1936-37	W 828, p. 81.
Nueces River near Cinonia.....	1915	W 408, p. 27.
	1915-16	W 438, p. 62.
	1916-17	W 458, p. 70.
	1917-18	W 478, p. 77.
	1918-20	*W 508, p. 89; W 850, p. 131.
	1920-21	W 528, p. 69.
	1921-22	W 548, p. 82.
	1922-23	*W 568, p. 86; W 850, p. 131.
	1923-24	W 588, p. 162.
	1924-25	*W 608, p. 190; W 850, p. 131.
Nueces River near Cotulla.....	1915	W 408, p. 28.
	1915-16	W 438, p. 64.
	1916-17	W 458, p. 72.
	1917-18	W 478, p. 79.
Nueces River at Cotulla.....	1923-24	W 588, p. 164.
	1924-25	W 608, p. 192.
	1925-26	W 628, p. 151.
	1926-27	W 648, p. 93.
	1927-28	W 668, p. 91.
	1928-29	W 688, p. 90.
	1929-30	W 703, p. 97.
	1930-31	W 718, p. 101.
	1931-32	W 733, p. 96.
	1932-33	W 748, p. 94.
	1933-34	W 763, p. 91.
	1934-35	W 788, p. 94.
	1935-36	W 808, p. 90.
	1936-37	W 828, p. 82.
Nueces River near Three Rivers.....	1915	W 408, p. 29.
	1915-16	W 438, p. 66.
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	1917-18	W 478, p. 80.
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	1923-24	W 588, p. 165.
	1924-25	W 608, p. 194.
	1925-26	W 628, p. 152.
	1926-27	W 648, p. 94.
	1927-28	W 668, p. 92.
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	1929-30	W 703, p. 98.
	1930-31	W 718, p. 102.
	1931-32	W 733, p. 97.
	1932-33	W 748, p. 95.
	1933-34	W 763, p. 92.
	1934-35	W 788, p. 95.
	1935-36	W 808, p. 91.
	1936-37	W 828, p. 83.
Nueces River at Calallen.....	1915	W 408, p. 30.
	1915-16	W 438, p. 68.
	1916-17	W 458, p. 75.
	1917-18	W 478, p. 82.
	1918-20	†W 508, p. 95.
	1920-21	†W 528, p. 72.
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	1922-23	†W 568, p. 90.
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	1924-25	†W 608, p. 195.

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Gaging station	Year	Publication
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	1926-27	†W 648, p. 95.
	1927-28	†W 668, p. 93.
	1928-29	†W 688, p. 92.
	1929-30	†W 703, p. 99.
	1930-31	†W 718, p. 103.
	1931-32	†W 733. p. 98.
	1932-33	†W 748, p. 96.
	1933-34	†W 763, p. 93.
	1934-35	†W 788, p. 96.
	1935-36	†W 808, p. 92.
	1936-37	†W 828, p. 84.
Nueces River seepage investigation.....	1924	W 588, p. 168.
	1925	W 608, p. 197.
	1931	W 718, p. 104.
	1932	W 733, p. 99.
	1933	W 748, p. 97.
Frio River at Concan.....	1923-24	W 588, p. 170.
	1924-25	W 608, p. 197.
	1925-26	W 628, p. 155.
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	1929-30	†W 703, p. 100.
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	1934-35	W 788, p. 97.
	1935-36	W 808, p. 93.
	1936-37	W 828, p. 85.
Frio River near Frio Town.....	1924	W 588, p. 171.
	1924-25	W 608, p. 199.
	1925-26	W 628, p. 157.
	1926-27	W 648, p. 97.
Frio River near Derby.....	1915	*W 408, p. 31; W 568, p. 91.
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	1923-24	W 588, p. 173.
	1924-25	W 608, p. 199.
	1925-26	W 628, p. 158.
	1926-27	W 648, p. 98.
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	1928-29	W 688, p. 94.
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	1930-31	W 718, p. 107.
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	1933-34	W 763, p. 95.
	1934-35	W 788, p. 98.
	1935-36	W 808, p. 94.
	1936-37	W 828, p. 86.
Frio River at Fowlerton.....	1915	W 408, p. 32.
	1915-16	W 438, p. 71.
	1916-17	W 458. p. 79.
	1917-18	W 478, p. 85.
	1918-19	W 508, p. 99.
Frio River at Calliham.....	1924-25	W 608, p. 201.
	1925-26	W 628, p. 159.
	1932	W 733, p. 102.
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	1934-35	W 788, p. 99.
	1935-36	W 808, p. 95.
	1936-37	W 828, p. 87.
Frio River at Three Rivers.....	1915	†W 408, p. 33.
Frio River seepage investigation.....	1925	W 608, p. 202.
	1931	W 718, p. 108.
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Sabinal River seepage investigation.....	1934	W 763, p. 97.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Leona River near Divot.....	1924	W 588, p. 174.
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	1925-26	W 628, p. 161.
	1926-27	W 648, p. 99.
	1927-28	W 668, p. 95.
	1928-29	W 688, p. 94.
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	1931	W 718. p. 108.
	1933	W 748, p. 101.
	1934	W 763, p. 97.
	1935	W 788, p. 100.
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	1915-16	W 438, p. 73.
	1916-17	W 458, p. 80.
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	1918-19	W 508, p. 100.
Atascosa River at Whitsett.....	1924-25	††W 608, p. 205; W 733, p. 103.
	1925-26	W 628, p. 162.
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	1895	B 140, p. 178.
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	1895-96	†18th A. pt. 4, p. 259.
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	1899	†W 37, p. 283.
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	1900	†W 50, p. 352; 22d A, pt. 4, p. 353.
	1901	†W 66, p. 70; W 75, p. 155.
	1902	W 84, p. 181.
	1903	W 99, p. 378.
	1904	W 132, p. 67.
	1905	W 174, p. 49.
	1906	W 210, p. 55.
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	1909	W 268, p. 45.
	1910	W 288, p. 54.
	1911	W 308, p. 34.
	1912	W 328, p. 30.
	‡1889-93 1895-1913	W 358, p. 168.
	1913-14	W 388, p. 22.
	1914-15	W 408, p. 40.
	1915-23	W 568, p. 100.
	1923-24	W 588, p. 177.
	1924-25	W 608, p. 207.
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	1926-27	W 648, p. 101.
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	1928-29	W 688, p. 97.
	1929-30	W 703, p. 104.
	1930-31	W 718, p. 110.
	1931-37	(**)
Rio Grande at Tornillo Bridge, near Fabens.	1924-27	(**)
	1927-28	W 668, p. 100.
	1928-29	W 688, p. 98.
	1929-30	W 703, p. 105.
	1930-31	W 718, p. 111.
	1931-37	(**)
Rio Grande near Fort Hancock‡	1900	†W 50, p. 354; 22d A, pt. 4, p. 354.
	1901	†W 66,p.71; W 75,p.157; W 105,p.12.
	1902	W 84, p. 179.
	1903	W 99, p. 376.
	‡1900-1903	W 358, p. 199.
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	1924-25	W 608, p. 209.
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	1926-27	W 648, p. 102.

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	1930-31	W 718, p. 112.
	1931-37	(**)
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	1901	†W 66, p. 72; W 75, p. 157.
	1902	W 84, p. 177.
	1903	W 99, p. 373.
	1901-3	†W 105, p. 12.
	1904	W 132, p. 71.
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	1909	W 268, p. 48.
	1910	W 288, p. 56.
	1911	W 308, p. 37.
	1912	W 328, p. 33.
	‡1900-13	W 358, p. 203.
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	1923	W 568, p. 108.
	1923-24	W 588, p. 180.
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	1925-26	W 628, p. 171.
	1926-37	(**)
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	1902	W 84, p. 175.
	1903	W 99, p. 368.
	1901-3	†W 105, p. 13.
	1904	W 132, p. 75.
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	1906	W 210, p. 60.
	1907,1908	W 248, p. 55.
	1909	W 268, p. 51.
	1910	W 288, p. 59.
	1911	W 308, p. 39.
	1912	W 328, p. 35.
	‡1900-1913	W 358. p. 223
	1913-14	W 388, p. 26.
	1914-15	W 408, p. 42.
	1919-20	W 508, p. 108.
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	1925-26	W 628, p. 172.
	1926-37	(**)
Rio Grande at Boquillas.....	1928	W 668, p. 102.
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	1929-30	W 703, p. 107.
	1930-31	W 718, p. 113.
	1931-36	(**)
Rio Grande near Langtry‡	1900	†W 50, p. 357; 22d A, pt. 4, p. 355.
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	1902	W 84, p. 172.
	1903	W 99, p. 365.
	1901-3	†W 105, p. 13.
	1904	W 132, p. 80.
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	1906	W 210, p. 62.
	1907,1908	W 248, p. 60.
	1909	W 268, p. 54.
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	1911	W 308, p. 42.
	1912	W 328, p. 37.
	‡1900-1913	W 358. p. 245.
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	1914-15	W 408, p. 44.
	1919-20	W 508, p. 110.
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	1925-26	W 628. p. 174.
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	1928-29	W 688, p. 101.
	1929-30	W 703, p. 108.
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	1931-37	(**)

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Gaging station	Year	Publication
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	1902	W 84, p. 161.
	1903	W 99, p. 345.
	1901-3	†W 105, p. 13.
	1904	W 132, p. 84.
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	1910	W 288, p. 64.
	1911	W 308, p. 44.
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	1914-15	W 408, p. 45.
	1919-20	W 508, p. 112.
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	1925-26	W 628, p. 176.
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	1930-31	W 718, p. 115.
	1931-37	(**)
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	1902	W 84, p. 158.
	1903	W 99, p. 341.
	1901-3	†W 105, p. 13.
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	1911	W 308, p. 47.
	1912	W 328, p. 41.
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	1925-26	W 628, p. 178.
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	1930-31	W 718, p. 116.
	1931-37	(**)
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	1907,1908	†W 248, p. 75.
	1909	†W 268, p. 61.
	1910	†W 288, p. 69.
	1911	†W 308, p. 49.
	1912	†W 328, p. 43.
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	1913-14	†W 388, p. 35.
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	1925-26	W 628, p. 180.
	1926-37	(**)
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	1934-35	†W 788, p. 163.
	1935-36	†W 808, p. 230.
	1936-37	†W 828, p. 395.
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	1935-36	W 808, p. 231.
	1936-37	W 828, p. 396.
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	1935-36	W 808, p. 232.
	1936-37	W 828, p. 397.
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	1915-16	W 438, p. 95.
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	1917-18	W 478, p. 95.
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	1927-28	W 668, p. 108.
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	1935-36	W 808, p. 240.
	1936-37	W 828, p. 407.
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Bibliography of hydrometric data--Continued.

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	1917-18	W 478, p. 97.
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	1920-21	W 528, p. 87.
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	1923-24	W 588, p. 201.
	1924-25	W 608, p. 238.
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	1900	†W 50, p. 358.
	1901	†W 66, p. 76.
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	1903	†W 99, p. 355.
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	1904	†W 132, p. 104.
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	1906	W 210, p. 91.
	1907	W 248, p. 127.
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	1917-18	W 478, p. 99.
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	1924-25	W 608, p. 239.
	1925-26	W 628, p. 191.
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	1923-24	W 588, p. 205.
	1924-25	W 608, p. 241.
	1925-26	W 628, p. 193.
Pecos River near Sheffield.....	1921-22	W 548, p. 108.
	1922-23	W 568, p. 131.
	1923-24	W 588, p. 206.
	1924-25	W 608, p. 243.
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	1903	W 99, p. 351.
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	1905	W 174, p. 110.
	1906	W 210, p. 95.
	1907,1908	W 248, p. 130.
	1909	W 268, p. 90.
	1910	W 288, p. 123.
	1911	W 308, p. 86.
	1912	W 328, p. 94.
	‡1900-1913	W 358, p. 539.
	1913-14	W 388, p. 99.
	1914-15	W 408, p. 97.
	1915-16	W 438, p. 101.
	1916-17	W 458, p. 100.
	1917-18	W 478, p. 101.
	1918-20	W 508, p. 130.
	1920-21	W 528, p. 91.
	1921-22	W 548, p. 110.
	1922-23	W 568, p. 132.
	1923-24	W 588, p. 208.
	1924-25	W 608, p. 244.
	1925-26	W 628, p. 194.
	1926-27	W 648, p. 108.
	1927-28	W 668, p. 109.
	1928-29	W 688, p. 107.
	1929-30	W 703, p. 114.
	1930-31	W 718, p. 120.
	1931-37	(**)

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Pecos River seepage investigation....	1918	W 478, p. 103.
Delaware River near Angeles	1914	W 388, p. 106.
	1914-15	W 408, p. 103.
Farmers Independent canal near Porterville.	1922	W 548, p. 111.
	1922-23	W 568, p. 134.
	1923-24	W 588, p. 210.
	1924-25	W 608, p. 246.
Cedarvale canal near Barstow.....	1922	†W 548, p. 113.
	1922-23	†W 568, p. 135.
	1923-24	†W 588, p. 211.
	1924-25	†W 608, p. 247.
Margueretta flume near Pecos‡	1898	†W 358, p. 529.
	1900	†W 50, p. 360; †W 358, p. 529.
	1901	†W 66, p. 77.
	1902	†W 84, p. 168; †W 358, p. 529.
	1903	W 99, p. 355.
	1904	W 132, p. 104.
	1905	W 174, p. 105.
	1906	W 210, p. 91.
	1907	W 248, p. 127.
	‡1903-7	W 358, p. 529.
Boxley canal near Barstow.....	1923-24	W 588, p. 212.
	1924-25	W 608, p. 248.
Barstow canal near Barstow.....	1922	W 548, p. 114.
	1922-23	W 568, p. 136.
	1923-24	W 588, p. 213.
	1924-25	W 608, p. 249.
Madera Canyon near Toyahvale.....	1932-33	W 748, p. 140.
	1933-34	W 763, p. 174.
	1934-35	W 788, p. 182.
	1935-36	W 808, p. 247.
	1936-37	W 828, p. 415.
Madera Canyon seepage investigation..	1932-33	W 748, p. 141.
Toyah Creek seepage investigation....	1932-33	W 748, p. 142.
Little Aguja Canyon seepage investigation.	1932	W 748, p. 143.
Big Aguja Canyon seepage investigation.	1932	W 748, p. 144.
Phantom Lake Spring near Toyahvale...	1931-33	W 748, p. 145.
Giffin Spring at Toyahvale.....	1931-33	W 748, p. 147.
San Solomon Spring at Toyahvale.....	1931-33	W 748, p. 149.
Main canal of Reeves County Water Improvement District No. 1 seepage investigation.	1931,1933	W 748, p. 152.
Lateral canals of Reeves County Water Improvement District No. 1 seepage investigation.	1931	W 748, p. 154.
Reservoir outlet canal of Reeves County Water Improvement District No. 1 seepage investigation.	1932-33	W 748, p. 155.
West Sandia Spring at Balmorhea.....	1931-33	W 748, p. 156.
West Sandia Creek seepage investigation.	1932	W 748, p. 158.
East Sandia Spring at Balmorhea.....	1931-33	W 748, p. 158.
Cherry Canyon seepage investigation..	1932	W 748, p. 158.
Limpia Creek near Fort Davis.....	1925	W 608, p. 255.
	1925-26	W 628, p. 196.
	1926-27	W 648, p. 109.
	1927-28	W 668, p. 110.
	1928-29	W 688, p. 108.
	1929-30	W 703, p. 115.
	1930-31	W 718, p. 121.
	1931-32	W 733, p. 165.
Limpia Creek seepage investigation...	1932-33	W 748, p. 159.
Barrilla Creek near Saragosa.....	1925	W 608, p. 256.
	1925-26	W 628, p. 197, 198.
	1932	W 733, p. 166.
Grandfalls-Big Valley canal near Barstow.	1922	W 548, p. 115.
	1922-23	W 568, p. 138.
	1923-24	W 588, p. 214.
	1924-25	W 608, p. 250.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
Imperial high-line canal near Grandfalls.	1922	W 548, p. 117.
	1922-23	W 568, p. 140.
	1923-24	W 588, p. 216.
	1924-25	W 608, p. 252.
Imperial low-line canal near Grandfalls.	1922	W 548, p. 118.
	1922-23	W 568, p. 141.
	1923-24	W 588, p. 217.
	1924-25	W 608, p. 253.
Goodenough Springs near Comstock..	1929	W 688, p. 109.
	1929-30	W 703, p. 116.
	1930-31	W 718, p. 122.
	1931-37	(**)
Devils River near Juno.....	1925	W 608, p. 257.
	1925-26	W 628, p. 198.
	1926-27	W 648, p. 110.
	1927-28	W 668, p. 111.
	1928-29	W 688, p. 110.
	1929-30	W 703, p. 117.
	1930-31	W 718, p. 123.
	1931-32	W 733, p. 167.
	1932-33	W 748, p. 161.
	1933-34	W 763, p. 175.
	1934-35	W 788, p. 184.
	1935-36	W 808, p. 248.
	1936-37	W 828, p. 416.
Devils River at Devils River‡	1900	†W 50, p. 363; 22d A, pt.4, p.356.
	1901	†W 66, p. 79; W 75, p. 161.
	1902	W 84, p. 164.
	1903	W 99, p. 348.
	1901-3	†W 105, p. 20.
	1904	W 132, p. 122.
	1905	W 174, p. 123.
	1906	W 210, p. 105.
	1907,1908	W 248, p. 141.
	1909	W 268, p. 95.
	1910	W 288, p. 129.
	1911	W 308, p. 95.
	1912	W 328, p. 102.
	1900-1913	W 358, p. 599.
	1913-14	W 388, p. 108.
Devils River near Del Rio.....	1923-24	W 588, p. 219.
	1924-25	W 608, p. 259.
	1925-26	W 628, p. 200.
	1926-27	W 648, p. 111.
	1927-28	W 668, p. 112.
	1928-29	W 688, p. 111.
	1929-30	W 703, p. 118.
	1930-31	W 718, p. 124.
	1931-37	(**)
Devils River seepage investigation	1925	W 608, p. 261.
	1928	W 668, p. 113.
	1929	W 688, p. 112.
Pinto Creek near Del Rio.....	1928-29	W 688, p. 119.
	1929-30	W 703, p. 119.
	1930-31	W 718, p. 125.
	1931-37	(**)
Goodwin canal above Penitas.....	1928	W 668, p. 115.
	1928-29	W 688, p. 120.
	1929-30	W 703, p. 120.
	1930-31	W 718, p. 126.
Edinburgh canal at Penitas.....	1928	W 668, p. 115.
	1928-29	W 688, p. 121.
	1929-30	W 703, p. 121.
	1930-31	W 718, p. 127.
Mission canal near Mission.....	1928	W 668, p. 116.
	1928-29	W 688, p. 122.
	1929-30	W 703, p. 122.
	1930-31	W 718, p. 128.
Granjeno canal near Mission.....	1928	W 668, p. 117.
	1928-29	W 688, p. 123.
	1929-30	W 703, p. 123.
	1930-31	W 718, p. 128.

Bibliography of hydrometric data--Continued.

Gaging station	Year	Publication
McAllen canal near Hidalgo.....	1928	W 668, p. 117.
	1928-29	W 688, p. 124.
	1929-30	W 703, p. 124.
	1930-31	W 718, p. 129.
Rio Bravo canal near Hidalgo.....	1928	†W 668, p. 118.
	1928-29	†W 688, p. 125.
	1929-30	W 703, p. 125.
	1930-31	†W 718, p. 129.

The following water-supply papers for Texas relate to special subjects:

147. Destructive floods in the United States in 1904, by E. C. Murphy and others. 1905.

Contains discussion of the Pecos River Basin flood in New Mexico and Texas.

162. Destructive floods in the United States in 1905, with a discussion of flood discharge and frequency and an index to flood literature, by E. C. Murphy and others. 1906.

Gives accounts of floods on the Pecos River in New Mexico, Texas, and the Rio Grande and the Colorado River (of Texas) at Austin.

448. Gazetteer of streams in Texas. 1919.

488. The floods in central Texas in September 1921, by C. E. Ellsworth. 1923.

Discusses floods on Brazos, Colorado, Guadalupe, and San Antonio Rivers.

796-G. Major Texas floods of 1935, by Tate Dalrymple and others. 1939.

816. Major Texas floods of 1936, by Tate Dalrymple and others. 1937.

RECORDS OF DISCHARGE COLLECTED IN TEXAS BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

The table on the following pages contains a list of gaging stations in Texas at which records of discharge have been collected by agencies other than the Geological Survey. The records for these stations are not contained in publications of the Geological Survey.

Records of discharge collected in Texas by agencies other than the Geological Survey

Stream	Location	Period	Operated by	Remarks
Alamito Creek.....	Near Presidio.....	1932-37	U. S. section of International Boundary Commission.	Published in International Boundary Commission water bulletins.
Brushy Creek.....	Kluck farm near Riesel.....	1937	U. S. Soil Conservation Service.	Unpublished.
Cienegas Creek....	Near Del Rio.....	1931-36	U. S. section of International Boundary Commission.	Published in International Boundary Commission water bulltetins.
Devils River.....	.....do.....	a1931-37	.....do.....	Do.
Dolores Creek.....	Near San Ignacio.....	1932-36	.....do.....	Do.
Goodenough Springs	Near Comstock.....	a1931-37	.....do.....	Do.
Las Moras Creek...	Near Eagle Pass.....	1932-36	.....do.....	Do.
Los Olmos Creek...	Near Rio Grande City.....	1932-36	.....do.....	Do.
Lozier Creek.....	Near Langtry.....	1932-36	.....do.....	Do.
Pecos River.....	Near Comstock.....	a1931-37	.....do.....	Do.
Pinto Creek.....	Near Del Rio.....	a1931-37	.....do.....	Do.
Rio Alamo.....	Ciudad Mier, Tamaulipas, Mex.	1923-37	Mexican section of International Boundary Commission.	Do.
Rio Escondido.....	Villa Fuente, Coahuila, Mex.	1922-37	.....do.....	Records for 1923-24 and 1928 published as Rio San Antonio above Fuente in report of the United States section of the International Water Commission, United States and Mexico. Records for 1932-37 published in International Boundary Commission water bulletins.
Rio Grande.....	Boquillas.....	a1931-36	U. S. section of International Boundary Commission.	Published in International Boundary Commission water bulletins.
Do.....	Below Brownsville.....	1934-37	.....do.....	Do.
Do.....	Near Del Rio.....	a1931-37	.....do.....	Do.
Do.....	Eagle Pass.....	a1931-37	.....do.....	Do.
Do.....	Near El Paso.....	a1931-37	.....do.....	Do.

a Records for earlier years published in Geological Survey water-supply papers.

Records of discharge collected in Texas by agencies other than the Geological Survey--Continued

Stream	Location	Period	Operated by	Remarks
Rio Grande.....	Below Old Fort Quitman.....	a1931-37	U. S. section of International Boundary Commission	Published in International Boundary Commission water bulletins.
Do.....	Johnson Ranch.....	1936-37	.....do.....	Do.
Do.....	Langtry.....	a1931-37	.....do.....	Do.
Do.....	La Nutria, 9.5 miles above Candelaria.	1935-37	.....do.....	Do.
Do.....	Laredo.....	a1926-37	Mexican section of International Boundary Commission.	Do.
Do.....	Matamoras, Temaulipas, Mex...	b1926-37	.....do.....	Do.
Do.....	Above Presidio.....	a1926-37	U. S. section of International Boundary Commission.	Do.
Do.....	Below Presidio.....	a1926-37	.....do.....	Do.
Do.....	Rio Grande City.....	1932-37	.....do.....	Do.
Do.....	Roma.....	a1924-37	.....do.....	Do.
Do.....	Tornillo Bridge, near Fabens.	a1931-37	.....do.....	Do.
Do.....	Zapata.....	1932-37	.....do.....	Do.
Rio Salado.....	Near Guerrero, Tamaulipas, Mex.	1923-37	Mexicoan section of International Boundary Commission.	Do.
Rio San Diego.....	Jimenez, Coahuila, Mex.....	1924-37	.....do.....	Records for 1924-28 published in report of the United States section of the International Water Commission, United States and Mexico. Records for 1932-37 published in International Boundary Commission water bulletins.
Rio San Juan.....	Santa Rosalia, Tamaulipas, Mex.	1923-37	.....do.....	Published in International Boundary Commission water bulletins.
Rio San Rodrigo...	Near El Moral, Coahuila, Mex.	1922-37	Mexicoan section of International Boundary Commission.	Records for 1923-24, 1927-28 published in report of the United States section of the International Water Commission, United States and Mexico. Records for 1932-37 published in International Boundary Commission water bulletins.

San Felipe Creek..	Near Del Rio.....	1931-37	U. S. section of International Boundary Commission.	Published in International Boundary Commission water bulletins.
Sycamore Creek...	.....do.....	1932-36	.....do.....	Do.
Terlingua Creek...	Near Terlingua.....	1932-37	.....do.....	Do.

a Records for earlier years published in Geologioal Survey water-supply papers.
b Records for earlier years published as Rio Grande near Brownsville, Tex., Geological Survey water-supply papers.

MAXIMUM AND MINIMUM DISCHARGES AT GAGING STATIONS

Maximum stages and maximum and minimum discharges recorded at gaging stations in Texas

Station	Period of monthly discharge records	Drainage area in square miles	Extremes during period of monthly records					Maximum known stage		
			Maximum			Minimum				
			Date	Gage height in feet	Discharge in sec.-ft.	Date	Discharge in sec.-ft.	Date	Gage height in feet	Discharge in sec.-ft.
Arkansas River Basin										
Canadian River near Amarillo.....	1924-25	-	Aug. 7, 1925	9.2	-	(a)	0	-	-	-
Red River Basin										
Prairie Dog Town Fork of Red River near Canyon...	1924-26	-	May 27, 1926	3.8	1,460	(a)	0	-	-	-
Prairie Dog Town Fork of Red River near Estelline	1924-25	-	July 30, 1925	5.6	21,500	(a)	0	-	-	-
Red River near Burkburnett.....	1924-25	b20,150	May 15, 1925	8.8	38,000	(a)	0	-	-	-
Red River near Colbert, Okla..... (Formerly called Red River near Denison, Tex.)	1923-37	b38,700	May 21, 1935	24.0	201,000	Aug. 21, 1934	75	May 26, 1908	35.5	-
Red River at Arthur City.....	1906-11	b44,170	May 28, 1908	43.2	-	-	-	May 28,1908	43.2	-
Pease River near Crowell.....	1924-37	c2,937	Sept.18, 1936	13.0	86,000	(a)	0	June 4, 1891	19.6	-
Little Wichita River near Archer City.....	1932-37	496	Sept.17, 1936	25.7	-	(a)	0	June -, 1930	28.0	-
Sulphur River near Darden.....	1923-37	2,754	May 19, 1930	32.8	67,200	(a)	0	May 19, 1930	32.8	67,200
Cypress Creek near Jefferson.....	1924-37	848	May 20, 1930	25.4	22,600	(a)	0	May 20, 1930	25.4	22,600

a Several periods.
b About 5,860 square miles of the above area is probably noncontributing.
c About 533 square miles of the above area is probably noncontributing.

Maximum stages and maximum and minimum discharges recorded at gaging stations in Texas—Continued

Station	Period of monthly discharge records	Drainage area in square miles	Extremes during period of monthly records					Maximum known stage		
			Maximum			Minimum				
			Date	Gage height in feet	Discharge in sec.-ft.	Date	Discharge in sec.-ft.	Date	Gage height in feet	Discharge in sec.-ft.
Sabine River Basin										
Sabine River near Golden	1924-25	1,200	May 12, 1925	18.3	7,800	(a)	0	December 1913	24.5	-
Sabine River near Gladewater	1932-37	2,846	June 24, 1935	34.0	16,000	August 1934d	9.8	January 1932	39.4	48,500
Sabine River near Longview	1904-6, 1923-32	3,013	May 22,23,1930 Dec. 26, 1928	31.9 30.0	21,500 22,300	August 1925d	14	Dec. 26, 1928	30.0	22,300
Sabine River at Logansport, La	1903-37	4,858	May 5, 1915	36.9	47,000	August 1934d	23	May -, 1884	39.4	-
Sabine River at Sabinetown	1923-25	6,754	June 4, 1924	28.7	33,500	August 1925d	61	May 1884	41.0	-
Sabine River near Bon Wier	1923-34	8,323	Aug. 2, 1933	23.0	63,000	September 1925d	185	May 1884	25±	-
Sabine River near Ruliff	1924-37	9,448	May 24,25,1935	16.1	76,600	Nov.15-17,1932	362	Probably 1884	(e)	-
Lake Fork of Sabine River near Quitman	1924-26	586	Apr. 23, 1926	17.6	-	(a)	0	— 1918	20.8	-
Neches River Basin										
Neches River near Reese	1924-27	851	Apr. 9, 1927	f -11.6	7,490	(a)	0	April 1914	f -11.0	-
Neches River near Diboll	1923-25	2,670	Dec. 23, 1923	15.4	14,800	August 1925d	0	April 1922	16.9	-
Neches River near Rockland	1903-37	3,539	Apr. 2, 1922 May 22, 1935	28.9 28.9	48,500 48,500	Oct. 15, 1931	3.0	May 1884	34.9	-
Neches River at Evadale	1904-06, 1923-37	7,908	June 1, 1929	22.2	83,800	Sept. 10,1925	148	May 1884	26.2	175,000
Mud Creek at Ponta	1924-27	481	May 30, 1924	f -12.7	4,000	(a)	0	May 1908	f -9.2	-
Angelina River near Lufkin	1923-34	1,575	Feb. 24, 1932	18.3	38,200	Sept. 3, 1934	4.2	May 1908	25.4	-
Angelina River at Herger	1928-37	3,435	Feb. 24, 1932	36.4	48,800	Sept.22, 1937	13	August 1915	39.5	82,000
Attoyac Bayou near Chirene	1924-25	502	June 3, 1924	18.9	8,260	Aug. 27, 1925	7.0	June 1902	24.2	-

Ayish Bayou at San Augustine	1924-25	-	Mar. 16, 1925	6.7	-	August 1925d	1.3	-	-	-
Village Creek near Kountze	1924-27	838	June 2, 1924	f -11.2	14,300	Aug. 21, 1925	38	August 1915	f +3.1	-
Trinity River Basin										
West Fork of Trinity River at Bridgeport	1908-30	1,012	June 8, 1915	28.9	19,500	(a)	0	June 8, 1915	28.9	19,500
West Fork of Trinity River at Lake Worth Dam, above Fort Worth	1923-34	1,872	Nov. 18, 1923	2.2	7,600	(a)	0	Apr.28,29,1923	3.6	17,000
West Fork of Trinity River at Fort Worth	1920-37	2,431	Apr. 25, 1922	24.0	85,000	(a)	0	Apr. 25, 1922	24.0	85,000
West Fork of Trinity River at Grand Prairie	1925-37	2,886	Jan. 23, 1932	26.0	15,400	June 6, 1925	3.2	Apr. 26, 1922	29±	-
Trinity River at Dallas	1903-37	6,001	May 26, 1908	52.6	184,000	Sept. 11,1924	6.8	May 26, 1908	52.6	184,000
Trinity River near Oakwood	1905-37	12,840	June 4, 1908	52.2	-	Aug. 18, 1934	22	June 4, 1908	52.2	-
Trinity River at Riverside	1903-6, 1923-37	15,510	June 1, 1929	46.1	76,100	(a)	70	June 11, 1908	49.7	86,600
Trinity River at Romayor	1924-37	17,190	May 31, 1929	f -16.3	81,100	August 1925	132	(?)	f -5.0	-
Big Sandy Creek near Bridgeport	1936-37	276	Oct. 26, 1936	8.76	2,330	(a)	0	Sept. 1932	12.0	-
Clear Fork of Trinity River at Fort Worth	1924-37	522	Sept. 5, 1932	20.1	17,800	(a)	0	Apr. 25, 1922	27.5	74,300
Village Creek near Handley	1925-30	130	Dec. 17, 1928	17.9	-	(a)	0	Dec. 17, 1928	17.9	-
Mountain Creek near Grand Prairie	1925-33	267	Dec. 17, 1928	21.4	35,900	(a)	0	April 1922	25±	-
Elm Fork of Trinity River near Denton	1923-26	1,100	Mar. 20, 1924	29.0	8,330	(a)	0	May 1908	31.5	-
Elm Fork of Trinity River near Carrollton	1923-37	2,535	May 19, 1935	13.0	82,100	(a)	0	May 19, 1935g	13.0	82,100
Elm Fork of Trinity River near Dallas	1907-28	2,655	Apr. 27, 1922	h20.2	-	(a)	0	May 20, 1935g	(e)	-
Denton Creek near Roanoke	1923-27	704	Dec. 12, 1923	20.6	14,300	(a)	0	April 1922	26.0	-
East Fork of Trinity River near Rockwall	1923-37	831	June 16, 1935	23.4	64,800	(a)	0	April 1922	25±	-
Chambers Creek near Emhouse	1925	782	-	-	-	(a)	0	-	-	-

a Several periods.
d Two or more days during month.
e Not determined.
f Inverted gage.
g No record for flood of May 1908 which probably equalled or exceeded the flood of May 1935.
h Affected by backwater.

Maximum stages and maximum and minimum discharges recorded at gaging stations in Texas--Continued

Station	Period of monthly discharge records	Drainage area in square miles	Extremes during period of monthly records					Maximum known stage		
			Maximum			Minimum				
			Date	Gage height in feet	Discharge in sec.-ft.	Date	Discharge in sec.-ft.	Date	Gage height in feet	Discharge in sec.-ft.
Trinity River Basin--Continued										
Richland Creek near Richland	1925	760	-	-	-	(a)	0	-	-	-
San Jacinto River Basin										
San Jacinto River near Conroe	1924-27	832	Apr. 22, 1926	f -1.0	-	August 1925d	11	(?)	f +0.5	-
San Jacinto River near Humble	1928-37	1,811	May 31, 1929	33.0	111,000	September 1931d	14	May 31, 1929	33.0	111,000
Buffalo Bayou Basin										
Buffalo Bayou at Houston	1936-37	326	May 27, 1936	32.5	9,500	-	-	Dec. 9, 1935	54.4	40,000
Whiteoak Bayou at Houston	1936-37	87.0	May 25, 1936	39.0	4,020	July 23, 1937	0.4	Dec. 9, 1935	51.5	14,800
Brays Bayou at Houston	1936-37	98.2	May 25, 1936	47.0	6,600	(a)	5.2	May 31, 1929	50.4	11,100
Brazos River Basin										
Double Mountain Fork of Brazos River near Aspermont	1924-34	17,980	Oct. 15, 1926	18.1	52,000	(a)	0	Oct. 15, 1926	18.1	52,000
Brazos River at Seymour	1923-37	j14,490	Oct. 16, 1926	15.2	95,400	(a)	0	About 1906	21±	-
Brazos River near Graham	1915-20	j15,730	Nov. 2, 1919	15.6	-	(a)	0	Nov. 2, 1919	15.6	-
Brazos River near Palo Pinto	1933-37	j22,760	May 20, 1935	15.6	64,900	(a)	0	1876	(k)	-
Brazos River near Mineral Wells	1924-33	j23,150	June 16, 1930	28.4	95,600	(a)	0	1876	(e)	-
Brazos River at Brazos	1915-19	j23,260	June 8, 1915	20.0	-	(a)	0	May 24, 1908	22.0	-
Brazos River near Glen Rose	1923-37	j24,840	May 18, 1935	23.7	97,600	(a)	0	May 8, 1922	30.0	-
Brazos River at Waco	1898-1937	j28,500	Sept.27, 1936	40.9	246,000	(a)	0	Sept. 27, 1936	40.9	246,000
Brazos River near Bryan	1918-37	j38,430	May 20, 1930	46.1	-	Aug. 24, 1934	87	Dec. 3, 1913	54.0	-

Brazos River at Rosenberg	1922-31	j44,020	June 6, 1929	46.2	123,000	Sept. 2, 1929	250	Dec. 9, 1913	55.5	-
Brazos River at Richmond	1903-6, 1931-37	j44,050	May 27, 1935	36.1	90,900	August 1934d	33	December 1913	45.4	-
Salt Fork of Brazos River near Aspermont	1924-25	m4,986	Apr. 27, 1925	11.8	24,000	(a)	0	-	-	-
Clear Fork of Brazos River at Nugent	1924-37	2,220	Sept. 8, 1932	27.0	47,000	(a)	0	-- 1876	30±	-
Clear Fork of Brazos River at Fort Griffin	1924-37	3,974	Sept.10, 1932	35.1	33,600	(a)	0	September 1900	38±	-
Clear Fork of Brazos River at Crystal Falls	1922-29	4,320	Apr. 30, 1922	18.2	-	(a)	0	September 1900	25.5	-
Clear Fork of Brazos River near Crystal Falls	1928-37	5,658	Sept. 8, 1932	28.1	22,700	(a)	0	September 1900	34±	-
Clear Fork of Brazos River near Eliasville	1915-20, 1924-25	5,740	Sept.21, 1924	24.3	13,600	(a)	0	September 1900	38±	-
Paluxy Creek at Glen Rose	1924-25	424	Apr. 25, 1924	7.1	-	(a)	0	-	-	-
Nolands River at Blum	1924-25	275	May 13, 1925	10.4	8,060	(a)	0	-	-	-
Aquilla Creek near Aquilla	1925	309	July 31, 1925	5.5	-	(a)	0	-	-	-
North Bosque River near Clifton	1923-37	974	May 18, 1935	21.3	38,300	(a)	0	May 9, 1922	25±	-
South Bosque River near Speegleville	1924-30	388	June 14, 1927	29.4	54,500	(a)	0	-- 1900	31.5	-
Deer Creek at Chilton	1934-36	81.8	Dec. 6, 1935	16.5	16,000	(a)	0	September 1921	20.5	-
Leon River near Hamilton	1925-31	1,895	May 22, 1931	20.0	5,680	(a)	0	May 1908	29.8	-
Leon River near Belton	1923-37	3,547	Sept. 28, 1936	20.0	51,100	(a)	0	December 1913	25.0	-
Little River near Little River	1923-29	5,253	Oct. 2, 1927	43.3	28,400	Aug. 12, 1925	8.9	Sept. 10, 1921	50.8	331,000
Little River at Cameron	1916-37	7,034	Sept. 10, 1921	53.2	647,000	September 1918d	2.6	Sept. 10, 1921	53.2	647,000
Cowhouse Creek near Killeen	1924-25	650	May 10, 1925	6.5	-	(a)	0	-	-	-
Lampasas River at Youngsport	1924-37	1,242	Sept.28, 1936	33.5	53,200	(a)	0	September 1873	44.2	-

a Several periods.
d Two or more days during month.
e Not determined.
f Inverted gage.

i About 6,470 square miles of the above area is probably noncontributing.
j About 9,240 square miles of the above area is probably noncontributing.
k Probably slightly higher than 24 feet.
m About 2,770 square miles of the above area is probably noncontributing.

Maximum stages and maximum and minimum discharges recorded at gaging stations in Texas--Continued

Station	Period of monthly discharge records	Drainage area in square miles	Extremes during period of monthly records: Maximum: Date	Maximum: Gage height in feet	Maximum: Discharge in sec.-ft.	Minimum: Date	Minimum: Discharge in sec.-ft.	Maximum known stage: Date	Maximum known stage: Gage height in feet	Maximum known stage: Discharge in sec.-ft.
Brazos River Basin--Continued										
San Gabriel River at Georgetown	1924-25, 1934-37	415	Sept.16, 1936	17.7	32,400	Sept. 20, 1934	1.4	Sept. 10, 1921	39.4	160,000
San Gabriel River at Circleville	1924-34	602	May 29, 1929	34.2	53,400	(a)	0	September 1921	40.6	-
Brushy Creek at Coupland	1924-26	198	Oct. 13, 1925	23.2	-	(a)	0	September 1921	38.2	-
Big Elm Creek near Temple	1934-36	68.5	June 15, 1935	18.0	15,700	(a)	0	September 1921	21.0	-
Big Elm Creek near Buckholts	1934-36	166	Dec. 6, 1935	15.9	27,600	(a)	0	September 1921	16.0	-
North Elm Creek near Ben Arnold	1934-36	30.3	Dec. 6, 1935	8.9	3,540	(a)	0	-	-	-
Yegua Creek near Somerville	1924-37	990	May 30, 1929	16.7	33,600	(a)	0	Dec. 5, 1913	18.6	-
Navasota River near Easterly	1924-37	949	Sept. 5, 1932	21.9	48,500	(a)	0	June 1900	24.0	63,400
Colorado River Basin										
Colorado River at Colorado	1923-25	n4,275	Apr. 24, 1925	11.4	5,180	(a)	0	(?)	33±	-
Colorado River near Robert Lee	1923-27	o15,860	Sept. 6, 1926	20.2	32,500	(a)	0	(?)	28.5	-
Colorado River near Bronte	1915-18	o15,940	Oct. 15, 1916 Sept.25, 1916	15.0 15.0	- -	(a) -	0 -	Oct. 6, 1919 Sept. 17, 1936	17.1 27.3	- -
Colorado River at Ballinger	1907-37	o16,840	Sept.18, 1936	28.6	75,400	(a)	0	-- 1884	36.0	-
Colorado River near Milburn	1923-34	p24,600	Oct. 15, 1930	48.7	76,100	(a)	0	Sept. 19, 1936	60.3	-
Colorado River near San Saba	1915-22, 1930-37	p30,600	Sept.21, 1936	56.7	179,000	August 1918d	1.5	Sept. 25, 1900	57.5	184,000
Colorado River near Tow	1923-34	p31,120	Oct. 17, 1930	22.5	69,900	Aug. 5, 1930	20	Sept. 21, 1936	32.1	202,000

Colorado River at Marble Falls	1916-26	p36,120	May 1, 1922	22.3	q104,000	(a)	0	June 15, 1935	48.2	-
Colorado River at Austin	1898-1937	p38,150	June 15, 1935	41.2	481,000	Aug. 18, 1918	13	July 7, 1869	43.0	-
Colorado River at Smithville	1930-37	p39,650	June 16, 1935	42.5	305,000	Nov. 2, 1934	76	December 1913	47.4	-
Colorado River at Columbus	1904-11, 1916-30	p40,840	June 1, 1929	38.0	110,000	September 1910	r80	Dec. 6, 1913	44.1	-
Colorado River near Eagle Lake	1930-37	p40,940	June 19, 1935	29.4	177,000	-	-	December 1913	32±	-
Colorado River at Wharton	1919-25	p41,150	May 6, 1922	40.7	-	Aug. 6, 1925	0	December 1913	44.0	-
Deep Creek near Snyder	1923-25	120	Apr. 24, 1925	15.5	5,180	(a)	0	(?)	18±	-
Elm Creek at Ballinger	1932-37	458	Sept. 3, 1935	10.3	26,100	(a)	0	Sept. 3, 1935	10.3	26,100
South Concho River at Christoval	1930-37	434	Sept.17, 1936	20.5	80,100	(a)	2.1	Aug. 6, 1906	23.1	-
South Concho River at San Angelo	1931-37	s2,687	Sept.17, 1936	h23.4	111,000	(a)	0	Aug. 6, 1906	29.7	-
Concho River near San Angelo	1915-37	t4,492	Sept.17, 1936	46.6	230,000	Nov. 29, 1931	0	Aug. 6, 1906	47.5	246,000
Concho River near Paint Rock	1915-37	t5,532	Sept.17, 1936	41.3	301,000	(a)	0	Sept. 17, 1936	41.3	301,000
Middle Concho River near Tankersly	1930-37	s1,280	Sept.26, 1936	24.2	35,000	(a)	0	-- 1922	27.2	-
Spring Creek near Tankersly	1930-37	734	Sept.17, 1936	20.3	23,900	(a)	0	(?)	25±	-
North Concho River near Carlsbad	1924-37	u1,529	Sept.26, 1936	16.0	94,600	(a)	0	Sept. 26, 1936	16.0	94,600
North Concho River at San Angelo	1915-31	u1,798	June 13, 1930	22.5	47,000	(a)	0	Sept. 17, 1936	39.9	184,000
Pecan Bayou at Brownwood	1917-18, 1923-37	1,614	Oct. 14, 1930	16.9	52,700	(a)	0	Oct. 14, 1930	16.9	52,700
San Saba River at Menard	1915-37	1,151	Sept.16, 1936	21.2	68,600	(a)	0	June 5, 1899	23.7	-
San Saba River at San Saba	1915-37	3,046	Apr. 26, 1922	42.1	57,000	(a)	0	June 6, 1899	42.6	-

a Several periods.
d Two or more days during month.
h Affected by backwater.
n About 2,440 square miles of the above area is probably noncontributing.
o About 11,500 square miles of the above area is probably noncontributing.
p About 11,800 square miles of the above area is probably noncontributing.
q Mean for day on which maximum occurred.
r Originally published as 10 second-feet, which is grossly in error as indicated by comparison with record for Colorado River at Austin. Revised discharge of 80 second-feet based on shape of well-defined rating curve developed after 1910 and on low-stage measurements made in August 1910.
s About 152 square miles of the above area is probably noncontributing.
t About 275 square miles of the above area is probably noncontributing.
u About 123 square miles of the above area is probably noncontributing.

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Maximum stages and maximum and minimum discharges recorded at gaging stations in Texas--Continued

Station	Period of monthly discharge records	Drainage area in square miles	Extremes during period of monthly records					Maximum known stage		
			Maximum			Minimum				
			Date	Gage height in feet	Discharge in sec.-ft.	Date	Discharge in sec.-ft.	Date	Gage height in feet	Discharge in Sec.-ft.
Colorado River Basin--Continued										
North Llano River near Junction	1915-37v	914	Sept.16, 1936	24.9	94,800	(a)	0	Sept. 16, 1936	24.9	94,800
Llano River near Junction	1915-37	1,762	June 14, 1935	43.3	319,000	August 1918d	13	June 14, 1935	43.3	319,000
Llano River near Castell	1923-37	3,514	June 14, 1935	37.0	388,000	Aug. 26, 1934	6.4	June 14, 1935	37.0	388,000
Pedernales River at Stonewall	1924-34	647	May 28, 1929	14.2	28,300	1934	1.2	April 1900	24±	-
Pedernales River near Spicewood	1923-37	1,294	May 28, 1929	40.4	155,000	(a)	0	May 28, 1929	40.4	155,000
Little Walnut Creek near Austin	1924-26	12	Oct. 13, 1925	9.0	-	(a)	0	September 1921	21±	-
Onion Creek near Del Valle	1924-30	337	May 28, 1929	24.8	76,000	(a)	0	Sept. 10, 1921	33.6	138,000
Guadalupe River Basin										
Guadalupe River near Comfort	1918-32	916	July 1, 1932	27.6	182,000	Aug. 2, 1918	.4	July 1869	30±	-
Guadalupe River near Spring Branch	1922-37	1,432	July 3, 1932	42.1	121,000	Aug. 18, 1923	4.7	-- 1900	45 to 50	-
Guadalupe River above Comal River at New Braunfels	1927-37	1,666	June 15, 1935	33.0	101,000	Sept. 1, 1934	12	1869; Dec. 1913	38±	-
Guadalupe River at New Braunfels	1915-27	1,774	Sept.10, 1921	28.6	56,600	(a)	w0	December 1913	40±	-
Guadalupe River near Gonzales	1915-22	3,603	Oct. 18, 1919	34.1	43,600	Oct. 20, 1918	155	Dec. 4, 1913	38.5	-
Guadalupe River near Cuero	1903-06	5,020	-	-	-	-	-	-	-	-
Guadalupe River below Cuero	1916-35	5,073	May 30, 1929	35.2	101,000	Nov. 4, 1917	x165	July 2, 1936	40.0	-
Guadalupe River at Victoria	1934-37	5,676	July 3, 1938	31.2	179,000	Nov. 13, 1935	354	July 3, 1936	31.2	179,000
Comal River at New Braunfels	1927-37	-	June 15, 1935	h30.7	-	(a) 1930	x246	December 1913	h35.4	-
San Marcos River at San Marcos	1915-21	-	Sept.10, 1921	38.8	-	Jan. 9, 1918	x71	-	-	-

San Marcos River at Ottine	1915-37	1,249	May 29, 1929	43.3	202,000	Sept. 16, 1917	x40	December 1913	44.0	-
Blanco River at Wimberley	1924-26, 1928-37	378	May 28, 1929	31.1	113,000	September 1934d	3.5	May 28, 1929	31.1	113,000
Plum Creek near Lockhart	1925-30	184	Apr. 21, 1926	22.6	26,000	(a)	0	December 1913	26.8	-
Plum Creek near Luling	1930-37	356	July 1, 1936	25.7	78,500	July 19, 1934	.8	July 1, 1936	25.7	78,500
Peach Creek near Dilworth	1930-33	445	Jan. 6, 1932	21.1	5,310	(a)	0	June 30, 1936	26.5	-
Sandies Creek near Westhoff	1930-34	493	Apr. 30, 1932	21.8	5,780	Aug. 11, 1932	0	July 2, 1936	32.2	92,700
Coleto Creek near Schroeder	1930-33	365	Jan. 4, 1932	14.1	28,600	September 1930d	1.4	October 1925	20.0	-
San Antonio River at San Antonio	1915-29	38	Sept.10, 1921	20.1	15,300	(a)	w0	July 5, 1819	(y)	-
San Antonio River at Calaveras	1918-25	1,782	Sept.11, 1921	42.0	-	Sept. 14, 1918	15	Sept. 11, 1921	42.0	-
San Antonio River near Falls City	1925-37	2,067	June 13, 1935 July 3, 1936	h22.3 19.4	12,400 16,200	- May 1928d	- 36	- October 1913	- 28.4	- -
San Antonio River at Goliad	1924-29	3,914	Jan. 11, 1929	31.8	13,100	(a) 1927	44	October 1913	46.9	-
San Pedro Creek at San Antonio	1916-29	-	Sept. 9, 1921	h8.6	-	(a)	w0	Sept. 9, 1921	h8.6	-
Medina River near Pipe Creek	1923-34	412	July 1, 1932	33.8	64,000	September 1934d	.3	1919	42±	-
Medina River near Riomedina	1921-34	606	Apr. 21, 1926	5.2	z11,800	(a)	0	-	-	-
Cibolo Creek at Sutherland Springs	1924-29	665	Apr. 21, 1926	28.5	23,800	November 1928d	4.4	October 1913	39±	-
Cibolo Creek near Falls City	1930-37	831	June 14, 1935	33.0	28,600	(a)	6.8	October 1913	38±	-
<u>Nueces River Basin</u>										
Nueces River at Laguna	1923-37	764	Sept.21, 1923 June 14, 1935	26.5 26.0	226,000 213,000	November 1934d	7.8	June 1913	29±	-
Nueces River near Uvalde	1927-37	1,930	June 14, 1935	36.9	616,000	February 1929d	0.2	June 14, 1935	36.9	616,000

a Several periods.
d Two or more days during month.
h Affected by backwater.
v Discharge record for water years 1935-36 and 1936-37 withheld from publication because of lack of definition of rating curve.
w Caused by regulation.
x Mean daily discharge; affected by partial regulation.
y Flood of September 1921 was probably a little lower.
z Flow regulated by Medina Reservoir, 4 miles upstream; capacity, 254,000 acre-feet.

Maximum stages and maximum and minimum discharges recorded at gaging stations in Texas--Continued

Station	Period of monthly discharge records	Drainage area in square miles	Extremes during period of monthly records					Maximum known stage		
			Maximum			Minimum				
			Date	Gage height in feet	Discharge in sec.-ft.	Date	Discharge in sec.-ft.	Date	Gage height in feet	Discharge in sec.-ft.
Nueces River Basin--Continued										
Nueces River near Cincnia	1915-25	2,151	May 31, 1925	50.0	-	(a)	0	June 1935	(e)	-
Nueces River near Cotulla	1915-18	5,030	Aug. 22, 1916	6.5	23,000	(a)	0	June 1935	(e)	-
Nueces River at Cotulla	1923-37	5,260	June 18, 1935	32.4	82,600	(a)	0	June 18, 1935	32.4	82,600
Nueces River near Three Rivers	1915-37	15,600	Sept.18, 1919	46.0	85,000	(a)	0	Sept. 18, 1919	46.0	85,000
Nueces River at Calallen	1915-18	16,920	June 19, 1918	q7.2	6,230	August 1918d	0	June 19, 27, 1935	12.4	-
Frio River at Concan	1923-37	485	July 1, 1932	34.4	162,000	August 1928d	8.1	July 1, 1932	34.4	162,000
Frio River near Frio Town	1924-27	1,465	Apr. 20, 1926	30.5	30,200	(a)	0	September 1913aa	51.9	-
Frio River near Derby	1915-37	3,493	July 4, 1932	29.4	230,000	(a)	0	July 4, 1932	29.4	230,000
Frio River at Fowlerton	1915-19	4,224	-- 1919	(e)	-	(a)	0	July 1932	(e)	-
Frio River at Calliham	1924-26, 1932-37	5,491	July 6, 1932	39.2	109,000	(a)	0	July 6, 1932	39.2	109,000
Leona River near Divot	1924-29	565	May 26, 1929	15.5	6,130	(a)	0	July 4, 1932	20.2	49,300
Frio Lake outlet near Fowlerton	1915-19	-	Aug. 27, 1919	3.7	5,230	(a)	0	-	-	-
Atascosa River at Whitsett	1925-26, 1932-37	1,171	June 14, 1935	38.0	38,300	(a)	0	June 14, 1935	38.0	38,300
Rio Grande Basin										
Rio Grande near El Paso	1889-93, 1897-1937	bb29,267	June 12, 1905	-	cc24,000	(a)	0	June 12, 1905	-	24,000
Rio Grande at Tornillo Bridge, near Fabens	1924-37	-	Sept. 5, 1925	-	q6,500	(a)	0	Sept. 5, 1925	-	q6,500
Rio Grande below Old Fort Quitman, near Finlay	1923-37	bb30,897	Sept.11, 1925	q7.0	q2,600	July 19, 1934	3.0	-	-	-

Rio Grande at Boquillas	1928-36	bb69,373	Oct. 4, 1932	24.5	cc95,000	Sept. 29, 1930	123	September 1904	32.4	-
Rio Grande at Langtry	1900-14, 1919-20, 1924-37	bb73,965	June 18, 1922	56.9	cc200,000	May 1903d	270	June 18, 1922	56.9	200,000
Rio Grande near Del Rio	1900-15, 1919-20, 1924-37	bb119,611	Sept. 1, 1932	34.5	cc605,000	May 1930d	938	Sept. 1, 1932	34.5	605,000
Rio Grande at Eagle Pass	1900-16, 1923-37	bb123,409	Sept. 2, 1932	49.0	cc569,000	May 26, 1930	940	Sept. 2, 1932	49.0	569,000
Rio Grande at Laredo	1900, 1903-14, 1922-37	bb129,362	Sept. 3, 1932	52.2	cc402,000	1910	939	Sept. 3, 1932	52.2	402,000
Rio Grande at Roma	1900-14, 1922-37	bb156,461	Sept. 5, 1932	35.4	dd203,000	May 29, 1925	975	Sept. 5, 1932	35.4	dd203,000
Rio Grande at Hidalgo	1928-36	bb175,110	Sept.7-8, 1932	-	ee151,600	-	-	-	-	-
Pecos River near Angeles	1914-37	-	Aug. 8, 1916	22.5	-	Aug. 20, 1934	23	October 1904	(ff)	-
Pecos River near Porterville	1922-26	-	Aug. 12, 1925	12.7	5,690	July 25, 1925	20	October 1904	(e)	-
Pecos River 9 miles above Barstow	1916-21	-	Aug. 10, 1916	12.1	-	June 24, 1917	22	October 1904	(e)	-
Pecos River above Barstow	1922-26	-	Oct. 15, 1923	9.8	-	(a) 1923	.2	October 1904	(e)	-
Pecos River near Pecos	1899-1907	-	Oct. 5, 1904	19.0	-	June 1899d	2.0	Oct. 5, 1904	19.0	-
Pecos River near Barstow	1914-15	-	April 20, 1915	12.5	-	-	-	October 1904	(e)	-
Pecos River near Grandfalls	1916-26	-	Sept.25, 1919	9.6	13,000	(a) 1925	.5	October 1904	(e)	-
Pecos River near Buena Vista	1922-25	-	Oct. 19, 1923	7.8	2,640	July 27, 1925	6.5	-	-	-

a Several periods.
d Two or more days during month.
e Not determined.
q Mean for day on which maximum occurred.
aa No record obtained for floods in July 1932 and June 1935.
bb Contributing area only; measured by International Boundary Commission, United States and Mexico.
cc Records furnished by International Boundary Commission, United States and Mexico.
dd Based on current-meter measurements by International Boundary Commission. Flood of June 22, 1922, reached a peak stage of 35.0 feet; Geological Survey computed discharge by slope-area method to be 240,000 second-feet, which is subject to error.
ee Included flow in north and south floodways south of McAllen. Record furnished by International Boundary Commission, United States and Mexico.
ff A few feet higher than flood of August 1916.

Maximum stages and maximum and minimum discharges recorded at gaging stations in Texas--Continued

Station	Period of monthly discharge records	Drainage area in square miles	Extremes during period of monthly records: Maximum: Date	Maximum: Gage height in feet	Maximum: Discharge in sec.-ft.	Minimum: Date	Minimum: Discharge in sec.-ft.	Maximum known stage: Date	Maximum known stage: Gage height in feet	Maximum known stage: Discharge in sec.-ft.
Rio Grande Basin--Continued										
Pecos River near Sheffield	1921-25	-	Oct. 20, 1923	6.4	2,460	Aug. 15, 1923	15	-	-	-
Pecos River near Comstock	1900-37	bb38,283	Sept. 1, 1932	38.2	cc116,000	Aug. 31, 1930	97	Sept. 1, 1932	38.2	116,000
Delaware River near Angeles	1914-15	-	Apr. 17, 1915	4.2	-	(a) 1915	.1	-	-	-
Madera Canyon near Toyahvale	1932-37	54	Sept. 29, 1932	8.0	-	(a)	0	-	-	-
Limpia Creek near Fort Davis	1925-32	288	Aug. 30, 1932	10.4	14,200	(a)	0	Aug. 30, 1932	10.4	14,200
Barrilla Creek near Saragosa	1925-26, 1932	-	Aug. 30, 1932	10.4	15,500	(a)	0	Aug. 30, 1932	10.4	15,500
Devils River near Juno	1925-37	2,733	Sept. 1, 1932	31.3	370,000	June 4-6, 1930	48	Sept. 1, 1932	31.3	370,000
Devils River near Del Rio	1900-14, 1924-37	4,000	Sept. 1, 1932	41.0	cc597,000	Apr. 20, 1933	25	Sept. 1, 1932	41.0	597,000
Pinto Creek near Del Rio	1928-37	242	Aug. 31, 1932	21.1	cc54,650	(a)	0	Aug. 31, 1932	21.1	54,650

a Several periods.

bb Contributing area only; measured by International Boundary Commission, United States and Mexico.

cc Records furnished by International Boundary Commission, United States and Mexico.

MAXIMUM DISCHARGES AT POINTS OTHER THAN GAGING STATIONS

Maximum floods measured at points other than gaging stations in Texas

Stream and place of measurement	Location	Lat.	Long.	Drainage area in square miles	Date	Peak Discharge (a): Second-feet	Peak Discharge (a): Sec.-ft. per square mile
Arkansas River Basin							
Mustang (Rita Blanca) Creek	6.6 miles east of Perico	36°17'	102°44'	396	May 31, 1937	39,800	101
Palo Duro Creek	Hansford, near Spearman	36°11'	101°19'	-	June 4, 1936	18,100	-

Red River Basin							
Tierra Blanca Creek (head of Red River)	Dam site 2 miles south of Umbarger....	34°55'	102°05'	b575	May 30, 1937	6,100	10.6
Prairie Dog Town Fork of Red River....	In State park 14 miles east of Canyon.	34°59'	101°41'	-	May 10, 1937	14,100	-
Kent Creek.....	1 mile below Hall-Brisco County line 3 miles southwest of Turkey.	34°21'	100°55'	c35	June 8, 1931	c7,760	222
McClellan Creek.....	Beaver Dam Bridge, 4 miles north of Alanreed.	35°18'	100°44'	-	June 8, 1937	d11,900	-
North Fork of Little Wichita River....	Near Archer City.....	33°39'	98°48'	222	Sept. 10, 1929	4,950	22.3
Sabine River Basin							
Flat Fork Creek.....	Near Center.....	31°54'	94°13'	58	July 24, 1933	42,200	728
Tenaha Creek.....	Near Joaquin.....	31°50	93°57'	374	July 24, 1933	117,000	313
Trinity River Basin							
Cedar Creek.....	Near Trinidad.....	32°13'	96°05'	910	Sept. 29, 1936	35,400	38.9
Buffalo Bayou Basin							
Buffalo Bayou.....	Galveston, Harrisburg & San Antonio Railway bridge in Houston.	29°45'	95°27'	319	Dec. 9, 1935	e40,000	125
Buffalo Bayou.....	Lockwood Street Bridge, Houston.....	29°45'	95°19'	458	Dec. 9, 1935	e52,800	115
Little Whiteoak Bayou.....	At Sylvester Street Bridge, Houston...	29°49'	95°23'	18.1	Dec. 9, 1935	e4,950	273
Brazos River Basin							
Double Mountain Fork of Brazos River..	Near Slaton.....	33°27'	101°33'	-	Sept. 21, 1936	1,070	-
White River.....	Plainview.....	34°11'	101°42'	-	May 24, 1937	1,220	-
White River.....	15 miles below Plainview.....	34°04'	101°29'	-	May 28, 1937	f79.5	-

a Discharge determined by slope-area method, except as noted.
b Drainage area determined by Resettlement Administration, U. S. Department of Agriculture, Region 12, Land Use Planning Division, from map drawn from aerial photographs of U. S. Soil Conservation Service. Area is approximate and includes only contributing part.
c Base data for slope-area computation and drainage area furnished by Fort Worth & Denver South Plains Railroad.
d Higher stages have occurred within memory of local residents.
e Measured with current meter. Record furnished by M. J. McCall, engineer for Harris County.
f This is peak flow of rise shown by preceding measurement to have passed Plainview on May 24, 1937, and is probably maximum known at this point. The peak flow of this rise was estimated to be 10 or 12 second-feet at the edge of the cap rock below this site. Only once before was water that had passed Plainview known to have spilled over the cap rock.

Maximum floods measured at points other than gaging stations in Texas--Continued

Stream and place of measurement	Location	Lat.	Long.	Drainage area in square miles	Date	Peak Discharge (a)	
						Second-feet	Sec.-ft. per square mile
Brazos River Basin--Continued							
White River	7 miles south of Floydada	33°53'	101°20'	-	Sept. 21, 1936	875	-
Bosque River	Lake Waco Dam, Waco	31°34'	97°12'	1,660	Sept. 27, 1936	g96,000	57.5
Gonzales Creek	Breckenridge	32°46'	98°54'	157	Sept. 21, 1924	7,960	50.7
Childress Creek	Near China Springs	31°43'	97°20'	79	Sept.26 or 27, 1936	47,000	595
Aquilla Creek	Near Gholson	31°44'	97°12'	372	Sept. 27, 1936	84,500	227
Sevenmile Draw	Ames	31°31'	97°47'	2.4	Sept. 26, 1936	5,140	2,140
Sulphur Creek	Near Lampasas	31°04'	98°08'	112	Sept. 27, 1936	h30,400	271
Salado Creek	Near Salado	30°58'	97°30'	148	Sept. 10, 1921	143,000	966
Brushy Creek	Round Rock	30°31'	97°40'	74.7	Sept. 10, 1921	34,500	462
Colorado River Basin							
Colorado River	Near Stacy	31°31'	99°40'	i11,660	Sept. 18, 1936	356,000	30.5
Pecan Creek	Near San Angelo	31°19'	100°27'	81	Sept. 15, 1936	30,500	377
East Fork of Grape Creek	Near Carlsbad	31°39'	100°34'	32	Sept. 17, 1936	23,500	734
Grape Creek	Near Carlsbad	31°38'	100°34'	53	Sept. 17, 1936	31,800	600
Grape Creek	Gulf, Colorado, & Santa Fe Railroad bridge near Carlsbad.	31°34'	100°34'	79	Sept. 17, 1936	j45,600	577
West Fork of Grape Creek	Near Carlsbad	31°40'	100°35'	17	Sept. 17, 1936	14,200	836
Dry Creek	Near San Angelo	31°40'	100°29'	14	Sept. 17, 1936	24,600	1,760
Dry Creek	Gulf, Colorado, & Santa Fe Railroad bridge near San Angelo.	31°33'	100°32'	48	Sept. 17, 1936	j19,200	408
Red Bank Creek	Near San Angelo	31°41'	100°26'	76	Sept. 17, 1936	2,490	3,280

Pecan Bayou	Just below mouth of Jim Ned Creek near Brownwood.	31°44'	98°58'	1,614	July 3, 1932	k235,000	146
Jim Ned Creek	Near Brownwood	31°48'	99°02'	668	July 3, 1932	187,000	280
San Saba River	Near Fort McKavett	30°52'	100°01'	688	Sept. 16, 1936	50,700	73.7
North Valley Prong of San Saba River	Near Fort McKavett	30°51'	100°08'	328	Sept. 16, 1936	38,800	118
Middle Valley Prong of San Saba River	Near Fort McKavett	30°50'	100°08'	188	Sept. 16, 1936	20,900	111
East Fork of Terrett Draw above Cool Kiln Draw.	Near Fort McKavett	30°41'	100°11'	19	Sept. 16, 1936	12,100	637
East Fork of Terrett Draw below Cool Kiln Draw.	Near Fort McKavett	30°43'	100°10'	33	Sept. 16, 1936	18,700	567
Terrett Draw	Near Fort McKavett	30°50'	100°07'	103	Sept. 16, 1936	35,800	348
West Fork of Terrett Draw	Near Fort McKavett	30°45'	100°10'	21	Sept.15 or 16, 1936	d5,880	280
Colston Draw	Near Fort McKavett	30°47'	100°07	24	Sept. 16, 1936	d10,000	417
Brady Creek	Brady	31°09'	99°20'	554	Oct. 6, 1930	48,400	87.4
North Llano River	Roosevelt	30°30'	100°03'	443	Sept. 16, 1936	d22,600	51.0
West Fork of Copperas Creek	Near Roosevelt	30°33'	100°03'	81	Sept. 16, 1936	50,400	622
Copperas Creek	Near Roosevelt	30°31'	100°00'	118	Sept.15 or 16, 1936	98,900	838
Bear Creek	Near Junction	30°32'	99°50'	155	Sept. 16, 1936	d31,300	202
South Llano River	Near Telegraph	30°15'	99°57'	540	June 14, 1935	160,000	296
Point Creek	Near Telegraph	30°18'	99°53'	218	June 14, 1935	69,300	318
East Fork of James River	At Old Noxville	30°22'	99°24'	60.8	July 1, 1932	105,000	1,730
James River	Near Mason	30°35'	99°19'	336	July 2, 1932	85,900	256
Sandy Creek	Near Marble Falls	30°34'	98°28'	344	Sept. 15, 1936	41,500	121
Walnut Creek	Near Marble Falls	30°32'	98°27'	24	Sept. 15, 1936	13,600	567

a Discharge determined by slope-area method, except as noted.
d Higher stages have occurred within memory of local residents.
g Determined from flow over dam.
h Flood of 1873 about 2.5 feet higher than that of 1936.
i Noncontributing areas eliminated.
j Computed by contracted-opening method.
k Determined from rate of storage in Brownwood Reservoir.

Maximum floods measured at points other than gaging stations in Texas--Continued

Stream and place of measurement	Location	Lat.	Long.	Drainage area in square miles	Date	Peak Discharge (a)	
						Second-feet	Sec.-ft. per square mile
Colorado River Basin--Continued							
Hamilton Creek	Near Marble Falls	30°38'	98°14'	67	Sept. 15, 1936	29,100	435
Miller Creek	Near Johnson City	30°12'	98°18'	56.3	May 28, 1929	22,900	407
Little Barton Creek	Near Bee Cave	30°18'	97°58'	6.3	May 28, 1929	2,450	389
Barton Creek	Near Riley	30°15'	97°49'	114	May 28, 1929	39,400	346
Onion Creek	Near Dripping Springs	30°10'	98°06	54.8	May 28, 1929	21,900	400
Onion Creek	Near Buda	30°05'	97°51'	151	May 28, 1929	53,200	352
Guadalupe River Basin							
North Fork of Guadalupe River	Near Hunt	30°03'	99°27'	110	July 1, 1932	108,000	982
Guadalupe River	Near Ingram	30°03'	99°15'	336	July 1, 1932	206,000	613
Guadalupe River	Kerrville	30°01'	99°08'	570	July 1, 1932	196,000	334
South Fork of Guadalupe River	Near Hunt	29°58'	99°26'	65.3	July 1, 1932	84,300	1,290
Bear Creek	Near Hunt	30°04'	99°26'	50.3	July 1, 1932	17,200	342
Johnson Creek	Near Ingram	30°03'	99°14'	111	July 2, 1932	138,000	1,240
Blanco River	Near Blanco	30°06'	98°26'	92.2	May 28, 1929	43,500	472
Blanco River	Near San Marcos	29°56'	97°54'	429	May 28, 1929	139,000	324
Bunton Branch	Near Kyle	30°01'	97°51'	4.1	June 30, 1936	13,800	3,370
O'Neil Creek	Near Leesville	29°23'	97°43'	30	July 1, 1936	30,000	1,000
Sandies Creek	Near DeWitt	29°20'	97°40'	95	July 1, 1936	54,300	572
Olmos Creek	Dam site near San Antonio	29°28'	98°28'	26.4	Sept. 9, 1921	m28,000	1,060
San Antonio River	Houston Street, San Antonio	29°26'	98°30'	n37.2	Sept. 10, 1921	o23,600	688

San Antonio River	Below San Pedro near San Antonio	29°23'	98°30'	85.0	Sept. 10, 1921	pq42,427	499
San Pedro Creek	Above Alazan Creek at San Antonio	29°25'	98°30'	2.7	Sept. 9, 1921	q2,025	750
San Pedro Creek	Below Apache near San Antonio	29°24'	98°30'	46.5	Sept. 9, 1921	pq32,443	698
Alazan Creek	Below Martinez Creek at San Antonio	29°26'	98°31'	17.4	Sept. 9, 1921	r25,000	1,440
Alazan Creek	Near mouth, near San Antonio	29°25'	98°31'	18.7	Sept. 9, 1921	ps28,000	1,500
Apache Creek	Above mouth at San Antonio	29°25'	98°31'	23.9	Sept. 10, 1921	t20,780	870
North Fork of Medina River	Lima	29°50'	99°20'	54.0	July 1, 1932	40,200	744
Medina River	Near Medina	29°46'	99°11'	235	July 1, 1932	47,600	203
Cibolo Creek	Near Van Raub	29°45'	98°37'	115	June 1, 1937	58,900	512
Frederick Creek	At Boerne	29°47'	98°45'	16.1	June 1, 1937	16,300	1,010
Nueces River Basin							
West Nueces River	Near Bracketville	29°44'	100°24'	402	June 14, 1935	580,000	1,440
West Nueces River	Near Oline	29°20'	100°06'	880	June 14, 1935	536,000	609
Frio River	Rio Frio	29°39'	99°44'	371	July 1, 1932	128,000	345
Frio River	Near Uvalde	29°06'	99°30'	840	July 2, 1932	148,000	176
Frio River	Dam site near Los Angeles	29°36'	98°57'	3,732	July 4 or 5, 1932	204,000	54.7
East Fork Frio River	Near Leakey	29°49'	99°40'	75.0	July 1, 1932	89,500	1,190
Dry Frio River	Near Reagan Wells	29°31'	99°49'	120	June 14, 1935	64,700	539
Sabinal River	Vanderpool	29°46'	99°32'	45.7	July 2, 1932	52,300	1,140

a Discharge determined by slope-area method, except as noted.
m Mean of two measurements; one by C. K. McDonald, Office of Engineers, Eighth Corps Area, of 25,000 second-feet, and one by C. T. Bartlett, consulting engineer, of 31,000 second-feet.
n Revised.
o Mean of two measurements; one by C. T. Bartlett, consulting engineer, San Antonio, of 23,700 second-feet, and one by R. G. Hemphill, irrigation engineer, U. S. Bureau of Public Roads, of 23,500 second-feet.
p Detailed discussion of floods in September 1921 contained in Water-Supply Paper 488.
q Measurement by C. K. McDonald, Office of Engineers, Eighth Corps Area.
r Mean of two measurements by C. K. McDonald, Office of Engineers, Eighth Corps Area; one of 25,900 second-feet made just below Martinez Creek, and one of 24,000 second-feet made 2,000 feet downstream.
s Measurement by C. T. Bartlett, consulting engineer, San Antonio, Tex.
t Mean of two measurements; one by C. K. McDonald, Office of Engineers, Eighth Corps Area, of 22,560 second-feet made 4,000 feet above mouth, and one by C. T. Bartlett, consulting engineer, of 19,000 second-feet made near mouth.

Maximum floods measured at points other than gaging stations in Texas--Continued

Stream and place of measurement	Location	Lat.	Long.	Drainage area in square miles	Date	Peak Discharge (a)	
						Second-feet	Sec.-ft. per square mile
Nueces River Basin--Continued							
Sabinal River	Sabinal	29°20'	99°29'	258	July 1, 1932	u71,700	278
Hondo Creek	Near Hondo	29°21	99°03'	400	July 2, 1932	v74,800	187
Seco Creek	Near D'Hanis	29°26'	99°17'	153	May 31, 1935	230,000	1,500
Chacan Creek	Near Natalia	29°14'	98°52'	30.8	June 22, 1924	2,510	81.4
Atascosa River	Near Benton City	29°12'	98°46'	21.3	June 22, 1924	25,900	1,220
Rio Grande Basin							
Rio Grande	Zapata	26°52'	99°19'	153,161	Sept. 4, 1932	w261,160	-
Rio Grande	Rio Grande City	26°22'	98°49'	170,655	Sept. 5, 1932	w199,000	-
Lozier Creek	Near Langtry	29°48'	101°48'	1,728	Sept. 4, 1935	w197,000	114
Toyah Creek	Near Balmorhea	30°59'	103°45'	324	Sept. 7, 1932	26,100	80.6
Big Aguja Canyon	Near Toyahvale	30°51'	103°49'	47.1	Sept. 7, 1932	x4,360	92.6
Little Aguja Canyon	Near Toyahvale	30°49'	103°56'	31.3	Aug. 29, 1932	2,640	84.4
Cherry Canyon	Near Toyahvale	30°56'	103°59'	70.9	Sept. 29, 1932	5,320	75.0
Coyanosa Draw	Near Fort Stockton	30°50'	103°13'	1,060	Sept. 2, 1924	4,070	3.8
Dry Devils River	Near Mouth	29°48'	100°59'	748	Sept. 1, 1932	129,000	172
Sycamore Creek	Near Del Rio	29°15'	100°46'	524	June 14, 1935	w215,000	410

a Discharge determined by slope-area method, except as noted.
u Local resident stated that highest flood in last 50 years occurred in 1894 and was about 8 feet higher than 1932 flood.
v A flood occurred in 1919 which was about 3 feet higher than that of 1932 and a still higher flood occurred at some date (unknown) prior to 1919.
w Determined by International Boundary Commission, United States and Mexico.
x Float measurement.

GAGING STATION RECORDS

LOWER MISSISSIPPI RIVER BASIN

ARKANSAS RIVER BASIN

Monthly and annual mean discharge, in second-feet, at stations in the Arkansas River Basin

Canadian River near Amarillo

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	-	-	453	268	572	501	154	a336	924	365	-
1924-25	10.0	6.83	5.16	13.2	29.7	4.10	.90	453	145	2,420	2,810	2,510	707
1925-26	1,570	46.8	-	-	-	-	-	-	-	-	-	-	-

RED RIVER BASIN

Prairie Dog Town Fork of Red River near Canyon

1923-24	-	-	-	-	16.1	17.7	11.2	9.06	4.00	37.3	6.68	2.32	-
1924-25	0.40	0.56	a1.04	4.90	a6.48	a3.82	5.18	a2.93	a12.5	a20.5	a31.0	31.7	10.1
1925-26	a13.7	a5.79	4.34	3.95	a3.23	a2.80	b2.80	a26.0	30.6	a.79	.25	0	7.87

Prairie Dog Town Fork of Red River near Estelline

1923-24	-	-	-	-	5.09	75.4	1.26	0	0.63	174	809	1.58	-
1924-25	524	4.60	0	2.69	.01	0	50.2	227	73.2	361	1,690	994	330

Red River near Burkburnett

(Drainage area, 20,150 square miles, of which about 5,860 square miles is probably noncontributing)

1923-24	-	-	-	-	-	-	-	-	-	-	814	235	-
1924-25	735	124	93.0	261	156	81.4	2,150	3,570	985	352	3,170	-	-

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Red River Basin--Continued

Red River near Denison

(Drainage area, 38,700 square miles, of which about 5,860 square miles is probably noncontributing)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	13,000	8,710	2,820	1,720	4,960	7,950	6,230	2,670	1,680	1,340	1,110	-
1924-25	1,100	737	682	741	745	580	4,350	7,350	1,220	575	3,990	12,500	2,880
1925-26	6,160	2,830	759	1,580	1,020	1,940	6,000	5,900	3,390	6,940	8,240	5,020	4,170
1926-27	19,400	2,540	5,100	4,490	4,740	4,590	19,300	4,070	5,780	7,270	4,290	1,770	6,960
1927-28	6,190	1,300	2,780	2,200	2,840	1,710	6,310	17,500	19,700	8,100	3,020	891	6,050
1928-29	457	2,140	1,440	1,650	1,260	3,350	4,680	18,100	9,810	3,530	838	9,570	4,750
1929-30	2,290	2,500	1,710	1,680	5,170	2,140	1,390	21,900	8,660	1,330	581	939	4,190
1930-31	9,790	1,740	8,100	1,460	5,620	4,400	3,760	4,630	1,540	3,340	850	349	3,810
1931-32	4,820	5,000	4,720	13,600	11,800	2,970	3,070	5,830	16,100	13,100	2,580	3,560	7,240
1932-33	1,370	639	5,250	2,870	1,190	5,600	3,260	22,600	2,890	1,660	5,030	5,490	4,870
1933-34	1,717	1,052	1,187	1,843	1,807	5,011	3,011	3,749	2,236	454	210	5,354	2,300
1934-35	1,347	3,230	1,155	831	649	6,225	3,124	45,790	22,400	6,005	2,411	5,742	8,300
1935-36	1,594	1,654	5,057	1,170	899	1,054	958	8,928	6,869	1,230	417	16,560	3,829
1936-37	7,348	1,203	1,415	2,533	1,434	3,001	4,076	1,715	11,030	1,397	4,259	3,038	3,541
Av...	4,891	2,826	3,433	2,819	2,921	3,395	5,088	12,450	8,164	4,044	2,718	5,135	4,838

Note.- Records subsequent to Oct. 1, 1934 were published as Red River near Colbert, Okla. Station moved half a mile upstream on Oct. 1, 1934.

Red River at Arthur City

(Drainage area, 44,170 square miles, of which about 5,860 square miles is probably noncontributing)

1905-6	-	-	-	5,970	6,940	5,350	9,430	22,000	11,400	7,780	20,600	16,100	-
1906-7	6,190	3,030	5,710	7,360	4,300	8,140	3,870	12,700	17,000	9,820	4,010	2,200	7,060
1907-8	6,270	4,920	6,810	6,090	7,360	7,940	27,500	34,900	64,400	14,300	3,870	3,120	15,600
1908-9	7,360	3,870	8,540	2,900	2,480	2,480	2,680	3,480	7,550	3,240	1,870	1,360	3,980
1909-10	1,110	2,480	5,410	2,840	2,480	2,020	5,410	4,300	4,010	4,010	2,790	1,790	3,220
1910-11	1,430	1,290	1,220	1,190	2,980	2,260	2,870	2,420	3,480	5,720	4,170	6,610	2,970
1911-12	2,180	1,960	6,240	-	-	-	-	-	-	-	-	-	-

Pease River near Crowell

(Drainage area, 2,937 square miles, of which about 533 square miles is probably noncontributing)

1923-24	-	-	-	-	4.97	46.8	99.2	11.4	330	507	435	5.79	-
1924-25	19.4	.35	1.63	19.4	4.99	.62	267	805	51.4	85.3	928	983	265
1925-26	167	40.4	.23	.71	1.19	35.8	615	105	95.4	108	24.8	232	118
1926-27	(c)	(d)	(d)	(c)	18.7	6.25	47.8	117	161	18.9	7.16	74.2	-
1927-28	-	-	-	-	-	-	-	-	-	-	-	-	ae62.4
1928-29	-	-	-	-	-	-	-	-	-	-	-	-	ae152
1929-30	94.6	28.9	3.10	a11.3	18.3	47.3	120	69.4	.58	3.19	.88	39.7	33.5
1930-31	931	20.6	245	16.1	90.3	32.9	81.5	55.0	281	12.8	64.3	0	154
1931-32	157	93.0	63.6	74.3	12.1	.53	203	115	1,760	647	194	184	290
1932-33	-		-	-	-	-	-	-	-	-	-	-	e153
1933-34	-	-	-	-	-	-	-	-	-	-	-	-	e73.1
1934-35	-	-	-	-	-	-	-	-	-	-	-	-	e504
1935-36	-	-	-	-	-	-	-	-	-	-	-	-	e293
1936-37	-	-	-	-	-	-	-	-	-	-	-	-	e173
Av...	-	-	-	-	-	-	-	-	-	-	-	-	e189

Wichita River at Wichita Falls

1899-1900	-	-	-	-	112	155	1,320	2,020	1,220	2,310	1,210	2,250	-
1900-1901	2,240	943	109	41.7	33.9	24.1	19.8	3,540	547	74.7	131	440	679
1901-2	10.1	6.8	6.3	4.9	-	-	-	-	-	-	-	-	-

Note.- Records obtained from report of Irrigation investigations for 1900 to 1902, U. S. Department of Agriculture, Progress report of silt measurements, by J. C. Nagle.

Little Wichita River near Archer City

(Drainage area, 496 square miles)

1931-32	-	-	-	-	-	-	-	-	80.1	207	1.61	124	-
1932-33	.47	0	411	2.07	0.13	89.5	46.1	798	.67	6.17	93.1	85.9	130
1933-34	.14	8.92	a20.6	8.36	91.2	219	40.1	1.41	8.66	0	2.17	108	42.0
1934-35	8.77	424	1.45	0	.73	238	24.8	a669	a480	130	1.94	99.9	174
1935-36	64.0	8.06	2.17	.01	0	0	.33	196	44.6	34.4	0	1,659	165
1936-37	47.5	.41	.24	.10	a.10	b163	a67.4	18.7	39.6	.34	47.9	2.47	32.6

a Partly estimated.
b Estimated.
c Record incomplete.
d No record.
e Monthly figures not sufficiently accurate for publication.

Monthly and annual mean discharge, in second-feet, at stations in the Red River Basin--Continued

Sulphur River near Darden

(Drainage area, 2,754 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	181	110	6,160	2,160	1,410	3.550	513	715	2,950	18.2	1.00	159	1,500
1924-25	22.7	5.54	14.7	65.2	98.0	108	1,130	2,710	740	51.1	96.3	4.44	422
1925-26	101	816	42.0	2,310	569	2,020	310	2,720	617	5,290	2,280	665	1,730
1926-27	1,850	537	5,780	3,340	3,360	9,430	9,770	1,450	774	961	146	108	3,130
1927-28	1,020	346	1,210	586	820	1,200	5,350	3,630	4,100	2,050	258	3.02	1,710
1928-29	231	898	8,120	6,530	3,060	4,070	849	6,860	1,150	390	4.86	275	2,720
1929-30	13.2	522	925	1,970	5,220	1,570	383	18,800	475	67.5	5.05	1.33	2,490
1930-31	196	244	1,810	44.4	676	2,720	1,150	645	43.6	569	203	172	709
1931-32	55.9	31.8	3,540	14,700	6,080	2,210	700	587	185	2,020	8.65	2.66	2,520
1932-33	2.2	.85	430	5,710	625	6,080	969	3,910	1,130	743	277	131	1,690
1933-34	684	37.8	151	1,343	617	4,560	4,975	630	142	2.76	.20	1.06	1,097
1934-35	0	331	562	6,561	1,473	1,637	3,567	13,930	13,720	374	36.1	118	3,533
1935-36	169	1,065	1,995	70.4	58.1	330	15.9	2,683	85.4	127	1.71	45.8	559
1936-37	1,011	298	1,925	7,125	1,346	6,306	3,800	434	106	34.2	172	90.0	1,901
Av...	396	374	2,333	3,751	1,815	3,271	2,392	4,265	1,873	907	249	127	1,836

Cypress Creek near Jefferson

(Drainage area, 848 square miles)

1923-24	-	-	-	-	-	-	-	-	-	-	2.05	8.79	-
1924-25	7.05	21.4	29.9	197	125	127	580	702	16.5	5.00	4.86	.56	151
1925-26	45.6	337	258	654	422	1,270	1,180	483	184	1,320	117	31.5	527
1926-27	266	107	1,150	1,310	1,300	2,090	2,720	412	341	145	52.6	92.6	828
1927-28	314	187	428	471	401	583	780	1,730	1,310	612	218	12.7	588
1928-29	194	852	2,870	1,890	1,250	1,540	848	1,300	508	109	7.96	21.1	951
1929-30	6.86	61.2	105	454	1,130	865	402	5,190	249	27.2	2.05	2.47	710
1930-31	54.3	92.9	465	236	366	711	513	437	47.7	91.0	73.5	43.4	261
1931-32	5.60	37.6	1,460	4,150	2,610	1,270	348	324	47.8	82.9	3.43	5.34	860
1932-33	3.74	22.9	126	1,990	696	1,040	1,020	1,440	68.2	317	170	59.4	581
1933-34	33.8	38.7	a360	778	526	1,869	1,500	822	72.2	9.55	.64	1.24	502
1934-35	.61	16.8	123	405	769	547	225	3,285	993	70.0	16.7	10.3	539
1935-36	40.1	365	764	207	207	246	69.5	639	34.4	94.1	4.85	1.21	224

1936-37	36.0	49.3	192	1,993	859	1,580	1,012	152	96.9	12.5	24.5	27.4	502
Av...	77.5	168	641	1,133	820	1,057	861	1,301	305	223	49.9	22.7	556

WESTERN GULF OF MEXICO BASINS

SABINE RIVER BASIN

Sabine River near Golden

(Drainage area, 1,200 square miles)

1923-24	-	-	-	-	-	-	-	-	-	0.09	2.45	110	-
1924-25	2.75	26.4	a19.8	26.4	25.2	6.01	179	1,330	73.7	9.20	.05	.51	144

Sabine River near Gladewater

(Drainage area, 2,846 square miles)

1932-33	80.9	67.0	550	4,700	1,020	3,460	1,840	2,470	1,170	976	147	87.0	1,390
1933-34	151	101	549	1,510	1,460	4,010	5,770	454	258	a29.3	a13.2	19.6	1,190
1934-35	19.0	271	655	2,114	3,733	1,773	1,184	9,290	5,409	818	37.8	116	2,109
1935-36	378	1,073	1,777	349	387	394	172	1,859	156	232	20.0	12.7	571
1936-37	1,394	a526	a811	3,771	1,791	3,599	2,553	253	204	a50.1	a44.9	66.7	1,255

Sabine River near Longview

(Drainage area, 3,013 square miles)

1903-4	-	-	-	464	613	786	3,820	1,710	1,600	555	166	145	-
1904-5	46.2	76.1	199	385	1,250	3,130	5,510	16,600	4,470	9,780	1,930	195	3,670
1905-6	460	1,330	6,390	4,520	4,400	2,540	4,420	2,580	1,490	564	747	480	2,480
1906-7	837	256	4,370	-	-	-	-	-	-	-	-	-	-
1923-24	-	107	4,070	2,920	2,290	4,470	1,890	1,550	1,210	47.3	30.5	236	-
1924-25	50.3	128	169	359	265	257	375	1,810	158	32.8	27.9	79.1	311
1925-26	322	1,840	352	2,010	1,480	3,320	3,570	5,520	1,020	3,510	982	206	2,550
1926-27	242	391	1,930	3,770	3,160	6,960	8,680	2,130	1,010	1,360	346	85.0	2,500
1927-28	1,720	257	552	554	988	2,050	2,700	1,510	1,480	796	313	30.9	1,080
1928-29	147	1,020	6,440	5,750	3,760	3,600	1,970	6,230	5,340	351	40.4	359	2,920
1929-30	57.2	454	648	1,140	3,740	1,840	676	10,200	1,920	101	27.4	27.6	1,730
1930-31	422	396	2,130	657	1,340	2,890	1,320	1,080	247	102	171	159	909
1931-32	a72.5	138	2,300	9,870	7,030	4,740	687	1,230	245	511	494	129	2,250
1932-33	79.9	68.1	509	-	-	-	-	-	-	-	-	-	-
Av...	371	492	2,310	2,700	2,530	3,050	2,970	4,350	1,680	1,480	440	178	2,040

a Partly estimated.

148237 O—39——5

Monthly and annual mean discharge, in second-feet, at stations in the Sabine River Basin--Continued

Sabine River at Logansport, La.

(Drainage area, 4,858 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1902-3	-	-	-	-	-	-	-	-	-	3,590	1,430	242	-
1903-4	1,170	558	465	470	893	988	4,570	2,060	1,940	884	345	196	1,210
1904-5	104	107	2,012	2,770	6,280	7,374	9,650	19,350	10,590	13,270	4,139	441	6,352
1905-6	610	3,130	6,406	12,650	5,300	4,330	7,978	3,590	3,700	1,130	2,000	955	4,311
1906-7	1,350	429	3,980	5,710	1,520	3,210	1,980	8,120	7,440	932	161	85.6	2,930
1907-8	127	4,090	7,050	4,690	7,550	4,000	3,380	14,410	5,327	456	622	763	4,366
1908-9	527	337	823	827	2,700	2,140	1,120	507	450	111	63.6	45.1	792
1909-10	105	86.1	1,060	1,020	1,620	2,280	3,400	2,230	505	494	73.3	43.6	1,070
1910-11	33.9	35.5	97.6	313	348	502	3,350	2,020	132	1,010	187	84.0	675
1911-12	80.8	83.6	1,430	1,830	1,110	6,780	9,138	2,900	522	447	5,100	680	2,515
1912-13	97.6	94.5	225	824	1,740	6,760	3,740	1,070	439	3,750	193	2,140	1,760
1913-14	4,450	668	9,240	3,610	4,880	4,020	8,010	17,470	3,260	240	642	503	4,767
1914-15	237	300	3,060	6,210	8,501	7,630	4,199	15,950	1,260	2,170	6,250	4,620	5,030
1915-16	831	1,930	1,660	3,610	7,824	1,130	3,770	7,270	991	702	274	207	2,497
1916-17	132	390	699	1,190	2,420	2,040	1,340	868	1,120	1,170	427	631	1,030
1917-18	307	143	230	457	379	356	2,390	4,530	859	175	183	337	865
1918-19	197	1,150	3,190	6,530	4,990	4,220	3,720	1,790	2,280	4,590	3,630	2,300	3,210
1919-20	10,680	16,790	7,120	10,370	6,090	-	4,990	3,880	3,520	1,130	-	-	-
1920-21	-	-	-	-	4,057	5,249	10,900	8,663	2,063	3,673	329	252	-
1921-22	124	154	546	1,250	2,520	-	17,760	12,340	2,602	1,262	432	192	-
1922-23	96.6	688	539	1,118	6,180	6,193	7,491	3,157	2,575	475	86.7	881	2,421
1923-24	504	494	5,610	8,780	5,510	8,020	4,490	4,040	4,590	155	122	174	3,540
1924-25	124	99.6	216	821	521	542	498	1,820	219	78.5	47.3	100	425
1925-26	386	5,180	734	3,190	2,170	7,360	10,500	7,540	1,680	2,930	1,630	174	3,630
1926-27	263	510	2,970	4,720	5,310	8,870	11,500	5,970	1,810	1,520	1,260	118	3,720
1927-28	1,790	354	738	887	1,520	4,480	4,360	3,180	2,310	1,560	699	75.1	1,830
1928-29	190	1,450	4,670	9,420	5,870	5,440	2,840	4,990	7,470	573	80.0	338	3,600
1929-30	104	550	996	6,090	6,360	3,470	938	10,300	8,010	219	102	89.9	3,080
1930-31	500	470	3,060	3,000	2,410	5,040	2,130	3,890	756	363	183	164	1,840
1931-32	40.6	300	7,540	20,600	19,400	11,500	3,100	1,810	368	503	110	142	5,420
1932-33	95.2	103	724	7,000	5,280	7,480	6,100	5,060	2,160	5,730	2,260	406	3,530
1933-34	244	263	628	4,680	3,140	9,570	9,260	1,260	450	92.9	29.9	34.6	2,470

1934-35	39.8	663	2,693	2,883	6,835	3,009	2,143	17,490	5,364	2,680	205	234	3,678
1935-36	515	2,143	3,840	1,006	1,084	1,281	465	2,352	421	639	68.0	39.6	1,159
1936-37	1,044	603	1,344	7,874	4,972	6,632	4,226	648	401	122	103	167	2,334
Av...	821	1,344	2,594	4,436	4,332	4,747	5,160	5,957	2,576	1,681	984	525	2,776

Note.- Records of discharge 1907-23 not previously published and are based on gage-height records obtained by U. S. Weather Bureau.

Sabine River at Sabinetown

(Drainage area, 6,754 square miles)

1923-24	-	2,960	14,600	16,600	10,600	15,400	8,090	8,710	13,000	310	194	221	-
1924-25	241	167	349	2,560	862	1,150	676	2,030	370	142	72.0	-	-

Sabine River near Bon Wier

(Drainage area, 8,323 square miles)

1923-24	b2,710	a5,520	23,500	21,300	14,200	21,200	10,600	12,300	16,700	b1,350	a1,200	733	10,900
1924-25	b660	b540	b820	b4,460	a2,290	2,050	1,230	2,290	778	504	249	307	1,350
1925-26	2,800	16,400	4,020	11,500	6,130	14,200	20,200	13,300	3,690	3,350	3,220	788	8,300
1926-27	655	1,240	7,410	14,500	12,200	19,800	23,800	14,400	5,260	3,490	1,940	466	8,750
1927-28	2,280	a1,120	a2,730	2,300	3,030	9,390	10,500	6,170	a5,520	2,870	1,730	459	4,010
1928-29	564	a1,540	b4,540	a12,000	11,500	16,800	6,810	13,900	17,200	1,940	934	861	7,360
1929-30	505	5,510	6,300	10,600	15,000	7,960	3,540	8,670	14,200	920	470	601	6,120
1930-31	2,020	1,720	11,300	12,900	9,740	9,670	4,630	7,220	1,060	584	a535	a534	5,160
1931-32	344	747	12,700	33,700	39,900	28,100	7,000	2,780	1,020	843	449	383	10,600
1932-33	342	407	4,580	10,600	14,600	15,500	14,200	8,420	3,830	10,800	20,000	1,720	8,750
1933-34	982	925	2,100	17,800	14,000	22,100	18,800	3,990	1,130	645	388	357	6,900
Av...	1,260	3,240	7,270	13,800	13,000	15,200	11,000	8,490	6,400	2,480	2,830	655	7,110

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Sabine River Basin--Continued

Sabine River near Ruliff

(Drainage area, 9,448 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1924-25	a971	733	1,110	6,510	2,830	2,060	1,370	2,160	1,100	745	442	518	1,710
1925-26	3,220	23,600	5,700	12,500	8,010	13,800	24,100	14,900	4,740	3,720	3,890	1,320	9,940
1926-27	966	1,410	4,920	19,100	12,800	19,200	20,400	15,400	5,290	4,380	2,430	930	8,930
1927-28	2,220	1,380	3,520	4,160	3,110	9,850	11,500	7,100	5,910	3,300	2,060	734	4,580
1928-29	612	1,580	4,110	12,500	12,700	17,000	9,060	13,000	19,500	2,450	992	978	7,840
1929-30	697	6,080	6,340	14,500	18,900	9,850	4,890	7,860	15,000	1,200	718	913	7,160
1930-31	2,460	2,240	12,800	16,600	11,600	13,600	6,430	8,700	1,520	1,020	825	839	6,550
1931-32	556	1,000	13,200	38,100	44,500	35,400	7,720	3,530	1,700	1,260	715	492	12,300
1932-33	475	514	4,950	12,400	18,200	19,700	14,600	8,800	5,050	8,480	27,200	2,120	10,200
1933-34	1,190	1,010	2,230	19,600	21,000	26,800	22,900	6,170	1,740	983	575	473	8,640
1934-35	680	2,380	8,446	13,050	14,680	13,300	8,016	32,780	17,850	6,265	1,863	1,744	10,080
1935-36	1,297	4,115	13,490	4,002	5,323	3,278	1,629	3,530	2,177	3,938	833	705	3,701
1936-37	1,597	1,187	4,318	20,770	17,070	10,820	13,150	3,268	2,217	951	756	1,269	6,382
Av...	1,303	3,633	6,549	14,910	14,670	14,970	11,210	9,784	6,446	2,976	3,331	1,003	7,539

Lake Fork of Sabine River near Quitman

(Drainage area, 586 square miles)

1923-24	-	-	-	-	-	-	-	-	-	0.34	3.36	48.2	-
1924-25	0.46	19.6	4.04	23.3	23.8	13.0	149	372	2.27	.88	4.27	8.60	52.1
1925-26	54.6	(f)	8.25	(f)	37.5	(f)	(f)	-	-	-	-	-	-

NECHES RIVER BASIN

Neches River near Reese

(Drainage area, 851 square miles)

1923-24	-	-	-	-	-	-	-	806	744	22.8	4.8	90.3	-
1924-25	10.0	46.4	160	289	181	146	96.3	159	6.61	5.64	4.00	6.37	92.5
1925-26	41.7	590	98.3	549	361	1,470	1,190	1,980	596	483	a211	b13.0	635
1926-27	61.0	109	993	1,470	1,180	998	3,010	504	714	a338	b72.6	b70	788

Neches River near Diboll

(Drainage area, 2,670 square miles)

1923-24	-	-	4,040	4,280	4,150	5,920	3,630	2,140	4,540	250	48.9	73.5	-
1924-25	92.3	88.4	291	617	446	390	276	194	49.9	15.2	6.43	-	-

Neches River near Rockland

(Drainage area, 3,539 square miles)

1902-3	-	-	-	-	-	-	-	-	-	859	1,260	167	-
1903-4	a334	169	452	439	1,180	1,180	1,350	3,810	342	361	259	106	834
1904-5	46.7	27.3	743	1,520	3,290	5,620	7.620	13,800	3,800	6,660	2,440	202	3,830
1905-6	189	1,870	2,630	6,680	3,280	2,480	2,160	2,120	1,140	1,240	855	402	2,080
1906-7	1,340	a327	1,150	2,960	1,340	1,800	1,090	9,950	5,580	470	212	293	2,220
1907-8	422	7,550	8,750	4,340	9,030	5,190	4,650	10,300	3,130	427	272	585	4,540
1908-9	485	382	479	671	1,080	1,060	680	863	1,340	a221	a74.4	b29.0	610
1909-10	a144	b57.0	a541	593	2,750	1,870	2,740	2,030	1,470	a266	b67.0	b47.0	1,030
1910-11	b29.0	b12.0	a101	(d)	(c)	690	4,220	(c)	(d)	(c)	(c)	(d)	-
1911-12	(d)	(c)	4,020	4,470	1,320	5,030	6,980	3,770	756	530	330	(d)	-
1912-13	-	-	386	353	1,540	5,060	2,990	914	468	469	264	1,020	-
1913-14	1,490	457	4,170	2,290	1,420	4,310	6,140	10,500	4,990	549	625	474	3,130
1914-15	251	1,050	3,400	3,310	4,360	3,660	2,760	7,190	509	680	3,590	764	2,630
1915-16	369	1,090	1,670	3,690	2,520	1,280	1,740	10,000	2,160	776	448	280	2,180
1916-17	218	428	815	671	1,260	566	938	741	613	342	237	141	575
1917-18	113	109	455	275	a436	a362	925	1,270	a306	a155	a184	a149	395
1918-19	a137	996	1,150	3,560	4,810	2,930	2,590	3,260	3,680	5,480	646	362	2,450
1919-20	2,930	6,980	4,250	9,770	6,980	3,760	2,030	1,120	849	223	844	683	3,360
1920-21	223	933	2,310	4,940	3,240	4,460	9,850	7,560	1,380	6,540	345	200	3,500
1921-22	a97.7	a123	362	1,070	3,560	8,210	18,600	14,800	2,270	589	296	a94.0	4,170
1922-23	a47.7	440	363	1,190	5,100	6,660	14,100	4,800	713	220	a55.1	533	2,820
1923-24	400	935	9,320	6,730	6,360	9,570	4,760	4.330	7,420	313	65.7	59.1	4,190
1924-25	89.2	73.8	207	875	542	385	233	201	75.9	28.7	9.84	15.7	228
1925-26	1,260	8,000	1,180	4,070	1,640	6,070	9.750	4,540	2,610	1,630	8,160	230	4,100
1926-27	160	414	2,690	2.840	4,280	8,220	7,810	4,130	1,670	1,640	331	67.0	3,020
1927-28	287	237	600	665	764	2,920	2,100	996	975	378	234	48.2	850
1928-29	39.8	341	702	2,230	2,780	3,030	1,990	9,460	9,300	676	95.3	94.7	2,560
1929-30	46.4	704	879	3,890	5,830	3,200	1,560	2,940	3,490	153	58.5	118	1,910
1930-31	926	688	3,740	4,220	4,570	4,180	2,430	3,310	376	152	127	65.4	2,060
1931-32	14.2	177	3,380	11,700	14,000	8,360	2,630	1,370	517	260	98.5	176	3,530

a Partly estimated.
b Estimated.
c Record incomplete.
d No record.
f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Neches River Basin--Continued

Neches River near Rockland--Continued

(Drainage area, 3,539 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1932-33	96.2	113	824	2,450	4,710	5,110	4,810	2,480	987	1,160	280	342	1,930
1933-34	85.8	119	308	3,410	5,530	7,230	7,040	1,920	259	62.0	24.2	29.7	2,140
1934-35	60.2	433	2,687	2,935	3,133	2,732	2,836	21,660	5,003	799	294	319	3,594
1935-36	167	1,047	4,503	1,673	1,292	1,180	624	1,765	1,619	2,858	259	131	1,433
1936-37	84.0	188	862	4,882	3,205	2,820	2,583	395	229	81.2	45.2	135	1,282
Av...	393	1,140	2,061	3,253	3,549	3,858	4,274	5,100	2,122	1,096	688	253	2,361

Note.- Records prior to October 1923 not previously published, and are based on gage-height records obtained by U. S. Weather Bureau.

Neches River at Evadale

(Drainage area, 7,908 square miles)

1903-4	-	-	-	-	-	-	-	-	-	1,030	879	463	-
1904-5	291	209	1,040	5,090	7,170	10,200	12,900	15,100	7,860	10,200	5,130	986	6,350
1905-6	606	4,220	5,310	10,100	7,210	5,090	5,490	3,980	2,400	1,940	2,600	790	4,140
1906-7	3,630	1,110	2,680	-	-	-	-	-	-	-	-	-	-
1923-24	2,040	3,680	23,000	20,100	16,200	24,600	11,800	11,900	27,500	1,410	a565	433	11,900
1924-25	455	398	774	3,810	2,150	1,450	1,040	810	407	283	180	207	994
1925-26	2,700	19,400	5,130	10,800	5,480	11,800	21,500	13,200	5,050	3,690	1,800	801	8,440
1926-27	515	947	4,200	13,600	9,810	18,000	18,000	11,600	4,280	4,520	1,260	418	7,250
1927-28	876	726	1,690	2,010	2,270	6,760	7,740	2,770	3,660	1,340	951	326	2,590
1928-29	299	857	2,140	5,960	7,650	9,540	6,370	19,200	34,600	2,650	774	614	7,500
1929-30	400	2,750	3,680	10,900	17,000	8,810	4,960	4,690	7,710	698	358	424	5,120
1930-31	2,360	2,010	9,620	11,800	10,600	11,100	6,580	8,450	1,440	722	534	369	5,450
1931-32	226	643	8,490	28,500	34,400	31,200	7,180	3,720	1,630	800	488	456	9,750
1932-33	368	381	2,840	6,850	11,700	13,800	10,800	7,420	3,730	2,870	5,320	1,200	5,570
1933-34	506	475	1,040	9,340	17,400	17,500	16,700	5,470	1,130	415	288	232	5,790
1934-35	311	1,035	6,621	8,985	8,132	8,119	6,411	38,790	16,330	2,562	1,031	998	8,302
1935-36	560	2,738	12,180	4,976	4,257	3,438	1,782	3,052	3,994	6,099	923	730	3,740
1936-37	448	583	2,556	13,320	10,880	7,787	7,865	1,947	1,297	527	328	601	3,971
Av...	976	2,480	5,470	10,380	10,770	11,820	9,195	9,506	7,689	2,456	1,377	591	6,054

Mud Creek at Ponta

(Drainage area, 481 square miles)

1923-24	-	-	-	-	-	-	-	729	668	21.1	3.95	15.6	-
1924-25	6.71	20.9	41.8	185	116	80.3	35.9	15.9	1.74	1.81	.97	.55	41.9
1925-26	a38.1	a498	a146	a574	a247	a927	a733	a626	a153	a76.3	a5.18	a2.26	336
1926-27	a2.65	a11.6	a296	a360	a553	a808	a1,040	a261	a143	a121	a15.2	a5.03	299

Angelina River near Lufkin

(Drainage area, 1,575 square miles)

1923-24	b150	360	3,010	a3,770	2,990	4,520	1,910	1,770	4,510	156	45.5	50.5	1,940
1924-25	43.0	73.2	168	461	374	302	186	98.3	23.8	19.4	21.2	16.8	148
1925-26	303	8,560	621	1,280	1,190	3,590	4,180	1,820	451	388	98.8	32.2	1,870
1926-27	42.6	99.3	940	1,240	1,400	3,970	4,450	1,210	749	372	101	28.2	1,220
1927-28	188	195	400	453	631	1,940	1,160	570	650	236	92.1	17.0	544
1928-29	28.7	333	1,230	1,990	1,790	1,700	917	1,870	2,530	254	35.1	52.2	1,050
1929-30	21.3	346	818	1,690	3,470	1,780	653	3,290	612	59.8	19.5	22.8	1,050
1930-31	276	341	2,000	2,460	2,490	2,050	1,200	1,840	171	81.8	76.8	28.4	1,080
1931-32	21.7	89.3	2,920	9,090	10,400	4,200	1,960	808	186	107	44.7	58.0	2,470
1932-33	48.1	94.4	315	1,780	1,850	2,980	2,840	2,550	448	522	331	157	1,160
1933-34	82.0	84.1	280	2,120	1,810	4,130	2,850	571	109	21.0	10.0	10.8	1,000
Av...	109	961	1,150	2,390	2,580	2,830	2,030	1,490	949	202	79.6	43.1	1,230

Angelina River at Horger

(Drainage area, 3,435 square miles)

1927-28	-	-	-	-	-	-	3,240	1,060	1,720	549	320	60.8	-
1928-29	86.4	393	1,410	3,030	3,910	4,720	2,290	9,650	9,800	1,050	162	157	3,050
1929-30	56.5	1,560	1,950	6,430	7,800	4,070	1,760	2,870	2,390	212	a85.6	a117	2,410
1930-31	1,090	973	5,060	5,450	5,450	5,080	2,750	3,860	426	215	184	93.7	2,550
1931-32	44.8	373	5,420	16,400	19,500	11,300	3,430	1,460	423	245	172	122	4,870
1932-33	92.2	122	1,070	a3,440	5,490	6,730	5,830	3,940	1,790	3,270	2,340	545	2,880
1933-34	203	179	540	a6,430	7,550	10,500	7,130	1,960	444	153	80.1	66.6	2,910
1934-35	87.3	561	3,416	4,104	3,376	3,241	3,122	18,260	4,330	814	251	206	3,497
1935-36	155	1,108	5,275	1,534	1,658	1,473	614	1,257	622	2,038	410	121	1,362
1936-37	96.5	142	958	7,512	4,895	4,228	3,528	663	433	139	95.0	126	1,886
Av...	212	601	2,789	6,037	6,625	5,705	3,369	4,498	2,238	868	410	162	2,824

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Neches River Basin--Continued

Attoyac Bayou near Chireno

(Drainage area, 502 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	-	-	1,160	1,270	752	838	1,310	86.0	56.7	59.8	-
1924-25	51.3	68.4	107	473	236	189	103	110	25.9	55.2	-	-	-

Ayish Bayou at San Augustine

1923-24	-	-	-	-	-	-	-	-	-	-	4.34	5.40	-
1924-25	(c)	(d)	(c)	(c)	(c)	(b)	6.95	(f)	2.00	(f)	1.56	-	-

Village Creek near Kountze

(Drainage area, 838 square miles)

1923-24	-	-	-	-	-	-	-	-	(f)	240	176	125	-
1924-25	109	137	212	852	254	218	155	129	87.1	71.5	46.7	66.5	195
1925-26	800	3,150	a766	3,440	893	1,700	2,840	824	312	265	b168	b340	1,290
1926-27	234	300	1,940	1,620	a1,660	a2,350	2,070	748	768	475	b185	b148	1,040

TRINITY RIVER BASIN

West Fork of Trinity River at Bridgeport

(Published as Trinity River at Bridgeport prior to 1917.)

(Drainage area, 1,012 square miles)

1907-8	-	-	-	-	-	-	-	-	-	-	-	67.3	-
1908-9	233	2.70	102	0	0.25	1.29	0.93	10.2	716	21.3	117	.03	100
1909-10	.10	.07	.03	-	-	-	86	174	138	145	21.8	18.4	-
1910-11	3.68	1.03	.48	.55	17.8	1.29	10.9	6.29	0	131	1,010	631	152
1911-12	3.48	.60	227	1.29	.10	63.9	45.5	29.4	429	5.87	479	4.87	108
1912-13	68.6	31.0	5.35	1.97	.11	8.81	23.3	482	57.4	24.8	.10	186	74.7
1913-14	209	745	1,020	4.19	8.64	3.55	1,040	1,640	69.1	3.32	1,230	37.9	506

1914-15	1.89	2.13	129	8.21	1.51	9.98	2,500	508	3,030	28.8	254	66.4	540
1915-16	224	5.50	5.56	269	18.4	18.3	1,440	412	7.54	1.81	.86	24.1	201
1916-17	186	52.6	5.07	2.24	4.24	3.95	92.1	44.1	13.8	239	194	94.0	78.4
1917-18	.59	.83	1.94	.94	.40	2.31	834	141	202	16.9	3.69	53.1	104
1918-19	416	227	483	340	262	169	319	909	105	88.2	62.8	83.2	290
1919-20	1,060	190	6.50	127	10.6	4.66	47.7	2,390	497	157	576	920	502
1920-21	542	134	109	54.3	143	115	29.9	16.4	274	321	13.8	11.1	147
1921-22	3.23	.91	.74	.60	.11	3.80	1,710	678	241	59.9	.23	0	224
1922-23	0	122	2.88	21.3	188	55.1	2,080	187	849	22.8	18.2	53.7	296
1923-24	600	936	598	24.1	9.8	335	106	54.9	20.3	.84	19.2	21.8	228
1924-25	4.57	0	1.48	1.36	.14	.03	.195	466	63.0	60.3	.74	106	75.4
1925-26	52.0	40.5	.13	132	6.67	289	301	189	261	417	329	138	181
1926-27	255	2.44	539	159	340	657	1,060	24.5	152	121	18.4	83.9	283
1927-28	255	.20	4.25	30.4	7.85	12.1	9.96	147	754	344	53.5	18.6	136
1928-29	61.4	117	32.8	100	10.3	31.4	53.4	923	204	10.6	.05	172	144
1929-30	43.1	21.0	34.7	.14	6.01	-	-	-	-	-	-	-	-
Av...	192	120	150	60.9	49.3	89.3	571	449	404	106	210	127	219

Note.- Records from September 1908 to September 1914 not previously published and of doubtful accuracy.

West Fork of Trinity River at Lake Worth Dam above Fort Worth

(Drainage area, 1,872 square miles)

1923-24	432	1,530	1,510	78.4	41.3	898	398	233	71.1	0	0	0	434
1924-25	0	0	0	0	0	0	0	752	0	8.91	0	0	64.6
1925-26	29.6	64.0	0	183	15.8	545	614	371	330	397	645	732	329
1926-27	251	2.91	590	257	502	1,190	2,210	130	133	159	21.1	58.2	457
1927-28	339	0	72.1	35.0	56.0	24.2	87.6	395	1,180	718	270	17.8	266
1928-29	0	135	148	215	a79.2	104	158	1,660	641	0	0	5.29	264
1929-30	0	11.2	37.4	0	0	0	0	1,870	832	7.52	0	0	232
1930-31	1,410	48.0	718	33.8	542	545	460	110	75.8	65.5	11.6	0	335
1931-32	746	a212	341	a1,950	a1,700	315	23.6	655	341	1,550	1.84	a430	688
1932-33	.18	0	249	464	32.8	975	420	757	1,130	7.5	.75	389	370
1933-34	.15	78.6	61.9	41.2	40.0	18.4	37.0	32.3	36.1	70.5	59.3	0	39.6
Av...	292	189	339	296	274	420	401	633	434	271	91.8	148	316

a Partly estimated.
b Estimated.
c Record incomplete.
d No record.
f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Trinity River Basin--Continued

West Fork of Trinity River at Fort Worth

(Drainage area, 2,431 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1920-21	740	310	289	512	812	457	699	135	555	549	13.3	12.0	421
1921-22	16.2	22.7	13.0	10.8	13.8	23.7	4,380	3,390	520	89.8	11.8	6.97	708
1922-23	a5.26	a36.5	15.4	30.0	202	a105	1,960	933	2,080	a19.1	3.90	9.66	446
1923-24	443	1,480	1,250	154	131	1,290	628	501	178	11.7	18.3	6.8	508
1924-25	6.99	9.11	12.9	11.3	13.8	8.28	78.0	1,070	a7.10	14.6	.92	a2.31	104
1925-26	83.2	a79.0	a12.7	a241	a35.5	b609	b795	b480	b365	b435	a735	a848	395
1926-27	a271	24.4	a659	288	477	1,100	2,080	159	160	a179	a25.3	a72.9	456
1927-28	a388	10.7	a112	49.8	a186	b78.3	524	a423	1,270	a733	b286	b23.7	340
1928-29	1.45	146	299	a308	a354	a304	a305	a1,910	a707	8.66	.64	3.61	363
1929-30	2.04	12.5	55.4	6.08	13.6	11.8	7.71	a2,240	a888	7.07	2.87	0	274
1930-31	1,440	68.4	807	a72.2	a653	712	558	200	129	84.6	25.8	2.13	396
1931-32	705	239	405	2,610	2,410	524	105	748	455	1,590	14.8	748	877
1932-33	17.3	15.7	320	635	182	1,310	524	905	1,180	73.6	38.5	431	471
1933-34	5.81	81.6	77.8	76.1	64.4	106	109	84.3	35.8	67.4	55.0	4.97	64.1
1934-35	1.86	9.05	5.02	52.0	29.8	38.4	35.2	1,903	1,274	843	349	145	394
1935-36	85.3	21.6	223	286	21.4	22.1	25.4	711	550	95.4	5.89	615	222
1936-37	1,141	604	93.3	88.0	165	343	147	19.9	251	9.73	53.1	128	254
Av...	315	186	274	319	339	414	762	930	624	283	96.5	180	394

West Fork of Trinity River at Grand Prairie

(Drainage area, 2,886 square miles)

1924-25	-	-	-	-	-	-	a119	1,630	17.0	31.7	12.1	20.6	-
1925-26	167	201	30.0	314	81.2	a553	963	531	436	370	678	829	430
1926-27	284	31.3	566	293	487	1,110	2,030	250	183	168	38.8	94.1	460
1927-28	589	28.7	146	74.7	208	95.5	734	467	1,560	773	342	38.8	421
1928-29	31.4	195	742	406	661	462	414	1,840	893	35.4	17.7	49.6	479
1929-30	20.9	35.5	68.2	21.7	26.8	38.8	91.3	3,020	820	31.3	26.9	16.2	356
1930-31	1,550	100	954	107	651	924	694	237	166	71.4	53.4	15.6	461
1931-32	639	291	447	3,550	3,170	741	191	938	513	1,710	53.3	1,240	1,120
1932-33	53.7	48.4	549	869	344	1,640	730	1,140	1,260	229	141	610	636

1933-34	35.6	94.7	123	138	93.2	266	195	156	48.2	74.5	69.1	a40.5	111
1934-35	29.2	45.1	28.7	115	82.9	76.4	63.2	2,625	1,703	870	404	163	521
1935-36	125	48.3	276	277	59.6	43.5	a42.6	a862	611	110	a25.4	a690	264
1936-37	a1,224	660	145	159	182	467	202	48.5	437	37.6	62.1	130	313
Av...	396	148	340	527	504	535	498	1,057	665	347	148	303	464

Trinity River at Dallas

(Drainage area, 6,001 square miles)

1902-3	-	-	-	-	-	-	-	-	-	1,820	71.6	16.0	-
1903-4	1,270	106	13.2	55.8	57.0	1,250	811	974	1,600	95.8	177	154	549
1904-5	136	41.9	19.4	81.7	148	832	3,290	6,470	873	4,710	272	141	1,430
1905-6	469	1,190	1,710	512	1,740	763	1,110	6,370	3,190	1,910	2,160	1,760	1,910
1906-7	204	183	265	245	202	363	237	2,750	3,310	1,870	82.2	21.2	814
1907-8	1,230	1,040	1,530	256	1,570	882	13,600	20,700	5,360	2,220	395	360	4,100
1908-9	1,360	281	b170	b40	b7	b90	b50	b60	b310	b220	b50	b15	224
1909-10	b40	b45	796	81.5	90.7	33.7	861	797	b400	300	b2	b25	290
1910-11	b2	0	b20	b250	b100	44.9	50.1	19.0	10.5	449	b550	b750	190
1911-12	b15	0	578	31.0	17.4	449	1,920	436	b500	41.8	b1,000	b3	416
1912-13	b15	47.8	b7	35.5	33.0	34.5	298	b500	b30	312	29.5	323	139
1913-14	909	2,080	8,660	297	214	323	4,130	6,010	2,990	80.8	b2,000	b1,000	2,410
1914-15	120	552	2,050	920	1,160	2,120	5,610	5,290	7,930	732	2,200	777	2,450
1915-16	1,580	209	187	3,510	1,820	539	11,300	3,960	1,420	140	b40	b200	2,070
1916-17	b50	b40	b30	116	64.4	153	800	1,060	444	396	269	214	304
1917-18	18.3	19.0	21.6	35.1	24.1	b450	b2,000	b650	b900	b100	b40	b500	395
1918-19	b1,500	6,360	3,490	3,750	3,360	b750	b3,150	b2,250	1,290	4,040	652	399	2,570
1919-20	6,800	5,160	1,680	4,990	1,260	2,480	1,140	16,300	3,150	596	1,350	4,840	4,170
1920-21	2,250	1,260	1,640	2,930	3,100	1,850	3,540	612	1,640	651	85.0	29.4	1,620
1921-22	41.7	41.2	28.5	42.6	54.2	55.3	10,900	9,490	1,550	272	33.1	23.9	1,880
1922-23	25.1	162	27.0	176	656	348	2,180	1,810	5,550	120	33.7	38.8	917
1923-24	1,070	2,320	6,010	422	462	4,990	2,010	1,660	451	54.9	43.1	26.5	1,640
1924-25	18.7	26.5	32.5	32.0	33.0	30.1	944	3,250	50.1	33.1	15.7	42.0	380
1925-26	692	211	26.7	935	82.4	1,250	2,660	2,170	2,070	3,320	1,820	1,430	1,400
1926-27	609	68.1	1,310	1,050	2,190	4,610	5,790	1,840	627	870	73.4	126	1,590
1927-28	1,520	174	1,250	316	684	181	1,850	1,230	2,520	1,150	398	37.2	941
1928-29	103	321	3,060	1,210	1,430	1,150	1,380	7,090	2,700	70.4	61.6	298	1,580
1929-30	471	93.8	906	109	160	136	263	8,500	b1,110	a57.3	54.5	61.4	1,010
1930-31	1,990	480	2,650	517	1,550	3,090	1,780	484	442	202	168	103	1,120
1931-32	942	432	646	10,500	9,060	2,730	791	2,160	907	3,210	194	1,920	2,780

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Trinity River Basin--Continued

Trinity River at Dallas--Continued

(Drainage area, 6,001 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1932-33	204	243	1,460	1,630	811	4,130	1,310	3,140	2,030	569	968	1,000	1,470
1933-34	299	264	243	432	349	1,260	1,380	672	91.3	97.4	79.3	111	441
1934-35	68.2	178	85.0	347	297	285	264	13,120	6,124	1,241	789	501	1,958
1935-36	441	570	2,284	735	282	141	99.6	1,589	692	182	56.6	2,384	789
1936-37	3,677	1,774	461	1,734	634	1,287	428	213	788	100	708	647	1,042
Av...	886	764	1,275	1,127	991	1,149	2,586	3,930	1,854	921	483	579	1,382

Note.- Records for 1903-6 supersede those previously published. Records for 1907-20 not previously published and are subject to large error. They are based on gage-height record obtained by U. S. Weather Bureau. Gage moved 6 miles downstream July 20, 1930, and returned to original site Oct. 1, 1932.

Trinity River near Rosser

(Drainage area, 8,057 square miles)

1923-24	-	-	-	-	-	-	-	-	-	-	64.3	63.2	-

Note.- Only gage heights available October 1924 to September 1925.

Trinity River near Oakwood

(Drainage area, 12,840 square miles)

1905	-	-	-	223	1,580	5,160	10,800	32,800	12,900	17,500	4,890	59.3	-
1906	545	2,230	9,330	6,940	8,160	3,030	4,100	11,300	14,400	1,750	5,740	1,990	5,790
1907	561	318	8,050	1,510	316	1,720	128	11,700	18,500	3,800	(c)	(d)	-
1908	1,240	7,230	10,800	5,530	10,300	3,410	24,600	34,200	42,400	1,240	3,060	1,640	12,100
1909	937	1,580	396	82.1	5.89	326	136	177	666	567	70.8	26.8	414
1910	70.7	76.2	993	92.2	230	139	3,870	3,470	685	410	3.52	44.5	840
1911	2.91	0	32.9	636	455	334	2,720	356	10.5	624	142	1,820	594
1912	27.6	1.58	1,260	206	126	4,010	5,780	1,920	645	144	1,540	3.29	1,310
1913	33.3	50.0	14.2	48.6	195	300	622	814	45.8	3,630	179	414	529
1914	1,820	933	41,700	788	649	1,530	11,500	51,900	15,800	449	(c)	(d)	-

1915	(d)	131	5,280	4,680	5,450	14,600	14,700	38,100	10,800	1,600	5,550	6,800	-
1916	2,390	622	570	2,930	16,700	690	27,600	13,300	2,090	564	102	168	5,640
1917	177	105	64.4	140	88.0	418	1,240	1,920	1,840	1,690	233	342	688
1918	78.5	43.9	102	102	32.4	(d)	(d)	(c)	2,260	171	39.8	64.4	-
1919	1,390	21,400	14,000	(c)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	-
1920	(d)	(d)	(d)	(c)	10,500	1,750	5,960	20,800	6,840	3,390	2,290	8,620	-
1921	2,730	8,190	(c)	13,800	4,750	6,610	9,110	3,020	6,490	3,150	370	64.6	-
1922	105	9.80	97.5	193	1,080	2,690	27,900	41,600	5,290	2,650	280	33.3	6,830
1923	26.9	227	57.6	462	2,140	1,470	3,630	6,220	12,500	180	26.8	1,740	2,390
1924	664	1,200	20,900	b6,260	a4,830	16,000	6,570	5,310	6,300	90.0	77.8	1,610	5,820
1925	b85.0	100	168	246	222	242	278	6,010	151	74.2	62.7	138	657
1926	1,540	3,820	146	5,000	716	7,860	10,100	10,400	4,770	9,040	4,120	3,340	5,100
1927	1,430	932	6,200	5,400	7,140	12,400	14,500	9,660	5,700	2,690	296	243	5,540
1928	4,400	b385	1,120	1,380	3,920	a3,120	6,880	3,440	6,780	3,280	1,310	125	3,000
1929	105	763	a7,590	6,960	3,120	5,810	4,820	13,800	22,700	530	124	643	5,580
1930	597	1,290	4,300	1,120	5,180	1,980	1,200	36,600	5,610	335	74.0	62.8	4,890
1931	3,590	976	8,310	2,260	5,850	7,370	4,600	4,020	1,300	448	207	a204	3,260
1932	613	732	1,440	25,000	35,100	19,100	1,600	8,350	4,170	4,400	526	6,200	8,850
1933	385	376	2,160	8,730	1,980	9,780	3,900	6,240	6,560	449	1,380	1,190	3,610
1934	372	257	501	2,770	1,750	7,140	11,800	2,630	572	145	91.6	206	2,350
1935	99	896	979	2,980	4,302	2,554	2,909	27,600	20,400	4,603	979	1,480	5,821
1936	1,908	2,113	7,700	1,345	813	597	298	4,850	2,966	1,891	139	666	2,121
1937	13,600	4,447	5,543	10,070	3,124	8,523	2,731	864	1,510	196	600	852	4,370
Av..	1 384	1,982	5,327	3,803	4,400	4,860	7,309	13,330	7,614	2,240	1,150	1,360	3,924

Note.- Records prior to October 1923 not previously published and are based on gage-height records obtained by the U. S. Weather Bureau.

Trinity River at Riverside

(Drainage area, 15,510 square miles)

1903	-	-	-	7,300	13,200	25,300	10,000	1,780	1,850	8,320	6,570	537	-
1904	5,220	1,030	1,640	779	3,230	1,720	7,180	10,100	6,270	1,650	973	1,240	3,420
1905	240	462	1,390	1,110	4,060	9,720	15,300	30,300	24,200	20,100	8,140	682	9,640
1906	1,850	4,610	9,270	13,200	10,300	5,840	6,240	11,200	15,500	3,450	7,450	3,530	7,700
1907	1,650	660	7,400	-	-	-	-	-	-	-	-	-	-
1924	1,130	3,700	21,500	15,400	10,300	21,000	16,000	7,150	10,400	441	221	6,980	9,120
1925	170	188	274	564	341	435	359	6,190	352	151	100	147	782
1926	4,020	13,600	675	7,260	1,970	14,100	21,600	15,000	6,480	9,080	5,580	3,900	8,630

a Partly estimated.
b Estimated.
c Record incomplete.
d No record.

Monthly and annual mean discharge, in second-feet, at stations in the Trinity River Basin--Continued

Trinity River at Riverside--Continued

(Drainage area, 15,510 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1927	2,110	1,790	9,840	7,730	9,760	17,400	17,500	12,700	6,760	3,940	643	314	7,530
1928	5,610	1,080	1,700	2,310	4,430	7,490	7,250	3,590	8,300	4,630	1,950	182	4,040
1929	106	762	6,790	a9,360	4,460	7,100	6,430	22,600	36,200	2,110	256	729	8,070
1930	600	3,980	2,530	3,400	9,080	5,010	1,480	32,900	16,400	795	173	183	6,370
1931	3,970	1,610	11,400	4,570	11,100	9,840	7,220	6,780	1,630	630	391	238	4,920
1932	599	1,040	4,350	32,700	35,300	28,700	2,920	8,030	5,010	5,010	a762	7,130	10,900
1933	475	481	2,110	11,500	4,660	13,200	5,960	7,250	7,750	649	1,550	1,490	4,770
1934	597	558	804	6,010	4,670	14,200	21,500	3,490	1,100	200	135	301	4,450
1935	161	1,535	3,090	4,420	8,769	5,370	4,958	39,310	27,400	10,920	1,357	1,880	9,102
1936	1,914	3,385	12,690	2,302	1,722	1,443	662	7,062	5,034	4,175	278	240	3,430
1937	12,610	a6,127	a5,637	12,660	5,164	10,910	3,908	1,109	1,944	269	522	a1,495	5,216
Av...	2,391	2,589	5,727	7,921	7,918	11,040	8,693	12,590	10,140	4,251	2,058	1,733	6,358

Trinity River at Romayor

(Drainage area, 17,190 square miles)

1924	-	-	-	-	-	-	-	-	14,600	774	383	1,030	-
1925	343	a361	a457	1,310	594	528	415	5,800	455	226	160	205	913
1926	5,940	17,300	1,370	10,600	2,730	16,000	23,100	16,000	6,570	7,980	5,740	3,800	9,790
1927	1,830	1,810	9,930	8,400	10,400	19,400	18,700	14,300	6,820	4,440	1,080	498	8,130
1928	a6,030	1,610	2,500	3,200	4,470	9,470	8,040	3,980	8,130	a4,740	a2,030	302	4,540
1929	a261	b918	b7,820	a10,800	6,420	9,740	7,200	29,700	37,700	2,770	494	949	9,570
1930	757	5,090	2,590	6,300	12,400	6,660	2,270	23,100	20,600	1,390	338	368	6,780
1931	4,470	2,170	13,700	7,890	13,100	11,000	7,230	7,520	1,590	767	517	401	5,840
1932	464	1,580	6,300	32,700	36,300	31,100	3,600	7,550	5,260	4,670	1,300	6,930	11,400
1933	724	592	1,950	11,700	6,650	15,800	6,760	6,590	8,160	1,260	1,740	1,650	5,300
1934	684	574	698	5,650	6,860	15,500	21,600	3,310	1,370	301	247	342	4,730
1935	381	2,115	5,293	5,024	9,438	5,686	5,629	45,910	31,440	13,490	1,629	2,225	10,700
1936	1,768	4,379	16,660	2,805	2,255	1,629	794	7,016	5,245	6,295	572	357	4,174
1937	a11,010	a6,093	5,971	13,750	6,003	a10,920	5,163	1,285	a1,764	424	a455	a1,648	5,388
Av..	2,666	3,430	5,788	9,241	9,048	11,800	8,500	13,240	10,690	3,538	1,192	1,479	6,712

Big Sandy Creek near Bridgeport

(Drainage area, 276 square miles)

1937	-	16.8	a34.7	41.5	18.5	58.1	a25.1	a5.84	8.36	13.8	32.3	3.15	-

Clear Fork of Trinity River at Fort Worth

(Drainage area, 522 square miles)

1924	-	-	-	-	-	-	213	273	124	7.0	18.6	0	-
1925	0	0	0	4.57	5.65	6.60	80.8	513	2.44	0	0	0	51.8
1926	42.6	8.68	.20	49.9	5.42	48.7	17.3	100	28.4	32.3	a75.0	104	55.9
1927	6.79	2.45	8.43	5.68	9.18	a100	a273	7.78	13.9	.70	0	2.49	35.7
1928	a38.7	.07	a4.94	a5.81	b130	b50.0	b425	b25.1	b55.0	b12.0	5.12	.88	61.8
1929	0	3.19	151	63.5	264	182	153	228	86.5	4.91	.28	.03	93.6
1930	0	0	4.51	.58	1.15	5.48	1.33	478	17.6	.12	0	0	43.2
1931	74.7	11.2	79.6	28.6	149	178	113	49.2	24.0	8.33	1.59	.07	59.3
1932	0.05	0	1.06	747	a684	166	54.2	101	113	a150	4.84	263	188
1933	8.19	a12.5	79.6	106	119	312	92.7	188	26.1	57.3	30.6	6.25	86.8
1934	.54	0	3.41	11.6	13.3	61.7	59.5	43.1	.34	.02	0	0	16.2
1935	0	2.95	.01	46.7	17.9	27.6	24.9	1,233	245	15.4	.12	23.9	138
1936	11.3	16.4	42.2	14.5	12.6	6.95	2.86	98.8	4.31	0	0	456	55.0
1937	107	51.3	77.3	77.0	37.8	155	46.5	16.2	102	6.15	0	.67	56.7
Av...	22.3	8.36	34.8	89.3	111	100	111	240	60.2	21.0	9.72	61.2	72.5

Village Creek near Handley

(Drainage area, 130 square miles)

1925	-	-	-	-	-	-	-	-	-	0	0.01	1.23	-
1926	10.3	2.31	0.09	31.8	0.70	37.6	136	72.2	46.6	8.42	8.33	6.16	30.1
1927	.20	.65	.64	.73	5.05	14.3	29.1	14.7	3.93	.97	12.9	11.6	7.88
1928	a77.0	b1.50	a3.06	a1.04	20.7	2.59	42.2	1.24	73.4	2.27	.35	0	18.7
1929	0	.13	246	16.0	179	38.2	99.9	42.9	10.3	.16	0	20.7	53.7
1930	1.24	.14	1.26	.85	8.51	-	-	-	-	-	-	-	-

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Trinity River Basin--Continued

Mountain Creek near Grand Prairie

(Drainage area, 267 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1925	-	-	-	-	-	-	8.25	254	0	0	0	12.2	-
1926	18.4	71.3	0	103	1.52	8.46	200	47.6	a50.5	a58.2	.27	.01	46.5
1927	0	0	.23	0	.38	115	117	122	19.6	.19	.53	2.80	31.7
1928	166	.05	1.48	a1.20	a66.8	25.0	104	.43	323	94.0	.12	0	64.8
1929	0	.04	529	97.8	83.8	106	286	275	28.5	.60	0	19.7	120
1930	19.3	11.6	7.77	1.96	17.7	25.2	65.2	a906	a28.7	.03	.34	2.09	91.8
1931	38.0	.67	78.8	6.68	a96.2	199	39.6	a35.5	a18.7	3.99	1.82	.17	43.1
1932	a2.50	0	2.38	a546	422	123	108	a254	14.9	a62.3	.27	a139	139
1933	a.11	.14	a149	197	133	219	72.4	366	19.1	-	-	-	-

Elm Fork of Trinity River near Denton

(Drrinage area, 1,100 square miles)

1924	-	-	716	126	94	1,480	657	288	35.6	17.8	6.96	2.92	-
1925	2.52	0.83	18.4	5.74	5.74	3.53	379	337	4.07	.76	20.3	117	74.5
1926	143	24.8	1.33	220	11.5	101	550	879	498	1,340	409	44.9	355
1927	157	29.9	-	-	-	-	-	-	-	-	-	-	-

Elm Fork of Trinity River near Carrollton

(Drainage area, 2,535 square miles)

1924	-	858	5,070	274	210	2,960	1,220	603	111	39.2	10.7	a2.45	-
1925	3.77	.67	21.4	5.62	0	0	670	1,180	11.7	0	9.30	46.2	163
1926	488	93.2	1.05	369	21.8	522	1,010	1,510	1,380	2,790	720	255	771
1927	287	29.7	773	757	1,690	2,870	2,910	1,000	357	588	30.7	29.8	939
1928	499	144	1,120	218	264	57.8	582	709	878	243	54.9	a16.4	400
1929	a118	131	552	416	366	307	373	4,300	1,040	50.9	42.8	217	664
1930	411	80.9	826	79.4	102	75.7	88.0	2,710	186	70.9	62.2	38.6	400
1931	480	507	1,440	348	911	1,930	797	187	224	144	116	84.3	597
1932	342	104	197	5,570	5,290	1,560	419	732	300	1,460	150	305	1,360
1933	161	202	618	515	385	2,100	327	1,540	725	392	469	388	657

1934	297	163	94.0	200	225	653	742	501	93.2	93.2	76.7	77.5	268
1935	75.1	138	74.6	198	159	197	193	9,881	3,585	338	369	339	1,307
1936	291	486	1,961	445	237	125	95.9	690	148	114	101	1,525	519
1937	2,080	1,108	296	1,317	426	498	226	182	357	118	699	495	653
Av...	426	289	932	765	735	990	689	1,838	671	460	208	273	669

Note.- Station located a quarter of a mile below mouth of Denton Creek.

Elm Fork of Trinity River near Dallas

(Drainage area, 2,655 square miles)

1906-7	-	-	-	53.2	64.5	111	52.9	2,150	2,270	1,250	19.0	0.02	-
1907-8	625	666	1,040	145	1,250	688	a7,670	a10,100	a4,030	1,190	98.5	132	2,300
1908-9	1,280	114	213	a7.35	a6.85	a9.58	a11.8	.99	276	15.3	0	0	163
1909-10	0	9.39	a201	a8.39	1.74	0	361	35.6	37.1	205	0	0	71.8
1910-11	0	0	0	0	.02	0	0	0	0	101	420	311	69.8
1911-12	5.40	0	204	0	0	404	1,390	389	459	1.03	888	3.15	312
1912-13	0	18.6	0	0	0	.03	a54.2	a325	25.7	252	2.14	50.8	61.4
1913-14	162	1,450	a3,690	a128	a101	a410	a1,800	a2,840	1,610	0	1,770	a395	1,200
1914-15	b110	b230	a674	367	778	1,400	a2,610	a2,750	a3,750	401	1,330	312	1,220
1915-16	971	114	107	2,040	1,100	289	a5,870	2,410	903	51.0	2.79	156	1,160
1916-17	.36	10.2	22.1	1.25	12.8	52.7	779	666	312	215	104	54.3	186
1917-18	.02	0	0	0	0	0	1,710	333	283	18.6	0	338	221
1918-19	1,290	2,480	1,990	1,980	2,180	503	2,180	1,160	495	a1,970	261	108	1,380
1919-20	a3,480	2,710	758	3,370	482	a1,230	a463	a6,610	a1,480	229	1,060	3,440	2,130
1920-21	a1,500	651	921	1,960	2,140	953	2,770	231	767	169	26.3	2.70	998
1921-22	0	0	1.71	8.90	14.4	21.8	a5,060	a4,370	657	161	0	0	859
1922-23	0	121	0	81.9	406	228	(g)	(c)	(d)	(c)	.10	0	-
1923-24	476	(g)	(g)	264	198	(g)	(g)	(g)	116	21.4	0	0	-
1924-25	0	0	0	0	0	0	664	a1,270	8.69	0	0	19.8	165
1925-26	427	68.0	0	358	17.7	a535	1,050	1,460	1,300	a2,600	870	a235	750
1926-27	317	22.5	736	728	1,530	a2,880	a3,250	1,080	344	660	16.8	12.1	961
1927-28	a597	134	982	214	372	54	a743	673	a923	a284	50.6	.30	419
1928-29	77.1	140	a1,180	-	-	-	-	-	-	-	-	-	-
Av...	514	426	606	532	484	465	1,920	1,940	955	466	315	253	770

Note.- Records January 1907 to October 1920 not previously published and are of doubtful accuracy; they are based on gage-height record obtained by City of Dallas.

a Partly estimated.
b Estimated.
c Record incomplete
d No record
g Backwater.

Monthly and annual mean discharge, in second-feet, at stations in the Trinity River Basin--Continued

Denton Creek near Roanoke

(Drainage area, 704 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	212	713	54.5	40.0	604	218	119	22.5	3.93	3.13	0.03	-
1924-25	0	1.95	.19	.76	2.04	1.92	118	287	1.67	1.28	2.33	0	35.2
1925-26	36.6	3.26	0	55.5	1.48	188	205	177	265	193	93.9	35.0	105
1926-27	24.8	1.83	123	102	200	456	825	64.8	16.6	44.6	16.8	8.63	156
1927-28	48.0	.69	94.2	-	-	-	-	-	-	-	-	-	-

East Fork of Trinity River near Rockwall

(Drainage area, 831 square miles)

1923-24	b69.0	a30.0	980	218	197	1,210	542	672	160	16.3	0	0	341
1924-25	0	0	0	1.15	23.2	.96	134	537	23.9	1.49	0	0	60.7
1925-26	19.6	10.8	.07	98.4	10.2	183	682	793	1,150	3,220	183	56.6	539
1926-27	185	163	864	626	649	1,440	2,100	525	425	1,400	32.3	16.1	702
1927-28	343	34.3	273	137	671	186	2,130	431	452	166	15.0	.48	399
1928-29	.68	52.8	1,180	908	763	589	461	2,830	477	40.9	.47	1.57	612
1929-30	6.68	28.7	21.4	13.2	62.8	31.8	191	1,850	46.0	21.5	0	0	192
1930-31	8.14	9.62	255	22.0	195	554	298	233	269	1.86	8.12	2.67	154
1931-32	23.1	.08	43.0	4,120	2,240	309	95.4	317	114	980	236	108	715
1932-33	34.4	5.78	733	919	299	1,260	355	913	222	7.4	36.0	37.2	405
1933-34	4.29	42.0	25.0	188	303	809	738	467	44.1	.15	0	.16	218
1934-35	0	28.4	.99	238	116	111	337	3,030	3,466	58.4	1.53	83.5	623
1935-36	129	431	634	125	96.1	60.8	21.8	105	30.1	2.50	0	195	153
1936-37	495	188	322	1,241	222	560	288	75.8	35.2	.48	170	19.4	304
Av...	94.1	73.2	381	632	418	522	598	913	494	423	48.7	37.2	387

Chambers Creek near Emhouse

(Drainage area, 782 square miles)

1924-25	-	-	-	-	-	0.95	-	-	0	-	-	-	-

Richland Creek near Richland

(Drainage area, 760 square miles)

1924-25	-	-	-	0.5	-	-	-	-	-	-	-	-	-

SAN JACINTO RIVER BASIN

San Jacinto River near Conroe

(Drainage area, 832 square miles)

1923-24	-	-	-	-	-	-	-	-	2,030	54.4	27.2	29.0	-
1924-25	20.3	20.8	41.2	a128	a79.9	39.9	26.0	18.9	15.4	13.5	20.5	18.2	36.7
1925-26	1,470	4,120	241	1,920	221	2,270	(f)	1,150	a122	109	85.1	50.4	-
1926-27	32.9	30.2	876	204	299	1,690	2,200	327	1,100	199	67.0	36.5	588

San Jacinto River near Humble

(Drainage area, 1,811 square miles)

1928-29	-	54.8	152	a1,060	396	1,660	3,670	7,930	6,330	1,010	102	79.8	-
1929-30	48.0	1,250	a527	1,840	2,910	1,310	358	a1,220	104	a45.0	38.6	44.0	794
1930-31	212	151	1,950	1,760	2,810	3,070	459	916	83.4	69.7	40.8	30.3	956
1931-32	27.7	132	973	4,550	3,140	1,680	314	402	112	61.2	66.1	56.5	956
1932-33	46.4	43.2	159	266	1,420	1,670	394	109	57.4	64.2	67.3	59.1	357
1933-34	35.7	35.6	50.9	1,250	4,110	3,100	2,910	123	48.7	36.4	31.1	64.2	960
1934-35	131	299	1,481	1,204	1,954	1,248	2,557	11,160	397	164	116	288	1,758
1935-36	115	650	a6,949	a406	684	264	155	3,272	686	3,289	128	172	1,412
1936-37	110	61.6	489	1,931	429	1,389	733	76.3	68.3	53.9	81.4	70.9	461
Av...	90.7	297	1,415	1,585	1,984	1,710	1,283	2,801	876	533	74.6	96.1	957

BUFFALO BAYOU BASIN

Buffalo Bayou at Houston

(Drainage area, 326 square miles)

1935-36	-	-	-	-	-	-	-	-	843	109	14.8	39.7	-
1936-37	25.1	8.95	84.5	170	37.7	163	130	5.67	14.9	13.3	8.14	12.5	56.5

a Partly estimated.
b Estimated.

f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Buffalo Bayou Basin--Continued

Whiteoak Bayou at Houston

(Drainage area, 89.0 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1935-36	-		-	-	-	-	-	-	41.7	27.6	2.79	10.5	-
1936-37	6.66	1.31	48.4	56.2	9.98	109	22.7	.75	5.93	20.5	7.15	2.46	24.5

Brays Bayou at Houston

(Drainage area, 98.2 square miles)

1935-36	-	-	-	-	-	-	-	-	80.8	95.7	17.9	25.3	-
1936-37	5.38	1.35	53.6	134	17.5	72.1	3.71	.95	3.78	1.72	1.05	2.56	25.1

BRAZOS RIVER BASIN

Double Mountain Fork of Brazos River near Aspermont

(Drainage area, 7,980 square miles, of which about 6,470 square miles is probably noncontributing)

1923-24	-	-	-	0.57	0.23	0.17	164	73.3	12.3	12.4	0	126	-
1924-25	40.1	0	0	3.50	0	0	672	240	17.5	26.9	450	629	173
1925-26	96.0	33.2	a.74	a.49	a.45	a14.9	247	135	247	284	907	432	201
1926-27	2,640	72.4	179	28.8	53.7	a22.4	67.0	11.2	273	365	135	75.2	331
1927-28	38.5	.07	.18	1.38	.02	2.57	.15	729	64.5	818	317	3.98	167
1928-29	3.78	9.16	a1.20	a.41	1.27	10.8	18.0	385	321	205	b.10	921	156
1929-30	a14.6	.87	.07	.03	.05	.07	470	1,580	324	9.01	1.81	100	210
1930-31	186	23.0	199	7.32	32.1	6.02	12.8	67.2	38.2	53.7	0	.33	52.6
1931-32	295	166	13.1	65.7	111	7.47	152	242	537	376	428	a1,520	324
1932-33	78.6	a15.4	a242	29.4	9.03	18.2	b.19	307	5.13	86.8	391	105	109
1933-34	28.7	5.15	9.46	1.35	.22	15.5	325	54.3	96.2	0	0	251	64.9
Av...	342	32.5	64.5	12.6	18.9	8.92	193	348	176	203	239	379	179

Brazos River at Seymour

(Drainage area, 14,490 square miles, of which about 9,240 square miles is probably noncontributing)

1923-24	-	-	201	20.7	3.68	27.5	a908	344	a681	8.88	12.0	460	-
1924-25	108	0.09	0	4.58	3.74	0	a,245	440	115	62.4	1,026	3,729	640
1925-26	293	66.5	5.02	13.0	.40	112	a912	610	883	623	4,343	a714	721
1926-27	4,792	151	159	159	123	31.0	50.6	142	533	567	21.8	69.3	574
1927-28	20.4	1.35	3.20	6.59	5.10	19.2	0	1,867	188	1,388	559	14.4	344
1928-29	0	11.9	2.19	0	6.08	38.0	34.7	520	708	480	.50	2,908	390
1929-30	135	24.3	2.05	3.31	6.20	1.81	2,150	3,040	1,790	13.1	23.7	194	616
1930-31	2,190	49.2	859	69.5	170	62.2	102	67.3	37.7	156	2.43	0	318
1931-32	905	668	101	194	205	106	387	455	1,090	a1,320	a627	a4,580	882
1932-33	159	40.4	a560	a107	48.9	277	27.1	854	36.5	43.9	a1,120	403	310
1933-34	101	24.2	a29.2	45.3	5.32	91.3	382	81.8	30.4	0.26	0.04	a230	84.8
1934-35	19.8	764	a34.5	3.44	11.2	155	a360	a2,309	a3,492	a929	a70.6	a1,638	814
1935-36	a171	165	94.8	18.4	23.0	1.91	a212	a1,190	250	401	a9.58	a4,044	545
1936-37	a161	b30.0	a21.4	22.8	13.4	142	a69.1	a2.88	a553	22.6	1,596	66.1	227
Av...	697	154	148	47.7	44.6	76.1	560	852	742	430	672	1,361	497

Brazos River near Graham

(Drainage area, 15,730 square miles, of which about 9,240 square miles is probably noncontributing)

1915-16	-	-	22.1	23.0	8.51	1.53	735	346	370	37.7	1.00	249	-
1916-17	449	21.6	9.86	5.78	4.55	.94	21.0	1.81	11.6	133	71.8	644	115
1917-18	4.66	1.66	.10	0	0	0	190	67.2	557	.27	0	604	117
1918-19	1,040	42.9	470	348	162	392	1,310	2,130	825	858	a168	(c)	-
1919-20	(c)	755	65	74	67	-	-	-	-	-	-	-	-

Brazos River near Palo Pinto

(Drainage area, 22,760 square miles, of which about 9,240 square miles is probably noncontributing)

1933-34	-	-	72.8	220	147	1,006	941	125	26.8	0	0	231	-
1934-35	42.4	1,265	95.1	29.1	134	370	602	a8,521	8,187	3,651	240	3,239	2,203
1935-36	388	290	255	65.1	49.5	25.8	76.3	2,341	698	811	2.60	11,140	1,334
1936-37	a2,631	259	165	93.7	63.2	409	102	106	895	127	a1,769	a306	583

a Partly estimated. b Estimated. c Record incomplete.

Monthly and annual mean discharge, in second-feet, at stations in the Brazos River Basin--Continued

Brazos River near Mineral Wells

(Drainage area, 23,150 square miles, of which about 9,240 square miles is probably noncontributing)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	-	-	81.8	929	973	1,300	841	172	1.84	a2,420	-
1924-25	87.8	4.63	1.07	7.50	5.54	.10	2,780	6,040	344	114	1,080	7,310	1,480
1925-26	1,120	214	25.4	82.5	20.8	331	1,940	930	3,920	1,690	3,720	1,950	1,330
1926-27	5,570	344	2,020	292	453	711	2,170	164	1,390	1,070	212	207	1,230
1927-28	671	22.0	10.1	26.1	14.4	12.0	51.5	6,060	3,190	3,190	2,530	444	1,360
1928-29	12.7	222	50.0	188	17.7	114	264	3,640	1,090	783	21.3	5,460	987
1929-30	762	120	56.6	17.2	25.6	13.2	1,020	9,830	6,200	339	111	658	1,600
1930-31	7,320	316	2,030	173	1,070	451	220	323	303	415	34.3	.38	1,060
1931-32	4,230	1,120	906	1,210	1,270	265	257	3,560	3,520	6,930	415	11,700	2,950
1932-33	682	181	1,860	651	194	585	408	4,990	334	148	1,360	1,040	1,050
1933-34	225	106	-	-	-	-	-	-	-	-	-	-	-
Av...	2,070	265	773	294	315	341	1,010	3,680	2,110	1,490	949	3,120	1,450

Brazos River at Brazos

(Drainage area, 23,260 square miles, of which about 9,240 square miles is probably noncontributing)

1915-16	2,410	307	97.5	155	69.8	31.6	3,670	1,410	864	262	7.20	261	794
1916-17	1,020	69.3	16.3	15.2	12.0	4.90	41.0	93.1	197	254	182	877	233
1917-18	72.3	.98	5.11	.48	.54	.11	1,590	1,940	2,790	285	.37	2,750	781
1918-19	2,600	1,740	1,680	976	1,020	1,060	2,990	7,520	2,470	3,390	1,350	548	2,300
Av...	1,520	529	450	287	276	274	2,070	2,740	1,580	1,050	385	1,110	1,030

Brazos River near Glen Rose

(Drainage area, 24,840 square miles, of which about 9,240 square miles is probably noncontributing)

1923-24	5,970	4,930	3,530	365	223	2,180	1,450	2,500	1,450	a27.1	18.1	2,050	2,060
1924-25	202	51.0	23.5	27.4	22.0	a5.98	a2,130	6,700	282	126	753	6,000	1,360
1925-26	1,940	445	67.1	313	48.2	392	2,820	1,840	5,270	2,230	3,890	3,670	1,910

1926-27	5,750	673	2,330	405	591	1,160	2,940	487	1,720	1,180	401	320	1,510
1927-28	1,430	56.5	166	60.3	205	55.9	564	5,490	3,890	3,200	3,270	883	1,620
1928-29	29.1	242	676	595	296	339	745	3,830	1,920	718	76.5	a5,500	1.250
1929-30	1,030	221	115	41.2	42.2	41.5	a9.37	10,200	6,040	623	112	1,160	1,640
1930-31	7,750	530	3,870	258	1,870	735	390	814	1,090	308	84.6	3.52	1,480
1931-32	4,490	1,280	1,140	2,830	2,500	715	265	3,840	3,760	a7,820	529	11,100	3,350
1932-33	690	277	1,760	a954	a276	1,090	404	5,120	a1,060	175	1,000	1,420	1,200
1933-34	339	126	125	406	187	1,150	1,230	219	61.8	0	0	208	339
1934-35	81.0	960	233	497	250	351	707	13,230	8,556	4,212	543	3,438	2,768
1935-36	406	553	418	114	79.2	50.0	40.9	3,002	1,160	864	12.7	12,670	1,601
1936-37	4,434	690	370	226	147	703	147	182	1,601	141	1,406	476	884
Av...	2,467	788	1,059	507	481	641	989	4,104	2,704	1,545	864	3,493	1,641

Brazos River at Waco

(Drainage area, 28,500 square miles, of which about 9,240 square miles is probably noncontributing)

1897-98	-	-	-	-	-	-	-	-	-	-	-	-	-
1898-99	389	105	166	141	103	42.7	174	1,580	11,500	10,900	597	90.1	2,160
1899-1900	924	5,670	3,000	2,320	885	1,090	11.000	7,300	4,990	3,020	2,140	15,300	4,780
1900-1901	4,370	1,940	634	545	408	256	631	2,990	2,710	127	490	752	1,330
1901-2	257	260	110	48.3	46.7	1,010	1,030	4,330	2,150	15,400	2,350	1,660	2,420
1902-3	1,210	4,620	1,640	1,080	6,190	6,610	1,140	708	1,620	1,410	745	557	2,270
1903-4	3,770	450	149	112	259	369	483	2,150	3,410	1,760	1,710	1,100	1,320
1904-5	1,880	461	195	349	545	1,610	7,320	18,300	3,860	5,710	2,240	1,860	3,720
1905-6	1,560	718	931	548	733	352	547	3,970	8,610	3,090	4,020	3,020	2,350
1906-7	1,400	640	1,270	827	580	557	351	3,180	3,700	3,400	858	376	1,440
1907-8	2,560	2,590	3,440	1,220	1,500	1,310	19,100	22,000	3,120	1,060	777	926	4,970
1908-9	444	218	367	32.0	22.0	31.8	26.9	354	4,610	359	1,410	113	665
1909-10	230	437	2,750	114	192	41.7	1,500	3,290	620	170	18.6	616	836
1910-11	270	78.6	56.1	12.3	1,120	240	443	187	33.3	3,100	1,720	5,110	1,030
1911-12	177	79.2	2,310	263	367	899	732	767	990	262	3,510	431	905
1912-13	1,000	137	40.3	10.6	90.4	232	536	3,980	1,340	1,050	351	2,690	960
1913-14	5,150	5,620	23,100	868	327	712	7,290	19,400	7,410	1,430	10,900	3,450	7,200
1914-15	1,630	1,870	3,010	1,950	1,310	2,130	17,700	16,900	13,000	2,680	2,210	1.970	5,530
1915-16	3,220	509	415	1,490	1,500	476	13,800	6,470	2,480	523	172	383	2,610
1916-17	1,650	281	136	117	85.8	95.3	267	846	1,180	479	391	1,310	572
1917-18	175	41.7	52.3	44.2	26.4	21.0	3,320	2,730	3,000	228	2.7	22,680	1,020

a Partly estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Brazos River Basin--Continued

Brazos River at Waco--Continued

(Drainage area, 28.500 square miles, of which about 9,240 square miles is probably noncontributing)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1918-19	4,580	11,300	6,230	5,840	3,990	3,490	4,390	9,450	9,470	5,270	4,430	5,360	6,150
1919-20	12,400	11,800	2,940	6,180	2,640	2,030	1,000	14,800	5,550	1,420	7,810	10,200	6,580
1920-21	2,340	2,860	1,460	2,270	2,310	2,020	1,480	530	6,080	808	155	606	1,900
1921-22	173	67.1	90.4	79.1	87.3	291	19,000	23,700	3,860	775	118	143	4,040
1922-23	114	226	138	146	772	183	6,950	2,980	5,750	a241	a16.9	a885	1,520
1923-24	4,340	4,140	5,670	992	895	5,730	2,880	3,580	2,190	91.3	74.6	a1,930	2,720
1924-25	303	174	148	146	63.1	33.9	1,330	8,120	311	75.7	702	6,050	1,460
1925-26	2,690	1,250	153	1,540	352	1,810	6,840	2,990	5.820	3,580	2,700	4,800	2,890
1926-27	5,400	650	1,360	555	1,230	1,830	4,550	2,040	8,540	1,710	636	331	2,430
1927-28	2,310	133	207	182	999	407	1,860	5,650	5,550	2,640	3,400	1,030	2,030
1928-29	a83.6	a167	a750	744	445	849	2,320	5,870	a2,980	677	a164	6,540	1,800
1929-30	821	411	260	124	518	269	443	15,000	6,030	668	235	1,060	2,170
1930-31	10,300	a1,180	4,520	1,920	4,570	2,590	1.780	a1,860	a1,400	475	202	150	2,580
1931-32	4,480	1,520	1,380	5,550	8,210	3,520	896	6,760	4,280	8,200	691	10,400	4,640
1932-33	917	357	1,650	1,540	406	2,150	931	6,980	1,530	1,060	a1,340	1,700	1,730
1933-34	415	311	389	1,140	631	2,850	4,800	649	112	16.6	15.6	236	962
1934-35	118	1,465	393	812	1,346	651	1,902	22,110	11,130	4,361	1,005	5,286	4,230
1935-36	1,764	1,519	1,614	515	283	155	195	4,678	1,759	1,044	93.2	19,540	2,744
1936-37	7,063	1,755	3,555	2,156	1,437	2,299	710	515	2,519	406	1,270	843	2,055
Av...	2,381	1,744	1,974	1,142	1,217	1,314	3,888	6,659	4,240	2,300	1,581	3,115	2,634

Note.- Records 1898-1905, 1907-10 supersede those previously published. Records from January 1912 to September 1914 not previously published, and are based on gage-height records obtained by U. S. Weather Bureau.

Brazos River near Bryan

(Drainage area, 38,430 square miles, of which about 9,240 square miles is probably noncontributing)

1917-18	-	-	-	-	-	165	6,720	3,190	3,540	435	133	2,390	-
1918-19	4,510	13,900	10,700	11,200	9,760	5,200	8,770	16,700	15,100	13,000	8,290	8,570	10,500
1919-20	29,400	23,600	11,300	23,200	8,620	4,940	2,850	18,800	7,720	2,790	10,400	12,800	13,100
1920-21	4,090	5,760	3,810	3,680	3,890	4,430	9,010	4,200	10,200	4,240	540	h22,200	h6,300

1921-22	b1,500	b945	b539	b506	a877	3,760	39,300	58,800	7,040	2,430	955	463	9,810
1922-23	375	683	667	451	1,530	2,010	12,800	6,580	5,150	a802	b187	a2,180	2,770
1923-24	4,060	6,900	17,000	5,810	7,370	11,000	5,870	6,720	6,290	b868	b450	a2,220	6,220
1924-25	953	362	293	292	247	266	325	9,960	808	a306	724	ah5,690	h1,670
1925-26	6,310	7,140	701	(c)	-	-	-	-	(c)	5,810	3,450	5,220	-
1926-27	5,960	1,320	3,020	2,290	6,360	6,190	a8,800	4,040	a10,500	2,730	1,020	635	4,380
1927-28	6,920	908	777	677	3,840	1,760	2,790	6,110	8,390	2,740	3,780	1,330	3,340
1928-29	206	456	1,840	1,620	783	2,070	5,480	17,400	12,600	1,460	452	6,290	4,230
1929-30	1,330	2,180	419	378	1,620	1,280	510	a43,200	b5,800	a2,770	400	1,200	5,150
1930-31	a14,400	2,470	10,400	5,570	11,400	6,940	5,350	a4,390	a3,560	1,310	614	420	5,550
1931-32	3,920	1,910	2,050	11,700	13,500	a8,210	2,600	14,300	7,120	8,880	1,580	a15,200	7,560
1932-33	1,670	697	1,990	3,580	1,840	3,970	2,640	9,090	3,230	631	2,850	2,210	2,880
1933-34	634	586	335	2,840	2,380	6,770	14,000	2,010	498	186	113	326	2,540
1934-35	236	2,460	1,177	1,074	4,108	a1,187	2,360	36,680	a17,640	a5,281	a1,779	a9,394	6,961
1935-36	a3,968	2,675	10,010	2,191	1,254	1,058	1,079	15,720	6,578	7,683	a580	a14,600	5,634
1936-37	19,630	6,232	11,610	9,697	a5,146	6,803	2,651	1,354	4,834	1,912	1,318	1,564	6,094
Av...	5,793	4,273	4,665	4,820	4,696	4,106	7,048	14,700	7,189	3,313	1,981	5,745	5,816

Note.- Station was located 7.5 miles downstream prior to September 11, 1926; and records for that site were formerly published as Brazos River near College Station, Tex.

Brazos River at Rosenberg

(Drainage area, 44,020 square miles, of which about 9,240 square miles is probably noncontributing)

1922-23	888	1,920	1,030	1,290	3,970	7,080	23,600	10,000	6,830	1,610	740	3,200	5,150
1923-24	4,810	10,600	30,400	11,800	15,500	22,500	12,900	10,300	15,300	1,440	750	1,820	11,500
1924-25	1,360	689	733	718	619	503	454	8,360	885	519	690	4,880	1,710
1925-26	16,100	18,900	1,560	8,760	3,360	15,500	36,700	20,100	7,770	6,040	4,420	5,720	12,100
1926-27	6,240	3,410	11,400	4,750	9,790	11,000	16,200	6,850	14,100	6,150	1,680	984	7,680
1927-28	9,740	1,370	1,340	1,390	5,530	4,850	b3,600	b4,800	a13,700	2,620	4,290	1,770	4,580
1928-29	612	686	3,750	5,340	1,730	4,810	a11,900	18,400	39,700	5,240	935	6,600	8,290
1929-30	1,400	9,320	1,590	3,480	7,340	3,870	2,260	42,300	9,780	2,080	944	a1,990	7,210
1930-31	14,900	3,560	15,200	11,600	14,100	14,100	6,350	6,770	a3,670	1,570	a967	a757	7,800
Av...	6,230	5,610	7,450	5,460	6,880	9,360	12,700	14,200	12,400	3,030	1,710	3,080	7,340

a Partly estimated.
b Estimated.
c Record incomplete.
h Not previously published.

Monthly and annual mean discharge, in second-feet, at stations in the Brazos River Basin--Continued

Brazos River at Richmond

(Drainage area, 44,050 square miles, of which about 9,240 square miles is probably noncontributing)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1902-03	-	-	-	7,340	17,900	35,700	6,970	4,360	3,830	4,820	11,700	1,300	-
1903-04	6,460	1,390	1,440	1,020	1,910	1,020	2,400	15,000	5,060	4,050	2,640	1,890	3,710
1904-05	1,930	2,420	1,140	2,590	6,740	13,400	17,700	55,800	17,100	18,700	5,290	3,170	12,200
1905-06	2,670	2,500	4,470	3,780	4,120	1,950	2,260	4,810	10,900	-	-	-	-
1930-31	-	-	-	-	-	-	-	-	-	a1,480	a839	676	-
1931-32	2,850	2,550	2,930	28,400	25.500	15,800	2,770	15,100	7,150	8,940	2,020	19,300	11,100
1932-33	2,650	1,150	1,720	4,590	4,870	7,060	3,690	6,230	5,550	646	2,490	1,920	3,540
1933-34	930	814	555	5,360	9,250	12,800	22,300	2,980	a603	a222	141	517	4,660
1934-35	610	2,604	3,738	3,376	7,986	3,209	3,508	53,820	23,790	6,756	2,488	9,436	10,130
1935-36	5,350	4,791	19,720	3,275	2,512	1,925	1,337	19,460	13,990	17,670	1,483	7,627	8,308
1936-37	23,470	7,834	12,760	13,830	6,855	9,477	3,995	1,760	4,456	1,881	839	2,019	7,467
Av...	5,213	2,895	5,386	7,356	8,764	10,230	6,693	17,930	9,243	6,516	2,995	4,786	7,639

Salt Fork of Brazos River near Aspermont

(Drainage area, 4,986 square miles, of which about 2,770 square miles is probably noncontributing)

1923-24	-	-	-	2.60	1.77	11.1	41.1	282	430	22.3	2.55	144	-
1924-25	20.1	0.12	0.42	3.24	.68	.08	1,010	215	75.7	86.2	-	-	-

Clear Fork of Brazos River at Nugent

(Drainage area, 2,220 square miles)

1923-24	-	-	-	-	-	23.9	119	446	31.9	9.28	5.45	227	-
1924-25	23.2	3.49	4.88	4.80	4.16	3.30	118	388	58.6	31.7	59.9	416	93.1
1925-26	140	29.0	12.0	11.2	8.13	46.4	214	74.7	636	155	15.6	80.4	118
1926-27	149	11.3	247	7.91	12.5	9.41	517	6.40	15.7	90.6	3.87	240	109
1927-28	16.8	5.39	6.32	15.4	3.98	3.68	4.39	2,000	343	575	453	18.2	291
1928-29	9.06	17.5	8.58	7.42	7.95	54.4	20.2	422	16.8	160	3.10	644	114
1929-30	177	9.68	11.6	10.9	10.4	14.1	38.1	725	306	46.6	34.0	269	139
1930-31	478	25.4	431	13.7	181	12.8	14.1	8.36	45.5	10.2	0	.39	102
1931-32	966	159	33.2	53.5	82.7	16.3	332	826	1,450	650	68.2	3,980	713

1932-33	136	56.6	244	a97.9	b64.0	a58.7	57.4	488	41.9	28.5	82.8	32.6	117
1933-34	78.2	69.1	49.2	27.4	13.5	58.5	54.4	b12.0	a12.4	2.71	5.54	3.71	32.3
1934-35	2.24	157	7.65	6.29	24.0	6.88	54.9	1,239	1,761	118	23.2	528	327
1935-36	47.0	31.5	22.2	18.3	16.4	14.5	133	295	20.2	44.2	1.22	1,120	146
1936-37	a124	b32.0	a24.6	19.7	17.4	19.0	12.3	a28.1	a84.0	11.3	94.4	19.1	40.7
Av...	180	46.7	84.8	22.6	34.3	24.4	121	497	344	138	60.7	541	180

Clear Fork of Brazos River at Fort Griffin

(Drainage area, 3,974 square miles)

1923-24	-	-	-	71.6	55.0	66.6	304	565	78.2	11.1	10.3	470	-
1924-25	17.6	8.54	12.6	12.9	6.62	4.58	251	603	100	35.0	142	1,110	191
1925-26	279	37.1	9.46	5.76	10.1	87.4	436	202	1,630	168	116	131	258
1926-27	248	7.09	418	10.9	64.5	51.7	548	9.57	60.3	121	14.6	196	146
1927-28	44.6	9.54	6.33	2.77	.43	0	9.87	2,630	476	761	652	19.8	389
1928-29	1.91	37.7	9.20	9.97	11.6	48.0	141	1,040	57.9	171	1.00	930	206
1929-30	171	21.5	4.20	3.40	3.88	6.14	355	1,590	a1,250	60.6	12.8	413	325
1930-31	1,050	25.5	a498	16.8	282	17.3	12.9	59.1	47.9	79.0	.18	0	175
1931-32	1,240	347	68.3	103	169	25.0	244	1,280	1,260	2,280	108	4,670	979
1932-33	209	110	685	180	87.2	78.6	91.7	920	53.2	43.1	73.8	73.3	220
1933-34	a110	67.6	22.6	72.9	19.0	121	152	13.6	3.00	.19	0	4.58	49.1
1934-35	0	194	2.75	1.04	31.0	40.4	51.3	2,579	2,992	305	23.1	758	581
1935-36	48.9	38.0	30.7	19.5	19.4	12.5	117	537	29.8	142	0	1,761	228
1936-37	338	40.5	34.0	25.0	20.4	32.2	13.8	65.2	178	6.72	209	14.4	82.1
Av...	289	72.6	139	38.3	55.7	42.2	195	864	587	299	97.3	754	295

Clear Fork of Brazos River at Crystal Falls

(Drainage area, 4,320 square miles)

1922-23	0	2.80	11.3	30.2	329	33.7	(f)	549	(f)	21.0	28.5	59.2	-
1923-24	2,550	1,020	392	95.6	a52.7	60.7	274	555	69.3	1.87	11.7	659	481
1924-25	24.9	1.93	5.34	924	.63	.04	270	903	88.9	25.2	140	1,310	231
1925-26	394	51.0	11.3	9.38	3.40	96.4	480	295	(f)	198	125	177	-
1926-27	271	5.93	632	22.6	62.4	92.3	1,070	8.06	115	407	15.1	208	243
1927-28	74.9	5.60	2.52	2.66	0	0	0	a3,200	566	875	774	25.9	466
1928-29	5.12	60.6	14.0	4.21	2.57	-	-	-	-	-	-	-	-
Av...	474	164	153	156	64.4	47.2	419	918	210	255	182	407	-

a Partly estimated.
b Estimated.
f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Brazos River Basin--Continued

Clear Fork of Brazos River near Crystal Falls

(Drainage area, 5,658 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1927-28	-	-	-	-	-	-	-	-	-	1,900	1,360	81.2	-
1928-29	6.63	62.9	32.3	21.2	12.3	87.5	193	1,520	98.8	228	1.55	1,150	286
1929-30	499	29.6	1.44	6.87	9.78	1.78	177	2,920	1,320	78.0	86.0	496	472
1930-31	2,920	65.4	873	35.7	447	53.6	48.1	249	153	171	.04	0	423
1931-32	2,840	393	968	142	502	38.7	228	2,070	1,480	2,890	136	5,430	1,430
1932-33	253	131	827	234	101	117	117	2,030	86.8	107	169	110	362
1933-34	147	76.3	42.0	92.7	38.1	389	215	16.6	1.76	0	0	33.2	88.1
1934-35	0	182	3.29	1.37	88.4	52.7	92.5	3,497	3,554	963	47.0	1,158	804
1935-36	77.7	56.1	35.7	a17.7	b13.0	a12.4	97.6	1,140	54.3	243	0	2,874	383
1936-37	728	49.5	40.6	26.7	24.1	62.2	18.4	66.8	196	92.0	217	a52.8	133
Av...	830	116	314	64.2	137	90.5	132	1,501	772	667	202	1,139	487

Clear Fork of Brazos River near Eliasville

(Drainage area, 5,740 square miles)

1915-16	-	-	3.75	2.49	1.40	1.82	472	565	154	73.9	4.14	0	-
1916-17	156	1.25	.71	0	0	0	0	96.6	40.5	7.16	10.1	40.1	29.7
1917-18	.42	0	0	0	0	0	726	1,110	835	63.6	.28	436	264
1918-19	1,570	297	486	284	76.8	666	870	2,310	744	1,280	750	69.1	793
1919-20	351	152	13.7	52.6	31.6	10.9	41.4	-	-	-	-	-	-
1924-25	22.3	1.60	5.76	6.77	1.68	.30	283	1,360	81.1	52.6	209	-	-
Av...	420	90.4	85.0	57.6	18.6	113	399	1,090	371	295	195	136	-

Paluxy Creek at Glen Rose

(Drainage area, 424 square miles)

1923-24	-	(f)	(f)	26.7	37.7	(f)	(f)	(f)	19.4	5.85	8.84	9.27	-
1924-25	3.45	43.9	8.79	9.97	9.28	8.76	10.6	36.5	8.18	1.05	5.17	6.07	12.6

Nolands River at Blum

(Drainage area, 275 square miles)

1923-24	-	-	-	-	-	-	-	-	-	-	0	b0.80	-
1924-25	a2.42	9.69	5.98	2.87	2.16	0.89	18.9	154	17.4	1.30	0	2.83	18.4

Aquilla Creek near Aquilla

(Drainage area, 309 square miles)

1924-25	-	-	(c)	(c)	0.42	0.65	(f)	(f)	b0	a0.11	(f)	-	-

North Bosque River near Clifton

(Drainage area, 974 square miles)

1923-24	b20.0	b40.0	328	121	117	700	449	153	32.6	9.26	2.92	4.57	165
1924-25	2.80	18.7	6.19	6.64	6.33	3.61	1.26	190	13.0	15.5	62.8	37.2	30.6
1925-26	180	99.7	2.58	35.1	6.56	79.9	471	247	158	103	6.75	30.6	118
1926-27	14.1	8.38	9.18	3.87	9.77	21.5	85.8	313	263	16.3	12.3	11.6	64.3
1927-28	151	1.61	28.9	6.49	72.0	9.22	254	212	603	32.9	124	6.90	125
1928-29	.23	1.43	39.0	13.8	40.2	39.7	471	396	39.8	1.53	0	718	146
1929-30	1.00	2.83	3.95	3.89	5.55	6.44	56.4	579	3.34	.29	15.4	17.9	58.7
1930-31	720	35.5	272	313	581	364	162	316	88.3	70.4	49.9	99.9	255
1931-32	109	9.02	33.9	787	1,510	470	272	677	157	173	11.8	279	370
1932-33	8.82	8.94	67.3	60.2	34.6	394	90.7	817	43.7	4.97	96.3	111	147
1933-34	36.8	48.9	121	100	139	289	658	138	10.1	1.41	4.38	13.1	129
1934-35	.14	26.9	2.22	19.0	117	13.9	65.6	2,035	466	109	15.9	371	272
1935-36	628	137	92.8	51.1	36.8	26.2	80.6	886	63.5	16.3	2,371	1,591	301
1936-37	544	173	447	228	143	319	109	140	510	136	14.1	103	240
Av...	173	43.7	104	125	201	196	230	507	175	49.3	29.9	242	173

a Partly estimated.
b Estimated.
c Record incomplete.
f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Brazos River Basin--Continued

South Bosque River near Speegleville

(Drainage area, 388 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	-	-	-	-	142	319	63.8	6.48	0.29	1.43	-
1924-25	1.34	2.07	2.87	2.78	1.66	0.89	.76	4.70	0	0	0	18.1	2.91
1925-26	111	157	25.1	172	93.6	542	972	337	94.5	153	7.81	5.07	223
1926-27	11.8	9.61	23.9	25.4	225	194	377	193	1,550	113	7.45	4.97	225
1927-28	184	18.3	13.8	10.7	162	96.2	104	35.8	345	12.5	3.81	.51	81.4
1928-29	.07	16.0	(d)	(d)	(c)	61.0	60.2	189	125	6.50	.30	39.4	-
1929-30	a.70	5.29	4.81	8.89	62.2	55.2	38.3	-	-	-	-	-	-

Deer Creek at Chilton

(Drainage area, 81.8 square miles)

1933-34	-	-	-	-	-	-	83.1	3.04	0	0	0	0	-
1934-35	0	56.4	1.33	0.46	47.3	5.72	19.4	244	196	11.5	.62	38.9	51.6
1935-36	10.6	13.2	239	15.3	8.62	4.58	21.2	69.6	7.44	56.3	.26	32.5	40.3

Leon River near Hamilton

(Drainage area, 1,895 square miles)

1924-25	-	-	-	-	9.29	4.34	28.1	353	28.4	9.56	17.7	24.2	-
1925-26	147	120	8.45	50.8	5.42	7.59	849	326	327	262	16.2	54.0	181
1926-27	26.6	6.30	22.1	8.06	28.1	54.9	116	229	183	41.3	5.23	1.03	60.3
1927-28	139	2.08	61.1	2.82	40.6	12.1	26.1	522	592	198	202	82.6	157
1928-29	2.41	7.66	152	199	62.1	97.5	431	358	178	2.81	0	213	142
1929-30	9.99	1.61	2.59	2.44	3.89	7.17	9.62	464	12.6	.50	.05	93.7	51.3
1930-31	702	19.0	155	89.6	287	138	51.8	470	277	50.0	1.65	1.12	187

Leon River near Belton

(Drainage area, 3,547 square miles)

1923-24	170	564	904	176	403	1,310	822	886	516	30.6	7.75	61.1	488
1924-25	8.95	15.2	28.7	32.5	23.7	10.0	5.18	455	12.0	6.48	18.9	173	66.3
1925-26	467	841	38.5	325	115	882	3,290	1,080	628	683	66.6	43.2	704
1926-27	91.4	30.1	74.5	57.6	708	415	942	638	1,640	178	26.5	18.0	396
1927-28	933	139	140	65.4	331	168	167	412	1,080	75.5	256	68.8	319
1928-29	7.06	7.15	93.3	183	64.8	231	584	1,200	488	21.5	3.20	568	288
1929-30	25.7	25.8	15.6	29.1	38.5	50.0	30.4	2,050	120	32.7	47.4	92.6	216
1930-31	2,000	160	852	808	1,460	877	517	886	652	232	57.6	73.2	712
1931-32	361	38.9	195	953	2,220	1,270	503	2,770	1,640	389	162	664	925
1932-33	52.3	34.4	73.6	311	167	343	512	1,420	352	152	32.0	46.3	293
1933-34	29.9	25.3	12.2	249	124	577	1,760	399	34.5	7.48	0	0	267
1934-35	0	317	20.9	93.5	390	83.6	223	4,013	2,031	287	89.7	2,213	813
1935-36	784	675	1,331	319	197	152	254	3,050	1,169	413	64.9	3,694	1,008
1936-37	2,853	1,154	2,588	1,529	957	1,254	561	213	1,123	878	75.8	118	1,114
Av...	556	288	455	295	514	544	726	1,391	820	242	64.9	560	544

Little River near Little River

(Drainage area, 5,253 square miles)

1923-24	-	693	1,770	618	b1,080	a2,020	987	1,900	1,140	139	67.4	a277	-
1924-25	65.0	60.8	71.8	65.0	57.5	48.2	84.2	662	37.3	21.3	22.4	278	123
1925-26	824	1,570	94.6	629	294	1,630	5,100	2,040	933	1,210	186	138	1,220
1926-27	356	114	183	162	1,790	1,110	1,660	1,060	2,270	454	93.6	65.8	766
1927-28	1,940	211	239	160	568	440	336	523	1,320	132	273	103	521
1928-29	28.7	31.1	141	220	112	276	643	-	-	-	-	-	-

Little River at Cameron

(Drainage area, 7,034 square miles)

1916-17	-	121	94.2	95.2	90.5	83.1	232	432	222	78.5	14.1	592	-
1917-18	19.7	58.4	30.6	38.1	83.7	37.2	2,750	472	807	41.5	8.32	86.3	366
1918-19	751	2,990	3,020	3,570	3,410	2,300	2,080	4,180	5,320	4,020	1,660	2,270	2,960
1919-20	7,060	5,650	3,800	8,130	3,550	1,990	1,260	3,710	2,010	1,120	3,170	2,820	3,700
1920-21	979	1,710	1,370	1,130	964	1,420	3,090	1,720	2,450	1,300	174	19,200	2,940
1921-22	587	a340	379	328	537	1,750	13,900	16,300	2,120	507	173	160	3,100

a Partly estimated. b Estimated. c Record incomplete. d No record.

Monthly and annual mean discharge, in second-feet, at stations in the Brazos River Basin--Continued

Little River at Cameron--Continued

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1922-23	127	204	150	126	360	649	4,120	1,600	891	a289	43.5	1,060	797
1923-24	481	1,220	5,160	1,600	3,110	3,530	3,020	2,790	2,210	363	177	461	2,010
1924-25	138	106	127	136	113	86.7	61.5	874	81.8	29.5	40.7	337	178
1925-26	2,310	3,070	272	2,010	689	3,560	10,400	4,460	1,620	1,710	349	220	2,560
1926-27	492	258	460	549	3,110	2,670	3,070	1,480	3,730	a641	177	98.4	1,380
1927-28	2,920	447	355	296	1,490	669	a463	685	1,650	a209	349	141	804
1928-29	49.8	40.9	194	287	217	550	2,380	9,630	2,630	a428	134	906	1,440
1929-30	138	492	127	252	458	417	170	9,920	628	189	177	285	1,120
1930-31	3,370	510	2,190	2,480	4,000	3,230	1,640	1,970	1,240	580	156	171	1,790
1931-32	384	107	217	2,280	3,450	a2,630	1,030	4,930	2,250	573	471	3,010	1,770
1932-33	214	140	235	1,100	617	1,110	836	1,850	814	239	442	204	652
1933-34	72.9	105	62.1	1,160	1,410	1,970	5,300	646	176	49.7	24.3	115	915
1934-35	15.7	1,148	156	185	1,330	251	470	10,680	7,900	1,025	347	4,885	2,361
1935-36	1,634	1,109	4,013	1,050	648	592	776	11,110	3,421	2,995	319	6,661	2,871
1936-37	5,845	2,973	5,739	4,750	2,835	3,525	1,438	611	1,915	1,412	207	303	2,639
Av...	1,379	1,086	1,341	1,502	1,546	1,572	2,785	4,288	2,086	848	410	2,095	1,818

Cowhouse Creek near Killeen

(Drainage area, 650 square miles)

1924-25	0.55	1.07	1.82	1.49	1.19	1.05	5.03	57.3	3.70	0	15.7	-	-

Lampasas River at Youngsport

(Drainage area, 1,242 square miles)

1923-24	-	-	-	-	-	371	227	411	157	187	7.23	124	-
1924-25	7.81	8.72	13.2	15.4	12.0	9.94	37.8	177	5.52	.75	5.65	45.9	28.5
1925-26	392	591	50.1	136	105	523	1,360	607	317	427	22.1	16.3	379
1926-27	137	29.9	84.3	28.5	601	450	409	166	445	169	12.7	19.1	209
1927-28	648	28.2	31.9	25.3	162	148	54.8	41.9	140	10.2	5.56	20.4	110
1928-29	8.75	19.8	26.0	27.3	15.4	58.2	117	266	118	28.2	1.96	514	99.8
1929-30	10.0	10.8	10.7	13.9	13.7	13.0	7.79	730	31.0	9.30	21.4	62.0	78.9

1930-31	593	53.6	274	379	738	756	581	200	295	112	32.4	65.9	338
1931-32	28.4	12.4	20.9	55.2	440	405	231	a1,150	178	62.1	b104	a428	259
1932-33	24.0	19.6	25.0	72.2	57.4	173	122	500	56.9	48.4	24.7	22.0	96.2
1933-34	27.1	16.7	9.92	76.3	33.8	110	453	48.6	31.3	6.51	0.24	89.0	74.7
1934-35	1.33	73.9	10.6	22.0	142	40.4	73.3	2,107	813	106	49.1	975	368
1935-36	184	114	405	140	83.1	60.8	362	a2,578	482	224	a44.1	a2,453	594
1936-37	762	743	a1,164	a902	a655	807	a336	a124	a225	b400	28.5	54.8	517
Av...	217	132	164	146	235	280	312	650	235	128	25.7	349	242

San Gabriel River at Georgetown

(Drainage area, 415 square miles)

1923-24	-	-	-	-	-	285	272	360	250	61.3	31.8	42.3	-
1924-25	25.2	13.3	14.5	12.7	9.39	5.70	12.8	113	7.17	4.44	29.8	-	-
1933-34	-	-	-	-	-	-	-	-	-	-	5.73	26.5	-
1934-35	4.33	a111	6.98	a6.82	32.5	9.44	51.7	525	663	85.1	22.4	508	168
1935-36	114	64.6	440	144	88.8	69.8	36.6	983	247	112	31.0	848	265
1936-37	254	229	479	425	265	326	142	55.6	32.8	189	15.2	10.5	202

Note.- Station located at site 1 mile upstream prior to Aug. 31, 1925. Records equivalent except for extreme low flow, as there is inflow from springs between the two sites.

San Gabriel River at Circleville

(Drainage area, 602 square miles)

1923-24	-	-	-	-	344	503	421	651	302	89.1	35.9	34.3	-
1924-25	17.4	22.7	23.1	24.5	17.4	15.6	25.3	167	4.23	3.59	37.6	71.2	36.0
1925-26	333	275	46.6	376	194	440	822	809	199	163	48.8	26.6	312
1926-27	102	34.8	60.2	63.4	509	375	523	156	300	42.7	11.5	9.12	179
1927-28	705	56.1	34.1	32.6	145	133	64.8	68.1	95.4	21.6	7.71	6.98	115
1928-29	6.33	10.3	17.0	17.3	16.6	40.1	150	1,310	194	70.4	23.8	12.6	157
1929-30	12.1	25.6	24.2	24.0	38.5	62.3	34.9	1,530	118	29.9	11.3	15.3	163
1930-31	340	78.8	109	399	621	386	222	131	55.3	43.6	13.6	10.2	199
1931-32	7.51	11.5	19.0	63.0	60.8	246	93.2	261	62.2	26.8	46.7	149	87.4
1932-33	17.0	14.1	20.9	79.1	67.2	87.3	47.4	55.5	8.74	115	13.3	12.6	44.9
1933-34	9.58	7.92	8.93	50.2	279	122	219	71.2	20.7	8.97	2.60	20.1	66.6
Av...	155	53.7	36.3	113	208	219	238	474	124	55.9	23.0	33.5	136

a Partly estimated. b Estimated.

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Monthly and annual mean discharge, in second-feet, at stations in the Brazos River Basin--Continued

Brushy Creek at Coupland

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	-	-	-	-	-	-	98.7	20.9	6.17	50.4	-
1924-25	6.68	6.54	6.77	7.15	5.37	4.53	3.72	a47.5	12.8	0	0	13.3	9.57
1925-26	141	121	14.4	96.8	25.8	(c)	(c)	78.3	44.6	29.0	-	-	-

Big Elm Creek near Temple
(Drainage area, 68.5 square miles)

1933-34	-	-	-	-	-	-	113	5.47	0.06	0	0	0	-
1934-35	0	107	.73	.71	35.0	4.70	17.1	195	267	11.1	1.09	73.7	59.0
1935-36	14.1	21.2	199	19.0	10.3	5.45	31.8	95.7	9.38	-	-	-	-

Big Elm Creek near Buckholts
(Drainage area, 166 square miles)

1933-34	-	-	-	-	-	-	221	6.98	.07	0	0	0	-
1934-35	0	103	2.74	1.72	74.8	9.00	33.6	393	422	19.1	1.70	115	97.3
1935-36	20.6	27.6	544	31.7	17.3	9.73	73.6	308	16.8	182	.52	46.1	108

North Elm Creek near Ben Arnold
(Drainage area, 30.3 square miles)

1934-35	0	1.27	1.55	0.24	27.8	1.40	0	106	48.3	0	0	5.31	16.6
1935-36	0	0	49.7	.29	.13	.13	12.1	65.9	.096	59.9	0	0	15.9

Yegua Creek near Somerville
(Drainage area, 990 square miles)

1923-24	-	-	-	-	-	-	-	-	339	2.86	0.14	0.01	-
1924-25	0	0.03	0.22	0.50	0.56	0.53	0.53	0.35	0	2.57	0	.20	0.46
1925-26	3,140	1,090	12.7	455	26.3	1,760	2,900	781	22.1	9.53	2.44	1.10	855
1926-27	73.8	201	828	63.9	322	489	1,020	25.4	137	242	b2.50	b.40	282
1927-28	4.23	2.58	4.15	13.0	303	41.7	29.4	3.72	14.3	.59	0	0	33.5
1928-29	0	6.91	354	31.6	4.88	57.4	844	2,430	1,100	144	1.56	0	418
1929-30	0	531	8.24	183	363	203	39.5	1,050	20.2	.35	0	10.8	200

1930-31	238	154	592	1,400	860	852	109	316	3.38	9.13	4.09	0	378
1931-32	4.78	.02	67.7	3,000	2,060	816	49.7	135	91.7	.85	.27	543	561
1932-33	47.8	.72	23.8	396	734	480	66.2	92.8	18.4	19.8	33.1	16.9	158
1933-34	0.95	0	0	738	1,120	1,210	1,240	16.7	7.1	0.53	0.27	0	355
1934-35	0	80.9	390	208	347	36.8	171	2,589	170	11.2	1.74	543	381
1935-36	31.8	30.2	431	32.4	44.4	35.8	25.0	2,818	209	1,954	10.2	33.9	478
1936-37	69.6	15.4	84.5	361	59.2	168	46.9	3.47	9.62	.03	0	0	68.8
Av...	278	163	215	529	480	473	503	789	153	171	3.95	82.1	321

Navasota River near Easterly

(Drainage area, 949 square miles)

1923-24	-	-	-	-	-	-	189	250	783	6.13	0	53.4	-
1924-25	a4.00	a28.7	b5.00	b9.42	b10.0	a10.4	9.43	0	0	12.8	3.19	202	24.3
1925-26	430	1,300	22.8	461	55.6	1,290	1,520	528	686	227	19.7	3.27	545
1926-27	140	128	655	1,100	850	484	564	354	840	32.6	2.74	2.71	427
1927-28	1,190	25.6	59.1	34.1	836	121	184	41.3	874	142	15.7	2.51	291
1928-29	4.31	46.0	873	415	170	240	473	3,190	1,520	53.0	a6.04	1.25	587
1929-30	12.8	438	30.6	123	222	294	59.2	3,270	28.2	4.07	.58	2.32	378
1930-31	255	69.1	1,040	534	1,700	313	278	592	12.6	14.8	5.65	.30	394
1931-32	.31	2.37	146	3,500	2,030	547	69.0	475	171	6.23	a.57	a3,220	841
1932-33	9.32	9.50	111	519	138	406	394	505	42.4	2.83	2.75	9.71	180
1933-34	3.15	3.35	8.00	225	127	1,240	1,470	287	2.72	0.55	0.27	1.34	281
1934-35	.58	146	194	98.9	1,296	213	1,304	3,524	512	40.0	12.0	208	625
1935-36	706	214	3,160	65.9	48.8	88.2	34.5	529	82.6	2,011	7.02	10.8	588
1936-37	268	96.1	808	1,282	261	1,314	106	25.1	121	3.32	.78	90.7	368
Av...	233	193	547	644	596	505	475	969	405	183	5.50	272	425

Brazos Valley Irrigation Co.'s canal near Fulshear

1931-32	0	0	0	0	0	0	a51.0	a102	a168	224	a127	29.3	58.8
1932-33	0	0	0	0	0	0	14.3	62.3	125	83.2	93.1	3.57	32.0
1933-34	0	0	0	0	0	0	0	49.4	195	137	109	24.7	43.1
1934-35	0	0	0	0	0	0	0	4.5	69.5	74.4	89.9	36.1	23.0
1935-36	0	0	0	0	0	0	26.2	a52.6	118	63.2	a89.6	a14.6	30.4
1936-37	0	0	0	0	0	0	0	113	113	158	140	73.4	50.3

a Partly estimated. b Estimated. c Record incomplete.

Monthly and annual mean discharge, in second-feet, at stations in the Brazos River Basin--Continued

Richmond Irrigation Co.'s canal near Richmond

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1931-32	7.46	0	0	0	0	0	0	61.2	205	183	124	a37.4	51.7
1932-33	0	0	0	0	0	0	0	a62.6	153	101	a112	25.9	38.1
1933-34	0	0	0	0	0	0	0	54.6	90.7	66.9	69.6	15.9	25.0
1934-35	0	0	0	0	0	0	24.4	17.4	a85.4	a88.6	84.9	0	25.2
1935-36	0	0	0	0	0	0	0	0	0	0	0	0	0
1936-37	0	0	0	0	0	0	5.3	62.7	111	99.7	84.5	19.4	32.1

COLORADO RIVER BASIN

Colorado River at Colorado

(Drainage area, 4,275 square miles, of which about 2,440 square miles is probably noncontributing)

1923-24	-	-	13.7	3.45	0.28	0.35	56.2	152	56.8	14.4	46.1	39.5	-
1924-25	15.4	0.09	.28	1.19	1.14	.09	190	217	60.1	25.0	390	-	-

Colorado River near Robert Lee

(Drainage area, 15,860 square miles, of which about 11,500 square miles is probably noncontributing)

1923-24	-	334	36.3	7.04	3.99	3.37	189	430	105	0.01	59.6	257	-
1924-25	275	.99	3.92	.38	.51	.10	890	1,020	268	42.1	467	2,010	414
1925-26	263	17.6	4.99	6.46	2.44	118	815	383	807	171	921	1,920	451
1926-27	651	23.7	110	16.6	18.0	6.98	155	9.25	119	260	89.1	412	157
1927-28	94.6	1.53	1.52	-	-	-	-		-	-	-	-	-

Colorado River near Bronte

(Drainage area, 15,940 square miles, of which about 11,500 square miles is probably noncontributing)

1915-16	132	6.87	4.43	2.49	1.70	0.57	151	20.0	3.02	0.89	57.7	88.2	39.0
1916-17	236	23.2	3.34	1.96	.70	.40	13.6	21.1	70.3	35.0	39.5	218	55.4
1917-18	0	.10	.10	.10	.10	.34	.10	82.0	243	537	.05	119	37.3

Colorado River at Ballinger.

(Drainage area, 16,840 square miles, of which about 11,500 square miles is probably noncontributing)

1906-7	-	-	-	-	-	-	-	-	466	638	250	157	-
1907-8	1,280	819	61.7	8.41	0.17	18.7	1,520	1,190	28.7	704	48.8	211	492
1908-9	26.8	17.8	20.5	3.03	2.50	0	0	381	366	33.7	107	198	96.7
1909-10	212	232	616	25.9	25.0	6.66	65.7	222	40.9	158	33.0	598	195
1910-11	205	51.9	75.4	45.7	1,970	79.0	143	159	31.8	1,000	646	527	401
1911-12	61.0	14.4	906	31.2	184	60.8	84.3	837	596	133	252	76.2	271
1912-13	716	53.7	51.4	10.9	18	48.0	571	1,840	969	1,780	165	1,550	651
1913-14	1,940	2,160	2,770	28.6	4.85	3.06	489	2,770	961	169	1,630	75.4	1,090
1914-15	494	205	72.5	71.2	30.2	39.0	1,920	372	286	71	728	870	429
1915-16	197	31.5	19.1	12.0	10.0	2.87	213	77.5	9.19	.19	7.13	331	75.4
1916-17	283	13.5	4.75	3.83	4.45	22.4	74.3	130	202	32.1	33.5	319	93.6
1917-18	.18	1.23	.36	.83	.38	.70	0	224	765	1.10	42.9	354	115
1918-19	2,380	295	62.5	14.5	5.71	1,100	645	730	3,280	2,170	983	1,020	1,060
1919-20	j1,960	198	51.6	50.1	39.2	19.3	6.64	1,330	184	11.1	3,380	992	693
1920-21	179	129	29.6	29.9	18.1	31.1	24.5	64.8	959	6.44	0	76.4	128
1921-22	0	0	b1.0	b.5	b.5	45.8	3,950	3,490	956	120	9.03	10.6	716
1922-23	2.0	78.2	10.5	69.9	49.4	15.6	2,700	409	423	178	104	223	352
1923-24	607	473	66.8	29.0	21.7	19.9	463	1,080	150	1.01	70.8	274	272
1924-25	382	5.89	30.0	4.14	5.55	4.64	1,180	1,120	556	55.4	529	1,730	466
1925-26	284	27.1	10.5	13.3	5.79	671	1,140	337	954	192	739	2,060	535
1926-27	838	44.0	349	27.7	58.0	68.9	282	78.1	159	369	165	617	256
1927-28	195	5.08	4.62	10.6	6.14	4.53	12.1	2,670	430	3,020	660	171	606
1928-29	11.9	68.3	15.4	13.1	13.4	171	65.8	1,790	90.2	221	4.05	652	262
1929-30	507	14.1	7.05	a3.47	4.95	31.0	344	1,740	2,100	24.7	224	7.42	419
1930-31	a1,020	50.3	508	17.6	201	32.1	33.7	50.9	20.8	56.3	18.1	35.6	172
1931-32	a1,340	433	a44.2	44.0	174	33.6	633	2,400	1,430	458	a564	a4,120	969
1932-33	188	69.8	253	99.2	53.7	70.2	25.9	237	18.5	47.8	365	141	132
1933-34	240	91.3	16.8	15.9	8.18	59.1	280	83.0	43.6	9.03	53.9	61.9	80.4
1934-35	3.66	224	6.51	.85	291	18.1	521	3,873	a3,226	1,101	314	3,448	1,084
1935-36	89.9	74.0	52.3	a18.8	a13.5	124	20.6	345	97.2	86.6	3.33	6,806	636
1936-37	351	98.0	70.8	49.4	40.1	46.8	29.9	248	475	61.9	423	102	167
Av...	533	199	206	25.1	109	94.9	581	1,009	676	430	418	927	431

Note.- Records prior to December 1915 not previously published, and are based on gage-height record obtained by the U. S. Weather Bureau.

a Partly estimated. b Estimated. j Supersedes figure published in Water-Supply Paper 508.

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

Colorado River near Milburn

(Drainage area, 24,600 square miles, of which about 11,800 square miles is probably noncontributing)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	476	181	143	250	1,110	2,440	440	8.69	12.5	469	-
1924-25	589	45.0	181	59.0	43.4	18.3	2,180	2,600	2,220	151	808	2,320	933
1925-26	579	98.5	74.9	227	59.1	1,290	2,470	733	1,670	370	798	2,460	901
1926-27	1,600	90.1	1,040	118	221	372	777	308	399	946	152	663	561
1927-28	1,910	35.0	42.2	68.1	68.1	37.8	175	3,470	1,630	3,220	1,310	626	1,060
1928-29	58.9	131	b76	b60	a80.1	254	668	3,420	a112	432	5.61	900	521
1929-30	977	173	61.1	a40.6	44.1	75.4	154	4,310	3,390	73.5	301	101	813
1930-31	9,880	226	844	a268	599	272	204	171	447	76.1	40.9	48.5	1,100
1931-32	1,920	533	104	241	342	100	602	6,430	2,010	2,970	460	6,020	1,810
1932-33	463	266	439	352	203	195	97.6	1,320	81.4	33.8	349	225	338
1933-34	219	100	42.2	53.4	65.5	171	1,830	406	39.2	42.0	170	66.3	266
Av...	1,820	170	307	152	170	276	933	2,328	1,131	757	401	1,264	830

Colorado River near San Saba

(Drainage area, 30,600 square miles, of which about 11,800 square miles is probably noncontributing)

1915-16	-	240	387	362	210	123	1,100	1,340	184	42.8	39.9	517	-
1916-17	901	169	119	107	112	244	196	919	681	96.9	102	1,550	434
1917-18	41.5	56.2	65.8	52.3	38.6	29.0	1,430	1,060	2,020	31.0	34.5	918	478
1918-19	5,090	6,950	1,430	2,180	724	2,730	1,630	3,190	8,350	5,550	2,870	5,470	3,850
1919-20	(d)	(d)	(c)	1,240	648	(c)	326	4,340	685	298	3,140	3,380	-
1920-21	404	715	316	227	241	381	200	210	3,080	88.7	49.0	159	502
1921-22	87.9	52.3	66.4	70.0	70.2	471	18,200	19,400	2,100	1,190	137	107	3,510
1922-23	109	-	-	-	-	-	-	-	-	-	-	-	-
1929-30	-	-	-	-	-	-	-	-	-	-	-	404	
1930-31	a15,300	a522	1,220	600	a1,340	576	313	555	1,520	277	139	190	1,900
1931-32	3,340	644	380	1,090	1,660	610	741	8,490	3,160	7,840	814	7,920	3,070
1932-33	818	486	732	751	350	366	384	2,800	235	135	343	416	657
1933-34	307	166	116	205	248	594	4,320	594	241	1,210	245	139	697
1934-35	43.8	544	106	228	1,329	196	1,744	12,640	10,940	2,360	954	11,550	3,542
1935-36	1,405	685	532	294	201	312	162	1,883	702	1,087	142	30,680	3,136

1936-37	8,519	1,525	1,391	918	750	666	465	724	3,639	344	501	291	1,654
Av...	2,797	981	528	595	566	561	2,229	4,153	2,681	1,468	679	4,246	1,952

Note.- Records November 1915 to October 1922 obtained at site 1.6 miles upstream and were formerly published as Colorado River near Chadwick.

Colorado River near Tow

(Drainage area, 31,120 square miles, of which about 11,800 square miles is probably noncontributing)

1923-24	b1,290	2,470	1,610	569	492	1,120	1,570	3,890	1,370	114	86.6	875	1,290
1924-25	608	141	250	148	125	90.9	1,860	3,480	2,520	279	a1,070	2,640	1,100
1925-26	2,060	938	261	666	a291	a1,440	4,130	1,850	2,190	995	761	a2,670	1,520
1926-27	1,990	212	930	299	1,010	982	1,630	852	1,450	1,040	277	790	954
1927-28	a3,070	a258	225	185	277	195	355	a4,040	2,670	2,820	a2,170	1,180	1,460
1928-29	310	276	275	247	182	579	1,030	5,240	a1,110	366	76.8	a1,860	968
1929-30	a1,530	183	139	122	113	159	a94.6	6,610	3,920	122	221	475	1,150
1930-31	14,900	581	1,550	711	1,590	781	371	676	a1,660	a326	a172	228	1,970
1931-32	3,310	669	380	1,150	1,840	847	821	9,050	3,370	a7,970	854	8,030	3,200
1932-33	881	521	728	901	389	425	498	2,980	a362	a143	292	464	721
1933-34	313	171	125	226	273	648	4,460	662	191	1,240	240	162	723
1934-35	48.8	587	-	-	-	-	-	-	-	-	-	-	-
Av...	2,526	584	588	475	598	661	1,529	3,575	1,892	1,401	565	1,761	1,369

Colorado River at Marble Falls

(Drainage area, 36.120 square miles, of which about 11,800 square miles is probably noncontributing)

1916-17	1,590	159	189	182	192	298	274	1,180	1,090	103	68.4	1,730	588
1917-18	75.4	159	147	122	138	115	3,320	1,340	2,910	46.0	39.1	842	766
1918-19	6,960	9,470	4,110	5,110	2,110	4,610	2,460	7,270	13,000	8,210	4,150	10,900	6,540
1919-20	11,400	5,360	2,560	4,670	2,180	1,310	732	6,980	1,190	501	5,350	5,310	3,980
1920-21	855	1,080	666	567	482	791	627	465	3,730	202	52.5	453	826
1921-22	152	103	179	182	192	728	18,300	27,500	(c)	(c)	269	211	-
1922-23	200	(f)	308	324	1,010	1,020	(f)	(f)	(f)	(f)	(f)	(f)	-
1923-24	(f)	(f)	(f)	1,430	1,340	(f)	(f)	(f)	(f)	253	147	1,210	-
1924-25	915	309	494	383	328	241	(f)	(f)	(f)	432	(f)	(f)	-
1925-26	(f)	(f)	557	1,240	621	(f)	(f)	(f)	(f)	(f)	(f)	-	-

a Partly estimated.
b Estimated.
c Record incomplete.
d No record.
f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

Colorado River at Austin

(Drainage area, 38,150 square miles, of which about 11,800 square miles is probably noncontributing)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1897-98	-	-	-	-	-	367	1,590	2,110	7,350	996	636	1,190	-
1898-99	422	330	332	332	311	253	675	3,530	13,800	2,140	552	320	1,910
1899-1900	512	2,160	2,930	1,510	848	1,250	21,800	10,100	3,250	4,860	3,480	14,600	5,600
1900-1	5,930	4,410	2,160	1,740	1,440	949	844	1,470	891	2,760	513	2,930	2,170
1901-2	431	1,040	454	423	445	797	1,870	3,200	918	7,330	2,910	1,630	1,800
1902-3	1,090	5,890	1,410	1,040	4,890	4,750	1,980	2,360	2,400	1,410	768	715	2,370
1903-4	4,530	423	345	352	614	367	666	3,180	6,440	2,520	1,050	2,930	1,950
1904-5	1,430	540	397	337	366	1,560	6,670	8,360	1,350	1,970	746	408	2,020
1905-6	546	381	222	177	191	204	692	1,060	3,270	5,750	12,300	8,830	2,820
1906-7	335	268	698	217	225	203	145	3,400	3,100	4,680	266	156	1,150
1907-8	3,480	3,920	949	515	885	589	11,600	11,600	2,070	2,030	1,580	1,610	3,400
1908-9	1,190	367	566	350	251	188	349	3,180	4,520	3,350	1,270	1,160	1,400
1909-10	2,610	768	2,120	298	417	263	3,840	2,090	238	444	130	1,770	1,250
1910-11	488	195	242	283	3,800	761	4,120	2,120	394	2,190	1,690	5,440	1,790
1911-12	549	245	1,600	594	701	999	1,040	1,490	1,560	343	793	592	877
1912-13	1,370	398	630	568	577	480	812	5,410	2,930	2,130	676	2,140	1,520
1913-14	7,070	9,440	23,800	2,040	1,160	1,160	3,060	18,400	11,300	1,730	8,380	2,140	7,530
1914-15	1,920	1,950	1,730	1,390	944	1,630	10,300	5,430	678	986	966	8,230	3,010
1915-16	1,420	617	1,160	767	660	350	3,510	3,990	571	701	416	264	1,200
1916-17	1,020	301	306	273	302	323	277	1,180	1,210	390	70.3	1,420	590
1917-18	148	159	209	565	193	143	3,220	1,420	2,950	520	131	775	865
1918-19	1,280	11,100	5,200	5,450	3,010	4,960	3,120	7,310	13,100	9,680	4,760	9,380	6,950
1919-20	14,200	7,050	3,410	5,460	3,340	2,120	1,190	6,450	1,600	806	6,720	5,260	4,820
1920-21	944	1,280	845	684	608	990	1,870	964	5,090	387	89.2	3,410	1,420
1921-22	416	214	268	254	261	358	19,500	30,700	3,380	1,720	380	274	4,840
1922-23	228	1,820	a358	341	995	1,180	9,850	a4,710	a1,680	1,070	a344	4,010	2,200
1923-24	3,710	8,320	5,280	2,050	2,190	2,920	3,180	5,410	4,040	444	228	1,470	3,260
1924-25	910	a393	519	441	401	280	836	6,150	3,550	a836	911	2,750	1,500
1925-26	4,680	3,570	625	1,430	723	3,100	8,130	4,160	2,820	1,790	991	2,700	2,900

1926-27	2,630	845	1,400	681	4,270	1,730	4,040	1,570	3,140	1,380	411	361	1,850
1927-28	6,470	928	449	408	682	493	563	4,900	4,510	2,060	3,960	1,190	2,230
1928-29	740	402	477	484	310	829	1,340	10,500	3,380	1,010	150	a2,540	1,860
1929-30	1,750	479	273	299	324	326	218	9,440	5,160	266	197	817	1,640
1930-31	20,100	1,200	2,280	2,270	4,710	2,760	a1,400	a2,280	2,030	942	374	270	3,400
1931-32	3,300	1,140	855	1,780	2,750	2,450	890	10.000	3,630	11,500	1,220	13,600	4,430
1932-33	1,780	848	1,040	1,680	761	984	762	4,640	889	256	334	686	1,230
1933-34	400	264	258	742	875	1,210	6,360	1,010	259	1,230	186	241	1,080
1934-35	57.5	654	269	331	1,688	364	1,797	20,330	31,940	3,449	1,536	18,970	6,752
1935-36	2,495	1,392	2,043	838	635	728	356	7,933	2,013	4,908	744	42,630	5,521
1936-37	14,780	3,911	3,707	2,665	2,041	3,077	1,471	969	1,220	1,102	505	285	3,000
Av...	3,009	2,041	1,841	1,078	1,277	1,211	3,648	5,863	4,116	2,352	1,584	4,252	2,721

Colorado River at Smithville

(Drainage area, 39,650 square miles, of which about 11,800 square miles is probably noncontributing)

1929-30	-	-	-	-	-	-	-	-	-	-	240	746	-
1930-31	20,400	1,580	2,860	3,370	6,070	3,890	2,070	3,140	2,190	1,220	535	386	3,980
1931-32	2,800	1,270	899	3,090	3,180	3,110	1,080	9,700	3,730	11,700	1,370	14,400	4,690
1932-33	2,110	1,100	1,080	2,260	1,090	1,410	945	4,070	1,190	852	570	750	1,460
1933-34	445	342	299	1,730	1,460	1,660	7,220	1,350	391	1,260	332	337	1,390
1934-35	117	754	720	496	2,151	461	1,563	20,390	31,510	3,975	1,962	17,590	6,780
1935-36	2,812	1,662	2,171	1,047	805	928	505	7,474	2,458	7,518	734	38,090	5,487
1936-37	17,420	4,490	3,949	3,093	2,228	3,646	1,719	1,131	2,242	1,117	617	365	3,526

a Partly estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

Colorado River at Columbus

(Drainage area, 40,840 square miles, of which about 11,800 square miles is probably noncontributing)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1903-4	-	-	-	699	840	587	1,050	5,570	5,630	2,490	1,960	2,700	-
1904-5	2,100	1,400	1,660	870	1,400	4,120	6,770	11,800	4,200	3,300	2,170	1,370	3,450
1905-6	1,620	1,610	1,340	1,180	1,890	1,300	1,220	1,570	3,780	3,080	9,640	4,430	2,720
1906-7	1,800	1,400	1,420	1,190	1,260	1,130	951	5,630	5,470	4,210	1,260	514	2,200
1907-8	4,010	8,960	2,720	1,060	2,830	1,200	9,190	12,500	4,060	2,520	1,920	1,780	4,390
1908-9	1,410	1,120	1,120	924	666	544	656	2,050	3,620	2,560	1,620	1,050	1,450
1909-10	2,020	1,950	2,570	931	682	355	3,680	2,750	906	687	183	1,710	1,540
1910-11	954	579	1,050	575	2,440	1,820	4,250	4,170	856	1,800	1,810	4,770	2,080
1911-12	1,030	704	2,420	-	-	-	-	-	-	-	-	-	-
1915-16	-	-	-	-	-	-	-	-	981	996	697	433	-
1916-17	837	508	389	363	372	379	422	1,300	1,160	614	128	1,360	653
1917-18	235	197	218	513	386	276	4,100	2,410	2,750	670	151	667	1,040
1918-19	5,270	12,900	5,920	6,780	4,030	4,600	4,170	11,200	20,600	16,400	5,750	12,600	9,200
1919-20	20,700	7,140	4,280	10,900	4,320	2,180	1,390	8,030	2,320	1,230	6,030	6,160	6,250
1920-21	1,500	1,680	1,440	1,020	917	3,560	6,340	1,750	8,560	1,120	302	6,450	2,870
1921-22	1,010	455	576	649	788	1,930	17,300	36,100	4,530	a1,880	a827	492	5,590
1922-23	399	1,660	487	389	1,980	3,400	8,070	7,120	2,180	1,310	622	4,190	2,640
1923-24	2,560	10,300	10,800	3,560	6,630	4,760	4,950	7,380	6,600	871	337	1,540	5,000
1924-25	1,270	606	751	670	635	414	308	5,340	4,010	793	635	1,810	1,440
1925-26	11,400	5,050	1,010	2,870	1,150	5,040	16,400	7,440	3,410	2,340	1,180	3,200	5,050
1926-27	2,730	1,740	2,910	985	4.190	2,770	6,050	2,120	3,840	1,980	704	453	2,520
1927-28	5,330	1,180	729	653	1,390	969	a726	3,520	a3,890	806	4,500	1,270	2,080
1928-29	a926	534	971	919	473	1,280	3,950	11,100	10,900	1,580	530	2,290	2,960
1929-30	a1,520	a2,990	600	1,150	870	672	424	8,860	4,580	724	313	845	1,970
1930-31	18,900	-	-	-	-	-	-	-	-	-	-	-	-
Av...	3,890	2,940	2,060	1,770	1,820	1,970	4,650	7,260	4,730	2,350	1,880	2,700	3,200

Note.- Some of the figures of monthly discharge for the water years 1904-5 to 1907-8 and the annual figures for each year except 1910-11 differ slightly from the figures previously published because they were recomputed on basis of computation rules now in use; daily figures were not changed.

Colorado River near Eagle Lake

(Drainage area, 40,940 square miles, of which about 11,800 square miles is probably noncontributing)

1929-30	-	-	-	-	-	-	-	-	-	-	-	-	-
1930-31	20,300	2,830	4,450	5,130	6,890	5,520	1,830	a3,920	a2,230	1,320	675	463	4,640
1931-32	2,490	1,510	1,240	6,500	4,980	3,900	a1,050	9,000	a3,840	10,800	1,630	14,000	5,090
1932-33	a2,670	a1,100	a960	2,430	a1,520	2,310	a1,160	a4,040	1,730	a569	a991	771	1,690
1933-34	445	427	355	1,830	2,280	3,260	8,120	1,380	574	1,070	502	347	1,700
1934-35	204	797	1,496	682	2,604	593	1,794	23,700	30,060	a4,026	2,266	a16,620	7,050
1935-36	a3,529	2,134	3,677	1,286	975	1,048	685	13,610	3,780	11,980	1,191	32,690	6,373
1936-37	25,310	4,786	3,927	3,309	2,502	3,804	1,906	1,257	2,270	1,191	756	498	4,329

Note.- Records of discharge include flow diverted by Lakeside Irrigation Co.'s canal.

Colorado River at Wharton

(Drainage area, 41,150 square miles, of which about 11,800 square miles is probably noncontributing)

1918-19	-	-	-	-	-	-	4,670	10,600	18,400	15,500	6,020	11,100	-
1919-20	19,100	7,830	4,440	11,300	5,120	2,590	1,830	8,360	2,440	1,230	a5,880	6,580	6,420
1920-21	1,620	1,720	1,610	1,080	1,020	a3,340	6,530	1,800	8,220	1,650	301	5,280	2,830
1921-22	1,110	614	737	873	883	2,210	13,100	(f)	4,840	2,160	718	573	-
1922-23	a445	1,660	790	505	1,830	3,440	7,940	6,550	a2,350	1,520	429	a4,590	2,660
1923-24	2,830	9,600	11,100	3,880	6,770	5,120	5,120	7,050	6,880	1,020	414	1,410	5,080
1924-25	1,140	601	a689	653	595	502	365	5,160	3,970	717	a495	2,020	1,410

Deep Creek near Snyder

(Drainage area, 120 square miles)

1923-24	-	-	0.44	0.36	0.13	0.14	14.5	14.1	0.55	0.26	0	0	-
1924-25	0.01	0.07	.17	.09	.03	.02	35.1	11.7	0	0	2.5	-	-

a Partly estimated.

f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

Elm Creek at Ballinger

(Drainage area, 458 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1931-32	-	-	-	-	-	-	-	492	365	623	13.0	318	-
1932-33	4.97	6.60	28.9	13.1	6.18	5.05	1.38	189	2.54	0	0	.12	21.8
1933-34	0	1.06	0	0	0	2.88	120	1.71	0	0	13.3	10.8	14.4
1934-35	0	0	0	0	84.0	0	290	812	562	92.9	10.9	a1,155	249
1935-36	11.2	3.74	2.71	.51	a.48	a.33	a2.63	38.5	.22	38.4	0	40.1	41.2
1936-37	31.1	5.85	6.34	4.50	3.52	7.77	1.15	.01	84.0	8.98	a43.9	a1.23	16.6

South Concho River at Christoval

(Drainage area, 434 square miles)

1929-30	-	-	-	-	-	5.30	24.1	9.42	165	7.31	4.75	4.07	-
1930-31	851	56.5	42.4	39.7	76.8	42.2	29.1	23.2	17.1	19.9	22.5	10.3	104
1931-32	9.94	9.98	12.7	18.9	14.6	16.0	12.0	66.6	25.5	83.8	16.0	55.2	28.5
1932-33	46.1	42.1	34.7	32.0	30.0	27.8	18.8	17.8	11.3	9.63	10.0	8.00	24.0
1933-34	7.71	10.7	7.87	8.50	10.9	12.4	31.3	9.49	3.10	2.33	29.8	5.64	11.6
1934-35	4.64	5.91	4.90	4.36	9.68	5.63	9.46	126	93.2	8.57	21.6	157	37.5
1935-36	31.2	a23.0	19.6	19.4	19.0	18.0	15.5	8.36	4.92	6.64	3.58	2,352	207
1936-37	52.3	33.1	33.4	36.6	32.9	31.6	23.0	93.9	16.1	14.5	11.5	15.8	33.0

South Concho River at San Angelo

(Drainage area, 2,687 square miles, of which about 152 square miles is probably noncontributing)

1931-32	0.23	1.09	a4.58	39.0	40.4	26.4	71.6	a1,270	122	a481	14.9	410	208
1932-33	137	121	120	121	98.2	64.6	31.1	43.3	6.64	13.3	.02	0	63.0
1933-34	4.39	8.98	9.26	15.0	29.9	29.3	117	11.8	4.99	25.5	5.44	.37	21.6
1934-35	0	1.03	17.9	2.56	73.3	4.46	29.2	866	468	90.9	.37	418	164
1935-36	56.4	78.1	45.0	36.6	12.4	27.1	10.5	153	7.52	11.5	23.8	7,323	639
1936-37	241	78.9	131	97.9	91.7	70.4	32.9	229	231	1.59	5.15	6.21	102

Concho River near San Angelo

(Drainage area, 4,492 square miles, of which about 275 square miles is probably noncontributing)

1914-15	-	-	-	-	-	-	-	-			-	318	-
1915-16	106	72.9	85.5	88.6	67.2	40.1	121	41.6	7.02	4.46	4.15	139	64.5
1916-17	43.9	29.4	36.0	45.0	39.1	35.8	66.3	15.3	26.1	3.64	2.13	55.4	33.0
1917-18	2.70	3.28	1.90	6.31	9.23	5.93	3.03	346	169	4.55	.54	3.55	46.6
1918-19	728	69.2	a28.2	a43.8	a27.8	342	166	188	1,140	a627	122	173	306
1919-20	a988	a99.8	82.2	90.3	89.6	49.5	24.5	15.3	119	4.86	153	a76.0	150
1920-21	45.9	56.4	45.4	42.3	23.1	39.9	18.9	13.6	81.5	3.07	28.2	11.8	34.2
1921-22	1.73	1.37	a1.14	2.06	3.39	1.79	a3,950	a1,390	137	a491	2.07	1.82	497
1922-23	1.40	a10.1	a21.6	34.5	a73.9	68.3	120	39.4	4.35	15.3	66.4	264	58.7
1923-24	229	165	96.5	82.5	76.1	89.6	523	a453	105	3.82	23.3	96.3	162
1924-25	77.3	39.8	67.3	49.4	40.1	17.6	468	1,420	222	45.9	151	151	231
1925-26	74.5	63.8	60.2	70.0	52.1	537	1,010	a208	a87.0	18.2	a69.4	a48.5	191
1926-27	81.0	38.1	141	67.7	84.4	a74.4	a72.6	b39.3	a14.3	31.9	2.75	93.6	61.6
1927-28	a458	21.7	38.5	42.9	27.3	20.4	17.9	128	179	331	83.0	a25.5	115
1928-29	34.2	a47.5	a48.5	38.7	31.9	95.3	153	151	11.8	2.31	a1.75	a79.1	58.0
1929-30	299	28.3	23.9	28.0	20.9	a10.5	a33.1	211	498	2.97	1.86	1.53	96.8
1930-31	1,570	104	113	62.7	a143	b50.0	70.2	49.2	19.1	44.0	14.7	9.90	189
1931-32	47.3	13.9	8.29	44.3	54.9	30.2	118	2,420	269	a446	a42.5	653	347
1932-33	153	137	146	128	107	79.5	38.6	47.3	7.47	15.8	1.66	.77	71.8
1933-34	5.16	8.73	7.92	13.4	30.2	32.4	130	14.7	11.0	25.8	183	10.1	39.4
1934-35	1.16	107	21.2	2.90	175	7.84	76.0	1,722	503	212	10.6	479	277
1935-36	69.4	90.4	60.1	49.6	21.9	42.0	18.0	177	15.0	23.6	31.2	a13,990	1,197
1936-37	316	113	164	126	123	100	70.9	247	512	13.7	7.96	12.3	150
Av...	242	60.0	59.0	52.7	60.1	80.5	330	424	188	108	45.6	726	199

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

Concho River near Paint Rock

(Drainage area, 5,532 square miles at site used until Sept. 30, 1936, and 5,538 square miles at site used thereafter, of which 275 square miles is probably noncontributing)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1915-16	121	82.4	96.6	83.3	65.7	28.2	117	33.0	5.22	0.04	0	177	67.2
1916-17	60.6	22.1	28.2	35.1	26.4	16.9	262	48.4	52.2	.07	22.4	117	57.3
1917-18	.30	.11	.05	.02	.03	.52	.31	371	292	3.53	.25	6.84	56.5
1918-19	1,010	381	31.0	78.9	39.9	516	486	757	1,900	614	123	239	516
1919-20	1,540	139	99.0	102	93.2	53.3	15.2	12.2	148	10.7	207	78.9	210
1920-21	47.1	60.2	47.2	43.0	30.0	42.1	25.2	14.7	117	3.82	2.01	52.2	40.2
1921-22	.21	.32	.80	1.45	7.22	.88	3,870	1,690	137	553	.66	.49	521
1922-23	.26	50.1	27.2	29.2	73.5	64.5	163	a51.0	5.73	a5.22	43.2	27.9	65.2
1923-24	205	159	a99.4	91.0	80.6	88.5	459	513	122	.92	12.8	132	164
1924-25	164	39.5	110	48.6	38.9	8.50	1,120	2,130	342	48.5	165	202	370
1925-26	80.1	67.0	61.2	72.7	52.4	634	1,160	242	123	16.4	62.4	77.6	221
1926-27	142	35.1	170	69.1	96.2	104	79.9	98.5	32.8	15.6	1.16	107	79.3
1927-28	710	26.5	40.1	48.1	30.7	26.3	15.0	255	492	423	87.7	a77.5	187
1928-29	38.4	53.3	53.1	39.0	a35.6	103	260	223	a16.9	a.51	0	152	81.2
1929-30	a328	26.5	21.2	a27.8	19.9	10.1	49.7	454	880	2.42	.66	21.5	154
1930-31	a3,810	132	a126	a75.6	189	74.3	76.9	52.2	31.3	59.2	a23.8	6.12	393
1931-32	47.9	15.7	10.9	47.0	55.7	37.1	128	2,670	315	522	24.3	a1,130	419
1932-33	a156	139	157	140	111	95.5	44.5	125	9.32	.84	1.80	.13	81.6
1933-34	1.98	9.00	9.28	15.3	40.5	40.3	456	28.9	6.40	0	160	a9.10	64.3
1934-35	0	a151	a24.8	a5.17	a227	a11.1	307	2,427	676	284	15.3	1,119	438
1935-36	a73.6	a74.7	81.8	56.6	28.9	45.7	11.6	211	30.7	71.9	7.24	17,220	1,470
1936-37	523	185	207	183	163	135	90.8	249	698	42.5	21.6	24.5	210
Av...	412	84.0	68.3	58.7	68.4	97.1	418	575	292	122	44.6	954	267

Middle Concho River near Tankersly

(Drainage area, 1,280 square miles, of which about 152 square miles is probably noncontributing)

1929-30	-	-	-	-	-	0	3.56	17.7	0.39	0	0	0	-
1930-31	215	0.78	4.43	0.25	0.17	0	9.98	.33	0	4.98	0	0	20.0

1931-32	0	0	0	0	0	0	13.4	765	52.7	116	2.95	197	96.4
1932-33	23.5	16.0	22.3	22.7	20.2	17.4	12.1	6.45	.31	0	0	0	11.7
1933-34	0	0	0	0	0	0	2.45	0	2.58	0	30.3	0	2.99
1934-35	0	31.6	0	0	95.7	0	42.6	341	156	36.8	7.97	23.9	61.0
1935-36	0	0	.006	.75	.39	.003	0	178	5.65	1.85	0	2,195	196
1936-37	55.7	21.5	17.6	12.9	11.9	15.5	8.51	98.6	188	.38	7.34	.29	36.5

Spring Creek near Tankersly

(Drainage area, 734 square miles)

1929-30	-	-	-	-	-	1.82	18.4	13.7	4.37	0.01	0	0	-
1930-31	248	34.4	33.3	23.9	35.9	14.6	17.0	14.3	5.91	2.03	0.59	1.00	36.2
1931-32	.02	2.35	14.4	22.5	14.4	11.8	74.9	397	40.7	241	14.3	140	81.6
1932-33	72.6	58.7	60.9	56.7	43.6	29.1	18.5	19.3	2.21	.31	.05	.03	30.2
1933-34	4.53	24.1	16.9	22.4	26.3	12.9	34.4	2.79	3.65	.09	0	0	12.2
1934-35	0	2.84	6.57	4.58	17.0	5.19	12.3	156	162	44.5	8.56	134	46.0
1935-36	25.6	31.3	23.1	16.5	7.90	4.21	.94	21.4	17.2	9.25	.22	637	65.4
1936-37	61.8	39.8	36.3	29.2	25.9	13.8	4.23	13.2	47.7	.92	.25	.04	22.7

North Concho River near Carlsbad

(Drainage area, 1,529 square miles, of which about 123 square miles is probably noncontributing)

1923-24	-	-	-	-	-	-	124	11.3	1.51	0	27.4	b3.60	-
1924-25	b5.00	b5.00	b5.00	7.60	5.64	1.50	568	1,010	49.3	6.12	108	11.4	150
1925-26	6.03	17.8	11.6	15.0	11.0	307	76.0	21.2	18.8	4.63	3.82	56.7	46.2
1926-27	10.6	12.2	a12.9	a10.8	12.1	7.76	69.5	24.8	a6.22	38.2	.05	11.6	18.0
1927-28	4.60	1.81	4.04	4.82	5.91	7.19	9.19	48.0	13.0	322	7.65	5.01	36.6
1928-29	1.94	5.70	7.08	a6.47	a8.17	41.7	12.8	a59.1	a2.35	a.70	0	a43.8	15.9
1929-30	118	7.90	3.91	4.08	3.95	3.60	4.34	145	207	.54	0	0	41.6
1930-31	15.1	1.97	20.1	5.09	10.2	5.51	5.56	18.0	3.32	.08	0	0	7.10
1931-32	a43.3	4.78	3.69	4.62	9.51	6.10	40.0	a637	131	15.6	4.57	100	83.9
1932-33	9.66	12.3	18.1	14.0	11.9	12.0	9.55	6.15	1.25	0	2.95	.09	8.17
1933-34	0	0	a.98	2.50	3.80	4.04	6.96	2.96	0	0	155	10.8	15.8
1934-35	0	a65.2	a1.26	1.45	85.0	4.13	41.5	915	33.9	a37.1	8.43	29.8	103
1935-36	4.24	4.73	5.78	6.45	6.63	10.4	5.69	25.7	3.45	.10	.10	4,019	336
1936-37	43.1	a20.6	19.7	16.0	15.2	22.4	12.2	9.35	252	6.20	1.31	.15	34.6
Av...	20.1	12.3	8.78	7.61	14.5	33.3	70.4	210	51.7	30.8	22.8	307	69.0

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

North Concho River at San Angelo

(Drainage area, 1,798 square miles, of which about 123 square miles is probably noncontributing)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1915-16	-	6.40	6.64	7.95	13.1	13.2	50.2	11.1	1.08	0	0	0	-
1916-17	10.6	.44	0	0	1.15	1.35	80.5	6.84	39.3	1.27	0	20.1	13.3
1917-18	0	0	0	0	0	0	0	93.7	38.5	17.6	0	5.19	13.0
1918-19	548	a49.1	b2.00	a3.67	3.79	225	259	20.9	390	126	42.8	a69.8	146
1919-20	655	19.7	22.0	18.5	11.5	13.7	7.04	2.71	6.71	.66	51.8	3.78	68.7
1920-21	6.81	9.19	7.94	7.67	7.48	9.75	7.81	2.57	11.0	.01	0	0	5.82
1921-22	0	0	0	0	0	0	974	331	26.4	229	.04	.06	130
1922-23	0	.03	.03	a1.59	b.50	a1.09	a32.9	6.01	.09	0	a1.21	4.16	3.94
1923-24	32.8	2.76	2.53	3.06	4.72	7.29	157	18.6	.88	.01	21.4	39.4	24.0
1924-25	36.8	5.26	11.2	6.68	6.46	2.92	355	1,020	97.5	12.7	74.2	a70.5	143
1925-26	-	-	-	-	-	-	-	-	-	-	-	-	b69.5
1926-27	a5.87	4.38	14.2	8.74	19.7	15.0	49.6	23.9	a4.34	24.6	b.15	b84.4	21.1
1927-28	a150	1.31	2.85	a4.29	a5.30	a4.69	7.03	78.8	-	-	-	-	-
1928-29	-	-	-	-	-	49.2	15.2	78.6	2.49	.84	0	a50.8	-
1929-30	148	.95	2.08	3.11	2.94	2.64	16.0	196	452	.80	0	0	68.7
1930-31	a54.6	2.45	20.7	2.47	12.5	5.49	13.4	a16.7	4.55	8.31	0	0	11.8
Av...	127	7.28	6.58	4.84	6.37	23.4	135	127	76.8	30.1	13.7	24.9	-

Pecan Bayou at Brownwood

(Drainage area, 1,614 square miles)

1916-17	-	-	-	-	-	-	-	-	18.6	0	7.47	128	-
1917-18	0	0	0	0	0	0	0	-	-	-	-	-	-
1923-24	-	293	415	27.0	24.9	356	106	677	106	0	0	41.6	-
1924-25	3.89	0	0	0	0	0	113	525	9.96	89.5	81.0	98.9	77.6
1925-26	177	78.2	0	63.8	0	47.9	608	38.0	311	128	5.83	251	142
1926-27	55.6	2.10	96.4	5.88	65.9	53.4	431	77.9	75.8	133	2.76	111	92.2
1927-28	424	0	0	0	4.60	.38	74.9	1,290	173	257	532	10.7	234

1928-29	0	-	-	-	-	-	-	-	-	0	0	43.5	-
1929-30	127	8.53	0	0	0	13.2	4.85	1,730	329	a44.6	0	182	205
1930-31	3,670	64.9	131	53.4	154	31.2	16.7	70.0	401	65.9	0	0	393
1931-32	1,930	a30.6	a87.7	280	113	29.2	8.34	774	918	3,940	60.6	1,050	775
1932-33	30.9	11.6	a242	a81.2	.20	.20	85.2	159	.55	68.5	1.06	2.29	57.7
1933-34	4.26	9.48	3.30	.27	22.6	9.39	10.7	.74	174	993	7.37	3.22	104
1934-35	0	.08	.2	3.20	15.1	12.6	8.78	178	a459	334	265	1,197	205
1935-36	346	324	90.0	4.28	8.25	7.86	2.71	19.1	51.0	240	103	2,576	311
1936-37	580	296	258	b125	a42.2	15.9	9.07	26.7	58.8	19.3	17.2	4.06	122
Av...	525	79.9	94.5	46.0	32.2	41.2	106	428	220	421	72.2	380	227

San Saba River at Menard

(Drainage area, 1,151 square miles)

1915-16	70.0	41.0	36.2	36.0	36.1	44.9	61.5	58.2	16.9	13.9	14.5	25.6	37.9
1916-17	15.8	11.0	24.4	23.6	31.5	29.9	33.0	34.1	36.7	2.95	2.70	20.1	22.1
1917-18	1.88	9.81	23.7	27.1	30.2	26.5	139	23.2	140	1.83	5.18	47.2	39.3
1918-19	36.6	317	37.9	36.9	39.6	29.1	27.3	75.8	160	72.8	42.7	263	94.3
1919-20	40.6	51.4	48.2	41.8	42.9	30.6	33.8	29.5	38.1	32.3	125	32.8	45.7
1920-21	37.6	45.9	36.6	24.8	27.6	44.1	19.1	15.7	9.12	7.23	9.13	22.0	24.9
1921-22	35.3	3.65	10.8	5.72	4.31	172	447	191	53.6	18.5	6.87	11.1	80.0
1922-23	11.2	43.7	30.9	16.8	58.1	55.2	181	29.5	12.7	1.73	32.9	259	60.4
1923-24	38.1	284	90.4	74.2	55.2	71.9	52.9	92.3	72.9	27.5	30.4	47.7	77.9
1924-25	37.8	23.5	26.8	45.5	30.2	22.4	60.8	124	28.0	11.6	19.8	26.0	38.1
1925-26	40.3	51.3	30.2	57.1	53.4	29.4	53.1	18.6	63.3	29.3	5.94	10.0	36.6
1926-27	22.1	19.9	12.6	15.1	63.5	23.6	15.5	47.7	123	9.49	5.42	22.0	31.3
1927-28	75.6	16.0	30.6	32.8	25.5	18.2	12.9	12.3	34.0	21.0	6.63	37.3	26.9
1928-29	28.9	16.4	31.8	27.3	29.5	27.7	9.71	22.5	8.63	7.68	2.32	29.0	20.1
1929-30	143	15.3	23.4	24.2	7.01	12.6	9.65	15.8	99.4	.58	.50	74.2	35.5
1930-31	403	34.0	34.7	29.6	88.9	36.0	29.1	19.1	19.9	34.2	9.33	54.7	66.2
1931-32	11.1	20.6	31.0	37.3	27.8	16.3	19.2	197	21.8	248	12.6	320	80.4
1932-33	42.9	39.9	40.5	43.7	42.9	45.7	27.5	26.8	13.0	8.94	7.91	12.8	29.3
1933-34	7.74	7.76	13.2	35.7	34.6	24.9	271	30.1	6.30	43.9	4.19	4.87	40.0
1934-35	5.27	4.98	18.9	13.0	101	25.9	8.90	358	591	15.2	18.7	514	138
1935-36	48.5	49.0	46.7	42.6	36.2	12.4	19.6	49.9	18.7	188	17.7	2,720	267
1936-37	121	83.0	79.5	66.9	53.3	35.9	31.6	32.5	35.4	11.6	7.39	15.0	47.8
Av...	57.9	54.0	34.5	34.4	41.8	38.0	71.1	68.3	72.8	36.7	17.6	208	60.9

a Partly estimated. b Estimated.

142237 O—39——8

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

San Saba River at San Saba
(Drainage area, 3,046 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1915-16	171	118	162	117	109	81.5	149	267	50.4	37.8	40.9	57.2	114
1916-17	48.1	51.4	65.1	68.6	57.7	52.7	43.9	139	250	14.3	35.2	128	79.2
1917-18	27.4	40.3	43.2	50.3	41.4	37.8	379	93.2	417	6.02	7.74	14.4	95.7
1918-19	526	748	329	294	166	200	87.0	449	1,260	602	387	1,210	521
1919-20	719	676	369	562	317	215	161	215	145	105	294	141	327
1920-21	97.0	146	119	97.3	97.3	137	83.8	63.5	98.5	29.6	29.7	41.8	86.6
1921-22	59.4	36.8	47.4	50.1	52.3	403	4,480	2,660	296	137	73.4	64.7	697
1922-23	67.4	97.6	80.9	76.8	160	156	648	182	98.7	137	48.5	807	212
1923-24	253	791	379	231	213	265	282	552	474	73.4	60.7	196	313
1924-25	102	93.7	103	110	94.1	73.2	102	399	99.1	17.8	179	130	126
1925-26	574	201	108	152	157	156	202	138	156	116	46.8	49.9	172
1926-27	113	95.2	106	89.9	358	127	86.7	159	568	70.2	60.6	97.0	159
1927-28	390	94.3	78.8	72.8	87.3	68.9	65.0	50.3	380	a127	64.6	283	146
1928-29	100	74.4	78.5	66.3	62.9	152	68.8	468	139	35.0	33.0	352	136
1929-30	262	47.5	56	59.2	56.9	40.1	44.3	217	183	10.4	14.9	112	91.9
1930-31	a2,150	141	113	208	420	202	a128	a109	124	111	49.7	66.8	320
1931-32	56.0	67.9	96.4	192	458	244	202	1,420	202	1,310	120	673	421
1932-33	139	128	124	132	116	134	92.8	385	64.8	33.1	38.5	44.2	120
1933-34	34.6	47.4	57.7	85.3	131	248	1,480	121	48.7	86.9	37.2	26.1	199
1934-35	26.7	61.6	49.4	61.3	330	101	63	2,030	1,730	163	107	a1,661	530
1935-36	a141	171	125	111	100	70.2	63.2	471	126	226	35.6	3,941	461
1936-37	664	414	312	208	177	167	123	163	489	73.3	55.5	75.8	244
Av...	305	197	136	141	171	151	411	489	336	160	82.7	462	253

Note.- Records obtained at a site 4.5 miles upstream prior to Aug. 29, 1930, and were formerly published as San Saba River near San Saba, Tex.

Noyes canal at Menard

1923-24	-	-	-	-	-	-	19.0	12.7	13.6	32.1	30.6	6.40	-
1924-25	10.4	27.5	26.1	1.92	16.8	26.0	18.9	24.2	21.2	23.1	23.8	14.2	19.5
1925-26	9.72	0	26.4	8.12	0	26.3	0	22.9	21.1	22.7	24.6	22.4	15.5

1926-27	16.6	16.3	27.6	24.7	1.32	22.7	25.0	26.5	6.50	23.3	21.5	21.6	19.6
1927-28	7.26	21.7	9.82	6.19	14.8	18.3	26.7	20.3	14.7	18.0	18.8	2.33	14.9
1928-29	8.85	18.7	8.18	6.71	2.30	12.7	20.8	13.5	13.5	15.1	16.0	18.0	12.9
1929-30	7.77	13.7	12.6	10.4	21.8	16.5	16.2	18.5	20.3	17.8	16.7	14.8	15.5
1930-31	14.7	9.19	a6.78	13.2	12.1	10.8	17.2	19.9	19.7	19.7	a21.0	20.1	15.4
1931-32	17.6	11.4	6.82	0	10.1	18.4	15.6	16.1	21.9	18.3	20.8	8.69	13.8
1932-33	7.65	9.45	10.1	10.1	5.46	2.74	16.5	14.4	16.3	14.5	14.6	11.7	11.1
1933-34	16.2	21.3	20.8	3.19	0	8.88	6.14	20.6	18.4	15.7	18.0	15.8	13.8
1934-35	16.2	19.5	12.2	21.5	10.9	11.5	24.5	10.6	.40	20.6	16.1	a8.34	14.4
1935-36	7.29	6.82	5.47	a1.28	a4.75	21.0	14.7	8.29	15.4	16.5	11.5	a10.3	10.3
1936-37	0	0	0	0	4.82	24.2	22.3	14.0	13.6	31.8	21.4	14.5	12.3
Av...	10.8	13.5	13.3	8.25	8.09	16.9	17.4	17.3	15.5	20.7	19.7	13.5	14.5

North Llano River near Junction

(Drainage area, 914 square miles)

1915-16	66.4	38.1	31.3	31.4	29.3	24.8	33.2	20.8	8.29	8.93	7.61	3.64	25.4
1916-17	3.95	7.57	12.5	14.2	14.4	14.5	12.4	36.5	5.91	.43	0	.86	10.3
1917-18	.02	0	1.82	6.36	6.51	6.89	513	12.9	63.7	.78	0	10.2	51.1
1918-19	10.5	97.7	20.0	30.2	28.6	29.3	28.6	54.1	136	62.9	217	651	113
1919-20	207	102	59.9	63.1	56.0	46.4	36.6	58.3	24.8	17.4	120	52.4	70.7
1920-21	33.1	31.7	29.5	27.3	24.9	30.1	20.9	13.7	9.73	2.74	.67	2.60	18.9
1921-22	3.36	6.74	15.1	16.8	13.9	69.4	290	173	65.6	15.8	9.04	3.45	56.9
1922-23	4.63	12.2	10.8	11.0	24.3	31.2	456	150	38.2	18.7	3.65	74.4	69.1
1923-24	342	545	203	124	87.3	103	77.7	140	110	28.3	16.8	22.1	150
1924-25	24.0	26.0	27.0	32.0	26.9	25.2	38.9	845	75.5	16.9	15.0	21.5	99.1
1925-26	106	35.3	31.5	32.7	27.6	33.4	26.1	44.0	11.9	9.32	1.64	1.17	30.2
1926-27	15.5	17.1	18.0	14.8	15.6	13.3	11.3	4.67	1.07	10.9	1.75	.21	10.3
1927-28	284	35.9	24.1	18.1	14.5	19.7	12.7	12.6	457	19.7	7.61	12.0	76.3
1928-29	20.1	17.7	19.5	14.6	12.9	12.9	15.8	27.2	4.79	.99	.41	6.34	12.8
1929-30	6.56	7.18	11.6	11.6	7.67	7.66	28.8	14.0	24.1	.98	.25	3.88	10.3
1930-31	546	32.2	29.2	23.3	38.1	39.3	72.9	52.4	22.1	19.2	7.25	1.71	74.4
1931-32	.81	4.62	14.6	14.6	15.8	20.1	11.7	99.7	14.4	73.7	1.25	1,960	183
1932-33	63.7	43.6	36.8	39.5	33.3	27.4	22.5	441	48.2	14.9	5.38	4.94	65.7
1933-34	4.71	7.22	11.5	20.2	14.2	20.4	64.2	23.0	2.65	.07	0	0	14.0
1934-35	0	0	.98	5.97	17.4	11.1	19.8	77.8	1,465	74.7	36.3	958	220
1935-36	71.6	98.8	43.9	34.9	29.6	36.3	21.7	89.2	38.8	16.5	5.27	2,130	215
1936-37	98.7	48.7	70.3	56.9	47.9	49.2	40.2	24.0	50.6	10.3	4.06	11.5	42.7
Av...	86.9	55.2	32.9	29.3	26.7	30.5	84.3	110	122	19.3	21.0	270	73.6

a Partly estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

Llano River near Junction

(Drainage area, 1,762 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1915-16	208	163	142	123	116	99.8	109	294	84.4	69.8	70.7	62.6	129
1916-17	72.1	61.2	66.1	69.5	66.4	59.4	56.1	52.8	34.0	26.2	25.6	47.6	53.0
1917-18	38.1	41.2	41.8	42.0	42.4	43.8	1,090	111	98.9	23.7	20.0	50.1	135
1918-19	55.8	244	93.0	114	102	84.8	69.7	575	383	116	939	2,810	464
1919-20	369	308	217	192	188	182	156	630	130	119	171	183	238
1920-21	151	150	143	142	141	162	108	86.8	112	86.4	84.6	70.1	120
1921-22	60.8	56.8	61.2	61.6	63.0	142	1,020	400	123	155	64.7	61.7	189
1922-23	63.0	70.7	68.7	70.5	139	116	308	768	139	73.5	59.3	1,440	275
1923-24	2,710	1,570	344	259	265	244	197	405	232	99.2	77.5	105	544
1924-25	101	101	110	110	99.2	87.3	116	2,400	228	89.8	96.9	109	307
1925-26	178	167	135	103	99.2	144	144	184	103	74.5	62.9	55.3	121
1926-27	80.5	95.7	99.9	81.4	96.5	101	74.3	61.8	54.3	61.5	52.8	53.7	76.0
1927-28	600	96.9	86.6	80.9	77.1	77.5	69.0	a70.5	a738	73.4	57.6	62.7	174
1928-29	72.2	74.0	77.1	75.0	65.0	65.8	68.0	85.8	a52.5	48.8	36.7	56.7	64.8
1929-30	a55.5	54.5	69.6	a69.9	56.5	47.7	60.6	a69.3	90.3	46.8	51.6	41.4	59.5
1930-31	1,070	109	90.7	81.6	107	99.9	305	216	90.3	79.8	57.8	44.4	198
1931-32	44.3	47.4	57.2	60.3	63.1	62.8	50.7	168	58.9	786	65.9	4,300	476
1932-33	237	165	130	129	117	101	88.2	786	139	78.7	56.4	57.5	175
1933-34	51.3	58.1	61.1	66.1	72.2	73.4	110	65.6	40.7	35.4	29.4	30.2	57.6
1934-35	30.5	41.1	45.2	44.8	50.4	51.5	61.3	414	5,797	251	138	1,663	708
1935-36	187	189	133	118	101	113	94.1	168	121	88.2	57.3	3,518	403
1936-37	a371	b255	a192	148	129	125	109	90.0	98.3	58.6	52.1	57.3	141
Av...	309	187	112	102	103	104	203	368	407	116	106	676	232

Llano River near Castell

(Drainage area, 3,514 square miles)

1923-24	-	-	904	459	396	433	359	404	487	116	78.6	122	-
1924-25	112	117	134	138	123	103	183	1,240	302	69.8	220	208	247
1925-26	851	947	179	258	172	527	514	336	460	108	59.8	53.8	373
1926-27	248	160	152	135	509	201	184	110	481	124	59.8	66.2	200
1927-28	1,280	178	113	104	112	93.9	86.2	118	971	94.7	70.6	80.5	275
1928-29	78.7	86.5	94.0	84.3	81.2	88.6	84.0	477	122	60.7	24.3	465	146
1929-30	67.7	61.8	83.3	78.5	68.3	62.1	82.0	167	644	32.4	31.1	156	127
1930-31	a2,440	a201	233	339	492	252	360	382	141	164	b67.7	42.7	428
1931-32	45.5	62.4	105	126	186	222	97.3	391	104	a2,130	a73.3	a4,610	677
1932-33	320	222	200	201	179	179	136	1,280	187	74.4	55.5	a64.9	260
1933-34	a59.2	68.2	75.1	96.0	117	101	503	162	40.4	22.5	12.2	33.1	107
1934-35	25.5	42.5	52.1	55.5	133	71.7	74.4	b2,602	a11,630	408	187	2,112	1,438
1935-36	259	248	212	170	159	164	109	371	147	111	54.5	8,397	856
1936-37	822	565	329	240	193	203	151	142	147	57.5	40.9	90.3	249
Av...	508	228	205	177	209	193	209	584	1,133	255	74.0	1,179	414

Pedernales River at Stonewall

(Drainage area, 647 square miles)

1923-24	-	-	-	-	-	-	-	-	-	-	5.92	9.70	-
1924-25	7.26	7.68	10.9	11.7	10.1	8.88	15.4	67.1	3.95	8.06	20.3	85.5	21.4
1925-26	307	107	13.6	17.9	12.8	85.6	91.6	68.7	38.7	116	6.77	4.31	73.1
1926-27	60.8	36.7	37.3	13.1	405	113	112	48.5	126	69.7	27.4	14.0	86.3
1927-28	113	11.4	13.8	12.2	18.4	14.3	13.0	55.3	62.6	9.75	4.50	9.06	28.2
1928-29	3.49	4.71	9.04	26.0	5.77	8.32	51.3	751	45.5	136	4.15	3.58	88.8
1929-30	4.60	6.02	6.98	4.34	4.52	8.78	7.74	405	74.5	3.65	2.58	14.3	45.8
1930-31	280	16.9	16.0	53.5	147	92.4	174	116	80.9	72.0	11.1	4.88	88.3
1931-32	4.72	98.6	25.5	60.2	71.7	160	61.7	96.0	18.2	410	54.5	172	103
1932-33	34.8	27.9	62.7	106	55.5	64.5	50.0	110	14.7	10.4	4.60	4.51	45.6
1933-34	3.47	5.03	5.68	66.2	25.8	40.1	61.7	41.2	3.82	2.02	1.83	1.28	21.5
Av...	81.9	32.2	20.2	37.1	75.7	59.6	63.8	176	46.9	83.8	13.1	29.4	60.2

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

Pedernales River near Spicewood

(Drainage area, 1,294 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	714	218	352	534	434	478	583	36.5	10.3	116	-
1924-25	14.5	19.1	26.0	25.2	18.5	15.1	10.6	61.0	7.02	0	15.8	64.0	23.1
1925-26	615	373	33.4	121	61.6	237	969	325	86.6	606	23.5	6.69	289
1926-27	113	82.3	57.8	36.5	562	323	506	111	354	73.2	14.8	9.8	183
1927-28	268	25.9	30.1	28.3	47.2	47.6	25.6	46.9	82.4	9.33	5.83	23.7	53.6
1928-29	9.83	11.4	26.0	29.8	14.0	21.1	56.6	3,810	199	254	7.88	1.62	377
1929-30	2.72	33.0	30.6	18.6	16.5	17.0	11.2	1,110	80.6	6.71	.59	10.6	113
1930-31	371	49.8	51.0	190	632	379	378	298	85.4	240	31.8	4.85	224
1931-32	2.23	103	52.0	102	126	502	103	127	34.8	388	34.2	308	157
1932-33	43.2	38.3	70.8	135	71.6	82.0	55.4	122	15.2	13.0	21.5	7.13	56.4
1933-34	1.57	1.03	6.62	190	137	130	332	54.1	6.05	31.6	2.95	0	73.8
1934-35	0	64.6	6.77	10.6	71.2	6.45	8.93	1,180	a3,260	135	53.1	1,250	500
1935-36	111	63.5	367	120	82.0	123	46.8	1,248	354	1,294	68.3	4,368	685
1936-37	519	396	407	332	257	576	239	122	364	140	17.7	57.1	286
Av...	159	97.0	134	111	175	214	227	650	394	231	22.0	445	232

Barton Creek at Austin
(Below Barton Springs)

1916-17	-	-	-	-	-	-	-	15.3	18.0	15.4	13.6	16.7	-
1917-18	14.9	15.0	13.8	13.1	13.6	13.6	20.6	18.6	15.3	15.0	14.1	13.3	15.1

Note.- Flow is probably entirely from Barton Springs.

a Partly estimated.

Barton Springs at Austin

(Miscellaneous discharge measurements)

Date	Discharge (sec.-ft.)
1894	
Nov. 13	*17
1895	
Dec. 18	*25
1896	
Dec. 3	†48
1898	
Mar. 26	‡20
May 3	‡30
Dec. 23	‡19
1900	
Aug. 31	†69
Dec. 21	†32.5
1901	
Dec. 23	‡28
1902	
June -	‡19
Aug. -	‡19
1903	
June -	†69
1904	
June -	‡43
1905	
July -	‡65
1906	
June -	†24
1910	
Aug. -	†19
1916	
Aug. 29	‡32.9
31	‡30.5
Sept. 2	‡30.1
6	‡28.2
1917	
Feb. 23	‡17.2
Apr. 26	‡15.3
May 11	‡14.5
June 1	‡19.9
12	‡18.0
26	‡18.0
26	‡17.8
July 14	‡15.8
28	‡14.9
Aug. 15	‡14.9
22	‡15.0
24	‡15.4
29	‡14.3
31	‡15.0
Sept. 12	‡18.2
Oct. 6	‡16.4
26	‡12.9
Nov. 16	‡15.6
Dec. 1	‡14.0
19	‡14.2
1918	
Jan. 2	‡12.7
Feb. 4	‡13.8
23	‡13.2
26	‡12.1
27	‡13.8
Mar. 7	‡13.4
16	‡12.6
Apr. 4	‡16.7
20	‡23.8
May 4	‡19.7
20	‡19.4
June 5	‡13.3
22	‡16.7
July 2	‡15.5
18	‡14.7
29	‡13.3
31	‡14.1
Aug. 1	‡14.0
10	‡14.3
16	‡14.6
27	‡13.0
Sept. 11	‡12.7
20	‡14.0
30	‡12.7
Oct. 18	‡14.1
Nov. 18	‡17.6
Dec. 2	‡16.5
14	‡15.2
1919	
Feb. 27	†56.0
Mar. 14	*53.9
Apr. 10	†69.3
May 21	*89.0
July 15	*67.0
Aug. 12	*53.0
Sept. 11	†56.8
29	†84.0
Oct. 8	*70.0
25	†129
Nov. 5	*103
15	†104
26	†92.4
Dec. 20	†78.1
1920	
Jan. 3	†71.0
17	*139
31	†90
Feb. 21	†94.2
Mar. 2	†86.9
20	†71.3
Apr. 13	†71.9
24	†63.7
May 8	†56.0
22	*101
June 7	*91.7
22	†69.3
July 7	†69.3
21	†58.6
Aug. 24	*76.5
Sept. 20	†60.9
Oct. 2	†53.9
23	†46.4
Nov. 6	†45.1
20	†41.7
Dec. 4	†38.9
23	†36.6
1921	
Jan. 12	†35.2
26	†34.1
Feb. 16	*31.7
Mar. 2	†31.0
18	†40.3
Apr. 1	†42.3
11	*130
18	*132
May 2	†77.6
16	†71.8
30	†64.9
June 11	*53.6
July 2	*52.1
16	†47.5
1921	
July 30	†40.4
Aug. 5	†38.3
8	†39.0
15	†34.2
27	†32.0
Sept. 26	†72.1
Oct. 12	†58.2
25	†54.6
Nov. 10	†47.6
28	†41.3
Dec. 13	†38.8
28	†35.7
1922	
Jan. 11	†32.2
26	†30.7
Feb. 10	†29.6
27	*29.4
Mar. 11	*29.4
25	*29.3
May 25	*87.0
June 20	*67.0
July 13	†56.2
26	†47.5
Aug. 9	†46.4
28	†39.8
Sept. 19	*34.2
Oct. 4	*28.2
19	*26.3
Nov. 2	*27.3
17	*30.1
27	*24.3
Dec. 20	*23.3
1923	
Jan. 6	*22.5

*Flow of Mill Spring included.
†Not known if flow of Mill Spring is included.
‡Not known if Mill Spring is included, but it probably has no flow.

Barton Springs at Austin--Continued

Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)
1923		1927		July 14	*23.5
Jan. 20	*24.5	Jan. 29	*33.6	Aug. 26	*26.6
Feb. 8	*22.7	Mar. 19	*49.9	Sept.22	*24.2
27	*23.9	May 10	*44.0	Oct. 21	*24.3
Mar. 14	*23.5	July 6	*36.0	Nov. 25	*21.1
Apr. 2	*37.4	Aug. 18	*24.4	1934	
May 11	†50.4	Nov. 25	*27.3	Jan. 21	*25.1
21	†45.6	1928		Feb. 22	*52.5
June 5	†42.8	Jan. 9	*30.2	Apr. 2	*67.2
19	†38.8	Feb. 11	*32.2	June 16	*56.2
July 6	*34.0	Mar. 28	*48.2	July 17	*33.5
27	*27.2	Apr. 7	*30.0	Aug. 13	*26.6
Aug. 20	*23.4	June 14	*33.4	30	*24.2
Sept.25	*31.3	July 11	*26.4	Sept.22	*22.1
Oct. 9	*21.0	23	*20.2	Oct. 22	*20.8
26	*38.1	Aug. 18	*18.8	Dec. 3	*21.7
Nov. 16	*53.3	28	*19.5	1935	
Dec. 8	*76.0	Sept.18	*17.8	Jan. 7	*24.1
26	*76.0	Oct. 22	*17.1	26	*22.3
1924		1929		Mar. 2	*31.2
Jan. 15	*88.4	Jan. 18	*21.5	16	*30.6
Feb. 4	*79.0	Mar. 22	*21.5	Apr. 6	*25.2
23	*96.0	Apr. 29	*37.4	20	*22.6
Mar. 10	*89.0	June 18	**83.8	July 6	*81.0
Apr. 4	*96.6	July 19	*67.8	Aug. 7	*62.5
23	*89.5	Aug. 26	*43.3	Oct. 4	*55.9
June 6	*106	Nov. 20	**27.9	Nov. 25	*37.1
July 3	*91.0	1930		Dec. 23	*33.8
18	*86.8	Jan. 4	**23.4	1936	
Aug. 4	*80.5	Feb. 13	**22.5	Jan. 11	*30.4
18	*82.0	Mar. 21	**28.9	Feb. 12	*30.0
Oct. 9	*56.4	Apr. 5	**24.2	Mar. 7	*18.3
30	*46.8	July 11	**36.5	30	*25.9
Nov. 20	*40.5	29	**28.4	Apr. 23	*20.9
Dec. 12	*33.1	Aug. 12	**24.0	May 12	*19.8
1925		Sept.15	**20.4	June 5	*46.6
Jan. 2	*28.4	Nov. 22	**30.2	23	*37.4
20	*30.1	1931		July 14	*69.8
Feb. 16	*27.8	Jan. 15	*51.7	Aug. 24	*41.2
Mar. 7	*25.4	Feb. 5	*80.6	Oct. 17	*47.5
30	*22.6	Mar. 4	*96.0	Nov. 20	*42.9
Apr. 24	*23.2	Apr. 9	*87.0	Dec. 6	*53.0
May 21	*22.0	May 14	*92.9	19	*46.2
June 15	*22.2	June 3	*77.3	1937	
July 16	*22.8	July 6	*63.4	Jan. 23	*63.4
30	*22.5	Aug. 4	*55.0	Feb. 6	*52.3
Aug. 30	*19.2	28	**43.7	24	*44.9
Sept.26	*15.7	Nov. 21	*28.4	Mar. 17	*58.9
Oct. 28	*31.5	Dec. 28	*24.1	Apr. 21	*42.5
Nov. 30	*59.8	1932		May 16	*48.5
Dec. 18	*36.6	Jan. 19	*33.1	June 10	*65.0
1926		Apr. 7	*46.0	21	*62.7
Jan. 26	*47.8	June 8	*34.0	July 2	*53.9
May 13	*92.0	Oct. 8	*22.7	12	†46.2
June 17	*78.9	1933		17	*45.0
Sept.17	*41.9	Feb. 11	*27.4	24	*42.6
Nov. 5	*35.6	Mar. 20	*32.2	Aug. 4	*37.6
Dec. 17	*34.0	Apr. 24	*26.5	20	*32.5
		May 12	*25.4	Sept. 7	*31.4

*Flow of Mill Spring included.
†Not known if flow of Mill Spring is included.
**Flow of Mill Spring not included and not determined.
Note.- Mill Spring enters Barton Creek from the right bank about 1,000 feet below main Barton Spring and is the farthest downstream of the group. It is considered to be a part of Barton Springs. See Water-Supply Paper 132, p. 44.

Mill Spring at Austin
(Miscellaneous discharge measurements)

Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)
1903		1923		1932	
June 6	8.5	Oct. 26	.3	Jan. 19	1.5
1904		Nov. 16	5.1	1933	
June -	0	Dec. 8	7.3	Feb. 11	0
1919		26	8.0	Mar. 20	.4
Mar. 14	4.4	1924		Apr. 24	1.7
Oct. 8	1.5	Jan. 15	7.7	May 12	1.6
Nov. 5	2.5	Feb. 4	8.4	July 14	.2
1921		23	9.2	Aug. 26	.7
June 11	5.8	Mar. 10	8.1	Sept.22	.9
July 2	4.2	Apr. 4	7.4	Oct. 21	0
Aug. 5	3.2	23	8.8	Nov. 25	0
Sept.26	7.9	June 6	5.7	1934	
Nov. 10	3.6	July 3	10.9	Jan. 21	0
Dec. 13	1.3	Aug. 4	8.5	Feb. 22	2.9
1922		18	5.7	Apr. 2	5.6
Jan. 11	.7	Oct. 9	4.8	June 16	3.0
Feb. 10	.1	30	4.2	July 17	1.6
27	0	Nov. 20	4.5	Aug. 13	2.1
Mar. 11	0	Dec. 12	2.6	30	1.0
25	0	1925		Sept.22	1.1
May 25	7.6	Jan. 2	2.1	Oct. 22	.7
June 20	6.0	20	1.9	Dec. 3	.9
July 13	5.0	Feb. 16	1.1	1935	
26	3.0	Mar. 7	1.2	Jan. 7	0
Aug. 9	.8	30	.8	26	0
28	.5	Apr. 24	.9	Mar. 2	0
Sept.19	0	May 21	.9	16	0
Oct. 4	0	June 15	1.4	Dec. 23	.4
19	0	July 16	1.0	1936	
Nov. 2	0	30	.8	Jan. 11	0
17	0	Aug. 30	.4	Feb. 12	0
27	0	Sept.26	.4	Mar. 7	.3
Dec. 20	0	Oct. 28	1.2	30	0
1923		Nov. 30	2.8	Apr. 23	.6
Jan. 6	0	1926		May 12	.7
20	0	June 16	10.1	June 5	3.1
Feb. 8	0	1928		23	2.6
27	0	June 14	2.9	July 14	4.8
Mar. 14	0	1929		Aug. 24	3.5
Apr. 2	0	Apr. 29	2.0	Oct. 17	3.3
May 11	2.4	1931		Nov. 20	2.3
21	.3	Jan. 15	3.2	Dec. 6	2.9
June 5	.1	Feb. 5	5.0	19	2.5
19	.1	Mar. 4	5.0	1937	
July 6	0	Apr. 9	4.8	Jan. 23	4.6
27	0	May 14	4.2	Feb. 24	6.4
Aug. 20	0	July 6	4.0	Aug. 20	3.2
Sept.25	0	Aug. 4	4.5		
Oct. 9	0	Nov. 21	0		
		Dec. 28	0		

Note.- Mill Spring is the farthest downstream of a group of springs known as Barton Springs.

Monthly and annual mean discharge, in second-feet, at stations in the Colorado River Basin--Continued

Little Walnut Creek near Austin

(Drainage area, 12 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	-	-	-	-	-	11.9	6.54	1.90	.88	1.84	-
1924-25	0.73	0.41	0.44	0.45	0.40	0.38	0.23	1.92	.01	.01	0	.47	0.46
1925-26	-	11.2	2.64	3.68	2.71	-	-	-	-	-	-	-	-

Onion Creek near Del. Valle

(Drainage area, 337 square miles)

1923-24	-	-	-	-	-	-	-	-	255	22.7	2.90	4.81	-
1924-25	2.39	2.04	1.97	1.78	1.65	1.83	2.15	1.87	.01	0	0	2.25	1.49
1925-26	282	124	13.3	39.0	35.7	168	847	351	39.3	73.0	4.93	2.06	165
1926-27	9.85	8.03	22.8	15.1	62.4	64.0	71.4	133	38.5	7.93	.34	2.80	36.2
1927-28	46.0	8.18	17.2	3.73	71.5	10.3	6.71	5.96	6.33	2.28	0	.05	14.6
1928-29	0	.61	1.45	5.55	2.07	3.78	15.6	1,770	353	130	13.9	4.89	194
1929-30	2.67	6.27	14.4	4.72	7.10	-	-	-	-	-	-	-	-

GUADALUPE RIVER BASIN

Guadalupe River near Comfort

(Drainage area, 916 square miles)

1917-18	-	-	-	30.8	27.8	23.4	183	25.1	8.13	1.54	68.4	40.2	-
1918-19	33.2	(f)	(f)	(f)	105	156	111	169	179	285	(f)	(f)	-
1919-20	(f)	(f)	524	433	340	277	213	(f)	(f)	114	(f)	89.7	-
1920-21	70	(f)	168	101	87	141	131	83.8	(f)	65.3	43.8	(f)	-
1921-22	46.7	52.5	57.6	60.5	59.8	58.3	(f)	(f)	68.8	40.1	38.0	31.0	-
1922-23	30.6	49.9	40.5	40.6	63.1	63.0	135	62.8	34.3	12.5	9.14	356	74.1
1923-24	98.8	418	346	231	178	388	270	207	316	96.5	55.6	70.9	223
1924-25	62.5	64.9	67.2	68.2	62.3	58.6	46.4	61.8	35.2	20.1	25.7	41.5	51.1
1925-26	209	149	62.3	68.3	55.5	105	185	167	82.9	207	55.2	38.8	116
1926-27	61.6	80.2	96.0	67.5	271	222	178	78.6	112	48.7	28.9	43.7	106
1927-28	82.7	43.7	50.6	53.3	61.9	91.5	49.8	60.2	97.0	b19.5	b18.7	36.6	55.4
1928-29	37.0	39.8	44.3	45.4	42.8	43.8	36.5	708	81.6	151	20.2	51.3	110
1929-30	26.1	29.1	46.9	40.3	37.4	38.4	a37.7	400	76.5	23.9	13.3	17.5	66.1
1930-31	a771	99.3	89.2	140	208	183	358	328	124	135	69.4	43.0	213

1931-32	45.7	64.6	74.4	78.0	106	174	390	183	74.0	b2,590	b142	b572	377
Av...	121	99.2	128	104	114	135	166	195	99.2	254	45.3	110	139

Note.- Station was located at a site 1 mile upstream prior to Aug. 11, 1924.

Guadalupe River near Spring Branch

(Drainage area, 1,432 square miles)

1921-22	-	-	-	-	-	-	-	-	-	69.1	44.9	34.8	-
1922-23	42.3	60.6	52.2	52.2	78.8	86.7	292	133	46.0	22.9	10.2	911	148
1923-24	102	590	829	417	450	640	565	798	484	168	79.1	118	437
1924-25	78.0	87.1	a95.4	88.9	80.3	69.3	58.9	72.9	32.9	a21.4	b30.0	b45.0	63.3
1925-26	296	189	81.8	89.1	73.5	147	767	394	162	228	86.8	53.1	214
1926-27	67.7	109	a132	93.5	301	419	362	193	404	105	46.8	50.2	189
1927-28	105	57.9	69.4	73.0	91.0	142	59.5	70.0	121	27.1	19.5	31.0	72.3
1928-29	39.9	36.7	42.6	45.2	46.4	56.8	84.7	1,180	240	a443	52.0	43.1	195
1929-30	33.0	48.1	70.8	57.9	63.9	55.3	45.4	412	399	69.7	19.9	19.5	108
1930-31	870	173	151	299	554	472	700	919	274	256	128	65.6	405
1931-32	57.7	83.1	103	158	162	a345	234	255	104	3,740	205	631	511
1932-33	260	176	204	352	234	231	185	232	121	65.3	51.0	54.7	181
1933-34	48.9	53.1	61.1	115	88.5	123	228	98.7	36.0	77.6	22.5	25.7	81.4
1934-35	17.7	31.3	41.1	40.7	84.4	49.9	55.8	933	3,997	425	163	983	565
1935-36	337	237	351	260	201	198	149	711	946	1,214	214	4,055	736
1936-37	1,131	662	531	454	374	400	285	182	622	143	70.6	79.1	411
Av...	232	173	188	173	192	229	271	439	533	442	77.7	450	288

Guadalupe River above Comal River at New Braunfels

(Drainage area, 1,666 square miles)

1927-28	-	-	-	84.3	195	243	93.3	88.7	148	34.2	21.6	31.2	-
1928-29	38.8	41.1	57.6	92.6	56.1	64.1	138	1,460	506	716	102	74.6	282
1929-30	55.2	71.5	85.6	74.1	78.7	69.9	55.7	626	474	106	30.8	22.7	146
1930-31	858	196	203	397	764	722	751	1,420	403	501	204	105	544
1931-32	79.3	101	133	282	269	470	283	293	127	3,660	224	667	553
1932-33	288	191	221	375	268	264	216	237	127	76.0	73.1	75.6	201
1933-34	55.9	60.7	66.2	149	169	273	376	138	53.5	90.5	47.4	28.5	125
1934-35	19.4	49.6	61.3	65.0	148	74.9	68.5	1,573	4,571	724	342	1,100	730
1935-36	463	290	400	308	227	248	179	741	760	1,951	301	4,200	837
1936-37	1,282	711	547	492	446	554	372	216	808	206	99.5	99.2	483
Av...	349	190	197	232	262	298	253	679	798	806	145	640	433

a Partly estimated. b Estimated. f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Guadalupe River Basin--Continued

Guadalupe River at New Braunfels

(Drainage area, 1,774 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1914-15	-	-	-	-	591	705	2,730	1,490	859	673	566	2,140	-
1915-16	594	514	518	523	474	425	1,550	1,950	627	550	483	410	719
1916-17	427	402	398	404	388	380	369	478	343	358	326	408	390
1917-18	297	320	327	331	335	328	542	420	297	277	318	339	344
1918-19	348	616	782	815	687	747	a699	834	1,110	1,530	2,720	a4,660	1,300
1919-20	a5,670	2,270	1,430	1,560	1,370	1,120	971	1,300	961	671	a831	a600	1,570
1920-21	556	563	554	515	497	693	a1,260	a591	1,310	527	411	1,790	769
1921-22	574	512	483	455	442	448	1,120	1,330	665	505	438	403	616
1922-23	411	464	413	a404	442	a454	744	640	461	394	343	1,280	536
1923-24	581	1,040	1,510	1,030	1,030	1,260	1,160	1,780	1,190	857	a732	594	1,060
1924-25	538	a508	513	489	465	425	424	446	407	345	347	330	436
1925-26	646	565	409	438	469	558	1,910	1,240	a665	690	537	437	714
1926-27	417	496	529	482	754	a853	747	552	a742	472	364	a372	563
1927-28	460	385	391	-	-	-	-	-	-	-	-	-	-
Av...	886	666	635	620	611	646	1,090	1,000	741	604	647	1,060	751

Note.- This station was 1 mile below the mouth of the Comal River.

Guadalupe River near Gonzales

(Drainage area, 3,603 square miles)

1915-16	973	848	892	910	721	693	2,100	3,170	1,120	799	585	493	1,110
1916-17	480	500	521	518	507	496	611	1,280	406	502	372	407	551
1917-18	370	394	402	403	436	790	1,640	1,220	385	297	307	386	586
1918-19	776	734	1,310	1,510	1,020	954	1,340	2,230	4,610	4,030	3,530	5,700	2,310
1919-20	11,300	3,250	2,090	3,760	2,230	1,630	1,430	4,240	1,780	1,070	1,740	835	2,960
1920-21	813	785	802	772	767	1,850	3,010	1,030	1,850	879	554	2,960	1,340
1921-22	861	777	761	705	796	1,930	4,480	4,200	1,370	845	744	601	1,510
Av...	2,220	1,040	968	1,230	925	1,190	2,090	2,480	1,650	1,200	1,120	1,630	1,480

Guadalupe River near Cuero

(Drainage area, 5,020 square miles)

1902-3	-	-	-	1,660	4,470	5,660	1,820	1,660	1,210	6,100	3,340	1,020	-
1903-4	1,020	1,010	864	700	691	639	671	1,640	794	569	585	1,030	851
1904-5	839	570	1,100	837	1,090	1,530	3,190	3,000	1,380	1,210	708	666	1,340
1905-6	634	884	684	656	968	666	691	664	520	595	597	614	679
1906-7	576	568	606	-	-	-	-	-	-	-	-	-	-

Note.- Gage heights only available Aug. 19, 1915, to Aug. 6, 1916. Discharges not determined.

Guadalupe River below Cuero

(Drainage area, 5,073 square miles)

1915-16	-	-	-	-	-	-	-	-	-	-	-	594	-
1916-17	537	614	654	603	590	536	648	1,310	415	500	335	522	606
1917-18	361	368	374	397	429	1,160	1,840	1,960	596	341	326	499	722
1918-19	1,490	1,180	2,070	2,530	1,110	1,230	1,570	(c)	(c)	(c)	(c)	(c)	-
1919-20	(c)	(c)	(c)	(c)	(d)	(c)	(d)	(d)	(c)	(d)	(c)	998	-
1920-21	871	900	890	873	817	1,910	a2,940	a1,140	a2,380	a1,250	600	2,440	1,410
1921-22	1,020	729	821	782	745	1,040	6,090	a4,560	a1,420	a885	690	625	1,620
1922-23	580	764	602	659	1,410	1,720	1,780	1,030	753	691	519	a1,560	1,000
1923-24	1,250	1,660	6,630	2,050	3,640	2,620	2,970	3,450	3,530	1,200	852	936	2,560
1924-25	743	664	737	740	677	621	540	587	a544	480	411	a506	604
1925-26	a2,640	a1,240	a746	a1,110	a809	a2,310	a9,000	a3,160	b1,380	a1,090	814	649	2,080
1926-27	1,180	a1,390	b876	a740	1,140	1,460	3,550	934	1,430	a890	491	381	1,200
1927-28	875	521	525	489	1,070	1,040	736	873	1,450	431	299	456	728
1928-29	430	845	848	1,010	511	1,850	2,670	6,340	a7,640	2,900	a786	659	2,210
1929-30	520	914	741	1,020	953	661	574	2,220	1,590	660	402	a338	883
1930-31	b1,380	723	984	1,860	2,750	2,580	1,520	2,690	1,080	1,550	625	534	1,520
1931-32	470	521	669	2,950	1,820	1,660	1,480	1,710	574	2,960	1,340	1,510	1,480
1932-33	938	723	826	1,090	975	1,260	830	984	673	545	1,270	647	897
1933-34	475	474	484	1,330	1,290	2,150	1,670	729	482	694	477	401	886
1934-35	412	1,013	1,695	644	1,822	637	1,036	8,300	9,786	1,798	1,150	5,300	2,791
1935-36	1,488	985	-	-	-	-	-	-	-	-	-	-	-
Av...	929	854	1,176	1,160	1,253	1,469	2,302	2,469	2,101	1,110	670	1,029	1,365

a Partly estimated.
b Estimated.
c Record incomplete.
d No record.

Monthly and annual mean discharge, in second-feet, at stations in the Guadalupe River Basin--Continued

Guadalupe River at Victoria

(Drainage area, 5,676 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1934-35	-	-	1,674	789	1,941	763	1,120	7,866	9,037	1,860	1,170	4,594	-
1935-36	1,981	1,081	2,057	1,412	1,038	1,056	817	4,818	2,328	18,430	1,311	3,246	3,326
1936-37	4,341	1,767	1,548	1,404	1,355	2,834	1,365	960	2,733	936	685	653	1,719

Comal River at New Braunfels

1927-28	-	-	-	299	(f)	(f)	298	(f)	(f)	289	275	274	-
1928-29	a283	277	280	282	274	273	277	(f)	306	(g)	310	a300	-
1929-30	290	293	285	278	270	257	262	(g)	(g)	299	269	265	-
1930-31	(d)	260	269	289	323	356	a330	(d)	345	(d)	322	329	-
1931-32	315	296	296	a322	315	a327	(f)	a303	311	a334	a347	(g)	-
1932-33	324	316	321	311	299	311	340	333	305	322	306	311	317
1933-34	292	299	309	327	307	339	332	328	325	337	325	299	318
1934-35	309	291	295	296	297	294	302	a396	a362	a343	342	a350	323
1935-36	345	355	370	375	369	358	335	a365	a405	a372	359	a367	365
1936-37	366	361	354	348	351	364	375	385	470	359	341	337	368
Av...	316	305	309	313	312	320	317	352	354	332	320	315	338

a Partly estimated.
d No record.
f One or more days above limit for which rating curve is defined.
g Backwater.

Comal Springs at New Braunfels
(Miscellaneous discharge measurements)

Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)
1882		Feb. 22	*305	1904		1924		May 7	**313
-	375	Mar. 8	*335	-	375	June 16	**406	June 10	**309
1895		13	*326	1905		Aug. 1	**315	20	**304
Dec. 20	328	18	*326	-	390	Sept. 5	**398	21	**334
1896		Apr. 1	*324	1906		1925		July 16	**325
Dec. 1	390	15	*329	-	386	Oct. 6	**304	26	**308
1898		May 13	*433	1910		Dec. 2	**290	26	‡318
Jan. 12	286	June 5	*372	-	299	1926		Aug. 18	**328
Mar. 18	312	Dec. 25	374	1911		Mar. 3	**295	24	**313
-	320	1901		-	267	Oct. 2	**329	24	**329
1899		-	343	1915		27	**335	24	**327
-	310	1902		Mar. 26	‡407	1927		Sept. 20	**307
1900		Feb. 22	333	1921		Jan. 22	**313	Oct. 18	**322
Jan. 20	301	Aug. 26	318	Feb. 7	‡329	Mar. 24	**298	Nov. 10	**316
Feb. 4	*283	1903		Sept. 7	‡316			Dec. 9	**319
		-	†412						

*Measured over weir at Clements Dam.
†Affected by recent rains.
‡Measured below Clements Dam.
**Measured in Landa Park.

Note.- Ordinary flow of Comal River comes from Comal Springs and these measurements represent the total spring flow. Published in previous water-supply papers as Comal River or Comal Springs at New Braunfels.

San Marcos River at San Marcos

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1914-15	-	-	-	-	-	-	-	-	-	308	300	248	-
1915-16	164	174	175	(c)	(d)	(c)	139	130	131	127	118	121	-
1916-17	123	121	115	115	112	108	110	119	106	87.3	88.4	85.3	108
1917-18	88.1	93.7	93.1	88.7	91.5	97.0	146	120	93.3	80.6	83.7	84.4	96.6
1918-19	77.3	88.9	127	135	122	122	150	164	177	(c)	(c)	(c)	-
1919-20	(f)	(c)	(c)	(c)	(c)	(c)	200	(c)	(c)	186	(f)	189	-
1920-21	167	151	145	147	137	(c)	(f)	200	172	148	138	(c)	

c Record incomplete.
d No record.
f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Guadalupe River Basin--Continued

San Marcos River at Ottine

(Drainage area, 1,249 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1914-15	-	-	-	-	-	-	-	-	-	297	256	243	-
1915-16	194	184	190	227	174	156	390	471	175	155	174	121	218
1916-17	117	117	121	114	122	119	254	551	107	114	84.6	93.2	160
1917-18	77.3	84.5	94.2	101	100	388	793	466	122	73.8	76.3	81.5	205
1918-19	242	120	489	591	281	248	561	1,150	2,500	1,820	656	1,210	823
1919-20	2,010	895	663	1,800	800	516	395	2,510	a705	334	814	289	981
1920-21	238	249	224	217	201	1,220	1,720	360	641	331	156	1,030	547
1921-22	323	227	212	187	178	831	1,910	1,970	512	256	199	159	582
1922-23	140	154	141	152	978	585	747	273	191	183	133	253	322
1923-24	487	414	1,900	521	1,310	842	870	1,020	772	346	214	229	742
1924-25	191	160	174	145	146	138	156	126	116	137	157	174	152
1925-26	1,000	a358	154	228	191	a678	a2,370	a865	361	337	268	164	582
1926-27	213	248	181	164	394	354	a378	a209	382	205	116	103	244
1927-28	213	a204	a166	a153	a557	a364	a215	252	a425	a179	88.1	111	242
1928-29	96.9	125	161	188	132	a310	a889	6,270	878	600	261	230	854
1929-30	169	185	180	183	219	208	185	706	553	194	136	123	254
1930-31	212	162	242	920	1,040	958	559	768	293	a422	209	145	491
1931-32	133	142	163	886	a534	575	345	222	167	156	172	198	308
1932-33	124	130	134	153	171	188	215	171	120	330	a245	176	180
1933-34	122	117	120	242	348	536	603	235	146	168	120	119	239
1934-35	111	a137	a305	184	468	162	147	1,963	a1,963	a369	224	781	567
1935-36	212	186	452	190	194	207	157	1,150	275	4,705	269	632	727
1936-37	a423	a266	a293	365	379	878	324	209	1,104	212	154	a157	396
Av...	320	221	307	360	405	475	645	996	569	518	225	297	446

a Partly estimated.

San Marcos Springs at San Marcos
(Miscellaneous discharge measurements)

Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)	Date	Discharge (sec.-ft.)
1894		June 26	185	Mar. 21	188
Nov. 14	150	Aug. 1	245	Apr. 21	232
1895		Sept. 4	184	May 25	181
Dec. 19	89	Oct. 1	197	June 22	187
1896		1925		Aug. 5	151
Dec. 2	186	Jan. 31	159	Sept.18	143
1898		Mar. 27	169	1932	
Mar. 19	51	July 2	116	Jan. 20	119
Sept.16	*86	20	118	Feb. 16	120
1900		Sept.19	111	Mar. 22	159
-	*150	Oct. 6	124	May 4	136
Dec. 24	*157	Dec. 3	144	June 25	132
1902		1926		July 19	135
Sept. 9	*150	Mar. 3	135	Oct. 6	103
1903		June 5	236	1933	
-	*153	July 12	220	Feb. 14	91
1906		Oct. 1	149	June 5	102
-	*145	27	142	July 20	111
1910		1927		Oct. 31	105
-	95	Jan. 5	130	Dec. 6	107
1921		Mar. 24	148	1934	
Oct. 3	219	May 7	142	Jan. 23	103
Nov. 25	194	June 10	111	Mar. 29	118
1922		Aug. 22	106	May 11	139
Jan. 5	172	Sept.16	120	July 17	119
25	170	Oct. 15	132	Nov. 3	102
Mar. 13	152	Dec. 1	107	1935	
31	187	1928		Jan. 7	111
May 17	286	Feb. 1	125	Mar. 6	102
June 12	275	Sept. 4	107	May 11	118
July 8	228	Nov. 2	119	June 12	171
21	202	Dec. 15	123	Sept.18	116
Aug. 5	168	1929		Nov. 1	145
23	182	Jan. 28	118	Dec. 20	134
Nov. 15	169	Mar. 13	136	1936	
1923		Apr. 22	131	Feb. 18	116
Feb. 7	128	June 17	226	Apr. 15	104
Mar. 24	132	28	241	June 13	121
May 7	168	Aug. 23	180	July 27	162
July 4	157	Nov. 5	130	Dec. 7	125
Aug. 16	116	1930		1937	
Sept. 5	152	Feb. 3	108	Feb. 12	122
19	165	Mar. 17	116	Apr. 1	126
Oct. 18	160	June 6	117	May 6	120
Nov. 20	155	July 14	127	June 22	154
1924		Aug. 11	128	Aug. 10	113
Jan. 14	252	Sept.17	123	Sept.23	110
Mar. 5	254	1931			
Apr. 25	244	Jan. 24	150		
May 21	279	Feb. 24	173		

*Measured at Westerfield Ford, 6 miles below San Marcos. Probably no inflow.

Note.- Ordinary flow of San Marcos River comes from San Marcos Springs, and these measurements represent the total spring flow. Published in previous water-supply papers as San Marcos River at San Marcos.

148237 O—39——9

Monthly and annual mean discharge, in second-feet, at stations in the Guadalupe River Basin--Continued

Blanco River at Wimberley

(Drainage area, 378 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	-	-	-	-	-	-	-	-	-	62.5	-
1924-25	25.4	23.1	23.6	22.4	20.3	18.0	16.8	14.1	9.20	8.62	9.65	9.27	16.7
1925-26	b78.0	b78.0	b78.0	b78.0	b78.0	87.2	713	289	111	b60.0	b60.0	b60.0	147
1927-28	-	-	-	-	-	-	-	-	-	11.9	14.9	6.93	-
1928-29	8.10	11.4	17.5	21.8	11.9	13.7	97.2	1,360	311	295	55.0	31.9	188
1929-30	18.7	27.1	a23.4	a20.0	19.2	18.4	16.1	278	108	44.6	18.4	14.6	50.9
1930-31	79.6	38.1	69.1	158	404	360	344	311	104	201	50.5	32.4	178
1931-32	24.5	23.5	29.0	a65.5	a69.7	161	a67.0	51.0	32.8	31.7	33.0	31.6	51.7
1932-33	20.0	19.8	17.4	28.5	28.9	35.1	33.2	31.1	18.8	19.4	27.0	19.7	24.9
1933-34	14.5	11.7	12.0	52.1	62.2	133	270	68.0	28.8	22.2	16.5	8.54	57.9
1934-35	11.3	35.4	18.2	15.4	38.6	16.0	13.5	423	736	105	40.8	126	131
1935-36	59.3	41.9	54.2	47.1	34.4	39.3	30.1	207	319	588	95.9	a45.7	165
1936-37	a141	112	101	150	143	237	133	60.5	85.1	54.8	24.8	28.4	106
Av...	43.7	38.4	40.3	59.9	82.7	102	158	281	169	120	37.2	36.7	102

Plum Creek near Lockhart

(Drainage area, 184 square miles)

1924-25	-	-	-	-	2.80	2.80	19.6	9.15	1.10	0.01	0	15.3	-
1925-26	222	81.7	3.48	37.4	4.82	199	680	77.5	26.9	a4.83	1.61	.81	112
1926-27	9.27	13.5	7.97	8.62	123	21.1	14.3	7.90	108	5.37	.53	.51	25.8
1927-28	22.4	2.35	8.44	2.25	131	59.9	5.59	11.7	57.6	20.7	.82	1.67	26.6
1928-29	.49	2.76	3.43	3.44	1.29	38.3	221	1,030	24.8	33.6	.29	.15	115
1929-30	.60	1.47	2.14	2.77	24.6	15.7	-	-	-	-	-	-	-

Plum Creek near Luling

(Drainage area, 356 square miles)

1929-30	-	-	-	-	-	-	13.8	193	142	a8.82	4.96	9.23	-
1930-31	a15.7	9.68	37.6	398	310	201	a638	106	6.84	24.4	9.43	2.61	97.9
1931-32	2.71	3.44	6.98	380	236	180	137	18.8	6.98	13.0	26.5	33.9	86.8
1932-33	4.23	7.28	11.4	19.8	17.1	25.9	38.7	10.4	2.73	123	49.5	32.8	28.8

1933-34	2.73	b3.00	a3.52	59.9	115	140	a155	a5.89	1.97	31.9	2.66	8.82	43.6
1934-35	2.51	30.7	129	a39.4	a225	10.8	12.0	575	a557	11.7	4.72	258	153
1935-36	a12.4	9.53	150	18.6	17.4	33.3	10.2	409	a15.7	a1,962	15.6	a52.7	229
1936-37	b88.4	18.9	51.8	36.7	23.9	218	31.2	10.7	293	6.95	6.35	4.70	65.9
Peach Creek near Dilworth (Drainage area, 445 square miles)													
1929-30	-	-	-	-	-	-	1.09	335	21.0	a2.11	0	0	-
1930-31	89.3	16.8	205	a224	282	165	10.3	5.72	0.13	19.6	13.8	.02	85.4
1931-32	0	0	2.11	547	240	82.2	69.1	a37.9	a1.78	23.8	a396	245	137
1932-33	6.60	1.52	3.62	1.96	32.9	74.3	4.26	-	-	-	-	-	-
Sandies Creek near Westhoff (Drainage area, 493 square miles)													
1929-30	-	-	-	-	-	-	5.47	20.9	34.1	7.12	0.73	0.60	-
1930-31	3.17	3.26	6.37	27.5	48.0	36.4	6.10	11.2	10.5	20.3	7.16	.48	14.9
1931-32	.36	1.19	5.62	379	91.3	31.2	250	104	2.78	.61	94.3	63.8	85.4
1932-33	3.37	1.69	3.38	7.33	30.0	81.5	6.40	45.0	8.22	121	248	43.6	50.5
1933-34	4.12	4.96	2.66	219	126	299	48.5	1.32	.32	137	10.4	4.72	71.7
1934-35	1.44	-	-	-	-	-	-	-	-	-	-	-	-
Coleto Creek near Schroeder (Drainage area, 365 square miles)													
1929-30	-	-	-	-	90.3	17.3	13.0	56.0	10.3	6.02	2.29	1.85	-
1930-31	11.5	7.62	9.62	77.8	64.3	105	29.8	9.77	178	257	36.3	7.80	66.3
1931-32	5.70	5.28	17.6	415	195	55.8	249	72.7	10.6	5.86	3.93	14.8	87.2
1932-33	18.5	6.75	8.86	9.98	111	109	9.07	13.8	57.2	65.2	41.8	150	49.6
1933-34	10.7	7.67	6.45	-	-	-	-	-	-	-	-	-	-
San Antonio River at San Antonio													
1914-15	-	-	-	-	103	106	219	179	140	171	222	136	-
1915-16	116	102	94.4	92.7	85.0	75.3	111	98.9	86.2	81.6	95.9	110	95.7
1916-17	82.8	81.0	81.0	78.9	78.0	68.9	34.1	41.1	25.9	26.8	24.4	23.6	53.8
1917-18	23.9	23.4	23.8	23.4	22.9	22.2	48.3	82.9	16.5	14.8	30.9	14.0	29.0
1918-19	15.1	9.52	17.7	33.9	38.7	31.5	46.6	53.6	66.3	116	91.9	186	58.8
1919-20	295	233	208	258	216	204	183	168	158	143	134	123	194
1920-21	119	118	111	109	98.4	144	123	99.7	107	84.7	69.2	250	119

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Guadalupe River Basin--Continued

San Antonio River at San Antonio--Continued

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1921-22	108	98.3	80.6	75.0	b63.6	b62.3	b101	b101	a115	88.4	76.9	68.5	86.4
1922-23	60.3	a71.7	72.9	56.2	70.0	66.9	81.5	67.0	54.7	48.4	34.0	52.1	61.2
1923-24	53.0	75.5	139	133	134	160	172	185	201	166	132	123	140
1924-25	114	93.8	91.9	82.8	72.4	66.2	52.9	53.3	35.8	26.7	36.6	31.3	63.2
1925-26	30.2	33.7	30.4	36.6	33.4	42.2	101	a132	94.7	66.4	46.3	36.9	57.0
1926-27	36.6	35.5	37.5	a31.9	34.6	39.4	30.4	29.2	61.1	29.7	24.7	24.7	34.6
1927-28	25.8	22.5	22.0	21.7	20.0	21.9	20.5	30.5	21.7	15.6	17.9	22.9	21.9
1928-29	a19.2	a17.1	a14.6	17.5	b9.04	a13.6	18.1	27.0	23.9	23.3	18.7	27.0	19.1
1929-30	31.4	-	-	-	-	-	-	-	-	-	-	-	-
Av...	75.4	72.5	73.2	75.0	71.9	75.0	89.5	89.9	80.5	73.5	70.4	81.9	73.8

Note.- Gage was at Commerce Street Bridge, Jan. 26, 1915, to Feb. 28, 1916, and at Presa Street Bridge, Feb. 29, 1916, to Apr. 8, 1920; discharge not materially different at the two sites.

San Antonio River at Calaveras

(Drainage area, 1,782 square miles)

1917-18	-	-	-	-	-	-	383	633	79.3	35.1	60.6	52.5	-
1918-19	158	86.9	190	473	105	89.0	228	224	301	536	202	3,630	516
1919-20	3,870	1,270	658	750	610	418	332	411	354	217	222	166	777
1920-21	178	250	213	216	176	529	298	202	221	137	95.4	(f)	-
1921-22	222	172	229	206	157	355	662	759	296	157	105	96.5	285
1922-23	94.8	215	138	148	309	230	289	155	118	102	94.0	175	171
1923-24	128	248	439	288	372	304	392	486	867	295	193	237	353
1924-25	168	186	230	159	143	130	104	149	75.3	63.6	80.1	-	-

San Antonio River near Falls City

(Drainage area, 2,067 square miles)

1924-25	-	-	-	-	-	-	-	201	99.6	95.6	a84.1	a146	-
1925-26	106	a189	a121	a143	a116	a213	a1,450	a739	a238	153	101	88.3	304
1926-27	101	122	149	150	169	198	221	127	364	92.0	62.0	84.0	153
1927-28	174	68.7	117	121	101	a162	136	334	285	87.9	51.8	172	151

1928-29	125	a208	157	129	120	163	199	1,330	232	a229	74.6	108	258
1929-30	132	113	a150	141	129	132	130	196	211	105	57.6	57.7	130
1930-31	98.4	102	a85.6	204	188	356	175	205	158	284	130	106	175
1931-32	89.3	123	147	225	225	150	139	175	96.9	163	122	349	167
1932-33	203	161	176	163	220	159	144	196	168	212	159	162	177
1933-34	113	114	107	276	180	218	467	148	90.0	165	102	100	173
1934-35	117	189	377	162	208	156	307	1,710	a3,321	439	255	781	667
1935-36	517	308	336	308	273	296	242	a1,263	a586	2,492	386	a1,199	687
1936-37	1,370	606	500	417	356	352	306	208	1,801	291	188	168	547
Av...	262	192	202	203	190	213	326	526	588	370	136	271	299

San Antonio River at Goliad

(Drainage area, 3,914 square miles)

1923-24	-	-	-	-	-	-	-	-	-	362	233	283	-
1924-25	214	205	279	222	220	194	152	211	104	145	113	215	190
1925-26	872	222	153	203	132	385	2,020	1,070	299	248	138	100	488
1926-27	233	185	188	162	204	299	492	149	a418	a115	53.7	91.2	215
1927-28	a292	a91.6	a107	117	a112	b173	a145	420	503	91.4	a51.0	391	208
1928-29	136	764	289	(c)	121	845	-	-	-	-	-	-	-

San Pedro Creek at San Antonio

1915-16	-	-	-	-	-	-	-	-	-	-	5.71	6.70	-
1916-17	8.49	7.89	8.94	13.3	11.8	5.42	4.56	4.89	4.86	3.32	2.82	2.52	6.54
1917-18	3.05	3.52	2.98	3.79	4.58	4.32	4.15	4.59	4.23	3.63	3.06	3.05	3.74
1918-19	3.29	3.88	3.35	7.25	5.71	6.14	12.0	8.93	13.9	15.6	14.0	15.5	9.13
1919-20	22.7	18.2	14.6	12.6	13.7	13.1	15.0	13.5	11.6	9.84	10.9	8.65	13.7
1920-21	11.7	11.9	9.02	8.71	9.07	13.6	8.89	8.37	9.19	7.76	6.44	(f)	-
1921-22	9.76	7.73	8.12	7.95	9.08	8.64	10.4	12.2	11.6	9.26	8.43	7.88	9.25
1922-23	8.25	8.49	7.65	7.73	a8.49	6.52	8.51	7.40	5.30	7.28	6.65	7.63	7.48
1923-24	7.14	8.88	8.57	10.2	11.2	11.9	18.1	22.9	19.5	11.3	10.9	11.5	12.7
1924-25	5.81	8.61	9.28	a7.44	7.90	6.75	7.31	a8.22	6.00	6.12	8.54	9.54	7.62
1925-26	7.65	7.23	6.44	7.88	7.48	9.12	16.2	15.8	11.8	9.40	7.46	7.99	9.54
1926-27	7.32	a7.99	6.39	a5.50	a7.30	7.39	8.11	7.98	11.9	6.24	5.35	4.89	7.18
1927-28	5.23	4.93	6.30	5.07	6.10	6.80	4.94	6.92	7.89	4.46	3.18	5.55	5.61
1928-29	4.04	3.66	4.18	5.69	3.74	5.25	a4.80	a8.39	4.66	5.41	a4.23	4.28	4.88
1929-30	3.64	4.56	-	-	-	-	-	-	-	-	-	-	-
Av...	7.72	7.68	7.37	7.93	8.17	8.07	9.46	10.0	9.42	7.66	6.98	7.36	8.11

a Partly estimated.
b Estimated.
c Record incomplete.
f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Guadalupe River Basin--Continued

Medina River near Pipe Creek

(Drainage area, 412 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1922-23	-	-	-	27.4	39.6	37.0	199	48.0	24.3	37.4	7.80	131	-
1923-34	a65.8	317	375	176	170	295	216	210	a120	70.7	37.5	39.6	174
1924-25	20.6	16.1	20.9	23.7	20.4	20.2	18.9	67.9	12.1	13.0	3.73	10.5	20.7
1925-26	127	90.5	28.6	34.1	30.5	54.0	306	197	85.6	131	41.4	14.6	95.3
1926-27	33.5	a44.6	a89.6	54.4	a228	a315	a198	95.6	a102	a33.5	12.4	8.3	102
1927-28	a22.8	a15.6	22.1	24.8	37.3	44.5	23.6	21.1	107	11.7	4.40	3.26	28.0
1928-29	a21.1	a9.98	a31.3	19.5	a16.3	18.1	15.4	413	78.5	87.5	11.8	15.4	62.2
1929-30	10.3	18.6	36.5	22.1	19.0	15.9	14.7	227	132	36.0	10.5	5.73	45.9
1930-31	367	93.0	89.0	203	307	272	486	596	a146	a249	63.1	26.8	242
1931-32	21.2	25.9	a47.8	50.8	69.4	109	a117	106	42.7	a1,690	150	435	241
1932-33	203	126	124	197	a150	134	106	81.0	44.4	a23.1	18.0	a20.4	102
1933-34	13.1	15.7	20.1	34.6	35.2	21.0	a70.9	24.0	5.24	a15.1	4.92	2.03	21.7
Av...	82.3	70.3	80.4	72.3	93.6	111	148	174	75.0	200	30.5	59.4	103

Medina River near Riomedina

1921-22	0	0	0	0	0	0	0	5.42	0	0	0	0	.46
1922-23	0	0	0	0	0	0	0	0	0	0	0	0	0
1923-24	0	0	7.95	5.24	1.20	14.6	24.9	23.3	20.6	3.30	0	1.83	8.58
1924-25	0	0	0	0	0	0	0	0	0	0	0	0	0
1925-26	0	0	0	0	0	0	66.8	21.7	0	0	0	0	7.33
1926-27	0	0	0	0	0	0	0	0	0	0	0	0	0
1927-28	0	0	0	0	0	0	0	0	0	0	0	0	0
1928-29	0	0	0	0	0	0	0	0	0	0	0	0	0
1929-30	0	0	0	0	0	0	0	0	0	0	0	0	0
1930-31	0	0	0	0	0	0	0	0	0	0	0	0	0
1931-32	0	0	0	0	0	0	0	0	0	0	0	0	0
1932-33	3.93	0	0	0	0	0	0	0	0	0	0	0	.33
1933-34	0	0	0	0	0	0	0	0	0	0	0	0	0
Av...	.30	0	.61	.40	.09	1.12	7.05	3.88	1.58	.25	0	.14	1.28

Note.- Records in the above table do not include seepage through dam. (See the table below.)

Medina River seepage past station near Riomedina

1921-22	-	-	-	-	22	23	24	25	24	24	23	23	-
1922-23	23	24	23	24	24	23	24	24	24	24	24	24	23.8
1923-24	27	27	27	27	27	27	27	27	27	27	27	27	27.0
1924-25	26	27	23	20	22	20	25	26	26	27	22	16	23.3
1925-26	22	26	27	20	20	23	25	26	25	25	25	25	24.1
1926-27	-	-	-	-	-	-	-	-	-	-	-	-	24.5
1927-28	-	-	-	-	-	-	-	-	-	-	-	-	24.3
1928-29	-	-	-	-	-	-	-	-	-	-	-	-	23.3
1929-30	21	20	21.1	19.9	19.1	19.9	22.3	22.2	22.2	21.4	23.6	24.2	21.4
1930-31	23.9	19.0	17.8	16.8	22.1	24.9	b25.3	b25.3	b25.3	b25.3	b25.3	b25.3	23.0
1931-32	-	-	-	-	-	-	-	-	-	-	-	-	24.7
1932-33	-	-	-	-	-	-	-	-	-	-	-	-	28.3
1933-34	-	-	-	-	-	-	-	-	-	-	-	-	31.0
Av...	-	-	-	-	-	-	-	-	-	-	-	-	24.9

Note.- Monthly discharge for 1927-29 and 1932-34 not sufficiently accurate for publication.

Medina canal near Riomedina

1921-22	-	-	-	-	-	-	19.8	18.9	36.4	72.6	59.3	47.6	-
1922-23	25.8	4.38	13.6	14.3	3.63	6.35	7.30	56.5	104	74.0	67.7	20.2	33.4
1923-24	10.4	3.99	1.36	7.11	6.54	8.09	13.4	a12.0	24.4	51.5	55.2	25.6	18.4
1924-25	29.8	20.2	11.0	19.9	34.5	78.6	74.6	57.0	118	88.5	42.0	0	47.9
1925-26	16.4	3.81	7.44	7.96	7.48	8.85	5.74	9.09	30.2	24.9	28.0	27.0	14.8
1926-27	a21.1	15.6	a8.14	14.5	8.48	9.94	a28.2	41.6	19.9	28.6	43.0	a30.6	22.6
1927-28	a25.7	a25.9	a12.2	14.4	6.47	a10.7	12.6	b11.5	a52.4	46.8	37.1	18.6	22.9
1928-29	a20.4	a17.8	a10.9	16.1	13.4	15.5	14.8	27.6	46.3	21.0	63.2	38.7	25.5
1929-30	35.7	20.0	17.8	10.5	13.6	16.1	24.8	13.3	39.1	a69.7	a81.4	51.5	32.9
1930-31	9.94	6.90	8.96	9.58	3.00	9.82	11.5	13.7	53.5	28.3	50.2	73.2	23.2
1931-32	54.4	36.9	12.4	11.2	12.3	14.3	53.6	34.8	72.3	39.1	44.6	17.6	33.6
1932-33	22.2	21.2	13.9	12.5	10.7	20.5	36.3	63.1	45.3	76.8	60.6	52.6	36.5
1933-34	53.7	51.5	48.2	15.7	11.2	19.1	25.0	-	-	-	-	-	-
Av...	27.1	19.0	13.8	12.8	10.9	18.2	25.2	29.9	53.5	51.8	52.7	33.6	28.3

a Partly estimated. b Estimated.

Monthly and annual mean discharge, in second-feet, at stations in the Guadalupe River Basin--Continued

Cibolo Creek at Sutherland Springs

(Drainage area, 665 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	-	-	-	-	-	-	-	24.7	19.7	18.9	-
1924-25	12.6	20.4	16.7	16.0	17.8	13.6	16.2	14.5	12.1	13.2	13.0	10.1	14.7
1925-26	37.7	21.4	13.3	19.0	16.1	71.5	1,870	122	32.1	16.4	13.9	11.0	186
1926-27	16.1	14.3	18.5	16.5	22.1	142	62.9	15.0	44.6	12.4	10.2	14.7	32.5
1927-28	35.7	11.0	13.0	14.9	14.0	14.1	16.6	142	178	11.6	7.84	9.18	39.0
1928-29	14.4	71.5	26.5	20.6	12.0	16.4	95.9	-	-	-	-	-	-

Cibolo Creek near Falls City

(Drainage area, 831 square miles)

1930-31	-	-	a11.5	a76.9	73.3	144	27.5	108	a50.4	b146	b13.4	a11.3	-
1931-32	8.49	8.08	12.1	87.7	128	51.6	128	56.9	a11.7	a15.7	9.63	35.6	45.7
1932-33	10.5	10.5	b13.0	13.3	14.3	13.0	20.0	200	10.5	a243	b34.1	a19.3	50.8
1933-34	14.4	10.3	11.5	95.2	44.5	87.8	209	20.0	9.12	273	16.0	16.5	67.6
1934-35	14.8	152	154	25.8	124	25.0	200	1,000	1,476	a74.0	b35.4	265	294
1935-36	45.9	27.2	69.0	26.0	24.6	40.2	28.5	395	37.0	895	a30.4	78.1	143
1936-37	53.8	32.1	30.0	30.1	26.3	43.8	28.7	16.8	a719	24.0	19.6	35.3	87.5

NUECES RIVER BASIN

Nueces River at Laguna

(Drainage area, 764 square miles)

1923-24	b300	544	235	148	119	126	142	90.2	a74.7	38.6	16.0	12.9	154
1924-25	14.6	18.4	23.9	31.5	41.9	40.0	32.1	641	a238	a79.1	36.9	41.9	104
1925-26	246	161	91.8	69.1	a66.3	b67.0	a73.6	107	48.1	531	129	49.4	138
1926-27	30.1	38.0	56.7	60.7	164	b120	142	60.3	b70.4	b67.0	29.0	14.9	70.3
1927-28	243	55.1	43.1	43.6	47.7	41.1	38.3	64.5	173	26.5	58.6	17.3	71.2
1928-29	54.6	42.8	36.5	32.6	31.0	29.8	28.3	290	114	111	34.4	33.6	70.4
1929-30	19.8	17.4	34.8	a37.0	38.7	33.0	26.8	37.3	784	81.8	a24.7	a19.8	95.5
1930-31	592	124	102	103	218	160	180	431	159	259	171	86.8	216
1931-32	63.5	63.2	67.4	64.8	60.3	82.6	82.5	a99.1	a52.8	761	244	1,850	290
1932-33	369	210	148	128	112	97.3	78.9	62.5	52.6	28.1	18.2	19.2	111

1933-34	23.4	23.6	a30.1	a32.3	34.8	37.6	b46.6	a55.8	27.0	16.2	11.1	9.21	29.0
1934-35	8.56	8.26	10.5	13.7	18.8	21.8	23.7	868	5,407	392	225	384	611
1935-36	163	120	118	101	86.8	87.1	78.8	81.4	130	150	65.1	2,257	284
1936-37	399	277	177	126	101	114	96.8	64.2	82.1	49.3	32.6	24.2	129
Av...	181	122	83.9	70.8	81.4	75.5	76.5	211	529	185	78.3	344	170

Nueces River near Uvalde

(Drainage area, 1,930 square miles; some of the water enters Balcones fault a few miles above station)

1927-28	-	6.81	4.12	4.00	4.20	3.83	3.43	5.55	41.5	4.81	5.75	5.33	-
1928-29	1.79	a1.41	a1.85	1.46	.67	1.54	.94	187	12.0	42.0	1.94	6.84	21.9
1929-30	11.7	1.74	1.07	.77	.85	.78	.56	.46	1,010	7.66	2.60	1.28	85.5
1930-31	a735	8.18	5.52	a4.63	59.9	37.0	46.5	457	75.1	191	83.2	17.4	145
1931-32	9.74	9.23	9.43	7.87	7.50	7.57	6.39	7.18	6.63	a2,530	52.6	5,800	701
1932-33	376	214	122	89.0	64.7	44.4	31.4	27.7	20.7	16.4	14.6	16.0	86.8
1933-34	13.8	12.0	10.7	8.76	11.4	9.28	5.60	7.32	6.00	6.55	5.47	5.30	8.50
1934-35	5.11	4.16	4.07	3.59	3.37	3.21	4.31	1,224	8,714	331	156	405	897
1935-36	124	57.4	52.4	41.8	32.8	35.3	24.0	22.0	(c)	(c)	36.5	(c)	-
1936-37	361	241	128	85.3	57.4	50.5	41.9	26.4	23.1	19.0	18.1	15.2	89.3
Av...	182	55.6	33.9	24.7	24.3	19.3	16.5	196	1,101	350	37.7	697	254

Nueces River near Cinonia

(Drainage area, 2,151 square miles)

1914-15	-	-	-	-	-	-	-	-	-	-	18.1	-	-
1915-16	44.8	21.8	17.2	14.3	18.4	16.6	47.3	71.1	14.2	37.5	78.5	22.7	33.9
1916-17	13.0	13.2	16.0	14.6	13.3	13.2	8.28	9.66	5.10	2.13	.26	.85	9.13
1917-18	1.05	2.09	4.06	4.11	4.18	2.79	1.56	50.9	7.99	0	1.76	.02	6.77
1918-19	86.3	12.3	19.7	110	13.6	8.18	14.3	56.8	18.5	46.2	242	3,370	330
1919-20	1,150	425	242	177	128	85.1	53.1	31.6	30.9	19.5	26.6	12.6	200
1920-21	14.2	15.9	14.4	17.0	16.0	32.7	28.1	24.0	17.9	6.34	2.32	3.98	16.1
1921-22	3.52	4.95	6.90	7.25	7.52	20.4	285	268	386	85.0	14.1	10.1	91.5
1922-23	21.0	13.4	14.0	13.7	18.9	24.8	17.6	9.23	26.1	4.03	.96	1,130	106
1923-24	125	553	156	93.0	44.1	33.6	43.1	35.4	41.0	18.5	10.5	8.90	96.5
1924-25	9.94	8.63	10.5	11.3	10.6	11.3	8.19	1,810	956	23.7	14.3	15.2	243
Av...	147	107	50.1	46.2	27.5	24.9	50.7	237	150	24.3	37.2	457	113

Note.- Records for September 1919, September 1923, and May and June 1925 not previously published and are of doubtful accuracy.

a Partly estimated. b Estimated. c Record incomplete.

Monthly and annual mean discharge, in second-feet, at stations in the Nueces River Basin--Continued

Nueces River near Cotulla

(Drainage area, 5,030 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1914-15	-	-	-	-	-	-	-	-	-	0	464	356	-
1915-16	133	4.63	0	.77	0	0	112	.45	167	38.3	4,330	535	448
1916-17	69.9	2.73	.23	0	0	0	0	22.6	1.97	21.7	3.37	122	20.4
1917-18	0	0	0	0	0	0	0	1,610	-	-	-	-	-

Nueces River at Cotulla

(Drainage area, 5,260 square miles. Some of the flow enters Balcones fault, which crosses the basin just north of Uvalde)

1923-24	b96.9	891	270	68.1	26.9	8.40	10.7	456	412	0	0	307	212
1924-25	9.66	0	32.6	2.21	0	9.16	1.93	36.8	4,900	42.6	319	447	478
1925-26	83.8	14.4	0	5.82	0	1.13	1,120	353	478	194	70.1	0	192
1926-27	197	4.83	0	0	44.5	1.71	40.3	.19	116	71.0	13.7	14.7	41.9
1927-28	1,290	.45	0	0	0	0	0	314	236	0	35.2	947	236
1928-29	52.1	0	0	0	0	98.6	a137	2,130	241	52.8	93.4	1,790	384
1929-30	79.1	3.44	162	.51	0	85.6	240	651	1,420	11.5	0	0	221
1930-31	457	119	.66	23.3	144	5.75	7.63	742	432	468	98.7	3.86	210
1931-32	0	0	0	0	54.4	a6.45	0	341	0	3,610	116	6,330	869
1932-33	941	237	150	155	125	69.3	53.9	18.0	4.30	0	0	0	147
1933-34	24.8	.57	0	13.0	14.3	.32	140	105	152	3.84	8.01	209	55.4
1934-35	56.0	228	65.6	26.1	0.35	11.3	260	2,130	10,680	1,679	479	1,640	1,430
1935-36	156	77.3	58.5	38.5	23.0	14.0	12.9	175	81.6	2,122	9.92	3,558	525
1936-37	901	255	153	83.5	43.2	35.8	a15.8	a1.25	202	.46	0	0	142
Av...	310	131	63.7	29.7	34.0	24.8	146	532	1,382	590	88.8	1,089	367

Nueces River near Three Rivers

(Drainage area, 15,600 square miles. Some of the flow enters Balcones fault)

1914-15	-	-	-	-	-	-	-	-	-	7.67	(c)	914	-
1915-16	848	21.1	4.95	4.31	1.25	.05	788	275	117	746	3,710	2,110	722
1916-17	436	232	3.54	24.1	3.19	.43	50.4	18.3	0	38.9	10.8	75.3	74.9
1917-18	.28	48.4	0	0	5.12	159	596	2,110	360	4.01	10.1	1,240	378
1918-19	1,890	1,790	1,930	1,200	788	2,110	1,970	2,090	2,410	2,990	1,810	(c)	-
1919-20	(c)	(d)	(d)	(d)	297	139	74.3	480	275	1,390	428	65.5	-
1920-21	40.2	94.3	11.8	11.9	11.1	888	1,200	478	814	103	11.8	1,190	403
1921-22	59.6	1.41	13.7	5.18	4.38	303	3,050	4,970	2,670	828	27.4	240	1,020
1922-23	241	1,080	12.2	14.6	3,700	3,030	2,170	130	28.7	76.7	804	3,730	1,230
1923-24	843	819	1,680	180	256	102	112	695	1,130	61.8	1.92	258	512
1924-25	121	.75	255	9.37	7.50	249	10.2	90.5	2,680	200	554	1,020	431
1925-26	637	397	11.8	142	13.6	434	894	2,160	510	939	279	10.0	541
1926-27	723	57.9	33.1	7.74	32.2	144	147	109	1,970	224	47.3	92.7	298
1927-28	1,920	6.08	11.6	4.08	13.4	45.7	37.4	1,760	808	37.3	240	347	439
1928-29	503	145	93.2	80.5	3.23	1,340	955	3,660	4,710	421	53.8	294	1,020
1929-30	923	46.3	240	14.2	8.56	125	854	3,410	3,510	698	.75	6.10	823
1930-31	463	357	8.76	216	872	52.0	79.0	2,350	682	1,950	503	9.05	630
1931-32	0	0	32.4	58.4	123	36.1	202	347	10.4	8,290	250	7,260	1,390
1932-33	2,420	301	182	187	196	117	68.8	88.5	297	204	255	403	396
1933-34	67.6	19.4	5.77	1,370	389	121	647	141	118	543	512	265	350
1934-35	331	1,688	299	127	467	261	1,149	3,447	25,230	2,089	2,313	5,148	3,519
1935-36	1,021	149	212	142	71.3	427	147	1,613	824	5,546	110	2,344	1,058
1936-37	2,995	484	316	204	135	123	75.7	79.4	369	58.4	273	106	439
Av...	785	368	255	191	336	464	694	1,386	2,251	1,193	555	1,233	784

Nueces River at Calallen

(Drainage area, 16,920 square miles)

1914-15	-	-	-	-	-	-	-	-	-	-	-	895	-
1915-16	693	72.9	32.9	16.1	21.8	12.1	561	164	118	778	1,890	2,800	598
1916-17	467	296	19.8	14.8	16.9	6.26	12.1	54.0	3.37	19.3	29.3	158	91.8
1917-18	5.04	52.6	4.6	3.7	5.5	203	260	2,240	823	39.9	51.3	769	374

Note.- Gage heights only are available after September 30, 1918.

a Partly estimated.
b Estimated.
c Record incomplete.
d No record.

Monthly and annual mean discharge, in second-feet, at stations in the Nueces River Basin--Continued

Frio River at Concan

(Drainage area, 485 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	313	177	177	95.6	125	145	159	104	a46.2	22.0	24.1	-
1924-25	25.8	27.8	28.8	28.4	34.6	34.0	32.1	78.8	45.4	19.8	17.7	27.3	33.4
1925-26	72.7	54.4	47.3	45.7	43.4	45.1	56.2	46.5	35.6	487	87.0	53.8	90.4
1926-27	53.8	39.4	51.8	49.8	164	155	115	78.7	63.7	54.3	36.0	26.2	73.3
1927-28	42.4	31.5	31.7	a32.0	33.6	33.2	31.4	37.5	a33.5	a15.6	41.5	25.2	31.4
1928-29	35.9	24.0	24.2	24.2	20.8	20.0	16.6	66.9	46.2	65.2	19.2	23.2	32.4
1930-31	407	99.0	84.8	110	198	161	216	423	155	376	146	78.7	205
1931-32	118	71.5	73.5	78.3	92.9	126	97.4	127	75.1	2,140	190	879	341
1932-33	a363	a177	a133	134	108	93.2	76.8	71.4	58.4	39.5	35.9	38.6	111
1933-34	32.4	34.7	35.6	42.6	38.8	38.2	63.8	66.2	23.6	17.6	15.9	10.8	35.0
1934-35	10.6	12.2	19.9	24.3	29.1	24.6	32.2	655	a1,750	a471	240	408	306
1935-36	a172	118	129	113	96.4	87.3	90.9	95.3	95.0	88.7	56.0	965	174
1936-37	396	270	165	129	110	118	92.1	67.9	86.8	50.3	33.6	29.1	129
Av...	144	97.9	77.0	71.4	81.9	81.6	82.0	152	198	298	72.4	199	130

Frio River near Frio Town

(Drainage area, 1,465 square miles)

1923-24	-	-	-	-	-	-	-	24.7	21.8	.05	0	0	-
1924-25	0	0	0	0	0	0	0	(f)	0	0	0	0	-
1925-26	28.6	0	0	0	0	0	1,440	0	0	230	0	0	116
1926-27	0	0	0	0	0	0	12.3	0	13.2	44.3	0	0	5.86

Frio River near Derby

(Drainage area, 3,493 square miles. Some of the flow enters Balcones fault, which crosses the Nueces River Basin just north of Uvalde)

1914-15	-	-	-	-	-	-	-	-	-	-	116	303	-
1915-16	18.2	0	0	0	0	0	1,040	224	.47	5.29	40.4	21.0	111
1916-17	70.4	0	0	0	0	0	0	0	3.90	.89	0	46.5	10.2
1917-18	0	1.28	0	0	0	0	44.6	313	0	0	5.29	3.47	31.1
1918-19	317	.19	443	489	22.0	92.1	30.4	347	700	990	2,040	3,250	730
1919-20	1,810	674	108	72.5	63.7	32.3	13.9	122	6.95	7.48	20.2	3.55	247

1920-21	3.62	8.54	7.46	7.30	7.99	69.6	22.8	13.7	165	1.84	0	83.1	32.4
1921-22	1.95	0	0	.01	.65	27.6	827	1,090	126	6.03	.29	0	174
1922-23	12.8	34.1	2.66	3.37	22.8	25.8	102	8.52	6.41	7.06	0	395	51.0
1923-24	21.1	84.4	62.8	23.8	9.47	15.8	83.4	32.8	289	2.81	.50	2.09	51.9
1924-25	.35	.87	13.7	4.78	2.47	2.17	1.34	34.7	9.46	1.47	0	0	6.00
1925-26	3.09	0	0	0	.07	1.65	1,070	97.8	56.0	173	15.3	0	117
1926-27	12.6	0	0	.71	1.33	1.46	21.1	0	83.2	27.7	.15	0	12.3
1927-28	0	0	0	0	0	0	0	621	120	14.5	49.3	3.53	20.8
1928-29	0	0	0	0	0	0	32.0	769	28.7	101	0	1.11	78.9
1929-30	0	0	15.8	.44	.38	.58	23.1	69.4	380	.12	0	0	40.5
1930-31	318	1.02	.94	5.94	64.2	9.59	4.11	1,080	12.3	287	2.72	.23	151
1931-32	3.73	.03	.12	.18	.63	.36	.25	20.8	.33	8,940	41.2	1,870	917
1932-33	342	57.9	31.1	57.5	48.6	34.6	20.6	15.4	8.54	4.57	5.91	7.03	53.2
1933-34	6.71	8.69	12.5	22.1	14.8	10.8	68.0	9.45	0.33	0.90	0.62	0.14	12.8
1934-35	15.8	20.4	17.3	.92	3.60	1.94	30.0	2,320	8,069	1,820	162	624	1,087
1935-36	93.0	27.0	49.2	46.1	34.9	29.5	62.4	97.4	46.5	611	12.1	1,195	191
1936-37	432	124	77.5	59.1	51.7	a53.5	a40.9	a25.3	a72.1	a16.4	a11.4	14.1	81.9
Av...	158	47.4	38.3	36.1	15.9	18.6	161	332	463	592	110	340	191

Frio River at Fowlerton

(Drainage area, 4,224 square miles)

1914-15	-	-	-	-	-	-	-	-	-	0	29.4	205	-
1915-16	8.77	0	0	0	0	0	500	106	7.31	16.9	95.9	31.1	63.4
1916-17	31.5	0	0	0	0	0	0	0	0	0	0	20.0	4.32
1917-18	0	0	0	0	0	0	11.6	164	0	0	0	2.07	15.0
1918-19	(c)	(c)	257	250	(c)	191	66.7	161	389	753	(c)	-	-

Note.- The discharge of Frio Lake outlet near Fowlerton should be added to the above records in order to obtain total flow of Frio River.

Frio River at Calliham

(Drainage area, 5,491 square miles. Some of the flow enters Balcones fault)

1924-25	a.40	0	11.4	a.66	b.20	150	a1.47	a35.9	a4.76	a52.5	a114	57.2	36.2
1925-26	36.1	284	1.99	52.4	2.10	269	849	-	-	-	-	-	-
1931-32	-	-	-	-	-	-	-	a8.64	a3.71	a6,740	a147	a1,810	-
1932-33	520	82.3	35.7	63.6	63.3	37.7	22.5	20.3	41.9	27.7	40.6	55.2	84.8
1933-34	4.23	6.34	6.95	210	91.8	29.7	281	22.5	a25.9	280	30.0	25.7	84.4
1934-35	125	403	107	24.1	182	57.5	163	2,047	9,250	1,149	505	1,401	1,277
1935-36	211	a63.1	74.3	63.9	47.6	46.5	67.7	a282	a398	2,286	47.2	439	338
1936-37	844	138	90.9	69.3	56.9	65.1	41.0	28.2	147	18.8	7.01	26.6	129

a Partly estimated.
b Estimated.
c Record incomplete.
f One or more days above limit for which rating curve is defined.

Monthly and annual mean discharge, in second-feet, at stations in the Nueces River Basin--Continued

Leona River near Divot

(Drainage area, 565 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	-	-	-	-	-	-	-	17.8	110	1.46	0	0	-
1924-25	0	0	22.6	6.65	1.72	0	0	27.7	7.41	0	0	0	5.58
1925-26	0	0	0	0	0	0	187	37.9	88.5	1.17	22.5	0	27.9
1926-27	12.8	0	0	0	0	0	a8.3	0	3.40	(c)	(c)	(c)	-
1927-28	0	0	0	0	0	0	0	5.23	56.2	15.4	3.36	4.91	7.05
1928-29	-	-	-	-	-	-	0	287	.17	0	0	17.0	-

Frio Lake outlet near Fowlerton

1914-15	-	-	-	-	-	-	-	-	-	0	13.5	165	-
1915-16	10.1	0	0	0	0	0	425	79.0	1.16	4.92	68.6	15.5	50.0
1916-17	14.4	0	0	0	0	0	0	0	0	0	0	1.19	1.32
1917-18	12.9	0	0	0	0	0	6.72	149	0	0	0	0	14.3
1918-19	-	-	183	195	-	129	55.0	102	235	443	-	-	-

Note.- Water is diverted from the river to Frio Lake 1½ miles above the station on Frio River at Fowlerton, and this water is released later for irrigation. The station was maintained in conjunction with the one on Frio River at Fowlerton to show the total flow at point of diversion.

Atascosa River at Whitsett

(Drainage area, 1,171 square miles)

1924-25	-	-	-	-	-	-	-	-	-	-	-	-	21.4
1925-26	49.2	62.5	10.2	39.5	5.91	104	72.0	-	-	-	-	-	-
1931-32	-	-	-	-	-	-	-	-	a.56	42.0	a62.7	161	-
1932-33	29.3	3.61	9.16	9.46	16.1	9.78	11.5	a20.0	a10.3	a34.5	a72.2	a27.8	21.3
1933-34	.65	13.1	2.16	264	106	68.9	a157	b6.30	a1.53	33.1	2.29	15.6	55.6
1934-35	35.5	110	114	14.1	160	46.3	176	551	3,445	53.4	12.4	1,010	472
1935-36	72.6	22.1	42.0	24.3	16.9	82.0	14.1	795	a169	b744	44.0	69.1	177
1936-37	37.3	14.3	15.5	15.5	11.8	13.0	8.88	13.9	53.5	21.9	1.24	.13	17.3

RIO GRANDE BASIN

Pecos River near Angeles

1913-14	-	-	-	-	-	-	-	-	983	1,300	412	400	-
1914-15	363	489	469	416	425	475	5,180	603	340	311	466	970	870
1915-16	517	234	211	230	-	-	228	413	184	195	-	354	-
1916-17	473	258	331	458	241	174	191	161	126	129	157	298	250
1917-18	148	150	170	188	180	146	147	101	130	134	160	159	151
1918-19	150	166	194	211	209	2,340	1,450	1,310	1,770	1,280	422	2,930	1,040
1919-20	1,100	351	347	577	522	291	188	206	531	247	251	250	405
1920-21	266	242	258	271	243	179	156	160	3,670	1,110	1,180	258	665
1921-22	289	303	305	264	275	195	323	256	275	189	129	142	245
1922-23	156	148	127	148	170	207	102	105	151	97.4	158	420	165
1923-24	1,390	494	576	563	414	306	136	142	153	146	135	178	387
1924-25	179	185	158	137	132	128	95.8	112	81.3	142	1,320	943	303
1925-26	320	345	304	261	184	171	110	948	669	628	220	362	378
1926-27	453	411	366	397	311	196	118	119	108	101	92.8	155	235
1927-28	156	154	160	169	187	138	106	124	102	176	801	212	208
1928-29	421	611	418	241	190	184	121	209	114	139	147	188	249
1929-30	332	307	311	367	196	139	122	160	180	98.2	111	154	207
1930-31	1,270	405	284	305	291	223	313	963	229	118	203	161	399
1931-32	212	278	317	331	310	237	124	493	352	182	166	1,200	349
1932-33	2,120	424	399	408	359	272	129	138	95.9	90.2	97.8	309	405
1933-34	208	247	229	179	122	144	103	149	102	54.7	62.8	89.9	141
1934-35	115	104	113	115	81.4	84.7	57.2	112	547	74.9	79.0	563	170
1935-36	214	263	a261	a270	203	130	a68.9	a220	b98.2	a107	73.6	a277	182
1936-37	b158	a174	a169	b158	149	150	93.8	506	a7,083	253	290	559	805
Av...	479	293	282	290	245	296	420	335	753	304	310	480	373

Pecos River near Porterville

1921-22	-	-	-	-	280	180	272	243	231	167	101	133	-
1922-23	150	143	132	139	168	171	118	92.6	140	96.1	141	480	164
1923-24	1,190	568	565	509	373	296	125	123	132	132	110	165	358
1924-25	160	165	152	142	144	125	62.9	110	69.6	80.2	968	706	241
1925-26	317	342	325	319	236	188	111	751	703	-	-	-	-

a Partly estimated. b Estimated. c Record incomplete.

Monthly and annual mean discharge, in second-feet, at stations in the Rio Grande Basin--Continued

Pecos River 9 miles above Barstow

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1915-16	-	-	-	-	-	175	108	310	83.2	69.7	1,180	(c)	-
1916-17	339	230	322	589	310	157	94.5	81.8	69.3	55.5	59.7	150	205
1917-18	76.6	87.0	110	106	124	76.2	65.4	56.1	53.2	47.1	54.2	64.6	76.4
1918-19	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	-
1919-20	1,340	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	170	-	-
1920-21	(c)	237	(c)	(c)	151	142	(c)	-	-	-	-	-	-

Note.- Station located 9 miles (not 14 as previously published) northwest of Barstow, 1¼ miles above headgates of Barstow Canal.

Pecos River above Barstow

1921-22	-	-	-	-	-	-	108	75.1	a47.5	2.24	0.55	1.04	-
1922-23	18.0	66.3	52.1	44.2	102	36.1	1.81	.35	1.46	.23	4.65	129	37.4
1923-24	a982	454	523	a494	255	130	1.54	1.15	.74	.60	.43	4.14	238
1924-25	11.6	35.5	35.7	13.6	10.3	1.06	.35	.60	.66	.45	a584	a422	93.5
1925-26	a231	(c)	(c)	(c)	(c)	17.7	6.71	-	-	-	-	-	-

Note.- Station 8 miles (not 10 miles as previously published) above Barstow, 400 feet below headgates of Barstow Canal and about half a mile below pumping plant for Boxley Canal.

Pecos River near Pecos

1898-99	-	-	-	320	304	130	84.7	33.9	31.5	369	217	132	-
1899-1900	76.2	164	357	464	351	99.2	29.3	698	319	184	283	1,190	351
1900-1	1,080	369	138	-	-	-	-	-	-	150	633	675	-
1901-2	213	1,540	264	381	304	-	-	-	-	-	383	167	-
1902-3	112	102	205	351	303	172	49.0	30.5	1,070	113	47.4	44.2	217
1903-4	50.3	58.8	77.5	56.7	48.9	18.4	9.2	62.7	44.3	14.4	94.4	291	69.0
1904-5	-	-	-	340	682	1,370	596	1,090	1,240	3,550	1,660	(c)	-
1905-6	(c)	592	764	643	568	196	343	355	279	622	277	120	-
1906-7	129	208	843	531	337	185	12.3	29.9	231	-	-	-	-

Note.- Records January to June 1901, March to July 1902, and October to December 1904 not sufficiently accurate for publication.

148237 O—39——10

Pecos River near Barstow

1913-14	-	-	-	-	-	-	-	567	1,210	862	166	378	-
1914-15	341	360	421	325	250	291	(c)	(c)	184	(c)	-	-	-

Note.- Station located 4 miles below Barstow.

Pecos River near Grandfalls

1915-16	-	-	-	101	34.0	17.5	12.5	56.7	8.82	16.7	1,090	675	-
1916-17	234	111	213	309	68.3	41.9	28.4	19.3	15.8	20.4	14.0	24.9	92.3
1917-18	9.56	8.50	6.04	4.04	3.41	2.79	17.3	3.28	8.08	6.53	13.0	16.9	8.28
1918-19	15.8	11.4	10.6	9.16	a53.5	997	935	821	a1,270	a886	a221	a1,990	601
1919-20	(c)	621	(c)	653	(c)	121	35.8	31.0	(c)	(c)	(c)	(c)	-
1920-21	57.1	169	206	245	81.2	19.0	15.0	(c)	(c)	(c)	(c)	(c)	-
1921-22	(c)	(c)	(c)	(c)	4.78	3.58	95.9	47.5	110	14.5	19.5	86.5	-
1922-23	22.1	73.6	37.4	9.76	11.7	11.3	11.2	6.95	5.24	2.89	4.92	75.0	22.6
1923-24	671	216	368	290	102	a67.7	4.61	2.50	3.49	a5.68	3.45	11.6	147
1924-25	13.7	4.25	2.38	1.51	3.89	1.15	1.69	1.99	1.82	3.51	a456	a137	52.9
1925-26	(c)	(c)	61.7	48.5	17.9	29.7	-	-	-	-	-	-	-
Av...	146	152	113	167	38.1	119	116	110	178	120	228	377	154

Pecos River near Buena Vista

1921-22	-	-	-	91.5	71.3	73.8	127	96.0	110	45.3	34.1	29.2	-
1922-23	31.3	32.5	39.4	37.1	37.9	37.7	a37.0	28.5	30.3	18.1	28.6	85.0	36.8
1923-24	518	197	306	a303	116	133	100	48.4	27.3	26.3	25.6	a23.9	153
1924-25	27.3	30.2	a27.4	a27.1	25.0	24.0	22.3	23.7	26.0	16.3	350	216	68.3
1925-26	177	144	112	(c)	(c)	(c)	(c)	(c)	-	-	-	-	-

Pecos River near Sheffield

1921-22	-	164	a171	138	96.5	183	170	142	a174	80	42.3	45.3	-
1922-23	b59.9	b62.2	b65.0	b64.2	b63.4	b58.6	a105	a56.4	47.3	29.3	61.6	117	65.6
1923-24	551	260	a310	386	136	174	131	98.3	46.3	a39.8	b31.6	b42.5	185
1924-25	b45.0	b52.7	b55.0	b55.0	b50.0	b48.0	b40.0	-	-	-	-	-	-

a Partly estimated.
b Estimated.
c Record incomplete.

Monthly and annual mean discharge, in second-feet, at stations in the Rio Grande Basin--Continued

Delaware River near Angeles

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1913-14	-	-	-	-	-	-	-	-	-	12.1	12.3	4.21	-
1914-15	3.36	7.68	2.36	1.92	3.71	6.01	(c)	(c)	11.0	-	-	-	-

Farmers Independent canal near Porterville

1921-22	-	-	-	-	-	23.7	50.6	59.2	59.0	48.9	39.5	42.8	-
1922-23	a46.8	45.2	22.7	23.0	36.5	27.1	a33.0	a35.4	a46.8	33.1	a42.7	42.9	36.2
1923-24	a39.1	23.8	a1.58	.16	0	23.5	44.1	47.1	a41.2	a40.3	a56.7	a40.1	29.9
1924-25	25.4	22.2	7.73	0	44.4	35.6	34.6	28.5	16.5	-	-	-	-

Margueretta flume near Pecos

1902-3	-	-	-	91	102	70	91	83	100	180	98	65	-
1903-4	81	110	104	100	124	60	55	48	72	69	144	66	86
1904-5	(c)	(d)	(d)	(d)	(d)	(c)	216	288	269	182	(d)	(c)	-
1905-6	(c)	(c)	23.1	22.3	26.4	114	167	178	148	142	180	122	-
1906-7	103	47.9	14.6	2.0	10.3	117	99.7	59.7	91.1	-	-	-	-

Note.- Only gage heights available 1898-1902.

Boxley canal near Barstow

1923-24	-	-	-	-	-	-	3.72	1.32	1.13	3.36	7.05	0.93	-
1924-25	0.44	0	0	3.73	4.86	3.18	5.57	3.66	3.24	2.84	4.00	0	2.61

Barstow canal near Barstow

1921-22	-	-	-	-	-	130	83.5	90.3	82.0	83.7	36.7	58.7	-
1922-23	79.1	43.0	58.0	26.3	56.2	91.6	69.3	34.5	62.2	22.2	38.9	148	60.6
1923-24	72.6	46.1	40.1	53.3	99.9	88.5	67.2	82.7	66.8	60.5	25.8	97.3	66.5
1924-25	93.8	74.5	90.6	80.7	76.4	77.2	26.2	32.4	25.1	15.6	175	142	75.9

Madera Canyon near Toyahvale

(Drainage area, 54 square miles)

1931-32	-	-	-	-	-	-	-	-	-	-	40.4	206	-
1932-33	37.5	a1.56	a1.35	.47	.22	.16	0	0	.96	.30	18.0	38.3	8.28
1933-34	1.12	.06	0	0	0	0	0	.15	.81	.71	1.14	0	.34
1934-35	0	0	0	0	0	0	0	0	1.41	2.30	1.61	5.25	.88
1935-36	.12	.003	0	0	0	0	0	16.5	2.75	.06	.07	50.5	5.78
1936-37	6.66	.93	.91	.13	.04	0	0	.30	1.33	0	1.57	1.92	1.16

Phantom Lake Spring near Toyahvale

1931-32	-	-	-	13.0	15.3	18.3	a14.4	b13.5	12.8	12.8	12.7	34.3	-
1932-33	62.3	24.8	19.7	17.9	16.9	16.0	16.0	16.3	15.2	14.3	14.7	a35.1	22.5
1933-34	17.2	a15.9	a16.0	-	-	-	-	-	-	-	-	-	-

Giffin Spring at Toyahvale

1931-32	-	3.89	3.61	3.88	4.55	4.61	4.70	4.61	4.65	4.64	4.64	a5.06	-
1932-33	b6.10	b5.90	b5.60	b5.29	a4.94	a5.07	5.00	4.94	4.94	4.81	4.70	-	-

San Solomon Spring at Toyahvale

1931-32	-	a35.0	a36.2	a33.3	30.9	34.1	32.3	32.1	32.5	32.9	32.7	57.0	-
1932-33	68.9	62.2	50.1	42.6	40.5	38.1	36.0	36.5	a35.3	36.6	35.4	54.8	44.7
1933-34	a47.4	41.0	40.0	-	-	-	-	-	-	-	-	-	-

West Sandia Spring at Balmorhea

1931-32	-	-	1.13	1.10	a1.21	1.29	a1.21	a1.11	a1.12	1.06	1.03	a1.61	-
1932-33	a1.89	1.72	a1.68	a1.66	1.63	1.47	1.28	a1.20	1.15	1.10	-	-	-

East Sandia Spring at Balmorhea

1931-32	-	-	1.06	1.10	1.22	1.27	1.20	1.20	1.05	1.07	1.04	1.35	-
1932-33	1.35	1.23	1.21	1.28	1.34	1.32	1.30	1.16	1.09	1.00	.92	-	-

Note.- All figures of mean monthly discharge partly estimated.

a Partly estimated.
b Estimated.
c Record incomplete.
d No record.

Monthly and annual mean discharge, in second-feet, at stations in the Rio Grande Basin--Continued

Limpia Creek near Fort Davis

(Drainage area, 288 square miles)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1924-25	-	-	-	-	-	0	0	9.97	0	0	38.7	31.8	-
1925-26	4.28	0.85	0.32	0.13	a0.67	0.70	(c)	(c)	(c)	(c)	a1.06	b1.30	-
1926-27	b.50	b.50	b.50	a.47	.56	.18	.14	0	.11	4.70	0	3.25	0.91
1927-28	0	0	0	0	0	0	a0	b0	b0	15.2	88.9	12.6	9.85
1928-29	1.11	.62	a.47	.13	0	b3.10	b.49	3.66	.49	2.17	1.33	a.13	1.16
1929-30	2.99	.10	.14	.03	0	0	0	a1.16	.92	2.01	7.22	0	1.24
1930-31	4.81	0	0	.01	.10	.09	.24	a.86	.37	.49	a19.2	0	2.22
1931-32	.02	0	0	0	8.92	.36	.26	1.08	12.5	2.73	-	-	-

Barrilla Creek near Saragosa

1924-25	-	-	-	0	0	0	31.7	32.4	1.72	35.0	51.2	29.5	-
1925-26	0	0	0	0	0	0	0	9.25	0	-	-	-	-
1931-32	-	-	-	-	-	-	-	-	-	1.72	208	-	-

Grandfalls-Big Valley canal near Barstow

1921-22	-	-	-	-	-	-	-	68.4	40.9	24.7	5.71	25.2	-
1922-23	3.26	0	33.7	94.8	142	102	60.3	32.5	35.5	19.9	21.9	81.1	51.7
1923-24	49.0	132	178	a164	a177	153	67.8	29.0	4.60	23.7	18.2	6.97	83.4
1924-25	0	47.5	98.5	69.7	63.6	56.6	33.4	25.8	22.3	17.0	-	-	-

Imperial high-line canal near Grandfalls

1921-22	-	-	-	-	-	-	53.3	77.8	-	13.1	8.35	0	-
1922-23	32.8	.03	a30.5	6.25	a5.90	5.82	4.37	1.12	0	0	5.00	a24.2	9.72
1923-24	125	171	11.1	8.41	40.8	9.04	9.03	20.2	21.2	a1.09	.49	108	34.7
1924-25	74.3	45.3	10.3	6.77	8.13	6.67	5.44	3.84	1.98	-	-	-	-

Imperial low-line canal near Grandfalls

1921-22	-	-	-	-	-	-	36.3	(c)	(c)	a1.31	0	0	-
1922-23	6.13	51.1	14.8	0	0	0	.14	0	0	0	.39	6.60	6.56
1923-24	87.4	72.4	47.7	93.4	77.5	4.44	11.4	9.66	a11.9	a4.94	3.34	(c)	-
1924-25	(c)	5.69	a6.19	6.40	3.70	5.95	3.86	2.83	1.60	-	-	-	-

Devils River near Juno

(Drainage area, 2,733 square miles)

1924-25	-	-	-	-	-	-	-	-	a189	125	115	106	-
1925-26	106	99.5	92.1	89.6	83.5	82.1	79.3	84.9	82.0	83.1	76.0	76.2	86.2
1926-27	101	85.2	97.9	88.6	88.1	90.7	136	85.1	80.1	71.9	67.3	501	124
1927-28	341	98.7	86.9	81.5	75.6	72.7	76.5	209	558	121	103	108	161
1928-29	104	96.9	94.4	94.2	86.2	85.9	82.3	74.0	133	376	105	83.4	118
1929-30	76.4	76.2	75.0	67.8	62.7	63.2	65.4	56.5	72.5	66.8	55.5	55.1	66.1
1930-31	2,900	131	117	108	111	97.4	225	225	170	134	123	112	376
1931-32	114	100	90.1	88.8	86.5	80.3	75.2	75.8	74.6	111	78.5	a4,390	a441
1932-33	a346	233	206	178	168	159	150	149	140	130	122	118	175
1933-34	114	108	105	104	98.6	97.6	95.6	90.5	225	91.1	88.2	89.5	109
1934-35	79.7	78.3	75.2	70.6	68.3	67.9	144	1,122	2,064	193	127	2,645	558
1935-36	170	152	146	141	131	123	116	120	126	571	124	2,463	363
1936-37	157	142	127	118	116	108	102	93.1	160	95.4	83.3	79.8	115
Av...	384	117	109	103	98.0	94.0	112	199	313	167	97.5	833	224

a Partly estimated. b Estimated. c Record incomplete.

INDEX

Page
Agencies other than Geological Survey, records in Texas collected by..... 34-37
Alazan Creek, maximum discharge of..... 53
Amarillo, Canadian River near..... 55
Angeles, Delaware River near..... 140
  Pecos River near..... 137
Angelina River, bibliography for..... 5
  maximum and minimum discharge of..... 38
  monthly discharge of, at Horger..... 65
    near Lufkin..... 65
Apache Creek, maximum discharge of..... 53
Aquilla, Aquilla Creek near..... 87
Aquilla Creek, bibliography for..... 11
  maximum and minimum discharge of.....41, 50
  monthly discharge of, near Aquilla..... 87
Archer City, Little Wichita River near..... 57
Arthur City, Red River at..... 56
Aspermont, Double Mountain Fork of Brazos River near..... 78
  Salt Fork of Brazos River near..... 84
Atascosa River, bibliography for..... 27
  maximum and minimum discharge of.....46, 54
  monthly discharge of, at Whitsett..... 136
Attoyac Bayou, bibliography for..... 5
  maximum and minimum discharge of..... 38
  monthly discharge of, near Chireno..... 66
Austin, Barton Creek at..... 112
  Barton Springs at, discharge measurements of.....113-114
  Colorado River at..... 98-99
  evaporation at and near, bibliography for..... 15
  Little Walnut Creek near..... 116
  Mill Spring at, discharge measurements of..... 115
Ayish Bayou, bibliography for..... 6
  maximum and minimum discharge of..... 39
  monthly discharge of, at San Augustine..... 66

Ballinger, Colorado River at..... 95
  Elm Creek at..... 102
Balmorhea, East Sandia Spring at..... 141
  West Sandia Spring at..... 141
Barrilla Creek, bibliography for..... 32
  maximum and minimum discharge of..... 48
  monthly discharge of, near Saragosa..... 142
Barstow, Barstow canal near..... 140
  Boxley canal near..... 140
  Grandfalls-Big Valley canal near..... 142
  Pecos River above..... 138
  Pecos River near..... 139
Barstow canal, bibliography for..... 32
  monthly discharge of, near Barstow..... 140
Barton Creek, bibliography for..... 19
  monthly discharge of, at Austin..... 112
Barton Springs, bibliography for..... 19
  discharge measurements of.....113-114
Bear Creek (Colorado River Basin), maximum discharge of..... 51
Bear Creek (Guadalupe River Basin), maximum discharge of..... 52
Belton, Leon River near..... 89
Ben Arnold, North Elm Creek near..... 92
Bibliography..... 2-34
Big Aguja Canyon, bibliography for..... 32
  maximum discharge of..... 54
Big Elm Creek, bibliography for..... 13
  maximum and minimum discharge of..... 42
  monthly discharge of, near Buckholts..... 92
    near Temple..... 92
Big Sandy Creek, maximum and minimum discharge of..... 39
  monthly discharge of, near Bridgeport..... 73
Big Valley canal. See Grandfalls-Big Valley canal.
Blanco River, bibliography for..... 22
  maximum and minimum discharge of.....45, 52
  monthly discharge of, at Wimberley..... 124
Blum, Nolands River at..... 87
Bon Wier, Sabine River near..... 61
Bosque River, maximum discharge of..... 50
Boxley canal, bibliography for..... 32
  monthly discharge of, near Barstow..... 140
Brady Creek, maximum discharge of..... 51

Page
Brays Bayou, bibliography for.... 8
maximum and minimum discharge of.... 40
monthly discharge of, at Houston.... 78
Brazos, Brazos River at.... 80
Brazos River, bibliography for.... 9-10
Clear Fork of, bibliography for.... 10-11
maximum and minimum discharge of.... 41
monthly discharge of, at Crystal Falls.... 85
at Fort Griffin.... 85
at Nugent.... 84-85
near Crystal Falls.... 86
near Eliasville.... 86
Double Mountain Fork of, bibliography for.... 9
maximum and minimum discharge of....40, 49
monthly discharge of, near Aspermont.... 78
maximum and minimum discharge of.... 40-41
monthly discharge of, at Brazos.... 80
at Richmond.... 84
at Rosenberg.... 83
at Seymour.... 79
at Waco.... 81-82
near Bryan.... 82-83
near Glen Rose.... 80-81
near Graham.... 79
near Mineral Wells.... 80
near Palo Pinto.... 79
Salt Fork of, bibliography for.... 10
maximum and minimum discharge of.... 41
monthly discharge of, near Aspermont.... 84
Brazos Valley Irrigation Co.'s canal, bibliography for.... 13
monthly discharge of, near Fulshear.... 93
Bridgeport, Big Sandy Creek near.... 73
West Fork of Trinity River at.... 66-67
Bronte, Colorado River near.... 94
Brownwood, Pecan Bayou at....106-107
Brushy Creek, bibliography for.... 13
maximum and minimum discharge of....42, 50
monthly discharge of, at Coupland.... 92
Bryan, Brazos River near.... 82-83
Buckholts, Big Elm Creek near.... 92
Buena Vista, Pecos River near.... 139
Buffalo Bayou, bibliography for.... 8
maximum and minimum discharge of....40, 49
monthly discharge of, at Houston.... 77
Bunton Branch, maximum discharge of.... 52
Burkburnett, Red River near.... 55

Calallen, Nueces River at.... 133
Calaveras, San Antonio River at.... 126
Calliham, Frio River at.... 135
Cameron, Little River at.... 89-90
Canadian River, bibliography for.... 3
maximum and minimum discharge of.... 37
monthly discharge of, near Amarillo.... 55
Canyon, Prairie Dog Town Fork of Red River near.... 55
Carlsbad, North Concho River near.... 105
Carrollton, Elm Fork of Trinity River near.... 74-75
Castell, Llano River near.... 111
Cedar Creek, maximum discharge of.... 49
Cedarvale canal, bibliography for.... 32
Chacan Creek, maximum discharge of.... 54
Chambers Creek, bibliography for.... 8
maximum and minimum discharge of.... 39
monthly discharge of, near Emhouse.... 76
Cherry Canyon, bibliography for.... 32
maximum discharge of.... 54
Childress Creek, maximum discharge of.... 50
Chilton, Deer Creek at.... 88
Chireno, Attoyac Bayou near.... 66
Christoval, South Concho River at.... 102
Cibolo Creek, bibliography for.... 24
maximum and minimum discharge of....45, 53
monthly discharge of, at Sutherland Springs.... 130
near Falls City.... 130
Cinonia, Nueces River near.... 131
Circleville, San Gabriel River at.... 91
Clear Fork of Brazos River. See Brazos River.
Clear Fork of Trinity River. See Trinity River.
Clifton, North Bosque River near.... 87

Page
Coleto Creek, bibliography for..... 23
maximum and minimum discharge of..... 45
monthly discharge of, near Schroeder..... 125
Colorado, Colorado River at..... 94
Colorado River, bibliography for..... 13-15
maximum and minimum discharge of.....42-43, 50
monthly discharge of, at Austin..... 98-99
at Ballinger..... 95
at Colorado..... 94
at Columbus..... 100
at Marble Falls..... 97
at Smithville..... 99
at Wharton..... 101
near Bronte..... 94
near Eagle Lake..... 101
near Milburn..... 96
near Robert Lee..... 94
near San Saba..... 96-97
near Tow..... 97
Colston Draw, maximum discharge of..... 51
Columbus, Colorado River at..... 100
Comal River, bibliography for..... 21
maximum and minimum discharge of..... 44
monthly discharge of, at New Braunfels..... 120
Comal Springs, bibliography for..... 21
discharge measurements of..... 121
Comfort, Guadalupe River near.....116-117
Concan, Frio River at..... 134
Concho River, bibliography for..... 16
maximum and minimum discharge of..... 43
monthly discharge of, near Paint Rock..... 104
near San Angelo..... 103
Conroe, San Jacinto River near..... 77
Cooperation in investigations..... 2
Copperas Creek, maximum discharge of..... 51
West Fork of, maximum discharge of..... 51
Cotulla, Nueces River at..... 132
Nueces River near..... 132
Coupland, Brushy Creek at..... 92
Cowhouse Creek, bibliography for..... 12
maximum and minimum discharge of..... 41
monthly discharge of, near Killeen..... 90
Coyanosa Draw, maximum discharge of..... 54
Crowell, Pease River near..... 57
Crystal Falls, Clear Fork of Brazos River at..... 85
Clear Fork of Brazos River near..... 86
Cuero, Guadalupe River below..... 119
Guadalupe River near..... 119
Cypress Creek, bibliography for..... 4
maximum and minimum discharge of..... 37
monthly discharge of, near Jefferson..... 58-59

Dallas, Elm Fork of Trinity River near..... 75
Trinity River at..... 69-70
Darden, Sulphur River near..... 58
Deep Creek, bibliography for..... 16
maximum and minimum discharge of..... 43
monthly discharge of, near Snyder..... 101
Deer Creek, bibliography for..... 11
maximum and minimum discharge of..... 41
monthly discharge of, at Chilton..... 88
Delaware River, bibliography for..... 32
maximum and minimum discharge of..... 48
monthly discharge of, near Angeles..... 140
Del Valle, Onion Creek near..... 116
Denison, Red River near..... 56
Denton, Elm Fork of Trinity River, near..... 74
Denton Creek, bibliography for..... 8
maximum and minimum discharge of..... 39
monthly discharge of, near Roanoke..... 76
Derby, Frio River near.....134-135
Devils River, bibliography for..... 33
maximum and minimum discharge of.....35, 48
monthly discharge of, near Juno..... 143
Diboll, Neches River near..... 63
Dilworth, Peach Creek near..... 125
Divot, Leona River near..... 136
Double Mountain Fork of Brazos River. See Brazos River.
Dry Creek, maximum discharge of..... 50
Dry Devils River, maximum discharge of..... 54
Dry Frio River, maximum discharge of..... 53

Page
Eagle Lake, Colorado River near..... 101
East Sandia Spring, bibliography for..... 32
monthly discharge of, at Balmorhea..... 141
Easterly, Navasota River near..... 93
Edinburgh canal, bibliography for..... 33
Eliasville, Clear Fork of Brazos River near..... 86
Elm Creek, bibliography for..... 16
maximum and minimum discharge of..... 43
monthly discharge of, at Ballinger..... 102
Elm Fork of Trinity River. See Trinity River.
Emhouse, Chambers Creek near..... 76
Estelline, Prairie Dog Town Fork of Red River near..... 55
Evadale, Neches River near..... 64
Evaporation near Austin, bibliography for..... 15

Falls City, Cibolo Creek near..... 130
San Antonio River near.....126-127
Farmers Independent canal, bibliography for..... 32
monthly discharge of, near Porterville..... 140
Flat Fork Creek, maximum discharge of..... 49
Fort Davis, Limpia Creek near..... 142
Fort Griffin, Clear Fork of Brazos River at..... 85
Fort Worth, Clear Fork of Trinity River at..... 73
West Fork of Trinity River above..... 67
West Fork of Trinity River at..... 68
Fowlerton, Frio Lake outlet near..... 136
Frio River at..... 135
Frederick Creek, maximum discharge of..... 53
Frio Lake outlet, bibliography for..... 27
maximum and minimum discharge of..... 46
monthly discharge of, near Fowlerton..... 136
Frio River, bibliography for..... 26
East Fork of, maximum discharge of..... 53
maximum and minimum discharge of.....46, 53
monthly discharge of, at Callihan..... 135
at Concan..... 134
at Fowlerton..... 135
near Derby.....134-135
near Frio Town..... 134
Frio Town, Frio River near..... 134
Fulshear, Brazos Valley Irrigation Co.'s canal near..... 93

Georgetown, San Gabriel River at..... 91
Giffin Spring, bibliography for..... 32
monthly discharge of, at Toyahvale..... 141
Gladewater, Sabine River near..... 59
Glen Rose, Brazos River near..... 80-81
Paluxy Creek at..... 86
Golden, Sabine River near..... 59
Goliad, San Antonio River at..... 127
Gonzales, Guadalupe River near..... 118
Gonzales Creek, maximum discharge of..... 50
Goodenough Springs, bibliography for..... 33
Goodwin canal, bibliography for..... 33
Graham, Brazos River near..... 79
Grand Prairie, Mountain Creek near..... 74
West Fork of Trinity River at..... 68-69
Grandfalls, Imperial high-line canal near..... 142
Imperial low-line canal near..... 143
Pecos River near..... 139
Grandfalls-Big Valley canal, bibliography for..... 32
monthly discharge of, near Barstow..... 142
Granjeno canal, bibliography for..... 33
Grape Creek, East Fork of, maximum discharge of..... 50
maximum discharge of..... 50
West Fork of, maximum discharge of..... 50
Guadalupe River, bibliography for..... 20-21
maximum and minimum discharge of.....44, 52
monthly discharge of, above Comal River, at New Braunfels..... 117
at New Braunfels..... 118
at Victoria..... 120
below Cuero..... 119
near Comfort.....116-117
near Cuero..... 119
near Gonzales..... 118
near Spring Branch..... 117
North Fork of, maximum discharge of..... 52
South Fork of, maximum discharge of..... 52

Hamilton, Leon River near..... 88
Hamilton Creek, maximum discharge of..... 52

Page
Handley, Village Creek near..... 73
History of stream measurement in Texas, outline of..... 1
Hondo Creek, maximum discharge of..... 54
Horger, Angelina River at..... 65
Houston, Buffalo Bayou at..... 77
  Brays Bayou at..... 78
  Whiteoak Bayou at..... 78
Hudspeth canal, bibliography for..... 30
Humble, San Jacinto River near..... 77

Imperial high-line canal, bibliography for..... 33
  monthly discharge of, near Grandfalls..... 142
Imperial low-line canal, bibliography for..... 33
  monthly discharge of, near Grandfalls..... 143

James River, East Fork of, maximum discharge of..... 51
Jefferson, Cypress Creek near..... 58-59
Jim Ned Creek, maximum discharge of..... 51
Johnson Creek, maximum discharge of..... 52
Junction, Llano River near..... 110
  North Llano River near..... 109
Juno, Devils River near..... 143

Kent Creek, maximum discharge of..... 49
Killeen, Cowhouse Creek near..... 90
Kountze, Village Creek near..... 66

Laguna, Nueces River at.....130-131
Lake Fork of Sabine River. See Sabine River.
Lampasas River, bibliography for..... 12
  maximum and minimum discharge of..... 41
  monthly discharge of, at Youngsport..... 90-91
Leon River, bibliography for..... 12
  maximum and minimum discharge of..... 41
  monthly discharge of, near Belton..... 89
    near Hamilton..... 88
Leona River, bibliography for..... 27
  maximum and minimum discharge of..... 46
  monthly discharge of, near Divot..... 136
Limpia Creek, bibliography for..... 32
  maximum and minimum discharge of..... 48
  monthly discharge of, near Fort Davis..... 142
Little Aguja Canyon, bibliography for..... 32
  maximum discharge of..... 54
Little Barton Creek, maximum discharge of..... 52
Little River, bibliography for..... 12
  maximum and minimum discharge of..... 41
  monthly discharge of, at Cameron..... 89-90
    near Little River..... 89
Little Walnut Creek, bibliography for..... 20
  maximum and minimum discharge of..... 44
  monthly discharge of, near Austin..... 116
Little Whiteoak Bayou, maximum discharge of..... 49
Little Wichita River, bibliography for..... 3
  maximum and minimum discharge of.....37, 49
  monthly discharge of, near Archer City..... 57
  North Fork of, maximum discharge of..... 49
Llano River, bibliography for..... 18-19
  maximum and minimum discharge of..... 44
  monthly discharge of, near Castell..... 111
    near Junction..... 110
Lockhart, Plum Creek near..... 124
Logansport, La., Sabine River at..... 60-61
Longview, Sabine River near..... 59
Lozier Creek, maximum discharge of..... 54
Lufkin, Angelina River near..... 65
Luling, Plum Creek near.....124-125

McAllen canal, bibliography for..... 34
McClellan Creek, maximum discharge of..... 49
Madera Canyon, bibliography for..... 32
  maximum and minimum discharge of..... 48
  monthly discharge of, near Toyahvale..... 141
Marble Falls, Colorado River at..... 97
Margueretta flume, bibliography for..... 32
  monthly discharge of, near Pecos..... 140
Medina canal, bibliography for..... 24
  monthly discharge of, near Riomedina..... 129
Medina River, bibliography for..... 23-24
  maximum and minimum discharge of.....45, 53

Page
Medina River, monthly discharge of, near Pipe Creek..... 128
monthly discharge of, near Riomedina..... 128
North Fork of, maximum discharge of..... 53
seepage near Riomedina..... 129
Menard, Noyes canal at.....108-109
San Saba River at..... 107
Middle Concho River, bibliography for..... 16
maximum and minimum discharge of..... 43
monthly discharge of, near Tankersly.....104-105
Milburn, Colorado River near..... 96
Mill Spring, bibliography for..... 20
discharge measurements of..... 115
See also Barton Springs.
Miller Creek, maximum discharge of..... 52
Mineral Wells, Brazos River near..... 80
Mission canal, bibliography for..... 33
Mountain Creek, bibliography for..... 8
maximum and minimum discharge of..... 39
monthly discharge of, near Grand Prairie..... 74
Mud Creek, bibliography for..... 5
maximum and minimum discharge of..... 38
monthly discharge of, at Ponta..... 65
Mustang (Rita Blanca) Creek, maximum discharge of..... 48

Navasota River, bibliography for..... 13
maximum and minimum discharge of..... 42
monthly discharge of, near Easterly..... 93
Neches River, bibliography for..... 5
maximum and minimum discharge of..... 38
monthly discharge of, at Evadale..... 64
near Diboll..... 63
near Reese..... 62
near Rockland..... 63-64
New Braunfels, Comal River at..... 120
Comal Springs at, discharge measurements of..... 121
Guadalupe River at.....117, 118
Nolands River, bibliography for..... 11
maximum and minimum discharge of..... 41
monthly discharge of, at Blum..... 87
North Bosque River, bibliography for..... 11
maximum and minimum discharge of..... 41
monthly discharge of, near Clifton..... 87
North Concho River, bibliography for..... 17
maximum and minimum discharge of..... 43
monthly discharge of, at San Angelo..... 106
near Carlsbad..... 105
North Elm Creek, bibliography for..... 13
maximum and minimum discharge of..... 42
monthly discharge of, near Ben Arnold..... 92
North Llano River, bibliography for..... 18
maximum and minimum discharge of.....44, 51
monthly discharge of, near Junction..... 109
Noyes canal, bibliography for..... 18
monthly discharge of, at Menard.....108-109
Nueces River, bibliography for..... 24-26
maximum and minimum discharge of..... 45-46
monthly discharge of, at Calallen..... 133
at Cotulla..... 132
at Laguna.....130-131
near Cinonia..... 131
near Cotulla..... 132
near Three Rivers..... 133
near Uvalde..... 131
Nugent, Clear Fork of Brazos River at..... 84-85

Oakwood, Trinity River near..... 70-71
Old Mill Spring. See Mill Spring.
Olmos Creek, maximum discharge of..... 52
O'Neil Creek, maximum discharge of..... 52
Onion Creek, bibliography for..... 20
maximum and minimum discharge of.....44, 52
monthly discharge of, near Del Valle..... 116
Ottine, San Marcos River at..... 122

Paint Rock, Concho River near..... 104
Palo Duro Creek, maximum discharge of..... 48
Palo Pinto, Brazos River near..... 79
Palo Pinto Creek, bibliography for..... 11
Paluxy Creek, bibliography for..... 11
maximum and minimum discharge of..... 41
monthly discharge of, at Glen Rose..... 86

Page
Peach Creek, bibliography for..... 22
maximum and minimum discharge of..... 45
monthly discharge of, near Dilworth..... 125
Pease River, bibliography for..... 3
maximum and minimum discharge of..... 37
monthly discharge of, near Crowell..... 57
Pecan Bayou, bibliography for..... 17
maximum and minimum discharge of.....43, 51
monthly discharge of, at Brownwood.....106-107
Pecan Creek, maximum discharge of..... 50
Pecos, Margueretta flume near..... 140
Pecos River near..... 138
Pecos River, bibliography for..... 30-32
maximum and minimum discharge of..... 47-48
monthly discharge of, above Barstow..... 138
near Angeles..... 137
near Barstow..... 139
near Buena Vista..... 139
near Grandfalls..... 139
near Pecos..... 138
near Porterville..... 137
near Sheffield..... 139
Pedernales River, bibliography for..... 19
maximum and minimum discharge of..... 44
monthly discharge of, at Stonewall..... 111
near Spicewood..... 112
Phantom Lake Spring, bibliography for..... 32
monthly discharge of, near Toyahvale..... 141
Pinto Creek, bibliography for..... 33
maximum and minimum discharge of..... 48
Pipe Creek, Medina River near..... 128
Plum Creek, bibliography for..... 22
maximum and minimum discharge of..... 45
monthly discharge of, near Lockhart..... 124
near Luling.....124-125
Point Creek, maximum discharge of..... 51
Ponta, Mud Creek at..... 65
Porterville, Farmers Independent canal near..... 140
Pecos River near..... 137
Prairie Dog Town Fork of Red River. See Red River.
Publications on stream flow, how to obtain..... 2-3

Quitman, Lake Fork of Sabine River near..... 62

Red Bank Creek, maximum discharge of..... 50
Red River, bibliography for..... 3
head of. See Tierra Blanca Creek.
maximum and minimum discharge of.....37, 49
monthly discharge of, at Arthur City..... 56
near Burkburnett..... 55
near Denison..... 56
Prairie Dog Town Fork of, bibliography for..... 3
maximum and minimum discharge of.....37, 49
monthly discharge of, near Canyon..... 55
near Estelline..... 55
Reese, Neches River near..... 62
Reeves County Water Improvement District No. 1, canals of, bibliography for..... 32
Richland, Richland Creek near..... 77
Richland Creek, bibliography for..... 8
maximum and minimum discharge of..... 40
monthly discharge of, near Richland..... 77
Richmond, Brazos River at..... 84
Richmond Irrigation Co.'s canal near..... 94
Richmond Irrigation Co.'s canal, bibliography for..... 13
monthly discharge of, near Richmond..... 94
Rio Bravo canal, bibliography for..... 34
Rio Grande, bibliography for..... 27-30
maximum and minimum discharge of.....35-36, 46-47, 54
Riomedina, Medina canal near..... 129
Medina River seepage near..... 129
Rita Blanca. See Mustang Creek.
Riverside, Trinity River at..... 71-72
Roanoke, Denton Creek near..... 76
Robert Lee, Colorado River near..... 94
Rockland, Neches River near..... 63-64
Rockwall, East Fork of Trinity River near..... 76
Romayor, Trinity River at..... 72
Rosenberg, Brazos River at..... 83
Rosser, Trinity River near..... 70
Ruliff, Sabine River near..... 62

Page
Sabinal River, bibliography for..... 26
maximum discharge of..... 53-54
Sabine River, bibliography for..... 4-5
Lake Fork of, bibliography for..... 5
maximum and minimum discharge of..... 38
monthly discharge of, near Quitman..... 62
maximum and minimum discharge of..... 38
monthly discharge of, at Logansport, La..... 60-61
at Sabinetown..... 61
near Bon Wier..... 61
near Gladewater..... 59
near Golden..... 59
near Longview..... 59
near Ruliff..... 62
Sabinetown, Sabine River at..... 61
Salado Creek, maximum discharge of..... 50
Salt Fork of Brazos River. See Brazos River.
San Angelo, Concho River near..... 103
North Concho River..... 106
South Concho River at..... 102
San Antonio, San Antonio River at..... 125-126
San Pedro Creek at..... 127
San Antonio River, bibliography for..... 23
maximum and minimum discharge of..... 45, 52-53
monthly discharge of, at Calaveras..... 126
at Goliad..... 127
at San Antonio..... 125-126
near Falls City..... 126-127
San Augustine, Ayish Bayou at..... 66
San Gabriel River, bibliography for..... 12
maximum and minimum discharge of..... 42
monthly discharge of, at Circleville..... 91
at Georgetown..... 91
San Jacinto River, bibliography for..... 8
maximum and minimum discharge of..... 40
monthly discharge of, near Conroe..... 77
near Humble..... 77
San Marcos, San Marcos River at..... 121
San Marcos Springs at, discharge measurements of..... 123
San Marcos River, bibliography for..... 21-22
maximum and minimum discharge of..... 44-45
monthly discharge of, at Ottine..... 122
at San Marcos..... 121
San Marcos Springs, bibliography for..... 22
discharge measurements of..... 123
San Pedro Creek, bibliography for..... 23
maximum and minimum discharge of..... 45, 53
monthly discharge of, at San Antonio..... 127
San Saba, Colorado River near..... 96-97
San Saba River at..... 108
San Saba River, bibliography for..... 17-18
maximum and minimum discharge of..... 43, 51
Middle Valley Prong of, maximum discharge of..... 51
monthly discharge of, at Menard..... 107
at San Saba..... 108
North Valley Prong of, maximum discharge of..... 51
San Solomon Spring, bibliography for..... 32
monthly discharge of, at Toyahvale..... 141
Sandies Creek, bibliography for..... 23
maximum and minimum discharge of..... 45, 52
monthly discharge of, near Westhoff..... 125
Sandy Creek, maximum discharge of..... 51
Saragosa, Barrilla Creek near..... 142
Schroeder, Coleto Creek near..... 125
Scope of report..... 1-2
Seco Creek, maximum discharge of..... 54
Sevenmile Draw, maximum discharge of..... 50
Seymour, Brazos River at..... 79
Sheffield, Pecos River near..... 139
Smithville, Colorado River at..... 99
Snyder, Deep Creek near..... 101
Somerville, Yegua Creek near..... 92-93
South Bosque River, bibliography for..... 11
maximum and minimum discharge of..... 41
monthly discharge of, near Speegleville..... 88
South Concho River, bibliography for..... 16
maximum and minimum discharge of..... 43
monthly discharge of, at Christoval..... 102
at San Angelo..... 102
South Llano River, maximum discharge of..... 51

Page
Speegleville, South Bosque River near..... 88
Spicewood, Pedernales River near..... 112
Spring Branch, Guadalupe River near..... 117
Spring Creek, bibliography for..... 16
  maximum and minimum discharge of..... 43
  monthly discharge of, near Tankersly..... 105
Stonewall, Pedernales River at..... 111
Stream measurement in Texas, outline of history of..... 1
Sulphur Creek, maximum discharge of..... 50
Sulphur River, bibliography for..... 3-4
  maximum and minimum discharge of..... 37
  monthly discharge of, near Darden..... 58
Sutherland Springs, Cibolo Creek at..... 130
Sycamore Creek, maximum discharge of..... 54

Tankersly, Middle Concho River near.....104-105
  Spring Creek near..... 105
Temple, Big Elm Creek near..... 92
Tenaha Creek, maximum discharge of..... 49
Terrett Draw, maximum discharge of..... 51
  East Fork of, below Cool Kiln Draw, maximum discharge of..... 51
  West Fork of, maximum discharge of..... 51
Texas Board of Water Engineers, cooperation by..... 2
Three Rivers, Nueces River near..... 133
Tierra Blanca Creek (head of Red River), maximum discharge of..... 49
Tornillo canal, bibliography for..... 30
Tornillo drain, bibliography for..... 30
Toyah Creek, bibliography for..... 32
  maximum discharge of..... 54
Toyahvale, Giffin Spring at..... 141
  Madera Canyon near..... 141
  Phantom Lake Spring near..... 141
  San Solomon Spring at..... 141
Tow, Colorado River near..... 97
Trinity River, bibliography for..... 6-7
  Clear Fork of, bibliography for..... 7
    maximum and minimum discharge of..... 39
    monthly discharge of, at Fort Worth..... 73
  East Fork of, bibliography for..... 8
    maximum and minimum discharge of..... 39
    monthly discharge of, near Rockwall..... 76
  Elm Fork of, bibliography for..... 8
    maximum and minimum discharge of..... 39
    monthly discharge of, near Carrollton..... 74-75
      near Dallas..... 75
      near Denton..... 74
  maximum and minimum discharge of..... 39
  monthly discharge of, at Dallas..... 69-70
    at Riverside..... 71-72
    at Romayor..... 72
    near Oakwood..... 70-71
    near Rosser..... 70
  West Fork of, bibliography for..... 6
    maximum and minimum discharge of..... 39
    monthly discharge of, at Bridgeport..... 66-67
      at Fort Worth..... 68
      at Grand Prairie..... 68-69
      at Lake Worth Dam, above Fort Worth..... 67

Uvalde, Nueces River near..... 131

Victoria, Guadalupe River at..... 120
Village Creek (Neches River Basin), bibliography for..... 6
  maximum and minimum discharge of..... 39
  monthly discharge of, near Kountze..... 66
Village Creek (Trinity River Basin), bibliography for..... 7
  maximum and minimum discharge of..... 39
  monthly discharge of, near Handley..... 73

Waco, Brazos River at..... 81-82
Walnut Creek, maximum discharge of..... 51
Walsh Spring. See Mill Spring.
West Nueces River, maximum discharge of..... 53
West Sandia Creek, bibliography for..... 32
West Sandia Spring, bibliography for..... 32
  monthly discharge of, at Balmorhea..... 141
Westhoff, Sandies Creek near..... 125
Wharton, Colorado River at..... 101
White River, maximum discharge of.....49, 50
Whiteoak Bayou, bibliography for..... 8
  maximum and minimum discharge of..... 40
  monthly discharge of, at Houston..... 78

Page
Whitsett, Atascosa River at..... 136
Wichita Falls, Wichita River at..... 57
Wichita River, bibliography for..... 3
monthly discharge of, at Wichita Falls..... 57
Wimberley, Blanco River at..... 124

Yegua Creek, bibliography for..... 13
maximum and minimum discharge of..... 42
monthly discharge of, near Somerville..... 92-93
Youngsport, Lampasas River at..... 90-91

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