

RED RIVER BASIN

07314900 Little Wichita River above Henrietta, Texas

LOCATION: Lat 33°49'36", long 98°14'23", Clay County, at the bridge on U.S. Highways 82 and 287, 1.0 mi (1.6 km) downstream from Duck Creek, 2.8 mi (4.5 km) west of Henrietta, 6.6 mi (10.6 km) upstream from Turkey Creek, and 7.6 mi (12.2 km) upstream from the Dry Fork Little Wichita River.

DRAINAGE AREA: 1,037 mi² (2,686 km²).

PERIOD OF RECORD: January 1953 to December 1975. Prior to October 1974, published as "near Henrietta".

GAGE: Water-stage recorder and concrete control. Datum of gage is 831.57 ft (253.463 m) above mean sea level, datum of 1929. Prior to June 26, 1953, nonrecording gage. Prior to July 11, 1975, at site 2.6 mi (4.2 km) downstream at same datum.

AVERAGE DISCHARGE: 23 years, 58,213 ac-ft/yr (71.8 hm³/yr).

EXTREMES: Period of record (1953-75): Maximum discharge, 7,630 ft³/s (216 m³/s) May 1, 1966 (gage height, 18.28 ft or 5.572 m); maximum gage height, 18.36 ft (5.596 m) May 2, 1957; no flow at times each year.

Flood in 1908 reached a stage of about 21 ft (6.4 m), from information by the State Highway Department.

REMARKS: Records good. Two major reservoirs, Lake Kickapoo and Lake Arrowhead, with a combined capacity of 368,100 ac-ft (453.9 hm³) largely affect the flow at the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1953	0	0	2200	0	956	0	2620	1010	24.0	64580	3430	333	75153
1954	0	0	0	7040	55600	16210	299	0	0	46.0	0	297	79492
1955	402	1590	955	2930	16760	19990	849	5.40	39020	39920	82.0	0	122503
1956	367	15.0	0	0	10740	2890	0	131	46.0	4790	2010	1780	22769
1957	.20	2410	4150	50100	201600	41210	408	2.20	406	6340	50840	478	357944
1958	279	70.0	754	1020	20680	204	5860	518	1230	243	68.0	2.60	30929
1959	0	0	267	493	1960	22820	4620	2.20	1950	23800	673	5830	62415
1960	2320	8360	1040	16.0	404	1300	620	0	1120	11220	170	5410	31980
1961	789	1600	2520	900	380	7450	897	202	5690	847	6460	1180	28915
1962	0	0	8.90	2470	4210	26940	4770	91.0	28820	5740	19010	38250	130310
1963	276	7.10	1300	3600	1320	2360	351	0	597	2220	2430	205	14666
1964	581	5740	225	2580	3410	5900	0	1610	15970	291	4580	62.0	40949
1965	1020	616	.20	2470	11750	6690	0	4460	1490	2620	0	0	31116
1966	0	0	1470	45390	54990	0	752	9630	32370	3850	0	0	148452
1967	0	0	0	6680	1020	2570	176	0	0	0	0	0	10446
1968	2300	55.0	5260	1190	4110	1540	0	0	0	0	1180	179	15814
1969	0	2340	9230	23.0	7950	354	.60	6.00	3470	70.0	9.6	1030	24483
1970	512	158	4080	748	944	912	0	0	132	0	0	0	7486
1971	0	0	0	0	0	206	0	2330	623	1530	0	3070	7759
1972	0	0	0	131	5580	289	293	76.0	129	2200	3520	0	12218
1973	2510	1450	4880	1860	52.0	559	2370	107	530	1010	2250	.10	17578
1974	0	6.70	259	61.0	1690	242	0	0	11560	1570	4420	0	19811
1975	0	815	191	497	33740	1780	1800	720	6150	0	0	0	45693
MAX	2510	8360	9230	50100	201600	41210	5860	9630	39020	64580	50840	38250	357944
MIN	0	0	0	0	0	0	0	0	0	0	0	0	7486
MEAN	494	1097	1687	5661	19124	7062	1160	909	6579	7517	4397	2526	58213
NO.	23	23	23	23	23	23	23	23	23	23	23	23	23
DISTR OF MEAN	.8%	1.9%	2.9%	9.7%	32.9%	12.1%	2.0%	1.6%	11.3%	12.9%	7.6%	4.3%	100%

RED RIVER BASIN

07315200 East Fork Little Wichita River near Henrietta, Texas

LOCATION: Lat 33°48'46", long 98°05'05", Clay County, at the bridge on U.S. Highway 82, 5.8 mi (9.3 km) upstream from the Little Wichita River, 6.4 mi (10.3 km) east of Henrietta, and 8.9 mi (14.3 km) west of Ringgold.

DRAINAGE AREA: 178 mi² (461 km²).

PERIOD OF RECORD: December 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 825.32 ft (251.558 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 13 years, 16,135 ac-ft/yr (19.9 hm³/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 15,500 ft³/s (439 m³/s) May 12, 1972 (gage height, 28.85 ft or 8.793 m); no flow for many days most years.

Maximum stage since at least 1920, that of May 12, 1972.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1963	-	-	-	-	-	-	-	-	-	-	-	.60	-
1964	11.0	64.0	3.00	106.0	108.0	26.0	0	35.4	45.8	14.0	12.60	18.0	434.8
1965	.20	9.9	2.40	1.20	33.70	248.0	2.20	65.0	14.6	87.0	.60	0	674.9
1966	0	0	45.4	15.870	46.30	59.5	.20	194.0	54.30	96.0	1.80	1.10	2901.8
1967	.60	0	0	15.0	17.90	711.0	13.2	.10	10.5	.40	.10	0	915.3
1968	153.0	90.0	85.90	89.0	53.90	7.91	16.0	58.0	50.0	2.00	3.00	15.0	1692.1
1969	.60	7.37	74.20	2.780	82.00	48.0	.30	0	23.4	2.90	1.40	13.40	2076.4
1970	12.9	6.53	18.00	1.280	64.70	2.37	.04	0	28.4	7.70	1.10	0	1093.1
1971	0	.30	.10	0	0	0	0	113.0	15.20	5.29	0	26.20	57.99
1972	0	0	0	68.2	217.10	26.9	2.00	0	14.4	26.40	33.30	5.40	287.82
1973	231.0	7.75	73.0	63.10	70.0	56.30	75.40	25.40	5.44	5.40	5.790	1.29	322.51
1974	24.0	3.83	45.0	1.24	5.11	3.20	.50	.70	16.30	6.70	21.60	6.60	55.58
1975	7.70	41.50	7.07	7.62	129.40	350.0	12.70	70.0	1.67	.80	11.0	18.0	236.73
MAX	231.0	41.50	85.90	15.870	217.10	711.0	75.40	25.40	54.30	26.40	5.790	26.20	322.51
MIN	0	0	0	0	0	0	0	0	50.0	.40	0	0	434.8
MEAN	3.40	5.72	15.91	24.14	55.13	17.24	7.47	5.62	8.93	3.88	10.71	3.20	161.35
NO.	12	12	12	12	12	12	12	12	12	12	12	13	12
DISTR OF MEAN	2.1%	3.5%	9.9%	15.0%	34.2%	10.7%	4.6%	3.5%	5.5%	2.4%	6.6%	2.0%	100%

RED RIVER BASIN

07315400 Little Wichita River near Ringgold, Texas

LOCATION: Lat 33°53'55", long 98°04'05", Clay County, at a bridge on an abandoned county road, 2 mi (3.2 km) downstream from the East Fork Little Wichita River, 8 mi (12.9 km) northwest of Ringgold, 11.5 mi (18.5 km) upstream from the mouth, and 13 mi (20.9 km) downstream from the gaging station near Henrietta (station 07315200).

DRAINAGE AREA: 1,350 mi² (3,496 km²).

PERIOD OF RECORD: March 1959 to September 1965.

GAGE: Water-stage recorder. Datum of gage is 791.3 ft (241.2 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 7 years, 77,722 ac-ft/yr (95.8 hm³/yr).

EXTREMES: Period of record (1959-65): Maximum discharge, 4,120 ft³/s (116.7 m³/s) June 24, 1959 (gage height, 27.53 ft or 8.4 m); no flow for many days most years.

Maximum stage since 1908, about 31 ft (9.4 m) in 1915, from information by a local resident.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1959	-	-	274	426	2200	38540	4860	93.0	5090	38890	1230	12960	-
1960	5520	13130	1940	184	421	1680	1580	0	1160	16290	105	8240	50250
1961	2010	1830	3020	2180	3150	14410	1050	363	5680	1190	10680	3760	49323
1962	31.0	1.80	0	4990	3680	39610	10600	216	43750	5720	26310	49780	184689
1963	431	111	1350	4190	1880	3150	533	4.00	357	2220	2930	292	17448
1964	813	5940	214	3110	6090	8110	0	1920	18210	600	6340	126	51473
1965	1380	1330	7.10	1930	22570	13530	7.70	7190	1660	-	-	-	-
MAX	5520	13130	3020	4990	22570	39610	10600	7190	43750	38890	26310	49780	184689
MIN	31.0	1.80	0	184	421	1680	0	0	357	600	105	126	17448
MEAN	1698	3724	972	2430	5713	17004	2662	1398	10844	10818	7933	12526	77722
NO.	6	6	7	7	7	7	7	7	7	6	6	6	5
DISTR OF MEAN	2.2%	4.8%	1.3%	3.1%	7.4%	21.9%	3.4%	1.8%	14.0%	13.9%	10.2%	16.1%	100%

RED RIVER BASIN

07315500 Red River near Terral, Oklahoma

LOCATION: Lat 33°52'43", long 97°56'03", Jefferson County, Oklahoma, at the bridge on U.S. Highway 81, 0.5 mi (0.8 km) downstream from the Chicago, Rock Island, and Pacific Railroad Co. bridge, 1.2 mi (1.9 km) south of Terral, Oklahoma, and 3.6 mi (5.8 km) downstream from the Little Wichita River.

DRAINAGE AREA: 28,723 mi² (74,393 km²), of which 5,936 mi² (15,374 km²) is probably noncontributing.

PERIOD OF RECORD: January 1938 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 770.31 ft (234.790 m) above mean sea level, datum of 1929. Prior to Jan. 12, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 38 years, 1,621,888 ac-ft/yr (1,999.8 hm³/yr).

EXTREMES: Period of record (1938-75): Maximum discharge, 197,000 ft³/s (5,580 m³/s) June 8, 1941 (gage height, 28.12 ft or 8.571 m); minimum, 43 ft³/s (1.22 m³/s) Mar. 15, 1939.

Maximum stage since at least 1891, that of June 8, 1941.

REMARKS: Records good. There is some regulation by nine major upstream reservoirs in Oklahoma and Texas with a combined capacity of 1,402,000 ac-ft (1,728.7 hm³). There are many small diversions for irrigation, oilfield, and municipal uses upstream from the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1938	48900	279000	238000	132900	649700	495500	65390	42680	22310	9950	13680	5610	2003620
1939	84990	10420	51560	28190	62290	233100	64090	86070	9460	24060	6100	6600	666930
1940	4710	10810	4060	45770	135300	102900	145200	137600	69090	7320	160400	58220	881380
1941	30470	175300	35460	161300	1744000	2234000	247200	151500	148600	1407000	548700	146000	7029530
1942	76280	58800	63160	982800	232000	196900	33860	85560	206900	406700	186300	91600	2620860
1943	74740	35350	52060	236500	659200	247400	55480	14020	11110	10250	7790	21770	1425670
1944	34110	41360	71620	65500	43810	236000	57900	34990	50390	154400	46730	47410	884220
1945	61310	73080	475700	435500	89210	190800	262700	75650	256100	389900	25430	24000	2359380
1946	66710	71240	36190	27250	73600	145800	58920	16150	152700	148800	77250	196100	1070710
1947	28400	16470	19120	363900	1376000	309300	54430	17070	9710	22510	25320	87540	2329770
1948	19340	57990	140200	47750	128500	206900	85470	39660	7560	10320	11920	8520	764130
1949	24520	192000	47810	23780	495300	349700	36620	21070	110400	73280	23930	33630	1432040
1950	40010	84890	18140	40440	458300	197400	496600	569800	470500	140700	29480	27800	2574060
1951	26460	44820	37010	33130	1180000	691100	209800	47240	37490	37760	34790	14980	2394580
1952	19080	15690	23670	71370	310400	85720	40760	13660	11400	6650	7880	10110	616390
1953	6680	7550	33280	46750	25000	59520	80510	81480	11440	491500	114100	59380	1019190
1954	18430	12440	11530	53780	893000	208100	17890	16540	8710	8490	6690	8190	1263790
1955	9470	12000	19720	10770	840300	467300	94190	39740	196300	928400	70880	30350	2719420
1956	25440	26750	14780	14130	252100	86140	39080	11330	6510	74460	40930	15410	607060
1957	6500	17700	38880	726400	2679000	968400	78200	44100	38860	87800	202500	26070	4914410
1958	35260	39620	60010	102300	323700	93310	135600	34560	18400	11500	7540	9390	871190
1959	11970	11650	8100	47690	295400	271100	252300	50680	70920	387400	68640	216200	1692050
1960	111100	158800	69600	40930	70080	268600	172900	38690	34930	621200	89280	143800	1819910
1961	73610	71720	173100	131600	74540	299000	137900	32410	89190	31030	108400	42320	1264820
1962	28750	32700	23350	69390	93440	760100	106000	73560	186400	66590	75780	120800	1636860
1963	27190	28430	29120	95940	44880	228200	29290	13080	28170	10560	17340	11030	563230
1964	9580	50020	14220	24360	62890	82580	9730	17600	102700	32360	161800	24330	592170
1965	23000	17940	13200	55630	86500	196600	44030	23590	253800	342600	44200	47590	1148680
1966	27240	30200	30580	130600	138400	30790	21500	180200	284100	99080	14400	11760	998850
1967	10830	10330	10000	245800	59800	86810	134400	41710	32710	16170	15770	10470	674800
1968	80530	32900	112900	71290	203000	347800	126800	52160	94060	69170	77360	35000	1302970
1969	21060	90530	130400	44060	527600	121400	21140	59610	223900	44100	34640	22060	1340500
1970	22460	14540	94260	64130	86760	41750	10330	9560	75960	13770	7720	7820	449060
1971	8550	9440	6910	8420	8250	63620	15080	199000	258700	132900	71770	138900	921540
1972	31020	16770	12200	22750	219600	57060	29700	11670	33970	62250	356200	28830	882020
1973	159700	65390	270900	545400	95460	329500	55590	103700	195800	173500	92560	29930	2117430
1974	20810	23490	107200	37220	278700	76740	11930	26700	254000	129000	223900	39850	1229540
1975	58010	182200	95490	83770	651000	558900	470100	226300	92790	37080	57080	36280	2549000
MAX	159700	279000	475700	982800	2679000	2234000	496600	569800	470500	1407000	548700	216200	7029530
MIN	4710	7550	4060	8420	8250	30790	9730	9560	6510	6650	6100	5610	449060
MEAN	36611	56061	70681	141347	411763	305943	105490	72123	109633	176856	63294	49886	1621688
NO.	38	36	38	38	38	38	38	38	38	38	38	38	38
CF MEAN	2.4%	3.5%	4.4%	8.7%	25.4%	18.9%	6.5%	4.4%	6.6%	10.9%	5.1%	3.1%	100%

RED RIVER BASIN

07315950 Moss Lake near Gainesville, Texas

LOCATION: Lat 33°46'26", long 97°12'52", Cooke County, at the upstream side of the outlet tower near the right end of the dam on Fish Creek, 1.6 mi (2.6 km) upstream from Bearhead Creek, 3.7 mi (6.0 km) upstream from the mouth, and 11 mi (18 km) northwest of Gainesville.

DRAINAGE AREA: 65 mi² (168 km²).

PERIOD OF RECORD: October 1967 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES: Period of record (1967-75): Maximum contents, 32,960 ac-ft (40.6 hm³) Oct. 31, 1974 (elevation, 722.63 ft or 220.258 m); minimum contents since the lake was first filled in May 1968, 20,800 ac-ft (25.6 hm³) Oct. 20, 1972 (elevation, 712.77 ft or 217.252 m).

REMARKS: The lake is formed by a rolled earthfill dam 1,460 ft (445 m) long, with a capacity of 36,440 ac-ft (44.9 hm³). The dam was completed and storage began on Dec. 2, 1966. An uncontrolled morning glory-type spillway with a 7- by 7-foot (2- by 2-m) opening is designed to discharge 2,500 ft³/s (70.8 m³/s) at a 10-foot (3-m) head. The emergency spillway is a 400-foot wide (120-m) cut through natural ground located about 100-ft (30-m) to the left of the left end of the dam. The dam was built by the City of Gainesville to impound water for municipal use.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1967	-	-	-	-	-	-	-	-	-	5310	5220	5220
1968	6080	6500	14470	16930	23560	23270	23210	22550	22280	22000	21960	21940
1969	22550	23410	23590	23720	23440	23230	22550	21940	21680	21470	21260	22210
1970	22380	23520	23230	24460	23430	22790	22440	21770	23220	22950	22800	22820
1971	22900	22880	22770	22640	22880	22380	21850	22820	22810	23130	23130	23210
1972	23100	23100	22990	23210	22990	22600	21900	21460	21220	21490	21690	21680
1973	22590	23220	23210	23350	23100	23070	23270	22550	22790	23030	23350	23090
1974	23130	23200	23090	23240	22850	22580	21870	21840	23350	32750	23080	23190
1975	23210	23320	23620	23140	23660	23010	23040	22950	22730	22380	22210	22360
MAX	23210	23520	23620	24460	23660	23270	23270	22950	23350	32750	23350	23210
MIN	6080	6500	14470	16930	22850	22380	21850	21460	21220	5310	5220	5220
MEAN	20743	21144	22121	22586	23239	22866	22516	22235	22510	21612	20522	20636
NO.	8	8	8	8	8	8	8	8	8	9	9	9
DISTR OF MEAN	7.9%	8.0%	8.4%	8.6%	8.8%	8.7%	8.6%	8.5%	8.6%	8.2%	7.8%	7.9%

RED RIVER BASIN

07316000 Red River near Gainesville, Texas

LOCATION: Lat 33°43'40", long 97°09'35", in SW¼ sec. 36, T. 9 S., R. 1 E., Love County, Oklahoma, at the bridge on U.S. Highway 77, 0.2 mi (0.3 km) downstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 5.0 mi (8.0 km) downstream from Fish Creek, and 7.0 mi (11.0 km) north of Gainesville.

DRAINAGE AREA: 30,782 mi² (79,725 km²), of which 5,936 mi² (15,374 km²) is probably noncontributing.

PERIOD OF RECORD: June 1936 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 627.91 ft (191.387 m) above mean sea level, datum of 1929. Prior to Jan. 17, 1939 and Feb. 13, 1965 to Nov. 14, 1966, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 40 years, 2,024,099 ac-ft/yr (2,495.7 hm³/yr).

EXTREMES: Period of record (1936-75): Maximum discharge, 168,000 ft³/s (4,760 m³/s) June 9, 1941 (gage height, 24.15 ft or 7.361 m); maximum gage height, 26.53 ft (8.086 m) May 21, 1951; minimum discharge, 48 ft³/s (1.36 m³/s) Jan. 27, 1940.

REMARKS: Records good. The flow has been slightly regulated since 1922 by Lake Kemp (station 07312000); since 1943 by Lake Altus; since 1946 by Lake Kickapoo (station 07314000); and since 1967 by Lake Arrowhead (station 07314800) and Moss Lake (station 07315950).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1936	-	-	-	-	-	255900	25290	13320	973500	276400	28900	22130	-
1937	26240	17010	91900	116300	75980	557300	64560	153700	141400	185500	31430	35600	1496920
1938	93460	441900	382900	246300	777200	631300	78930	44610	25050	12470	16120	7950	2758190
1939	83940	16260	54100	56900	58360	237100	82430	92200	13550	21150	10230	7690	733910
1940	5070	13680	5560	81360	235700	210700	253100	197600	76870	11230	216100	89110	1396080
1941	44310	287600	70310	278000	1811000	2589000	326000	142100	189700	1915000	830500	179900	8662920
1942	87990	72480	89920	1572000	417000	276300	62010	96620	225400	407800	220300	100200	3628020
1943	92890	46570	81820	281900	832200	343500	63540	16250	12980	21240	9570	23590	1826050
1944	39570	82060	133600	86480	65780	254100	52790	34880	34320	176500	61340	63860	1085280
1945	68780	123700	844700	656600	152100	240200	308000	104600	235200	693400	33650	29840	3490770
1946	178700	171900	90500	58350	98260	236600	66450	23870	134400	153300	95440	333400	1641170
1947	38470	22100	26560	378200	1452000	328900	66140	18980	11840	21170	38630	88630	2491620
1948	31970	71280	177200	48230	143200	261200	198200	43170	10100	10130	11440	9410	1015530
1949	23730	203800	67440	34050	519500	394500	53760	24520	157300	109400	40050	39490	1667540
1950	59080	98460	25950	48450	550500	234000	606100	795500	689900	174500	40990	35010	3358440
1951	34550	51190	57980	37440	1205000	1075000	294900	57950	47610	37980	57440	19360	2976400
1952	22540	19560	29990	97470	371200	126300	40350	13190	9740	7310	8430	10980	757060
1953	7730	8370	49460	62290	46390	69250	99960	86550	14420	494200	146500	67920	1153040
1954	22430	14600	12520	64230	1091000	274100	23320	14540	11640	11110	8140	11130	1558760
1955	12310	13610	26840	14760	886800	595500	108500	45020	170000	971200	83730	38170	2966440
1956	29050	31280	18270	15230	202700	127800	45150	11360	6440	72510	49600	40300	649690
1957	10700	27540	55150	781600	2938000	1244000	98750	57860	42730	96050	256200	35480	5644060
1958	64600	48290	72740	143400	426100	110700	134400	41700	16840	16790	10660	12270	1098490
1959	13670	12790	10410	50460	275900	329000	257900	48110	72810	564500	95070	301500	2032120
1960	186300	183600	87170	48900	79960	300800	193200	39720	36230	651800	106600	179900	2094180
1961	89660	68400	180300	192600	106000	333300	158800	40650	95690	45210	144700	76730	1532040
1962	31370	36810	28010	58710	111500	879800	145400	102600	215000	67450	138300	176900	1991850
1963	28220	33590	35010	83740	72740	229100	30600	11480	26000	9720	16510	12580	589290
1964	9380	53480	16760	27860	58090	88110	10230	32880	139000	52710	226900	31500	746900
1965	32190	24330	18450	58700	149400	253900	79050	35060	245700	332800	61030	43540	1334150
1966	34870	54170	39130	189700	188400	38080	21970	149300	326000	129900	18340	15370	1205230
1967	12410	11090	10980	328100	68600	158800	123100	43450	32900	19560	18390	12510	839890
1968	97750	40080	179900	95170	399700	428900	152600	34990	124300	76210	75740	72720	1778060
1969	24740	131400	239000	96370	692400	150000	28310	47610	220500	67870	46370	33050	1777620
1970	35900	27550	167700	102900	142900	71910	13360	10040	141100	43250	12710	9920	779240
1971	11320	10760	9770	9080	12570	61450	12140	154900	192000	134600	76620	170500	855710
1972	33010	22490	16310	23330	206900	59070	37440	11090	40790	42190	464100	45020	1001740
1973	211100	107800	333000	703000	133400	502900	61360	161800	197800	247500	240300	54980	2954940
1974	31680	30280	107600	37720	386600	128700	15880	25860	373400	170600	343500	51680	1703500
1975	69890	216400	195800	150100	726600	837900	456000	306900	109800	42700	56270	37460	3205820
MAX	211100	441900	844700	1572000	2938000	2589000	606100	795500	973500	1915000	830500	333400	8662920
MIN	5070	8370	5560	9080	12570	38080	10230	10040	6440	7310	8140	7690	589290
MEAN	52092	75596	106172	190153	465837	388124	123749	84663	145999	214873	111171	65670	2024099
NO.	39	39	39	39	39	40	40	40	40	40	40	40	39
DISTR OF MEAN	2.6%	3.7%	5.2%	9.4%	23.0%	19.2%	6.1%	4.2%	7.2%	10.6%	5.5%	3.2%	100%

RED RIVER BASIN

07316200 Mineral Creek near Sadler, Texas

LOCATION: Lat 33°42'08", long 96°50'51", Grayson County, at the bridge on Farm Road 901, 1.4 mi (2.3 km) north of Sadler, and 2.0 mi (3.2 km) upstream from Mustang Creek.

DRAINAGE AREA: 26.0 mi² (67.3 km²).

PERIOD OF RECORD: December 1967 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 650.00 ft (198.120 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 9 years, 9,275 ac-ft/yr (11.4 hm³/yr).

EXTREMES: Period of record (1967-75): Maximum discharge, 2,360 ft³/s (66.8 m³/s) Oct. 31, 1974 (gage height, 13.97 ft or 4.258 m); no flow at times each year.

Maximum stage since about 1900, about 18 ft (5.5 m) in 1922, from information by local residents.

REMARKS: Records fair.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1967	-	-	-	-	-	-	-	-	-	-	-	82.0	-
1968	1330	110	3400	2320	2640	1750	80.0	.50	25.0	10.0	85.0	60.0	11811
1969	455	1650	1890	736	6310	232	3.40	0	169	1050	32.0	9.64	13491
1970	121	2540	1160	2510	576	70.0	4.90	4.60	1860	70.0	25.0	29.0	8970
1971	54.0	47.0	37.0	30.0	412	3.80	0	195	295	1320	51.0	40.0	6495
1972	103	49.0	52.0	200	344	4.00	0	7.00	9.00	1580	435	44.0	2827
1973	780	1450	1480	2100	1210	807	310	16.0	2230	1470	777	278	12908
1974	152	250	112	1130	167	464	3.00	1300	1840	3330	1280	194	10222
1975	784	1420	2700	1250	591	1040	149	5.90	1.90	15.0	27.0	40.0	8024
MAX	1330	2540	3400	2510	6310	1750	310	1300	2230	3330	1280	4050	13491
MIN	54.0	47.0	37.0	30.0	167	3.80	0	0	1.90	10.0	25.0	29.0	2827
MEAN	472	940	1354	1285	1531	546	68.8	191	804	1106	339	638	9275
NO.	8	8	8	8	8	8	8	8	8	8	8	9	8
DISTR OF MEAN	5.1%	10.1%	14.6%	13.8%	16.5%	5.9%	.7%	2.1%	8.7%	11.9%	3.7%	6.9%	100%

RED RIVER BASIN

07331500 Lake Texoma near Denison, Texas

LOCATION: Lat 33°49'05", long 96°34'20", in NE¼ sec. 33, T. 8 S., R. 7 E., Bryan County, Oklahoma, in the control tower of Denison Dam of the Red River, 1.2 mi (1.9 km) upstream from Shawnee Creek, 1.8 mi (2.9 km) upstream from Sand Creek, and 4.0 mi (6.4 km) northwest of Denison.

DRAINAGE AREA: 39,719 mi² (102,872 km²), of which 5,936 mi² (15,374 km²) is probably noncontributing.

PERIOD OF RECORD: July 1942 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Mar. 30, 1944, nonrecording gage at same site and datum. Prior to Oct. 1, 1948, auxiliary nonrecording gage in the Cumberland pool at same datum.

EXTREMES: Period of record (1942-75): Maximum contents, 5,991,300 ac-ft (7,387.3 hm³) June 5, 1957 (elevation, 643.18 ft or 196.041 m); minimum contents since the power pool was first filled, 1,565,100 ac-ft (1,929.8 hm³) Sept. 16, 1964; minimum elevation, 599.96 ft (182.868 m) Mar. 1, 2, 1957.

REMARKS: The lake is formed by a rolled earthfill dam. Flow was diverted through the conduits on July 27, 1942; regulated storage began on Oct. 31, 1943; the power pool was first filled on Mar. 15, 1945. The capacity of the lake is based on a 1962 survey; 5,392,000 ac-ft (6,649.4 hm³) at elevation 640.0 ft (195.07 m), the crest of the spillway; 2,733,300 ac-ft (3,370.2 hm³) at elevation 617.0 ft (188.06 m), the maximum power pool; 1,049,200 ac-ft (1,293.7 hm³) at elevation 590.0 ft (179.83 m), minimum power pool in the Denison pool. The dead storage is 11,000 ac-ft (13.6 hm³) at elevation 610.0 ft (185.93 m) in the Cumberland pool. When the contents are below 2,167,900 ac-ft (2,673.0 hm³), the lake is divided into two pools by protective levees around the Cumberland oilfield on the Washita River arm with the bottom of the outlet channel for the upper pool (known as the Cumberland pool) at elevation 610.0 ft (185.93 m). At higher elevations, the two pools are considered as being at a common level, with the contents being computed from a gage in the Denison pool. Figures given herein represent the contents of both pools. The dam is operated by the U.S. Army Corps of Engineers.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1942	-	-	-	-	-	-	4930	8710	8990	23350	9750	19660
1943	9430	8570	19140	12870	111300	10550	8150	4320	7380	3730	17740	46460
1944	101500	323400	583900	755900	1073000	1434000	1497000	1501000	1514000	1728000	1831000	1939000
1945	2037000	2431000	3806000	3925000	3034000	3580000	3096000	3041000	3299000	2831000	2781000	2782000
1946	3005000	3016000	3001000	2964000	3092000	3043000	2994000	2957000	2990000	2948000	2986000	3067000
1947	2852000	2664000	2614000	3091000	3852000	3052000	2918000	2798000	2658000	2574800	2552500	2703200
1948	2616900	2730000	2937300	2816000	3104800	3194700	2999100	2871400	2629800	2497300	2361600	2252200
1949	2180600	2460400	2496500	2480900	2968600	2956600	2888600	2745800	2818400	2841800	2711500	2598700
1950	2628100	2706400	2636700	2586900	3143800	3004000	3478500	2950200	3163200	2886800	2742300	2608800
1951	2503900	2460400	2455600	2399200	3138000	3350000	2885000	2720300	2611300	2563400	2529300	2436800
1952	2308400	2249400	2223500	2354400	2752900	2737900	2609600	2378400	2252900	2066200	1993800	1934400
1953	1858700	1805100	1890000	2004300	2073500	2022800	2110000	2024100	1882000	2360800	2542400	2527600
1954	2465300	2357600	2212300	2170900	3071800	2883200	2570100	2342200	2078100	2060800	1937800	1849000
1955	1867900	1867900	1904400	1907000	2861100	2845300	2739100	2564700	2694900	2789500	2560500	2343100
1956	2151200	1992700	1878000	1826200	1921400	1966300	1879900	1759000	1636400	1676900	1721300	1736200
1957	1626700	1608500	1642700	3167400	5678000	3559400	2937400	2827300	2886200	2661000	2689700	2462100
1958	2633200	2500100	2641000	2765200	2829100	2903000	2891800	2794900	2701900	2579900	2469400	2390800
1959	2273700	2250100	2135400	2137500	2517700	2845300	2936400	2747200	2703600	2739100	2723800	2746300
1960	2654900	2621900	2626200	2575700	2773300	2892700	2889900	2803000	2731900	2749900	2684500	2689700
1961	2511800	2543700	2701900	2632300	2693200	2951300	2953200	2826400	2831800	2703600	2750800	2675800
1962	2556300	2533700	2539500	2587400	2646200	2975500	2868600	2687100	2840800	2715000	2786800	2685400
1963	2467800	2482400	2505100	2542100	2484100	2530300	2377000	2203600	2113300	1947400	1898300	1841300
1964	1782000	1763200	1761400	1759000	1837600	1874100	1701800	1603300	1777200	1765600	2220000	2247900
1965	2212500	2222200	2170100	2158300	2364500	2499900	2348800	2177500	2311500	2585000	2521000	2450000
1966	2312000	2411000	2410000	2715000	2638000	2445000	2211000	2239000	2360000	2213000	2052000	1903000
1967	1817000	1723000	1686000	2294000	2387000	2470000	2449000	2275000	2228000	2119000	2049000	2021000
1968	2228000	2253000	2711000	2676000	2882000	2837000	2844000	2688000	2685000	2576000	2664000	2731000
1969	2641000	2629000	2621000	2525000	2723000	2771000	2562000	2420000	2526000	2538000	2419000	2343000
1970	2180000	2184000	2286000	2461000	2606000	2586000	2402000	2183000	2370000	2739500	2654600	2461400
1971	2358200	2331700	2280700	2216200	2196800	2233500	2110400	2186400	2349600	2502000	2430000	2791000
1972	2538000	2308000	2187000	2200000	2446000	2330000	2230000	2155000	2124000	2150000	2719000	2627000
1973	2828000	2740000	2892000	3263000	2870000	2819000	2709000	2585000	2894000	2846000	3185000	2790000
1974	2724000	2762000	2765000	2799000	2818000	2709000	2546000	2472000	2863000	3079000	2833000	2758000
1975	2786000	2866000	2873000	2700000	3071000	2811000	2943000	2738000	2663000	2552000	2506000	2452000
MAX	3005000	3016000	3806000	3925000	5678000	3580000	3478500	3041000	3299000	3079000	3185000	3067000
MIN	9430	8570	19140	12870	111300	10550	4930	4320	7380	3730	9750	19660
MEAN	2233849	2236557	2305659	2408142	2686658	2640102	2458508	2331701	2358976	2341570	2339247	2291495
NO.	33	33	33	33	33	33	34	34	34	34	34	34
DISTR												
OF MEAN	7.8%	7.8%	8.1%	8.4%	9.4%	9.2%	8.6%	8.1%	8.2%	8.2%	8.2%	8.0%

RED RIVER BASIN

07331600 Red River at Denison Dam near Denison, Texas

LOCATION: Lat 33°49'08", long 96°33'47", Grayson County, 1,800 ft (549 m) downstream from the Denison Dam powerhouse, 0.4 mi (0.6 km) upstream from Shawnee Creek (spillway flow return), and 4.5 mi (7.2 km) north of Denison.

DRAINAGE AREA: 39,720 mi² (102,880 km²), of which 5,936 mi² (15,374 km²) is probably noncontributing. At the site used prior to October 1961, the drainage area was 39,777 mi² (103,022 km²), of which 5,936 mi² (15,374 km²) was probably noncontributing.

PERIOD OF RECORD: October 1923 to December 1975. Prior to October 1934, published as "near Denison, Texas", and October 1934 to September 1961, published as "near Colbert, Oklahoma".

GAGE: Water-stage recorder. Datum of gage is 500.00 ft (152.400 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 53 years, 3,475,284 ac-ft/yr (4,285.0 hm³/yr).

EXTREMES: Period of record (1923-75): Maximum discharge, 201,000 ft³/s (5,690 m³/s) May 21, 1935 (gage height, 31.8 ft or 9.69 m, at site and datum then in use); maximum gage height, 32.0 ft (9.75 m) Apr. 25, 1942 (at site and datum used in 1943); minimum daily discharge, 12 ft³/s (0.34 m³/s) Jan. 10, 1944.

Flood of May 26, 1908 reached a stage of 45.5 ft (13.87 m) at site and datum used July 29, 1942 to Sept. 30, 1961, from records of the National Weather Service.

REMARKS: Records good. The flow is regulated since October 1943 by Lake Texoma (station 07331500).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	2144000	879000	607000	-
1924	174000	98900	305000	571000	383000	159000	103000	82500	66100	67500	43900	41900	2095800
1925	45600	41400	35700	303000	472000	72900	35300	245000	1000000	379000	169000	46700	2845600
1926	97200	56600	119000	357000	363000	202000	453000	555000	299000	1640000	151000	31400	4606800
1927	276000	263000	282000	1566000	250000	344000	527000	264000	106000	381000	77400	171000	4507400
1928	135000	163000	105000	375000	1019000	1170000	498000	186000	53000	28100	127000	88500	3947600
1929	101000	70000	206000	278000	1087000	584000	217000	51500	569000	141000	149000	105000	3558500
1930	103000	287000	132000	82700	135000	515000	81800	35700	55900	602000	104000	49800	3847100
1931	89800	312000	271000	224000	285000	91600	205000	52300	20800	296000	298000	29000	2435500
1932	836000	679000	183000	183000	358000	918000	779000	159000	212000	84200	38000	323000	4752200
1933	176000	66100	344000	194000	1332000	172000	102000	309000	327000	105600	62630	72970	3263300
1934	113300	100400	308100	179200	230500	133100	27920	12890	318600	82830	192200	71000	1770040
1935	51090	36040	382800	185900	2690000	1333000	369200	148300	341700	98040	98420	310900	6045390
1936	719400	51720	64790	39170	549000	408700	75640	25660	985500	451800	71600	86990	3529970
1937	155800	79660	184500	242600	105500	656500	85890	261900	180800	232100	57610	95170	2338030
1938	161400	1100000	637600	465000	1147000	686400	158500	92780	57670	32710	40820	23770	4603650
1939	102900	45250	61430	144900	90290	241800	116500	23880	23560	23940	14760	1034510	
1940	11180	28390	15340	209800	458000	422400	445200	227400	82140	23220	257600	205600	2386270
1941	140500	400700	145000	563100	1975000	3093000	475800	219900	308000	2523000	1515000	322700	11681700
1942	178100	160100	196100	2586000	896100	651500	176800	167300	365300	476000	488900	179200	6521400
1943	180400	102500	157000	573300	1675000	701300	131800	42310	40730	45550	28710	27490	3706090
1944	17000	13630	12430	15040	8510	23120	10140	41890	6600	9060	7480	37640	202540
1945	16660	37670	530000	1214000	1251000	471300	1220000	299800	162100	1683000	140700	61920	7088150
1946	260100	525300	291700	243800	230300	527500	272800	132700	118500	183300	290000	705500	3781500
1947	314900	239500	133400	376000	1401000	1552000	259300	143600	137700	135100	79810	144600	4916910
1948	149700	149800	165300	206300	174600	356800	716300	156700	126400	113100	128900	122000	2565900
1949	158000	133900	180400	139800	558800	835400	141900	151100	145900	181100	164500	181300	2972100
1950	156100	172400	109000	141500	852400	515400	443100	1572000	614500	493700	174400	184200	5428700
1951	177700	183500	143500	124400	853900	1545000	837400	191800	152500	113200	98770	111600	4533270
1952	163200	105700	116500	180300	151300	169200	166500	193100	100700	147200	90230	83330	1667260
1953	92440	70410	43700	104000	90790	125400	154800	180300	159100	135000	70560	136600	1363100
1954	123600	121900	153300	161600	762400	568500	283400	196000	146500	68210	117200	127800	2830410
1955	20000	56400	50510	69880	196900	692400	219400	221300	160000	907500	284000	249200	3127490
1956	223000	231000	138300	64810	126500	86200	97170	84890	84690	4100	4740	41610	1187010
1957	130000	84020	91080	190500	2134000	3984000	775300	150800	289900	351700	550000	323400	9054700
1958	102600	244200	98990	184200	708500	139500	175600	152800	96020	112100	113800	91210	2219520
1959	139400	42890	149500	134700	43780	126000	243000	284200	182900	983200	154700	414300	2898570
1960	486000	429500	255100	191300	166200	212700	232700	136300	114900	740100	193100	307300	3465200
1961	304900	117900	165800	361600	149600	179500	210000	168800	213800	296000	270200	263000	2701100
1962	184700	102000	76710	118900	75320	1121000	278100	266700	224500	276400	242800	364700	3331830
1963	270600	63090	89080	170300	159600	151100	177600	138400	89300	66350	47770	68080	1491270
1964	75420	81540	66540	95110	101600	118700	154300	150600	70050	59670	48490	55870	1077890
1965	112800	113000	100100	110100	119200	165300	193900	166400	161500	126400	146800	121500	1637000
1966	195500	107500	80520	178100	323900	210600	211100	129900	204800	241200	152400	156000	2191520
1967	99950	107300	52340	73420	136000	177100	159700	174600	163300	131100	92720	64480	1432010
1968	67780	73850	57910	309600	759100	862200	222900	184200	168100	218900	92410	114200	3131150
1969	227100	370400	474000	459300	1168000	224200	218600	144100	139700	146900	154400	173600	3900300
1970	225400	143200	193800	134300	100000	143300	151300	188500	120400	64200	120100	204400	1788900
1971	158100	66870	80300	93500	91860	91720	123000	149700	50990	135200	148600	172600	1362440
1972	296400	255700	142500	65490	107100	176900	107300	58620	64190	104500	109000	154000	1641700

RED RIVER BASIN

7331600 Red River at Denison Dam near Denison, Texas--Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1973	145400	364000	585200	977500	710800	1030000	219000	262100	241700	628200	367700	639200	6170800
1974	162300	80500	190500	103200	628400	357200	142800	171500	262700	317200	112400	210400	2739100
1975	185900	426100	594600	577800	816900	145500	445800	639000	215800	146400	121300	128400	4445500
MAX	836000	1100000	637600	2586000	2690000	3984000	1220000	1572000	1000000	2523000	1515000	705500	11681700
MIN	11180	13630	12430	15040	8510	23120	10140	12890	6600	4100	4740	14760	202540
MEAN	178660	181854	187461	324866	612955	570018	276068	202641	203901	361892	184221	190747	3475284
NO.	52	52	52	52	52	52	52	52	52	53	53	53	52
DISTR OF MEAN	5.1%	5.2%	5.4%	9.3%	17.6%	16.4%	7.9%	5.8%	5.9%	10.4%	5.3%	5.5%	100%

RED RIVER BASIN

07332600 Bois d' Arc Creek near Randolph, Texas

LOCATION: Lat 33°28'32", long 96°12'52", Fannin County, at the bridge on State Highway 11, 2.3 mi (3.7 km) upstream from Henson Creek, and 2.4 mi (3.9 km) east of Randolph.

DRAINAGE AREA: 72 mi² (186 km²).

PERIOD OF RECORD: December 1962 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 564.38 ft (172.023 m) above mean sea level.

AVERAGE DISCHARGE: 14 years, 43,621 ac-ft/yr (53.8 hm³/yr).

EXTREMES: Period of record (1962-75): Maximum discharge, 13,000 ft³/s (368 m³/s) Dec. 9, 1971, and Oct. 31, 1974 (gage height, 22.28 ft or 6.791 m); maximum gage height, 22.31 ft (6.800 m) December 9, 1971; no flow at times most years.

Maximum stage since at least 1922, 24.6 ft (7.50 m) occurred in 1935, from information by the State Highway Department and a local resident.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1962	-	-	-	-	-	-	-	-	-	-	-	1540	-
1963	582	295	839	3960	1250	146	84.0	0	0	0	0	0	7156
1964	0	0	411	2720	2810	3120	2.80	2.80	10920	565	9150	1520	31222
1965	1720	10260	1230	1150	2760	1150	174	0	4510	38.0	204	103	23299
1966	76.0	3000	732	33220	4560	254	14.0	33.0	459	3.40	2.40	48.0	42402
1967	57.0	55.0	1710	4190	12450	3340	252	1.30	10260	1620	700	2480	37115
1968	4920	2470	17510	15590	11430	4320	2630	124	7530	1540	4920	4460	77444
1969	6040	6340	7320	4490	24720	1360	53.0	1.70	1.30	264	40.0	1930	52560
1970	457	7810	9370	10950	1410	752	11.0	77.0	2880	888	469	242	35316
1971	491	885	419	128	769	16.0	210	192	562	13840	1640	31660	50812
1972	1110	636	415	245	188	1.00	0	0	74.0	3730	4780	1050	12229
1973	3910	4730	12310	7360	3530	7870	581	81.0	22040	17200	12370	5740	97722
1974	2640	1560	1020	5240	1670	8950	56.0	262	8280	13580	11360	5550	60168
1975	6420	16040	3920	4010	2730	8790	130	86.0	.30	0	0	1.90	42128
MAX	6420	16040	17510	33220	24720	8950	2630	262	22040	17200	12370	31660	97722
MIN	0	0	411	128	188	1.00	0	0	0	0	0	0	7156
MEAN	2186	4160	4400	7173	5406	3082	323	66.2	5194	4098	3510	4023	43621
NO.	13	13	13	13	13	13	13	13	13	13	13	14	13
DISTR OF MEAN	5.0%	9.5%	10.1%	16.4%	12.4%	7.1%	.7%	.2%	11.9%	9.4%	8.0%	9.2%	100%

RED RIVER BASIN

07335390 Pat Mayse Lake near Chicota, Texas

LOCATION: Lat 33°51'10", long 95°32'38", Lamar County, on the upstream side of the dam on Sanders Creek, 2,800 ft (853 m) to the right of the outlet channel, 2.0 mi (3.2 km) southeast of Chicota, and 4.6 mi (7.4 km) upstream from the Red River.

DRAINAGE AREA: 175 mi² (453 km²).

PERIOD OF RECORD: October 1967 to December 1975. Prior to October 1970, published as "Pat Mayse Reservoir".

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to May 10, 1968, nonrecording gage at present site and datum.

EXTREMES: Period of record (1967-75): Maximum contents, 208,000 ac-ft (256 hm³) Dec. 11, 12, 1971 (elevation, 462.87 ft or 141.083 m); minimum contents since the conservation pool was first reached on Apr. 20, 1968, 109,600 ac-ft (135 hm³) Oct. 20, 21, 1972 (elevation, 448.42 ft or 136.678 m).

REMARKS: The lake is formed by a rolled earthfill dam about 7,080 ft (2,160 m) long, including an emergency spillway 100 ft (30 m) wide located near the right abutment of the dam. The capacity of the lake is 352,700 ac-ft (434.9 hm³). The dam was completed and deliberate impoundment began on Sept. 28, 1967. The flood-control outlet works consist of an uncontrolled morning glory-type drop inlet spillway that is connected to a 7.25-foot diameter (2.21-m) concrete conduit through the dam. A 24-inch diameter (610-millimeter) and a 12-inch (305-millimeter) low-flow pipe are provided for additional outlets. The dam is operated by the U.S. Army Corps of Engineers.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1967	-	-	-	-	-	-	-	-	-	11810	12740	29230
1968	41090	45990	100300	132600	137100	137100	132300	127700	133500	127300	141400	136800
1969	155500	149200	139700	133300	171100	134200	126000	122600	122400	123800	123200	133400
1970	127700	141300	135200	149200	130100	125900	123300	120200	129100	131400	128800	126200
1971	126600	128300	126400	125000	125800	122900	124000	122600	121600	136800	129400	174600
1972	133900	128200	125200	124200	122300	119900	116500	113300	111600	120800	128900	128800
1973	132900	131000	138900	140600	129300	128800	124500	121100	128800	135600	136900	132500
1974	132000	128200	126200	132300	129200	129900	123800	123900	140100	141900	143000	131800
1975	130600	134100	132800	129700	133700	133600	126000	122300	119400	116000	114400	113600
MAX	155500	149200	139700	149200	171100	137100	132300	127700	140100	141900	143000	174600
MIN	41090	45990	100300	124200	122300	119900	116500	113300	111600	11810	12740	29230
MEAN	122536	123286	128088	133363	134825	129038	124550	121713	125813	116157	117638	122992
NO.	8	8	8	8	8	8	8	8	8	9	9	9
DISTR												
OF MEAN	8.2%	8.2%	8.5%	8.9%	9.0%	8.6%	8.3%	8.1%	8.4%	7.7%	7.8%	8.2%

RED RIVER BASIN

07335400 Sanders Creek near Chicota, Texas

LOCATION: Lat 33°51'10", long 95°32'28", Lamar County, on the upstream side of Pat Mayse Dam, 2,800 ft (853 m) to the right of the morning-glory drop inlet, 2.0 mi (3.2 km) southeast of Chicota, and 4.6 mi (7.4 km) upstream from the mouth.

DRAINAGE AREA: 175 mi² (453 km²), at Pat Mayse Dam; 184 mi² (477 km²) at former site 2.6 mi (4.2 km) downstream.

PERIOD OF RECORD: October 1967 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 440.00 ft (134.112 m) above mean sea level, datum of 1929. Prior to October 1, 1967, at site 2.6 mi (4.2 km) downstream at datum 52.77 ft (16.084 m) lower. Oct. 1, 1967 to Sept. 30, 1970, at datum 10.00 ft (3.084 m) higher.

AVERAGE DISCHARGE: 9 years, 118,159 ac-ft/yr (145.7 hm³/yr).

EXTREMES: Period of record (1967-75): Maximum outflow, 1,060 ft³/s (30.0 m³/s) May 19, 1969 (gage height, 10.20 ft or 3.109 m, datum then in use); maximum gage height, 22.87 ft (6.971 m) Dec. 11, 12, 1971; no flow at times each year.

REMARKS: Records fair. The flow represents the uncontrolled outflow from Pat Mayse Lake (station 07335390). The flow downstream from the dam is affected by local runoff and backwater from the Red River.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1967	-	-	-	-	-	-	-	-	-	0	0	0	-
1968	0	0	0	4270	24070	12830	9080	4970	8460	5780	5890	21550	96900
1969	12280	40100	35140	16510	54950	41960	4830	181	0	0	0	776	206727
1970	6300	16030	36770	18230	23050	2280	191	0	582	6810	5350	1710	117303
1971	1440	1220	2370	437	579	309	0	0	0	14510	9180	47740	77785
1972	42960	6010	1300	460	0	0	0	0	0	0	6060	4840	61216
1973	5100	13910	40090	25210	14860	8400	1340	0	2950	5130	21920	13380	152290
1974	8600	4520	2210	3280	11520	18250	1670	20	19240	11120	50580	25120	156110
1975	7180	31610	12450	10170	12720	26900	4250	255	0	0	0	0	105535
MAX	42960	40100	40090	25210	54950	41960	9080	4970	19240	14510	50580	47740	206727
MIN	0	0	0	460	0	0	0	0	0	0	0	0	61216
MEAN	10483	14175	16291	9769	17719	13866	2670	676	3904	4817	10998	12791	118159
NO.	8	8	8	8	8	8	8	8	8	9	9	9	8
DISTR OF MEAN	8.9%	12.0%	13.8%	8.3%	15.0%	11.7%	2.3%	.6%	3.3%	4.1%	9.3%	10.8%	100%

RED RIVER BASIN

07335500 Red River at Arthur City, Texas

LOCATION: Lat 33°52'32", long 95°30'08", in NW¼ sec. 11, T. 8 S., R. 17 E., Choctaw County, Oklahoma, at the bridge on U.S. Highway 271 at Arthur City, 10.6 mi (17.1 km) downstream from Muddy Boggy River, and 26.0 mi (41.8 km) upstream from Kiamichi River.

DRAINAGE AREA: 44,531 mi² (115,335 km²), of which 5,936 mi² (15,374 km²) is probably noncontributing.

PERIOD OF RECORD: October 1905 to December 1911, July 1936 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 380.07 ft (115.845 m) above mean sea level, datum of 1929. From 1905-11, nonrecording gage at the St. Louis-San Francisco Railway Co. bridge 200 ft (61 m) upstream at same datum. July 1, 1936 to Mar. 24, 1940, nonrecording gage at present site and datum.

AVERAGE DISCHARGE: 47 years (1905-11, 1936-75), 6,010,143 ac-ft/yr (7,410.5 hm³/yr).

EXTREMES: Period of record (1905-11, 1936-75): Maximum discharge, 400,000 ft³/s (11,300 m³/s) May 28, 1908 (gage height, 43.2 ft or 13.17 m); minimum, 130 ft³/s (3.68 m³/s) Dec. 11, 12, 1956 (gage height, 4.49 ft or 1.369 m).

REMARKS: Records good. The flow is regulated since October 1943 by Lake Texoma (station 07331500) located 92.8 mi (149.3 km) above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1905	-	-	-	-	-	-	-	-	-	293000	363000	543000	-
1906	367000	385000	329000	570000	1450000	711000	478000	1400000	970000	381000	180000	351000	7572000
1907	463000	246000	551000	236000	969000	1120000	694000	260000	135000	531000	302000	459000	5966000
1908	403000	460000	559000	1800000	4060200	5580000	985000	249000	186000	630000	251000	650000	15813200
1909	180000	138000	154000	163000	237000	512000	218000	119000	84100	69500	168000	393000	2435600
1910	175000	140000	126000	339000	285000	252000	274000	175000	105000	86100	76200	75200	2108500
1911	73200	166000	139000	171000	149000	207000	352000	256000	393000	134000	117000	384000	2541200
1912	-	-	-	-	-	-	-	-	-	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	-	-	-	-
1915	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	-	-	-	-
1919	-	-	-	-	-	-	-	-	-	-	-	-	-
1920	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	-	-	-	-	-	-	-	-	-	-	-	-	-
1924	-	-	-	-	-	-	-	-	-	-	-	-	-
1925	-	-	-	-	-	-	-	-	-	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	74890	27120	991900	732600	100000	152300	-
1937	608800	227700	341100	508500	164900	813500	139900	330700	270800	280000	197500	248900	4132300
1938	543700	2567000	1119000	1141000	1031000	693600	225700	154200	67380	35650	42050	30350	7650630
1939	108100	131000	144500	540800	132800	250700	221000	119800	35390	24800	31570	20970	1761430
1940	18200	48790	29160	516400	1076000	893100	730600	303700	108500	32850	349300	473500	4580100
1941	335000	596600	252900	1285000	2602000	3642000	597400	242000	326700	2688000	1959000	456700	14983300
1942	232600	294400	346600	4483000	1600000	1272000	283500	210400	415100	518900	676500	322600	10655600
1943	254300	152300	301400	857000	2477000	1129000	175700	54210	53720	62540	45720	50190	5613080
1944	75900	353500	429300	125800	555500	284300	29210	45200	20510	55100	44070	145800	2164190
1945	99510	835900	2328000	2290000	1650000	1998000	1626000	585500	286700	2196000	246200	92920	14234730
1946	509600	1344000	635000	507000	700800	928100	320400	261000	196300	204400	1261000	1629000	8496600
1947	426000	284800	345700	972700	1891000	1849000	349500	200400	155300	146000	110800	294200	7025400
1948	302800	551200	467500	263000	771000	508000	1099000	180600	137500	122000	140000	132700	4675300
1949	601500	515500	477100	311800	1027000	1141000	188500	157100	186900	297000	173100	221300	5297800
1950	675800	885000	185600	181600	1812000	652600	1067000	2146000	1131000	557000	202100	213700	9709400
1951	202300	545800	256200	226500	809800	2484000	1036000	201900	183300	137200	171300	133100	6387400
1952	166000	133800	258100	1019000	333800	212200	162400	195700	113500	140300	122900	104000	2961700
1953	104800	92830	239600	679300	786600	157200	500200	240800	186400	162400	109300	197700	3457130
1954	299800	170800	160300	238000	1710000	677000	310300	210000	145100	432100	134900	200100	4688400

RED RIVER BASIN

07335500 Red River at Arthur City, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1955	118200	265200	381500	233100	329200	703900	306200	228200	319900	955200	308300	270100	4419000
1956	248200	391800	182100	79940	230900	123400	97540	86630	86790	16190	14400	54970	1612860
1957	133900	210400	282700	1612000	3885000	4988000	973200	171100	818600	443000	1320000	518100	15356000
1958	453300	355700	561200	463200	1627000	241200	209100	236700	124900	117000	139900	102700	4631900
1959	132400	63190	271900	243600	183100	166200	602500	330800	201000	1286000	275900	659000	4415590
1960	833100	644300	471600	258200	651300	273100	337400	174200	162000	756200	289900	669800	5521100
1961	475800	343800	350600	613200	308400	235500	286600	182400	282400	420700	492100	608600	4600100
1962	336300	200500	215000	491800	179000	1450000	310000	308800	444300	517800	495300	631900	5580700
1963	336500	113900	202400	312600	293100	154100	193900	142900	88370	61690	48330	68550	2016340
1964	69210	99210	177000	300000	203000	291000	133000	187400	361200	117400	350300	146400	2435120
1965	219500	442100	192200	213600	421400	228100	211000	180000	260200	138100	168800	134300	2809300
1966	197600	398900	135600	811600	841200	207500	226500	155500	233000	242100	137300	156900	3743700
1967	106500	108100	68720	709900	393200	495700	305100	183100	531800	166700	211100	195400	3475320
1968	439300	325700	990600	991300	1658000	1215000	363200	253700	318800	264800	369600	504400	7694400
1969	491800	1016000	1020000	781500	2600000	422000	245700	178000	163700	442100	221100	300400	7882300
1970	425200	405000	703800	590400	415400	317700	158300	217600	267200	575600	216900	258100	4551200
1971	264600	167500	156400	275900	241200	161000	178600	205500	90740	480500	236200	1380000	3838140
1972	429700	323600	190800	176700	202500	191500	140700	68130	75620	234000	758700	237600	3029550
1973	411800	718200	1551000	1826000	1243000	1666000	313000	319000	658300	1179000	959000	1196000	12040300
1974	293500	208400	346100	259100	1006000	829900	162600	231000	623700	457300	2212000	533100	7162700
1975	402900	1038000	1191000	1002000	1042000	1917000	499500	808500	282400	174800	150200	206000	8714300
MAX	833100	2567000	2328000	4483000	4060200	5580000	1626000	2146000	1131000	2688000	2212000	1629000	15813200
MIN	18200	48790	29160	79940	132800	123400	29210	27120	20510	16190	14400	20970	1612860
MEAN	312116	424565	440384	703801	1027451	983224	399823	286402	288696	425439	360635	357607	6010143
NO.	45	45	45	45	45	45	46	46	46	47	47	47	45
DISTR													
OF MEAN	5.2%	7.1%	7.3%	11.7%	17.1%	16.4%	6.7%	4.8%	4.8%	7.1%	6.0%	6.0%	100%

RED RIVER BASIN

07336750 Little Pine Creek near Kanawha, Texas

LOCATION: Lat 33°50'26", long 95°15'55", Red River County, at the bridge on Farm Road 410, 1.6 mi (2.6 km) south of Kanawha, and 2.5 mi (4.0 km) upstream from the mouth.

DRAINAGE AREA: 75.4 mi² (195.3 km²).

PERIOD OF RECORD: December 1968 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 389.26 ft (118.646 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 8 years, 67,153 ac-ft/yr (82.8 hm³/yr).

EXTREMES: Period of record (1968-75): Maximum discharge, 30,200 ft³/s (855 m³/s) Dec. 10, 1971 (gage height, 21.26 ft or 6.480 m); no flow at times each year.

Maximum stage since 1948, that of December 10, 1971.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1968	-	-	-	-	-	-	-	-	-	-	-	50 70	-
1969	20600	15930	12690	4 110	31990	61.0	0	0	0	11.0	5.70	24 30	88 028
1970	1350	5810	19370	12840	2320	1130	218	80.0	351	1130	1710	20 30	48 339
1971	499	1950	1730	83.0	8280	71.0	1560	115	11.0	13470	168	570 20	84 957
1972	2180	722	180	22.0	19.0	0	0	0	0	2000	12220	40 50	21 393
1973	5960	8270	27600	24 340	54 30	8290	283	.60	5300	8540	17140	136 00	124 754
1974	10020	1070	244	2250	4130	1180	0	0	9940	1970	27870	102 70	68 944
1975	3110	16630	8590	3580	4520	3840	120	7.30	0	0	0	0	40 397
MAX	20600	16630	27600	24 340	31990	8290	1560	115	9940	13470	27870	570 20	124 754
MIN	499	722	180	22.0	19.0	0	0	0	0	0	0	0	21 393
MEAN	6246	7197	10086	6746	8098	2082	312	29.0	2229	3874	8445	118 09	67 153
NO.	7	7	7	7	7	7	7	7	7	7	7	8	7
DISTR OF MEAN	9.3%	10.7%	15.0%	10.0%	12.1%	3.1%	.5%	.0%	3.3%	5.8%	12.6%	17.6%	100%

RED RIVER BASIN

07336800 Pecan Bayou near Clarksville, Texas

LOCATION: Lat 33°41'07", long 94°59'41", Red River County, at the bridge on Farm Road 1159, 0.2 mi (0.3 km) downstream from Tanyard Bayou, 4.3 mi (6.9 km) upstream from Little White Oak Creek, and 6.0 mi (9.7 km) northeast of Clarksville.

DRAINAGE AREA: 100 mi² (259 km²).

PERIOD OF RECORD: January 1962 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 360.00 ft (109.728 m) above mean sea level, datum of 1929. Prior to October 1, 1970, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE: 14 years, 80,918 ac-ft/yr (75.1 hm³/yr).

EXTREMES: Period of record (1962-75): Maximum discharge, 21,300 ft³/s (603 m³/s) December 10, 1971 (gage height, 15.92 ft or 4.852 m); no flow at times.

Maximum stage since at least 1910, about 17 ft (5.2 m), present datum, in 1957, from information by local residents.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1962	12750	8400	5820	12480	4470	872	737	76.0	2090	2050	3440	1060	54245
1963	2300	153	8590	482	722	35.0	1100	7.50	36.0	2.00	0	0	13428
1964	0	0	2830	19900	698	112	1.60	0	412	7.50	103	181	24245
1965	5100	22540	2460	837	4240	1880	53.0	0	126	57.0	3.30	0	37296
1966	4.40	2780	119	31150	8420	24.0	0	0	0	19.0	.60	22.0	42539
1967	23.0	77.0	202	11700	17680	10390	127	0	0	1230	617	5650	47696
1968	5230	10140	25510	20180	25350	15270	23.0	.30	58.0	283	1450	6750	110244
1969	17820	18730	9970	3430	33410	19.0	0	0	0	0	4.70	1960	85344
1970	1640	9590	21340	11450	1960	.60	0	0	0	152	403	118	46654
1971	322	1020	2630	43.0	10220	129	220	184	0	802	9.00	54460	70039
1972	1400	718	146	32.0	4.00	0	0	0	0	10.0	6320	5160	13790
1973	6360	10420	34250	34120	880	12850	117	1.10	470	6370	35220	21160	162218
1974	23870	1360	331	615	1850	16460	.30	0	8750	1230	28320	15560	98346
1975	2420	19950	12570	5330	5120	1380	2.70	.08	0	0	0	0	46773
MAX	23870	22540	34250	34120	33410	16460	1100	184	8750	6370	35220	54460	162218
MIN	0	0	119	32.0	4.00	0	0	0	0	0	0	0	13428
MEAN	5660	7563	9055	10839	8216	4244	170	19.2	653	872	5421	8006	60918
NO.	14	14	14	14	14	14	14	14	14	14	14	14	14
DISTR													
OF MEAN	9.3%	12.4%	14.9%	17.8%	13.5%	7.0%	.3%	.0%	1.4%	1.4%	8.9%	13.1%	100%

RED RIVER BASIN

07336820 Red River near De Kalb, Texas

LOCATION: Lat 33°41'15", long 94°41'39", Bowie County, Texas-McCurtain County, Oklahoma State line, at the bridge on U.S. Highway 269, 4.8 mi (7.7 km) upstream from North Mill Creek, and 13 mi (21 km) north of De Kalb.

DRAINAGE AREA: 47,348 mi² (122,631 km²), of which 5,936 mi² (15,374 km²) is probably noncontributing.

PERIOD OF RECORD: December 1967 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 302.92 ft (92.330 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 9 years, 10,051,886 ac-ft/yr (12,394.0 hm³/yr).

EXTREMES: Period of record (1967-75): Maximum discharge, 189,000 ft³/s (5,350 m³/s) Dec. 11, 1971 (gage height, 31.55 ft or 9.616 m, from graph based on gage readings); minimum, 431 ft³/s (12.2 m³/s) Sept. 4, 5, 1972.

The greatest flood since 1936 occurred in February 1938, stage unknown.

REMARKS: Records good. The flow is partly regulated by Lake Texoma (station 07331500) located 169 mi (272 km) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1967	-	-	-	-	-	-	-	-	-	-	-	-	475300
1968	638100	713900	1615000	1621000	2419000	1560000	464600	340700	448800	351600	539500	944500	11656700
1969	697500	1721000	1493000	956600	3740000	650000	291800	184100	161100	503900	252300	309700	10961000
1970	551900	505700	1162000	931200	615900	485000	160100	217000	286800	785100	381500	267000	6349200
1971	406300	295600	287900	414600	344200	178600	169900	212700	92900	780800	330600	2794000	6308100
1972	628400	514800	318600	330800	289400	201700	159700	87220	90400	192100	1680000	435000	4928120
1973	663300	1075000	2533000	2907000	2002000	2513000	410500	347100	802000	1511000	1477000	1911000	18151900
1974	511400	273300	478700	441800	1325000	1484000	212000	274600	1429000	665900	3164000	952300	11212000
1975	559000	1677000	1654000	1458000	1341000	2343000	492800	857400	322800	183200	172900	236700	11297800
MAX	697500	1721000	2533000	2907000	3740000	2513000	492800	857400	1429000	1511000	3164000	2794000	18151900
MIN	406300	273300	287900	330800	289400	178600	159700	87220	90400	183200	172900	236700	4928120
MEAN	581988	847038	1192775	1132625	1509563	1176913	295175	315103	454225	621700	999725	925056	10051886
NO.	8	8	8	8	8	8	8	8	8	8	8	9	8
DISTR													
OF MEAN	5.8%	8.4%	11.9%	11.3%	15.0%	11.7%	2.9%	3.1%	4.5%	6.2%	9.9%	9.2%	100%

RED RIVER BASIN

07337000 Red River at Index, Arkansas

LOCATION: Lat 33°33'07", long 94°02'28", in NW¼SW¼ sec. 7, T. 14 S., R. 28 W., Miller County, Arkansas, at the bridge on U.S. Highway 71 at Index, Arkansas, 2.2 mi (3.5 km) south of Ogden, Arkansas, and 20.6 mi (33.1 km) upstream from the Little River.

DRAINAGE AREA: 48,030 mi² (124,400 km²), of which 5,936 mi² (15,374 km²) is probably noncontributing.

PERIOD OF RECORD: July 1936 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 246.87 ft (75.246 m) above mean sea level, datum of 1929. Prior to Dec. 12, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE: 40 years, 8,757,439 ac-ft/yr (10,797.9 hm³/yr).

EXTREMES: Period of record (1936-75): Maximum discharge, 297,000 ft³/s (8,410 m³/s) Feb. 23, 1938 (gage height, 34.25 ft or 10.439 m); minimum, 378 ft³/s (10.7 m³/s) Nov. 28, 1956.

REMARKS: Records good. There is some regulation by Lake Texoma (station 07331500) located 241 mi (388 km) upstream since Oct. 31, 1943 (capacity, 5,392,900 ac-ft or 6,849.4 hm³), by Pat Mayse Lake (station 07335390) since Sept. 28, 1967 (capacity, 352,700 ac-ft or 434.9 hm³), and by Hugo Lake (Oklahoma) since Jan. 18, 1974 (capacity, 966,700 ac-ft or 1,191.9 hm³).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1936	-	-	-	-	-	-	128200	44550	690100	1217000	266900	338800	-
1937	1467000	474800	676600	788400	345300	857300	197800	338000	285800	257400	319400	416100	6423900
1938	1471000	3763000	1252000	2531000	1180000	942100	304300	229800	96830	59310	62530	54980	11946850
1939	137200	473600	370500	1232000	307900	340900	273800	133200	56860	36040	36760	37970	3436730
1940	36060	78600	59350	710900	1381000	1039000	1069000	312700	137200	55470	442600	928600	6250480
1941	620100	909900	666900	1916000	2958000	3709000	831100	246000	403900	2529000	2286000	656600	17732500
1942	380200	447800	619800	4648000	2991000	1344000	451000	241400	462900	547300	788100	509100	13430600
1943	447000	216000	483400	1224000	2729000	1363000	209900	81180	66650	87050	81900	95770	7084850
1944	248300	725600	1200000	469800	1392000	637000	71480	63020	54080	72420	120800	368600	5423100
1945	338700	1437000	4164000	3290000	2495000	3009000	1895000	771300	358400	2564000	387800	1439000	20854100
1946	973100	2164000	1141000	934600	1376000	1219000	389600	256300	232200	226100	2022000	2280000	13213900
1947	626400	373500	665200	1257000	2679000	2136000	460000	203500	191800	163300	159800	577800	9493300
1948	603000	819400	1008000	385600	1350000	556600	1171000	207600	162400	131200	161800	176500	6733100
1949	1408000	1166000	910500	560000	1379000	1465000	274500	186100	217300	431800	229500	320600	8548300
1950	1406000	1943000	353600	219900	2463000	748100	1487000	2412000	1806000	720800	248200	2186000	14026200
1951	313800	1178000	487100	475100	796700	3236000	1433000	244400	233900	167900	352600	272700	9191200
1952	317600	242900	562000	2066000	474800	290000	183400	198400	139000	130000	190900	294100	5089100
1953	205000	230300	675400	1161000	2084000	201400	665800	324900	199300	183500	142300	239100	6312000
1954	569200	345200	206600	363900	2235000	846000	317300	229100	153200	677100	243400	238600	6424600
1955	353900	503800	796300	448200	457800	712900	366800	262900	527500	1108000	314500	287000	6139600
1956	255900	819900	280600	124700	468400	189200	106400	101000	88340	44050	38220	74150	2590860
1957	207100	509400	653000	2845000	5381000	5617000	1328000	204500	1056000	700100	1992000	873200	21366300
1958	913500	491000	1079000	890600	2783000	327400	420700	295000	200800	159200	252600	168200	7981000
1959	175700	243900	466900	487800	348500	202400	768900	435700	264000	1423000	359000	1038000	6213800
1960	1252000	840200	677700	364600	1238000	362800	483300	296500	214100	709800	429400	1162000	8030400
1961	708300	579700	625200	1118000	643300	324000	514300	249000	312100	470400	784400	962500	7291200
1962	708300	525900	480400	852200	389000	1502000	423400	307400	509300	777500	639400	850500	7965300
1963	430000	169100	471500	382400	551200	207400	275300	174500	117100	84490	64920	93460	3021370
1964	83600	122300	420000	803000	362700	340800	145200	220800	440600	342500	488100	254600	4024200
1965	339200	864600	388000	456200	580700	417400	228200	191000	363700	169800	215900	160600	4375300
1966	197300	716000	201300	1046000	1603000	249200	267700	241200	267300	288100	186300	213500	5476900
1967	172500	131700	137300	1222000	971400	714800	458200	214200	730600	216800	370000	473600	5813100
1968	599900	951000	1584000	1698000	3000000	1859000	528600	325200	389700	348300	450800	969800	12704300
1969	743500	1901000	1601000	921400	3629000	628200	283200	196200	171800	506700	245600	325300	11152900
1970	688400	547100	1445000	973300	739200	465200	180300	223600	282100	746900	406500	247800	6945400
1971	403500	292300	347900	382200	368000	222500	166700	236900	91440	662200	282900	2711000	6167540
1972	658000	449600	272700	287000	258200	202600	154100	103900	87830	175300	1610000	418300	4677530
1973	580800	1085000	2415000	2550000	1990000	2355000	402500	328700	627900	1406000	1375000	1896000	17011900
1974	600800	277800	466200	419600	1229000	1524000	228100	274300	1242000	727300	2805000	1112000	10906100
1975	598800	1458000	1442000	1305000	1214000	1924000	531800	844000	299800	189600	173200	229200	10209400
MAX	1471000	3763000	4164000	4648000	5381000	5617000	1895000	2412000	1806000	2564000	2805000	2711000	21366300
MIN	36060	78600	59350	124700	258200	189200	71480	44550	54080	36040	36760	37970	2590860
MEAN	570222	781228	814178	1123344	1508259	1135569	501872	311249	355796	537818	550676	567228	8757439
NO.	39	39	39	39	39	39	40	40	40	40	40	40	39
DISTR													
OF MEAN	6.5%	8.9%	9.3%	12.8%	17.2%	13.0%	5.7%	3.6%	4.1%	6.1%	6.3%	6.5%	100%

SULPHUR RIVER BASIN

07342500 South Sulphur River near Cooper, Texas

LOCATION: Lat 33°21'20", long 95°35'39", Hopkins-Delta County line, at the bridge on State Highways 19 and 154, 1.0 mi (1.6 km) downstream from Big Creek, 1.0 mi (1.6 km) upstream from Brushy Creek, 4.5 mi (7.2 km) downstream from Doctors Creek, and 5.6 mi (9.0 km) southeast of Cooper.

DRAINAGE AREA: 527 mi² (1,365 km²).

PERIOD OF RECORD: June 1942 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 371.91 ft (113.358 m) above mean sea level, datum of 1929. Prior to Oct. 1, 1970, at datum 3.00 ft (0.914 m) higher. May 9, 1942 to Nov. 8, 1949, nonrecording gage, and Nov. 9, 1949 to May 13, 1955, water-stage recorder at site 700 ft (213 m) to right of present gage.

AVERAGE DISCHARGE: 34 years, 301,408 ac-ft/yr (371.6 hm³/yr).

EXTREMES: Period of record (1942-75): Maximum discharge, 42,500 ft³/s (1,200 m³/s) Dec. 10, 1971 (gage height, 26.15 ft or 7.971 m, from floodmark in gage well); no flow at times.

REMARKS: Records good. There are several small diversions upstream from the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1942	-	-	-	-	-	39020	2160	2960	10760	442	8180	27410	-
1943	194	2360	46300	6540	20870	39250	192	0	40	88.0	1250	4790	121834
1944	12480	38430	55870	14050	118500	17090	1130	3250	580	0	5380	38460	305220
1945	16550	84730	126800	36110	14370	59480	29650	111	8580	46390	3190	41.0	426002
1946	36380	79590	31630	24010	110300	41040	502	14240	246	199	124300	27670	490107
1947	8610	420	17490	22140	30330	5650	25.0	6570	355	254	18350	56130	166324
1948	39340	35760	41740	17250	71000	3030	3930	76.0	0	49.0	0	2180	214355
1949	102500	69600	43680	16520	16680	10910	5070	1450	991	54210	270	3280	325161
1950	58860	160500	7550	7960	91110	19310	8980	1420	77690	157	28.0	50.0	433615
1951	861	45340	645	312	4380	122100	10090	1.20	4.00	783	1220	322	186058
1952	3950	1890	5140	105600	33710	5960	1.20	0	0	0	15550	22330	194131
1953	11900	1160	28200	104200	55540	28.0	11910	551	24.0	142	8560	29450	251665
1954	43330	6680	131	12010	44040	3910	0	0	0	50710	12090	575	173476
1955	1320	22920	23150	18000	8840	65.0	2510	3290	845	1560	0	0	82500
1956	14.0	21620	33.0	413	23790	1470	0	0	0	0	2520	2050	51910
1957	6720	15800	50850	259200	207600	69690	407	4260	30500	30130	148700	11010	834867
1958	34460	849	54300	94870	141900	29480	15970	79.0	3280	584	852	741	377365
1959	1100	12730	8040	6730	2250	9080	20960	1570	1410	21150	18290	67490	170800
1960	49620	16490	10820	2240	15940	22850	11680	1640	7920	20070	772	112800	272842
1961	53250	18310	40070	9720	1080	14250	3710	1410	4670	66.0	15000	34090	195626
1962	13590	10470	5640	25690	7280	35860	19960	3410	68820	10050	41080	47600	289450
1963	12920	234	6020	8130	12250	1180	16640	44.0	0	0	0	4.00	57422
1964	13.0	103	9400	23020	18010	24300	4.00	0	22260	448	35880	1220	134658
1965	24530	117600	1410	594	119600	3630	43.0	27.0	6100	51.0	718	31.0	274334
1966	732	27530	890	201800	97930	73.0	504	2390	6500	1880	82.0	697	341008
1967	205	102	2020	55630	47990	77790	1200	101	23420	36800	20820	44670	310748
1968	35070	16480	102200	54850	81540	40920	27270	4280	21150	2960	25800	40120	452640
1969	62500	101600	70260	23640	180600	2540	36.0	.90	.06	5700	2470	29100	478447
1970	10330	58910	87920	60570	6300	3540	45.0	34.0	9020	45280	4450	1610	288009
1971	1130	8410	3910	79.0	101	131	320	10390	1880	127900	839	195200	350290
1972	4960	719	5790	275	795	874	34.0	8.00	247	14030	39370	17400	84502
1973	32040	34220	88310	107700	13760	36100	748	255	75640	78280	98570	37140	602763
1974	76570	3980	9300	86050	14540	112900	120	563	74040	9550	143400	67990	599003
1975	16610	140300	62330	45480	80320	86900	1790	239	48.0	30.0	52.0	209	434308
MAX	102500	160500	126800	259200	207600	122100	29650	14240	77690	127900	148700	195200	834867
MIN	13.0	102	33.0	79.0	101	28.0	0	0	0	0	0	0	51910
MEAN	23413	35025	31753	43981	51310	27659	5812	1901	13441	16469	23472	27172	301408
NO.	33	33	33	33	33	33	34	34	34	34	34	34	33
DISTR OF MEAN	7.8%	11.6%	10.5%	14.6%	17.0%	9.2%	1.9%	.6%	4.5%	5.5%	7.8%	9.0%	100%

SULPHUR RIVER BASIN

07343000 North Sulphur River near Cooper, Texas

LOCATION: Lat 33°28'25", long 95°35'15", Delta-Lamar County line, at the bridge on State Highway 19 and U.S. Highway 380, 2.3 mi (3.7 km) upstream from Auds Creek, 5.5 mi (8.8 km) upstream from Hickory Creek, and 8.7 mi (14.0 km) northeast of Cooper.

DRAINAGE AREA: 276 mi² (715 km²).

PERIOD OF RECORD: October 1949 to December 1975.

GAGE: Water-stage recorder and crest-stage gage. Datum of gage is 372.42 ft (113.51 m) above mean sea level. Prior to Nov. 8, 1949, nonrecording gage, Nov. 8, 1949 to May 21, 1960, water-stage recorder at site 50 ft (15 m) upstream at datum 9.00 ft (2.743 m) higher, and May 22, 1960 to Sept. 30, 1970, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE: 27 years, 181,232 ac-ft/yr (223.4 hm³/yr).

EXTREMES: Period of record (1949-75): Maximum discharge, 90,600 ft³/s (2,570 m³/s) Oct. 19, 1971 (gage height, 36.16 ft or 11.022 m, from floodmarks); no flow at times most years.

Maximum stage since at least 1915, that of Oct. 19, 1971.

REMARKS: Records good. In 1928-29, the channel was rectified for a distance of 28 mi (45 km) upstream and 18 mi (29 km) downstream from the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1949	-	-	-	-	-	-	-	-	-	6740	77.0	3490	-
1950	72070	82370	1440	2620	64670	3830	20150	2210	34160	341	99.0	162	284122
1951	288	31320	819	2430	7310	102600	2030	35.0	357	3360	588	70.0	151207
1952	245	240	9280	71230	11860	3630	29.0	0	0	0	10310	42.80	111104
1953	3320	575	16370	66840	22590	40.0	9960	1440	531	521	4460	12440	139087
1954	18870	9950	273	7670	52380	4180	0	0	8.30	34670	3150	550	131701
1955	1460	6520	21410	16940	5150	684	7240	1800	712	1800	0	0	63716
1956	324	39140	624	2610	16060	461	0	0	0	24.0	2160	374	61777
1957	1040	2550	20230	144200	146400	50810	487	3850	19200	5460	83650	8050	485927
1958	20640	1510	34190	56570	70020	33540	2020	77.0	443	53.0	324	340	219727
1959	251	1760	2510	217	359	26530	35490	4100	3930	10770	4660	40820	131397
1960	26660	14630	13930	2220	7200	17760	5790	5550	11190	23880	618	89150	218578
1961	18100	10470	38250	4840	3510	1610	1190	213	2680	30.0	7640	17970	106503
1962	13990	5850	10020	13280	2790	33490	2960	260	29530	14640	48800	2360	177970
1963	6240	525	4690	8690	1430	281	2410	21.0	0	0	2.00	25.0	24314
1964	9.9	168	10730	19810	14330	15810	24.0	21.0	18660	93.0	18780	1930	100366
1965	9870	56310	3340	860	34520	1340	14.0	46.0	4690	5.70	182	46.0	111224
1966	86.0	7270	539	179500	22740	542	67.7	5000	4620	1570	74.0	719	222728
1967	235	495	4600	55370	68790	12520	3030	94.0	19700	17810	2780	31030	216454
1968	17160	12970	75190	37380	54420	50910	23680	2090	29690	6210	19720	23700	353120
1969	44020	21130	35970	8610	79770	2850	106	36.0	51.0	6260	367	22120	221290
1970	3030	59000	53850	41600	5140	462	15.0	0	11760	25260	8200	2670	210987
1971	2220	6920	3320	718	2340	72.0	2600	9830	2240	109700	4140	67300	211400
1972	3470	987	1070	176	150	308	47.0	347	13.0	17090	18060	6130	47848
1973	16080	19930	50660	46040	9650	16940	628	182	34780	75880	52920	17330	341020
1974	19930	2720	1490	16680	10480	49610	99.0	397	23620	30600	47760	15560	218946
1975	16970	61140	17310	13990	34350	32280	3590	149	115	8.80	41.0	108	180052
MAX	72070	82370	75190	179500	146400	102600	35490	9830	34780	109700	83650	89150	485927
MIN	9.9	168	273	176	150	40.0	0	0	0	0	0	0	24314
MEAN	12176	17556	16619	31580	28785	17811	4756	1452	9718	14547	12576	13656	181232
NO.	26	26	26	26	26	26	26	26	26	27	27	27	26
DISTR OF MEAN	6.7%	9.7%	9.2%	17.4%	15.9%	9.8%	2.6%	.8%	5.4%	8.0%	6.9%	7.5%	100%

SULPHUR RIVER BASIN
07343200 Sulphur River near Talco, Texas

LOCATION: Lat 33°23'11", long 95°07'57". Red River-Franklin County line, at the bridge on U.S. Highway 271, 2.2 mi (3.5 km) northwest of Talco, and 3.2 mi (5.1 km) downstream from Mustang Creek.

DRAINAGE AREA: 1,365 mi² (3,535 km²).

PERIOD OF RECORD: October 1956 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 290.82 ft (88.642 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 20 years, 1,083,180 ac-ft/yr (1,335.6 hm³/yr).

EXTREMES: Period of record (1956-75): Maximum discharge, 77,000 ft³/s (2,180 m³/s) Dec. 11, 1971 (gage height, 29.40 ft or 8.961 m, from floodmark); no flow at times in 1957, 1964-65, and 1970.

Floods in 1908 and 1914 each reached a stage of 27.5 ft (8.38 m).

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1956	-	-	-	-	-	-	-	-	-	0	10970	3380	-
1957	18400	48700	134100	618500	718500	337300	848	6280	55330	65850	397200	34850	2435858
1958	110600	3300	134900	188100	481600	72270	49830	1150	16960	2480	23740	3540	1088470
1959	6980	60920	28330	31080	5980	102000	115000	14020	10990	56060	46480	252300	730140
1960	156300	44030	39110	3460	35740	61580	71540	14390	77200	99570	9450	402500	1014870
1961	140400	59120	159700	78030	14960	16020	11830	2940	9320	313	46750	104800	644183
1962	73360	41240	26910	102400	35460	81470	60980	4240	160000	67140	152900	23550	829650
1963	46620	1520	31340	23340	23870	2530	22050	347	48.0	9.9	37.0	79.0	151791
1964	28.0	1450	38630	112300	24520	65630	103	203	50220	6650	97710	5870	403314
1965	71530	335000	10180	4690	303200	17680	171	104	11140	195	625	153	754668
1966	1800	84340	2180	481600	380400	1260	599	6210	17730	26370	108	3780	1006377
1967	1080	1770	11440	308800	170200	256500	44760	174	46700	74610	103600	173400	1193034
1968	116100	68910	384900	238200	333600	234800	59140	18750	78080	15760	123500	206700	1878440
1969	134900	479500	297600	84660	613100	10310	658	49.0	69.0	9430	8650	76730	1715656
1970	49980	194100	299100	211400	29790	8710	371	8.00	23230	135500	30110	7170	989469
1971	5570	23730	11450	671	9400	444	5720	60220	4440	369000	8870	678700	1178215
1972	19350	4870	11150	990	1960	2260	493	339	11.0	31300	173100	77060	322883
1973	105200	132400	446000	339800	50300	133400	2070	823	188800	252300	382500	139300	2172893
1974	173900	12410	11270	110800	30250	287400	328	938	175300	15320	430700	170500	1419116
1975	26130	316600	127900	71400	185200	177400	11290	2050	238	70.0	208	562	919048
MAX	173900	479500	446000	618500	718500	337300	115000	60220	188800	369000	430700	678700	2435858
MIN	28.0	1450	2180	671	1960	444	103	8.00	11.0	0	37.0	79.0	151791
MEAN	66223	100732	116115	158433	181475	98367	24094	7012	48727	61396	102360	118246	1083180
NO.	19	19	19	19	19	19	19	19	19	20	20	20	19
DISTR													
OF MEAN	6.1%	9.3%	10.7%	14.6%	16.8%	9.1%	2.2%	.6%	4.5%	5.7%	9.4%	10.9%	100%

SULPHUR RIVER BASIN

07343300 Cuthand Creek near Bogata, Texas

LOCATION: Lat 33°32'51", long 95°10'22", Red River County, at the bridge on State Highway 37, 6.0 mi (9.7 km) northeast of Bogata, and 8 mi (13 km) upstream from Scatter Creek.

DRAINAGE AREA: 69 mi² (179 km²).

PERIOD OF RECORD: October 1963 to September 1974.

GAGE: Water-stage recorder. Datum of gage is 352.44 ft (107.42 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 12 years, 49,649 ac-ft/yr (61.2 hm³/yr).

EXTREMES: Period of record (1963-74): Maximum discharge, 20,400 ft³/s (578 m³/s) Dec. 10, 1971, gage height, 21.58 ft (6.58 m); no flow at times each year.

Maximum stage since at least 1950, that of Dec. 10, 1971.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1963	-	-	-	-	-	-	-	-	-	0	0	0	-
1964	0	373	4800	8560	1080	812	0	14.0	2590	33.0	1710	289	20261
1965	5810	19450	850	375	6910	876	0	0	214	.20	.10	0	34485
1966	48.0	3900	60.0	29610	6560	14.0	.10	61.0	447	4060	.20	6.95	45455
1967	54.0	152	995	18910	19450	3720	1060	0	23.0	5510	712	5040	55626
1968	5490	2040	19980	11960	9080	9470	232	6.50	471	184	3900	8660	71474
1969	15200	14130	10020	3340	25760	64.0	.40	0	0	6.80	.60	2000	70522
1970	517	7190	16400	7160	924	66.0	.90	0	0	373	738	32.0	33401
1971	422	1330	1310	14.0	2210	8.30	956	406	1.80	4220	320	41740	52938
1972	767	458	71.0	17.0	2.00	0	0	0	0	1660	6500	3780	13255
1973	5650	6790	24780	22700	1530	6280	3.20	0	2450	9650	18350	12020	110203
1974	11400	1090	159	408	863	14940	.90	0	9660	-	-	-	-
MAX	15200	19450	24780	29610	25760	14940	1060	406	9660	9650	18350	41740	110203
MIN	0	152	60.0	14.0	2.00	0	0	0	0	0	0	0	13255
MEAN	4123	5173	7220	9369	6761	3295	205	44.3	1442	2336	2930	6751	49649
NO.	11	11	11	11	11	11	11	11	11	11	11	11	10
DISTR OF MEAN	8.3%	10.4%	14.5%	18.9%	13.6%	6.6%	.4%	.1%	2.9%	4.7%	5.9%	13.6%	100%

SULPHUR RIVER BASIN
07343500 White Oak Creek near Talco, Texas

LOCATION: Lat 33°19'20", long 95°05'33", Titus County, at the bridge on U.S. Highway 271, 0.8 mi (1.3 km) downstream from Lewis Creek, 2.4 mi (3.9 km) upstream from Ripley Creek, and 2.7 mi (4.3 km) south of Talco.

DRAINAGE AREA: 494 mi² (1,279 km²).

PERIOD OF RECORD: December 1949 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 286.45 ft (87.310 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 27 years, 340,098 ac-ft/yr (419.3 hm³/yr).

EXTREMES: Period of record (1949-75): Maximum discharge, 48,000 ft³/s (1,360 m³/s) Dec. 11, 1971 (gage height, 21.20 ft or 6.462 m); no flow at times in 1954, 1956, 1964-65, and 1969-73.

Maximum stage since at least 1870, 22.9 ft (6.98 m) Mar. 31, 1945, from floodmarks and from information by local residents.

REMARKS: Records good. There are several small diversions above the station for municipal water supply.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1949	-	-	-	-	-	-	-	-	-	-	-	108 40	-
1950	71520	199500	39870	9030	114200	10790	11630	9170	63320	680	371	4 54	530535
1951	6260	72600	2930	1460	6680	26510	11620	97.0	1130	1190	3980	97 30	144 187
1952	26590	9980	14660	167600	38840	2880	3630	85.0	35.0	42.0	27920	639 40	356 202
1953	23940	11770	28570	68930	123100	326	19270	990	5780	818	4360	303 50	318 204
1954	63460	31470	2260	4430	49460	548	43.0	1.60	8.30	31430	18320	20 10	203441
1955	4420	12300	12190	35540	1800	301	887	1430	1380	1790	64.0	91.0	72 193
1956	236	28550	726	296	17820	165	22.0	15.0	24.0	29.0	13230	1 14	61 227
1957	8050	17470	64660	225 200	172200	66510	832	1160	18500	37740	157600	147 60	784 682
1958	70750	2500	51790	159400	165200	40150	39520	1640	13190	1620	9960	39 00	559 620
1959	1200	56090	41400	27900	2000	7340	11050	3330	623	15340	13750	999 30	279953
1960	81980	22630	24260	1600	2140	6770	7420	714	7440	15090	6810	135200	312 054
1961	54870	37540	55510	33120	1210	19280	13840	3270	2930	738	26670	475 80	296 558
1962	33170	29030	23430	36 750	25910	5680	6620	1230	23550	10860	31640	223 30	250 200
1963	20000	1780	5700	8 220	38200	5190	3710	311	98.0	2.40	29.0	1 64	83 404
1964	112	3160	8390	42810	5910	12280	29.0	2150	29540	1770	13740	11 10	121 001
1965	5680	94400	7670	2 790	121300	20410	129	14.0	2770	85.0	119	69.0	2554 36
1966	4390	41240	2870	216 900	164600	817	2410	4690	9960	16490	350	34 60	468 177
1967	2860	3840	7070	54 380	56370	55700	4420	327	3480	10770	59420	495 20	308 157
1968	35860	28210	119900	30090	114200	21910	6860	708	9190	348	6230	383 10	411 816
1969	12810	130200	93200	39 380	149100	1700	220	7.40	9180	7.40	1430	90 60	446 295
1970	21090	45850	101600	113500	8530	5080	3190	1370	4270	32800	7690	12 70	346 240
1971	2850	15670	6890	453	721	182	13710	9740	933	37730	2080	2451 00	336 059
1972	27610	7080	5750	1130	788	3860	292	1.00	280	16190	70160	530 70	186 211
1973	41030	54010	134400	138600	7390	55160	3120	47.0	23580	43870	152400	722 60	725 867
1974	100600	9830	10840	64490	6480	70950	524	1130	51570	13850	177600	748 50	582 714
1975	12750	160300	66810	36510	102700	42540	3310	2520	113	107	20.0	2 59	4279 39
MAX	100600	199500	134400	225 200	172200	70950	39520	9740	63320	43870	177600	2451 00	784 682
MIN	112	1780	726	296	721	165	22.0	1.00	8.30	2.40	20.0	69.0	61 227
MEAN	28234	43346	35898	58481	57571	18578	6473	1775	10880	11207	30998	366 57	340 098
NO.	26	26	26	26	26	26	26	26	26	26	26	27	26
DISTR OF MEAN	8.3%	12.7%	10.6%	17.2%	16.9%	5.5%	1.9%	.5%	3.2%	3.3%	9.1%	10.8%	100%

SULPHUR RIVER BASIN
07343800 White Oak Creek below Talco, Texas

LOCATION: Lat 33°18', long 95°01', Titus County, 4 mi (6.4 km) downstream from Ripley Creek, 5 mi (8.0 km) upstream from Green Creek, and 6 mi (9.6 km) southeast of Talco.

DRAINAGE AREA: 579 mi² (1,499.6 km²).

PERIOD OF RECORD: October 1937 to November 1949.

GAGE: Wire-weight gage. Datum of gage is 274.34 ft (83.6 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 13 years, 581,480 ac-ft/yr (717.0 hm³/yr).

EXTREMES: Period of record (1937-49): Maximum discharge, 83,100 ft³/s (2,353.4 m³/s) March 31, 1945 (gage height, 24.1 ft or 7.3 m); no flow at times.

REMARKS: Records poor. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1937	-	-	-	-	-	-	-	-	-	605	25840	177000	-
1938	271400	100500	54030	153200	1140	7540	3740	163	152	0	1870	241	593976
1939	12240	111200	35700	32820	642	1500	1340	9.3	0	13.0	80.0	170	195714
1940	267	4120	3520	64190	40760	32400	25110	390	821	64.0	47090	92440	311172
1941	25900	34670	94150	82220	130200	43240	15590	3510	1140	878	6840	17540	455878
1942	2860	7520	24660	280100	49440	28240	2430	2250	3770	473	2700	30840	435283
1943	11170	3260	33920	8330	14490	92610	930	244	732	3770	231	4030	173717
1944	13960	29560	95000	21010	183100	25680	663	410	3010	505	7930	35520	416348
1945	48460	104500	353500	142600	37150	184000	129200	3130	3340	143300	17280	2810	1169270
1946	184100	267600	79040	41160	306400	163800	2220	4330	5510	1380	171700	92230	1319470
1947	36890	3740	46910	80720	126500	3500	724	839	2570	823	57440	180000	540656
1948	46060	94190	101900	18650	220500	2580	3200	1510	833	1190	2040	1620	494273
1949	145900	137100	59050	30200	59500	5920	2810	1050	2380	280700	3818	-	-
MAX	271400	267600	353500	280100	306400	184000	129200	4330	5510	280700	171700	180000	1319470
MIN	267	3260	3520	8330	642	1500	663	9.3	0	0	80.0	170	173717
MEAN	66601	74830	81782	79600	97485	49251	15663	1486	2022	33362	26528	52870	581480
NO.	12	12	12	12	12	12	12	12	12	13	13	12	11
DISTR OF MEAN	11.5%	12.9%	14.1%	13.7%	16.8%	8.5%	2.7%	.3%	.3%	5.7%	4.6%	9.1%	100%

SULPHUR RIVER BASIN

07344000 Sulphur River near Darden, Texas

LOCATION: Lat 33°15', long 94°37', Bowie-Cass County line, at the bridge on U.S. Highway 67, 0.6 mi (1.0 km) upstream from the St. Louis-Southwestern Railway Co. bridge, and 1 mi (1.6 km) southwest of Darden.

DRAINAGE AREA: 2,774 mi² (7,185 km²).

PERIOD OF RECORD: October 1923 to December 1956.

GAGE: Wire-weight gage. Datum of gage is 220.61 ft (67.2 m) above mean sea level, datum of 1929. Prior to October 26, 1934, staff gage at the St. Louis-Southwestern Railway Co. bridge 0.6 mi (1.0 km) downstream at same datum. October 26, 1934 to February 12, 1942, water-stage recorder at site 780 ft (237.7 m) downstream at same datum.

AVERAGE DISCHARGE: 34 years, 1,665,633 ac-ft/yr (2,053.7 hm³/yr).

EXTREMES: Period of record (1923-56): Maximum discharge, 157,000 ft³/s (4,446.2 m³/s) April 1, 1945 (gage height, 37.56 ft or 11.4 m); no flow at times.

Maximum stage known since at least 1909, that of April 1, 1945.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	12 300	6620	5870 00	-
1924	147900	97960	24 7500	38 760	596 30	225100	1040	49.0	14810	1220	315	902	835 186
1925	3860	6380	6870	84000	192800	47120	3250	6110	254	6300	53180	2580	412 704
1926	156600	32480	129600	189500	174600	44110	389400	159100	42610	116600	36380	3991 00	1870080
1927	210000	18 7700	61 3700	6 20600	94140	46860	62650	9150	6430	62 700	20600	744 00	2008 930
1928	36000	47200	73800	318000	223000	244000	126000	15900	180	14200	53400	499000	1650680
1929	402000	170000	250000	50500	422000	68400	24000	299	16400	812	31100	56900	1492411
1930	121000	290000	96500	22800	1160000	28300	4150	311	79.0	12100	14500	111000	1860740
1931	2730	37500	167000	68400	39700	2590	35000	12500	10200	3440	1890	218000	598950
1932	904000	350000	136000	41700	36100	11000	124000	532	158	135	51.0	264 00	1630076
1933	351000	34700	374000	57700	240000	67200	45700	17000	7800	42050	2250	93 10	1248 710
1934	82580	34280	280400	296100	38730	8420	170	12.0	63.0	0	19680	34550	794985
1935	403400	81790	100700	212300	856200	816600	23020	2220	7050	10410	63390	122600	2699680
1936	4330	3340	20310	948	165000	5080	7820	105	2730	62150	17710	118400	407923
1937	438100	74760	387700	226100	266700	6290	2110	10560	5360	5210	109300	279300	1571460
1938	1005000	506200	104300	702800	8690	131400	6530	3920	939	46.0	5180	505	2475510
1939	30780	282400	263800	423000	11340	16960	6520	58.0	1.40	0	2.20	846	1035708
1940	303	10720	10370	283800	257700	263100	236300	1010	3830	418	184200	442700	1694451
1941	209600	152900	346200	252800	762200	475600	168100	15230	5010	24400	64400	146100	2622540
1942	23240	60440	161400	982400	464400	196500	9220	5110	22210	1420	20100	60940	2007380
1943	114000	17770	274900	122400	28160	245300	9370	569	1060	7700	5810	246 00	851639
1944	78640	181300	539100	166400	754700	214400	3470	2150	22540	455	50430	208400	2221985
1945	308200	446600	1146600	1101000	105100	516700	132400	6910	3090	356700	27910	4510	4155720
1946	389000	715800	158000	207200	720700	455000	7910	9230	18910	2140	744100	268800	3696790
1947	105400	13970	173700	212800	373500	17110	2920	9850	9650	569	80570	420100	1420339
1948	257000	301600	352200	73730	579300	25300	14520	3920	443	644	1550	4160	1614367
1949	362700	436500	384800	151000	180600	58640	15610	9000	5490	393500	61260	48330	2107430
1950	470100	1009000	146900	20510	664900	76570	33120	62090	481900	13150	2060	1480	2981780
1951	34160	423900	51920	21560	49250	347000	45580	2770	7200	10520	18450	39110	1051420
1952	124900	53220	97310	809700	221400	63620	9210	2250	36.0	24.0	45300	270000	1696970
1953	113200	140500	160800	174600	868400	4630	42920	5350	8690	784	19560	102200	1641634
1954	244000	123800	13930	59350	471200	31850	336	30.0	0	72330	118200	10380	1145406
1955	15550	80910	157500	209200	35580	5240	35240	15750	23220	57490	625	1100	637405
1956	1780	277000	7740	4220	124500	5010	1850	1160	918	924	19010	3960	448072
MAX	1005000	1009000	1146600	1101000	1160000	816600	389400	159100	481900	393500	744100	587000	4155720
MIN	303	3340	6870	948	8690	2590	170	12.0	0	0	2.20	505	407923
MEAN	216699	202504	225320	248663	315460	144576	49377	11824	22105	38025	55655	135225	1665633
NO.	33	33	33	33	33	33	33	33	33	34	34	34	33
DISTR													
OF MEAN	13.0%	12.2%	13.5%	14.9%	18.9%	8.7%	3.0%	.7%	1.3%	2.3%	3.4%	8.1%	100%

SULPHUR RIVER BASIN

07344200 Wright Patman Lake near Texarkana, Texas

LOCATION: Lat 33° 18' 16", long 94° 09' 38", Bowie-Cass County line, in intake structure of Texarkana Dam on the Sulphur River, 0.5 mi (0.8 km) upstream from the U.S. Highway 59 bridge, and 10 mi (16 km) southwest of Texarkana.

DRAINAGE AREA: 3,443 mi² (8,917 km²).

PERIOD OF RECORD: July 1953 to December 1975. Published as "Texarkana Reservoir" prior to October 1970 and as "Lake Texarkana" from October 1970 to September 1972.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. July 19 to Dec. 31, 1953, nonrecording gage at site about 125 ft (38 m) upstream at datum 200 ft (61.0 m) higher.

EXTREMES: Period of record (1953-75): Maximum contents, 1,912,100 ac-ft (2,357.6 hm³) May 9, 1966 (elevation, 252.64 ft or 77.005 m); minimum contents since the first appreciable storage and after deliberate impoundment began, 137,500 ac-ft (169.5 hm³) Sept. 5, 1958.

REMARKS: The lake is formed by a rolled earthfill dam 18,500 ft (5,640 m) long, including a 200-foot (61-m) uncontrolled spillway and a 1 mi (1.6 km) long dike. The capacity of the lake is 145,300 ac-ft (179.2 hm³). Temporary impoundment of water began on July 2, 1953 and deliberate impoundment began on June 27, 1956. The dam was completed in December 1957. The flood-control outlet works consist of two 20.0-foot diameter (6.1-m) conduits controlled by four 10.0- by 20.0-foot (3.0- by 6.1-m) electrically driven broome-type gates. Flow discharging over the spillway passes into an outlet channel and then to the Sulphur River. The dam is operated by the U.S. Army Corps of Engineers.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1953	-	-	-	-	-	-	16000	3900	3000	2800	6000	6600
1954	87100	43270	9760	8510	162200	3270	2820	2640	2580	11370	3810	4900
1955	4450	13550	78420	62750	8150	3430	7730	3310	8740	3340	3000	3150
1956	3980	83190	4550	3670	3580	4760	6850	6050	5200	4990	28160	31660
1957	54880	155200	337800	681100	1306000	1213000	436100	209200	199100	189300	691600	196700
1958	294000	153600	203000	470500	1332000	886700	469300	211400	185200	205000	287100	326500
1959	156700	183100	172600	227300	257400	248400	229700	205300	189600	173800	162000	351300
1960	331000	174400	192000	193500	246700	245800	222800	206500	195200	204300	162000	484300
1961	229700	168300	234900	272400	258600	278100	229900	204000	189100	177200	175800	181500
1962	184700	195900	186300	224900	257200	243900	221200	204000	187200	180200	173300	158200
1963	152700	149500	199100	207500	264500	235700	229100	204500	191500	176700	162200	156100
1964	152300	153600	165400	393600	264200	330700	301700	296400	290400	177870	177650	155660
1965	161270	495030	193660	194150	404160	337040	310810	293000	283660	177500	160000	155100
1966	153900	157000	154100	689000	1595200	979300	396800	292700	274400	180300	161300	195400
1967	159800	158700	174600	315300	384600	336400	326100	304500	213800	192700	150100	180300
1968	164400	159600	466700	288200	478000	384900	359600	297300	289100	182200	184500	194500
1969	165000	495000	436600	275500	657900	336500	312400	295200	274300	184990	165220	180380
1970	152820	188500	325280	347960	275480	288130	280890	280280	275180	196250	164330	161750
1971	154940	163040	156850	158550	174890	169870	209080	300980	274280	363660	163470	1014900
1972	527120	158120	171010	175800	176720	174660	175340	165850	173520	191360	173290	179700
1973	174430	167830	467910	676000	372820	340180	314040	287220	275180	195760	481230	341860
1974	261730	167830	177400	303200	307020	559190	307020	300980	307340	187800	410500	382100
1975	158700	535800	283400	268200	375400	346100	314000	293600	267000	170510	158930	159150
MAX	527120	535800	467910	689000	1595200	1213000	469300	304500	307340	363660	691600	1014900
MIN	3980	13550	4550	3670	3580	3270	2820	2640	2580	2800	3000	3150
MEAN	176619	196366	217788	292618	434669	361183	246925	211687	198025	162170	191543	226161
NO.	22	22	22	22	22	22	23	23	23	23	23	23
DISTR OF MEAN	6.1%	6.7%	7.5%	10.0%	14.9%	12.4%	8.5%	7.3%	6.8%	5.6%	6.6%	7.8%

CYPRESS CREEK BASIN

07344482 Big Cypress Creek near Winnsboro, Texas

LOCATION: Lat 33°01'24", long 95°16'12", Franklin County, at the bridge on State Highway 37, 0.3 mi (0.5 km) downstream from Glade Branch, 1.8 mi (2.9 km) upstream from Little Cypress Creek, and 4.7 mi (7.6 km) north of Winnsboro.

DRAINAGE AREA: 27.2 mi² (70.4 km²).

PERIOD OF RECORD: April 1974 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 375.83 ft (114.553 m) above mean sea level, datum of 1929.

EXTREMES: Period of record (1974-75): Maximum discharge 4,320 ft³/s (122 m³/s) Nov. 24, 1974 (gage height, 12.39 ft or 3,776 m); no flow Aug. 24, 1974.

REMARKS: Records good. The flow is affected slightly by Lake Franklin located upstream on Glade Branch.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	-	-	-	4400	533	1030	83.0	1340	4800	1620	7950	3230	-
1975	1470	7590	3630	2360	4350	451	151	805	190	784	1020	668	23469
MAX	1470	7590	3630	4400	4350	1030	151	1340	4800	1620	7950	3230	23469
MIN	1470	7590	3630	2360	533	451	83.0	805	190	784	1020	668	23469
MEAN	1470	7590	3630	3380	2442	741	117	1073	2495	1202	4485	1949	30574
NO.	1	1	1	2	2	2	2	2	2	2	2	2	1
DISTR OF MEAN	4.8%	24.8%	11.9%	11.1%	8.0%	2.4%	.4%	3.5%	8.2%	3.9%	14.7%	6.4%	100%

CYPRESS CREEK BASIN

07344484 Lake Cypress Springs near Newsome, Texas

LOCATION: Lat 33°03'45", long 95°08'20", Franklin County, on the steel tower 100 ft (30 m) upstream from the left end of the dam, 2.2 mi (3.5 km) upstream from Brushy Creek, and 5.9 mi (9.5 km) north of Newsome.

DRAINAGE AREA: 75.0 mi² (194.2 km²).

PERIOD OF RECORD: July 1973 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level, datum of 1929.

EXTREMES: Period of record (1973-75): Maximum contents, 83,770 ac-ft (103 hm³) Feb. 2, 1975 (elevation, 381.00 ft or 116.129 m); minimum contents, 70,890 ac-ft (87.4 hm³) Oct. 11, 1973 (elevation, 377.42 ft or 115.038 m).

REMARKS: The lake is formed by a rolled earthfill dam 5,230 ft (1,590 m) long, with a capacity of 72,850 ac-ft (89.8 hm³). Deliberate impoundment began on July 7, 1970 and the dam was completed on Feb. 15, 1971. The emergency spillway is an excavated channel cut through natural ground 1,000 ft (305 m) wide located to the left of the left end of the dam. The service spillway is a rectangular 23- by 23-foot (7- by 7-m) drop inlet located near the right end of the dam. The lowflow outlet works consist of an 18-inch diameter (457-millimeter) concrete pipe that has duplicate valve controls and discharges into the service spillway conduit. The dam is operated by the Franklin County Water District.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1973	-	-	-	-	-	-	66800	63440	65120	79200	75950	75520
1974	75520	73570	73470	75630	73330	73120	71490	74330	74930	76660	77380	74820
1975	78250	74860	75170	75980	75910	74060	72610	72640	71260	70180	69820	69890
MAX	78250	74860	75170	75980	75910	74060	72610	74330	74930	79200	77380	75520
MIN	75520	73570	73470	75630	73330	73120	66800	63440	65120	70180	69820	69890
MEAN	76885	74215	74320	75805	74620	73590	70300	70137	70437	75347	74383	73410
NO.	2	2	2	2	2	2	3	3	3	3	3	3
DISTR OF MEAN	8.7%	8.4%	8.4%	8.6%	8.4%	8.3%	8.0%	7.9%	8.0%	8.5%	8.4%	8.3%

CYPRESS CREEK BASIN

07344500 Big Cypress Creek near Pittsburg, Texas

LOCATION: Lat 33°01'15", long 94°52'55", Camp-Titus County line, at the bridge on State Highway 11, 0.5 mi (0.8 km) upstream from the Louisiana & Arkansas Railway Co. bridge, 1.4 mi (2.3 km) upstream from Williamson Creek, and 5.2 mi (8.4 km) east of Pittsburg.

DRAINAGE AREA: 366 mi² (948 km²).

PERIOD OF RECORD: March 1943 to December 1962 (published as "Cypress Creek near Pittsburg"), October 1967 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 247.49 ft (75.435 m) above mean sea level, datum of 1929. Prior to Nov. 12, 1954, water-stage recorder at site 1,900 ft (579 m) downstream at present datum.

AVERAGE DISCHARGE: 29 years (1943-62, 1967-75), 245,019 ac-ft/yr (302.1 hm³/yr).

EXTREMES: Period of record (1943-62, 1967-75): Maximum discharge, 58,500 ft³/s (1,660 m³/s) Mar. 30, 1945 (gage height, 28.3 ft or 8.63 m, from floodmark and adjusted to present site on the basis of the record for the flood of Apr. 27, 1958); no flow Aug. 20 to Oct. 3, 1954 and July 19 to Nov. 4, 1956.

Maximum stage since at least 1895, that of Mar. 30, 1945.

REMARKS: Records good. There are several small diversions upstream for municipal water supply. The flow from 111 mi² (287 km²) above this station is partly controlled by Lake Cypress Springs and Monticello Reservoir with a combined capacity of 112,900 ac-ft (139 hm³). Construction began during 1975 on Fort Sherman Dam located on Big Cypress Creek between Lake Cypress Springs and this station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1943	-	-	-	2970	6280	28650	1210	206	171	1970	418	2750	-
1944	10980	35630	47890	36940	114600	9260	400	239	1200	162	7400	43820	308521
1945	38050	60550	260300	56520	20920	88620	16330	1950	1120	28020	8310	8570	589260
1946	81430	67120	42040	18610	163500	49650	2940	1560	1320	1430	70700	29220	529520
1947	32940	8330	30010	37370	26200	3330	651	285	2360	685	26980	69290	238431
1948	39880	54720	47310	18680	80840	2620	1360	425	593	577	1920	2230	251155
1949	53270	29250	30010	22100	12410	4550	2680	916	2420	104200	7900	15610	285316
1950	84130	136900	36210	11580	110800	12720	5980	3660	58250	3340	2440	3020	469030
1951	16590	57250	13050	8660	8640	5470	5190	248	1190	949	2120	3130	122487
1952	15320	6280	20370	106200	33360	8640	1090	202	50.0	114	3900	21990	217516
1953	12560	16850	13990	19540	92980	992	6860	1270	4390	880	2560	16970	189842
1954	34650	10300	4410	3990	35050	7560	141	21.0	0	1360	1540	4380	103402
1955	3970	8770	20790	21440	1780	798	120	1660	867	4150	402	1410	66157
1956	1420	27910	3130	1650	8620	119	9.3	0	0	0	199	451	43508
1957	804	3670	20200	94450	52470	43610	1040	510	4720	13800	83700	14920	333894
1958	45510	5740	31870	152200	85710	24590	15740	3670	7690	2620	22070	9850	407260
1959	3670	22650	31060	30770	8190	3790	5600	1770	1460	1380	2940	35150	148430
1960	64190	25330	25610	4280	3470	8400	12560	584	5620	5570	5450	70570	231634
1961	34310	30650	35710	14380	3950	19410	7530	1560	1680	1130	12860	34320	197490
1962	33730	25780	28510	22820	13080	4960	2710	379	3010	2090	7550	7190	151809
1963	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	-	-	-	-	-	-	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	-	-	1550	4280	14510	-
1968	35400	19520	45130	22280	64710	24240	3720	1460	13260	1970	12220	34350	278260
1969	9900	71220	68790	34700	64870	2360	517	275	322	396	2060	4990	260400
1970	8750	17780	55190	41010	6840	3490	531	529	138	1240	1270	1200	137968
1971	2280	7020	5170	1460	1300	398	5310	2520	286	528	4340	44200	74812
1972	26990	7160	5290	1570	1020	4900	610	184	316	1790	9630	18060	77520
1973	24760	21730	61060	63520	12990	31000	1250	850	4360	13750	62660	41850	339780
1974	46270	15760	4720	58320	10410	28080	623	1330	63360	12390	91950	55350	388563
1975	26620	78740	64450	31180	72850	16570	2900	735	445	562	901	1250	297203
MAX	84130	136900	260300	152200	163500	88620	16330	3670	63360	104200	91950	70570	589260
MIN	804	3670	3130	1460	1020	119	9.3	0	0	0	199	451	43508
MEAN	29199	32319	38973	33543	39923	15671	3772	1036	6450	7193	15885	21055	245019
NO.	27	27	27	28	28	28	28	28	28	29	29	29	27
DISTR													
OF MEAN	11.9%	13.2%	15.9%	13.7%	16.3%	6.4%	1.5%	.4%	2.6%	2.9%	6.5%	8.6%	100%

CYPRESS CREEK BASIN

07345000 Boggy Creek near Daingerfield, Texas

LOCATION: Lat 33°02'10", long 94°47'15", Morris County, at the bridge on State Highway 11, 0.4 mi (0.6 km) upstream from the Louisiana & Arkansas Railway Co. bridge, 3.8 mi (6.1 km) west of Daingerfield, and 9 mi (14 km) upstream from the mouth.

DRAINAGE AREA: 72 mi² (186 km²).

PERIOD OF RECORD: April 1943 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 258.41 ft (78.763 m) above mean sea level, datum of 1929. Prior to Oct. 1, 1954, at site 1,700 ft (518 m) downstream at same datum.

AVERAGE DISCHARGE: 33 years, 57,742 ac-ft/yr (71.2 hm³/yr).

EXTREMES: Period of record (1943-75): Maximum discharge, 28,900 ft³/s (818 m³/s) Apr. 27, 1958 (gage height, 17.80 ft or 5.425 m); no flow at times most years.

Maximum stage since at least 1900, that of Apr. 27, 1958.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1943	-	-	-	852	2410	3580	204	0	0	48.0	0	450	-
1944	1980	12780	17400	11460	41930	1630	172	119	358	0	710	15530	104069
1945	11230	21280	73510	21130	6410	15720	1850	115	30.0	667	843	1340	154125
1946	13540	13380	5190	3320	35420	9930	551	682	387	226	23460	5390	111476
1947	6750	3060	7800	6810	3980	396	24.0	0	157	95.0	6120	16810	52002
1948	9700	17800	16240	6710	22330	745	386	2.00	0	0	78.0	257	74248
1949	13360	6060	5650	4840	2030	758	636	169	616	35400	2230	4000	75749
1950	23360	41030	8260	2520	39810	2300	528	190	26980	1110	726	829	147643
1951	3130	16000	3730	2270	1700	916	674	.40	139	28.0	303	638	29528
1952	1760	1380	4060	25050	6550	899	67.0	0	0	0	683	6190	46639
1953	3760	5100	4850	6260	24210	138	634	21.0	89.0	.40	324	2190	47576
1954	6040	2000	972	535	13070	3060	7.10	0	0	4.40	23.0	416	26127
1955	730	1970	6150	6360	582	83.0	4.00	67.0	32.0	40.0	0	13.0	16031
1956	162	5060	1050	330	902	0	0	0	0	0	0	0	7504
1957	.40	610	2100	22650	8230	9900	450	199	901	3540	29450	4850	82880
1958	12630	3110	7790	68820	16910	2920	5380	229	362	308	854	912	120225
1959	743	5570	8040	7280	3840	1580	493	167	77.0	60.0	372	3720	31942
1960	12400	5800	6360	1180	1100	1510	2710	118	985	1310	1070	17470	52013
1961	8240	6940	10160	3370	991	2910	957	120	37.0	335	2490	11270	47820
1962	10240	11500	9600	5760	2520	1350	425	8.10	189	2850	4930	3140	52512
1963	2830	1300	3860	3410	2000	168	20.0	0	0	0	0	105	13693
1964	95.0	850	3070	5960	638	123	0	438	511	79.0	510	730	13004
1965	2450	16470	4240	1520	3930	638	21.0	0	104	.10	0	54.0	29427
1966	368	1290	971	27920	9640	162	22.0	0	43.0	8.00	127	1200	41751
1967	841	653	1190	5510	7470	4660	614	.20	44.0	71.0	168	4110	25331
1968	7790	3660	7200	4540	9430	10670	1380	606	4700	783	5440	8470	64669
1969	3200	16040	15660	8910	8550	282	44.0	0	.40	17.0	229	1780	54712
1970	2990	5840	12440	11760	1250	1000	555	0	0	48.0	327	561	36771
1971	931	3710	1650	514	285	2.20	1720	1520	38.0	79.0	1210	9250	20909
1972	8460	2630	2670	639	462	290	12.0	0	22.0	322	3580	4740	23827
1973	7130	6350	18880	26130	2100	5710	651	14.0	895	2330	18220	8660	97070
1974	10390	4260	2030	21460	1620	10450	122	570	12610	5070	20780	12880	102242
1975	6910	21260	16750	7430	15670	1900	402	26.0	31.0	0	116	577	71074
MAX	23360	41030	73510	68820	41930	15720	5380	1520	26980	35400	29450	17470	154125
MIN	.40	610	971	330	285	0	0	0	0	0	0	0	7504
MEAN	6067	8273	9048	10097	9029	2921	658	163	1525	1661	3799	4501	57742
NO.	32	32	32	33	33	33	33	33	33	33	33	33	32
DISTR													
OF MEAN	10.5%	14.3%	15.7%	17.5%	15.6%	5.1%	1.1%	.3%	2.6%	2.9%	6.6%	7.8%	100%

CYPRESS CREEK BASIN

07345500 Ellison Creek Reservoir near Lone Star, Texas

LOCATION: Lat 32°55'16", long 94°43'17", Morris County, at the pumphouse of the Lone Star Steel Co., on the left bank 1,700 ft (518 m) upstream from Ellison Creek Dam, 0.6 mi (1.0 km) upstream from Big Cypress Creek, and 1.4 mi (2.3 km) southwest of Lone Star.

DRAINAGE AREA: 37.0 mi² (95.8 km²).

PERIOD OF RECORD: January 1943 to September 1962 (published as "near Daingerfield"), October 1973 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Sept. 22, 1943, staff gage at site just upstream from dam at datum 200 ft (61.0 m) lower.

EXTREMES: Period of record (1943-62, 1973-75): Maximum contents, 31,240 ac-ft (38.5 hm³) Apr. 26, 1958 (elevation, 272.11 ft or 82.939 m); minimum contents since the lake was first filled in May 1944, 16,640 ac-ft (20.5 hm³) Jan. 3, 1957 (elevation, 262.07 ft or 79.879 m).

REMARKS: The reservoir is formed by a rolled earthfill dam, 4,000 ft (1,200 m) long, with an uncontrolled concrete spillway 300 ft (91 m) long at the left end of the dam. The capacity of the reservoir is 24,700 ac-ft (30.4 hm³). Deliberate impoundment began on Jan. 14, 1943 and the dam was completed in April 1943. Another spillway is cut through natural ground near the right end of the dam. In addition, there is a relief dam, approximately 125 ft (38 m) long, located near the reservoir pumphouse that can be breached if the other spillways are unable to release sufficient floodwater. There is a 36-inch diameter (914-millimeter) conduit through the dam that is used for pumping water from Big Cypress Creek into the reservoir and can also be used to discharge water from the reservoir into Big Cypress Creek. The dam is owned by the Lone Star Steel Co.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1943	569	1720	2900	3450	4580	7050	8240	7860	7640	9270	10000	12200
1944	15300	21700	25200	26200	25000	24400	23600	24100	24500	23990	24910	25450
1945	24950	25460	25990	24950	24810	24840	24630	24260	24080	24840	24840	25000
1946	25310	25000	25000	25620	25780	24840	24540	24840	24690	24840	25160	25000
1947	25000	25000	25310	25310	24840	24690	23930	23180	23330	23180	24080	25310
1948	25160	25160	25000	24840	24840	23930	23030	22150	21050	20020	19650	19520
1949	23780	25000	25000	25160	24080	23780	23780	23180	23330	25000	24690	25000
1950	25000	25000	24840	25310	25160	24230	24380	23330	24840	24840	24690	24540
1951	25000	25000	25000	25000	24540	24540	23930	22150	23780	23480	24080	24540
1952	24690	24840	25160	24840	25000	23630	22580	21180	19900	18790	20660	25000
1953	25000	24840	24840	25160	24690	23330	24690	24080	23180	22010	22290	24230
1954	24840	24690	24690	24840	25160	23780	21730	20150	18670	19280	20020	21050
1955	22290	24840	25000	24690	24540	24080	24540	24230	23180	22290	21590	21450
1956	22730	24690	24690	24840	24230	22880	20920	19520	18310	16990	16870	16750
1957	17470	20150	23180	25290	24800	24670	24690	24080	24540	24690	24840	24840
1958	24840	24840	25000	26560	24540	24690	24540	23630	23930	24540	24690	24380
1959	24080	24840	24840	25000	24690	24380	24540	23780	23630	23780	23630	25000
1960	25000	25000	24840	24380	24840	24690	24380	23630	24540	24500	24740	25120
1961	24920	25020	25430	24660	24710	24970	24500	24200	23860	23580	24830	24810
1962	25060	25420	24880	25230	24490	24880	23920	22800	23160	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	-	-	-	-	-	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	-	-	-	-	-
1968	-	-	-	-	-	-	-	-	-	-	-	-
1969	-	-	-	-	-	-	-	-	-	-	-	-
1970	-	-	-	-	-	-	-	-	-	-	-	-
1971	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	24510	24460	24550
1974	24760	24590	24350	24520	23780	23930	23210	23030	24560	25350	24750	23140
1975	23450	24440	23780	24470	23980	24560	23450	21740	20190	18320	17170	15960
MAX	25310	25460	25990	26560	25780	24970	24690	24840	24840	25350	25160	25450
MIN	569	1720	2900	3450	4580	7050	8240	7860	7640	9270	10000	12200
MEAN	22691	23511	23860	24105	23776	23490	23080	22323	22222	22186	22393	22856
NO.	22	22	22	22	22	22	22	22	22	22	22	22
DISTR												
OF MEAN	8.2%	8.5%	8.6%	8.7%	8.6%	8.5%	8.3%	8.1%	8.0%	8.0%	8.1%	8.3%

CYPRESS CREEK BASIN
07345900 Lake O' the Pines near Jefferson, Texas

LOCATION: Lat 32°45'04", long 94°29'59", Marion County, in the intake structure of Ferrell's Bridge Dam on Big Cypress Creek on Farm Road 726, and 9.0 mi (14.5 km) west of Jefferson.

DRAINAGE AREA: 850 mi² (2,202 km²).

PERIOD OF RECORD: August 1957 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Nov. 12, 1957, nonrecording gage at same site and datum.

EXTREMES: Period of record (1957-75): Maximum contents, 694,360 ac-ft (856 hm³) May 5, 1966 (elevation, 245.41 ft or 74.801 m); minimum contents since December 1959, 219,700 ac-ft (271 hm³) Nov. 16, 1963 (elevation, 226.54 ft or 69.049 m).

REMARKS: The lake is formed by a rolled earthfill dam 10,600 ft (3,230 m) long, including a 200-foot (61-m) concrete spillway. The capacity of the lake is 254,900 ac-ft (314.3 hm³). Impoundment of water began on Aug. 21, 1957 and the dam was completed on June 25, 1958. Official operation began on Dec. 11, 1959. The flood-control outlet works consist of two 10.0-foot diameter (3.0-m) conduits that are controlled by two 8.0-by-12.5-foot (2.4-by-3.8-m) electrically driven broome-type gates. The low-flow outlet works consist of one controlled 14-inch (356-millimeter) pipe. The flow over the spillway is discharged into a 2,000 ft (610 m) channel and then into Cypress Creek. The dam is operated by the U.S. Army Corps of Engineers.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1957	-	-	-	-	-	-	-	150	5610	18810	82580	23240
1958	54060	16080	25430	324800	404700	279000	147600	20380	12440	7110	15140	8830
1959	8150	33370	24700	47050	20720	8700	11380	5310	4940	5240	5960	29010
1960	58890	94260	179000	191400	202700	210300	233600	230500	239700	254800	255300	344400
1961	259600	273400	276700	255500	254900	274800	255100	250600	252000	253300	259800	262800
1962	280800	274400	257900	266200	254400	257200	253100	244900	254200	255700	259000	256600
1963	256100	256200	254900	271300	256400	251400	244500	237200	230000	223200	223000	226300
1964	229100	237200	256800	262200	253100	249200	237300	241500	246200	242730	244520	252700
1965	253960	271610	258440	254330	286680	283680	272000	263710	256760	248200	246160	246710
1966	253030	257880	254330	554390	598690	417390	281520	279170	258260	252840	256570	259750
1967	254890	255270	255630	260500	272000	282100	276840	268130	254150	249870	255080	260130
1968	261920	261540	260030	262290	294130	293520	286240	280510	265900	256070	264000	263620
1969	261350	287860	295140	262670	289270	281690	269200	259080	255890	255700	257200	273090
1970	257390	262860	262290	292300	287450	285040	282480	275040	255890	258140	257390	260590
1971	258330	258900	258520	258330	257010	248390	253070	261920	255890	254950	258900	258710
1972	261920	257580	260590	260970	253630	258140	251570	241980	247640	251940	259460	258900
1973	265330	260030	291900	403800	286440	286240	282090	273280	259840	263240	295340	270950
1974	269000	260970	258520	344750	277380	285640	281500	285040	302870	270400	317100	267400
1975	258600	316600	288700	263000	293100	287700	279600	275300	256600	252470	256760	257130
MAX	280800	316600	295140	554390	598690	417390	286240	285040	302870	270400	317100	344400
MIN	8150	16080	24700	47050	20720	8700	11380	150	4940	5240	5960	8830
MEAN	222357	229778	234429	279766	280150	263341	244372	220721	216567	214458	224698	225308
NO.	18	18	18	18	18	18	18	19	19	19	19	19
DISTR												
OF MEAN	7.8%	8.0%	8.2%	9.8%	9.8%	9.2%	8.6%	7.7%	7.6%	7.5%	7.9%	7.9%

CYPRESS CREEK BASIN
07346000 Cypress Creek near Jefferson, Texas

LOCATION: Lat 32°45', long 94°29', Marion County, at the bridge on Farm Road 726, 1,500 ft (457.2 m) downstream from Ferrells Bridge Dam, 8 mi (12.9 km) west of Jefferson, and 14 mi (22.5 km) upstream from Black Cypress Creek.

DRAINAGE AREA: 850 mi² (2,201.5 km²).

PERIOD OF RECORD: August 1924 to September 1959.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to November 2, 1933, staff gage. For the period November 2, 1933 to December 8, 1955, water-stage recorder at site 1,500 ft (457.2 m) upstream at datum 183.7 ft (56.0 m) above mean sea level.

AVERAGE DISCHARGE: 36 years, 501,848 ac-ft/yr (618.8 hm³/yr).

EXTREMES: Period of record (1924-59): Maximum discharge, 57,100 ft³/s (1,617.1 m³/s) April 1, 1945 (gage height, 28.78 ft or 8.8 m, from floodmark in gage well at site and datum then in use); no flow at times.

Maximum stage known since at least 1853, that of April 1, 1945.

REMARKS: Records good. The flow is regulated by Lake O' the Pines (station 07345900) located 1,500 ft (457.2 m) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	-	-	-	126	523	434	1270	1840	-
1925	12100	6970	7790	34500	43200	980	307	299	33.0	2810	20100	15900	144989
1926	40200	23400	78400	70300	29700	11000	81100	7160	1880	16400	6380	71000	436920
1927	80300	72000	128000	162000	25400	20300	8890	3230	5510	19300	11100	26300	562330
1928	29000	23100	35800	46400	106000	78000	37600	13400	756	11900	50700	185000	617656
1929	116000	69400	94700	50500	79900	30200	6700	489	1260	422	3640	6460	459671
1930	27900	62800	53200	23900	421000	14800	1670	126	147	3340	5530	28600	643013
1931	14500	20300	43700	30500	26900	2840	5600	4520	2580	344	2240	89800	243824
1932	255000	150000	78100	20700	19900	2840	5100	211	318	230	1360	7750	541509
1933	122000	38700	64000	60700	88500	4060	19500	10500	3530	2080	2300	22160	438030
1934	47830	29210	114900	89240	50550	4300	587	39.0	74.0	38.0	1000	7570	345338
1935	24920	42720	33630	13390	202000	59090	4300	1030	613	2470	21740	46980	452883
1936	12740	11890	15160	4130	39310	2050	5780	298	72.0	2210	2930	11810	108380
1937	122500	47690	97150	60220	9360	5760	771	1500	1630	957	9630	104070	461868
1938	305600	95130	40350	132100	11340	4640	3180	912	350	49.0	970	3210	597831
1939	16780	73110	85440	48370	14640	3950	523	67.0	1.60	0	257	3480	246619
1940	3790	10960	8440	45400	26760	30270	27960	1240	1040	266	18940	70260	245326
1941	73060	34900	95120	50590	85940	70030	27760	4900	3170	3510	12340	44990	506310
1942	44260	27050	49040	187600	126600	19070	3910	12800	14320	2700	4930	12400	504680
1943	36020	14060	19390	15010	9390	38210	924	115	63.0	2350	459	3480	139471
1944	26230	77880	129700	99940	324900	49190	1390	428	3660	489	7280	65120	786207
1945	139800	79650	278200	415100	44710	126000	25440	3590	1510	22600	22150	27590	1186340
1946	153700	148000	85040	45440	255500	197800	9040	3050	3320	3710	118000	90760	1113360
1947	73540	35040	69030	85860	51990	9980	2120	716	3230	1410	22440	142200	497556
1948	85610	140300	163500	51250	152600	18650	4520	763	713	1790	4580	6770	631046
1949	37820	90270	71630	48570	33350	9510	9630	2950	5780	145800	47330	30490	533130
1950	187600	272400	76550	29850	251500	36400	8980	9000	154300	13940	8740	9670	1058930
1951	33280	116300	58780	40760	36080	14350	7510	820	3840	2420	6000	10400	330540
1952	24480	25600	48360	181700	38900	46190	2160	864	328	343	3840	40810	413575
1953	36570	37370	50790	37790	260000	4680	13450	3380	7540	1270	5880	27460	486180
1954	52850	29380	13760	15480	52000	31980	670	382	373	2230	7480	10580	217165
1955	13330	35900	57540	73820	8450	2650	1480	4090	1470	6300	1510	4150	210690
1956	4650	46700	16050	8020	25710	692	412	338	181	244	504	330	103831
1957	1100	10450	23090	185500	152300	134900	11420	1270	318	31080	160100	119700	831228
1958	85110	75100	62300	77690	183200	190900	188000	144400	28670	18930	12650	29370	1096320
1959	16780	45050	90230	89270	71990	38890	12210	14070	3330	-	-	-	-
MAX	305600	272400	278200	415100	421000	197800	188000	144400	154300	145800	160100	185000	1186340
MIN	1100	6970	7790	4130	8450	692	307	39.0	1.60	0	257	330	103831
MEAN	67341	60537	69625	75188	95988	37576	15446	7030	7123	9268	17323	39403	501848
NO.	35	35	35	35	35	35	35	36	36	35	35	35	34
DISTR OF MEAN	13.4%	12.1%	13.9%	15.0%	19.1%	7.5%	3.1%	1.4%	1.4%	1.8%	3.5%	7.9%	100%

CYPRESS CREEK BASIN
07346045 Black Cypress Bayou at Jefferson, Texas

LOCATION: Lat 32°46'40", long 94°21'26", Marion County, at the bridge on U.S. Highway 59, 1.1 mi (1.8 km) north of Jefferson, and 2.0 mi (3.2 km) upstream from the Texas and Pacific Railway bridge.

DRAINAGE AREA: 365 mi² (945 km²).

PERIOD OF RECORD: October 1968 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 171.47 ft (52.264 m) above mean sea level.

AVERAGE DISCHARGE: 8 years, 270,530 ac-ft/yr (333.6 hm³/yr).

EXTREMES: Period of record (1968-75): Maximum discharge, 7,120 ft³/s (202 m³/s) Apr. 25, 1974 (gage height, 17.69 ft or 5.392 m); no flow at times most years.

Maximum stage since 1938, 22.42 ft (6.834 m) Apr. 29, 1958, from records of the Corps of Engineers.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1968	-	-	-	-	-	-	-	-	-	3120	7620	29450	-
1969	15590	46760	66880	75150	35600	6190	177	3.70	0	5.70	8180	15520	270056
1970	36820	24870	53940	28190	22030	14220	2230	468	254	898	4520	4700	193140
1971	6090	9060	12880	6480	6450	380	129	4690	436	368	1870	16580	65413
1972	32460	16340	10710	7860	6310	695	489	99.0	506	2190	18940	31890	128489
1973	28120	33040	82870	119400	24970	37700	5040	995	9880	25530	43300	72550	483395
1974	49320	33310	21530	62080	16190	78580	2000	1740	34600	15540	79970	50470	445330
1975	33950	89510	57690	26730	73980	23380	6100	1880	728	469	2990	5570	322977
MAX	49320	89510	82870	119400	73980	78580	6100	4690	34600	25530	79970	72550	483395
MIN	6090	9060	10710	6480	6310	380	129	3.70	0	5.70	1870	4700	65413
MEAN	28907	36127	43786	46556	26504	23021	2309	1411	6629	6015	20924	28341	270530
NO.	7	7	7	7	7	7	7	7	7	8	8	8	7
DISTR OF MEAN	10.7%	13.4%	16.2%	17.2%	9.8%	8.5%	.9%	.5%	2.5%	2.2%	7.7%	10.5%	100%

CYPRESS CREEK BASIN

07346050 Little Cypress Creek near Ore City, Texas

LOCATION: Lat 32°40'21", long 94°45'03", Gregg-Upshur County line, at the bridge on U.S. Highway 259, 4 mi (6 km) downstream from Clear Creek, 9 mi (14 km) south of Ore City, and 12 mi (19 km) north of Longview.

DRAINAGE AREA: 383 mi² (992 km²).

PERIOD OF RECORD: January 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 232.67 ft (70.918 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 13 years, 201,075 ac-ft/yr (247.9 hm³/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 23,500 ft³/s (666 m³/s) Apr. 24, 1966 (gage height, 20.20 ft or 6.157 m); no flow at times.

Maximum stage since at least 1902 occurred in March 1945; maximum stage since 1945, that of Apr. 24, 1966.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1963	7700	5290	12030	14930	23040	1160	126	27.0	0	0	200	1460	65983
1964	1570	3210	7670	7010	2960	338	3.40	588	673	319	208	1030	25779
1965	5060	25790	15670	7670	23680	12850	551	13.0	206	18.0	66.0	573	92147
1966	1700	3340	2510	178900	84660	1110	98.0	107	547	556	1530	2590	277648
1967	4100	3170	3680	11990	17670	40510	670	31.0	194	46.0	782	7510	90353
1968	28870	14160	33640	28870	112800	10310	9140	1300	3820	2070	6410	26980	278370
1969	12290	56810	75950	57430	35850	3840	272	40.0	50.0	33.0	5390	15500	263455
1970	28850	20070	54400	35420	15340	2800	320	58.0	334	1510	3450	2590	165142
1971	2660	5180	6300	3230	1700	124	792	2680	13.0	294	2640	20330	45943
1972	44290	13100	8620	4020	2440	3480	446	0	588	2300	12130	23690	115104
1973	25210	31070	83590	157400	17290	51970	2570	932	21080	25010	54040	60450	530612
1974	34640	23830	23790	34240	12940	53880	1190	1230	36520	15140	89720	53470	380590
1975	37150	73340	46570	36310	52410	21660	5860	1370	598	395	2690	4500	282853
MAX	44290	73340	83590	178900	112800	53880	9140	2680	36520	25010	89720	60450	530612
MIN	1570	3170	2510	3230	1700	124	3.40	0	0	0	66.0	573	25779
MEAN	18007	21412	28802	44417	30983	15695	1695	644	4986	3669	13789	16976	201075
NO.	13	13	13	13	13	13	13	13	13	13	13	13	13
DISTR OF MEAN	9.0%	10.6%	14.3%	22.1%	15.4%	7.8%	.8%	.3%	2.5%	1.8%	6.9%	8.4%	100%

CYPRESS CREEK BASIN

07346070 Little Cypress Creek near Jefferson, Texas

LOCATION: Lat 32°42'46", long 94°20'44", Harrison-Marion County line, at the bridge on U.S. Highway 59, 0.3 mi (0.5 km) downstream from the Texas and Pacific Railway Co. bridge, 3.3 mi (5.3 km) downstream from Grays Creek, 3.5 mi (5.6 km) south of Jefferson, and 6.8 mi (10.9 km) upstream from the mouth.

DRAINAGE AREA: 675 mi² (1,748 km²).

PERIOD OF RECORD: June 1946 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 174.60 ft (53.218 m) above mean sea level, datum of 1929. Prior to Sept. 19, 1947, nonrecording gage at the upstream side of the bridge at the same datum.

AVERAGE DISCHARGE: 30 years, 398,170 ac-ft/yr (490.9 hm³/yr).

EXTREMES: Period of record (1946-75): Maximum discharge, 35,500 ft³/s (1,010 m³/s) Apr. 26, 1966 (gage height, 22.28 ft or 6.791 m); no flow at times.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FeET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1946	-	-	-	-	-	150200	9760	1940	3450	2530	88310	79630	-
1947	70660	38180	79440	75060	52390	12470	2060	530	1070	730	5090	64000	401680
1948	51160	108800	120600	36230	95660	8990	2850	195	6.00	17.0	3280	5540	433328
1949	27030	50680	51960	53330	45170	5950	19000	10640	7390	57030	53810	23260	405250
1950	148600	158400	46680	29720	156000	34250	9770	10910	54770	10370	8980	9630	678080
1951	23740	67550	49240	32680	39090	7710	1650	218	7890	931	4310	12310	247319
1952	18610	27000	38400	80880	40820	28890	786	292	0	0	883	14210	250771
1953	30840	34340	70970	32910	219200	6900	11560	6520	4120	96.0	4770	26030	448256
1954	39220	31720	16890	19990	46990	19850	255	.40	0	24.0	6250	8100	189289
1955	14660	41340	83650	73110	15530	4770	2960	9270	5010	3210	949	4380	258839
1956	7240	44440	17160	8710	37080	552	30.0	0	0	0	1.00	33.0	115246
1957	512	9440	21730	186900	176100	140100	8350	1300	1270	37760	161200	55930	800592
1958	100800	46190	48990	122400	259000	29590	35360	4030	10720	12320	8180	15020	692600
1959	14120	49500	58080	100800	67570	41600	11300	5960	1680	3710	5130	37200	396650
1960	105600	52850	89800	17840	12150	7160	3530	321	1660	7090	14340	208500	520841
1961	90510	82090	98100	89400	13630	19830	41090	3220	6250	7050	19230	94700	565100
1962	70710	67700	91000	45140	46540	7990	3930	657	2610	5590	6990	13220	362077
1963	15400	11500	20570	19060	60010	2070	576	60.0	2.20	0	61.0	2100	131409
1964	2480	5260	15000	11090	9880	687	15.0	827	1430	1750	1310	10220	59949
1965	20630	54850	40200	24900	38600	36260	2510	16.0	145	113	18.0	1080	219322
1966	2880	6380	6150	272800	194400	4040	440	704	2020	1130	2140	4590	499674
1967	8300	6710	6640	15450	33920	69090	3000	85.0	93.0	27.0	467	6240	150222
1968	44750	27120	50390	54380	163000	19220	12820	2420	7280	4550	12100	46930	444960
1969	23660	65030	145500	123200	61180	8160	445	24.0	1.40	2.90	9670	18100	454973
1970	46170	30030	76100	37660	43280	5150	3500	359	196	1560	6710	5870	258585
1971	6270	9220	12370	7020	3790	278	34.0	3230	466	242	2060	20430	65410
1972	55870	24640	16640	6960	5920	3840	2020	61.0	179	4590	25770	51430	198120
1973	38790	58430	115000	244600	53610	95260	6220	1860	33870	53070	70900	135400	907010
1974	93930	59630	46200	46070	32870	122100	3080	1590	52780	21530	111600	93440	684820
1975	59510	132300	70890	55330	106300	35060	10570	2700	973	399	3190	5650	482872
MAX	148600	158400	145500	272800	259000	150200	41090	10910	54770	57030	161200	208500	907010
MIN	512	5260	6150	6960	3790	278	15.0	0	0	0	1.00	33.0	59949
MEAN	42505	48390	55405	66332	73437	30934	6982	2331	6911	7914	21257	35772	398170
NO.	29	29	29	29	29	30	30	30	30	30	30	30	29
DISTR													
OF MEAN	10.7%	12.2%	13.9%	16.7%	18.4%	7.8%	1.8%	.6%	1.7%	2.0%	5.3%	9.0%	100%

CYPRESS CREEK BASIN

07346140 Frazier Creek near Linden, Texas

LOCATION: Lat 33°03'16", long 94°17'22", Cass County, at the bridge on U.S. Highway 59, 1.6 mi (2.6 km) upstream from Colley Creek, 3.7 mi (6.0 km) upstream from Johns Creek, and 5.5 mi (8.8 km) northeast of Linden.

DRAINAGE AREA: 48.0 mi² (124.3 km²).

PERIOD OF RECORD: December 1964 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 228.7 ft (69.71 m) above mean sea level.

AVERAGE DISCHARGE: 12 years, 31,985 ac-ft/yr (39.4 hm³/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 5,010 ft³/s (142 m³/s) Apr. 22, 1974 (gage height, 12.51 ft or 3.813 m); no flow at times in 1964-73.

Maximum stage since at least 1945, 15.6 ft (4.75 m) April 26, 27, 1958, from information by the State Highway Department.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	-	-	-	-	-	-	-	-	1480
1965	3570	6600	3450	1920	2630	3470	209	.80	3.80	.50	68.0	213	22135
1966	452	1020	739	11640	4230	149	152	52.0	139	158	561	2220	21512
1967	1830	1330	1580	3620	4330	1700	205	3.10	13.0	24.0	138	2440	17213
1968	4440	1840	5900	3000	8330	1570	266	76.0	297	115	1260	2240	29334
1969	2020	6590	8530	9020	3680	318	2.70	0	.06	15.0	1790	3850	35816
1970	3470	4220	8110	4960	1930	2480	88.0	64.0	19.0	104	407	594	26446
1971	878	1160	906	851	617	5.40	85.0	343	5.90	27.0	199	1620	6697
1972	3890	1450	1300	1010	915	0	0	0	84.0	273	1700	3080	13702
1973	3920	3610	11850	13290	2020	4280	902	118	1430	4820	8810	10830	65880
1974	7990	4000	2590	12070	2420	7270	171	254	4670	2250	11440	6960	62085
1975	5010	14910	8840	3820	13730	2410	876	759	181	121	686	1270	52613
MAX	7990	14910	11850	13290	13730	7270	902	759	4670	4820	11440	10830	65880
MIN	452	1020	739	851	617	0	0	0	.06	.50	68.0	213	6697
MEAN	3406	4248	4890	5927	4076	2150	269	152	622	719	2460	3066	31985
NO.	11	11	11	11	11	11	11	11	11	11	11	12	11
DISTR													
OF MEAN	10.6%	13.3%	15.3%	18.5%	12.7%	6.7%	.8%	.5%	1.9%	2.2%	7.7%	9.6%	100%

SABINE RIVER BASIN

08017200 Cowleech Fork Sabine River at Greenville, Texas

LOCATION: Lat 33°07'58", long 96°04'36", Hunt County, at the bridge on Interstate Highway 30 (U.S. Highway 67), 0.3 mi (0.5 km) downstream from Horse Creek, 0.9 mi (1.4 km) downstream from the Louisiana & Arkansas Railroad Co. bridge, and 1.8 mi (2.9 km) east of Greenville.

DRAINAGE AREA: 77.7 mi² (201.2 km²).

PERIOD OF RECORD: March 1959 to December 1975. Prior to October 1963, published as "Sabine River at Greenville".

GAGE: Water-stage recorder. Datum of gage is 485.07 ft (147.849 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 17 years, 45,421 ac-ft/yr (56.0 hm³/yr).

EXTREMES: Period of record (1959-75): Maximum discharge, 10,800 ft³/s (306 m³/s) May 7, 1969 (gage height, 17.95 ft or 5.471 m); no flow at times in 1964, 1969-70, and 1972-73.

Maximum stage since 1895, 22 ft (6.7 m) in May 1935, from information by a local resident and the city engineer of Greenville.

REMARKS: Records good. The extreme low flow is largely sustained by return flow from the water treatment plant upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1959	-	-	2080	195	474	126	1630	36.0	40.0	4840	2820	12540	-
1960	6560	4040	1010	4710	2450	282	3850	612	503	3600	87.0	20190	47894
1961	6330	3040	10820	424	636	1100	155	64.0	820	194	2890	4910	31383
1962	1900	1520	1880	4260	2070	5680	274	478	13010	1150	5780	211	38213
1963	670	148	958	2360	10730	105	4580	61.0	47.0	42.0	58.0	90.0	19849
1964	70.0	79.0	2320	3860	8730	1650	21.0	38.0	9100	64.0	7530	249	33711
1965	4340	14780	2650	456	19330	258	73.0	26.0	1050	38.0	197	101	43299
1966	144	2640	409	25660	7050	236	201	260	296	496	19.0	52.0	37463
1967	38.0	58.0	166	5070	10190	2430	50.0	15.0	5790	6580	1160	6250	37797
1968	6520	2200	14940	7750	21170	4220	5400	525	1770	735	2240	3640	71110
1969	11840	8670	10540	2250	26140	171	29.0	19.0	29.0	1810	88.0	6600	68186
1970	982	15150	15500	10320	621	267	28.0	203	2360	5470	138	74.0	51113
1971	94.0	830	403	51.0	70.0	21.0	348	3370	610	21750	186	35260	62993
1972	353	137	65.0	54.0	49.0	29.0	18.0	33.0	24.0	610	1570	205	3147
1973	3060	4620	6250	13840	225	6760	124	53.0	10650	21520	7350	4330	78782
1974	8480	386	1650	13580	1780	10310	25.0	519	15340	3440	12240	4440	72190
1975	2980	13260	2560	4140	11580	7270	380	28.0	24.0	43.0	58.0	53.0	42376
MAX	11840	15150	15500	25660	26140	10310	5400	3370	15340	21750	12240	35260	78782
MIN	38.0	58.0	65.0	51.0	49.0	21.0	18.0	15.0	24.0	38.0	19.0	52.0	3147
MEAN	3398	4472	4365	5822	7253	2407	1011	373	3615	4258	2612	5835	45421
NO.	16	16	17	17	17	17	17	17	17	17	17	17	16
DISIR OF MEAN	7.5%	9.8%	9.6%	12.8%	16.0%	5.3%	2.2%	.8%	8.0%	9.4%	5.8%	12.8%	100%

SABINE RIVER BASIN

08017300 South Fork Sabine River near Quinlan, Texas

LOCATION: Lat 32°53'52", long 96°15'11", Hunt County, at the bridge on Farm Road 1565, 2.4 mi (3.9 km) upstream from Dry Creek, 6.2 mi (10.0 km) upstream from Bearpen Creek, and 7 mi (11 km) southwest of Quinlan.

DRAINAGE AREA: 78.7 mi² (203.8 km²).

PERIOD OF RECORD: March 1959 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 461.40 ft (140.635 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 17 years, 47,464 ac-ft/yr (58.5 hm³/yr).

EXTREMES: Period of record (1959-75): Maximum discharge, 14,500 ft³/s (411 m³/s) May 7, 1969 (gage height, 16.93 ft or 5.160 m); no flow at times each year.

Maximum stage since at least 1890, 21 ft (6.4 m) July 29, 1902, from information by a local resident.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1959	-	-	211	43.0	116	204	388.0	3.80	8.50	1589.0	2400	89.80	-
1960	769.0	417.0	84.9	37.0	131.0	74.9	119.0	34.8	31.3	39.6	2.80	168.80	3393.5
1961	701.0	479.0	73.10	15.2	43.6	311.0	89.0	6.20	10.4	48.0	288.0	57.40	3167.5
1962	76.2	209.0	15.10	1325.0	13.00	776.0	316.0	2.00	523.0	482.0	730.0	4.51	4763.5
1963	74.5	2.60	22.0	1306.0	31.40	41.0	121.0	1.40	0	0	0	0	1822.2
1964	49.0	83.0	303.0	95.6	170.0	122.0	0	188	285.0	11.0	345.0	92.0	1362.9
1965	242.0	1726.0	79.0	18.0	2547.0	268	0	0	113	0	137	5.50	4577.1
1966	207	483.0	91.0	4125.0	565.0	161	41.0	61.4	87.6	165.0	4.00	50.0	5624.3
1967	19.0	7.00	158	454.0	1321.0	139.0	19.5	0	174.0	1553.0	298.0	53.20	4508.9
1968	795.0	268.0	1425.0	218.0	1474.0	384.0	92.5	4.0	32.0	0	50.6	13.80	4848.3
1969	203.0	56.10	1024.0	294.0	2183.0	20.0	0	0	0	11.3	10.0	30.90	4588.3
1970	238	1263.0	1157.0	659.0	400.0	219.0	0	47.3	730.0	1024.0	17.0	24.0	5527.2
1971	23.0	85.7	20.6	3.70	90.0	2.80	52.0	51.0	38.4	276.70	82.0	282.10	5809.0
1972	169.0	16.0	7.00	63.4	20.0	39.0	0	0	0	23.4	203.0	14.10	608.0
1973	642.0	71.40	373.0	1563.0	36.70	2348.0	234.0	0	1326.0	2873.0	731.0	62.30	11794.0
1974	1704.0	55.2	191.0	959.0	308.0	1160.0	0	595.0	2101.0	856.0	1376.0	39.00	9695.2
1975	252.0	1802.0	237.0	467.0	898.0	716.0	190.0	2.10	0	0	0	0	4562.2
MAX	1704.0	1802.0	1425.0	4125.0	2547.0	2348.0	388.0	595.0	2101.0	2873.0	1376.0	282.10	11794.0
MIN	19.0	2.60	7.00	3.70	20.0	2.80	0	0	0	0	0	0	608.0
MEAN	355.1	504.6	343.3	679.7	639.7	372.0	88.1	47.6	313.1	670.0	252.2	48.10	4746.4
NO.	16	16	17	17	17	17	17	17	17	17	17	17	16
DISTR OF MEAN	7.5%	10.6%	7.2%	14.3%	13.5%	7.8%	1.9%	1.0%	6.6%	14.1%	5.3%	10.1%	100%

SABINE RIVER BASIN

08017400 Lake Tawakoni near Wills Point, Texas

LOCATION: Lat 32°48'40", long 95°54'56", Rains-Van Zandt County line, in the stairwell at the left end of the spillway of Iron Bridge Dam on the Sabine River, 750 ft (229 m) upstream from the bridge on Farm Road 47, 3 mi (5 km) upstream from McBee Creek, and 9.0 mi (14.5 km) northeast of Wills Point.

DRAINAGE AREA: 756 mi² (1,958 km²).

PERIOD OF RECORD: October 1960 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES: Period of record (1960-75): Maximum contents, 1,130,000 ac-ft (1,393.3 hm³) May 1, 1966 (elevation, 442.58 ft or 134.900 m); minimum contents since the lake was first filled in May 1965, 802,700 ac-ft (990 hm³) October 21, 1972 (elevation, 433.65 ft or 132.177 m).

REMARKS: The lake is formed by a rolled earthfill dam 29,560 ft (9,010 m) long, including a 480-foot (146-m) uncontrolled concrete gravity spillway with an ogee weir section. The capacity of the lake is 936,200 ac-ft (1,154.3 hm³). The outlet works consist of two 4-by 6-foot (1.2-by 1.8-m) sluice gates and two 20-inch (508-millimeter) steel pipes controlled by service valves. Closure of the earthen dam began on July 1, 1960 and deliberate impoundment of water began on Oct. 7, 1960. The dam is operated by the Sabine River Authority.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1960	-	-	-	-	-	-	-	-	-	43200	47620	200200
1961	268700	308900	400700	401900	405000	437700	437200	425500	423100	415500	439800	486700
1962	499100	528900	536300	612300	614600	637400	645600	630100	717400	724000	784600	784200
1963	786200	786500	783600	874500	910400	901500	902200	881400	864400	848200	842400	834000
1964	835000	830200	843400	869300	879300	871700	846100	830200	853400	837700	855100	849900
1965	864800	967600	932600	926100	1007000	932600	905800	888800	885600	870000	867200	862400
1966	863100	908600	906500	1123000	920300	907600	893000	885300	889900	888100	874100	867900
1967	862000	856500	854800	893400	953600	929000	922900	896900	916400	994600	932600	939100
1968	972000	944200	943500	954000	935500	939100	934100	912500	905100	888400	899100	909300
1969	932600	964700	971700	949600	961000	922900	893000	868600	853400	863100	852700	895200
1970	893000	987600	961700	986800	951400	926100	898400	885300	929000	953600	931200	923200
1971	901500	899800	882800	875200	869600	849600	840700	844100	842400	965000	935900	957600
1972	940200	931500	916400	909000	892300	877600	851600	831900	816400	827200	844800	854400
1973	896200	934400	959900	995800	945600	948200	932600	904700	972400	1013000	973900	955100
1974	965800	940600	937300	976800	946000	946000	921100	919600	965400	985700	969800	952200
1975	953600	952500	956200	951400	970200	948500	931200	912500	887400	869300	858900	854100
MAX	972000	987600	971700	1123000	1007000	948500	934100	919600	972400	1013000	973900	957600
MIN	268700	308900	400700	401900	405000	437700	437200	425500	423100	43200	47620	200200
MEAN	828920	849500	852493	886607	877453	865033	850367	834493	848113	811663	806858	820344
NO.	15	15	15	15	15	15	15	15	15	16	16	16
DISTR												
OF MEAN	8.2%	8.4%	8.4%	8.8%	8.7%	8.5%	8.4%	8.2%	8.4%	8.0%	8.0%	8.1%

SABINE RIVER BASIN

08017410 Sabine River near Wills Point, Texas

LOCATION: Lat 32°48'34", long 95°54'46", Rains-Van Zandt County line, at the bridge on Farm Road 47, 750 ft (229 m) downstream from Iron Bridge Dam which forms Lake Tawakoni, 3.0 mi (4.8 km) upstream from McBee Creek, and 9.0 mi (14.5 km) northeast of Wills Point.

DRAINAGE AREA: 756 mi² (1,958 km²).

PERIOD OF RECORD: October 1970 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 370.00 ft (112.776 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 6 years, 374,617 ac-ft/yr (461.9 hm³/yr).

EXTREMES: Period of record (1970-75): Maximum discharge, 13,600 ft³/s (385 m³/s) Dec. 11, 1971 (gage height, 18.5 ft or 5.64 m); no flow in October 1971-72, April 1974, and September 1975.

Maximum discharge since construction of Iron Bridge Dam in 1960, about 21,000 ft³/s (595 m³/s) May 1, 1966, from theoretical rating curve of the flow over the dam 750 ft (229 m) upstream.

REMARKS: Records good. The flow is regulated by Lake Tawakoni (station 08017400).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1970	-	-	-	-	-	-	-	-	-	52690	11440	47.0	-
1971	14270	9690	4250	78.0	631	56.0	1290	55.0	82.0	55790	16390	179100	281682
1972	31700	4330	3770	1800	995	48.0	35.0	52.0	45.0	38.0	207	160	43180
1973	952	4620	69170	103600	62880	110600	4750	387	14040	106100	118700	50410	646209
1974	95960	21200	12080	39940	50050	76620	3330	174	51680	27330	151100	66750	596214
1975	24440	137800	34030	53850	56860	65890	7310	196	171	135	305	101	381088
MAX	95960	137800	69170	103600	62880	110600	7310	387	51680	106100	151100	179100	646209
MIN	952	4330	3770	78.0	631	48.0	35.0	52.0	45.0	38.0	207	160	43180
MEAN	33464	35528	24660	39854	34283	50643	3343	173	13204	40347	49690	49428	374617
NO.	5	5	5	5	5	5	5	5	5	6	6	6	5
DISTR													
OF MEAN	8.9%	9.5%	6.6%	10.6%	9.2%	13.5%	.9%	.0%	3.5%	10.8%	13.3%	13.2%	100%

SABINE RIVER BASIN

08017500 Sabine River near Emory, Texas

LOCATION: Lat 32°46'23", long 95°47'56", Rains-Van Zandt County line, at the bridge on State Highway 19, 3.7 mi (6.0 km) upstream from Sandy Creek, 7.2 mi (11.6 km) south of Emory, 12.3 mi (19.8 km) downstream from McBee Creek, and 13.8 mi (22.2 km) downstream from Lake Tawakoni.

DRAINAGE AREA: 888 mi² (2,300 km²), including Little and Yellow Steer Sloughs.

PERIOD OF RECORD: August 1952 to September 1973.

GAGE: Water-stage recorder. Datum of gage is 350.28 ft (106.77 m) above mean sea level.

AVERAGE DISCHARGE: 22 years, 342,486 ac-ft/yr (422.3 hm³/yr).

EXTREMES: Period of record (1952-73): Maximum discharge, 74,000 ft³/s (2,100 m³/s) Apr. 27, 1957, gage height, 25.06 ft (7.64 m); no flow at times. Maximum discharge since construction of Lake Tawakoni Dam in 1960, 24,900 ft³/s (705 m³/s) May 1, 1966, gage height, 18.38 ft (5.60 m).

Maximum stage since at least 1900, 25.7 ft (7.83 m) in June 1943, from information by a local resident and the State Highway Department.

REMARKS: Records good. The flow is largely regulated by Lake Tawakoni (station 08017400) since October 1960. The records included flow in Little and Yellow Steer Sloughs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	-	-	-	-	2.40	0	0	20470	48700	-
1953	17360	1270	21170	113100	187700	62.0	5270	443	726	0	5260	27420	379781
1954	74560	9230	206	22950	33710	6170	.20	0	0	44120	20910	375	212231
1955	2160	28310	10170	28090	3730	1300	2.60	1650	1030	42.0	0	0	76485
1956	72.0	10740	78.0	142	40480	138	0	0	0	0	6650	902	59202
1957	5580	16400	80940	455300	358000	97880	1190	396	9210	82530	136300	11350	1255076
1958	40470	1240	65700	202600	230100	19250	15670	130	4390	144	734	516	580944
1959	898	35830	16310	41110	8590	5030	26250	6970	405	111900	22390	106900	382583
1960	108200	43650	20220	1430	24480	21320	10420	1700	2440	3810	1290	30050	269010
1961	13310	8620	11010	1920	189	10400	82.0	75.0	40.0	17.0	1790	3760	51213
1962	1900	6210	1070	10010	1830	466	463	2.80	8060	1370	10480	1780	43642
1963	1850	384	453	17990	1780	595	623	240	205	184	119	129	24552
1964	187	300	855	14040	199	65.0	0	148	1320	55.0	106	123	17398
1965	432	54700	39220	1670	189900	85050	27.0	6.40	4720	123	1460	78.0	377386
1966	3750	8550	1790	149400	338200	147	24.0	162	352	648	473	580	504076
1967	259	255	134	3280	9040	75650	2030	25.0	1850	46440	97040	58050	294053
1968	44650	65110	139100	50700	211800	14070	3660	181	532	299	1030	2970	534102
1969	961	34920	130100	50970	301300	24510	123	21.0	0	2050	647	9050	554652
1970	2760	25230	192500	63830	55570	23750	136	538	5790	71520	18500	5820	465944
1971	15830	13010	6440	1050	4830	13.0	11230	1250	1820	91740	23450	271200	441863
1972	43330	4570	3760	1670	829	76.0	8.00	0	0	1960	3230	3440	62873
1973	9040	10760	89100	149000	89180	164300	6610	678	20900	-	-	-	-
MAX	108200	65110	192500	455300	358000	164300	26250	6970	20900	111900	136300	271200	1255076
MIN	72.0	255	78.0	142	189	13.0	0	0	0	0	0	0	17398
MEAN	18455	18061	39539	65726	99592	26202	3991	664	2900	21855	17730	27771	342486
NO.	21	21	21	21	21	21	21	22	22	21	21	21	20
DISTR													
OF MEAN	5.4%	5.3%	11.5%	19.2%	29.1%	7.7%	1.2%	.2%	.8%	6.4%	5.2%	8.1%	100%

SABINE RIVER BASIN
08018000 Sabine River near Golden, Texas

LOCATION: Lat 32°43'13", long 95°38'05", Wood-Van Zandt County line, at a bridge 50 ft (15.2 m) below the mouth of Blair Creek, 3 mi (4.8 km) above the mouth of Grand Saline Creek, and 5.5 mi (8.8 km) southwest of Golden.

DRAINAGE AREA: 1,200 mi² (3,108 km²).

PERIOD OF RECORD: July 1924 to September 1925.

GAGE: Staff gage. Datum of gage is 323.94 ft (98.7 m) above mean sea level.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	-	-	5.60	151	6520	169	1570	1220	-
1925	1620	1400	370	10700	82000	4380	565	2.80	30.3	-	-	-	-
MAX	1620	1400	370	10700	82000	4380	565	151	6520	169	1570	1220	-
MIN	1620	1400	370	10700	82000	4380	5.60	2.80	30.3	169	1570	1220	-
MEAN	1620	1400	370	10700	82000	4380	285	76.9	3275	169	1570	1220	107066
NO.	1	1	1	1	1	1	2	2	2	1	1	1	0
DISTR OF MEAN	1.5%	1.3%	.3%	10.0%	76.6%	4.1%	.3%	.1%	3.1%	.2%	1.5%	1.1%	100%

SABINE RIVER BASIN

08018200 Grand Saline Creek near Grand Saline, Texas

LOCATION: Lat 32°40'20", long 95°36'36", Van Zandt County, at the bridge on U.S. Highway 80, 0.3 mi (0.5 km) downstream from the Texas and Pacific Railway Co. bridge, 1.7 mi (2.7 km) upstream from the mouth, and 5.5 mi (8.8 km) east of Grand Saline.

DRAINAGE AREA: 91.4 mi² (237 km²).

PERIOD OF RECORD: February 1968 to September 1973.

GAGE: Water-stage recorder. Datum of gage is 325.5 ft (99.2 m) above mean sea level.

AVERAGE DISCHARGE: 6 years, 46,457 ac-ft/yr (57.3 hm³/yr).

EXTREMES: Period of record (1968-73): Maximum discharge, 7,850 ft³/s (222 m³/s) June 4, 1973, gage height, 13.05 ft (3.98 m); maximum gage height, 16.62 ft (5.07 m) Dec. 10, 1971 (backwater from the Sabine River); no flow at times in 1969-71.

Maximum stage since about 1945, 16.62 ft (5.07 m) Dec. 10, 1971 (backwater from the Sabine River).

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1968	-	5300	7010	6680	21060	1260	635	67.7	821	129	1840	3580	-
1969	2220	11500	19570	6860	20760	320	25.0	0	6.70	478	688	3690	66118
1970	2140	8740	11160	3890	1030	1220	98.0	31.0	42.0	2390	355	288	31384
1971	308	637	385	195	108	26.0	1420	180	25.0	2530	1880	23030	30724
1972	6620	1190	553	209	239	2780	48.0	32.0	39.0	377	1610	3180	16877
1973	4980	2530	13970	24870	549	24640	135	121	987	-	-	-	-
MAX	6620	11500	19570	24870	21060	24640	1420	180	987	2530	1880	23030	66118
MIN	308	637	385	195	108	26.0	25.0	0	6.70	129	355	288	16877
MEAN	3254	4983	8775	7117	7291	5041	394	71.9	320	1181	1275	6754	46457
NO.	5	6	6	6	6	6	6	6	6	5	5	5	4
DISTR OF MEAN	7.0%	10.7%	18.9%	15.3%	15.7%	10.9%	.8%	.2%	.7%	2.5%	2.7%	14.5%	100%

SABINE RIVER BASIN

08018500 Sabine River near Mineola, Texas

LOCATION: Lat 32°36'49", long 95°29'08", Wood-Smith County line, 75 ft (23 m) downstream from the bridge on U.S. Highway 69, 3.5 mi (5.6 km) south of Mineola, 4.5 mi (7.2 km) upstream from the Missouri-Pacific Railway Co. bridge, and 16.2 mi (26.1 km) upstream from Lake Fork Creek.

DRAINAGE AREA: 1,357 mi² (3,515 km²).

PERIOD OF RECORD: June 1939 to September 1959, October 1967 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 304.16 ft (92.708 m) above mean sea level, datum of 1929. May 12, 1939 to Dec. 11, 1955, at site 55 ft (17 m) upstream from the downstream side of the bridge; Dec. 12, 1955 to Dec. 12, 1959, at the downstream side of the bridge; Oct. 1, 1967 to Sept. 12, 1968, nonrecording gage at the downstream side of the bridge. All gages at present datum.

AVERAGE DISCHARGE: 30 years (1939-59, 1967-75), 775,926 ac-ft/yr (956.7 hm³/yr).

EXTREMES: Period of record (1939-59, 1967-75): Maximum discharge, 76,000 ft³/s (2,150 m³/s) Apr. 1, 1945 (gage height, 24.00 ft or 7.315 m); maximum gage height, 24.37 ft (7.428 m) June 8, 1943; no flow at times.

Maximum stage since at least 1890, that of June 8, 1943.

REMARKS: Records good. The flow is partly regulated by Lake Tawakoni (station 08017400) located 53 mi (85 km) upstream since October 1960 and by Lake Holbrook (capacity, 7,990 ac-ft or 9.85 hm³) on a tributary stream since September 1962.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1939	-	-	-	-	-	6620	3150	40	40	260	179	1260	-
1940	644	8720	10060	86360	64500	80580	51310	7500	18360	2120	104000	196900	631054
1941	54170	56720	109600	48670	194200	267100	30830	19250	7220	8500	19470	53050	868780
1942	7230	34730	25090	621600	217900	90190	615	9720	12880	9310	19810	41010	1090085
1943	31310	6380	69100	33510	64020	483400	1850	860	182	21360	940	10510	722648
1944	49590	93150	195200	50390	408900	90220	3950	181	2980	1220	17820	93870	1007471
1945	129900	189900	558600	412300	17830	362200	129800	5140	1400	63360	24390	13680	1908500
1946	130000	245000	78450	47230	193400	278600	3990	7620	8740	3710	399500	87890	1484130
1947	69710	8890	37730	101500	33470	30400	2970	3190	23310	881	51210	199500	562761
1948	99720	94290	146300	11630	168700	4810	6140	2370	345	235	1920	3080	539540
1949	72880	171500	85830	31970	56090	35770	19710	9660	2020	98830	14700	3860	602820
1950	123600	402000	38090	44400	229000	55640	20480	42320	25710	1050	1830	1230	985350
1951	8190	75830	10430	3780	17810	133500	11990	223	106	747	1280	1940	265826
1952	3980	6340	18370	202200	115300	41940	787	170	0	190	8910	80810	478673
1953	28510	5570	39340	48000	453500	545	18210	892	2640	218	5740	32310	635475
1954	88110	22540	2800	26590	41830	8740	300	0	0	52900	47780	4710	296030
1955	6140	43400	50660	56340	5130	2120	1610	3470	3690	253	215	825	173853
1956	1620	24940	1800	1050	56770	286	20	0	0	850	7010	1420	94905
1957	6880	29270	96230	563400	465000	160300	1320	532	14800	119900	210800	24410	1692842
1958	89160	8440	85820	257500	415400	21400	38900	524	9250	5190	5340	4260	941204
1959	3060	65530	31030	122600	18720	6350	18560	18140	834	-	-	-	-
1960	-	-	-	-	-	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	-	-	-	-	-	-	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	-	-	37610	197800	128900	-
1968	113300	117500	179500	107700	426400	59990	7480	813	5070	1320	11350	32330	1062753
1969	8370	112700	256700	97770	417400	34460	299	450	179	953	8440	19040	956356
1970	27670	43250	246600	65570	73990	37100	799	254	3100	58750	25940	3540	586563
1971	13210	14020	8780	1890	9000	340	7680	14800	2850	70800	50700	356600	550670
1972	99290	16530	7970	2900	1880	5500	395	200	736	3590	11740	16860	167411
1973	32910	32710	147000	233400	110100	242900	8280	1020	17440	132700	173600	109400	1241460
1974	166400	50210	21180	60000	117200	112300	4560	1210	36660	29800	315100	126000	1040620
1975	40610	240700	82730	130500	116100	114500	11490	1250	583	539	950	1350	741302
MAX	166400	402000	558600	621600	465000	483400	129800	42320	36660	132700	399500	356600	1908500
MIN	644	5570	1800	1050	1880	286	20	0	0	260	179	825	94905
MEAN	53792	79313	94321	123955	161055	95441	14041	5181	6934	25030	59947	56916	775926
NO.	28	28	28	28	28	29	29	29	29	29	29	29	27
DISTR OF MEAN	6.9%	10.2%	12.2%	16.0%	20.8%	12.3%	1.8%	.7%	.9%	3.2%	7.7%	7.3%	100%

SABINE RIVER BASIN

08019000 Lake Fork Creek near Quitman, Texas

LOCATION: Lat 32°45'45", long 95°27'48", Wood County, at the bridge on State Highway 37, 0.3 mi (0.5 km) downstream from Dry Creek, 2.4 mi (3.9 km) south of Quitman, and 23.4 mi (37.7 km) upstream from the mouth.

DRAINAGE AREA: 585 mi² (1,515 km²).

PERIOD OF RECORD: July 1924 to April 1926, March 1939 to December 1975. Prior to October 1961, published as "Lake Fork Sabine River near Quitman".

GAGE: Nonrecording gage. Datum of gage is 317.42 ft (96.750 m) above mean sea level, datum of 1929. June 27, 1924 to Apr. 30, 1926, nonrecording gage at site 1,000 ft (305 m) downstream at same datum.

AVERAGE DISCHARGE: 40 years (1924-26, 1939-75), 315,998 ac-ft/yr (389.6 hm³/yr).

EXTREMES: Period of record (1924-26, 1939-75): Maximum discharge, 75,600 ft³/s (2,140 m³/s) Mar. 30, 1945 (gage height, 29.85 ft or 9.098 m, from floodmark); no flow at times most years.

Maximum stage since at least 1890, that of March 30, 1945.

REMARKS: Records good. No diversion above station. During 1975, construction began on Lake Fork Creek Reservoir (capacity, 675,800 ac-ft or 833 hm³) located about 5 mi (8 km) upstream from the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	-	-	20.8	207	2870	28.2	1170	248	-
1925	1430	1320	799	8880	22900	135	54.0	262	512	3350	23300	507	63449
1926	33100	2080	40600	44700	-	-	-	-	-	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	-	-
1939	-	-	24310	16730	948	109	157	0	5.20	0	.20	29.0	-
1940	18.0	4.92	3250	31440	50610	23090	21390	4540	2710	238	34310	75650	247738
1941	16590	30070	54080	34020	48530	62240	14100	4510	1230	323	4000	10040	279733
1942	5040	10900	15460	207500	73620	10440	228	1900	2060	752	2170	19900	349970
1943	8800	3590	18370	6930	38890	175900	619	1.40	34.0	2670	38.0	2280	258122
1944	13430	34430	52690	27770	158200	27680	1980	257	3790	72.0	8040	31780	360119
1945	52670	88850	391800	114700	13200	120100	56040	1860	187	51200	13320	7590	911517
1946	101200	120400	58420	17260	156700	90980	1200	2840	610	716	133600	39610	723536
1947	39700	5980	23530	59850	27670	7730	147	1330	998	30.0	16280	88810	272055
1948	37390	63760	71400	13710	98510	11440	4330	215	2.60	0	511	868	291837
1949	56350	56820	33140	38540	21880	3760	5640	329	1000	95260	3090	7170	322979
1950	67850	180800	37140	17140	103600	33320	40410	8010	8520	1230	560	855	499435
1951	6520	60300	8380	2830	7320	10980	1880	5.40	.40	2.00	365	1320	99903
1952	7230	7310	16450	132700	55710	7190	144	1.20	0	0	5940	36170	268845
1953	17840	8060	17700	75640	156400	331	9130	960	11890	63.0	1050	17490	316554
1954	50570	24740	3210	9790	17120	1300	.20	0	0	24260	9970	2020	142980
1955	5280	12670	21320	29440	2020	667	12.0	1660	3070	206	0	45.0	76390
1956	347	15470	1090	962	14280	182	0	0	0	0	1570	159	34060
1957	3970	10530	37880	229100	176500	72130	165	260	6300	38530	104300	19080	698745
1958	57850	7160	47820	208600	145500	17260	5280	33.0	8330	2010	7070	4810	511723
1959	2400	48670	46200	61760	5820	2390	9500	1600	2260	28860	8010	105600	323070
1960	107300	39150	29090	3060	5370	8010	5460	250	4980	3920	8760	108900	324250
1961	57950	54810	60680	26560	4220	31600	7160	666	2480	141	11890	34380	292537
1962	20960	27030	29890	33020	27510	7920	7470	2720	28750	2320	19770	19960	227320
1963	16200	2160	6500	18560	37300	8130	470	50.0	200	0	0	19.0	89589
1964	195	1310	3750	17810	1180	866	1.00	53.0	162	269	605	144	26345
1965	1560	50620	8700	1880	112100	20310	152	0	1280	41.0	229	86.0	196958
1966	2120	34050	2870	156600	143000	1510	872	3000	14550	5590	431	6230	370823
1967	3830	4000	4030	29140	54890	28540	1380	3.60	1480	13290	49970	53380	243934
1968	58540	35780	85600	45110	167800	28990	3800	335	8370	1100	10840	40040	486305
1969	8260	87790	106400	45620	143600	1710	26.0	22.0	0	192	2560	6940	403120
1970	19110	37040	108700	45520	10800	20720	953	867	5730	23040	4260	1640	278380
1971	1990	14390	7890	1490	11090	188	3580	3220	2290	34930	4520	207800	293378
1972	52570	10060	5310	1780	822	12770	256	8.00	40.0	4280	23210	25230	136336
1973	35460	42510	115700	143400	11800	60750	2290	101	9120	31050	90260	58300	600741

SABINE RIVER BASIN

08019000 Lake Fork Creek near Quitman, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	99580	14020	15890	67200	13060	48690	297	925	44910	7700	191300	79770	583342
1975	26450	130000	56850	56490	74140	47620	4390	1660	906	768	524	962	400760
MAX	107300	180800	391800	229100	176500	175900	56040	8010	44910	95260	191300	207800	911517
MIN	18.0	492	799	962	822	109	0	0	0	0	0	19.0	26345
MEAN	28886	36293	42895	53416	58279	26247	5410	1145	4657	9703	20456	28611	315998
NO.	38	38	39	39	38	38	39	39	39	39	39	39	37
DISTR OF MEAN	9.1%	11.5%	13.6%	16.9%	18.4%	8.3%	1.7%	.4%	1.5%	3.1%	6.5%	9.1%	100%

SABINE RIVER BASIN

08019300 Lake Winnsboro near Winnsboro, Texas

LOCATION: Lat 32°53'11", long 95°20'37", Wood County, near the left end of the dam on Big Sandy Creek, 0.8 mi (1.3 km) upstream from the bridge on State Highway 37, 2.5 mi (4.0 km) upstream from Indian Creek, and 5.8 mi (9.3 km) southwest of Winnsboro.

DRAINAGE AREA: 27.1 mi² (70.2 km²).

PERIOD OF RECORD: June 1962 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Jan. 19, 1963, nonrecording gage at same site and datum.

EXTREMES: Period of record (1962-75): Maximum contents, 11,640 ac-ft (14.4 hm³) Feb. 5, 1975 (elevation, 422.92 ft or 128.906 m); minimum contents since the first appreciable storage, 2,430 ac-ft (3.00 hm³) Jan. 19, 20, 1965 (elevation, 409.79 ft or 124.904 m).

REMARKS: The lake is formed by a rolled earthfill dam 2,500 ft (762 m) long, with a capacity of 8,110 ac-ft (10.0 hm³). Storage began on June 11, 1962 and the dam was completed in August 1962. The dam was built by Wood County for flood control and recreational purposes. The spillway is an uncontrolled 20-foot (6-m) square drop inlet at crest elevation of 419.0 ft (127.71 m). The crest was raised in April 1966 from elevation 417 to 419 ft (127.1 to 127.7 m). The other spillway is a 300-foot wide (91 m) cut channel through natural ground near the right end of the dam.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1962	-	-	-	-	-	248	288	238	511	568	911	1220
1963	1690	1880	2240	3460	3700	3500	3280	2940	2740	2550	2560	2550
1964	2580	-	2960	3540	3390	3180	2800	2790	2690	2540	2490	2460
1965	2460	3810	4200	4160	7470	7030	6400	5960	5810	5590	5500	5440
1966	5460	5910	5790	9660	8140	7710	7280	7560	7780	7660	7520	8010
1967	8100	8130	8120	8270	8640	7740	7430	7040	7060	7400	7430	8400
1968	8440	8270	8130	8580	8100	8250	7830	7400	7750	7610	8340	8230
1969	8600	8340	8940	8290	8160	7780	7180	6770	6500	6490	6390	6900
1970	7120	8290	8210	8190	8300	8080	7530	7090	6940	7130	7030	6990
1971	6910	7210	7260	7150	7160	6690	6620	6370	6200	6230	6180	8230
1972	8350	8140	8040	7860	7540	8070	7610	7130	6900	7260	7680	8180
1973	8340	8250	8380	8360	8050	7960	7710	7180	7280	9120	8400	8220
1974	8390	8190	8130	8460	8140	7940	7520	8830	8250	8830	8710	8400
1975	8590	8320	8380	8870	8890	8140	7660	7570	7120	6760	6680	6710
MAX	8600	8340	8940	9660	8890	8250	7830	8830	8250	9120	8710	8400
MIN	1690	1880	2240	3460	3390	248	288	238	511	568	911	1220
MEAN	6541	7062	6829	7296	7360	6594	6224	6062	5967	6124	6130	6424
NO.	13	12	13	13	13	14	14	14	14	14	14	14
DISTR												
OF MEAN	8.3%	9.0%	8.7%	9.3%	9.4%	8.4%	7.9%	7.7%	7.6%	7.8%	7.8%	8.2%

SABINE RIVER BASIN

08019500 Big Sandy Creek near Big Sandy, Texas

LOCATION: Lat 32°36'12", long 95°05'32", Upshur County, at the bridge on State Highway 165, 0.5 mi (0.8 km) upstream from the St. Louis-Southwestern Railway Lines bridge, 1.6 mi (2.6 km) northeast of Big Sandy, and 6.5 mi (10.5 km) upstream from the mouth.

DRAINAGE AREA: 231 mi² (598 km²).

PERIOD OF RECORD: March 1939 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 278.38 ft (84.850 m) above mean sea level, datum of 1929. Prior to Oct. 5, 1940, nonrecording gage, and Oct. 5, 1940 to Nov. 26, 1951, water-stage recorder at site 1.3 mi (2.1 km) upstream at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE: 37 years, 132,183 ac-ft/yr (163.0 hm³/yr).

EXTREMES: Period of record (1939-75): Maximum discharge, 24,000 ft³/s (680 m³/s) Mar. 31, 1945 (gage height, 24.1 ft or 7.35 m, present site and datum, from floodmark); minimum, 5.0 ft³/s (0.14 m³/s) Aug. 15, 1956.

Maximum stage since at least 1875, that of March 31, 1945, from information by local residents.

REMARKS: Records good. The flow is partly regulated by Lake Winnaboro (station 08019300) since June 1962.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1939	-	-	15120	11310	2270	1320	908	682	508	616	1290	2640	-
1940	2220	4490	4390	7660	9650	10320	6630	2440	2920	1080	16420	20380	88600
1941	12410	11450	23560	12830	8730	24740	7520	2040	1930	3050	5060	12900	126220
1942	9250	9290	10660	40760	32100	7330	2180	6190	3330	2750	3510	16690	144040
1943	15140	6880	8910	7800	8740	29260	2160	1020	1240	9330	2080	7630	100190
1944	19300	29590	28100	20700	52910	8990	1560	1620	2110	1330	4160	17230	187600
1945	25060	25580	111300	54980	13140	35410	11370	2980	1970	17770	8590	13630	321780
1946	45820	31440	29290	16960	59530	41920	4710	4210	3580	3560	40780	20470	302290
1947	22190	11640	18920	23650	14590	5550	1840	1600	2070	2000	5400	33200	142650
1948	23150	24070	31910	11820	29460	4320	2250	1340	1130	1490	2480	3350	136770
1949	14530	19480	16930	15690	18720	4550	14350	2990	3430	27520	7790	8050	154030
1950	37200	50840	13070	13830	53780	11860	12280	7130	6170	3410	4240	4490	218300
1951	10400	26490	10760	7110	9420	4800	1940	1060	1550	1720	2980	3270	81500
1952	4880	7830	10770	37360	13420	9050	1570	948	789	964	4610	12190	104381
1953	9550	7620	13560	12630	60100	2250	7040	2660	4110	1690	3600	11290	136100
1954	13920	8700	5270	4810	10000	4540	1090	642	539	1500	3120	4200	58331
1955	4770	7780	16400	11940	3690	1590	1460	2060	1850	1160	1140	2020	55860
1956	2830	9030	3970	2510	4600	770	470	427	506	515	1150	1510	28288
1957	1980	8080	10360	60170	35330	25690	2360	2660	3240	15060	31740	12910	209580
1958	23450	9890	18490	63520	43230	14650	8600	2210	6830	4030	9200	7510	211610
1959	5200	17560	18710	31090	10710	4870	4290	4120	3670	3050	3800	22720	129790
1960	42640	15810	17900	6120	5590	3570	3700	2310	3100	3000	4790	37960	146490
1961	23950	23250	27310	17380	5380	10440	7980	2570	3970	2360	8600	25150	158340
1962	14720	17740	20280	14220	12730	4070	3910	1630	2730	3120	4430	6070	105650
1963	6090	4370	7060	10900	11140	1780	1410	972	1270	1060	1920	2590	50562
1964	2720	4190	6450	5530	3340	1350	657	819	1130	1320	2000	1940	31446
1965	3650	11930	6650	3780	14800	6430	879	607	783	893	1190	1670	53262
1966	2360	4170	2920	42690	39650	2350	954	1480	3340	1950	2450	3260	107574
1967	4580	3320	3610	8840	8680	12690	1180	719	1130	1300	3150	7180	56379
1968	16730	9940	20750	17770	48960	12550	4500	1650	3760	2920	5220	13870	158620
1969	6870	27800	42680	25240	26570	3580	1190	994	1000	1400	5760	7770	150854
1970	9020	9550	25180	14260	7330	6220	1490	1050	1560	4370	4160	3570	87760
1971	3850	4980	4560	3170	2830	978	3600	2300	970	1570	3870	21250	53928
1972	22900	8710	7530	3260	3280	3160	1630	942	1170	2210	7420	8090	70302
1973	10810	14230	40350	63530	11800	30470	3670	2000	6070	9190	27940	24450	244510
1974	26540	13520	10540	24430	11010	24140	2450	3020	26240	7360	52610	32270	234130
1975	19560	36760	29880	21930	36310	13990	4760	2350	1700	1900	2920	4960	177020
MAX	45820	50840	111300	63530	60100	41920	14350	7130	26240	27520	52610	37960	321780
MIN	1980	3320	2920	2510	2270	770	470	427	506	515	1140	1510	28288
MEAN	14451	14944	18759	20329	20095	10582	3798	2066	3065	4042	8151	11901	132183
NO.	36	36	37	37	37	37	37	37	37	37	37	37	36
DISTR OF MEAN	10.9%	11.3%	14.2%	15.4%	15.2%	8.0%	2.9%	1.6%	2.3%	3.1%	6.2%	9.0%	100%

SABINE RIVER BASIN
08020000 Sabine River near Gladewater, Texas

LOCATION: Lat 32°31'37", long 94°57'36", Gregg County, 46 ft (14 m) downstream from the bridge on U.S. Highway 271, 0.4 mi (0.6 km) downstream from Glade Creek, and 1.2 mi (1.9 km) southwest of Gladewater.

DRAINAGE AREA: 2,791 mi² (7,229 km²).

PERIOD OF RECORD: October 1932 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 243.85 ft (74.325 m) above mean sea level. Prior to Oct. 13, 1933, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 44 years, 1,408,052 ac-ft/yr (1,736.1 hm³/yr).

EXTREMES: Period of record (1932-75): Maximum discharge, 138,000 ft³/s (3,910 m³/s) Apr. 2, 1945 (gage height, 44.16 ft or 13.460 m, from floodmark); minimum 5.6 ft³/s (0.16 m³/s) Aug. 16, 1939.

Maximum stage since at least 1892, that of Apr. 2, 1945.

REMARKS: Records good. The flow is partly regulated by Lake Tawakoni (station 08017400) since 1960 and five smaller reservoirs, with a combined capacity of 975,500 ac-ft (1,202.8 hm³). There are many diversions above the station for oilfield operations and municipal water supply.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1932	-	-	-	-	-	-	-	-	-	4970	3990	33800	-
1933	289000	56600	213000	109000	152000	69600	60000	9040	5180	9280	6010	33800	1012510
1934	92800	81100	247000	343000	27900	15400	1800	812	1170	1170	16150	40260	868562
1935	130000	207300	109000	70440	571200	321900	50320	2320	6880	23220	63850	109300	1665730
1936	21480	22280	24210	10220	114300	9250	14250	1230	758	85690	31280	49840	384788
1937	231800	99460	221300	151900	15580	12170	3080	2760	3970	4250	36970	108900	892140
1938	760800	361600	129700	648300	47660	14410	5670	6780	1240	1030	5150	10260	1992600
1939	39110	114400	192900	121500	14480	12440	6670	809	613	709	2510	9730	515871
1940	8980	27170	21920	148300	87600	166900	97060	10580	36780	4260	133600	401700	1144850
1941	259000	123100	301700	108100	330700	459800	123900	31260	34920	29650	48530	118100	1968760
1942	47290	82930	87010	805200	561000	170000	10540	65880	33620	20310	35690	66520	1985990
1943	132700	32670	66990	129500	95620	853000	11680	2600	2060	60200	10050	36900	1433970
1944	141800	213400	315500	172000	747800	204000	12350	4180	11040	4450	25040	155600	2007160
1945	315700	205600	780600	1392000	80370	546200	239100	17700	7010	158800	68170	65810	3877060
1946	353500	432400	193300	184300	357700	771800	25110	12690	22520	18310	647400	204500	3223530
1947	187700	64710	138000	245300	114700	42070	25030	3980	33070	7660	64710	407800	1334730
1948	202400	252100	322900	80050	395900	23870	14020	8310	3360	3600	9330	14940	1330780
1949	67280	233100	291700	122000	149300	62380	57700	35400	12110	135100	149600	35000	1350670
1950	306300	775600	123600	93640	461100	148300	36710	93280	50880	12450	16070	15790	2133720
1951	41190	154200	104700	31540	50760	138700	20360	2400	3730	4160	12050	17010	580800
1952	28850	43170	79910	332700	219400	179700	5970	1590	1080	1370	15220	147500	1056460
1953	85790	37370	119700	93560	818200	13530	61990	12430	24440	4160	17440	89960	1378570
1954	152800	86010	29920	53680	107100	22570	1840	776	701	24820	121900	27700	629817
1955	39550	97190	136000	166400	25990	10180	7430	11010	20510	4090	3220	8430	530000
1956	14270	70410	15770	10460	85850	2910	1030	530	558	889	9720	4340	216737
1957	13050	63490	110500	620700	996300	526200	8190	8070	19830	169700	377900	94680	3008610
1958	189900	83140	160200	240300	940200	70210	77990	9990	47450	32820	35830	38300	1926330
1959	25890	151100	132200	251600	131700	31320	31470	38100	12580	143600	48790	325100	1323450
1960	459600	170200	155400	29750	51910	36610	55080	14790	14550	26840	38910	429000	1482640
1961	225400	187000	168300	153800	31940	71160	80630	11160	16660	10260	44300	159900	1160510
1962	91260	111600	152200	81770	131600	17740	20660	13290	34430	19840	26820	68760	769970
1963	48840	20980	37780	53210	213300	18280	6920	3500	3110	1800	5170	9790	422680
1964	12210	20000	33890	45410	28200	5890	1100	1110	3510	4440	5230	8980	169970
1965	18610	133300	117300	26850	287100	286000	3850	1640	7350	3230	5220	6190	896640
1966	13190	66740	21180	388800	1051000	24880	7020	8270	31840	13340	11790	17390	1655460
1967	26380	19650	19450	63770	100200	185700	17640	1900	6630	29750	210600	154200	835870
1968	229400	187700	333100	285200	669800	185800	42050	7320	22200	11120	29710	120300	2123700
1969	42140	199700	454100	327800	552200	97120	4300	2280	2350	3350	37590	59840	1782770
1970	98070	95870	474100	148100	171100	71480	10200	2460	10160	78580	67400	19650	1247170
1971	29760	42720	40060	14340	24520	2920	14700	33130	6740	56860	110600	650300	1026650
1972	269700	62330	38220	18160	13330	25660	5080	1770	4060	13740	67990	82980	603020
1973	90050	136900	301700	539000	320200	401400	29190	7280	48500	206700	322700	283200	2686820
1974	319200	176200	88710	113300	228500	229600	18250	10470	152700	94040	466500	443900	2341370
1975	152000	536700	221000	241600	289000	219700	40190	11900	6780	6870	11450	19460	1756650
MAX	760800	775600	780600	1392000	1051000	853000	239100	93280	152700	206700	647400	650300	3877060
MIN	8980	19650	15770	10220	13330	2910	1030	530	558	709	2510	4340	169970
MEAN	146622	147423	170366	215501	275914	157645	31817	12251	17898	35261	79049	118305	1408052
NO.	43	43	43	43	43	43	43	43	43	44	44	44	43
DISTR													
OF MEAN	10.4%	10.5%	12.1%	15.3%	19.6%	11.2%	2.3%	.9%	1.3%	2.5%	5.6%	8.4%	100%

SABINE RIVER BASIN

08020200 Prairie Creek near Gladewater, Texas

LOCATION: Lat 32°28'48", long 94°57'10", Gregg County, at the bridge on State Highway 135, 0.7 mi (1.1 km) upstream from Little Caney Creek, 3.5 mi (5.6 km) upstream from the mouth, and 3.9 mi (6.3 km) south of Gladewater.

DRAINAGE AREA: 48.9 mi² (126.7 km²).

PERIOD OF RECORD: February 1968 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 280.95 ft (85.634 m) above mean sea level.

AVERAGE DISCHARGE: 8 years, 27,244 ac-ft/yr (33.6 hm³/yr).

EXTREMES: Period of record (1968-75): Maximum discharge, 4,030 ft³/s (114 m³/s) May 10, 1968 (gage height, 9.91 ft or 3.021 m); no flow at times.

Maximum stage since 1938, 14.8 ft (4.51 m) Apr. 25, 1966, from information by the State Highway Department.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1968	-	2650	3320	3760	11590	2480	648	83.0	312	339	697	1940	-
1969	1600	3630	7070	5810	2720	347	24.0	0	11.0	47.0	894	2610	24763
1970	2320	2490	4690	3010	864	362	110	29.0	49.0	2060	1810	1030	18824
1971	918	1160	1180	688	373	13.0	340	388	137	70.0	208	1840	7315
1972	2950	1120	2100	543	474	573	370	21.0	261	1550	2980	4280	17222
1973	2950	3200	10600	11230	1400	6490	636	229	3100	4070	4190	5390	53485
1974	6540	3690	2410	2580	1920	2380	237	331	3590	2020	5900	4040	35638
1975	3770	7540	2880	2860	6260	3420	735	245	69.0	225	739	1130	29873
MAX	6540	7540	10600	11230	11590	6490	735	388	3590	4070	5900	5390	53485
MIN	918	1120	1180	543	373	13.0	24.0	0	11.0	47.0	208	1030	7315
MEAN	3007	3185	4281	3810	3200	2008	388	166	941	1298	2177	2783	27244
NO.	7	8	8	8	8	8	8	8	8	8	8	8	7
DISTR OF MEAN	11.0%	11.7%	15.7%	14.0%	11.7%	7.4%	1.4%	.6%	3.5%	4.8%	8.0%	10.2%	100%

SABINE RIVER BASIN

08020500 Sabine River near Longview, Texas

LOCATION: Lat 32°28'00", long 94°46'50", Gregg County, at the International-Great Northern Railroad Co. bridge, and 3 mi (4.8 km) southwest of Longview.

DRAINAGE AREA: 3,013 mi² (7,803.7 km²).

PERIOD OF RECORD: January 1904 to December 1906, October 1923 to December 1932.

GAGE: Staff gage. Datum of gage is 228.67 ft (69.7 m) above mean sea level.

AVERAGE DISCHARGE: 13 years (1904-06, 1923-32), 1,349,757 ac-ft/yr (1,664.2 hm³/yr).

EXTREMES: Period of record (1904-06, 1923-32): Maximum discharge, 22,300 ft³/s (631.5 m³/s) December 26, 1928; maximum gage height, 31.9 ft (9.7 m) May 22, 1930; minimum discharge, 14 ft³/s (0.4 m³/s) August 29-31, 1925 (gage height, 1.1 ft or 0.3 m).

REMARKS: Records fair. There are several small diversions above the station. There is some regulation of the low flow by pumping upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1904	28530	35260	48390	227000	105000	95200	34190	10210	8628	2841	4528	12240	612017
1905	23670	69480	192700	327900	1023000	266000	601200	118900	11600	28350	81900	392800	3137500
1906	278000	244000	156000	263000	159000	88700	34700	45900	28600	51500	15200	269000	1633600
1907	-	-	-	-	-	-	-	-	-	-	-	-	-
1908	-	-	-	-	-	-	-	-	-	-	-	-	-
1909	-	-	-	-	-	-	-	-	-	-	-	-	-
1910	-	-	-	-	-	-	-	-	-	-	-	-	-
1911	-	-	-	-	-	-	-	-	-	-	-	-	-
1912	-	-	-	-	-	-	-	-	-	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	-	-	-	-
1915	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	-	-	-	-
1919	-	-	-	-	-	-	-	-	-	-	-	-	-
1920	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	-	-	-	-	-	-	-	-	-	10300	6390	250000	-
1924	180000	132000	275000	102000	95400	71800	2910	1880	14000	3090	7590	10400	896070
1925	22100	14700	15800	22300	112000	9410	2020	1720	4710	19800	109000	21700	355260
1926	124000	82000	204000	212000	340000	60500	216000	60400	12300	14900	23300	119000	1468400
1927	232000	175000	400000	498000	131000	60100	83600	21300	5060	106000	15300	33900	1761260
1928	34100	56800	126000	161000	92800	88100	48900	19200	1840	9040	60700	349000	1047480
1929	354000	209000	221000	117000	364000	318000	21600	2480	21400	3520	27000	39800	1698800
1930	70100	208000	113000	40200	627000	114000	6210	1680	1640	25900	23600	131000	1362330
1931	40400	74400	178000	78600	66400	14700	6270	10500	9460	4460	8210	141000	632400
1932	607000	404000	291000	40900	75600	14600	31400	3040	7680	4910	4050	31300	1515480
MAX	607000	404000	400000	498000	1023000	318000	601200	118900	28600	106000	109000	392800	3137500
MIN	22100	14700	15800	22300	66400	9410	2020	1680	1640	2841	4050	10400	355260
MEAN	166158	142053	185074	174158	265933	100093	90750	24768	10577	21893	29751	138549	1349757
NO.	12	12	12	12	12	12	12	12	12	13	13	13	12
DISTR OF MEAN	12.3%	10.5%	13.7%	12.9%	19.7%	7.4%	6.7%	1.8%	.8%	1.6%	2.2%	10.3%	100%

SABINE RIVER BASIN
08020700 Rabbit Creek at Kilgore, Texas

LOCATION: Lat 32°23'17", long 94°54'11", Gregg County, at the bridge on State Highway 31 at Kilgore, 0.4 mi (0.6 km) upstream from Big Caney Creek, 4.4 mi (7.1 km) upstream from Peavine Creek, and 14 mi (23 km) upstream from the mouth.

DRAINAGE AREA: 75.8 mi² (196.3 km²).

PERIOD OF RECORD: October 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 299.80 ft (91.38 m) above mean sea level.

AVERAGE DISCHARGE: 13 years, 39,132 ac-ft/yr (48.2 hm³/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 15,200 ft³/s (430 m³/s) Apr. 24, 1966 (gage height, 16.40 ft or 4.999 m); no flow at times in 1964, 1967-68, and 1972.

Maximum stage since at least 1943, 19.6 ft (5.97 m) July 11, 1945, from information by a local resident and the State Highway Department.

REMARKS: Records good. There are several small diversions for oilfield operations upstream from the station. The low flow is partly sustained by effluents from oilfield operations.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1963	-	-	-	-	-	-	-	-	-	0	184	768	-
1964	840	1310	2650	1390	1200	231	11.0	2.00	222	50.0	336	6.18	8860
1965	2720	7350	5000	2410	9450	2220	299	90.0	456	85.0	293	6.66	31039
1966	1220	1840	1310	35830	9060	590	433	652	562	266	562	1040	53365
1967	1020	958	804	3550	1920	1610	286	25.0	37.0	12.0	75.0	7.67	11064
1968	4130	3120	3110	6360	13270	4510	1090	269	1740	831	2850	5840	47120
1969	2250	5040	13300	13250	6670	804	95.0	35.0	339	627	4450	5000	51860
1970	3480	4730	6520	3820	1310	690	2460	146	878	9270	2010	2620	37934
1971	1560	2850	1820	1060	1040	150	190	161	488	191	522	2420	12452
1972	5650	1690	2080	883	429	2100	149	211	286	5550	3020	5380	27428
1973	4720	5310	10820	18330	2440	14740	1990	783	4630	5920	5750	9860	85293
1974	12880	6990	6050	3520	3790	2980	379	366	6090	2960	9370	5650	61025
1975	6270	16080	4610	4570	8470	3860	1460	462	91.0	401	1050	1450	48774
MAX	12880	16080	13300	35830	13270	14740	2460	783	6090	9270	9370	9860	85293
MIN	840	958	804	883	429	150	11.0	2.00	37.0	0	75.0	6.18	8860
MEAN	3895	4772	4840	7914	4921	2874	737	267	1318	2013	2344	3237	39132
NO.	12	12	12	12	12	12	12	12	12	13	13	13	12
DISTR OF MEAN	10.0%	12.2%	12.4%	20.2%	12.6%	7.3%	1.9%	.7%	3.4%	5.1%	6.0%	8.3%	100%

SABINE RIVER BASIN
08021000 Cherokee Bayou near Elderville, Texas

LOCATION: Lat 32°20'30", long 94°42'01", Rusk County, at the bridge on a county highway, 3.8 mi (6.1 km) southeast of Elderville, 4.5 mi (7.2 km) upstream from the bridge on State Highway 149, and 19.3 mi (31.1 km) upstream from the mouth.

DRAINAGE AREA: 116 mi² (300.4 km²).

PERIOD OF RECORD: September 1939 to December 1948.

GAGE: Water-stage recorder. Datum of gage is 266.8 ft (81.3 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 10 years, 116,803 ac-ft/yr (144.0 hm³/yr).

EXTREMES: Period of record (1939-48): Maximum discharge, 10,200 ft³/s (288.9 m³/s) November 23, 1940 (gage height, 12.81 ft or 3.9 m); no flow at times.

Maximum stage known, about 14.0 ft (4.3 m) in September 1913, from information by local residents.

REMARKS: Records fair. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1939	-	-	-	-	-	-	-	-	0	0	141	2790	-
1940	1810	3910	2490	2480	2570	3400	1270	7330	696	828	39610	32590	98984
1941	23960	13880	15520	8290	12460	7220	2340	2380	4400	10180	19120	15250	135000
1942	11580	11130	12130	17760	17270	14550	2070	19090	7090	2150	6640	6980	128440
1943	8700	5520	6280	7740	2850	2650	141	17.0	7.70	300	539	2200	36945
1944	11500	27570	23440	13460	52280	3300	250	129	1550	533	5220	21210	160442
1945	27480	14150	32070	23040	4820	13030	23200	1100	381	14590	8920	16100	178881
1946	27210	24630	15460	7500	29520	23740	2260	2990	2100	2020	19380	10490	167300
1947	19120	10540	21000	16280	18340	3820	865	356	1040	743	3010	7680	102794
1948	12220	18210	12730	6150	9300	1360	529	14.0	36.0	186	2860	3200	66795
MAX	27480	27570	32070	23040	52280	23740	23200	19090	7090	14590	39610	32590	178881
MIN	1810	3910	2490	2480	2570	1360	141	14.0	0	0	141	2200	36945
MEAN	15953	14393	15680	11411	16601	8119	3658	3712	1730	3153	10544	11849	116803
NO.	9	9	9	9	9	9	9	9	10	10	10	10	9
DISTR													
OF MEAN	13.7%	12.3%	13.4%	9.8%	14.2%	7.0%	3.1%	3.2%	1.5%	2.7%	9.0%	10.1%	100%

SABINE RIVER BASIN

08021500 Lake Cherokee near Longview, Texas

LOCATION: Lat 32°22'36", long 94°38'30", Gregg-Rusk County line, on the left wingwall of the intake structure of the electric generating plant of the Southwestern Electric Power Co., 2.3 mi (3.7 km) upstream from the dam on Cherokee Bayou, 10 mi (16 km) upstream from the Sabine River, and 10.3 mi (16.6 km) southeast of Longview.

DRAINAGE AREA: 158 mi² (409 km²).

PERIOD OF RECORD: April 1951 to December 1975.

GAGE: Nonrecording gage. Datum of gage is at mean sea level.

EXTREMES: Period of record (1951-75): Maximum contents, 71,170 ac-ft (87.8 hm³) May 3, 1959 (elevation, 285.5 ft or 87.02 m); minimum contents, 34,620 ac-ft (42.7 hm³) Oct. 16-18, 31, 1956, Aug. 9, 18-21, and Aug. 31 to Sept. 8, 11-18, 1958 (elevation, 276.6 ft or 84.31 m).

REMARKS: The lake is formed by a rolled earthfill dam 4,000 ft (1,220 m) long, with a capacity of 46,700 ac-ft (57.6 hm³). An uncontrolled concrete spillway 838 ft (252 m) long is located at the left end of the dam. An emergency spillway, 160-foot (49-m) wide, is cut in natural ground at the right end of the dam. Storage began in October 1948 and the dam was completed on Nov. 19, 1948. The dam was built by the Cherokee Water Company for recreational purposes and to supply cooling water for the generating plant of the Southwestern Electric Power Co., as well as for municipal use by the City of Longview.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1951	-	-	-	47100	46700	46700	45150	43270	43640	43270	44390	46700
1952	47480	47100	47100	46700	47100	45150	44010	41430	38950	37570	38950	42900
1953	46700	47480	46700	48670	46700	45540	46700	46320	45920	44390	45920	47100
1954	47480	47100	47100	47480	47880	45150	42160	40000	37230	39300	43640	47100
1955	47480	47880	47100	47100	47100	45920	46700	46700	47480	45920	45150	46700
1956	47100	46700	47100	46700	46320	44390	41430	38600	35580	34620	35260	35580
1957	37570	41430	47100	49880	47100	46700	45540	43640	42900	47480	47880	47880
1958	47480	40710	36230	40710	35900	35900	35260	34620	41430	42900	45540	46700
1959	46700	47100	46700	46700	46700	46700	46700	45920	46320	46320	46700	47880
1960	47880	48270	47480	47480	46700	47100	46700	44770	47480	46700	47480	47880
1961	47480	47880	47480	46700	46700	47480	46700	46700	46700	46700	47480	47100
1962	47880	47880	47100	48270	47100	46700	46320	44010	44390	46320	47480	47480
1963	47100	47480	46700	46700	46320	45540	44390	42160	42530	40710	40710	42900
1964	45150	46700	46700	46700	45920	44390	40000	40000	38600	37230	37230	38600
1965	42530	47880	49470	47100	48270	47480	44010	41430	41790	40000	40000	42160
1966	44770	47100	46700	50290	47100	44390	42530	42530	42530	41430	40710	42900
1967	44390	45920	46700	46700	48270	44770	43640	40710	39650	37230	36560	39300
1968	47480	47100	47100	47480	47100	47480	46700	43640	46700	45920	48670	47480
1969	47480	47480	47480	47880	47100	45150	41430	38250	38250	37910	45150	48270
1970	47100	48270	47100	47480	46700	45920	46700	43640	43640	47880	46320	47100
1971	46700	47480	46700	46700	45920	42900	40000	40000	38600	37910	37230	42900
1972	48270	47100	47100	47100	45540	46700	46700	42160	40710	46700	47480	47480
1973	48270	47480	47480	47880	46700	47100	48270	45540	46700	47880	48670	46700
1974	47880	47480	47480	47480	46700	45920	42900	42900	47480	46700	47880	47880
1975	47480	47480	47480	49470	47880	47100	45540	45150	43640	43270	45150	47100
MAX	48270	48270	49470	50290	48270	47480	48270	46700	47480	47880	48670	48270
MIN	37570	40710	36230	40710	35900	35900	35260	34620	35580	34620	35260	35580
MEAN	46493	46853	46724	47298	46461	45531	44247	42564	42754	42890	43905	45271
NO.	24	24	24	25	25	25	25	25	25	25	25	25
DISTR OF MEAN	8.6%	8.7%	8.6%	8.7%	8.6%	8.4%	8.2%	7.9%	7.9%	7.9%	8.1%	8.4%

SABINE RIVER BASIN

08022000 Sabine River near Tatum, Texas

LOCATION: Lat 32°22'11", long 94°27'28", Harrison-Panola County line, at the bridge on State Highway 43, 5.1 mi (8.2 km) northeast of Tatum, 5.2 mi (8.4 km) upstream from Potters Creek, and 5.6 mi (9.0 km) downstream from Cherokee Bayou.

DRAINAGE AREA: 3,493 mi² (9,047 km²).

PERIOD OF RECORD: October 1938 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 204.18 ft (62.234 m) above mean sea level. Prior to Sept. 21, 1945, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 38 years, 1,827,112 ac-ft/yr (2,252.8 hm³/yr).

EXTREMES: Period of record (1938-75): Maximum discharge, 123,000 ft³/s (3,480 m³/s) Apr. 4, 1945 (gage height, 33.80 ft or 10.302 m, from a graph based on gage readings); minimum, 2.4 ft³/s (0.068 m³/s) Aug. 11, 12, 1964.

Maximum stage since at least 1884, that of Apr. 4, 1945.

REMARKS: Records fair. The flow is partly regulated since 1960 by Lake Tawakoni (station 08017400) located 175 mi (282 km) upstream and by six small reservoirs having a combined capacity of 1,022,000 ac-ft (1,260.1 hm³). There are several diversions above the station and below Lake Tawakoni for oilfield operation, municipal, and industrial uses.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1938	-	-	-	-	-	-	-	-	-	1440	9340	15130	-
1939	71420	141100	237000	129800	36790	18750	9270	1460	797	783	4240	17460	668870
1940	16530	42520	38800	149800	85400	170800	114900	25680	44320	7770	221600	509100	1427220
1941	402400	177200	356800	174300	356300	370700	226200	44570	42080	56090	106600	170400	2483640
1942	83980	116100	128600	675400	681800	289400	28750	132400	76350	26370	48260	67770	2355380
1943	186700	53200	76540	158100	94650	810500	18530	4600	4160	58280	14020	45440	1518720
1944	180500	290200	431200	306600	1037000	282700	16930	5640	18370	7390	34340	210400	2821270
1945	463600	200900	996500	1697000	111800	511900	376100	31210	12600	187300	95010	115300	4799220
1946	447400	521700	338400	230000	376000	928900	43460	21020	35770	27660	706500	275600	3952410
1947	251000	135000	229600	302000	214100	58090	36200	7120	36800	12020	66810	375000	1723740
1948	311800	349300	374900	124600	406600	43980	22830	11590	5210	4750	17470	21170	1694200
1949	92300	262000	334600	178600	181900	77470	106500	62400	26420	140000	189100	55320	1706610
1950	411100	813500	235600	115600	558600	203900	47490	102300	60200	19630	23720	23390	2615230
1951	61340	154200	171700	60220	73700	135300	27560	5350	7770	5950	15610	27960	746660
1952	56010	111800	121600	234400	330900	204500	9730	3100	1270	1470	13450	133400	1221630
1953	100300	56010	184700	118700	921300	88950	82070	20280	31450	5740	22860	108900	1741260
1954	154900	117900	51960	64680	162000	34000	2260	1030	639	15530	138800	38820	782519
1955	63390	147300	148400	236900	58750	18970	15200	19600	32710	8000	4910	12600	766730
1956	22720	112200	31140	17170	157000	5080	1870	1040	856	1150	10540	5310	366076
1957	13690	64840	89160	500700	1377000	762300	19080	12290	16320	200200	490300	156600	3702480
1958	240200	163200	194200	200300	1235000	81140	85530	12260	47620	40580	33060	46690	2379780
1959	36450	139800	182100	219400	342300	66030	44410	49950	17520	140000	57040	258100	1553100
1960	594800	267100	270700	50610	58040	39520	60740	15160	22460	37220	56670	60540	2078620
1961	373100	290400	313000	234400	43680	101400	133600	22710	35540	20590	83890	241700	1894010
1962	175700	161300	203800	128000	180200	29980	27050	16260	36090	25790	33920	83880	1101970
1963	68380	37390	55820	44990	216700	23770	9680	6360	4880	2610	4890	12230	487700
1964	14680	25780	51140	50180	45130	8110	1970	3390	5750	6700	5570	17560	235960
1965	38930	166400	152300	68220	252600	379300	9790	2620	6740	5920	6040	8870	1097730
1966	19510	75720	34900	379700	1292000	60030	8580	10630	34670	15200	13600	19360	1963900
1967	36630	26810	27330	81600	118600	213800	37690	3320	6740	26660	201400	131300	911880
1968	303000	231100	323200	421500	632000	304900	65110	10830	44720	17010	48540	195000	2596910
1969	71380	244900	534700	598800	567200	178000	6490	2260	3950	4350	55720	76350	2344100
1970	146000	124900	504200	225800	206900	81060	22040	3180	10570	96750	101000	39870	1562270
1971	40380	63580	59840	21150	29300	4610	11280	37890	8420	43600	123200	579300	1022550
1972	2320	3480	2630	8710	2020	30200	107500	22700	45560	33520	117900	141600	518140
1973	140200	207200	375200	598300	579100	570600	64050	21630	93390	265900	398800	464400	3778770
1974	423800	350100	151600	119200	306300	332400	29960	13690	204400	117100	489200	606700	3144450
1975	233300	662400	242200	247100	369100	236100	56610	17850	8940	8130	14630	23370	2119730
MAX	594800	813500	996500	1697000	1377000	928900	376100	132400	204400	265900	706500	606700	4799220
MIN	2320	3480	2630	8710	2020	4610	1870	1030	639	783	4240	5310	235960
MEAN	171455	192122	223148	247906	370210	209652	53703	21226	29515	44609	107336	156230	1827112
NO.	37	37	37	37	37	37	37	37	37	38	38	38	37
DISTR													
OF MEAN	9.4%	10.5%	12.2%	13.6%	20.3%	11.5%	2.9%	1.2%	1.6%	2.4%	5.9%	8.6%	100%

SABINE RIVER BASIN

08022060 Martin Lake near Tatum, Texas

LOCATION: Lat 32°16'30", long 94°33'06", Rusk County, near the left end of Martin Dam, and 3.5 mi (3.6 km) southwest of Tatum.

DRAINAGE AREA: 130 mi² (337 km²).

PERIOD OF RECORD: April 1974 to December 1975.

GAGE: Nonrecording gage. Datum of gage is at mean sea level.

EXTREMES: Period of record (1974-75): Maximum contents, 75,400 ac-ft (93.0 hm³) July 12, 1975 (elevation, 305.57 ft or 93.138 m, from graph); minimum contents since the first appreciable storage, 70,600 ac-ft (87.0 hm³) May 5, 1975 (elevation, 304.58 ft or 92.836 m).

REMARKS: The lake is formed by a rolled earthfill dam 8,500 ft (2,591 m) long, including a 1,000-foot (305-m) uncontrolled emergency spillway. Deliberate impoundment began in April 1974. The capacity of the lake is 77,500 ac-ft (95.6 hm³). The uncontrolled emergency spillway is an excavated channel cut through natural ground and located at the left end of the dam. The controlled spillway is a concrete ogee design with four 14- x 40-foot wide (4- x 12-m) tainter gates located near the left end of the dam. The low-flow outlet works consist of a 3- x 5-foot (1- x 2-m) conduit with a sluice gate located in one of the gate piers. In addition, there is an 8-inch (203-millimeter) pipe with a sluice gate. The dam is owned by the Dallas Power and Light Company, Texas Electric Service Company, Texas Power and Light Company, and the Texas Utilities Service, Inc.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1974	-	-	-	2090	5220	5870	5360	5960	12500	16700	28600	37400
1975	47600	57700	65600	73600	73600	73600	74800	73600	71800	72100	73500	72700
MAX	47600	57700	65600	73600	73600	73600	74800	73600	71800	72100	73500	72700
MIN	47600	57700	65600	2090	5220	5870	5360	5960	12500	16700	28600	37400
MEAN	47600	57700	65600	37845	39410	39735	40080	39780	42150	44400	51050	55050
NO.	1	1	1	2	2	2	2	2	2	2	2	2
DISTR OF MEAN	8.5%	10.3%	11.7%	6.8%	7.0%	7.1%	7.2%	7.1%	7.5%	7.9%	9.1%	9.8%

SABINE RIVER BASIN
08022070 Martin Creek near Tatum, Texas

LOCATION: Lat 32°17'47", long 94°29'36", Panola County, at the bridge on State Highway 149, 100 ft (30 m) upstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 1.7 mi (2.7 km) upstream from Hogan Creek, 2.0 mi (3.2 km) southeast of Tatum, and 5.0 mi (8.0 km) downstream from Martin Lake.

DRAINAGE AREA: 148 mi² (383 km²).

PERIOD OF RECORD: May 1974 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 240.26 ft (73.231 m) above mean sea level, datum of 1929.

EXTREMES: Period of record (1974-75): Maximum discharge, 1,700 ft³/s (48.1 m³/s) Feb. 3, 1975 (gage height, 13.72 ft or 4.182 m); minimum, 0.30 ft³/s (0.008 m³/s) July 20-24, 1974.

Maximum stage since at least 1948, 18.15 ft (5.532 m) April 1969.

REMARKS: Records good. The flow is largely regulated by Martin Lake located 5 mi (8 km) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	-	-	-	-	516	534	75.0	274	1430	1290	2820	2040	-
1975	5020	18610	1580	1840	19320	6320	434	310	194	1390	784	5550	61352
MAX	5020	18610	1580	1840	19320	6320	434	310	1430	1390	2820	5550	61352
MIN	5020	18610	1580	1840	516	534	75.0	274	194	1290	784	2040	61352
MEAN	5020	18610	1580	1840	9918	3427	255	292	612	1340	1802	3795	48691
NO.	1	1	1	1	2	2	2	2	2	2	2	2	1
DISTR OF MEAN	10.3%	38.2%	3.2%	3.8%	20.4%	7.0%	.5%	.6%	1.7%	2.8%	3.7%	7.8%	100%

SABINE RIVER BASIN

08022200 Murvaul Lake near Gary, Texas

LOCATION: Lat 32°02'04", long 94°25'15", Panola County, at the outlet structure of Murvaul Lake Dam on Murvaul Bayou, 3.0 mi (4.8 km) west of Gary, and 9.0 mi (14.5 km) southwest of Carthage.

DRAINAGE AREA: 115 mi² (298 km²).

PERIOD OF RECORD: December 1957 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES: Period of record (1957-75): Maximum contents, 58,050 ac-ft (7.16 hm³) Mar. 30, 1965 (elevation, 288.24 ft or 81.76 m); minimum contents since the lake was first filled in 1958, 26,670 ac-ft (32.9 hm³) Sept. 19, 1958 (elevation, 259.9 ft or 79.22 m).

REMARKS: The lake is formed by a rolled earthfill dam 8,300 ft (2,530 m) long, with a capacity of 45,840 ac-ft (56.5 hm³). The spillway is an uncontrolled concrete flat-crested weir section 270 ft (82 m) long at the right end of the dam, designed to discharge 26,700 ft³/s (756 m³/s) under a 10-foot (3-m) head. Storage began in November 1957 and the dam was completed in June 1958. The outlet works consist of an outlet tower and a 36-inch diameter (914-millimeter) pipe through the dam with the flow controlled by a valve in the control tower. The pipe terminates in a tee at the downstream side of the dam, with one branch discharging below the dam and the other branch connected to a pipeline for municipal water supply. The lake is the property of the Panola County Fresh Water Supply District No. 1.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEPT	OCT	NOV	DEC
1957	-	-	-	-	-	-	-	-	-	-	-	314 90
1958	35650	33200	33550	48660	45440	47040	40030	31150	41170	33200	27600	27900
1959	28220	37450	38180	44260	44600	44260	44260	42700	41930	41740	43520	46480
1960	46360	47440	46920	47040	42970	42780	42040	40600	46000	46640	46720	49480
1961	47720	47320	50630	44340	41660	46880	46080	43640	44840	42970	45520	46240
1962	48210	47200	45720	48330	49600	46080	43830	40110	34320	35230	34880	35540
1963	35940	38140	37810	38250	36190	34740	32820	30890	30190	28760	28920	29120
1964	31150	32850	40900	43560	43280	41660	39030	37670	36660	35100	34390	34780
1965	35500	41320	54540	45120	48170	46280	43790	42660	43010	40750	39620	43990
1966	47760	44420	44180	52360	46160	43010	39330	38740	36300	33580	32270	32510
1967	32340	32580	32340	32170	33380	33270	34840	33440	34360	33130	32580	33940
1968	45840	47080	47240	47720	47240	47920	46600	46040	46840	46040	49070	47560
1969	47360	47920	47240	47600	46440	44220	41440	39620	38550	37960	45480	48450
1970	46360	48500	46840	47160	45760	44260	43050	40900	40560	42580	43480	44300
1971	44180	47040	46040	46320	46160	44960	43560	43480	42580	41930	42470	46640
1972	47600	46600	46560	47400	45680	46000	47200	45920	45440	48580	47320	48660
1973	48330	47200	47840	48000	45880	46320	49150	46120	47360	47240	48090	47680
1974	49440	47840	47240	46920	47200	45080	43090	42470	46560	49280	47800	47040
1975	47640	46960	47680	48860	46760	47360	45480	45360	44030	44420	46240	47720
MAX	49440	48500	54540	52360	49600	47920	49150	46120	47360	49280	49070	49480
MIN	28220	32580	32340	32170	33380	33270	32820	30890	30190	28760	27600	27900
MEAN	42533	43392	44525	45782	44587	44007	42534	40639	41150	40507	40887	41554
NO.	18	18	18	18	18	18	18	18	18	18	18	19
DISTR												
OF MEAN	8.3%	8.5%	8.7%	8.9%	8.7%	8.6%	8.3%	7.9%	8.0%	7.9%	8.0%	8.1%

SABINE RIVER BASIN
08022300 Murvaul Bayou near Gary, Texas

LOCATION: Lat 32°02'54", long 94°22'31", Panola County, at the bridge on Farm Road 10, 0.3 mi (0.5 km) downstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 1.0 mi (1.6 km) downstream from Indian Creek, 1.5 mi (2.4 km) north of Gary, and 3 mi (5 km) downstream from Murvaul Lake.

DRAINAGE AREA: 134 mi² (347 km²).

PERIOD OF RECORD: April 1958 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 217.82 ft (66.392 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 18 years, 62,480 ac-ft/yr (77.0 hm³/yr).

EXTREMES: Period of record (1958-75): Maximum discharge, 3,590 ft³/s (102 m³/s) Mar. 18, 1968 (gage height, 11.57 ft or 3.527 m); no flow at times in 1967-75.

Maximum stage since at least 1928, 14.5 ft (4.42 m) in July 1933, from information by a local resident.

REMARKS: Records good. The discharge is largely regulated by Murvaul Lake (station 08022200).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1958	-	-	-	2090	14520	13830	4200	6170	6770	5680	5560	304	-
1959	599	2050	491	885	4400	5260	941	651	562	580	785	11960	29164
1960	11500	13690	17840	4560	3390	653	673	536	1630	1650	6000	33720	95842
1961	34870	14510	23360	8400	1820	2560	5520	920	2160	1610	2410	28170	126310
1962	16700	6590	7370	5790	9320	5510	1410	1940	4670	1520	1630	1810	64260
1963	1560	1520	1710	1740	1090	402	369	371	380	283	257	293	9975
1964	484	484	1620	697	365	357	328	330	328	328	370	320	6011
1965	370	1040	9790	9890	8210	2110	179	181	821	938	950	1290	35769
1966	1840	7150	1020	21630	16830	1790	1920	2050	1890	1900	618	576	59214
1967	362	13.0	15.0	12.0	94.0	190	50.0	5.30	378	29.0	0	30.0	1178
1968	2890	380	2980	29570	22540	3350	3090	1360	7810	703	3060	23720	101453
1969	3560	16580	37590	33780	18280	522	75.0	0	54.0	0	648	1420	112509
1970	6360	7320	10880	4030	819	61.0	44.0	15.0	13.0	155	210	83.0	29990
1971	56.0	545	816	358	5220	19.0	20	18.0	129	25.0	78.0	1450	8714
1972	12670	3130	2210	816	3910	77.0	637	350	52.0	1450	13770	13150	52222
1973	25560	9040	18500	22480	2360	10250	7660	3040	7960	9900	5890	25110	147750
1974	36010	17430	4650	2960	2520	841	30	55.0	1900	3550	16390	9440	95746
1975	16420	20450	7570	7190	7280	2520	1050	97.0	14.0	36.0	189	552	63368
MAX	36010	20450	37590	33780	22540	13830	7660	6170	7960	9900	16390	33720	147750
MIN	56.0	13.0	15.0	12.0	94.0	19.0	20	0	13.0	0	0	30.0	1178
MEAN	10107	7172	8730	8715	6632	2795	1564	1005	2085	1685	3268	8522	62480
NO.	17	17	17	18	18	18	18	18	18	18	18	18	17
DISTR OF MEAN	16.2%	11.5%	14.0%	13.9%	10.9%	4.5%	2.5%	1.6%	3.3%	2.7%	5.2%	13.6%	100%

SABINE RIVER BASIN

08022400 Socagee Creek near Carthage, Texas

LOCATION: Lat 32°13'54", long 94°05'31", Panola County, at the bridge on Farm Road 123, 1.4 mi (2.3 km) upstream from Salt Creek, and 15 mi (24.1 km) east of Carthage.

DRAINAGE AREA: 82.6 mi² (214 km²).

PERIOD OF RECORD: March 1962 to September 1973.

GAGE: Water-stage recorder. Datum of gage is 230.00 ft (70.10 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 12 years, 30,013 ac-ft/yr (37.0 hm³/yr).

EXTREMES: Period of record (1962-73): Maximum discharge, 6,540 ft³/s (185 m³/s) July 8, 1973, gage height, 11.66 ft (3.55 m); no flow for many days.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1962	-	-	4600	5530	7090	1090	89.0	0	3.80	54.0	97.0	603	-
1963	556	843	1140	1090	274	46.0	163	7.70	0	0	1.20	108	4229
1964	543	712	3980	6290	340	11.0	0	0	0	9.3	0	0	11885
1965	241	2930	4290	4060	2070	342	4.60	1.20	25.0	0	0	1050	15014
1966	862	2440	430	13530	7480	10.0	0	0	0	0	0	0	24752
1967	.70	2.20	2.70	70.0	1730	7650	80.0	0	0	0	0	0	9536
1968	7100	841	1650	14950	14990	171	120	8.80	3820	846	1930	12580	59007
1969	1570	14360	23480	25410	8360	44.0	0	0	0	0	2420	593	76237
1970	2630	6090	8940	1850	984	182	652	6.80	0	876	502	2620	25333
1971	363	3110	1370	278	3620	14.0	234	698	3.70	0	2.00	608	10301
1972	6510	1470	1560	77.0	1070	151	1960	.618	3.00	467	3720	6350	23956
1973	15800	4450	12600	16270	1070	5220	12800	972	1470	-	-	-	-
MAX	15800	14360	23480	25410	14990	7650	12800	972	3820	876	3720	12580	76237
MIN	.70	2.20	2.70	70.0	274	10.0	0	0	0	0	0	0	4229
MEAN	3289	3386	5354	7450	4090	1244	1342	193	444	205	788	2228	30013
NO.	11	11	12	12	12	12	12	12	12	11	11	11	10
DISTR													
OF MEAN	11.0%	11.3%	17.8%	24.8%	13.6%	4.1%	4.5%	.6%	1.5%	.7%	2.6%	7.4%	100%

SABINE RIVER BASIN

08022500 Sabine River at Logansport, Louisiana

LOCATION: Lat 31°58'20", long 94°00'22", Shelby County, Texas-DeSoto Parish, Louisiana State line at Logansport, Louisiana, 4,700 ft (1,432.6 m) upstream from the bridge on U.S. Highway 84, 4,900 ft (1,493.5 m) upstream from the Texas and New Orleans Railroad Co. bridge, 4.0 mi (6.4 km) upstream from Bayou Castor, and 105 mi (168.9 km) upstream from Toledo Bend Dam.

DRAINAGE AREA: 4,839 mi² (12,533 km²).

PERIOD OF RECORD: July 1903 to February 1968.

GAGE: Water-stage recorder. Datum of gage is 147.72 ft (45.0 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 66 years, 2,327,010 ac-ft/yr (2,869.2 hm³/yr).

EXTREMES: Period of record (1903-68): Maximum discharge, 92,000 ft³/s (2,605.4 m³/s) April 8, 1945 (gage height, 44.07 ft or 13.4 m at site 4,700 ft or 1,432.6 m downstream); minimum observed during periods of daily records, 16 ft³/s (0.4 m³/s) September 26-28 and October 3-4, 1939.

Maximum stage since at least 1884, that of April 8, 1945.

REMARKS: Records good. Eight major reservoirs, with a combined capacity of 1,068,000 ac-ft (1,316.8 hm³), largely regulate the flow. There are numerous diversions above the station for oilfield operations, municipal, and industrial use.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1903	-	-	-	-	-	-	221000	87900	14400	71900	33200	28600	-
1904	28900	51400	60800	272000	127000	115000	54400	21200	11700	6400	6370	123700	878870
1905	170000	349000	453400	574000	1189000	629900	816200	254500	26200	37500	186000	393900	5079600
1906	778100	294000	266000	474700	221000	220000	69500	1230000	56800	83000	25500	245000	2856600
1907	351000	84400	197000	118000	499000	443000	57300	9900	5090	7810	243000	433000	2448500
1908	288000	434000	246000	201000	885900	317000	28000	38200	45400	32400	20100	50600	2586600
1909	50800	150000	132000	66600	31200	26800	6820	3910	2680	6460	5120	65200	547590
1910	62700	90000	140000	202000	137000	30000	30400	4510	2590	2080	2110	6000	709390
1911	19200	19300	30900	199000	124000	7860	62100	11500	5000	4970	4970	87900	576700
1912	113000	63800	416900	543800	178000	31100	27500	314000	40500	6000	5620	13800	1754020
1913	50700	96600	416000	223000	65800	26100	231000	11900	127000	274000	39700	568100	2129900
1914	222000	271000	247000	477000	1074000	194000	14800	39500	29900	14600	17900	188000	2789700
1915	382000	472100	469000	249900	981000	75000	133000	384300	275000	51100	115000	102000	3689400
1916	222000	450100	69500	224000	447000	59000	43200	16800	12300	8120	23200	43000	1618220
1917	73200	134000	125000	79700	53400	66600	71900	26300	37500	18900	8510	14100	709110
1918	26100	21000	21900	142000	279000	51100	10800	11300	20100	12100	68400	196000	861800
1919	402000	277000	259000	221000	110000	136000	282000	223000	137000	656600	999100	438000	4140700
1920	637500	350000	387000	297000	239000	209000	69500	123000	95200	49200	71400	153700	2681500
1921	385800	225300	322800	648500	532700	122800	225800	20210	15000	7620	9180	33540	2549250
1922	76870	140000	572000	1057000	758600	154800	77590	26580	11440	5940	40950	33170	2954940
1923	68740	343200	380800	445700	194100	153200	29180	5330	52450	31000	29400	345000	2078100
1924	540000	317000	493000	267000	248000	273000	9530	7490	10300	7630	5930	13300	2192180
1925	50500	29000	33300	29600	112000	13000	4820	2910	5950	23700	308000	45100	657880
1926	196000	120000	453000	627000	464000	100000	180000	100000	10400	16200	30400	182000	2479000
1927	290000	295000	545000	684000	367000	107000	93200	77300	7010	110000	21100	45400	2642010
1928	54500	87400	275000	259000	196000	137000	95900	43000	4470	11700	86300	287000	1537270
1929	579000	326000	334000	169000	307000	444000	35200	4920	20100	6400	32700	61200	2319520
1930	374000	353000	213000	55800	633000	477000	13500	6270	5350	30700	28000	188000	2377620
1931	184000	134000	310000	127000	239000	45000	22300	11300	9760	2500	17900	464000	1566760
1932	1270000	1120000	707000	184000	111000	21900	30900	6760	8450	5850	6130	44500	3516490
1933	430000	293000	460000	363000	311000	129000	352000	139000	24200	15000	15600	38600	2570400
1934	288000	174000	588000	551000	77500	26800	5710	1800	2060	2450	39420	165600	1922340
1935	177300	379600	185000	127500	1075000	319200	164800	12580	13910	31670	127500	236100	2850160
1936	61840	62330	78790	27690	144600	25060	39290	4180	2360	64170	35880	82630	628820
1937	484100	276100	407800	251500	39820	23830	7520	6350	9960	10850	76560	191600	1785990
1938	624300	729500	388200	667400	371700	36050	21330	33640	4030	2520	24340	28300	2931310
1939	236200	361000	408000	139600	79780	29210	12880	2360	1390	1200	5200	103100	1379920
1940	49190	240200	57490	208600	147700	251500	141500	27830	69480	13730	423800	976900	2607920
1941	774900	305400	571600	264400	533500	494800	411300	45260	60590	108600	306500	273600	4150450
1942	169300	166100	289200	729100	1020000	434700	55860	117400	146800	30630	54420	72840	3286350
1943	252500	79260	95800	184700	95560	743300	94680	8040	4890	60880	20640	68640	1708890
1944	388300	406500	642900	566300	1566000	419200	23290	8120	22300	8630	33920	224200	4309660
1945	899100	335900	1316000	2048000	174000	298800	582300	57540	18340	272500	116500	209200	6328180
1946	754900	867600	721200	335100	533300	1186000	66560	21500	52640	35170	667900	422300	5664170
1947	477000	271300	460400	486500	327100	80990	46380	8710	35770	12380	68670	331500	2606700
1948	421600	580600	583900	201700	419100	157800	26060	11270	5940	5650	21430	33700	2468750
1949	191700	355200	439200	268300	220200	102000	121800	90080	33070	262900	213800	106200	2404450
1950	656500	997100	473700	132600	699600	413700	98470	104700	65860	32420	32140	30420	3737210
1951	94400	237600	236600	120300	74760	114900	41700	6450	11470	5820	15070	51860	1010930
1952	89650	344900	266300	383600	396600	238000	13960	6270	2430	2280	7070	136100	1887160

SABINE RIVER BASIN

08022500 Sabine River at Logansport, Louisiana—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1953	143400	211900	430200	156200	1372000	291100	78070	33570	29510	5960	22030	127400	2901340
1954	170400	165100	72690	87840	302100	50690	5110	2120	1320	8760	154300	64940	1085370
1955	114400	257700	223300	428000	183300	40380	25700	119800	32990	14170	5470	14420	1459630
1956	24900	194100	80910	83250	317400	9590	3430	1920	1520	1620	11460	6390	736490
1957	13410	110700	135100	550300	1815000	843600	43580	16420	13080	239200	626700	352300	4759390
1958	371900	248400	262500	227200	1469000	145200	123700	27770	146200	77580	54200	60240	3213890
1959	49540	211200	256500	290500	411300	127800	49900	62610	20770	132400	66870	250200	1929590
1960	633500	440300	484300	97620	88730	47930	75020	21370	31110	53540	92100	760100	2825620
1961	649900	403400	521000	387200	60530	177600	204200	35140	75450	33470	109800	514400	3172090
1962	325900	304900	311700	189100	286300	61600	36570	22260	42490	30290	32950	98460	1742520
1963	82410	54370	77830	61390	240100	31310	16580	9260	6580	3980	6730	16030	606570
1964	25520	38060	110900	89570	69980	11260	3470	8200	4850	10530	6660	20190	399190
1965	48680	200700	222400	200100	296800	433900	18600	5900	10080	9830	7170	26500	1480660
1966	41520	144600	47790	224800	1831000	95970	13460	15880	35330	18360	14170	19370	2502250
1967	38310	31800	27300	70020	126500	254400	42690	5500	7650	20990	180800	107900	913860
1968	381000	244500	-	-	-	-	-	-	-	-	-	-	-
MAX	1270000	1120000	1316000	2048000	1831000	1186000	816200	384300	275000	656600	999100	976900	6328180
MIN	13410	19300	21900	27690	31200	7860	3430	1800	1320	1200	2110	6000	399190
MEAN	285909	274193	320481	317473	437196	200521	94074	47963	33099	49885	95215	171001	2327010
NO.	65	65	64	64	64	64	65	65	65	65	65	65	64
DISTR													
OF MEAN	12.3%	11.8%	13.8%	13.6%	18.8%	8.6%	4.0%	2.1%	1.4%	2.1%	4.1%	7.3%	100%

SABINE RIVER BASIN

08023200 Tenaha Creek near Shelbyville, Texas

LOCATION: Lat 31°45'56", long 94°05'02", Shelby County, at the bridge on State Highway 87, 0.5 mi (0.8 km) northwest of Shelbyville, 4.2 mi (6.8 km) downstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, and 5.0 mi (8.0 km) upstream from Beauchamp Creek.

DRAINAGE AREA: 97.8 mi² (253 km²).

PERIOD OF RECORD: March 1952 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 205.71 ft (62.700 m) above mean sea level, datum of 1929. Prior to May 9, 1963, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 24 years, 57,019 ac-ft/yr (70.3 hm³/yr).

EXTREMES: Period of record (1952-75): Maximum discharge, 15,200 ft³/s (430 m³/s) Mar. 11, 1953 (gage height, 13.85 ft or 4.221 m); no flow at times.

Maximum stage since at least 1884, 15.0 ft (4.57 m) Nov. 23, 1940, from information by local residents.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	7130	14060	4390	539	428	108	21.0	21.0	533	2690	-
1953	3730	10370	39110	24620	64990	1160	979	1200	106	62.0	246	1350	147923
1954	2420	1540	795	1350	7080	73.0	3.80	3.40	0	21.0	144	292	13722
1955	1240	4890	5040	12030	2880	147	192	1660	29.0	22.0	49.0	204	28383
1956	923	5800	1630	6080	4040	118	32.0	3.60	2.20	0	0	25.0	18654
1957	242	1140	2760	20150	10810	10800	331	118	195	8360	36660	5900	97466
1958	16250	6400	8170	3390	13240	6040	406	11070	32640	2160	2590	1430	103786
1959	1550	7740	4540	17210	1370	1660	1160	784	332	1490	3960	12620	54416
1960	7880	12230	7330	2630	1210	2820	1840	4270	1910	1150	11990	23810	79070
1961	31670	9130	26430	6210	1410	1800	1390	406	5130	672	2930	31490	118668
1962	8490	3350	3570	10790	6920	765	279	141	1470	318	1030	2010	39133
1963	1270	3030	2530	4580	242	217	209	6.70	44.0	15.0	118	234	12496
1964	970	870	5380	6570	1250	754	23.0	39.0	85.0	14.0	51.0	307	16313
1965	593	3630	2750	2670	12040	950	58.0	16.0	665	50.0	116	3350	26888
1966	3730	15370	2020	14030	6830	282	24.0	1540	159	1010	191	984	46170
1967	1000	4540	1620	1580	1720	7360	106	12.0	9.7	0	4.50	161	18113
1968	8820	2770	5980	23980	11660	4370	3550	700	3060	7800	5460	22010	100160
1969	4460	12680	23810	16490	15990	908	84.0	38.0	112	93.0	137	1570	76372
1970	1630	3130	9560	4010	2870	648	111	25.0	6.80	372	308	240	22911
1971	295	564	369	113	1050	22.0	360	612	4.00	17.0	146	3560	7112
1972	7610	2510	1780	617	1540	400	93.0	37.0	152	1610	1100	7210	24659
1973	16460	5810	15180	19730	2720	15190	2940	751	1760	6650	12510	22310	122011
1974	35940	8170	3140	1950	1410	792	145	159	1240	522	11190	12740	77398
1975	11320	21700	7430	4250	17970	5220	1800	400	360	267	1070	1210	72997
MAX	35940	21700	39110	24620	64990	15190	3550	11070	32640	8360	36660	31490	147923
MIN	242	564	369	113	242	22.0	3.80	3.40	0	0	0	25.0	7112
MEAN	7326	6407	7836	9129	8151	2626	689	1004	2062	1362	3856	6571	57019
NO.	23	23	24	24	24	24	24	24	24	24	24	24	23
DISTR OF MEAN	12.8%	11.2%	13.7%	16.0%	14.3%	4.6%	1.2%	1.8%	3.6%	2.4%	6.8%	11.5%	100%

SABINE RIVER BASIN

08024400 Sabine River near Milam, Texas

LOCATION: Lat 31°28'01", long 93°44'41", Sabine County, 104 ft (31.7 m) upstream from the bridge on State Highway 21, 2.8 mi (4.5 km) downstream from Patroon Bayou, 6.5 mi (10.4 km) northeast of Milam, and 7.2 mi (11.6 km) upstream from Palo Gaucho Bayou.

DRAINAGE AREA: 6,508 mi² (16,855.7 km²).

PERIOD OF RECORD: October 1923 to September 1925 (published as "at Sabine Town"), January 1939 to September 1966.

GAGE: Water-stage recorder. Datum of gage is 97.96 ft (29.8 m) above mean sea level, datum of 1929, supplementary adjustment of 1941.

AVERAGE DISCHARGE: 31 years (1923-25, 1939-66), 3,578,963 ac-ft/yr (4,412.9 hm³/yr).

EXTREMES: Period of record (1923-25, 1939-66): Maximum discharge, 83,400 ft³/s (2,361.9 m³/s) April 12, 1945 (gage height, 48.87 ft or 14.9 m); minimum, 25 ft³/s (0.7 m³/s) October 14-19, 1956.

Maximum stage since at least 1884, that of April 12, 1945.

REMARKS: Records good. There are numerous diversions above the station for oilfield operations, municipal, and industrial use.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	131000	176000	897000	-
1924	1020000	613000	949000	481000	536000	773000	19600	11900	13100	14800	9940	21400	4462740
1925	158000	47900	71000	40200	125000	22000	8740	4430	4460	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	-	-
1939	366300	707500	622900	202000	171000	57530	18810	7180	3650	10260	7180	302500	2476810
1940	143900	660500	105100	315400	275200	379500	180100	71380	90290	16270	572300	1668000	4477940
1941	1217000	495600	802200	319100	814200	816000	600800	66820	75950	159600	763700	452000	6582970
1942	295700	283700	485200	697000	1120000	528100	81080	102200	167700	32970	57180	68250	3919080
1943	267400	100800	129900	197000	105200	561200	259800	13110	7340	54350	26630	58120	1780850
1944	474600	474000	847500	759500	2018000	741300	33600	14320	56330	11170	68690	376200	5875210
1945	1321000	540200	1202000	2586000	283900	211000	694700	108900	26840	330400	149300	279900	7734140
1946	1126000	1290000	1041000	555200	727800	1351000	131300	39330	59890	42640	606800	649200	7620160
1947	1019000	400500	672300	661900	383500	96430	55320	11860	36110	14550	74180	357700	3783350
1948	466100	859900	702600	383300	402000	207000	35150	14410	7530	6780	30340	45880	3160990
1949	395900	538700	676600	409200	247200	135400	116400	118200	41560	369000	250200	271800	3570160
1950	1137000	1133000	922400	190800	957400	956800	118100	111400	67880	43340	34960	40630	5713710
1951	130900	283600	350500	222200	118400	111600	58560	9380	15510	8000	16450	90420	1415520
1952	105200	431800	382200	529400	461100	264600	27700	12280	4060	3380	8950	121400	2352070
1953	177000	346100	881500	218400	2288000	574400	87970	57650	34070	8620	20860	149400	4843970
1954	211400	204700	89830	158700	442300	59690	7670	3810	2190	4690	144700	63680	1393360
1955	110300	276800	270600	554300	244600	63260	42280	198700	32160	20040	8020	18270	1839330
1956	29050	267300	106600	199100	359000	17420	7200	3120	2180	1970	12230	7530	1012700
1957	19220	155300	201500	627000	2324000	1039000	105600	22710	14340	228100	813200	572200	6122170
1958	562600	368100	363500	255700	1508000	224800	137500	52680	474000	161200	74860	70690	4253630
1959	58880	295900	319600	463400	436700	154800	55020	76450	23330	141100	95700	345100	2465980
1960	759000	647800	687900	134800	118900	74320	94560	44630	44500	71500	163400	923200	3764510
1961	1225000	669800	866200	673600	80250	217500	245400	52770	226100	42520	132800	100100	5432940
1962	487200	411900	412500	281200	484600	95850	45980	22780	51350	34220	34720	129100	2491400
1963	113300	95460	98540	94870	240400	36280	20680	11940	7600	4790	8320	23810	755990
1964	49710	50890	234100	228500	121600	40140	5690	9560	6260	10600	6890	26910	790850
1965	53730	248300	272600	325400	353000	511400	31080	9660	29920	12570	8880	69830	1926370
1966	97980	504800	92950	170400	1987000	202100	17710	20460	37460	-	-	-	-
MAX	1321000	1290000	1202000	2586000	2324000	1351000	694700	198700	474000	369000	813200	1668000	7734140
MIN	19220	47900	71000	40200	80250	17420	5690	3120	2180	1970	6890	7530	755990
MEAN	453279	446795	495344	431152	657808	350781	111470	43467	55455	68636	150944	313832	3578963
NO.	30	30	30	30	30	30	30	30	30	29	29	29	28
DISTR OF MEAN	12.7%	12.5%	13.8%	12.0%	18.4%	9.8%	3.1%	1.2%	1.5%	1.9%	4.2%	8.8%	100%

SABINE RIVER BASIN

08024500 Palo Gaucho Bayou near Hemphill, Texas

LOCATION: Lat 31°23'10", long 93°50'07", Sabine County, at the bridge on State Highway 87, 0.2 mi (0.3 km) upstream from Boregas Creek, 3.6 mi (5.8 km) north of Hemphill, 4.2 mi (6.8 km) downstream from Sandy Creek, and 13.0 mi (20.9 km) upstream from the Sabine River.

DRAINAGE AREA: 123 mi² (318.6 km²).

PERIOD OF RECORD: April 1952 to September 1965.

GAGE: Wire-weight gage. Datum of gage is 159.88 ft (48.7 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 14 years, 67,283 ac-ft/yr (83.0 hm³/yr).

EXTREMES: Period of record (1952-65): Maximum discharge, 17,000 ft³/s (481.4 m³/s) April 29, 1953 (gage height, 22.5 ft or 6.8 m); no flow at times.

Maximum stage since at least 1907, 26.6 ft (8.1 m) in July 1933, from information by a local resident.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	17840	10430	1960	2770	544	15.0	7.50	734	2030	-
1953	9250	18420	18460	33610	76890	1240	1370	548	129	71.0	605	3200	163793
1954	7940	2930	1800	9070	6310	413	32.0	17.0	0	7.10	95.0	272	28886
1955	1290	6780	2600	13730	5960	913	413	725	79.0	43.0	159	1000	33692
1956	1340	8960	3300	3880	994	62.0	2.00	0	0	0	4.80	92.0	18635
1957	758	3290	7980	28680	20420	4670	600	57.0	152	312	29880	8900	105699
1958	24030	9850	9250	5790	7050	728	643	3780	30070	4370	4200	2400	102161
1959	2110	10200	8510	25880	3240	1130	1860	583	154	449	542	6600	61258
1960	8760	18700	8500	2270	1360	3340	959	509	227	999	6650	18740	71014
1961	41150	19350	18930	14660	2550	2060	1990	817	9070	1040	3120	27830	142567
1962	16850	6490	5460	5500	8740	2660	594	57.0	1520	288	1310	7280	56749
1963	5660	6820	4250	2920	451	331	141	41.0	0	0	403	1050	22067
1964	2790	2740	12290	18100	2340	516	19.0	76.0	65.0	12.0	82.0	780	39810
1965	850	6560	6360	3440	1430	646	40.0	0	2490	-	-	-	-
MAX	41150	19350	18930	33610	76890	4670	2770	3780	30070	4370	29880	27830	163793
MIN	758	2740	1800	2270	451	62.0	2.00	0	0	0	4.80	92.0	18635
MEAN	9444	9315	8284	13241	10583	1476	817	554	3141	585	3676	6167	67283
NO.	13	13	13	14	14	14	14	14	14	13	13	13	12
DISTR OF MEAN	14.0%	13.8%	12.3%	19.7%	15.7%	2.2%	1.2%	.8%	4.7%	.9%	5.5%	9.2%	100%

SABINE RIVER BASIN

08025307 Mill Creek near Burkeville, Texas

LOCATION: Lat 31°09'23", long 93°40'35", Newton County, 500 ft (150 m) downstream from Mitchell Creek, 3.5 mi (5.6 km) east of the bridge on State Highway 87, and 11 mi (18 km) north of Burkeville.

DRAINAGE AREA: 17.6 mi² (45.6 km²).

PERIOD OF RECORD: June 1974 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 166.45 ft (50.734 m) above mean sea level.

EXTREMES: Period of record (1974-75): Maximum discharge, 1,010 ft³/s (28.6 m³/s) Oct. 28, 1974 (gage height, 17.46 ft or 5.322 m); minimum 4.5 ft³/s (0.13 m³/s) July 30, 1974.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	-	-	-	-	-	626	512	607	791	1330	1740	3430	-
1975	2820	3090	2950	1990	4660	2780	2330	1220	1390	1690	956	1330	27206
MAX	2820	3090	2950	1990	4660	2780	2330	1220	1390	1690	1740	3430	27206
MIN	2820	3090	2950	1990	4660	626	512	607	791	1330	956	1330	27206
MEAN	2820	3090	2950	1990	4660	1703	1421	914	1091	1510	1348	2380	25877
NO. OF MEAN	1	1	1	1	1	2	2	2	2	2	2	2	1
DISTR OF MEAN	10.9%	11.9%	11.4%	7.7%	18.0%	6.6%	5.5%	3.5%	4.2%	5.8%	5.2%	9.2%	100%

SABINE RIVER BASIN

08025350 Toledo Bend Reservoir near Burkeville, Texas

LOCATION: Lat 31° 10' 25", long 93° 33' 57", Newton County, in the powerhouse at the right end of Toledo Bend Dam, and 15 mi (24 km) northeast of Burkeville.

DRAINAGE AREA: 7,178 mi² (18,591 km²).

PERIOD OF RECORD: October 1966 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to July 20, 1967, nonrecording gage at same site and datum. July 20, 1967 to June 30, 1973, recording gage at the south end of the spillway, 1.6 mi (2.6 km) north of the present site and at the same datum.

EXTREMES: Period of record (1966-75): Maximum contents, 4,739,000 ac-ft (5,843.2 hm³) Mar. 21, 1969 (elevation, 173.42 ft or 52.858 m); minimum contents since the initial filling of the reservoir in June 1968, 3,517,000 ac-ft (4,336.5 hm³) Oct. 22, 1972 (elevation, 166.29 ft or 50.685 m).

REMARKS: The reservoir is formed by a rolled earthfill dam 11,243 ft (3,427 m) long, including dikes, with a capacity of 4,660,000 ac-ft (5,745.8 hm³). Closure of the embankment was completed and deliberate impoundment was begun on Oct. 3, 1966. The reservoir is operated for hydro-electric power generation and water conservation. A gate controlled, gravity concrete, ogee weir is located near the left abutment of the dam. Net opening of 440 ft (134 m) is controlled by eleven 40-by-28-foot (12-by-9-m) tainter gates. A low-flow release sluiceway is located in an enlarged gate pier near the center of the spillway structure. This sluiceway is a single 8.33-by-12-foot (2.54-by-4-m) concrete conduit controlled by a single gate. Two 20-inch diameter (508-millimeter) conduits are provided which bypass the sluice gate. Water for the turbines is admitted through four 16.75-by-29-foot (5.11-by-9-m) penstocks and controlled by vertically operated caterpillar-type gates. The dam is operated by the Sabine River Authorities of Texas and Louisiana.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1966	-	-	-	-	-	-	-	-	-	31150	56140	40500
1967	44550	77630	84250	217000	433400	745100	778700	769700	761800	770800	927300	1073000
1968	1646000	1939000	2472000	3978000	4629000	4564000	4549000	4447000	4492000	4436000	4605000	4472000
1969	4319000	4629000	4555000	4402000	4449000	4306000	4177000	3928000	3714000	3676000	3710000	3839000
1970	4018000	4154000	4413000	4275000	4333000	4368000	4192000	4101000	3932000	4042000	4162000	4162000
1971	4057000	4080000	4078000	4085000	4133000	4007000	3970000	3970000	3912000	3912000	4026000	4175000
1972	4234000	4118000	4381000	4366000	4255000	4135000	4143000	3846000	3573000	3637000	3934000	4257000
1973	4329000	4384000	4573000	4609000	4426000	4581000	4357000	4147000	4039000	4350000	4435000	4597000
1974	4594000	4462000	4408000	4474000	4411000	4415000	4113000	3805000	3818000	4021000	4540000	4577000
1975	4306000	4485000	4245000	4262000	4572000	4531000	4378000	4055000	3753000	3801000	3838000	3887000
MAX	4594000	4629000	4573000	4609000	4629000	4581000	4549000	4447000	4492000	4436000	4605000	4597000
MIN	44550	77630	84250	217000	433400	745100	778700	769700	761800	31150	56140	40500
MEAN	3505283	3592070	3689917	3852000	3960156	3961344	3850856	3674300	3554978	3267695	3423344	3507950
NO.	9	9	9	9	9	9	9	9	9	10	10	10
DISTR												
OF MEAN	8.0%	8.2%	8.4%	8.8%	9.0%	9.0%	8.8%	8.4%	8.1%	7.5%	7.8%	8.0%

SABINE RIVER BASIN

08025360 Sabine River at Toledo Bend Reservoir near Burkeville, Texas

LOCATION: Lat 31°10'25", long 93°33'57", Newton County, in the powerhouse at the right end of Toledo Bend Dam, and 10 mi (16 km) upstream from the Sabine River near Burkeville gage (station 08026000).

DRAINAGE AREA: 7,178 mi² (18,591 km²).

PERIOD OF RECORD: October 1971 to December 1975.

GAGE: Water-stage recorders. Datum of gages is at mean sea level.

AVERAGE DISCHARGE: 5 years, 5,363,498 ac-ft/yr (6,613.2 hm³/yr).

EXTREMES: Period of record (1971-75): Maximum daily discharge, 67,000 ft³/s (1,900 m³/s) Jan. 28, 1974; minimum daily, 30 ft³/s (0.85 m³/s) October 1-4, 1972.

REMARKS: The discharges above 16,000 ft³/s (453 m³/s) are the result of tainter gate operations and are based on the tainter gate rating. The discharges below 16,000 ft³/s (453 m³/s) are based upon scroll case differential pressure-discharge relationships during turbine release periods. Estimates of the turbine leakage made during non-turbine release periods, and the low-flow sluiceway discharge is based on discharge measurements.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1971	-	-	-	-	-	-	-	-	-	26460	24830	495600	-
1972	786900	319300	14180	61750	228000	144800	120000	280100	270600	19820	7780	201300	2454530
1973	701400	449100	802100	1033000	1020000	663900	479500	229000	299600	85230	390800	932600	7086230
1974	1702000	876100	371200	309600	429800	265500	300000	284900	243300	10160	275900	1089000	6157460
1975	993700	1139000	890800	542600	965900	508100	319500	283600	268600	3630	3010	4580	5923020
MAX	1702000	1139000	890800	1033000	1020000	663900	479500	284900	299600	85230	390800	1089000	7086230
MIN	701400	319300	14180	61750	228000	144800	120000	229000	243300	3630	3010	4580	2454530
MEAN	1046000	695875	519570	486738	660925	395575	304750	269400	270525	29060	140464	544616	5363498
NO.	4	4	4	4	4	4	4	4	4	5	5	5	4
DISTR OF MEAN	19.5%	13.0%	9.7%	9.1%	12.3%	7.4%	5.7%	5.0%	5.0%	.5%	2.6%	10.2%	100%

SABINE RIVER BASIN

08026000 Sabine River near Burkeville, Texas

LOCATION: Lat 31°03'50", long 93°31'10", Newton County, Texas-Vernon Parish, Louisiana State line, at the bridge on State Highway 63, 200 ft (61 m) downstream from Pearl Creek, 10 mi (16 km) northeast of Burkeville, and 16 mi (26 km) downstream from Bayou Toro.

DRAINAGE AREA: 7,482 mi² (19,378 km²).

PERIOD OF RECORD: September 1955 to December 1975. Published as "below Toledo Bend near Burkeville" for 1955-75.

GAGE: Water-stage recorder. Datum of gage is 70.59 ft (21.516 m) above mean sea level, datum of 1929. Prior to Aug. 23, 1958, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 21 years, 3,586,999 ac-ft/yr (4,422.8 hm³/yr).

EXTREMES: Period of record (1955-75): Maximum discharge, 80,600 ft³/s (2,280 m³/s) Jan. 29, 1974 (gage height, 34.20 ft or 10.424 m); minimum daily, 38 ft³/s (1.08 m³/s) Sept. 14, 15, 1967.

Maximum stage since at least 1860, 35.9 ft (10.94 m) in May 1884, from information by a local resident. Flood of Apr. 15, 1945 reached a stage of 35.8 ft (10.91 m).

REMARKS: Records fair. The flow is regulated since 1966 by Toledo Bend Reservoir (station 08025350) located 16.8 mi (27.0 km) upstream (capacity, 4,660,000 ac-ft or 5,745.8 hm³).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1955	-	-	-	-	-	-	-	-	44230	29480	14570	30000	-
1956	46840	352000	136500	229500	390800	25930	12910	6160	4710	4480	17170	21370	1248370
1957	27340	195700	267100	683000	2293000	1005000	159700	29250	22920	227500	927900	704100	6542510
1958	672900	443400	406000	332500	1738000	286700	165700	115700	568600	286000	105900	96480	5217880
1959	82310	371600	362900	536100	456800	178800	85920	88830	29610	145200	100200	344100	2782370
1960	775100	729400	792100	160400	128800	95090	113200	52820	47070	89370	195300	943200	4121850
1961	1495000	826900	1037000	781200	102700	219000	298200	83000	394700	61470	147800	1106000	6552970
1962	559800	450600	452200	302800	554400	114600	61410	30200	57190	38490	40620	159500	2821810
1963	148900	134300	138000	104700	235900	36550	25100	19430	10160	6710	11290	33750	964790
1964	73200	73610	295200	318100	158900	49950	10200	13390	9300	12720	9530	46160	1070260
1965	61580	251700	303200	359900	339500	529700	46540	14890	31650	20280	16110	136300	2111350
1966	146800	776400	143500	176600	1972000	303000	27610	29570	44420	10600	5330	59910	3695740
1967	67620	63800	62160	41180	28940	28770	17980	5640	4620	5080	5130	15180	346100
1968	29770	15320	29830	107500	345600	654300	240100	134300	238800	120800	84610	830100	2831030
1969	351900	324400	1364000	1578000	1122000	412900	129600	167400	162800	19930	49420	30320	5712670
1970	52780	105700	529200	499600	319200	23790	152200	58230	131500	36310	30650	93770	2032930
1971	152300	94590	84610	13750	49150	89640	55150	42520	26720	28300	30390	503900	1171020
1972	823200	335400	55990	73750	239600	146000	133600	289000	278800	33650	27370	243700	2680060
1973	741900	493900	842400	1163000	1141000	704200	494700	258600	325200	108400	400900	959500	7633700
1974	1753000	928500	367100	376500	448100	290700	293400	293300	241500	26330	278700	1103000	6400130
1975	1031000	1192000	967600	578200	1079000	576600	366700	302400	263300	34180	13070	19870	6423920
MAX	1753000	1192000	1364000	1578000	2293000	1005000	494700	302400	568600	286000	927900	1106000	7633700
MIN	27340	15320	29830	13750	28940	23790	10200	5640	4620	4480	5130	15180	346100
MEAN	454662	407961	431830	420814	657170	288561	144496	101732	139895	64061	119617	356200	3586999
NO.	20	20	20	20	20	20	20	20	21	21	21	21	20
DISTR													
OF MEAN	12.7%	11.4%	12.0%	11.7%	18.3%	8.0%	4.0%	2.8%	3.9%	1.8%	3.3%	9.9%	100%

SABINE RIVER BASIN

08028500 Sabine River near Bon Weir, Texas

LOCATION: Lat 30°44'49", long 93°36'30", Beauregard Parish, Louisiana-Newton County, Texas State line, at the bridge on U.S. Highway 190, 0.7 mi (1.1 km) upstream from Quicksand Creek, 0.8 mi (1.3 km) upstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.0 mi (3.2 km) east of Bon Weir, and 2.4 mi (3.9 km) upstream from Caney Creek.

DRAINAGE AREA: 8,229 mi² (21,313 km²).

PERIOD OF RECORD: October 1923 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 46.42 ft (14.149 m) above mean sea level, datum of 1929. Prior to July 8, 1931, nonrecording gage at site 0.8 mi (1.3 km) downstream at same datum. July 8, 1931 to Oct. 15, 1958, nonrecording gage at present site and datum.

AVERAGE DISCHARGE: 63 years, 4,897,934 ac-ft/yr (6,039.2 hm³/yr).

EXTREMES: Period of record (1923-75): Maximum discharge, 115,000 ft³/s (3,260 m³/s) May 19, 1953 (gage height, 25.70 ft or 7.833 m); minimum daily, 134 ft³/s (3.79 m³/s) Nov. 9, 1966.

Maximum stage since at least 1833, 30.5 ft (9.30 m) Apr. 23 or 24, 1913, from information by the Gulf, Colorado, and Santa Fe Railway Co. and local residents.

REMARKS: Records fair. The flow is regulated since 1966 by Toledo Bend Reservoir (station 08025350) located 58.8 mi (94.6 km) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	177000	295200	1384000	-
1924	1307000	807800	1277000	624000	705300	943400	69060	53570	40810	40600	32100	50400	5951040
1925	274000	127000	126000	73500	141000	46300	31000	15300	18200	175800	941100	257300	2226500
1926	710300	343200	878300	1182000	813400	226300	204700	197800	40120	34100	67090	438500	5135810
1927	821800	654200	1165000	1302000	861300	298500	197100	109900	24470	140000	66600	168000	5808870
1928	141000	174000	577000	625000	379000	328000	176000	106000	27300	34700	91600	279000	2938600
1929	738000	639000	992400	405000	851200	987900	119000	57400	51200	31100	328000	387000	5587200
1930	652000	833000	489000	211000	533000	845000	56600	28900	35800	124000	102000	695000	4605300
1931	793000	541000	595000	276000	444000	63100	35900	32900	31800	21200	44400	781000	3659300
1932	2070000	2300000	1730000	417000	171000	60700	51800	27600	22800	21000	24300	282000	7178200
1933	652000	811000	953000	845000	518000	228000	664000	1230000	102000	60400	55000	129000	6247400
1934	1090000	778000	1360000	1120000	245000	67200	39700	23900	21200	24620	127900	465300	5362820
1935	665300	631400	654900	492000	1813000	908000	370600	87450	82870	65210	195900	588700	6555330
1936	168300	212900	185500	75630	204500	62230	197600	27530	23900	94940	47470	195200	1495700
1937	1059000	593300	633300	540300	196100	90290	42560	38660	51850	73010	92870	287200	3698440
1938	999300	946500	695100	1593000	750100	114900	101500	101100	35560	25950	74290	82310	5519610
1939	673300	895300	889600	379600	233700	115700	43710	33070	16130	30810	29480	348600	3689000
1940	351300	885500	195600	461400	431000	505600	276700	413900	138200	42800	511000	2324600	6537600
1941	1657000	664300	1141000	521000	1064000	1108000	854000	140400	146800	236600	964600	584200	9081900
1942	446100	457800	740400	949300	1236000	699100	192100	117300	256100	66780	89080	138600	5388660
1943	380800	166000	206300	277900	144100	392200	367500	37880	28650	65080	63070	84500	2213980
1944	597200	585400	923100	1004000	2382000	1168000	77610	43130	125400	38630	93320	474300	7512090
1945	1618000	960400	1279000	2864000	642800	230300	832700	210800	67810	447700	200100	389900	9743510
1946	1441000	1816000	1384000	798300	954600	1582000	370700	113700	96520	99530	745500	967900	10369750
1947	1654000	584300	985500	798600	510900	197000	99560	35120	47780	32720	153600	558500	5657580
1948	624100	1040000	851500	617700	451500	274800	60560	32250	25470	22010	183800	108600	4292290
1949	641200	820400	932200	787400	434000	237200	168700	167300	68710	431200	302600	522600	5513510
1950	1506000	1530000	1454000	301500	1146000	1729000	205200	152900	97900	79850	73810	75810	8351970
1951	366800	361000	470600	431000	273700	134000	110300	29700	50370	26850	33060	124600	2411980
1952	131800	568200	482200	798600	644600	341100	127800	38950	20500	16700	29620	184800	3384870
1953	252700	491700	1146000	351100	3747000	964400	173600	132600	66060	33580	44210	230600	7633550
1954	282100	252300	140900	258500	676000	114000	27550	19880	13450	16160	145600	79210	2025650
1955	146600	420700	290500	728900	291300	124700	99110	463200	90310	46230	28420	57990	2787960
1956	99920	441300	211800	253800	366700	41250	22460	12830	11460	11810	30900	89530	1593760
1957	61590	229800	398800	745500	2312000	1108000	247200	55550	45110	240500	1088000	829400	7361450
1958	776300	540700	522300	425600	1587000	348600	210400	147100	610500	410200	125200	119100	5823000
1959	113700	505700	421400	626600	513500	208400	106400	115500	42470	147800	111300	376800	3289570
1960	832300	850400	854200	219500	162300	126000	135800	67780	58320	109500	231000	939700	4566800
1961	1616000	960900	1142000	878200	154600	240500	377400	129000	484000	87640	243200	1213000	7526440
1962	660500	518800	515800	338600	597700	165900	83070	52450	79770	53260	57470	190100	3313420
1963	211200	181700	193500	133900	252200	60440	56210	32280	20280	14380	30250	70140	1256480
1964	124400	111400	394300	386700	223100	70130	32600	24120	18320	21290	23420	83900	1513680
1965	87620	285100	355000	429300	331300	522300	76650	24620	42710	30420	30240	179100	2394360
1966	210600	1113000	192600	192700	1919000	360300	55890	48410	52310	27290	28770	86650	4287520
1967	123400	104900	109500	151600	83120	70120	38160	12980	12270	11590	12890	54290	784820
1968	110400	42930	80140	227100	355600	708900	257100	154800	260400	139000	109500	891800	3337670
1969	431600	396300	1401000	1628000	1220000	450300	158100	180900	169300	36260	67640	71920	6211320
1970	103300	148600	510000	527800	361000	39480	161200	72070	152800	98820	57560	111000	2343630
1971	205700	144000	163600	37720	72920	101300	79320	69610	36100	47620	39180	604200	1601270
1972	1008000	415600	165600	104200	263900	192400	170700	319700	308100	59690	67050	377700	3452640

SABINE RIVER BASIN

08028500 Sabine River near Bon Weir, Texas—continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1973	848800	686600	1044000	1421000	1327000	840100	596700	284300	379000	171100	434200	1037000	9069800
1974	1902000	1204000	461800	463000	509600	317700	318700	348500	294200	56130	339900	1231000	7466530
1975	1235000	1286000	1129000	694900	1324000	722400	481200	391700	279900	100300	38980	60180	7745560
MAX	2070000	2300000	1730000	2864000	3747000	1729000	854000	1230000	610500	447700	1088000	2324600	10369750
MIN	61590	42930	80140	37720	72920	39480	22460	12830	11460	11590	12890	50400	784820
MEAN	686026	635795	694428	615307	727416	420797	194419	132006	102372	89650	178176	421542	4897934
NO.	52	52	52	52	52	52	52	52	52	53	53	53	52
DISTR													
OF MEAN	14.0%	13.0%	14.2%	12.6%	14.9%	8.6%	4.0%	2.7%	2.1%	1.8%	3.6%	8.6%	100%

SABINE RIVER BASIN

08029500 Big Cow Creek near Newton, Texas

LOCATION: Lat 30°49'08", long 93°47'07", Newton County, at the bridge on State Highway 87, 2.6 mi (4.2 km) southwest of Newton, 5.0 mi (8.0 km) downstream from Melhones Creek, and 8.0 mi (12.9 km) upstream from White Oak Creek.

DRAINAGE AREA: 128 mi² (332 km²).

PERIOD OF RECORD: May 1952 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 134.69 ft (41.054 m) above mean sea level, datum of 1929. Prior to Dec. 19, 1957, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 24 years, 79,520 ac-ft/yr (98.0 hm³/yr).

EXTREMES: Period of record (1952-75): Maximum discharge, 20,200 ft³/s (572 m³/s) Apr. 29, 1953 (gage height, 19.45 ft or 5.928 m); minimum daily, 10 ft³/s (0.28 m³/s) July 7, 8, 21-23, 1971.

Maximum stage since at least 1907, 27.5 ft (8.38 m) in April 1922, from information by a local resident.

REMARKS: Records fair. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	-	10920	3640	5100	2110	1520	1620	3350	9600	-
1953	5380	16480	8950	31710	50260	7130	9500	4810	3150	2990	4210	6850	151420
1954	5910	3550	3680	5600	17090	2800	1980	1940	1510	2460	3450	3000	52970
1955	5830	17960	3530	14810	2900	2100	2630	7080	2550	1630	2310	2700	66030
1956	5380	10140	6540	4290	2060	2790	1260	889	1030	1070	2190	4880	42519
1957	2910	4000	14200	10090	6290	4620	2810	1390	2190	3410	17500	9480	78890
1958	15160	8370	7010	6560	3680	2900	2750	2000	8220	3050	2880	2630	65210
1959	3560	13080	4320	11640	3670	2590	7020	3590	1900	2230	2040	7130	62770
1960	7440	12440	5540	3600	2440	2790	2560	2050	1590	5230	4600	13320	63600
1961	27370	15610	13610	5310	4370	5210	6910	4030	21020	4270	9670	14990	132570
1962	9380	5430	5730	5530	6250	8980	3310	2240	2950	2430	3960	6130	62320
1963	4780	6410	4810	2860	3130	1910	3000	1620	3270	1610	9000	10450	52850
1964	9290	7460	12810	9950	6290	2240	1750	1700	1580	1420	2390	4670	61550
1965	3150	5100	5320	2920	3190	1320	1080	1150	1660	1250	2450	7400	35990
1966	9130	37440	4800	4350	3270	1650	1860	2500	2190	5080	3460	4210	79940
1967	4830	6100	4320	8510	3570	5670	1840	1490	1330	1400	1620	3920	44600
1968	5640	3370	6420	21700	5670	9020	2970	2430	2260	2210	4320	6780	72790
1969	3910	10380	11870	6760	15150	4470	2250	1620	1350	1490	2260	5680	67190
1970	3660	3750	5460	5420	6860	1820	1530	1500	1810	7220	3630	2830	45490
1971	3050	3850	4970	1750	1950	988	875	1460	1250	1910	1710	12510	36273
1972	13250	4270	8800	3190	5430	1380	2260	2390	1750	4970	8080	14880	70650
1973	13480	14270	19970	25430	21760	16160	12240	13610	13450	14920	14230	17090	196610
1974	39640	11470	10600	20580	7240	4650	4070	4010	5410	5590	11900	18260	143420
1975	14920	12080	14710	11620	19550	20880	9250	10030	5640	12630	6370	9750	147430
MAX	39640	37440	19970	31710	50260	20880	12240	13610	21020	14920	17500	18260	196610
MIN	2910	3370	3530	1750	1950	988	875	889	1030	1070	1620	2630	35990
MEAN	9437	10131	8181	9747	8875	4905	3784	3235	3774	3837	5316	8298	79520
NO. OF MEAN	23	23	23	23	24	24	24	24	24	24	24	24	23
DISTR													
OF MEAN	11.9%	12.7%	10.3%	12.3%	11.2%	6.2%	4.8%	4.1%	4.7%	4.8%	6.7%	10.4%	100%

SABINE RIVER BASIN
08030000 Cypress Creek near Buna, Texas

LOCATION: Lat 30°25'52", Long 93°54'28", Jasper County, at the bridge on Farm Road 253, 0.3 mi (0.5 km) downstream from Boggy Creek, 3.2 mi (5.1 km) east of Buna, and 9.5 mi (15.3 km) upstream from Little Cypress Creek.

DRAINAGE AREA: 69.2 mi² (179.2 km²).

PERIOD OF RECORD: April 1952 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 46.16 ft (14.070 m) above mean sea level, datum of 1929. Prior to Oct. 23, 1957, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 24 years, 50,351 ac-ft/yr (62.1 hm³/yr).

EXTREMES: Period of record (1952-75): Maximum discharge, 7,100 ft³/s (201 m³/s) Sept. 18, 1963 (gage height, 13.28 ft or 4.048 m); no flow at times.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	18980	18710	227	424	.80	0	0	0	258	-
1953	727	12500	2060	6850	25930	512	104	447	400	12.0	9.1	3950	53501
1954	4370	549	486	8970	18840	41.0	2.60	13.0	0	0	38.0	31.0	33341
1955	4800	20820	338	18660	31.0	4.00	187	6650	587	2.00	50.0	1650	53779
1956	5120	14940	4460	452	101	453	0	0	0	0	35.0	4720	30281
1957	313	1020	17690	6590	6680	8250	1210	26.0	7280	2220	26210	7290	84779
1958	10070	10310	1660	4570	1010	24.0	0	0	15890	1040	824	993	46391
1959	5930	27330	1810	13180	671	220	11720	2950	197	346	187	13950	78491
1960	12160	13470	2130	678	239	1110	80.0	2150	333	4200	9070	20950	66570
1961	34310	18560	6070	1690	205	1430	2070	81.0	6370	7.90	6630	15550	92974
1962	9870	2600	812	1140	491	7030	123	0	0	0	20.0	556	22642
1963	1820	4490	1030	58.0	0	0	372	3.40	19770	52.0	7790	11310	46695
1964	11230	5020	16070	4410	2230	439	55.0	39.0	622	59.0	129	4210	44513
1965	1890	5070	10030	3000	20.0	2.60	3.40	42.0	141	10.0	22.0	5030	25261
1966	11490	17520	1040	2170	3500	162	2.00	9.1	52.0	68.0	1340	853	38206
1967	2470	2530	382	10110	179	272	18.0	17.0	16.0	7.00	23.0	878	16902
1968	5690	1270	1870	7950	2540	16910	158	91.0	250	41.0	1690	5190	43650
1969	1710	11760	12080	7430	8280	585	268	.10	0	7.10	9.3	996	43125
1970	757	1230	2070	2670	5230	461	3.20	.90	84.0	20010	1430	500	34446
1971	1450	1510	2500	19.0	9.7	.06	0	58.0	23.0	733	871	17090	24264
1972	16640	3920	8440	123	1750	5.00	34.0	57.0	209	577	2490	6950	41195
1973	12680	14980	14500	18740	13950	5860	1050	1720	8640	10540	4730	6730	114120
1974	28980	3070	1290	3510	966	2.80	0	0	0	0	2880	12230	52929
1975	11580	3660	5650	4660	15340	9550	1710	1670	75.0	2740	514	2530	59679
MAX	34310	27330	17690	18980	25930	16910	11720	6650	19770	20010	26210	20950	114120
MIN	313	549	338	19.0	0	0	0	0	0	0	0	31.0	16902
MEAN	8524	8614	4977	6109	5288	2231	816	668	2539	1778	2791	6016	50351
NO.	23	23	23	24	24	24	24	24	24	24	24	24	23
DISTR													
OF MEAN	16.9%	17.1%	9.9%	12.1%	10.5%	4.4%	1.6%	1.3%	5.0%	3.5%	5.5%	11.9%	100%

SABINE RIVER BASIN

08030500 Sabine River near Ruliff, Texas

LOCATION: Lat 30°18'13", long 93°44'37", Calcasieu Parish, Louisiana-Newton County, Texas State line, at the bridge on Texas State Highway 12, 2.4 mi (3.9 km) north of Ruliff, 4.2 mi (6.8 km) upstream from the Kansas City-Southern Railway Co. bridge, and 4.5 mi (7.2 km) downstream from Cypress Creek.

DRAINAGE AREA: 9,329 mi² (24,162 km²).

PERIOD OF RECORD: October 1924 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 4.08 ft (1.244 m) above mean sea level, datum of 1929. Prior to Mar. 1, 1941, nonrecording gage at the Kansas City-Southern Railway Co. bridge, 4.2 mi (6.8 km) downstream and at datum 2.02 ft (0.616 m) lower. Mar. 1, 1941 to Dec. 8, 1948, nonrecording gage at present site and datum.

AVERAGE DISCHARGE: 52 years, 5,961,919 ac-ft/yr (7,351.0 hm³/yr).

EXTREMES: Period of record (1924-75): Maximum discharge, 121,000 ft³/s (3,430 m³/s) May 22, 1953 (gage height, 19.98 ft or 6.090 m); minimum, 270 ft³/s (7.65 m³/s) Sept. 27-30 and Oct. 1-3, 1920, 1956.

Maximum stage since at least 1835, 22.2 ft (6.77 m) in May or June 1884 (adjusted to present site and datum on the basis of the slope of the flood of June 8, 9, 1950).

REMARKS: Records fair. The flow is partly regulated since 1966 by Toledo Bend Reservoir (station 08025350) located 116.3 mi (187.1 km) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	-	-	-	-	-	59700	43600	68400	-
1925	435000	157000	127000	81700	133000	65700	45800	27200	30800	194800	1466000	355800	3119800
1926	844500	450400	1011000	1642000	955400	286600	234200	243000	78350	58330	84280	333900	6221960
1927	1209000	772900	1305000	1302000	1060000	319700	272300	151900	54280	135800	84060	223600	6890540
1928	266200	188300	622300	741800	432900	351200	215700	136500	44050	37590	95180	255100	3386820
1929	809500	725600	1091000	553600	871500	1199000	148000	60590	58040	42900	362000	390000	6311730
1930	892000	1050000	606000	291000	483000	893000	73800	44100	54300	151000	133000	787000	5458200
1931	1020000	644000	836000	383000	535000	90400	62700	50700	49900	34200	59500	812000	4577400
1932	2340000	2560000	2180000	459000	217000	101000	75500	44000	29300	29200	30600	304000	8371600
1933	762000	1010000	1210000	869000	541000	300000	521000	1670000	126000	73200	60100	137000	7279300
1934	1210000	1170000	1650000	1360000	379000	104000	60400	35400	28100	41820	141600	519300	6699620
1935	802400	815300	817900	477000	201600	1062000	385200	114500	103800	79740	244800	829200	5933440
1936	246100	306200	201600	96950	217100	129600	242100	51220	41970	95680	71930	258400	1958850
1937	1171000	866800	636700	715400	216700	138400	60220	47680	81050	123700	121000	270500	4449150
1938	1205000	1092000	824100	1831000	798600	153300	146100	187100	67830	43850	110100	122600	6581580
1939	904400	939000	1119000	449400	261000	155400	59470	52540	24620	34270	47970	173200	4220270
1940	573900	1015000	259500	448300	558500	525700	350000	833800	177800	70140	625000	2911000	8348640
1941	1991000	763200	1340000	635400	1154000	1366000	1162000	213800	226200	269100	1085000	654200	10859900
1942	588400	536100	934000	1145000	1266000	873300	334400	200800	373400	101500	119700	173100	6645700
1943	513200	237000	286800	363400	184200	344600	569100	103700	63350	85700	98880	149800	2999730
1944	833500	808500	1142000	1268000	2855000	1505000	140900	80990	182600	77570	145000	664700	9703760
1945	2082000	1331000	1394000	3364000	925200	292800	856000	331700	115800	512400	299000	610500	12114400
1946	1779000	2233000	1766000	987000	998900	1964000	769100	179100	143600	142400	786100	1306000	13054200
1947	2198000	804400	1212000	937200	590900	309800	126500	50430	66630	52000	180400	754500	7282760
1948	824900	1266000	1074000	798600	445800	385600	89610	42880	33750	28110	259600	176100	5424950
1949	747300	1129000	1220000	1203000	629900	296900	232800	235900	93400	500200	403900	749800	7442100
1950	1564000	1841000	1752000	386500	1319000	2390000	305700	197300	131700	111200	103300	110700	10212400
1951	456200	413900	536400	651900	348900	151000	151800	46680	84790	56920	59670	190200	3148360
1952	167100	735700	646400	1006000	973900	512500	205900	74300	28820	23250	38840	240000	4652710
1953	342000	615700	1327000	456200	4060000	1226000	262200	221900	117000	61130	69160	305300	9063590
1954	374000	319700	192500	361700	963100	218500	48590	31620	20720	24080	167900	102800	2825210
1955	211100	670300	351000	950200	389000	217800	139000	626700	185900	80430	57000	120900	3999330
1956	186900	726500	347500	341900	448700	89790	42260	22360	19400	17510	42980	227200	2513000
1957	100700	274200	677600	893600	2478000	1387000	656900	95190	132200	301200	1386000	1129000	9511590
1958	930000	764800	640800	571700	1485000	522000	275000	163300	733900	681400	182300	185200	7135400
1959	175100	932200	576900	677900	657600	270800	239800	206600	81360	177700	158700	457000	4611660
1960	949300	953900	1052000	291000	208700	134400	195400	94450	78680	129000	289800	1034000	5410630
1961	2187000	1221000	1262000	1042000	208100	253100	539300	204300	614200	135700	312900	1279000	9258660
1962	872900	628000	577700	345200	663200	292100	129100	82750	110300	81240	80890	208200	4071580
1963	326300	257900	261000	162000	270800	82270	91080	45630	182200	28290	78790	172500	1958760
1964	242000	185100	597400	431100	387600	111700	53350	39480	31890	30960	34250	166000	2310830
1965	147000	361800	495100	550200	332500	637400	113700	37100	48820	44790	41340	254100	3063850
1966	337200	1380000	316800	222400	202800	614000	80180	74020	75260	62540	72200	113200	3550600
1967	182000	166500	161600	333100	125700	109100	49510	23480	19810	17940	19480	104300	1312520
1968	260800	89670	155700	377000	381600	1023000	343400	201600	336100	165500	129100	1076000	4539470
1969	665200	494200	1690000	1978000	1476000	633500	206300	217700	191000	49470	87430	108400	7797200
1970	139700	191400	600500	762900	493200	84950	122000	164100	187500	335200	168300	132200	3381950
1971	270000	184700	328100	61320	92150	119700	93590	85100	36940	63220	58400	871700	2264920
1972	1258000	606300	282500	147100	319100	191800	208000	343400	344000	119400	146900	466300	4434800
1973	1071000	998100	1123000	1606000	1428000	907700	799100	385100	626400	410600	519200	1078000	10952200

SABINE RIVER BASIN

08030500 Sabine River near Ruliff, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	2017000	1555000	641900	566400	565300	356900	349900	358600	340800	77240	374700	1264000	8467740
1975	1456000	1312000	1260000	897200	1323000	919600	573200	490800	335500	165600	91520	121900	8946320
MAX	2340000	2560000	2180000	3364000	4060000	2390000	1162000	1670000	733900	681400	1466000	2911000	13054200
MIN	100700	89670	127000	61320	92150	65700	42260	22360	19400	17510	19480	68400	1312520
MEAN	845820	799025	837633	754378	755140	522934	264885	190649	145963	125508	229411	490573	5961919
NO.	51	51	51	51	51	51	51	51	51	52	52	52	51
DISTR													
CF MEAN	14.2%	13.4%	14.0%	12.7%	12.7%	8.8%	4.4%	3.2%	2.4%	2.1%	3.8%	8.2%	100%

SABINE RIVER BASIN

08031000 Cow Bayou near Mauriceville, Texas

LOCATION: Lat 30°11'10", long 93°54'30", Orange County, at the bridge on State Highway 12, 0.4 mi (0.6 km) upstream from the Kansas City-Southern Railway Co. bridge, and 2.7 mi (4.3 km) southwest of Mauriceville.

DRAINAGE AREA: 83.3 mi² (215.7 km²).

PERIOD OF RECORD: April 1952 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 4.73 ft (1.442 m) above mean sea level, datum of 1929. Prior to Oct. 23, 1957, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 24 years, 70,755 ac-ft/yr (87.2 hm³/yr).

EXTREMES: Period of record (1952-75): Maximum discharge, 4,600 ft³/s (130 m³/s) Sept. 19, 1963 (gage height, 18.15 ft or 5.532 m); no flow at times.

Maximum stage since at least 1940, 18.16 ft (5.535 m) Oct. 28, 1970.

REMARKS: Records fair. No diversion above station. The base flow is partly sustained by springs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	31590	7630	342	5600	20.0	3.20	6.20	13.0	598	-
1953	704	10780	3880	5980	32950	153	155	360	1300	6.10	6.70	2230	58505
1954	4170	312	184	6360	10050	215	9.7	3.20	0	17.0	78.0	8.70	21408
1955	4730	16260	746	15120	1970	208	34.0	1660	3520	6.10	0	2390	46644
1956	3910	16320	2510	285	1080	32.0	0	1.20	2.20	0	6.30	16020	40167
1957	386	292	22960	12970	10940	6030	9060	20.0	7020	9460	22320	9640	111098
1958	16620	12830	4920	12280	4440	458	136	79.0	39680	2230	15.0	349	94037
1959	2550	53350	4980	21800	1120	70.0	19670	5490	797	440	114	8830	119211
1960	11190	17060	2540	531	1390	5.20	360	3250	915	5230	12180	15130	69781
1961	54040	30140	7400	2710	39.0	8610	9880	700	5350	14.0	7150	14110	140143
1962	6100	2140	936	1540	1700	3780	83.0	27.0	122	54.0	374	5510	22366
1963	4920	7130	877	15.0	17.0	14.0	792	28.0	48560	262	4650	11960	79225
1964	10540	6630	13820	1400	3720	3480	14.0	18.0	2350	1050	348	7850	51220
1965	1900	3150	6870	1260	41.0	5.20	11.0	5.20	88.0	2.00	3.40	3160	16496
1966	10120	18170	3380	6890	11850	175	79.0	1190	37.0	519	792	641	53843
1967	2010	5820	341	20100	565	2150	14.0	14.0	3.90	3.00	4.80	1100	32126
1968	16440	1580	5260	19080	10000	31630	3580	195	5830	114	585	10160	104454
1969	5390	19970	14170	12450	15610	423	712	16.0	13.0	2.90	7.00	284	69048
1970	349	485	2150	3030	1620	601	3.20	8.50	149	31070	9810	207	49483
1971	1450	7320	5070	27.0	2730	77.0	17.0	273	516	466	57.0	21510	39513
1972	16570	9270	11250	448	4630	337	970	199	350	541	6170	10880	61615
1973	21420	13730	22370	21610	19250	9200	1850	2380	17390	17790	7440	6150	160580
1974	33240	6640	4030	2290	254	159	38.0	159	81.0	14.0	3130	9020	59055
1975	21300	4260	3500	12600	15490	29310	6470	10560	5970	3800	3760	6650	123670
MAX	54040	53350	22960	31590	32950	31630	19670	10560	48560	31070	22320	21510	160580
MIN	349	292	184	15.0	17.0	5.20	0	1.20	0	0	0	8.70	16496
MEAN	10872	11463	6267	8849	6629	4061	2481	1111	5835	3046	3292	6849	70755
NO.	23	23	23	24	24	24	24	24	24	24	24	24	23
DISTR OF MEAN	15.4%	16.2%	8.9%	12.5%	9.4%	5.7%	3.5%	1.6%	8.2%	4.3%	4.7%	9.7%	100%

NECHES RIVER BASIN

08031200 Kickapoo Creek near Brownsboro, Texas

LOCATION: Lat 32°18'34", long 95°36'19", Henderson County, 94 ft (29 m) downstream from the bridge on Farm Road 314, and 1.0 mi (1.6 km) northeast of Brownsboro.

DRAINAGE AREA: 232 mi² (601 km²).

PERIOD OF RECORD: May 1962 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 358.62 ft (109.307 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 14 years, 100,925 ac-ft/yr (124.4 hm³/yr).

EXTREMES: Period of record (1962-75): Maximum discharge, 14,800 ft³/s (419 m³/s) Apr. 27, 1966 (gage height, 14.79 ft or 4.508 m); maximum gage height, 15.34 ft (4.676 m) May 11, 1968; no flow for many days.

Maximum stage since 1935, 16.4 ft (5.00 m) in 1936 or 1937, from information by local residents.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1962	-	-	-	-	5020	931	1150	1620	181	588	1220	2150	-
1963	2750	2130	3530	12600	10820	338	16.0	0	0	0	4.20	158	32346
1964	687	1850	4750	1450	2060	930	1.00	0	1.00	0	235	102	12066
1965	1800	11880	3980	3630	22640	1060	46.0	0	101	1.80	0	268	45407
1966	646	3600	2240	77480	31160	878	257	1540	4730	887	1540	2250	127208
1967	3540	2320	3050	10120	6280	14520	183	+30	390	1630	7970	15270	65273
1968	20900	15560	23900	34740	84900	10710	5660	356	972	749	2980	10930	212357
1969	5660	20070	38220	22630	39230	2640	55.0	0	0	14.0	2420	9850	140789
1970	11330	18390	28800	9980	3340	2480	55.0	0	631	25390	8210	3520	112126
1971	3340	4930	4530	2040	1200	118	8.80	1200	243	2010	6710	42600	68930
1972	26850	8680	3600	1770	1020	1160	156	454	12.0	1670	10130	10050	65552
1973	12540	13160	36430	43810	7740	65530	1330	862	3410	10030	11140	17910	223892
1974	19390	11270	12070	8680	14100	2310	69.0	87.0	4410	2400	35890	19400	130076
1975	14880	23190	15450	18150	28210	8170	639	85.0	148	145	578	1410	111055
MAX	26850	23190	38220	77480	84900	65530	5660	1620	4730	25390	35890	42600	223892
MIN	646	1850	2240	1450	1020	118	1.00	0	0	0	0	102	12066
MEAN	9563	10541	13888	19006	18409	7984	688	443	1088	3251	6359	9705	100925
NO.	13	13	13	13	14	14	14	14	14	14	14	14	13
DISTR													
OF MEAN	9.5%	10.4%	13.8%	18.8%	18.2%	7.9%	.7%	.4%	1.1%	3.2%	6.3%	9.6%	100%

NECHES RIVER BASIN
08031290 Lake Athens near Athens, Texas

LOCATION: Lat 32°12'15", long 95°43'30", Henderson County, at the upstream side of the dam on Flat Creek, 5 mi (8 km) downstream from Underwood Lake, 8 mi (13 km) east of Athens, and 18 mi (29 km) upstream from the Neches River.

DRAINAGE AREA: 21.6 mi² (56.9 km²).

PERIOD OF RECORD: October 1964 to December 1975. Prior to October 1972, published as "Flat Creek Reservoir".

GAGE: Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES: Period of record (1964-75): Maximum contents, 36,500 ac-ft (45.0 hm³) May 10, 1968 (elevation, 442.37 ft or 134.838 m); minimum contents since the operating level was first reached (May 7, 1968), 30,400 ac-ft (37.5 hm³) Sept. 22, 1971 (elevation, 438.40 ft or 133.624 m).

REMARKS: The lake is formed by a rolled earthfill dam 3,000 ft (910 m) long, with a capacity of 42,600 ac-ft (52.5 hm³). Deliberate impoundment began on Nov. 1, 1962 and the dam was completed in May 1963. The emergency spillway is an uncontrolled 300-foot wide (91-m) cut through natural ground located about 500 ft (150 m) to the left of the left end of the dam. The service spillway is an uncontrolled 6- by 6-foot (2- by 2-m) square drop inlet. The outlet works consist of a controlled 18-inch diameter (457-millimeter) concrete conduit that extends through the dam. The dam is operated by the Athens Municipal Water Authority.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1964	-	-	-	-	-	-	-	-	-	5120	5580	5760
1965	6670	8690	9340	9770	11950	11930	11380	10990	11060	10960	11110	11560
1966	12060	12760	13100	17450	18680	18330	17840	18200	18540	18380	18830	19320
1967	19730	20000	20370	21780	22680	22390	21850	21220	22220	22630	23040	24640
1968	26710	28200	29940	32070	33300	33330	32860	32200	32730	32760	33610	33240
1969	33500	33340	33420	33480	33330	32660	31780	31080	31040	31200	31630	33210
1970	33160	33560	33240	33330	32920	32370	31780	30840	30760	32490	32900	33040
1971	32990	33140	32820	32870	32490	31590	31330	30990	30820	31110	31380	32980
1972	33360	33020	32900	32990	32610	32950	32540	32250	32170	33310	33240	33330
1973	33380	33270	33420	33600	33100	32990	33270	32600	33220	33740	33440	33340
1974	33530	33360	33250	33190	33270	32570	31690	31750	33080	33950	33680	33440
1975	33330	33330	33440	33620	33530	33060	32460	31920	31500	31830	31760	32220
MAX	33530	33560	33440	33620	33530	33330	33270	32600	33220	33950	33680	33440
MIN	6670	8690	9340	9770	11950	11930	11380	10990	11060	5120	5580	5760
MEAN	27129	27515	27749	28559	28896	28561	28071	27640	27922	26457	26683	27173
NO.	11	11	11	11	11	11	11	11	11	12	12	12
DISTR												
OF MEAN	8.2%	8.3%	8.3%	8.6%	8.7%	8.6%	8.4%	8.3%	8.4%	8.0%	8.0%	8.2%

NECHES RIVER BASIN

08031400 Lake Palestine near Frankston, Texas

LOCATION: Lat 32°03'12", long 95°26'12". Anderson-Cherokee County line, in the outlet tower near the right bank, 140 ft (43 m) upstream from Blackburn Crossing Dam on the Neches River, 5 mi (8 km) east of Frankston, and 11 mi (18 km) upstream from the gage, "Neches River near Neches".

DRAINAGE AREA: 839 mi² (2,173 km²).

PERIOD OF RECORD: February 1962 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Sept. 20, 1962, nonrecording gage at same site and datum.

EXTREMES: Period of record (1962-75): Maximum contents, 501,300 ac-ft (618.1 hm³) June 7, 1973 (elevation, 348.29 ft or 106.159 m); minimum contents since the first appreciable storage, 11,450 ac-ft (14.1 hm³) Nov. 28, 1970 (elevation, 310.000 ft or 94.488 m).

REMARKS: The lake is formed by a rolled earthfill dam 5,720 ft (1,740 m) long, including a 500-foot wide (150-m) uncontrolled emergency spillway located near the left end of the dam, capacity of the lake is 412,000 ac-ft (508.0 hm³). Deliberate impoundment began on May 1, 1962 and the dam was completed on June 13, 1962. The outlet works consist of a multi-gated concrete tower that is connected to a 8.5-foot diameter (2.6-m) concrete conduit through the dam. The low-flow outlet consists of two 3.0-foot (0.9-m) iron pipes that are connected to the tower structure for low-flow releases. The enlargement of the lake began on Sept. 26, 1969 and was completed on Mar. 3, 1971. The dam is operated by the Upper Neches River Municipal Water Authority.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1962	-	724 50	618 30	68 560	444 60	381 20	450 00	381 20	376 40	395 10	404 30	397 20
1963	394 60	401 00	388 90	38 890	389 30	359 50	346 60	329 60	322 80	315 60	339 00	353 80
1964	362 90	361 90	389 80	38 210	394 60	393 20	367 70	362 90	376 80	373 50	386 00	391 80
1965	388 90	521 20	439 10	45 300	61 970	475 80	423 30	394 20	391 80	384 10	388 90	403 20
1966	397 80	349 90	431 50	86 410	56 700	423 90	361 00	401 60	428 20	425 50	439 70	429 90
1967	436 40	438 60	456 00	46 800	392 70	397 20	351 80	316 50	329 20	316 90	425 00	512 70
1968	504 10	494 50	516 00	54 610	584 80	536 30	328 40	250 80	260 10	171 40	169 10	215 80
1969	175 60	433 70	621 10	56 110	502 30	173 30	134 30	126 80	132 00	132 90	137 70	184 10
1970	193 10	220 50	334 30	28 620	164 40	180 10	176 80	163 90	1726 0	322 00	1204 0	122 50
1971	126 50	224 70	280 30	34 660	371 60	357 10	334 80	342 40	332 60	354 20	478 20	1230 00
1972	192000	214800	228300	231300	230800	230800	226000	219900	221500	244000	289800	339700
1973	392500	417000	439200	450600	415200	417500	419100	405800	422500	425100	440100	430100
1974	438400	427500	418300	421500	420700	406800	396000	397000	420200	436900	438700	428000
1975	423800	422800	423000	435000	436600	422000	407500	396500	390000	392200	393000	399800
MAX	438400	427500	439200	450600	436600	422000	419100	405800	422500	436900	440100	430100
MIN	12650	22050	28030	28620	16440	17330	13430	12680	13200	13290	12040	12250
MEAN	134207	135654	139738	145469	139029	131919	126862	123299	126175	129809	135031	144407
NO.	13	14	14	14	14	14	14	14	14	14	14	14
DISTR												
OF MEAN	8.3%	8.4%	8.7%	9.0%	8.6%	8.2%	7.9%	7.7%	7.8%	8.1%	8.4%	9.0%

NECHES RIVER BASIN
08031500 Neches River near Reese, Texas

LOCATION: Lat 32°01'30", long 95°25'40", Anderson-Cherokee County line, at the Texas and New Orleans Railroad Co. bridge, 2 mi (3.2 km) west of Reese, 500 ft (152.4 m) above a highway bridge, and 1.5 mi (2.4 km) below the mouth of Killough Creek.

DRAINAGE AREA: 851 mi² (2,204.1 km²).

PERIOD OF RECORD: May 1924 to September 1927.

GAGE: Inverted staff gage. Datum of gage is 310.88 ft (94.76 m) above mean sea level.

EXTREMES: Period of record (1924-27): Maximum discharge, 7,490 ft³/s (212.1 m³/s) April 9, 1927; no flow July 25-30 and September 10-11, 1925.

REMARKS: Records fair. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	49600	44300	1400	296	5370	618	2760	9860	-
1925	17800	10000	8980	5730	9800	393	347	246	379	2560	35100	6040	97375
1926	33700	20000	90500	70500	122000	35500	29700	13000	774	3750	6510	61100	487034
1927	90200	65400	61400	179000	31000	42500	20800	4460	4170	-	-	-	-
MAX	90200	65400	90500	179000	122000	44300	29700	13000	5370	3750	35100	61100	487034
MIN	17800	10000	8980	5730	9800	393	347	246	379	618	2760	6040	97375
MEAN	47233	31800	53627	85077	53100	30673	13062	4501	2673	2309	14790	25667	364512
NO.	3	3	3	3	4	4	4	4	4	3	3	3	2
DISTR													
OF MEAN	13.0%	8.7%	14.7%	23.3%	14.6%	8.4%	3.6%	1.2%	.7%	.6%	4.1%	7.0%	100%

NECHES RIVER BASIN

08032000 Neches River near Neches, Texas

LOCATION: Lat 31°53'32", long 95°25'50", Anderson-Cherokee County line, at the bridge on U.S. Highway 79, 1.0 mi (1.6 km) downstream from the Missouri-Pacific Railroad Co. bridge, 1.4 mi (2.3 km) downstream from Walnut Creek, and 4.4 mi (7.1 km) northeast of Neches.

DRAINAGE AREA: 1,145 mi² (2,966 km²).

PERIOD OF RECORD: March 1939 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 264.06 ft (80.486 m) above mean sea level, datum of 1929. Prior to Oct. 27, 1945, nonrecording gage at present site and datum.

AVERAGE DISCHARGE: 37 years, 535,854 ac-ft/yr (660.7 hm³/yr).

EXTREMES: Period of record (1939-75): Maximum discharge, 45,500 ft³/s (1,290 m³/s) Apr. 2, 1945 (gage height, 22.07 ft or 6.727 m); no flow Oct. 3-5, 1939.

Flood in May 1908, stage 24.3 ft (7.41 m), was the highest since the flood in May 1884 which was probably higher.

REMARKS: Records good. There is some regulation by Lake Palestine (station 08031400) located 11 mi (18 km) upstream and Lake Athens (station 08031290) located 50 mi (80 km) upstream. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1939	-	-	58810	22210	22400	8880	2530	547	146	134	1190	4240	-
1940	6730	14320	8380	22060	16110	11040	17770	3140	3840	1750	97850	132100	335090
1941	109800	57010	97550	63030	41400	139000	37540	4620	4840	20980	26020	57050	658840
1942	40580	48540	43800	199600	98720	80890	8590	8090	24410	7750	15150	23130	599250
1943	72650	22840	31630	42630	72110	99210	8150	1060	1370	38740	9750	24240	424380
1944	109500	137100	162600	52100	314000	48610	4720	2190	4270	2370	11820	64570	913850
1945	149500	83510	250800	431300	33630	34360	75940	7400	6160	60860	29960	55030	1218450
1946	164900	135900	151300	82300	173800	171400	19830	27130	54720	26460	226100	107700	1341540
1947	118600	58960	126200	146300	55600	29760	8040	2530	4890	3860	13660	62000	630400
1948	54490	124300	112800	38670	96620	10980	6590	1110	922	1410	6480	10000	464372
1949	35160	56080	80320	91590	21970	12440	4450	3940	3180	31010	29720	20400	390260
1950	103900	206600	47390	55920	108300	60670	9670	4440	6010	4130	8380	9380	624790
1951	15430	36210	42950	30430	23000	17680	4510	894	1710	1760	5870	12910	193354
1952	17960	42550	50780	95220	49970	24030	2340	647	353	440	4100	26240	314630
1953	39840	21870	96000	25480	217000	7710	7070	2600	2550	1480	6980	32700	461280
1954	27280	21810	21550	24190	92230	5320	689	223	710	8800	58660	35480	296303
1955	37840	63750	86020	83320	35840	14350	5460	2290	5600	3870	2280	6880	347500
1956	12290	33690	12630	7500	80530	1860	703	195	221	304	1620	2520	154063
1957	4580	17550	24090	223200	223700	151500	4810	3260	2990	42910	122600	58200	879390
1958	80220	57050	48190	53460	261500	16840	40360	3490	13510	13690	15460	21040	624810
1959	21060	54720	54040	96170	210000	50430	24050	11420	5120	13290	16750	62770	619820
1960	135400	75390	103500	31470	18460	12490	20490	4820	4910	17080	29570	225500	679080
1961	201800	148200	143000	64790	21980	30380	19540	5760	7330	6770	16180	51410	717140
1962	44190	56030	81580	41100	67870	28300	10650	12570	10090	10000	11850	24760	398990
1963	25330	19980	28900	17830	56100	9610	2180	1530	1530	787	953	6860	171590
1964	9790	16910	28700	18870	9370	6950	770	596	498	1010	4420	6880	104764
1965	19210	41180	43730	32680	108300	44770	3950	1360	1310	1500	2380	5370	305740
1966	9400	25410	8700	247700	208400	18220	7090	4700	15490	6410	8720	16530	576770
1967	20120	14430	14760	37400	33170	39110	5170	2530	3740	3260	9890	26090	209670
1968	88700	72180	95580	120200	325200	66590	46820	11320	15870	16630	26650	70470	956210
1969	41380	57050	140500	178100	133200	51040	6260	2340	2930	3150	34690	51240	701880
1970	57560	56260	113000	62400	36330	5890	2110	1230	3530	12300	64520	21660	436790
1971	20820	16150	17510	5090	5400	1410	1530	2250	1920	2250	4640	13640	92610
1972	26040	10400	5660	3580	2660	2330	1270	1570	2800	6790	10610	12020	85730
1973	20000	32130	139700	223600	99300	245700	31290	16480	78140	126900	92030	134400	1239670
1974	124100	101400	72420	42060	56100	33370	5270	4070	55870	34960	152300	114800	796720
1975	85610	142900	67580	71650	110900	79260	22600	5270	5530	8680	8470	10970	619420
MAX	201800	206600	250800	431300	325200	245700	75940	27130	78140	126900	226100	225500	1341540
MIN	4580	10400	5660	3580	2660	1410	689	195	710	134	953	2520	85730
MEAN	59771	60566	73315	83384	95707	45199	12995	4584	9686	14716	32115	43816	535854
NO.	36	36	37	37	37	37	37	37	37	37	37	37	36
DISTR													
OF MEAN	11.2%	11.3%	13.7%	15.6%	17.9%	8.4%	2.4%	.9%	1.8%	2.7%	6.0%	8.2%	100%

NECHES RIVER BASIN

08032500 Neches River near Alto, Texas

LOCATION: Lat 31°34'45", long 95°09'55", Houston-Cherokee County line, at the bridge on State Highway 21, 600 ft (180 m) downstream from Bowles Creek, and 7.5 mi (12.1 km) southwest of Alto.

DRAINAGE AREA: 1,945 mi² (5,038 km²).

PERIOD OF RECORD: January 1944 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 198.29 ft (60.439 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 32 years, 862,126 ac-ft/yr (1,063.0 hm³/yr).

EXTREMES: Period of record (1944-75): Maximum discharge, 42,800 ft³/s (1,210 m³/s) Apr. 4, 1945 (gage height, 26.85 ft or 8.184 m); minimum, 0.1 ft³/s (0.003 m³/s) Sept. 27, 28, 1954.

Maximum stage since at least 1861, 28.2 ft (8.60 m) in May 1884, from information by local residents (discharge, about 50,000 ft³/s or 1,420 m³/s).

REMARKS: Records good. The flow is partly regulated since 1962 by Lake Athens (station 08031290) and Lake Palestine (station 08031400); some minor regulation by Lake Jacksonville since 1957.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1944	150200	198200	252400	143700	624600	104500	127100	5870	11310	5660	32360	109400	1650910
1945	308400	129700	300500	619800	84050	47640	141000	20420	13290	114800	52600	94620	1926820
1946	231500	252700	245400	159000	242800	202200	49410	12940	79480	40850	286100	178900	1981280
1947	183100	109400	256200	200800	184000	80710	22060	7240	8480	7140	20520	71330	1150980
1948	85200	165400	144800	78360	115400	22100	12740	2320	1980	2380	10250	20570	661500
1949	62930	94490	97810	136100	37590	19360	8770	8920	5790	43200	44600	36760	596320
1950	137800	254600	88980	73060	188600	113800	20860	8690	9160	7220	11170	15090	929030
1951	24060	41990	64700	51700	30310	23250	7160	1240	3390	2990	8370	20860	280020
1952	24400	63340	91850	114100	119200	47310	5630	1560	449	510	4400	28390	501139
1953	51980	37400	178100	49090	395000	32310	8980	5290	4360	2210	8930	48870	822520
1954	40890	36930	32530	33080	99870	14440	1680	395	65.0	5010	52110	47190	364190
1955	53730	99890	76530	137500	52730	31000	7650	5880	5550	5900	2830	8760	487950
1956	14340	42750	22980	19100	97800	5110	1150	279	137	108	1720	2790	208264
1957	6010	21130	30220	238400	411500	215400	11740	13720	4490	113900	179900	105100	1351510
1958	133700	122300	81940	73640	291100	28460	44830	7990	55890	30700	22700	32470	925720
1959	31280	77390	81400	132700	305100	118300	39850	25730	10410	19200	33580	101100	976040
1960	207700	129500	169400	56680	34060	25860	24280	10140	9620	27420	60890	357500	1113050
1961	351100	236300	275100	157400	38920	97650	48530	13440	20130	13490	28530	109900	1390490
1962	96210	107100	126200	77020	140100	67100	27320	13150	18080	14610	17340	35900	740130
1963	40920	35540	43730	35920	46990	18690	7830	2710	2440	1960	3050	10460	250240
1964	15260	23070	42160	29990	21920	16700	1470	1250	1640	2200	5670	9700	171030
1965	20780	45920	65960	77800	246500	82910	8580	5130	5110	5340	8360	27570	599960
1966	32940	59670	34460	230400	462000	42470	11540	12700	21300	10780	11820	19650	949730
1967	29000	20770	21460	49800	45480	45120	9630	3830	6060	4260	10680	22330	268420
1968	126900	87770	132400	209300	341300	126200	81060	16710	32180	24230	45840	145300	1369190
1969	76730	99220	281200	345600	263900	62180	11870	2520	4700	5370	41980	69140	1264410
1970	82300	72420	163100	116700	55640	9250	3230	1350	5850	11910	62150	26750	610650
1971	24910	21010	28260	12460	26370	3390	1510	3760	3050	3760	6610	27560	162650
1972	51210	24590	17340	10370	5670	4850	5550	2450	2210	9660	25170	27220	186290
1973	49890	56810	159500	262300	183300	242000	41550	19800	81500	206100	107100	216200	1626050
1974	232300	175900	115400	60280	70920	39960	7760	6260	66950	37350	169900	153700	1136680
1975	123900	213000	97630	104000	175900	111700	46280	9570	7190	12340	15000	18360	934870
MAX	351100	254600	300500	619800	624600	242000	141000	25730	81500	206100	286100	357500	1981280
MIN	6010	20770	17340	10370	5670	3390	1150	279	65.0	108	1720	2790	162650
MEAN	96924	98631	119364	128005	169957	65685	22944	7914	15695	24767	43507	68733	862126
NO.	32	32	32	32	32	32	32	32	32	32	32	32	32
DISTR													
OF MEAN	11.2%	11.4%	13.8%	14.8%	19.7%	7.6%	2.7%	.9%	1.8%	2.9%	5.0%	8.0%	100%

NECHES RIVER BASIN

08033000 Neches River near Diboll, Texas

LOCATION: Lat 31°07'58", long 94°48'35", Angelina-Polk County line, at the bridge on U.S. Highway 59, 700 ft (210 m) downstream from the Texas and New Orleans Railroad Co. bridge, 2.9 mi (4.7 km) downstream from Alabama Creek, and 3.8 mi (6.1 km) south of Diboll.

DRAINAGE AREA: 2,724 mi² (7,055 km²).

PERIOD OF RECORD: October 1923 to September 1925, April 1939 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 134.46 ft (40.983 m) above mean sea level, datum of 1929. Prior to July 10, 1925, nonrecording gage at site 630 ft (192 m) upstream; July 10 to Aug. 31, 1925, and Mar. 30, 1939 to Sept. 24, 1943, nonrecording gage at site 500 ft (150 m) upstream; Sept. 25, 1943 to Aug. 16, 1973, nonrecording gage at site 70 ft (21 m) upstream; all at present datum.

AVERAGE DISCHARGE: 40 years (1923-25, 1939-75), 1,173,850 ac-ft/yr (1,447.4 hm³/yr).

EXTREMES: Period of record (1923-25, 1939-75): Maximum discharge, 49,900 ft³/s (1,410 m³/s) May 4, 1944 (gage height, 18.70 ft or 5.700 m); no flow Aug. 15-22, 1925.

Maximum stage since at least 1874, 21 ft (6.4 m) in May 1884 (discharge, about 110,000 ft³/s or 3,120 m³/s).

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	13500	17900	24800	-
1924	263000	239000	364000	216000	132000	270000	15400	3010	4380	5680	5260	17900	1535630
1925	37900	24800	24000	16400	11900	2970	934	396	595	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	-	-
1939	-	-	-	56670	35040	30650	5250	2120	845	330	2230	91720	-
1940	25300	172200	32310	60800	100000	94090	79700	7460	10190	3780	258900	535500	1380230
1941	363900	221800	331700	138800	149600	204200	175900	13970	18460	51740	275600	154100	2099770
1942	132900	111100	117800	300300	299100	170200	60770	16610	45460	13740	22280	35820	1326080
1943	126500	55520	44930	62630	61960	107700	20410	5610	2080	17390	30270	38870	573870
1944	199000	264000	357100	198500	1042000	199000	15560	5970	24580	7140	37090	200100	2550040
1945	541500	208700	376500	785000	141300	52910	126900	47210	13100	111500	64680	107000	2576300
1946	351800	478800	444400	256300	348400	335100	70710	14140	82920	43260	373100	255800	3054730
1947	359500	178300	356400	217300	246300	126200	32730	8750	8480	7990	19460	76880	1638290
1948	100700	252600	225300	144200	116600	55430	14620	2980	2270	2210	11170	20610	948690
1949	78160	129800	158600	174700	74290	21840	9800	13560	11770	84090	62480	86970	906060
1950	244500	390000	172800	90050	261300	256800	30320	10990	10090	8550	11080	17880	1504360
1951	27800	43740	80930	67000	31750	22960	9420	1810	3420	3910	7960	23260	323960
1952	27180	69520	138700	146000	184200	68360	8030	2650	553	417	7060	33730	686400
1953	58890	66950	229400	117000	615600	99260	25900	9100	7980	2340	8600	55870	1296890
1954	50240	46150	36640	35730	123700	49290	1760	809	178	2600	42580	42050	431727
1955	54300	130600	100800	172400	90320	53780	8710	9180	5700	7260	2740	8530	644320
1956	14510	61440	24890	39780	104900	9090	1820	396	187	167	1490	2700	261370
1957	5790	18920	33070	157200	620000	235400	23430	17030	5360	164500	297700	182200	1760600
1958	234100	149700	119300	75250	366700	31390	45300	8790	99840	58770	22000	32730	1243870
1959	32120	91740	111700	165800	277900	181600	55970	38670	12240	21710	50780	99550	1139780
1960	216700	205100	221200	75990	61380	34350	35690	20250	11030	27960	72060	470300	1452010
1961	483400	304300	307600	243700	52750	67880	87400	16600	30350	14800	29390	148900	1787070
1962	122100	140000	134100	85630	255900	66220	30040	14430	19360	12870	15510	42470	938630
1963	56810	50190	62230	55600	40900	23090	8690	3430	2500	1820	3060	11110	319430
1964	17990	25040	61550	85670	48220	24480	2340	1420	1730	2200	5110	11240	286990
1965	21090	49770	70100	124400	179100	151600	12990	6730	10180	7130	10770	81950	725810
1966	70050	121700	49570	105400	631900	64660	13170	20570	20510	14240	10440	17910	1140120
1967	28870	24650	23620	61780	55880	55120	15920	4070	5400	3670	8360	19410	306750
1968	141400	97960	145900	332700	334400	219400	127100	23070	45860	28120	43200	193000	1732110
1969	115300	160000	394200	476700	390800	76630	16420	2790	4750	4760	27770	66760	1736880
1970	84740	73530	166200	120700	77620	11820	3730	1610	4370	15000	55090	31830	646240
1971	33210	22190	34170	15750	27110	5390	2430	4540	3580	4990	8200	35170	196730
1972	64230	44950	32360	21170	24240	9700	11420	3820	1830	13900	53150	68260	349030

NECHES RIVER BASIN

08033000 Neches River near Diboll, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1973	144000	92830	214700	307000	282900	335900	82220	24340	93830	252400	197000	304700	2331820
1974	399500	256400	141200	76670	74660	50250	12120	8270	70550	57010	196200	204100	1546930
1975	187300	315100	145700	133000	234500	148600	80850	14580	8480	13250	25400	20600	1327360
MAX	541500	478800	444400	785000	1042000	335900	175900	47210	99840	252400	373100	535500	3054730
MIN	5790	18920	23620	15750	11900	2970	934	396	178	167	1490	2700	196730
MEAN	145165	141818	160149	154299	210439	103162	35433	10557	18077	28377	61362	105012	1173850
NO.	38	38	38	39	39	39	39	39	39	39	39	39	37
DISTR													
OF MEAN	12.4%	12.1%	13.6%	13.1%	17.9%	8.8%	3.0%	.9%	1.5%	2.4%	5.2%	8.9%	100%

NECHES RIVER BASIN
08033300 Piney Creek near Groveton, Texas

LOCATION: Lat 31°08'25", long 95°05'11", Trinity County, at the bridge on State Highway 94, 6.3 mi (10.1 km) northeast of Groveton, and 7.3 mi (11.7 km) upstream from Caney Creek.

DRAINAGE AREA: 79.0 mi² (204.6 km²).

PERIOD OF RECORD: October 1961 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 251.40 ft (76.627 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 15 years, 23,046 ac-ft/yr (28.4 hm³/yr).

EXTREMES: Period of record (1961-75): Maximum discharge, 5,890 ft³/s (167 m³/s) Mar. 24, 1973 (gage height, 15.43 ft or 4.703 m); no flow at times.

Maximum stage since at least 1921, 17 ft (5.2 m) in May 1942, from information by local residents.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1961	-	-	-	-	-	-	-	-	-	11.0	33.0	39.0	-
1962	523.0	915	249	877	565.0	59.0	9.1	9.1	1.20	0	20.4	14.10	1461.3
1963	818	2100	884	2830	51.0	7.50	23.0	0	0	0	0	59.0	6773
1964	206	124	806	5300	381	78.0	0	0	0	0	0	0	6895
1965	644	832	1600	344	676	92.0	3.00	.20	34.1	0	34.0	528.0	9846
1966	444.0	563.0	554	778.0	285.0	11.0	27.0	212.0	19.0	117	6.20	17.0	2357.1
1967	21.0	186	56.0	845	260	944	22.0	1.00	.06	0	0	64.0	2399
1968	382.0	327	735	1349.0	418.0	1326.0	748	7.40	135	0	452	31.60	40314
1969	755	890.0	1631.0	1496.0	1704.0	68.0	16.0	1.00	0	.06	2.40	1.00	5805.3
1970	15.0	229	155.0	895	345	1.40	1.00	0	.10	463	2.40	.20	3502
1971	.40	0	.10	.20	7.90	36.0	0	.20	.10	0	0	14.0	58.9
1972	585	124	132	67.0	49.0	0	0	0	0	1300	1790	361.0	7657
1973	1004.0	220.0	1477.0	754.0	881	1274.0	1020	77.0	341.0	10480	5780	847.0	77408
1974	2137.0	1170	258	293	152	122	0	51.0	171.0	446	389.0	221.0	3167.2
1975	364.0	1446.0	184.0	148.0	1125.0	316.0	121.0	587	5.80	718	1000	208	39559
MAX	2137.0	1446.0	1631.0	1496.0	1704.0	1326.0	1210	2120	3410	10480	5780	8470	77408
MIN	.40	0	.10	.20	7.90	0	0	0	0	0	0	0	58.9
MEAN	3685	2657	2839	4050	3127	2184	220	204	402	902	880	1896	23046
NO.	14	14	14	14	14	14	14	14	14	15	15	15	14
DISTR OF MEAN	16.0%	11.5%	12.3%	17.6%	13.6%	9.5%	1.0%	.9%	1.7%	3.9%	3.8%	8.2%	100%

NECHES RIVER BASIN

08033500 Neches River near Rockland, Texas

LOCATION: Lat 31°01'29", Long 94°23'55", Tyler County, at the bridge on U.S. Highway 69, 2,200 ft (671 m) upstream from an abandoned ferry crossing, 0.8 mi (1.3 km) upstream from the Texas and New Orleans Railway Co. bridge, 1.2 mi (1.9 km) north of Rockland, 3.2 mi (5.1 km) downstream from Williams Creek, and 32.4 mi (52.1 km) upstream from the Angelina River.

DRAINAGE AREA: 3,636 mi² (9,417 km²).

PERIOD OF RECORD: July 1903 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 91.41 ft (27.862 m) above mean sea level, datum of 1929. Prior to May 23, 1973, nonrecording gage located 2,200 ft (671 m) downstream at same datum.

AVERAGE DISCHARGE: 73 years, 1,650,340 ac-ft/yr (2,034.9 hm³/yr).

EXTREMES: Period of record (1903-75): Maximum discharge, 49,800 ft³/s (1,410 m³/s) May 6, 1944 (gage height, 32.04 ft of 9.766 m, present site); minimum observed during period of daily records, 1.6 ft³/s (0.045 m³/s) Sept. 28 to October 2, 1956.

Historical flood information begins with the flood in May 1884 which reached a stage of 35.0 ft (10.67 m), present site, from information by a local resident (discharge, about 62,000 ft³/s or 1,760 m³/s).

REMARKS: Records fair. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1903	-	-	-	-	-	-	52800	77500	10000	20500	10100	27800	-
1904	27000	68000	72600	80300	234000	20400	22200	15900	6310	2870	1620	45700	596900
1905	93500	183000	346000	453000	848000	226000	410000	150000	12000	11600	111000	162000	3006100
1906	411000	182000	152000	129000	130000	67800	76200	52600	23900	82400	19500	70700	1397100
1907	182000	74400	111000	64900	612000	332000	28900	13000	17400	25900	449000	538000	2448500
1908	267000	519000	319000	277000	633000	186000	26300	16700	34800	29800	22700	29500	2360800
1909	41300	60000	65200	40500	53100	79700	13600	4570	1730	8850	3390	33300	405240
1910	36500	153000	115000	163000	125000	87500	16400	4120	2800	1780	714	6210	712024
1911	18400	22200	42400	251000	254000	8930	41400	23100	5950	3690	11500	247000	929570
1912	275000	75900	309000	415000	232000	45000	32600	20300	14900	4300	2980	23700	1450680
1913	21700	85500	311000	178000	56200	27800	28800	16200	60700	91600	27200	256000	1160700
1914	141000	78900	265000	365000	646000	297000	33800	38400	28200	15400	62500	209000	2180200
1915	204000	242000	225000	164000	442000	30300	41800	221000	45500	22700	64900	103000	1806200
1916	227000	145000	78700	104000	615000	129000	47700	27500	16700	13400	25500	50100	1479600
1917	41300	70000	34800	55800	45600	36500	21000	14600	8390	6950	6490	28000	369430
1918	16900	24200	22300	55000	78100	16200	9530	11300	8870	8420	59300	70700	382820
1919	219000	267000	180000	154000	200000	219000	337000	39700	21500	180000	415000	261000	2493200
1920	601000	401000	231000	121000	68900	50500	13700	51900	40600	13700	55500	142000	1790800
1921	304000	180000	274000	586000	465000	82100	402000	21200	11900	6010	7320	22300	2361830
1922	65800	198000	507000	1110000	910000	135000	36200	16200	5590	2930	26200	22300	3037220
1923	73200	283000	410000	839000	295000	42400	13500	3390	31700	24600	55600	573000	2644390
1924	414000	366000	589000	283000	266000	441000	19200	4040	3520	5480	4390	12700	2408330
1925	53800	30100	23700	13900	12400	4520	1760	605	934	77700	476000	72500	767919
1926	250000	91200	374000	580000	279000	155000	100000	50100	13700	9850	24600	165000	2092450
1927	297000	238000	506000	464000	254000	99500	101000	20400	3990	17600	14100	36900	2052490
1928	40900	43900	180000	125000	61200	58000	23200	14400	2870	2450	20300	43200	615420
1929	137000	154000	186000	118000	582000	553000	41600	5860	5640	2850	41900	54000	1881850
1930	239000	324000	197000	92800	181000	208000	9410	3600	7020	56900	40900	230000	1589630
1931	259000	254000	257000	145000	204000	22400	9350	7810	3890	873	10500	208000	1381823
1932	719000	805000	514000	156000	84200	30800	16000	6060	10500	5920	6720	50700	2404900
1933	151000	262000	314000	286000	152000	58700	71300	17200	20400	5280	7080	18900	1363860
1934	210000	307000	445000	419000	118000	15300	3810	1490	1770	3700	25760	165200	1716030
1935	180500	174000	168000	168800	1240000	297700	49150	18110	18990	10250	62300	276900	2664700
1936	102900	74330	72540	37130	108500	96350	175700	15930	7770	5160	11210	53010	760530
1937	300200	178000	173400	153700	24280	13650	4990	2780	8040	13350	35360	98810	1006560
1938	209700	187800	187900	435400	174200	28110	13840	11990	2840	1450	8540	17030	1278800
1939	160300	241600	235800	85140	43230	48060	8660	3290	1280	998	3340	122000	953698
1940	80780	304400	45290	132300	131300	154000	94920	13920	14340	5330	268200	895400	2140180
1941	510900	313000	481200	210800	287200	320900	217600	23330	44510	110500	499000	209600	3228540
1942	170400	155400	199600	378400	361000	217600	82660	84660	53570	18860	32300	41890	1796340
1943	201900	75200	66870	73990	65970	110900	40170	17050	3420	16380	34590	39370	745810
1944	237800	341500	424900	296800	1471000	297600	23260	8130	38420	8570	40300	273700	3461980
1945	688400	392100	431700	1093000	219300	62200	108600	66420	16750	116100	63570	135600	3413740
1946	442700	782800	531900	336900	421100	458900	117100	25800	82440	59510	564900	344700	4168750
1947	648700	225400	516400	242400	375300	212400	47230	10040	8540	8510	25560	91790	2412270
1948	106700	320400	265100	203500	125300	77970	17880	4110	3560	2310	16300	23000	1166130
1949	114900	198000	327000	259600	140200	46730	13430	16540	12860	140700	89900	208100	1569960
1950	510600	545600	320000	105600	342000	497400	39430	13870	11240	11460	11700	18890	2427810
1951	29740	46600	94600	98550	38330	24180	12950	2520	4500	5380	7910	22830	388090
1952	29350	80660	161400	199200	283800	91660	9330	3550	920	594	7530	46870	914864

NECHES RIVER BASIN

08033500 Neches River near Rockland, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1953	81800	115900	265500	182300	1080000	192700	39220	12640	9750	3080	8690	65670	2057250
1954	77940	52090	39870	55800	169600	59810	3600	1520	482	1130	47650	49340	558832
1955	66200	182200	119800	317400	94110	67030	10430	10880	5770	8430	2670	9050	893970
1956	15490	78890	37010	71540	91670	15280	2890	673	298	208	1690	3690	319329
1957	6460	18930	67000	136300	875300	239800	39570	19470	7650	152500	464600	304800	2332380
1958	395100	220300	163200	100800	422500	44390	53440	12630	96960	94670	28380	39630	1672000
1959	35670	128100	124500	285100	279900	204600	72700	58140	13890	30350	57970	140200	1431120
1960	274100	288900	316600	91810	78240	52710	50090	27530	13020	33100	87210	538400	1851710
1961	757100	400200	438500	320800	60970	49730	127200	23670	84680	20570	33440	199800	2516660
1962	173500	186400	159500	110100	365000	76330	37760	15090	21550	13970	17780	70940	1247920
1963	95380	86480	91840	76960	42760	29070	13680	3780	5330	2250	4320	17570	469420
1964	33120	39190	151400	157400	140900	33640	4580	2100	2560	2660	3910	15290	586750
1965	21790	75400	87000	142200	131900	200300	14570	6580	22390	7990	11460	164900	886480
1966	124600	298600	77440	79640	755600	84990	16120	25960	21850	20390	11010	20590	1536790
1967	33670	29010	29200	84080	83040	66290	17760	4620	5680	4230	8120	20950	386850
1968	157600	114100	175200	548200	379800	326600	227300	32670	48690	28680	45000	236700	2320540
1969	144100	199300	587100	619100	782600	129200	21650	3700	5430	5240	24350	69480	2591250
1970	89890	81010	180000	148200	112400	15860	5510	2250	5070	26880	49820	30700	747590
1971	29920	20450	33700	16770	28840	6080	2640	4910	4200	11120	8350	71040	238020
1972	98820	78890	75320	46420	82520	11390	12340	5650	5480	11680	58420	90340	577270
1973	244400	154900	303600	533700	380800	610100	137800	35900	127800	297100	365500	479900	3671500
1974	707100	411100	167800	102600	82120	56620	13180	9000	81440	65500	304400	319500	2320360
1975	323700	436900	186500	183100	370100	179700	114300	34310	11900	27290	49610	50010	1967420
MAX	757100	805000	589000	1110000	1471000	610100	410000	221000	127800	297100	564900	895400	4168750
MIN	6460	18930	22300	13900	12400	4520	1760	605	298	208	714	3690	238020
MEAN	204878	201685	225526	239024	303880	133026	57771	22856	19448	29732	76810	135704	1650340
NO.	72	72	72	72	72	72	73	73	73	73	73	73	72
DISTR OF MEAN	12.4%	12.2%	13.7%	14.5%	18.4%	8.1%	3.5%	1.4%	1.2%	1.8%	4.7%	8.2%	100%

NECHES RIVER BASIN

08033700 Striker Creek near Summerfield, Texas

LOCATION: Lat 32°00'10", long 94°59'35", Cherokee County, at the bridge on U.S. Highway 79, 3.5 mi (5.6 km) downstream from Johnson Creek, and 6.5 mi (10.4 km) northeast of Summerfield.

DRAINAGE AREA: 148 mi² (383.3 km²).

PERIOD OF RECORD: October 1940 to September 1949.

GAGE: Wire-weight gage. Datum of gage is 287.0 ft (87.5 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 10 years, 145,068 ac-ft/yr (178.9 hm³/yr).

EXTREMES: Period of record (1940-49): Maximum discharge, 10,800 ft³/s (305.8 m³/s) November 24, 1940 (gage height, 17.23 ft or 5.2 m, from floodmark); minimum observed 0.7 ft³/s (0.02 m³/s) August 31 and September 1, 1943.

REMARKS: Records poor. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1940	-	-	-	-	-	-	-	-	-	367	49650	31660	-
1941	17710	15150	15490	14300	9320	5470	5680	1930	9350	20340	26480	15590	156810
1942	7950	9620	8800	21720	7280	17350	2540	10420	10380	2980	5340	10220	114600
1943	8950	4850	5050	5460	1950	1800	1340	180	202	2580	2770	6300	41432
1944	23230	32110	23250	12230	63700	6810	749	658	2760	918	9630	25780	201825
1945	31940	14660	34040	29450	8490	15660	35680	1420	2030	29320	4990	9870	217550
1946	29170	30420	22000	7650	38170	24640	3320	8520	4350	3470	32990	13730	218430
1947	22210	10890	22400	22260	24310	4140	1580	637	1950	1100	4070	13770	129317
1948	14480	23180	13630	9420	13050	1540	1240	207	268	483	3440	3650	84588
1949	13040	9870	7800	12370	5650	2870	3160	2750	1880	-	-	-	-
MAX	31940	32110	34040	29450	63700	24640	35680	10420	10380	29320	49650	31660	218430
MIN	7950	4850	5050	5460	1950	1540	749	180	202	367	2770	3650	41432
MEAN	18742	16750	16940	14984	19102	8920	6143	2969	3686	6840	15484	14508	145068
NO.	9	9	9	9	9	9	9	9	9	9	9	9	8
DISTR													
OF MEAN	12.9%	11.5%	11.7%	10.3%	13.2%	6.1%	4.2%	2.0%	2.5%	4.7%	10.7%	10.0%	100%

NECHES RIVER BASIN

08033900 East Fork Angelina River near Cushing, Texas

LOCATION: Lat 31°51'36", long 94°49'23", Rusk County, at the bridge on Farm Road 225, 0.1 mi (0.2 km) downstream from Everett Branch, 0.9 mi (1.4 km) upstream from Reagan Branch, 3.5 mi (5.6 km) north of Cushing, and 8 mi (13 km) upstream from the Angelina River.

DRAINAGE AREA: 158 mi² (409 km²).

PERIOD OF RECORD: January 1964 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 275.29 ft (83.908 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 12 years, 72,444 ac-ft/yr (89.3 hm³/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 11,100 ft³/s (314 m³/s) July 23, 1968 (gage height, 11.66 ft or 3.554 m); minimum, 0.7 ft³/s (0.020 m³/s) Aug. 14, 1964.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	2870	2750	7470	5130	2100	1230	222	239	441	376	675	1190	24693
1965	1730	6840	18760	8000	9850	2410	487	427	1090	541	871	4050	55056
1966	3820	6410	3090	25340	21830	2020	910	2200	1130	858	928	1800	70336
1967	1800	1700	2020	2820	1660	2290	769	185	223	212	489	1320	15488
1968	11790	3250	5030	25000	20080	4130	14570	1830	5270	3350	5510	20180	119990
1969	6720	15270	34760	26410	19340	2350	846	436	733	877	2620	3820	114182
1970	5660	6540	9770	5410	1840	900	558	489	635	1560	2020	1610	36992
1971	1790	2730	2760	3190	12290	879	510	637	573	605	947	4360	31271
1972	9040	4250	3110	1950	991	787	777	426	494	2210	6010	9680	39725
1973	18920	8950	14780	22250	5790	11120	9230	3210	13430	13690	9030	21800	152200
1974	37800	11420	8000	4510	4140	1960	1140	792	6000	5390	14380	10760	106292
1975	13700	24000	9110	8670	18400	11770	4000	2300	1320	1870	3840	4110	103090
MAX	37800	24000	34760	26410	21830	11770	14570	3210	13430	13690	14380	21800	152200
MIN	1730	1700	2020	1950	991	787	222	185	223	212	489	1190	15488
MEAN	9637	7843	9888	11557	9859	3487	2835	1098	2612	2628	3943	7057	72444
NO.	12	12	12	12	12	12	12	12	12	12	12	12	12
DISTR													
OF MEAN	13.3%	10.8%	13.6%	16.0%	13.6%	4.8%	3.9%	1.5%	3.6%	3.6%	5.4%	9.7%	100%

NECHES RIVER BASIN

08034000 Lake Tyler near Whitehouse, Texas

LOCATION: Lat 32°14'30", long 96°10'33", Smith County, at the City of Tyler pumphouse, 2.0 mi (3.2 km) north of Whitehouse Dam on Prairie Creek, 3.0 mi (4.8 km) northwest of Mud Creek Dam on Mud Creek, and 3.2 mi (5.1 km) northeast of Whitehouse.

DRAINAGE AREA: 107 mi² (277 km²).

PERIOD OF RECORD: March 1949 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to May 3, 1949, nonrecording gage at dam. May 3, 1949 to July 11, 1951, non-recording gage at the pumphouse. July 12, 1951 to Feb. 1, 1968, water-stage recorder at the intake tower in the lake, 660 ft (201 m) south of the pumphouse. All gages at same datum.

EXTREMES: Period of record (1949-75): Maximum contents, 87,340 ac-ft (107.7 hm³) Feb. 3, 1975 (elevation, 376.71 ft or 114.821 m); maximum elevation, 378.3 ft (115.31 m) Apr. 24, 1966, prior to joining of the lakes; minimum contents since joining of the lakes, 65,300 ac-ft (80.5 hm³). Nov. 17, 1971 (elevation, 371.96 ft or 113.373 m).

REMARKS: Originally, Lake Tyler was formed by Whitehouse Dam. Deliberate impoundment began on Jan. 8, 1949 and the dam was completed on May 13, 1949. The construction of Mud Creek Dam began on Feb. 11, 1966, with deliberate impoundment beginning on Nov. 22, 1966, and final completion of the dam in January 1967. Whitehouse Dam is a rolled earthfill dam 4,708 ft (1,435 m) long, with an uncontrolled concrete spillway 200 ft (61 m) wide located 800 ft (240 m) from the left end of the dam. Mud Creek Dam is a rolled earthfill dam 4,700 ft (1,400 m) long, with an uncontrolled concrete spillway 300 ft (90 m) wide located near the center of the dam. On May 29, 1968, the lakes were joined through an interconnecting canal. The combined capacity of the two lakes is 80,900 ac-ft (99.7 hm³). A 20-inch (508-millimeter) conduit through the embankment of Mud Creek Dam serves as a low-flow service outlet. The dam is owned and operated by the City of Tyler.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1949	-	-	9360	11700	12940	12940	13060	12700	12700	14500	14760	15800
1950	20040	26680	28600	30200	36700	38460	38460	38020	38460	38020	38020	38240
1951	39340	41540	43400	43160	41760	41760	40660	39120	39340	39120	39560	40220
1952	41760	43400	43400	43400	43400	41980	40880	38900	36920	35600	36480	38020
1953	38900	40000	43160	43640	43160	41760	41540	41100	40220	39120	40220	42200
1954	43400	43160	43160	43160	43160	41760	39560	37580	35600	36260	37140	38240
1955	39560	42200	43400	43160	43400	41980	41320	40880	40220	38900	38020	38020
1956	38460	40440	40440	40000	42200	41100	39120	37580	35600	34280	34060	33840
1957	33840	34720	36040	45080	43640	43160	41980	40880	40440	43400	43640	43640
1958	43400	43400	43400	45080	43160	43160	42440	41320	43400	42920	42920	42920
1959	42920	43160	43160	43160	43400	42920	43160	41980	41320	41320	41540	43640
1960	43400	43640	43400	43160	42200	42680	41760	40880	40880	40880	42200	43880
1961	43400	43640	43880	43400	42680	43400	42440	41540	41980	41320	43160	43160
1962	43640	43640	43400	44360	42680	43160	42440	40660	40880	40880	41760	42440
1963	42920	43400	42920	42680	42200	41320	40220	38900	37580	35820	35160	35160
1964	35160	35380	36480	36260	35380	34280	32200	30800	30000	29200	29400	30200
1965	32400	36040	37360	37800	43160	42440	40440	38900	38020	37140	36920	37580
1966	38020	39120	39120	45080	43400	41980	40000	39340	39120	38460	38240	38460
1967	38680	38460	38240	40660	41540	39780	38900	36480	35380	34060	33400	34280
1968	37800	39780	41980	43400	81390	81680	79810	77110	78620	77720	80900	81140
1969	80900	81770	81820	82120	81140	78330	73830	70180	68320	67580	72650	80040
1970	81050	82020	81340	81490	79520	77720	74100	70400	69380	74420	74510	76360
1971	76250	78710	78710	79050	78520	75430	71700	69470	68370	66720	66200	70000
1972	76590	77820	78900	77770	75710	73420	71070	68590	67720	70310	72510	77110
1973	82310	81530	81820	82120	80560	81140	81240	78660	80900	81770	81870	81240
1974	82210	81630	81240	80800	80660	79380	76640	74610	81140	84910	81410	81990
1975	82080	81510	81410	82470	81650	81020	79050	76970	74510	73690	74100	75730
MAX	82310	82020	81820	82470	81650	81680	81240	78660	81140	84910	81870	81990
MIN	20040	26680	9360	11700	12940	12940	13060	12700	12700	14500	14760	15800
MEAN	49940	51030	49983	50902	52197	51413	49927	48280	48038	48086	48546	49761
NO.	26	26	27	27	27	27	27	27	27	27	27	27
DISTR OF MEAN	8.3%	8.5%	8.4%	8.5%	8.7%	8.6%	8.3%	8.1%	8.0%	8.0%	8.1%	8.3%

NECHES RIVER BASIN
08034500 Mud Creek near Jacksonville, Texas

LOCATION: Lat 31°58'35", long 95°09'38", Cherokee County, at the bridge on U.S. Highway 79, 0.6 mi (1.0 km) downstream from Caney Creek, 4 mi (6 km) downstream from the Missouri-Pacific Railroad Co. bridge, 6.9 mi (11.1 km) east of Jacksonville, and 25.9 mi (41.7 km) upstream from the mouth.

DRAINAGE AREA: 376 mi² (974 km²).

PERIOD OF RECORD: May 1939 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 271.64 ft (82.796 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 37 years, 186,950 ac-ft/yr (230.5 hm³/yr).

EXTREMES: Period of record (1939-75): Maximum discharge, 27,500 ft³/s (779 m³/s) Apr. 25, 1966 (gage height, 15.20 ft or 4.633 m); no flow at times.

Maximum stage since May 1884, 20 ft (6.1 m) in May 1908 and December 1913.

REMARKS: Records good. There is some regulation since 1948 by Lake Tyler (station 08034000), capacity 80,900 ac-ft (99.7 hm³). There are several diversions above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1939	-	-	-	-	15910	3360	182	0	0	0	13.0	1390	-
1940	2450	5850	3020	4550	3180	3740	4740	11560	5690	464	94230	71120	210594
1941	34000	31210	36900	23670	12160	14420	8410	2220	5120	14410	27630	34980	245130
1942	20290	17770	18340	56460	24590	20400	2530	3920	4890	2370	6640	12370	190570
1943	19520	9660	12380	8290	5940	11330	755	124	19.0	2940	2990	8760	82708
1944	39020	60930	44610	28490	143000	16680	1370	370	1630	756	6370	52430	395656
1945	70440	30900	85270	72910	12670	17440	59720	3070	2640	52020	15820	31830	454730
1946	71030	59830	48480	19640	66710	47660	8660	8750	8440	7960	85500	33890	466550
1947	46420	24840	51570	50860	54250	21330	3220	1080	2930	1920	5690	25800	289910
1948	25680	48670	32360	17280	32300	3060	1720	205	477	682	3790	4690	170914
1949	14870	15080	22790	22770	5410	4780	1730	945	397	8860	3710	6680	108022
1950	42810	44990	12160	13270	35580	27350	2850	958	1390	1070	1960	2300	186688
1951	5390	12170	13290	11120	6550	4330	1060	67.0	282	265	1270	3870	59664
1952	6530	44780	26000	35540	9420	5040	728	41.0	0	0	1030	4150	133259
1953	7220	7110	42880	13040	89100	1430	3620	935	1240	191	2330	10880	179976
1954	9150	7080	6100	5520	39840	1630	8.90	0	0	2050	6110	9030	86519
1955	11580	24370	28980	26540	10650	2780	1500	722	917	487	455	1350	110331
1956	2510	11440	4280	2280	46330	756	65.0	0	0	0	76.0	2.94	68031
1957	819	2820	5000	71400	56240	56910	1500	564	444	17340	79100	17010	309147
1958	31340	22110	15760	30880	71160	9060	4580	1540	10450	7760	4940	6990	216570
1959	7460	20860	12670	26370	108200	13730	5990	2990	1510	2240	4840	26690	233550
1960	40780	45270	45610	9710	3480	4230	2920	1450	5270	5230	12310	92520	268780
1961	79580	50290	61710	25840	11120	15760	6950	1810	6800	2860	9260	27590	299570
1962	35840	24530	21260	24730	23890	16200	11860	1620	2890	4660	5150	8630	181260
1963	9490	8400	11980	5390	2750	1190	701	337	204	73.0	461	2030	43006
1964	2560	3440	7820	3930	2200	1110	25.0	57.0	247	299	950	2440	25078
1965	7260	18670	13160	11830	31210	7720	557	127	376	262	453	1540	93165
1966	2710	5450	4780	124300	54960	2680	625	2370	2860	1530	2270	2970	207505
1967	3380	2720	2770	8380	2870	4540	469	37.0	355	96.0	480	1790	27887
1968	10920	11490	13620	25400	55540	10730	7190	847	2490	1290	5570	23040	168127
1969	9630	22140	69880	59620	37480	2720	272	105	238	469	11170	11950	225674
1970	15860	16510	41290	20010	4620	1140	309	128	781	3590	3890	5220	113348
1971	4340	7360	4620	3230	7150	291	103	199	283	299	815	6320	35010
1972	18110	7750	5220	1720	913	743	184	154	798	3360	8300	9540	56792
1973	14880	20370	37490	75250	12910	74370	17670	8100	23070	38390	25810	43870	392180
1974	53830	34500	22070	10830	11540	7620	989	565	22530	11710	59350	28500	264034
1975	25740	65680	23400	18300	30010	20160	5130	1600	883	1490	2260	3700	198353
MAX	79580	65680	85270	124300	143000	74370	59720	11560	23070	52020	94230	92520	466550
MIN	819	2720	2770	1720	913	291	8.90	0	0	0	13.0	2.94	25078
MEAN	22318	23529	25264	26926	30860	12390	4619	1610	3204	5389	13594	17247	186950
NO.	36	36	36	36	37	37	37	37	37	37	37	37	36
DISTR OF MEAN	11.9%	12.6%	13.5%	14.4%	16.5%	6.6%	2.5%	.9%	1.7%	2.9%	7.3%	9.2%	100%

NECHES RIVER BASIN
08035000 Mud Creek at Ponta, Texas

LOCATION: Lat 31°53'25", long 95°05'20", Cherokee County, at the Texas and New Orleans Railroad Co. bridge, and 0.75 mi (1.2 km) west of Ponta.

DRAINAGE AREA: 481 mi² (1,245.8 km²).

PERIOD OF RECORD: May 1924 to September 1927.

GAGE: Inverted staff gage. Datum of gage is 280.2 ft (85.4 m) above mean sea level.

EXTREMES: Period of record (1924-27): Maximum discharge, 4,000 ft³/s (113.3 m³/s May 30, 1924 (gage height, -12.72 ft or -3.9 m); no flow during several periods.

Highest known flood for the past 40 years, -9.2 ft (-2.8 m) May 1908.

REMARKS: Records poor. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	44800	39800	1300	243	926	413	1240	2570	-
1925	11400	6420	4930	2140	977	104	111	60.0	33.0	2340	29600	8970	67085
1926	35300	13700	57000	43600	38500	9120	4690	319	139	163	691	18200	221422
1927	22200	30700	49700	61600	16000	8520	7440	938	300	-	-	-	-
MAX	35300	30700	57000	61600	44800	39800	7440	938	926	2340	29600	18200	221422
MIN	11400	6420	4930	2140	977	104	111	60.0	33.0	163	691	2570	67085
MEAN	22967	16940	37210	35780	25069	14386	3385	390	350	972	10510	9913	177872
NG.	3	3	3	3	4	4	4	4	4	3	3	3	2
DISTR													
OF MEAN	12.9%	9.5%	20.9%	20.1%	14.1%	8.1%	1.9%	.2%	.2%	.5%	5.9%	5.6%	100%

NECHES RIVER BASIN
08036500 Angelina River near Alto, Texas

LOCATION: Lat 31°40'10", long 94°57'24", Nacogdoches-Cherokee County line, at the bridge on State Highway 21, 0.4 mi (0.6 km) upstream from Allen Creek, 1.5 mi (2.4 km) upstream from Bingham Creek, and 7.5 mi (12.1 km) east of Alto.

DRAINAGE AREA: 1,276 mi² (3,305 km²).

PERIOD OF RECORD: October 1940 to March 1949 (fragmentary for 1941-42, 1944-49), March 1959 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 204.30 ft (62.271 m) above mean sea level, datum of 1929. May 9, 1940 to Mar. 31, 1949, nonrecording gage on the bridge at the natural channel, 1,400 ft (427 m) to right at same datum. Feb. 18 to Sept. 15, 1959, nonrecording gage at present site and datum.

AVERAGE DISCHARGE: 27 years (1940-49, 1959-75), 563,544 ac-ft/yr (694.8 hm³/yr).

EXTREMES: Period of record (1940-49, 1959-75): Maximum discharge, 30,600 ft³/s (867 m³/s) Apr. 28, 1966 (gage height, 21.51 ft or 6.556 m); minimum, 2.0 ft³/s (0.057 m³/s) Aug. 14, 15, 1964.

Maximum stage since at least 1905, about 22 ft (6.7 m) in May 1908, from information by local residents.

REMARKS: Records good. No diversion above station. The flow is partly regulated since May 1957 by Striker Creek Reservoir located 35.5 mi (57.1 km) upstream and Lake Tyler located 69.9 mi (112.5 km) upstream since January 1949.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1940	-	-	-	-	-	-	-	-	-	2030	-	-	-
1941	-	-	-	-	-	52290	40810	10630	12630	-	-	-	-
1942	-	54160	67700	-	-	-	17140	21300	40160	10700	20570	24040	-
1943	64950	35170	29820	32290	13990	20110	6170	1750	1040	4940	11930	23040	245200
1944	-	-	-	-	-	-	6790	3980	14090	4500	22060	-	-
1945	-	-	-	-	-	46350	-	12600	8760	-	47600	-	-
1946	-	-	-	-	-	-	31600	10440	39740	24750	-	-	-
1947	-	-	-	-	-	49870	13080	5140	7970	5580	17310	57830	-
1948	63300	-	-	60370	-	11690	7290	1650	1810	1970	12280	22990	-
1949	-	-	68380	-	-	-	-	-	-	-	-	-	-
1950	-	-	-	-	-	-	-	-	-	-	-	-	-
1951	-	-	-	-	-	-	-	-	-	-	-	-	-
1952	-	-	-	-	-	-	-	-	-	-	-	-	-
1953	-	-	-	-	-	-	-	-	-	-	-	-	-
1954	-	-	-	-	-	-	-	-	-	-	-	-	-
1955	-	-	-	-	-	-	-	-	-	-	-	-	-
1956	-	-	-	-	-	-	-	-	-	-	-	-	-
1957	-	-	-	-	-	-	-	-	-	-	-	-	-
1958	-	-	-	-	-	-	-	-	-	-	-	-	-
1959	-	-	44900	90330	219800	45940	18230	15260	5350	10040	23630	75360	-
1960	125100	89400	145400	44270	20280	20850	19400	7210	10310	28600	43930	297300	852050
1961	271700	154500	200200	126600	39690	90060	47320	8850	33500	12380	37640	165800	1188240
1962	119000	106300	89100	55260	105800	49380	24670	16110	10780	14420	16710	28330	635860
1963	37920	31940	36480	25350	10410	7290	4450	3770	3390	4000	2460	6810	174270
1964	11160	14220	29960	20300	11200	7620	1510	1380	1340	1730	2010	4170	106600
1965	9320	34610	36350	99480	88690	36390	4110	2650	2270	1840	4730	16920	337360
1966	21600	41530	25280	230800	275700	19730	5380	6570	8260	3680	5100	8380	652010
1967	10850	8780	11250	28320	13080	19330	4270	1730	1070	342	1070	5070	105162
1968	56620	29790	49790	142800	167700	36200	58130	7080	27590	15070	29080	161600	761450
1969	57300	84090	264200	255900	177300	16750	4250	3420	3720	4560	45780	39990	977260
1970	67400	45480	121900	76740	25060	6120	4370	3290	4150	6030	17470	16880	394890
1971	13900	21430	19130	14650	43300	2040	1110	2530	2590	2200	3510	19100	145490
1972	66070	31230	22620	10250	7330	9210	2360	1380	962	10130	51050	49420	262212
1973	81780	76100	114600	191200	78400	123400	42850	22900	56500	144500	69430	183400	1185060
1974	223000	141600	83050	42080	40220	17090	4000	2840	44560	20590	108500	92520	820050
1975	92840	198100	69440	64710	137500	66490	22860	8860	4580	8820	14220	16930	705350
MAX	271700	198100	284200	255900	275700	123400	58130	22900	56500	144500	108500	297300	1188240
MIN	9320	8780	11250	10250	7330	2040	1110	1380	962	342	1070	4170	105162
MEAN	77434	66579	77488	84826	81969	34282	16340	7333	13885	14308	26438	62662	563544
NO.	18	18	20	19	18	22	24	25	25	24	23	21	17
DISTR OF MEAN	13.7%	11.8%	13.8%	15.1%	14.5%	6.1%	2.9%	1.3%	2.5%	2.5%	4.7%	11.1%	100%

NECHES RIVER BASIN

08037000 Angelina River near Lufkin, Texas

LOCATION: Lat 31°27'26", long 94°43'34", Angelina-Nacogdoches County line, at the bridge on U.S. Highway 59, 200 ft (61 m) upstream from Procella Creek, 1.5 mi (2.4 km) downstream from Bayou Loco, 1.5 mi (2.4 km) upstream from the Southern-Pacific Railway Co. bridge, and 8 mi (13 km) north of Lufkin.

DRAINAGE AREA: 1,600 mi² (4,140 km²).

PERIOD OF RECORD: October 1923 to September 1934, August 1939 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 164.72 ft (50.207 m) above mean sea level, datum of 1929. Oct. 29, 1923 to Jan 17, 1926, nonrecording gage at the Southern-Pacific Railway Co. bridge, 1.5 m (2.4 km) downstream at datum 1.39 ft (0.424 m) lower; Jan. 18, 1926 to Sept. 30, 1934, nonrecording gage at the Lufkin-Nacogdoches Highway bridge, 1,400 ft (427 m) upstream at present datum.

AVERAGE DISCHARGE: 49 years (1923-34, 1939-75), 859,993 ac-ft/yr (1,060.4 hm³/yr).

EXTREMES: Period of record (1923-34, 1939-75): Maximum discharge, 38,200 ft³/s (1,080 m³/s) Feb. 24, 1932; maximum gage height, 18.55 ft (5.654 m) May 7, 1944; minimum discharge, 0.8 ft³/s (0.023 m³/s) Oct. 29, 30, 1956.

Flood in May 1884 reached a stage of 26.5 ft (8.08 m) and is the highest since at least that date.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	9240	21400	185000	-
1924	232000	172000	278000	114000	109000	268000	9590	2800	3000	2640	4360	10300	1205690
1925	28300	20800	18600	11100	6040	1420	1190	1310	1000	18600	509000	38200	655560
1926	78700	66100	221000	249000	112000	26800	23900	6070	1920	2620	5910	57800	851820
1927	76200	77800	244000	265000	74400	44600	22900	6210	1680	11600	11600	24600	860590
1928	27900	36300	119000	69000	35000	38700	14500	5660	1010	1760	19800	75600	444230
1929	122000	99400	105000	54600	115000	151000	15600	2160	3110	1310	20600	50300	740080
1930	104000	193000	109000	38900	202000	36400	3680	1200	1360	17000	20300	123000	849840
1931	151000	138000	126000	71400	113000	10200	5030	4720	1690	1330	5310	180000	807680
1932	559000	598000	258000	117000	49700	11100	6580	2750	3450	2960	5620	19400	1633560
1933	109000	103000	183000	169000	157000	26700	32100	20400	9340	5040	5000	17200	836780
1934	130000	101000	254000	170000	35100	6490	1290	615	643	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	-	-
1939	-	-	-	-	-	-	-	1620	422	338	2400	43320	-
1940	36350	135100	40030	47790	57120	68010	28710	16560	33530	3530	303700	373000	1147730
1941	263900	142100	218000	108100	90020	76130	60740	14250	17310	88090	178600	154800	1412040
1942	104500	75310	94330	166100	145700	121000	25160	16670	50030	11850	20780	30920	862350
1943	74360	41410	33930	36610	15170	20440	7170	2680	1310	4060	12600	22130	271870
1944	168100	199400	221500	151800	636900	146000	11080	4740	18790	5820	24820	145700	1734650
1945	420700	142100	273600	347100	86450	45860	161900	17050	9890	131500	62420	93160	1791730
1946	278300	319100	229400	116500	202900	182200	46320	10590	39090	26080	215200	179800	1845480
1947	224300	152700	261400	209100	211400	75400	18530	6240	7450	6120	16640	73880	1263160
1948	72450	229400	140200	95360	89080	16710	8910	2000	2160	1950	11720	25370	695310
1949	73750	107400	100100	104600	39480	16720	11850	12050	9310	51650	37070	41880	605860
1950	195000	250600	90830	66850	186500	165100	30080	8620	11250	8730	12200	17740	1043500
1951	31220	51000	56650	75590	24540	14400	4350	1310	2200	2580	5140	19320	288300
1952	20620	86930	144300	112200	67080	24630	4530	1410	279	223	2300	16330	480832
1953	26890	58030	255800	59580	522400	29060	26980	10100	9110	2430	8060	42660	1051100
1954	48180	42700	33750	28880	99240	13640	1430	408	215	784	15050	25240	309517
1955	45540	84270	69820	128300	67220	35210	12540	14160	3790	3430	1940	6800	473020
1956	11320	49720	25670	36330	156600	6110	1410	385	241	86.0	1020	2410	291302
1957	4350	13380	25810	165100	376700	164800	20470	9450	5160	163400	322400	145000	1416020
1958	158500	125300	106500	64840	264600	40070	18460	6780	101200	97130	21500	25790	1030670
1959	25110	85020	52900	95420	217300	49200	22560	21680	6350	11560	33090	84700	704890
1960	145600	113300	178700	57090	29340	20690	24120	8590	7590	31670	57080	350400	1024170
1961	321100	226600	272600	181000	58890	70120	75510	12350	45850	16780	34820	209400	1525020
1962	131900	154100	117900	67580	149700	55450	23590	19520	12940	15090	17020	30530	795320
1963	44530	37330	46130	40110	11800	9500	4610	4190	3510	3280	2550	7340	214880
1964	13200	16300	39120	48780	21150	10180	1510	2110	1480	1610	2440	5400	163280
1965	13090	39490	43050	130100	106800	57700	4890	3820	3530	1860	7230	24720	436280
1966	37050	60320	36640	135100	439000	42520	6420	10550	9970	4680	5970	11370	799590
1967	13040	13390	15210	31280	21010	30060	5830	2210	1270	431	668	5370	139769
1968	80710	38110	75290	213000	197400	75070	69130	17830	41980	18820	37340	204200	1068880
1969	98430	124200	357200	327600	234500	22530	4710	3630	4190	4520	29910	48370	1259790
1970	76670	49530	148900	85010	37420	7300	4430	3900	5200	6240	15310	15440	455350
1971	15910	18840	22800	15690	41800	3610	1430	2560	2790	2810	4640	27640	160420
1972	72380	40850	31460	16090	10520	8510	7640	1790	1010	11200	76880	84550	362880

NECHES RIVER BASIN

08037000 Angelina River near Lufkin, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1973	148900	107800	143600	205600	127400	140800	55410	28040	61390	188500	108600	228500	1544540
1974	272800	219800	111800	51210	43720	22500	4890	3080	45930	26670	147100	136000	1085500
1975	136100	294900	102300	88320	172700	91520	33000	12330	5570	8650	22010	21230	988630
MAX	559000	598000	357200	347100	636900	268000	161900	28040	101200	188500	509000	377300	1845480
MIN	4350	13380	15210	11100	6040	1420	1190	385	215	86.0	668	24.10	139769
MEAN	117510	118111	130486	111460	133357	55323	20993	7691	12739	21630	52232	78461	859993
NO.	47	47	47	47	47	47	47	48	48	48	48	48	46
DISTR OF MEAN	13.7%	13.7%	15.2%	13.0%	15.5%	6.4%	2.4%	.9%	1.5%	2.5%	6.1%	9.1%	100%

NECHES RIVER BASIN

08037050 Bayou LaNana at Nacogdoches, Texas

LOCATION: Lat 31°36'58", long 94°38'28", Nacogdoches County, at the bridge on Farm Road 1878 in Nacogdoches, and 14.5 mi (23.3 km) upstream from the mouth.

DRAINAGE AREA: 31.3 mi² (81.1 km²).

PERIOD OF RECORD: October 1964 to December 1975.

GAGE: Water-stage recorder. Prior to July 1974, concrete control. Datum of gage is 264.23 ft (80.537 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 12 years, 21,246 ac-ft/yr (26.2 hm³/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 9,000 ft³/s (255 m³/s) Feb. 1, 1975 (gage height, 19.85 ft or 6.050 m); no flow at times.

Maximum stage since at least 1956, that of Feb. 1, 1975.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	-	-	-	-	-	0	3.60	54.0	-
1965	771	1540	3450	1210	4770	984	63.0	1.60	206	.03	31.0	12.30	14257
1966	3730	3040	1230	5660	5830	428	105	543	138	56.0	39.0	1.64	20963
1967	169	557	491	560	449	1270	90.0	1.10	0	.50	.04	25.0	3613
1968	4000	1410	2410	10620	5890	2290	4100	374	1100	177	1250	59.60	39581
1969	1940	6560	8940	8280	6550	292	35.0	8.20	11.0	46.0	64.0	1.96	32922
1970	311	1140	2610	1130	499	62.0	.20	46.0	52.0	193	112	89.0	6244
1971	92.0	257	150	38.0	323	15.0	83.0	32.0	51.0	65.0	203	13.30	2639
1972	2420	1340	653	622	257	252	1210	68.0	28.0	1180	3480	49.00	16410
1973	9290	2360	6060	7750	1480	4320	386	253	1210	2070	5410	40.90	44679
1974	9150	3280	1080	509	479	133	202	122	1470	813	5090	25.30	24858
1975	4680	13650	2710	2090	2780	3450	495	199	102	183	329	2.85	30953
MAX	9290	13650	8940	10620	6550	4320	4100	543	1470	2070	5410	59.60	44679
MIN	92.0	257	150	38.0	257	15.0	.20	1.10	0	0	.04	25.0	2639
MEAN	3323	3194	2708	3497	2664	1227	615	150	397	399	1334	17.38	21246
NO. OF MEAN	11	11	11	11	11	11	11	11	11	12	12	12	11
DISTR													
OF MEAN	15.6%	15.0%	12.7%	16.5%	12.5%	5.8%	2.9%	.7%	1.9%	1.9%	6.3%	8.2%	100%

NECHES RIVER BASIN

08037500 Arenoso Creek near San Augustine, Texas

LOCATION: Lat 31°35'48", long 94°16'04", San Augustine County, 0.5 mi (0.8 km) downstream from the Nacogdoches and Southeastern Railroad Co. bridge, 4.5 mi (7.2 km) upstream from Attoyac Bayou, and 11 mi (17.7 km) northwest of San Augustine.

DRAINAGE AREA: 76 mi² (196.8 km²).

PERIOD OF RECORD: June 1938 to September 1940.

GAGE: Staff gage. Datum of gage not published.

EXTREMES: Period of record (1938-40): Maximum gage height, 12.12 ft (3.7 m) December 23, 1939; minimum discharge, 3.3 ft³/s (0.09 m³/s) September 14, 15, 1939.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1938	-	-	-	-	-	2660	2020	1150	986	677	2780	2840	-
1939	7310	14570	4770	3670	2440	1460	577	490	328	793	1350	9830	47588
1940	4070	13450	4960	8100	4710	2830	1660	2210	1030	-	-	-	-
MAX	7310	14570	4960	8100	4710	2830	2020	2210	1030	793	2780	9830	47588
MIN	4070	13450	4770	3670	2440	1460	577	490	328	677	1350	2840	47588
MEAN	5690	14010	4865	5885	3575	2317	1419	1283	781	735	2065	6335	48960
NO.	2	2	2	2	2	3	3	3	3	2	2	2	1
DISTR OF MEAN	11.6%	28.6%	9.9%	12.0%	7.3%	4.7%	2.9%	2.6%	1.6%	1.5%	4.2%	12.9%	100%

NECHES RIVER BASIN

08038000 Attoyac Bayou near Chireno, Texas

LOCATION: Lat 31°30'15", long 94°18'15", Nacogdoches-San Augustine County line, at the bridge on State Highway 21, 2.2 mi (3.5 km) upstream from Amaladeros Creek, 2.8 mi (4.5 km) east of Chireno, 5.4 mi (8.7 km) downstream from Arenoso Creek, and 41 mi (66 km) upstream from the mouth.

DRAINAGE AREA: 503 mi² (1,303 km²).

PERIOD OF RECORD: February 1924 to September 1925, August 1939 to October 1954, October 1955 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 169.58 ft (51.688 m) above mean sea level, datum of 1929. Jan. 24, 1924 to Aug. 29, 1925 and Sept. 6, 1957 to Oct. 27, 1958, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 39 years (1924-25, 1939-75), 309,570 ac-ft/yr (381.7 hm³/yr).

EXTREMES: Period of record (1924-25, 1939-54, 1955-75): Maximum discharge, 31,900 ft³/s (903 m³/s) Nov. 24, 1940 (gage height, 25.97 ft or 7.916 m); minimum, 0.8 ft³/s (0.023 m³/s) Aug. 26, 27, 1956.

Maximum stage since at least 1865, 29.9 ft (9.11 m) June 29, 1902, from information by local residents.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	66500	78400	44800	51500	77800	5290	3480	3560	3150	4070	6550	-
1925	29100	13100	11600	6110	6760	1540	3390	1160	1190	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	-	-
1939	-	-	-	-	-	-	-	1430	748	1610	3680	69220	-
1940	25550	115200	24970	31990	46610	29300	8900	8400	9110	2460	176000	154000	632490
1941	68850	61890	76350	23520	77230	88240	23150	11060	14910	41710	151100	57290	695300
1942	37930	33890	49940	54530	31470	48900	8270	31280	18960	5640	9720	13600	344130
1943	22880	17170	18150	9250	4920	3310	2560	2110	2540	3270	4540	11050	101750
1944	56170	53160	69040	46480	199000	29240	5730	5710	10360	3480	17480	60030	555880
1945	143900	42880	50970	79240	21940	9380	10430	4320	3620	20300	11760	28360	427110
1946	110600	109100	73610	27510	59680	30730	9980	7480	7460	8460	46360	30980	521950
1947	94850	32570	82770	69650	32860	11810	4280	2400	2270	2670	13580	21670	371380
1948	23710	84540	34160	33200	26060	4680	4000	1430	1390	1510	5570	9210	229460
1949	38490	35240	51150	36170	22280	8670	7320	4800	3870	47750	16090	39070	310900
1950	97160	48300	47250	22540	71560	87680	15610	5350	6370	4760	5950	9530	422060
1951	14830	23390	27250	21460	6850	3530	2070	1100	3840	1700	3470	17440	126930
1952	12430	25120	29340	42760	30530	9170	2930	1250	712	728	3720	8380	167070
1953	12610	37200	128300	48180	228400	7500	10480	6460	3620	2390	4560	12990	502690
1954	16420	13320	8750	9200	22380	2130	692	468	521	1810	-	-	-
1955	-	-	-	-	-	-	-	-	-	1690	2120	4050	-
1956	6060	22140	11750	30820	19260	2250	622	373	613	263	1380	2140	97671
1957	3970	12150	16810	94540	89530	40280	4950	1640	2860	19840	114200	38050	438820
1958	65450	26600	29620	15890	61050	18310	6040	18740	118700	22230	13880	11640	408150
1959	10850	40590	18980	46980	12170	10640	12090	6020	2910	6470	12490	41270	221460
1960	38080	49520	50050	15460	15490	10210	5380	7420	9470	13230	37750	87560	339620
1961	114300	59640	95220	43030	12680	17070	10290	5460	21440	5900	15480	101800	502310
1962	45810	31010	27990	26910	35510	9430	4480	2100	6890	3550	6110	10720	210510
1963	11610	14230	13530	24300	3990	3530	2260	1200	1210	1360	2690	5510	85420
1964	8940	7770	27390	28630	9910	5560	721	591	770	788	1800	4310	97180
1965	6410	16960	10890	33790	46580	20120	1130	846	6410	1810	2880	20840	168666
1966	23710	49380	12610	48670	82500	5050	1770	5780	3320	2820	2550	5590	243750
1967	5850	11390	8360	6330	4920	23190	2290	972	741	324	1080	4020	69467
1968	47740	10060	23980	108200	59240	25720	28570	6270	29870	11260	18150	87260	456320
1969	24040	63240	126100	89510	72050	9200	2690	1870	2030	1910	4780	7440	404860
1970	11940	14570	40720	17410	12510	3760	1740	1210	1980	5950	6750	4330	122870
1971	5650	7180	6550	4020	11340	1550	2260	4190	1260	2240	3490	17470	67200
1972	22840	16190	8290	6810	12270	3170	3490	1830	1590	5740	25370	39360	146950
1973	79480	32140	65730	84980	24310	43660	17700	10330	15960	36420	42170	88250	541130

NECHES RIVER BASIN

08038000 Attoyac Bayou near Chireno, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	132400	51970	27060	14630	15730	8890	5790	3430	17020	6070	69420	57840	410250
1975	65530	117300	41660	33820	69490	26460	14760	7480	6170	6360	12430	11110	412570
MAX	143900	117300	128300	108200	228400	88240	28570	31280	118700	47750	176000	154000	695300
MIN	3970	7180	6550	4020	3990	1540	622	373	521	263	1080	2140	67200
MEAN	42671	39638	41224	37333	43529	20045	6868	4933	9112	8148	23638	32431	309570
NO.	36	37	37	37	37	37	37	38	38	38	37	37	34
DISTR OF MEAN	13.8%	12.8%	13.3%	12.1%	14.1%	6.5%	2.2%	1.6%	2.9%	2.6%	7.6%	10.5%	100%

NECHES RIVER BASIN

08038500 Angelina River near Zavalla, Texas

LOCATION: Lat 31°12'41", long 94°17'40", Angelina-San Augustine County line, at the abandoned bridge on former State Highway 147 just downstream from Harvey Bayou, 3 mi (4.8 km) downstream from Attoyac Bayou and the State Highway 147 bridge, and 8.5 mi (13.7 km) northeast of Zavalla.

DRAINAGE AREA: 2,892 mi² (7,490.3 km²).

PERIOD OF RECORD: October 1951 to January 1965.

GAGE: Water-stage recorder. Datum of gage is 104.48 ft (31.8 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 15 years, 1,299,850 ac-ft/yr (1,602.7 hm³/yr).

EXTREMES: Period of record (1951-65): Maximum discharge, 37,300 ft³/s (1,056.3 m³/s) May 18, 1953 (gage height, 27.72 ft or 8.4 m); minimum, 22.0 ft³/s (0.62 m³/s) September 22-24, 1954 and October 5-6, 1956.

Maximum stage since at least 1883, 29.4 ft (8.96 m) in June 1902.

REMARKS: Records good. Prior to August 1956, the Southland Paper Mills pumped about 22.0 ft³/s (0.62 m³/s) from wells, of which about 18.0 ft³/s (0.51 m³/s) was later discharged into Mill Creek, 20 mi (32.2 km) above the station. Since August 1956, about 28.0 ft³/s (0.79 m³/s) is pumped from wells and about 24.0 ft³/s (0.68 m³/s) is discharged into Mill Creek. This discharge is continuous and fairly constant.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1951	-	-	-	-	-	-	-	-	-	4920	9060	36910	-
1952	43490	121600	233600	200400	192500	62210	11770	4980	2110	1990	8060	30800	913510
1953	57180	132600	486200	132900	1165000	106600	53360	26250	16170	6090	14100	65240	2261690
1954	85150	74840	50440	50870	158100	33370	5350	2100	1590	3210	22740	29400	517160
1955	53570	147000	107900	209800	102400	76520	16560	29480	7980	8210	5150	13380	777950
1956	20810	98360	51920	99430	188600	14940	4190	2320	2400	1680	3640	5370	493660
1957	8510	35270	67420	206600	744900	222600	42420	16140	10270	163400	553800	301600	2372930
1958	296800	223900	161700	96200	402000	70570	41330	17530	251200	238600	52630	53550	1906010
1959	48810	163100	120000	241800	260400	84850	54010	38770	13730	24060	55590	144200	1249320
1960	225100	214500	322300	92600	68150	42520	35770	20010	19800	46070	107500	596000	1790320
1961	603100	332500	447300	367400	94520	61510	112200	24460	83220	31640	46320	424400	2628570
1962	237400	251200	173800	113900	331300	70720	34030	23420	24120	20040	25210	58750	1363890
1963	79740	71030	89410	84830	25210	19430	11610	7470	6260	5700	7780	17190	425660
1964	32190	36030	127000	149000	84330	22900	5060	5230	3890	4490	4910	12790	487820
1965	19470	-	-	-	-	-	-	-	-	-	-	-	-
MAX	603100	332500	486200	367400	1165000	222600	112200	38770	251200	238600	553800	596000	2628570
MIN	8510	35270	50440	50870	25210	14940	4190	2100	1590	1680	3640	5370	425660
MEAN	129380	146302	187615	157364	293647	68365	32897	16782	34057	40007	65464	127970	1299850
NO.	14	13	13	13	13	13	13	13	13	14	14	14	13
DISTR													
OF MEAN	10.0%	11.3%	14.4%	12.1%	22.6%	5.3%	2.5%	1.3%	2.6%	3.1%	5.0%	9.8%	100%

NECHES RIVER BASIN

08039000 Ayish Bayou at San Augustine, Texas

LOCATION: Lat 31°31'50", long 94°06'55", San Augustine County, at the San Augustine-Nacogdoches Highway bridge, 0.25 mi (0.4 km) west of the courthouse in San Augustine, and 5 mi (8.0 km) above the mouth of Bernard Creek.

DRAINAGE AREA: 17.2 mi² (44.5 km²).

PERIOD OF RECORD: August 1924 to August 1925.

GAGE: Staff gage. Datum of gage is 293.36 ft (89.4 m) above mean sea level.

REMARKS: Records poor.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	-	-	-	267	321	-	-	-	-
1925	-	-	-	414	-	119	584	96.0	-	-	-	-	-
MAX	-	-	-	414	-	119	584	267	321	-	-	-	-
MIN	-	-	-	414	-	119	584	96.0	321	-	-	-	-
MEAN	-	-	-	414	-	119	584	182	321	-	-	-	1620
NO.	0	0	0	1	0	1	1	2	1	0	0	0	0
DISTR OF MEAN	.0%	.0%	.0%	25.6%	.0%	7.3%	36.0%	11.2%	19.8%	.0%	.0%	.0%	100%

NECHES RIVER BASIN

08039100 Ayish Bayou near San Augustine, Texas

LOCATION: Lat 31°23'46", long 94°09'03", San Augustine County, at the bridge on State Highway 103, 3.0 mi (4.8 km) upstream from Turkey Creek, and 9.5 mi (15.3 km) south of San Augustine.

DRAINAGE AREA: 89.0 mi² (230.5 km²).

PERIOD OF RECORD: March 1959 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 190.22 ft (57.979 m) above mean sea level, datum of 1929. Prior to June 2, 1959, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 17 years, 59,285 ac-ft/yr (73.1 hm³/yr).

EXTREMES: Period of record (1959-75): Maximum discharge, 13,200 ft³/s (374 m³/s) Apr. 9, 1968 (gage height, 16.82 ft or 5.127 m); no flow at times.

Maximum discharge since October 1957, 15,900 ft³/s (450 m³/s) Sept. 21 or 22, 1968 (gage height, 17.5 ft or 5.33 m, from floodmarks).

REMARKS: Records fair. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1959	-	-	3740	16500	2430	833	5970	1320	326	1650	1400	8660	-
1960	10550	13160	6540	2950	1470	1820	1870	1070	1160	881	7420	16700	65591
1961	27850	12120	27250	9870	1790	1820	1090	645	5510	700	2150	18670	109465
1962	7550	4120	4390	3620	6950	770	144	26.0	678	136	560	4310	33254
1963	3140	4450	3850	4040	886	1260	264	166	12.0	.80	299	812	19180
1964	2670	2260	13640	17170	1800	380	11.0	111	76.0	52.0	184	712	39066
1965	633	7480	3950	2190	1410	273	36.0	0	1050	73.0	349	5280	22724
1966	6450	21120	3090	13420	4180	218	46.0	253	776	707	308	1110	51678
1967	1480	1960	1920	1380	1310	2220	185	2.80	.08	0	61.0	496	11015
1968	6970	2360	7790	34440	6330	6970	4920	788	11150	877	6930	18890	108415
1969	5780	13230	25110	15990	14370	1250	100	30.0	108	110	300	565	76943
1970	1180	1960	7110	2350	5900	462	92.0	42.0	100	372	327	335	20230
1971	406	589	658	249	492	60.0	302	572	243	245	732	7120	11668
1972	7890	3440	3170	2240	3440	112	216	93.0	232	1210	2100	9750	33893
1973	20170	9070	17810	18470	6650	16540	2050	1180	2480	6910	13140	22840	137310
1974	46370	11130	6000	6910	1970	1840	195	256	1840	871	14670	19450	111502
1975	16970	16620	9580	4980	29480	4610	4900	1450	754	1080	2160	2260	94844
MAX	46370	21120	27250	34440	29480	16540	5970	1450	11150	6910	14670	22840	137310
MIN	406	589	658	249	492	60.0	11.0	0	.08	0	61.0	335	11015
MEAN	10379	7817	8565	9222	5345	2438	1317	471	1559	934	3123	8115	59285
NO.	16	16	17	17	17	17	17	17	17	17	17	17	16
DISTR OF MEAN	17.5%	13.2%	14.4%	15.6%	9.0%	4.1%	2.2%	.8%	2.6%	1.6%	5.3%	13.7%	100%

NECHES RIVER BASIN

08039300 Sam Rayburn Reservoir near Jasper, Texas

LOCATION: Lat 31°03'38", long 94°06'21", Jasper County, in the powerhouse-intake structure of Sam Rayburn Dam on the Angelina River, 10 mi (16 km) northwest of Jasper, and 25.2 mi (40.5 km) upstream from the mouth.

DRAINAGE AREA: 3,449 mi² (8,933 km²).

PERIOD OF RECORD: January 1965 to December 1975.

GAGE: Stevens type AP recording transmitter. Datum of gage is at mean sea level. Prior to Apr. 20, 1965, nonrecording gage at same site and datum.

EXTREMES: Period of record (1965-75): Maximum contents, 3,881,000 ac-ft (4,785.3 hm³) Feb. 7, 1974 (elevation, 172.17 ft or 52.477 m); minimum contents since the conservation storage was first reached in 1968, 2,156,000 ac-ft (2,658.3 hm³) Oct. 14, 1974 (elevation, 157.33 ft or 47.954 m).

REMARKS: The reservoir is formed by a rolled earthfill dam 19,430 ft (5,920 m) long, including spillway and dikes, with a capacity of 2,852,600 ac-ft (3,517.2 hm³). The dam was completed and deliberate impoundment began on Mar. 29, 1965. The emergency spillway is an uncontrolled broad-crested weir 2,200 ft (670 m) wide on the right bank, 7,000 ft (2,100 m) to the right of the outlet works, designed to discharge 125,300 ft³/s (3,550 m³/s) at maximum flood design. The flood-control outlet works consist of two 10- by 20-foot (3- by 6-m) rectangular concrete-lined conduits controlled by two 10- by 20-foot (3- by 6-m) tractor-type service gates and one 10- by 20-foot (3- by 6-m) tractor-type emergency gate. Water for the turbines is admitted through four 18- by 26-foot (5- by 8-m) penstocks and controlled by two wheeled-leaf type head-gates. The reservoir is operated for flood control and power generation. The dam is operated by the U.S. Army Corps of Engineers.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1965	15480	83100	87720	231700	345200	466400	453900	428400	444800	435700	444100	585400
1966	715000	1124000	1193000	1328000	1968000	1987000	1900000	1858000	1828000	1776000	1714000	1707000
1967	1716000	1766000	1791000	1859000	1923000	1947000	1894000	1793000	1719000	1675000	1659000	1687000
1968	1886000	1944000	2138000	2857000	2858000	2883000	2812000	2654000	2711000	2584000	2522000	2651000
1969	2535000	2630000	3114000	3169000	3293000	2779000	2670000	2518000	2420000	2363000	2330000	2373000
1970	2418000	2488000	2669000	2706000	2757000	2683000	2578000	2493000	2439000	2462000	2456000	2464000
1971	2462000	2491000	2482000	2405000	2426000	2343000	2271000	2230000	2195000	2203000	2200000	2354000
1972	2529000	2609000	2734000	2744000	2737000	2578000	2501000	2397000	2306000	2279000	2355000	2544000
1973	2874000	2841000	3056000	3200000	2918000	3206000	2849000	2714000	2625000	2835000	2886000	3237000
1974	3759000	3446000	2918000	2849000	2766000	2585000	2383000	2226000	2175000	2226000	2639000	2935000
1975	2880000	3193000	2921000	2910000	2950000	2898000	2669000	2349000	2171000	2079000	2128000	2178000
MAX	3759000	3446000	3114000	3200000	3293000	3206000	2849000	2714000	2711000	2835000	2886000	3237000
MIN	15480	83100	87720	231700	345200	466400	453900	428400	444800	435700	444100	585400
MEAN	2162680	2237736	2282156	2387155	2449200	2395945	2270991	2150945	2093982	2083427	2121191	2246855
NO.	11	11	11	11	11	11	11	11	11	11	11	11
DISTR												
OF MEAN	8.0%	8.3%	8.5%	8.9%	9.1%	8.9%	8.4%	8.0%	7.8%	7.8%	7.9%	8.4%

NECHES RIVER BASIN
08039500 Angelina River at Horger, Texas

LOCATION: Lat 31°02'08", long 94°07'48", Jasper County, 0.4 mi (0.6 km) downstream from Jordans Creek, 4 mi (6 km) northeast of the abandoned town of Horger, and 7.6 mi (12.2 km) downstream from Sam Rayburn Dam.

DRAINAGE AREA: 3,486 mi² (9,029 km²).

PERIOD OF RECORD: April 1928 to March 1951, March 1958 to September 1973 (1958-65 medium and high-water records only).

GAGE: Water-stage recorder. Auxiliary water-stage recorder located 3.2 mi (5.1 km) downstream. Datum of gage is 68.54 ft (20.89 m) above mean sea level, datum of 1929. Mar. 7, 1928 to Apr. 16, 1951, nonrecording gage, and Feb. 19, 1958 to July 13, 1962, water-stage recorder, 4.8 mi (7.7 km) downstream at same datum; July 14, 1962 to Oct. 16, 1963, nonrecording gage at present site and datum.

AVERAGE DISCHARGE: 38 years (1928-51, 1958-62, 1965-73), 2,052,894 ac-ft/yr (2,531.2 hm³/yr).

EXTREMES: Period of record (1928-51, 1958-73): Maximum discharge, 49,900 ft³/s (1,410 m³/s) May 6, 1944, gage height, 36.90 ft (11.25 m); minimum observed prior to closure of Sam Rayburn Dam, 13 ft³/s (0.368 m³/s) Sept. 22, 1937; no releases at times.

Maximum stage since 1885, 39.5 ft (12.0 m), at site 4.8 mi (7.7 km) downstream in August 1915, discharge, 82,000 ft³/s (2,320 m³/s).

REMARKS: Discharges since March 1965 are releases from Sam Rayburn Reservoir. Local runoff between the dam and this gage is not included in these records.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1928	-	-	-	193000	65200	102000	33800	19700	3620	5310	23400	86700	-
1929	186000	217000	290000	136000	593000	583000	64600	9960	9340	3470	92800	120000	2305170
1930	395000	433000	250000	105000	176000	142000	13000	5260	6960	67000	57900	311000	1962120
1931	335000	303000	312000	164000	237000	25300	13200	11300	5580	2750	22200	333000	1764330
1932	1010000	1120000	695000	204000	89800	25200	15100	10600	7260	5670	7260	65800	3255690
1933	212000	305000	414000	347000	242000	107000	201000	144000	32400	12500	10700	33200	2060800
1934	395000	419000	646000	424000	121000	26400	9410	4930	3960	5370	33380	210100	2298550
1935	252300	187500	199300	185800	1123000	257700	50030	15440	12230	9540	65930	324400	2683170
1936	94290	95370	90590	36510	77300	37010	125300	25220	7220	5940	8430	58890	662070
1937	461900	271800	260000	209900	40780	25760	8550	5840	8100	18310	21290	136300	1468530
1938	277500	205400	246000	720700	165500	49080	39980	39090	8300	5500	20320	28150	1805520
1939	233900	394000	299000	100800	68030	63540	9300	5840	3110	3970	9370	196900	1387760
1940	193500	501900	127400	198700	180300	153900	50520	33530	45580	9650	326200	1162000	2983180
1941	651800	354400	573700	209890	353500	325500	132300	42670	41570	126100	704600	340500	3856440
1942	260300	196300	285000	406800	297200	214300	74740	136700	87770	25890	37340	46000	2068340
1943	163000	94370	82790	64860	38070	28750	16690	8530	5700	8380	17970	27830	556940
1944	243800	341400	419100	398400	1547000	404300	23300	13080	45490	12740	49800	326500	3824910
1945	879200	531800	475800	816800	220600	77410	187800	68070	19470	165700	84990	178200	3705840
1946	688100	885500	569100	345700	371100	393800	94020	33690	59400	45110	389900	331300	4206720
1947	729900	276400	538500	321100	305600	200400	38200	13660	10470	11460	49960	149600	2645250
1948	138900	464300	310800	268100	150100	45780	18070	5900	6120	5400	32850	44520	1490840
1949	202400	284700	349700	310100	154000	81060	33920	28140	17750	172200	99770	275200	2008940
1950	759700	650200	372800	137100	469700	628700	72510	24200	27940	22580	72790	37610	3230330
1951	77020	106900	160300	-	-	-	-	-	-	-	-	-	-
1952	-	-	-	-	-	-	-	-	-	-	-	-	-
1953	-	-	-	-	-	-	-	-	-	-	-	-	-
1954	-	-	-	-	-	-	-	-	-	-	-	-	-
1955	-	-	-	-	-	-	-	-	-	-	-	-	-
1956	-	-	-	-	-	-	-	-	-	-	-	-	-
1957	-	-	-	-	-	-	-	-	-	-	-	-	-
1958	-	-	215200	136600	448900	-	-	-	-	-	-	-	-
1959	-	225000	168500	364200	303400	-	-	-	-	-	-	-	-
1960	331400	319100	409300	109400	-	-	-	-	-	-	149400	643600	-
1961	839900	506800	610900	466100	-	-	-	-	-	-	-	468300	-
1962	312900	288800	207200	142300	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	1640	8100	52.0	-
1966	1250	379	50.0	36020	4610	15140	69380	63100	53450	62140	59940	32750	398209
1967	18170	40.0	10340	16230	11260	41130	35470	69600	37000	19290	2920	14330	275780
1968	4730	15720	5370	29250	335000	211000	165100	148100	44060	127200	155700	225900	1467130
1969	251900	219700	252500	525100	480100	561800	75310	97830	67110	38950	42860	35870	2649030
1970	42180	27850	89300	98050	65500	46530	67660	46170	40200	23270	11870	11200	569780
1971	18770	569	25130	68290	34770	54510	41430	31570	22440	6660	5290	6680	316109
1972	34280	6040	4480	51940	50870	136600	70110	94330	88990	39210	34030	39660	650540
1973	115200	247500	245000	372100	463900	141500	436600	137000	179500	-	-	-	-
MAX	1010000	1120000	695000	816800	1547000	628700	436600	148100	179500	172200	704600	1162000	4206720
MIN	1250	40.0	50.0	16230	4610	15140	8550	4930	3110	1640	2920	52.0	275780
MEAN	317976	299907	283615	242215	281336	167939	73755	44937	32519	34481	83243	190971	2052894
NO.	34	35	36	36	33	31	31	31	31	31	32	33	29
DISTR OF MEAN	15.5%	14.6%	13.8%	11.8%	13.7%	8.2%	3.6%	2.2%	1.6%	1.7%	4.1%	9.3%	100%

NECHES RIVER BASIN

08040000 B. A. Steinhagen Lake at Town Bluff, Texas

LOCATION: Lat 30°47'43", long 94°10'48", Tyler County, 70 ft (21 m) upstream from the outlet structure of Town Bluff Dam on the Neches River, and 0.4 mi (0.6 km) north of Town Bluff.

DRAINAGE AREA: 7,573 mi² (19,614 km²).

PERIOD OF RECORD: April 1951 to December 1975. Prior to October 1967, published as "Dam B Reservoir at Town Bluff".

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Oct. 25, 1954, at site 490 ft (149 m) upstream at same datum.

EXTREMES: Period of record (1951-75): Maximum contents, 128,400 ac-ft (158 hm³) May 22, 1953 (elevation, 85.21 ft or 25.972 m); no storage Sept. 18 to Oct. 13, 1954.

REMARKS: The lake is formed by a rolled earthfill dam with concrete spillway sections with a capacity of 94,200 ac-ft (116.1 hm³). The total length of the dam is 6,898 ft (2,042 m), including a concrete spillway and nonoverflow section. Deliberate impoundment of water began on Apr. 16, 1951 and the dam was completed in June 1951. The uncontrolled emergency spillway is 6,100 ft (1,860 m) long. A 326-foot (99-m) gated service spillway with six 40- by 35-foot (12- by 11-m) tainter gates is located near the right end of the dam. The capacity of the spillways at maximum flood design is 218,300 ft³/s (6,180 m³/s). The dam is operated by the U.S. Army Corps of Engineers.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1951	-	-	0	33370	66440	38930	473	13.0	7460	3990	11740	13570
1952	10960	11320	93160	80060	68480	69780	50530	4350	562	499	5260	6510
1953	3950	3530	12880	90740	54850	98990	93160	48960	22730	15810	30080	92340
1954	85910	90470	95760	96880	94390	69900	17950	1920	0	7520	70890	88750
1955	91130	86290	93560	93560	91270	83130	73820	54030	39760	28890	12980	27360
1956	63840	90200	90740	92480	93700	75080	28890	1260	1960	914	9990	30140
1957	49480	93160	93160	84000	92750	89020	93560	81890	87840	92880	78020	82140
1958	82630	84890	89810	89810	89150	97580	75540	47100	85010	87710	71440	84130
1959	88230	83130	88880	84130	87060	94110	88620	78850	51940	84130	58840	69680
1960	95350	90740	93430	100400	62400	95480	72790	87710	97720	50440	55790	86040
1961	91540	76130	75540	95480	95210	97160	94110	73020	70220	64250	80660	81520
1962	87970	87580	86420	94800	91270	93290	77190	57200	86940	90600	85140	86420
1963	91800	88360	92480	92480	93560	94390	76830	44780	57780	36440	55880	79210
1964	90870	91270	95480	91000	94110	72910	37230	29570	28030	25890	37890	74620
1965	71220	88880	88880	67190	86550	73020	24190	29320	24470	19370	36370	91540
1966	87450	92210	67400	74850	95210	69900	46840	85520	91540	83750	91940	86290
1967	78850	90200	67400	85910	73020	67940	73020	88360	81400	77780	68260	91540
1968	90470	86040	89540	78850	84130	88880	85780	70780	88880	89020	89540	82260
1969	84130	75300	93430	84640	86040	96180	80910	53930	36580	11170	45130	83740
1970	72580	78260	81660	89580	81280	57200	64400	68740	58960	80700	85690	77100
1971	77800	52030	51470	59320	72340	57110	33880	59320	72230	74780	81040	86460
1972	94830	86980	88150	86080	76290	92170	70140	72230	89970	78030	92040	89710
1973	92170	91400	89710	70720	89710	81270	91520	96270	89580	88670	94390	50090
1974	97140	57200	31990	85170	78140	84780	86720	81920	68120	75010	83610	54340
1975	79420	66450	80790	92620	71890	86040	80910	72120	46180	69890	49570	55330
MAX	97140	93160	95760	100400	95210	98990	94110	96270	97720	92880	94390	92340
MIN	3950	3530	0	33370	54850	38930	473	13.0	0	499	5260	6510
MEAN	77488	76751	77269	83765	82770	80970	64760	55567	55434	53525	59287	70033
NO.	24	24	25	25	25	25	25	25	25	25	25	25
DISTR OF MEAN	9.3%	9.2%	9.2%	10.0%	9.9%	9.7%	7.7%	6.6%	6.6%	6.4%	7.1%	8.4%

NECHES RIVER BASIN

08041000 Neches River at Evadale, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1954	227100	146200	106300	185000	441000	150000	70040	31150	14600	10420	16660	55930	1454400
1955	151900	498000	254200	723900	202900	179800	53030	89130	44010	33720	32650	31320	2294560
1956	39090	258600	141800	200600	263400	66640	54440	33890	11550	10920	6520	8820	1096270
1957	9780	21890	234300	338000	1883000	547800	167600	62960	43730	240700	986800	1038000	5574560
1958	963100	660000	475300	285900	885400	124900	120600	81180	265800	530600	115500	105300	4613580
1959	109200	428700	335900	740700	621900	320000	192700	176300	60760	41530	152900	356700	3537290
1960	637600	634700	852200	220800	223000	98110	132000	55240	27670	147400	266100	1148000	4442820
1961	1910000	1014000	1127000	836100	232700	140500	362000	102700	249700	76850	116100	663900	6831550
1962	545300	494700	393500	232200	771300	229200	118300	74760	29660	38040	73280	138800	3139040
1963	308900	221800	256000	192500	78900	66140	58950	44910	80220	35220	42840	80460	1466840
1964	145900	136800	446000	365200	446400	90250	54660	25670	19920	16450	11210	18480	1776940
1965	38630	95960	209200	255400	132800	258200	84820	38940	40810	20220	12740	152800	1340520
1966	177600	536500	156200	137900	797200	156200	133300	62750	84630	115900	80950	89770	2528900
1967	100700	63070	88380	163400	142400	134000	68760	65920	53730	33650	26660	33010	973680
1968	190500	155800	224100	706500	732000	693900	561800	256400	107100	184800	236300	526800	4578000
1969	468700	494900	883200	1260000	1483000	832100	162900	148600	106100	77950	55440	97300	6070190
1970	172700	130800	272700	323300	279400	106800	80110	50820	63050	72970	79930	70530	1703110
1971	69150	63760	83130	92630	75910	83140	77190	24380	23690	32260	22170	213100	860510
1972	230900	169300	178400	165600	254600	173600	129400	118400	98160	87190	130500	237800	1973850
1973	464600	619300	733100	1233000	1126000	921400	777200	242000	403000	495900	702100	937300	8654900
1974	1335000	1204000	1109000	434100	329200	259700	236600	211800	271600	156500	411500	640200	6599200
1975	892600	946100	883600	517900	971800	577700	472500	427500	273000	208400	129500	120700	6421300
MAX	1910000	1980000	1920000	2459000	3065000	2060000	785700	427500	403000	530600	1303000	2739000	9493670
MIN	9780	21890	83130	62000	49800	24200	17400	11100	11550	10420	6520	8820	860510
MEAN	559876	561850	631579	622443	690126	394701	178377	94743	74731	90982	173426	345705	4418539
NO.	56	56	56	57	57	57	58	58	58	58	58	58	56
DISTR OF MEAN	12.7%	12.7%	14.3%	14.1%	15.6%	8.9%	4.0%	2.1%	1.7%	2.1%	3.9%	7.8%	100%

NECHES RIVER BASIN

08041500 Village Creek near Kountze, Texas

LOCATION: Lat 30°23'52", long 94°15'48", Hardin County, at the bridge on Farm Road 418, 1.6 mi (2.6 km) upstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 3.1 mi (5.0 km) upstream from Cypress Creek, 3.4 mi (5.5 km) northeast of Kountze, and 4.3 mi (6.9 km) downstream from Beech Creek.

DRAINAGE AREA: 860 mi² (2,227 km²).

PERIOD OF RECORD: June 1924 to September 1927, May 1939 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 25.12 ft (7.657 m) above mean sea level, datum of 1929. Prior to Apr. 30, 1939, nonrecording gage at site 1.6 mi (2.6 km) downstream at different datum. Apr. 30, 1939 to Sept. 30, 1966, water-stage recorder at site 2,000 ft (610 m) downstream at present datum.

AVERAGE DISCHARGE: 41 years (1924-27, 1939-75), 589,903 ac-ft/yr (727.4 hm³/yr).

EXTREMES: Period of record (1924-27, 1939-75): Maximum discharge, 67,200 ft³/s (1,900 m³/s) Nov. 26, 1940 (gage height, 27.6 ft or 8.41 m, former site, from floodmark); minimum daily, 16 ft³/s (0.45 m³/s) Oct. 1, 2, 1956.

Maximum stage since 1884, about 34 ft (10.4 m) in August 1915 at site 2,000 ft (610 m) downstream at present datum.

REMARKS: Records good. There are several small diversions above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	-	132900	14800	10800	7240	6700	8180	13100	-
1925	52400	14100	13400	9220	7960	5180	4400	2870	3960	49200	187000	47100	396790
1926	211000	49600	105000	169000	50700	18600	16300	10300	20200	14400	17800	119000	801900
1927	99700	92200	145000	123000	46000	45700	29200	11400	8810	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	-	-
1939	-	-	-	-	12090	10050	4520	5720	2520	2880	5410	18610	-
1940	16640	38840	12690	37280	34060	30300	66130	36440	6160	4460	382600	358800	1024400
1941	98880	81860	118400	46950	104200	151800	53920	13040	34110	46250	170200	41950	961560
1942	59020	56120	73710	178700	56420	45700	43300	81700	51950	11990	17130	30090	705830
1943	84660	27990	40480	35670	49580	21050	48290	38370	15330	10490	13160	37000	422070
1944	124900	84980	71860	27990	195500	27810	8350	7140	15330	7160	18260	77630	666910
1945	164500	107000	72460	191000	52200	31920	24750	18170	22170	32300	17520	103600	837590
1946	199700	199400	116200	48350	103300	121600	78600	16970	13090	28680	216900	81150	1223940
1947	226500	54640	149400	33120	70510	32420	13420	8950	6880	5440	13870	51190	666340
1948	45870	83250	53530	30890	16850	7240	9820	3740	3760	3060	8870	9030	275910
1949	50920	87570	157700	143200	31490	27520	15900	10000	11480	254500	23950	191500	1005730
1950	219000	165500	135200	53600	127500	396800	35290	12120	12230	8030	8980	10370	1184620
1951	24050	22220	27190	38390	12930	6750	5200	3400	24540	7380	6590	19750	198390
1952	11750	25410	26200	100000	110200	20280	21300	5160	2740	2260	5590	20880	351790
1953	45760	79180	62020	48050	426300	19660	30870	13610	11880	5710	9110	36760	788910
1954	43040	20730	15860	32650	39530	6390	3880	7080	2780	5080	8220	7090	192330
1955	23010	84600	16240	99640	12170	5360	9910	11440	8200	5280	4210	8530	288590
1956	20610	73640	41050	17200	6720	4130	2360	1770	1580	1610	3650	8970	183290
1957	6940	13310	49130	55240	114300	37710	13250	5500	22170	39430	123300	68860	549140
1958	204000	107700	60670	34960	19880	7400	7080	4340	22490	12260	8780	8050	497610
1959	9790	67380	28240	85240	23580	10100	33830	28660	7410	18040	16200	63970	392440
1960	66680	81430	43820	12790	16290	24330	22970	7540	6110	22170	94890	91580	490600
1961	296200	142700	93050	36760	17800	64870	121100	23350	125600	14990	49040	75540	1061000
1962	58790	37650	30740	24830	50820	20860	11170	4090	5730	5820	10710	39390	300600
1963	42890	40820	27830	14220	5500	7400	11740	4190	35230	4790	15100	44870	254580
1964	50680	54740	104200	48530	26740	13010	3740	5560	4110	3500	5250	18940	339000
1965	12170	24580	29120	33300	12900	8700	3620	3180	3760	2740	8380	37750	180200
1966	52180	245400	38490	38740	53460	12390	5620	10480	6920	13380	14850	16850	508760
1967	23470	23060	20710	43920	12190	8360	4370	2170	2100	1400	2080	7690	151540
1968	16790	9730	24160	62050	76130	114700	40510	8600	11740	8050	14400	41250	428110
1969	23080	76090	96710	49500	221100	26000	7130	3610	3530	2830	5590	18060	533230
1970	20690	19110	28940	29650	65190	18060	3650	2390	3460	25300	15870	9710	242020
1971	15350	9720	18250	6190	17820	4290	1910	7710	5340	12940	11450	150600	261570
1972	91500	52160	68260	41650	141500	8990	14340	6040	5550	9630	34610	57060	531290
1973	107000	167600	149100	247200	140900	159100	76910	61230	85400	106700	104700	158700	1564540

NECHES RIVER BASIN

08041500 Village Creek near Kountze, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	350100	99100	64480	112100	35640	24860	10190	10940	29360	14780	113700	152800	1018050
1975	179500	125100	100800	81480	139500	126200	67500	97130	21240	39830	46650	44720	1069650
MAX	350100	245400	157700	247200	426300	396800	121100	97130	125600	254500	382600	358800	1564540
MIN	6940	9720	12690	6190	5500	4130	1910	1770	1580	1400	2080	7090	151540
MEAN	88454	72980	64879	64673	68936	45524	24418	15290	16931	21787	46069	59962	589903
NO.	39	39	39	39	40	41	41	41	41	40	40	40	38
DISTR OF MEAN	15.0%	12.4%	11.0%	11.0%	11.7%	7.7%	4.1%	2.6%	2.9%	3.7%	7.8%	10.2%	100%

NECHES RIVER BASIN

08041700 Pine Island Bayou near Sour Lake, Texas

LOCATION: Lat 30°06'21", long 94°20'04", Jefferson-Hardin County line, at the bridge on a county road, and 5.1 mi (8.2 km) southeast of Sour Lake.

DRAINAGE AREA: 336 mi² (870 km²).

PERIOD OF RECORD: October 1967 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level.

AVERAGE DISCHARGE: 9 years, 312,804 ac-ft/yr (385.7 hm³/yr).

EXTREMES: Period of record (1967-75): Maximum discharge, 10,900 ft³/s (309 m³/s) June 11, 1975 (elevation, 30.83 ft or 9.400 m); minimum daily, 0.58 ft³/s (0.016 m³/s) Nov. 8, 1967.

Maximum stage since at least 1917, about 31 ft (9.4 m) in September 1963, from information by local residents.

REMARKS: Records fair. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1967	-	-	-	-	-	-	-	-	-	181	152	3930	-
1968	11900	2150	8370	37480	33860	52430	23800	2150	6080	6700	1000	7110	193030
1969	1640	40390	57210	28890	48130	8320	5440	2220	1130	178	381	9040	202969
1970	2290	3490	15600	9030	26100	19190	3680	2320	4770	39560	31430	786	158246
1971	292	1960	6660	4310	8920	2380	3360	10140	2390	2870	2020	69700	115002
1972	29860	35210	23750	10140	57080	3210	5780	2070	4570	1260	36600	35680	245210
1973	51500	52160	63910	126900	44650	120900	26820	28380	68940	71580	52200	37310	745250
1974	135600	23510	11410	27330	12310	9260	4510	4780	8220	4420	90880	68080	400310
1975	83470	23910	16430	52340	39320	141300	15690	58040	4430	18250	29650	27340	510170
MAX	135600	52160	63910	126900	57080	141300	26820	58040	68940	71580	90880	69700	745250
MIN	292	1960	6660	4310	8920	2380	3360	2070	1130	178	152	786	115002
MEAN	39569	22848	25418	37053	33796	44624	11135	13763	12566	16111	27146	28775	312804
NO.	8	8	8	8	8	8	8	8	8	9	9	9	8
DISTR OF MEAN	12.6%	7.3%	8.1%	11.8%	10.8%	14.3%	3.6%	4.4%	4.0%	5.2%	8.7%	9.2%	100%

TRINITY RIVER BASIN

08042650 North Creek Subwatershed No. 28-A near Jermyn, Texas

LOCATION: Lat 33°14'52", long 98°19'19", Jack County, near the center of the earthfill dam on an unnamed tributary of North Creek, 0.2 mi (0.3 km) upstream from North Creek, and 4.0 mi (6.4 km) southeast of Jermyn.

DRAINAGE AREA: 6.82 mi² (17.66 km²).

PERIOD OF RECORD: March 1972 to December 1975.

GAGE: Water-stage recorder and flat-crested weir on the concrete drop inlet. Datum of gage is 1,090.39 ft (332.351 m) above mean sea level. Prior to Oct. 5, 1972, staff gage at same datum.

AVERAGE DISCHARGE: 4 years, 534 ac-ft/yr (0.6 hm³/yr).

EXTREMES: Period of record (1972-75): Maximum inflow, 1,430 ft³/s (40.5 m³/s), average for 5-minute interval, Oct. 30, 1974, computed from the change in the pool contents and adjusted for rainfall on the pool surface during times of peak inflow; no inflow at times each year.

REMARKS: Records fair. The pool is formed by a rolled earthfill dam 1,800 ft (549 m) long, with a 100-foot wide (30-m) earthen spillway at the left end of the dam. The crest of the emergency spillway is at gage height 33.5 ft (10.21 m). The dam was completed in March 1972 and storage began on May 12, 1972. The outlet structure consists of a 2.5- by 7.5-foot (0.8- by 2.3-m) uncontrolled concrete drop-inlet structure that is connected to a 30-inch (762-millimeter) concrete outlet pipe. The drop-inlet structure is also equipped with a 12-inch diameter (305-millimeter) slide gate near the bottom of the tower with the invert at a gage height of 8.61 ft (2.62 m). The crest of the drop inlet is at gage height 18.12 ft (5.52 m). The capacity of the pool at the crest of the emergency spillway is 1,940 ac-ft (2.39 hm³), the capacity at the crest of the drop inlet is 245 ac-ft (0.302 hm³), and the capacity at the crest of the controlled outlet pipe is 24 ac-ft (0.030 hm³).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1972	-	-	0	0	190	2.40	1.20	.70	.90	8.10	.60	.10	-
1973	2.60	1.80	3.20	2.00	1.50	4.60	152	.70	4.10	146	4.00	1.40	324
1974	.20	.20	.70	35.6	12.3	10.3	.20	64.5	109	501	67.1	3.20	804
1975	14.5	124	7.70	29.8	355	101	29.6	67.7	6.90	2.70	5.80	12.3	757
MAX	14.5	124	7.70	35.6	355	101	152	67.7	109	501	67.1	12.3	804
MIN	.20	.20	0	0	1.50	2.40	.20	.70	.90	2.70	.60	.10	324
MEAN	5.77	42.0	2.90	16.8	140	29.6	45.7	33.4	30.2	164	19.4	4.25	534
NO. OF MEAN	3	3	4	4	4	4	4	4	4	4	4	4	3
DISTR OF MEAN	1.1%	7.9%	.5%	3.2%	26.2%	5.5%	8.6%	6.3%	5.7%	30.8%	3.6%	.8%	100%

TRINITY RIVER BASIN
08042700 North Creek near Jacksboro, Texas

LOCATION: Lat 33°16'57", long 98°17'53", Jack County, at the bridge on U.S. Highway 281, 1.7 mi (2.7 km) upstream from Henderson Creek, 8.4 mi (13.5 km) upstream from the mouth, and 9.5 mi (15.3 km) northwest of Jacksboro.

DRAINAGE AREA: 21.6 mi² (55.9 km²).

PERIOD OF RECORD: August 1956 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 1,016.33 ft (309.78 m) above mean sea level.

AVERAGE DISCHARGE: 20 years, 3,425 ac-ft/yr (4.2 hm³/yr).

EXTREMES: Period of record (1956-75): Maximum discharge, 6,990 ft³/s (198 m³/s) Apr. 28, 1957 (gage height, 24.45 ft or 7.452 m); no flow at times each year.

Maximum stage since at least 1900, that of Apr. 28, 1957.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1956	-	-	-	-	-	-	-	6.30	0	984	554	101	-
1957	0	739	100	9660	6060	824	46.0	0	.20	88.0	1290	7.50	18815
1958	24.0	5.40	113	1750	1440	18.0	170	0	60.0	5.20	0	0	3586
1959	0	0	0	0	11.0	1270	883	0	9.9	2970	0	.40	5144
1960	214	198	5.00	93.0	41.0	24.0	18.0	19.0	550	93.0	0	0	1255
1961	857	36.0	1220	1.00	156	2.40	1070	4.20	65.0	227	127	.60	3766
1962	0	0	35.0	55.0	.80	2710	809	35.0	1130	59.0	446	176	5456
1963	2.00	4.40	4.00	873	128	127	0	3.20	0	0	142	0	1284
1964	33.0	17.0	0	15.0	931	15.0	0	40.0	32.0	0	974	0	2057
1965	20.0	.60	.20	65.0	1030	.20	0	0	1110	67.0	0	0	2293
1966	19.0	23.0	332	3970	199	154	0	72.0	159	3.70	.20	.70	4933
1967	.06	.10	.80	3.30	770	42.0	108	0	324	.40	0	0	1249
1968	178	17.0	808	53.0	30.0	193	191	0	11.0	0	5.90	.30	1487
1969	1.00	28.0	770	186	2070	193	0	0	157	.70	.02	338	3744
1970	5.20	31.0	110	1420	85.0	.20	0	0	0	.30	0	0	1652
1971	0	0	0	0	25.0	0	278	38.0	229	86.0	0	72.0	728
1972	8.00	3.00	11.0	47.0	1160	0	0	0	0	14.0	.06	0	1243
1973	10.0	.40	7.50	17.0	16.0	1.00	24.4	.20	46.0	240	6.00	0	588
1974	0	17.0	0	103	41.0	56.0	0	212	144	1350	563	14.0	2500
1975	32.0	201	29.0	40.0	1010	586	222	256	19.0	2.40	8.30	16.0	2422
MAX	857	739	1220	9660	6060	2710	1070	256	1130	2970	1290	338	18815
MIN	0	0	0	0	.80	0	0	0	0	0	0	0	588
MEAN	73.9	69.5	187	966	800	327	213	34.3	202	310	206	36.3	3425
NO.	19	19	19	19	19	19	19	20	20	20	20	20	19
DISTR OF MEAN	2.2%	2.0%	5.4%	28.2%	23.4%	9.6%	6.2%	1.0%	5.9%	9.0%	6.0%	1.1%	100%

TRINITY RIVER BASIN

08042800 West Fork Trinity River near Jacksboro, Texas

LOCATION: Lat 33°17'36", long 98°04'43", Jack County, at the bridge on State Highway 59, 4 mi (6 km) downstream from Big Cleveland Creek, 7 mi (11 km) upstream from Carroll Creek, and 7 mi (11 km) northeast of Jacksboro.

DRAINAGE AREA: 683 mi² (1,769 km²).

PERIOD OF RECORD: March 1956 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 869.28 ft (264.96 m) above mean sea level. Sept. 20, 1960 to May 30, 1961, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 20 years, 72,048 ac-ft/yr (88.8 hm³/yr).

EXTREMES: Period of record (1956-75): Maximum discharge, 35,100 ft³/s (994 m³/s) Apr. 27, 1957 (gage height, 32.10 ft or 9.784 m, from floodmark); no flow at times each year.

Maximum stage since at least 1900, that of Apr. 27, 1957.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1956	-	-	0	0	7540	9680	112	52.0	0	5940	6690	5740	-
1957	145	15970	3850	189600	146800	31450	1400	1.40	627	8700	29620	280	428443
1958	1740	65.0	5090	9220	27900	204	3220	87.0	227	2.00	.40	0	47755
1959	0	0	70.0	194	171	13010	2230	.20	338	34940	521	820	52294
1960	7260	4620	34.0	75.0	192	1670	1640	.60	615	4300	29.0	521	20957
1961	6890	343	4870	669	573	397	4930	827	2610	3040	5720	1360	32229
1962	4.00	0	365	7130	812	33630	12950	569	24750	1080	12950	8220	102460
1963	107	78.0	18.0	4500	2530	1140	0	33.0	5.60	8.10	2740	4.46	11606
1964	768	2010	187	3480	7230	6710	0	887	1200	179	12710	60.0	35421
1965	703	250	93.0	496	15860	3810	5.00	134	9650	2260	5.10	0	33266
1966	171	100	2670	58710	61350	198	61.0	5920	18360	565	4.90	2.70	148113
1967	0	0	0	22.0	3220	11170	3910	42.0	7080	224	118	8.70	25795
1968	7780	387	28680	2810	2400	1440	2580	510	435	88.0	1390	4.44	48944
1969	346	2160	20590	5850	46450	2010	518	36.0	6380	1200	861	8570	94971
1970	4210	2420	4930	6610	21960	157	.02	12.0	105	11.0	.10	0	40415
1971	99.0	0	0	0	591	659	475	6460	7050	5420	5.00	6140	26899
1972	11.0	0	56.0	270	74810	229	533	0	5.00	2640	6610	5.10	85169
1973	4570	756	1180	2470	1100	2490	5450	5100	2620	9530	3320	1.67	38753
1974	8.70	345	34.0	1370	2190	936	13.0	1670	9050	7890	13050	42.0	36599
1975	648	10440	2580	2620	27080	28320	15440	3760	164	13.0	21.0	48.0	91134
MAX	7780	15970	28680	189600	146800	33630	15440	6460	24750	34940	29620	8570	428443
MIN	0	0	0	0	171	157	0	0	0	2.00	.10	0	11606
MEAN	1866	2102	3765	14805	22538	7466	2773	1305	4564	4402	4818	1644	72048
NO.	19	19	20	20	20	20	20	20	20	20	20	20	19
DISTR OF MEAN	2.6%	2.9%	5.2%	20.5%	31.3%	10.4%	3.8%	1.8%	6.3%	6.1%	6.7%	2.3%	100%

TRINITY RIVER BASIN

08043000 Bridgeport Reservoir above Bridgeport, Texas

LOCATION: Lat 33° 13' 22", long 97° 49' 54", Wise County, at the left end of Bridgeport Dam on the West Fork Trinity River, 4.6 mi (7.4 km) west of Bridgeport, and 13 mi (21 km) upstream from Big Sandy Creek.

DRAINAGE AREA: 1,111 mi² (2,877 km²).

PERIOD OF RECORD: May 1932 to December 1975.

GAGE: Nonrecording gage. Datum of gage is at mean sea level. Prior to Jan. 26, 1944, nonrecording gages at various sites in the vicinity of the present gage at present datum.

EXTREMES: Period of record (1932-75): Maximum contents, 407,600 ac-ft (502.6 hm³) Apr. 29, 30, 1942 (elevation, 836.2 ft or 254.87 m); maximum elevation, 836.3 ft or 254.90 m, July 28, 1975; minimum contents since the first appreciable storage in 1935, 7,170 ac-ft (8.84 hm³) Oct. 12-16, 1956.

REMARKS: The reservoir is formed by a rolled earthfill dam 2,040 ft (622 m) long, with a capacity of 387,000 ac-ft (477.2 hm³). The dam was completed in December 1931 and storage began on Apr. 1, 1932. The original dam was 1,900 ft (579 m) long, but was lengthened to the present length (2,040 ft or 622 m) in 1971-1972. The original service spillway was eliminated during construction (1971-72), and a new spillway with approach and discharge channels was built through natural ground 2,800 ft (853 m) from the left end of the dam. The new spillway is 90 ft (27 m) wide and has eight vertical lift gates that are 11.25 by 22 ft (3.43 by 7 m). The controlled outlet works consist of a 48-inch diameter (1,219-millimeter) and an 18-inch diameter (457-millimeter) pipe encased in a concrete conduit extending through the dam. In addition, a controlled 60-inch diameter (1,524-millimeter) steel pipe extends through the service spillway wall to the spillway discharge basin. The dam is operated by the Tarrant County Water Control and Improvement District No. 1.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1932	-	-	-	-	25300	31600	38280	37640	37320	37640	34300	34300
1933	34300	34300	19400	12680	80000	40880	37320	41220	20210	23260	5600	2200
1934	9780	18440	44280	52600	53800	51800	25000	3160	12920	12440	22680	22970
1935	20480	22970	27700	28600	96200	117800	93600	76500	102140	103760	107600	118400
1936	117800	117200	116600	111800	130850	116600	98360	83500	116000	126950	105920	109400
1937	111200	111800	120800	122600	115400	116000	98900	88000	78000	78500	71860	78000
1938	91520	97820	141500	154800	171600	173000	149900	133450	107600	84000	82500	71860
1939	78000	77500	76000	77000	85000	77500	73240	61800	52600	51000	50600	49800
1940	49400	51000	50600	59800	75080	134750	146400	177000	178600	176200	236500	263000
1941	262000	277000	250000	308000	314400	305000	214000	197000	167400	264000	238300	221200
1942	196200	163200	149200	407600	358400	332000	297000	276000	267000	282000	241900	241000
1943	240100	218500	224800	213100	195400	201800	184200	157600	145000	135400	129600	130200
1944	135400	156900	169500	181000	193800	181800	164600	147100	140100	142200	144300	149900
1945	154100	166700	252000	269000	241000	232900	2649100	217600	212200	197000	170900	161800
1946	159000	159700	159700	169500	182600	184200	161800	145000	149200	134100	160400	194600
1947	188200	173800	177800	195400	221200	206800	182600	148500	122000	126300	120800	134800
1948	136700	148500	154800	154100	156900	157600	146400	130200	110600	103800	88000	82500
1949	78000	80500	84000	86000	144300	173000	164600	151300	147800	163200	161100	159700
1950	161800	166000	164600	189800	247300	262000	317700	304000	297000	235600	205900	187400
1951	180200	175400	174600	171600	179400	208600	197000	165300	161800	128000	116600	108300
1952	106400	105800	99710	95580	100300	92690	88150	67540	58900	55540	57640	58060
1953	57640	56800	57220	58480	71330	68470	62020	53880	44040	79490	80550	80550
1954	69410	68940	60220	65700	77900	79490	68000	49040	40740	34780	29840	23490
1955	20960	20960	22360	22920	34100	58480	50120	34440	45560	39660	29840	19880
1956	19880	19880	16550	15800	23490	24070	10900	8670	7480	10900	10510	21240
1957	17300	42540	47090	295000	357100	293900	282000	272500	259200	270300	297500	286800
1958	284800	280600	293200	296400	299600	284800	279500	276400	266200	259200	254200	242600
1959	234900	234000	232100	229300	226500	211100	215600	210200	205800	284800	273400	275400
1960	283500	278200	276100	275000	272900	268800	259600	241700	236900	254500	243700	422700
1961	264700	268800	260300	277100	274000	275000	277100	270900	263600	259600	258600	260600
1962	254500	248600	245600	254500	247600	281400	298800	284600	291100	271900	284600	270900
1963	268800	267700	266700	286700	263500	277100	267700	247600	241700	229300	221900	214600
1964	211000	213600	212700	214600	233100	242700	207400	196900	202100	198600	228400	226500
1965	228400	230300	229300	230300	277100	277100	268800	241700	251600	251600	249600	247600
1966	247600	251600	253500	306600	308900	292200	281400	287800	295500	283500	278200	275000
1967	272900	271900	268800	269800	278200	287800	280300	272900	275000	262600	253500	243700
1968	261600	263600	315700	306600	297700	285700	279300	274000	266700	257700	247700	247700
1969	243800	249700	297700	287900	303300	291100	277200	254700	256700	257100	256100	273400
1970	277600	282900	293700	303700	302600	285100	264200	233600	245200	242300	238400	236500
1971	227000	217800	212400	200900	190600	175000	155500	158500	147400	154000	153200	168600
1972	167800	167000	165500	167800	231700	203500	186400	155500	143700	146600	153200	144400
1973	145900	146600	149500	160000	164700	167800	175000	178200	180600	200900	204400	201800
1974	201800	201800	200900	205300	201800	190600	164700	155500	170200	188900	223300	223300
1975	225200	253100	262100	272400	326600	385700	389600	388200	381800	355400	345600	340800
MAX	284800	282900	315700	407600	358400	385700	389600	388200	381800	355400	345600	340800
MIN	9780	18440	16550	12680	23490	24070	10900	3160	7480	10900	5600	2200
MEAN	162734	164185	170159	187520	196649	195573	184757	171746	168255	169421	167483	166988
NO.	43	43	43	43	44	44	44	44	44	44	44	44
DISTR												
OF MEAN	7.7%	7.8%	8.1%	8.9%	9.3%	9.3%	8.8%	8.2%	8.0%	8.0%	8.0%	7.9%

TRINITY RIVER BASIN

08043500 West Fork Trinity River at Bridgeport, Texas

LOCATION: Lat 33°12', long 97°47', Wise County, at the Chicago, Rock Island and Gulf Railway Co. pumping plant, and 0.5 mi (0.8 km) southwest of Bridgeport.

DRAINAGE AREA: 1,147 mi² (2,970.7 km²).

PERIOD OF RECORD: September 1908 to February 1930 (published as "Trinity River", 1915 and 1916).

GAGE: Staff gage. Datum of gage is 721.0 ft (219.8 m) above mean sea level.

AVERAGE DISCHARGE: 23 years, 151,061 ac-ft/yr (186.2 hm³/yr).

EXTREMES: Period of record (1908-30): Maximum gage height, 28.9 ft (8.8 m) June 8, 1915; no flow during several periods.

REMARKS: Records fair.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1908	-	-	-	-	-	-	-	-	4000	14300	161	6270	-
1909	0	13.9	79.3	55.0	627	42600	1310	7190	1.80	6.10	4.20	1.80	51889
1910	123	111	31.0	5120	10700	8210	8920	1340	1090	226	61.3	29.5	35962
1911	33.8	989	79.3	649	387	0	8060	62100	37500	214	35.7	14000	124048
1912	79.3	5.80	3930	2710	1810	25500	361	29500	290	4220	1840	329	70575
1913	121	6.10	542	1390	29600	3420	1520	6.10	11100	12900	44300	62700	167605
1914	258	480	218	61900	101000	4110	204	75600	2260	116	127	7930	254203
1915	505	84.0	614	148800	31240	180300	1770	15620	3950	13800	327	342	397352
1916	16500	1060	1130	85700	25300	449	111	53.0	1430	11400	3130	312	146575
1917	138	235	243	5480	2710	821	14700	11900	5590	36.3	49.4	119	42022
1918	58.4	22.2	142	49600	8670	12000	1040	227	3160	25600	13500	29700	143720
1919	20900	14600	10400	19000	55900	6250	5420	3860	4950	65200	11300	400	218180
1920	7810	610	287	2840	147000	29600	9650	35400	54700	33300	7970	6700	335867
1921	3340	7940	7070	1780	1010	16300	19700	848	660	199	54.1	45.5	58947
1922	36.9	6.10	234	102000	41700	14300	3680	14.1	0	0	7260	177	169408
1923	1310	10500	3390	124000	11500	50500	1400	1120	3200	36900	55700	36800	336320
1924	1480	564	20600	6330	3380	1210	51.6	1180	1300	281	0	90.8	36467
1925	83.5	7.90	1.60	11600	28700	3750	3710	45.6	6300	3200	2410	7.70	59816
1926	8110	371	17800	17900	11600	15600	25600	20200	8200	15700	145	33100	174326
1927	9800	18900	40400	62900	1500	9040	7440	1130	4990	15700	12.0	261	172073
1928	1870	452	744	593	9040	44900	21200	3290	1110	3780	6960	2020	95959
1929	6150	572	1930	3180	56800	12100	652	3.10	10200	2650	1250	2130	97617
1930	8.60	334	-	-	-	-	-	-	-	-	-	-	-
MAX	20900	18900	40400	148800	147000	180300	25600	75600	54700	65200	55700	62700	397352
MIN	0	5.80	1.60	55.0	387	0	51.6	3.10	0	0	0	1.80	35962
MEAN	3578	2630	5232	33977	27627	22903	6500	12887	7545	11806	7118	9248	151051
NO.	22	22	21	21	21	21	21	21	22	22	22	22	21
DISTR													
OF MEAN	2.4%	1.7%	3.5%	22.5%	18.3%	15.2%	4.3%	8.5%	5.0%	7.8%	4.7%	6.1%	100%

TRINITY RIVER BASIN

08044000 Big Sandy Creek near Bridgeport, Texas

LOCATION: Lat 33°13'54", long 97°41'40", Wise County, at the bridge on U.S. Highway 380, 1.9 mi (3.1 km) upstream from Greathouse Branch, 4.0 mi (6.4 km) east of Bridgeport, and 4.4 mi (7.1 km) upstream from the mouth.

DRAINAGE AREA: 333 mi² (862 km²).

PERIOD OF RECORD: October 1936 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 727.44 ft (221.724 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 40 years, 54,848 ac-ft/yr (67.4 hm³/yr).

EXTREMES: Period of record (1936-75): Maximum discharge, 53,000 ft³/s (1,500 m³/s) June 10, 1941 (gage height, 15.69 ft or 4.782 m, from floodmark); no flow at times most years.

Maximum stage since at least 1887 occurred in 1908 and 1915 and reached about the same stage as that of June 10, 1941.

REMARKS: Records good. Since May 1, 1956, runoff from 103 mi² (267 km²) above the station is affected by Amon Carter Reservoir located 30 mi (48 km) upstream, capacity 15,240 ac-ft (18.8 hm³) at elevation 920.0 ft (280.42 m), the crest of the spillway.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1936	-	-	-	-	-	-	-	-	-	12640	998	2130	-
1937	2550	1030	3570	1490	359	497	850	1990	188	109	180	11230	24043
1938	3070	2990	15390	4480	1980	2210	59.0	0	0	0	0	0	30179
1939	1570	0	868	877	896	208	70.0	284	.40	434	0	0	5207
1940	0	26.0	0	1860	3780	16240	14570	10400	90.0	0	23090	9210	79266
1941	1570	15310	2300	31740	15920	114400	1690	612	275	70140	7790	4040	265787
1942	1610	1060	2040	93340	33280	29020	571	83.0	329	55940	577	650	218500
1943	634	508	13090	3830	13180	18660	449	0	0	60.0	0	7.30	50418
1944	219	13760	4360	5800	7570	1150	.60	670	467	1300	3630	2430	41357
1945	1440	7260	54530	26890	2070	2560	24290	155	4530	16280	697	666	141368
1946	19430	16200	14040	6880	18060	12340	234	37.0	212	0	7660	13710	108803
1947	1090	670	1740	12110	17780	1250	24.0	0	79.0	375	57.0	5980	41155
1948	1100	4350	1490	441	831	3770	375	1.40	0	0	0	0	12358
1949	5.80	165	1440	202	10130	9630	318	444	2540	12900	895	704	39374
1950	1420	4800	784	3880	17880	15830	26180	7120	14310	913	415	486	94018
1951	445	711	642	418	4410	21880	5610	4.20	141	258	43.0	0	34562
1952	12.0	62.0	249	817	4330	1090	52.0	0	0	0	181	58.0	6851
1953	.80	0	.20	434	1840	0	433	652	1.20	4710	494	2.58	8823
1954	238	80.0	54.0	169	3630	1640	29.0	0	81.0	269	0	69.0	6259
1955	0	0	30.0	86.0	832	3440	.20	0	0	1.00	0	0	4389
1956	0	87.0	0	0	1110	0	26.0	319	0	201	224	985	2952
1957	7.90	3700	931	69910	64790	23770	1.60	0	0	775	12250	805	176940
1958	1180	682	5020	2010	35990	286	842	0	0	0	143	2.00	46155
1959	27.0	40.0	52.0	13.0	4.40	25060	4640	159	395	62400	799	2410	95999
1960	8680	2900	3820	1480	1740	1740	273	0	177	3980	222	1470	26482
1961	7680	1420	3300	2070	1530	2670	320	8.70	0	118	747	1260	21124
1962	361	189	291	3540	1210	14700	1550	593	29200	1580	13750	4880	71844
1963	1380	1080	856	7940	6410	1170	41.0	9.3	47.0	0	257	331	19521
1964	580	947	635	2030	1850	372	0	541	3560	356	17730	1030	29631
1965	2770	1980	977	797	10160	4020	61.0	158	1760	1260	364	343	24650
1966	325	5230	888	11980	20580	3370	52.0	253	2420	1010	510	284	46902
1967	231	247	503	1380	7270	6250	50.0	0	210	407	298	373	17219
1968	4630	1060	21630	9800	5890	2250	476	170	105	130	450	429	47220
1969	1290	2360	18840	2580	36320	2310	31.0	15.0	1220	461	252	5250	70929
1970	1230	1740	3340	9810	5010	498	3.80	0	3740	365	175	217	26129
1971	276	289	325	230	221	195	766	1100	1150	9160	986	11060	25758
1972	846	787	784	1210	9540	532	85.0	0	0	2340	1330	236	17690
1973	1730	1370	2010	5240	3150	3180	11130	14160	407	11230	4160	1020	58787
1974	849	1560	1090	4180	2640	535	0	897	2320	11100	11840	1270	38281
1975	1850	9610	7730	7830	10290	7120	4350	1120	105	91.0	185	352	50633
MAX	19430	16200	54530	93340	64790	114400	26180	14160	29200	70140	23090	13710	265787
MIN	0	0	0	0	4.40	0	0	0	0	0	0	0	2952
MEAN	1860	2725	4863	8712	9858	9124	2577	1076	1796	7082	2834	2141	54648
NO.	39	39	39	39	39	39	39	39	39	40	40	40	39
DISTR OF MEAN	3.4%	5.0%	8.9%	15.9%	18.0%	16.7%	4.7%	2.0%	3.3%	13.0%	5.2%	3.9%	100%

TRINITY RIVER BASIN

08044500 West Fork Trinity River near Boyd, Texas

LOCATION: Lat 33°05'08", long 97°33'30", Wise County, at the bridge on Farm Road 730, 0.6 mi (1.0 km) northeast of Boyd, and 3.5 mi (5.6 km) downstream from Boggy Creek.

DRAINAGE AREA: 1,725 mi² (4,468 km²).

PERIOD OF RECORD: January 1947 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 660.57 ft (201.342 m) above mean sea level, datum of 1929. Prior to Dec. 14, 1954, water-stage recorder at site 2.2 mi (3.5 km) downstream at datum 5.48 ft (1.670 m) lower.

AVERAGE DISCHARGE: 29 years, 158,994 ac-ft/yr (196.0 hm³/yr).

EXTREMES: Period of record (1947-75): Maximum discharge, 27,300 ft³/s (773 m³/s) Oct. 5, 1959 (gage height, 22.17 ft or 6.757 m); no flow at times.

Maximum stage since at least 1880, 25 ft (7.6 m), present site and datum, in May 1908, from information by local residents, who also reported a flood of about the same height in the period 1870-80.

REMARKS: Records good. The flow is largely regulated by Bridgeport Reservoir (station 08043000) and by Amon Carter Reservoir near Bowie since May 1956.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1947	11090	13260	4180	16780	16970	14880	19080	30240	23210	2730	5710	15710	173840
1948	8400	15020	3480	917	1970	9580	13860	13080	16850	2380	12050	8450	106037
1949	7140	430	4490	831	20390	14260	3770	12620	13250	28190	1120	774	107265
1950	1560	7660	915	10400	44240	17570	81760	71170	62150	64280	27570	21740	411015
1951	9080	6370	1080	824	12650	31390	20000	24380	585	13720	11320	8190	139589
1952	115	137	6780	10080	4170	5070	2240	14430	7480	326	1290	136	52254
1953	102	5.80	157	622	7170	164	6870	15410	10190	23220	1680	681	66272
1954	14180	208	7960	319	23170	2110	9000	14890	6390	10590	6550	7250	102617
1955	3010	6.30	16.0	35.0	5720	7310	12680	13190	12400	6660	6640	11240	78907
1956	46.0	59.0	2230	1130	5610	4790	11040	576	14.0	182	7140	3690	36507
1957	4000	7690	2260	92180	279100	141200	8330	2080	8200	1310	36060	12400	594810
1958	8340	5360	17320	27470	147700	11190	6470	2670	6700	2880	4060	10570	250730
1959	6020	237	362	198	1550	43170	9840	1750	473	126500	9390	5000	204490
1960	29650	18880	9020	3150	3080	6780	10020	12000	4790	4090	7040	3950	112450
1961	11120	2080	7650	4950	2850	16550	2130	1210	6910	4240	7480	1200	68370
1962	4610	5320	2510	16340	5460	27470	12580	11550	97790	24430	13910	32230	254200
1963	2270	1320	1370	18890	16430	5130	1870	14890	1050	9310	7590	5760	85880
1964	7290	1280	1140	12440	15400	3760	27890	8770	9950	395	38970	1600	128885
1965	4680	4630	1710	1590	24010	5810	790	22140	6610	1510	624	637	74741
1966	657	8180	1230	8970	111900	21790	5970	2670	24550	8860	3550	1740	200067
1967	847	616	2680	2240	14390	30990	5430	1080	6810	7200	9490	10170	91943
1968	11370	1730	50800	59780	28970	18190	8270	3140	4030	4060	10850	762	201952
1969	9500	4060	36070	28360	94050	19070	5910	18570	6490	2920	815	10100	235915
1970	4980	5370	33250	28210	36200	13220	12640	24160	10170	1070	526	612	170408
1971	8070	8390	3530	11190	12600	14160	22370	5980	19940	12860	1710	21890	142690
1972	1740	1120	845	5570	12840	23280	13970	26830	11360	6760	2880	9630	116825
1973	10460	2960	3470	14170	10120	8180	4670	23470	2570	12690	5360	2270	100410
1974	1370	1990	1410	8690	6620	9690	19850	11880	7330	22340	40760	2490	134420
1975	2400	14340	9780	11580	20060	39770	32550	6650	766	17830	5710	5870	167306
MAX	29650	18880	50800	92180	279100	141200	81760	71170	97790	126500	40760	32230	594810
MIN	46.0	5.80	16.0	35.0	1550	164	790	576	14.0	182	526	136	36507
MEAN	6348	4784	7507	13721	33979	19535	13512	14189	13414	14605	9926	7474	158994
NO.	29	29	29	29	29	29	29	29	29	29	29	29	29
DISTR													
OF MEAN	4.0%	3.0%	4.7%	8.6%	21.4%	12.3%	8.5%	8.9%	8.4%	9.2%	6.2%	4.7%	100%

TRINITY RIVER BASIN

08045000 Eagle Mountain Reservoir above Fort Worth, Texas

LOCATION: Lat 32°52'39", long 97°28'29", Tarrant County, at the right end of the main section (left) of Eagle Mountain Dam on the West Fork Trinity River, and 11.8 mi (19.0 km) northwest of Fort Worth.

DRAINAGE AREA: 1,970 mi² (5,102 km²).

PERIOD OF RECORD: February 1934 to December 1975.

GAGE: Nonrecording gage. Datum of gage is at mean sea level. Prior to Feb. 24, 1943, nonrecording gages at several sites within 1.0 mi (1.6 km) of present site at present datum.

EXTREMES: Period of record (1934-75): Maximum contents, 333,500 ac-ft (411 hm³) Apr. 26, 1942 (elevation, 659.9 ft or 201.14 m); minimum contents since the first appreciable storage in 1935, 57,690 ac-ft (71.1 hm³) Nov. 19, 20, 1956.

REMARKS: The reservoir is formed by two sections of rolled earthfill and a concrete spillway separated by high natural ground, with a capacity of 190,400 ac-ft (234.8 hm³). The total length of the dam, including the spillway, is 4,800 ft (1,460 m). The dam was completed on Oct. 24, 1932 and storage began on Feb. 28, 1934. The emergency spillway is a 1,300-foot wide (396-m) cut through natural ground located between the two sections of earthfill that make up the dam. The original service spillway, located in the section to the right of the main dam, contains a concrete spillway with four 24-foot (8-m) bays, three are equipped with vertical lift gates and the fourth is left open. In 1971, a side-channel spillway was constructed. The newest spillway is located 300 ft (91 m) to the left of the original service spillway and has six 11.25- by 22-foot wide (3.43- by 7-m) roller lift gates. The main section of the dam contains the outlet works that consist of two concrete conduits with two 48-inch diameter (1,219-millimeter) valves in each conduit. The reservoir is used for flood control and maintains the water level of Lake Worth from which the City of Fort Worth derives part of its municipal water supply. The dam is operated by the Tarrant County Water Control and Improvement District No. 1.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1934	-	0	16010	16010	19100	9320	15550	19100	21350	20350	28320	27200
1935	31200	33900	37700	37700	173400	160000	167200	155500	164000	163200	167200	177000
1936	160800	160000	160000	154800	168000	163200	163200	160800	191400	175200	168000	173400
1937	178600	170700	174300	169800	168000	164800	168900	175200	168900	166400	168900	176100
1938	179700	175200	212100	171600	168900	166400	175200	166400	171600	179700	169800	177000
1939	169800	170700	162400	176100	173400	168900	162400	162400	161600	151800	150200	149500
1940	148000	148800	147200	150200	161600	185100	182400	184200	181500	174300	203100	174300
1941	170700	171600	185100	191400	188700	267300	190500	176100	169800	171600	168900	176100
1942	156200	164800	164000	301400	223400	195000	154800	151000	120800	123350	120100	121400
1943	121400	142200	169800	171600	213000	209400	210300	211200	211200	210300	210300	212100
1944	214900	219600	208500	210300	208500	209400	213000	215800	211200	210300	211200	212100
1945	213000	221600	219600	209400	209400	209400	211200	211200	213000	211200	211200	208500
1946	207600	209400	213000	208500	218700	209400	209400	204000	194100	201300	206700	207600
1947	194100	196800	198600	204000	200400	205800	204000	205800	207600	191400	195000	204900
1948	204900	225400	207600	202200	201300	191400	186000	177000	177900	176100	177000	179700
1949	185100	187800	195000	195900	228200	217800	201300	200400	199500	220600	203100	196800
1950	198600	204900	199500	204900	213000	204900	220600	199500	196800	207600	194100	197700
1951	199500	201300	188700	186900	194100	198600	202200	207600	195900	166100	168600	169400
1952	163700	159000	157400	166900	166100	152000	138600	137200	135000	125200	126500	123800
1953	119100	115800	111900	110700	117100	105000	101400	105000	101400	119800	118500	114500
1954	124500	119100	123100	119100	129300	124500	117800	117100	110000	108700	106900	111900
1955	110700	108700	105000	100800	106300	110000	107500	107500	109400	107500	105700	111300
1956	108700	108700	103800	99050	105000	97280	92680	92680	65100	59840	61580	62900
1957	61580	69230	68760	172700	267700	183700	181900	173500	176000	172700	175200	176000
1958	171000	169400	167800	169400	163700	184700	181100	170200	170200	169400	162900	171000
1959	170200	169400	164500	159000	154300	181900	183700	172700	165300	163700	171000	177700
1960	169400	172700	176000	176900	176900	169400	168600	169400	165300	161400	161400	162100
1961	171900	174300	177700	174300	170200	180200	175200	161400	160600	160600	165300	162100
1962	162100	162100	160600	172700	162900	176900	181100	181900	177700	182700	185600	181900
1963	181100	181100	176000	181900	183700	179400	170200	166900	158200	159000	159000	158200
1964	161400	159000	159000	169400	169400	166100	171000	170200	176900	173500	181900	181900
1965	182700	180200	177700	179400	184700	182700	171000	174300	183700	177700	175200	172700
1966	167800	175200	170200	190400	184700	183700	177700	166900	181900	179400	175200	172700
1967	169400	164500	163700	165300	167800	181900	175200	162900	162100	159000	161400	164500
1968	174300	172700	181100	175200	176000	181900	181900	169400	165300	170000	174300	169200
1969	169200	173400	183100	182200	187700	190400	176900	177800	177800	179600	173400	177800
1970	175200	185800	180400	187700	184900	184900	177800	179600	167700	181300	177800	170900
1971	171700	175200	169200	171700	170900	169200	172600	170000	174300	181300	172600	186800
1972	184600	181300	176900	170900	171700	175200	170900	175200	171700	173400	172600	171700
1973	176900	179600	179600	187700	187700	186800	186800	182200	178700	187700	189500	185800
1974	185800	182200	176000	177800	173400	170000	169200	176000	189500	224300	188600	189500
1975	189500	188600	188600	189500	188600	190400	189500	184900	174300	176000	173400	172600
MAX	214900	225400	219600	301400	267700	267300	220600	215800	213000	224300	211200	212100
MIN	31200	0	16010	16010	19100	9320	15550	19100	21350	20350	28320	27200
MEAN	164785	162665	163266	169366	176233	174864	170439	167024	166123	166082	165171	165960
NO.	41	42	42	42	42	42	42	42	42	42	42	42
DISTR OF MEAN	8.2%	8.1%	8.1%	8.4%	8.8%	8.7%	8.5%	8.3%	8.3%	8.3%	8.2%	8.2%

TRINITY RIVER BASIN

08045500 West Fork Trinity River at Lake Worth Dam above Fort Worth, Texas

LOCATION: Lat 32°48', long 97°25', Tarrant County, in the valve tower just above Lake Worth Dam, and 4.5 mi (7.2 km) northwest of the Tarrant County Courthouse in Fort Worth.

DRAINAGE AREA: 2,069 mi² (5,358.7 km²).

PERIOD OF RECORD: September 1923 to September 1934.

GAGE: Water-stage recorder. Datum of gage is 594.3 ft (181.1 m) above mean sea level.

AVERAGE DISCHARGE: 12 years, 226,438 ac-ft/yr (279.2 hm³/yr).

EXTREMES: Period of record (1923-34): Maximum discharge, 7,600 ft³/s (215.2 m³/s) November 18, 1923 (gage height, 2.25 ft or 0.69 m); no flow at times.

REMARKS: Records fair. The flow is materially regulated by Eagle Mountain Reservoir (station 08045000).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	0	26600	86700	86600	-
1924	4820	2380	55200	23700	14300	4230	0	0	0	0	0	0	104630
1925	0	0	0	0	46200	0	548	0	0	1820	3810	0	52378
1926	11300	877	33500	36500	22800	19600	24400	39700	43600	15400	173	36300	284150
1927	15800	27900	70200	122000	8010	7900	9760	1300	3460	20800	0	4430	291560
1928	2150	3220	1490	5210	24300	70200	44100	16600	1060	0	8030	9100	185460
1929	13200	4400	6390	9400	102000	38100	0	0	315	0	666	2300	176771
1930	0	0	0	0	115000	49500	462	0	0	86700	2860	44100	298622
1931	2080	30100	33500	27400	6760	4510	4030	713	0	45900	12600	21000	188593
1932	120000	97800	19400	1400	40300	20300	95300	113	25600	1100	0	15300	435524
1933	28500	1820	60000	25000	46500	67200	461	460	23100	902	4680	3810	261126
1934	2530	2220	1130	2200	1990	2150	4330	3650	0	-	-	-	-
MAX	120000	97800	70200	122000	115000	70200	95300	39700	43600	86700	86700	86600	435524
MIN	0	0	0	0	1990	0	0	0	0	0	0	0	52378
MEAN	18216	15520	25528	22983	38924	25790	16672	5647	8095	17931	10865	20267	226438
NO.	11	11	11	11	11	11	11	11	12	11	11	11	10
DISTR OF MEAN	8.0%	6.9%	11.3%	10.1%	17.2%	11.4%	7.4%	2.5%	3.6%	7.9%	4.8%	9.0%	100%

TRINITY RIVER BASIN
08046000 Clear Fork Trinity River near Aledo, Texas

LOCATION: Lat 32°38'28", long 97°33'51", Parker County, 3 mi (5 km) downstream from Turkey Creek, 3.5 mi (5.6 km) upstream from the bridge on U.S. Highway 377, 4 mi (6 km) southeast of Aledo, and 11.8 mi (19.0 km) upstream from Benbrook Dam.

DRAINAGE AREA: 251 mi² (650 km²).

PERIOD OF RECORD: August 1947 to September 1975.

GAGE: Water-stage recorder. Datum of gage is 723.33 ft (220.471 m) above mean sea level.

AVERAGE DISCHARGE: 29 years, 29,595 ac-ft/yr (36.5 hm³/yr).

EXTREMES: Period of record (1947-75): Maximum discharge, 34,000 ft³/s (963 m³/s) May 25, 1957 (gage height, 29.00 ft or 8.839 m); no flow at times most years.

Maximum stage since at least 1858, 34 ft (10.4 m) in April 1922, from information by a local resident.

REMARKS: Records good. Since Dec. 15, 1956, Lake Weatherford, about 15 mi (24 km) upstream, has partly controlled the runoff from 109 mi² (282 km²) above the station. Lake Weatherford has a capacity of 19,470 ac-ft (24.0 hm³) at elevation 896.0 ft (273.10 m), a fixed glory-hole outlet, and total storage of 29,580 ac-ft (36.5 hm³) at elevation 903.0 ft (275.23 m), the emergency flood spillway.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1947	-	-	-	-	-	-	-	5.80	6.30	483	272	3520	-
1948	3720	13300	4480	1260	2430	668	353	16.0	0	0	24.0	105	26356
1949	414	1370	8030	1900	32730	10100	862	539	954	7860	1000	930	66689
1950	2280	6720	2380	11650	16100	2090	6200	4030	12820	1400	1080	1160	67910
1951	1220	1500	1360	871	2310	5900	1920	31.0	67.0	104	230	156	15669
1952	224	212	327	2180	1510	94.0	0	0	0	0	874	126	5547
1953	140	130	312	426	2800	13.0	39.0	0	0	2280	111	86.0	6337
1954	154	121	138	334	391	0	13.0	.60	0	0	0	0	1152
1955	0	0	170	94.0	5090	5500	639	0	396	671	0	0	12560
1956	34.0	418	82.0	546	4900	54.0	0	0	0	87.0	0	132	6253
1957	0	972	100	12480	69370	16450	1820	78.0	37.0	570	870	626	103373
1958	940	778	1950	6600	16830	754	571	255	407	141	111	310	29647
1959	298	309	299	396	143	793	300	0	0	16760	827	849	20974
1960	5600	2250	1160	1030	1830	408	1330	20.0	4.60	7.30	59.0	176	13875
1961	671	766	1480	958	353	725	309	0	30.0	81.0	226	310	5909
1962	222	233	308	968	130	613	8980	9540	9780	2920	1040	1240	35974
1963	836	492	563	4890	4990	1440	137	.60	0	0	7.10	70.0	13426
1964	360	301	534	316	559	58.0	0	57.0	1580	77.0	3810	500	8152
1965	1580	3290	1230	1330	13670	1350	109	3.40	2100	188	281	446	25577
1966	464	1570	714	12070	20080	3540	685	281	493	287	333	413	40930
1967	385	393	482	457	452	257	2.00	0	165	40.0	392	373	3398
1968	697	908	13560	8360	8070	2020	982	352	855	272	474	562	37112
1969	656	909	7330	9820	13960	1380	633	309	3490	4000	1290	3600	47377
1970	3730	6700	21610	7610	5190	1440	158	7.70	500	411	437	563	48577
1971	603	516	455	380	518	78.0	665	283	135	1300	566	7220	12719
1972	1180	728	1030	1830	750	192	0	0	617	806	399	257	7789
1973	1450	2780	1570	3570	2580	3380	3370	5440	514	6870	2250	1230	35004
1974	964	994	1020	1080	1590	193	107	2500	1840	11290	32790	3330	57698
1975	3110	15680	4140	12180	4440	25170	4140	1060	602	-	-	-	-
MAX	5600	15680	21610	12480	69370	25170	8980	9540	12820	16760	32790	7220	103373
MIN	0	0	82.0	94.0	130	0	0	0	0	0	0	0	1152
MEAN	1140	2298	2751	3771	8349	3024	1226	855	1289	2104	1777	1011	29595
NO.	28	28	28	28	28	28	28	29	29	28	28	28	27
DISTR OF MEAN	3.9%	7.8%	9.3%	12.7%	28.2%	10.2%	4.1%	2.9%	4.4%	7.1%	6.0%	3.4%	100%

TRINITY RIVER BASIN

08046500 Benbrook Lake near Benbrook, Texas

LOCATION: Lat 32°39'02", long 97°26'54", Tarrant County, in the intake structure of Benbrook Dam on the Clear Fork Trinity River, 2.5 mi (4.0 km) south of Benbrook, 3.5 mi (5.6 km) upstream from Marys Creek, and 14.6 mi (23.5 km) upstream from the mouth.

DRAINAGE AREA: 429 mi² (1,111 km²).

PERIOD OF RECORD: September 1952 to December 1975. Prior to October 1970, published as "Benbrook Reservoir".

GAGE: Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES: Period of record (1952-75): Maximum contents, 185,000 ac-ft (228 hm³) June 6, 1957 (elevation, 713.35 ft or 217.429 m); minimum contents since the lake was first filled in 1957, 64,630 ac-ft (79.7 hm³) Sept. 15, 1964 (elevation, 687.18 ft or 209.452 m).

REMARKS: The lake is formed by a rolled earthfill dam 9,130 ft (2,780 m) long, including a 500-foot (150-m) uncontrolled off-channel concrete-gravity spillway with a 100-foot (30-m) notch in the center of an ogee weir section. The capacity of the lake is 88,250 ac-ft (108.8 hm³). The outlet works consist of a 13.0-foot diameter (4.0-m) concrete conduit controlled by two 6.5- by 13.0-foot (2.0- by 4.0-m) broome-type gates and two 30-inch (762-millimeter) steel pipes controlled by slide gates. Deliberate impoundment began on Sept. 29, 1952. From August 1950 to Sept. 28, 1952, the lake was operated as a detention basin only. The lake was built for flood control, navigation, and low-flow regulation. The dam is operated by the U.S. Army Corps of Engineers.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1952	-	-	-	-	-	-	-	-	28.0	40.0	936	1020
1953	1050	1060	1480	2950	8880	8060	7560	7050	6580	8360	8280	8140
1954	8320	8200	7970	9360	9650	8790	7850	6900	6190	5730	5540	5380
1955	5270	5220	5280	5170	10730	16540	16090	15100	16040	15720	15040	14740
1956	14590	14820	14340	14470	20030	18820	17240	15770	14520	15050	14680	14890
1957	14840	15770	15900	64760	177100	99900	87470	81800	81110	82850	87690	87800
1958	88710	87500	87620	101300	86460	85310	85490	83400	83650	83220	82710	82420
1959	81070	80790	80360	82020	81660	82640	81440	78200	76660	87620	87470	88140
1960	86830	87430	84900	84860	86090	83940	84940	83180	80290	78480	76830	76940
1961	76760	79550	81180	82200	81510	83940	81580	77630	74860	75520	75350	75690
1962	75800	73260	72920	74480	72150	74340	82160	87690	87650	87500	87950	88250
1963	88250	88030	87800	91150	89240	86160	82740	79080	76900	74410	72950	71880
1964	73060	73220	75170	75690	75140	72580	69380	66800	70240	68730	77530	79330
1965	85050	89620	68440	88630	89580	88330	84450	80860	80570	79620	79370	79650
1966	79760	82060	82560	110900	107400	88590	87760	88400	88670	87540	87100	87020
1967	87020	86420	86870	87060	86350	85600	84020	81330	82060	80220	79550	79970
1968	89810	89510	85010	97210	97170	90310	90120	88940	88440	87020	86870	86420
1969	86610	87620	97370	90420	90310	91070	87760	85790	87990	90460	90650	93200
1970	88290	94970	92180	108100	89510	89010	85610	82560	62850	82130	81150	80430
1971	79160	79400	76040	75790	74450	72280	71540	71200	70040	79930	81550	94220
1972	87540	89890	90610	88900	87470	85420	83250	80710	79690	80890	81360	81550
1973	86050	89360	88400	97130	88520	88250	92570	88400	88290	89470	88670	87950
1974	90120	88060	89160	89200	69810	87500	80180	86020	89580	101900	88360	90350
1975	93200	90490	89610	88320	93500	88550	89120	86750	84860	83390	82550	82950
MAX	93200	94970	97370	110900	177100	99900	92570	88940	89580	101900	90650	94220
MIN	1050	1060	1480	2950	8880	8060	7560	6900	28.0	40.0	936	1020
MEAN	68137	68793	68747	74351	77944	72867	71318	69720	66573	67742	67506	68264
NO.	23	23	23	23	23	23	23	23	24	24	24	24
LISTR												
OF MEAN	8.1%	8.2%	8.2%	8.8%	9.3%	8.7%	8.5%	8.3%	7.9%	8.0%	8.0%	8.1%

TRINITY RIVER BASIN

08047000 Clear Fork Trinity River near Benbrook, Texas

LOCATION: Lat 32°39'54", long 97°26'30", Tarrant County, 1.5 mi (2.4 km) downstream from Benbrook Dam, 1.7 mi (2.7 km) southeast of Benbrook, and 2.9 mi (4.7 km) upstream from Marys Creek.

DRAINAGE AREA: 431 mi² (1,116 km²).

PERIOD OF RECORD: July 1947 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 604.22 ft (184.166 m) above mean sea level.

AVERAGE DISCHARGE: 29 years, 52,081 ac-ft/yr (64.2 hm³/yr).

EXTREMES: Period of record (1947-75): Maximum discharge, 82,900 ft³/s (2,350 m³/s) May 17, 1949 (gage height, 28.72 ft or 8.754 m); no flow at times most years.

Maximum discharge since construction of Benbrook Dam in 1952, 4,350 ft³/s (123 m³/s) June 26, 1957 (gage height, 11.28 ft or 3.438 m).

Maximum stage known since at least 1922, that of May 17, 1949.

REMARKS: Records good. The flow is regulated by Benbrook Lake (station 08046500) since September 1952.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1947	-	-	-	-	-	-	365	47.0	491	957	609	6740	-
1948	6920	24420	15340	3140	4640	1920	2460	41.0	8.50	0	0	98.0	58988
1949	667	5000	15870	6430	109100	16140	2290	815	977	7540	1250	1190	167269
1950	5130	20430	5460	19670	24420	4230	6770	4410	16730	2230	1340	1380	112200
1951	1280	1570	1420	1130	2370	10970	1990	28.0	43.0	79.0	252	272	21404
1952	223	362	332	2960	6950	446	36.0	28.0	1.20	0	46.0	13.0	11397
1953	0	0	8.10	53.0	76.0	0	1.80	0	0	446	21.0	2.60	608
1954	0	0	65.0	27.0	116	255	266	303	254	210	72.0	87.0	1655
1955	85.0	60.0	77.0	81.0	149	111	215	279	270	256	171	48.0	1802
1956	90.0	291	54.0	136	165	191	248	300	353	244	70.0	89.0	2231
1957	35.0	40.0	85.0	562	11810	107300	12060	3290	694	125	386	2440	138827
1958	2770	3240	7730	5190	47170	668	480	617	372	339	377	860	69813
1959	1700	1080	10.0	6.10	0	0	126	1240	753	11320	2160	5460	23855
1960	18690	5860	5830	1920	696	708	507	466	874	654	401	681	37287
1961	2700	1770	5380	964	173	1190	1120	1700	1440	147	100	396	17080
1962	179	3170	501	394	891	8.90	12.0	831	9760	1200	53.0	706	17706
1963	238	251	495	1890	6020	2420	915	1110	350	771	511	361	15332
1964	44.0	23.0	394	869	864	787	1070	1130	1370	423	122	55.0	7151
1965	1360	18550	6560	3350	32910	4450	1720	1650	851	454	449	30.0	72334
1966	41.0	40.0	419	654	40800	33310	415	151	66.0	1890	12.0	25.0	77823
1967	25.0	250	12.0	28.0	683	654	642	382	1110	567	602	97.0	5052
1968	691	6680	42320	495	29190	10250	116	127	40.0	317	397	296	90919
1969	58.0	20.0	44.0	19620	37650	141	1340	264	66.0	46.0	18.0	1540	61007
1970	10420	6070	46010	275	28360	1450	882	980	105	66.0	3.20	426	95047
1971	923	6.30	2630	594	1020	566	998	6.30	11.0	264	28.0	35240	42287
1972	15680	29.0	10.0	5210	1970	91.0	125	506	79.0	127	118	60.0	24005
1973	66.0	4640	8810	10670	15140	19310	940	5340	48.0	5140	2200	1350	73654
1974	1930	3830	32.0	88.0	570	1460	5350	567	85.0	6990	55430	5010	81342
1975	5550	36200	7940	23830	2810	47510	5140	1470	320	37.0	102	12.0	130921
MAX	18690	36200	46010	23830	109100	107300	12060	5340	16730	11320	55430	35240	167269
MIN	0	0	8.10	6.10	0	0	1.80	0	0	0	0	2.60	608
MEAN	2768	5139	6209	3937	14533	9519	1676	968	1294	1477	2321	2240	52081
NO.	28	28	28	28	28	28	29	29	29	29	29	29	28
DISTR OF MEAN	5.3%	9.9%	11.9%	7.6%	27.9%	18.3%	3.2%	1.9%	2.5%	2.8%	4.5%	4.3%	100%

TRINITY RIVER BASIN

08047500 Clear Fork Trinity River at Fort Worth, Texas

LOCATION: Lat 32°43'56", long 97°21'31", Tarrant County, at the Fort Worth pumping station, 240 ft (73 m) upstream from the Texas and Pacific Railway Co. bridge in Fort Worth, 830 ft (253 m) upstream from the East-West Expressway bridge, 2.5 mi (4.0 km) upstream from the mouth, 5 mi (8 km) downstream from Marys Creek, and 10 mi (16 km) downstream from Benbrook Dam.

DRAINAGE AREA: 518 mi² (1,342 km²).

PERIOD OF RECORD: March 1924 to December 1975.

GAGE: Water-stage recorder and concrete control. Datum of gage is 532.91 ft (162.431 m) above mean sea level, datum of 1929. Prior to Apr. 3, 1970, various nonrecording and recording gages within 650 ft (198 m) of present site at different datums.

AVERAGE DISCHARGE: 52 years, 76,114 ac-ft/yr (93.8 hm³/yr).

EXTREMES: Period of record (1924-75): Maximum discharge, 107,000 ft³/s (3,030 m³/s) May 17, 1949 (gage height, 28.20 ft or 8.595 m, present datum); no flow at times most years.

Maximum stage since at least 1900, 28.20 ft (8.595 m) May 17, 1949, present datum.

REMARKS: Records good. The flow is largely regulated by Benbrook Lake (station 08046500).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	25700	12700	16800	5820	431	1140	0	0	0	0	-
1925	281	314	406	4810	24100	145	0	0	0	2620	516	12.3	33204
1926	3070	301	3000	10300	6160	1690	1990	4610	6200	418	146	518	38403
1927	349	510	3730	2860	479	826	43.0	.20	148	2380	4.20	304	11633
1928	357	7480	3070	25300	1540	3270	738	315	52.0	0	190	9280	51592
1929	3900	14700	11200	9100	14000	5150	302	17.0	1.80	0	0	277	58648
1930	36.0	64.0	337	79.0	29400	1050	7.40	0	0	4590	666	4890	41119
1931	1760	8280	10900	6720	3030	1430	512	97.8	4.20	3.10	0	65.0	32802
1932	45900	39300	10200	3230	6210	6720	9220	298	15600	504	744	4890	142816
1933	6460	6610	19200	5520	11600	1550	3520	1880	372	33.0	0	209	56954
1934	713	739	3790	3540	2650	20.0	1.20	0	0	0	176	.80	11630
1935	2870	995	1690	1480	75800	14570	950	7.30	1420	695	977	2590	104044
1936	893	722	427	170	6080	256	0	0	27150	6590	3050	4750	50088
1937	4740	2100	9540	2760	994	6090	378	0	40.0	1330	1000	7600	36572
1938	27900	38960	26290	17220	7530	2080	1320	97.2	2.00	0	0	.80	121400
1939	158	268	301	5180	5260	1450	536	49.0	0	0	0	12.0	13214
1940	0	0	0	741	5020	5010	9450	955	6.10	0	11850	33380	66412
1941	9970	46780	16300	14490	22040	35740	4500	4960	421	3710	1320	2010	162241
1942	1510	1160	1330	123900	52270	19090	1830	1550	2540	21740	4990	4070	235980
1943	2890	1960	8650	7820	18200	7910	303	.80	2780	29.0	0	302	50845
1944	676	10040	6150	4730	28950	3530	455	1320	864	2140	1080	3200	63135
1945	6620	59600	76470	60620	12380	4560	4640	500	340	2110	1300	1180	230320
1946	4080	11290	7670	3960	14240	6030	332	3150	846	1960	25660	22300	101518
1947	10100	5150	10550	10780	4920	8950	634	117	1120	805	695	7610	61431
1948	8640	34340	19660	4020	5730	2330	2660	0	.40	.60	0	5.40	77386
1949	667	8200	21570	8740	141600	23330	3000	977	940	9850	1490	1330	221694
1950	7130	28780	7100	26630	32910	5250	7800	5300	22360	2420	1490	1740	148910
1951	1540	1950	1560	1110	2980	13030	2130	.80	.40	0	12.0	196	24509
1952	380	838	646	4050	7940	441	6.00	63.0	14.0	0	775	364	15517
1953	215	158	290	1410	2030	16.0	618	541	86.0	1190	382	142	7078
1954	234	180	248	186	604	36.0	46.0	33.0	16.0	101	50.0	136	1870
1955	198	300	690	304	1010	1350	107	108	251	226	115	127	4786
1956	152	442	56.0	642	2940	630	57.0	41.0	61.0	577	64.0	369	6031
1957	140	590	837	26840	51310	125900	15160	2970	1050	1030	1790	3370	230987
1958	3590	3170	9980	11970	61140	1240	1130	988	1150	1240	1030	1230	97858
1959	1650	1520	261	549	210	1440	824	1450	994	19610	3440	7920	39868
1960	25610	9050	7040	2980	1370	799	1430	1230	983	1080	507	1410	53489
1961	4440	3760	7360	2140	662	4920	1790	1770	2280	1790	625	1100	32637
1962	679	3990	1010	1600	998	497	1620	3070	14570	2850	848	1670	33402
1963	750	525	827	3660	8250	3100	1140	1270	697	601	524	578	21922
1964	903	540	2510	1710	2210	783	1160	2090	8310	760	3090	1920	25986
1965	4620	28610	9030	4780	44520	5140	2650	1780	1630	857	998	462	105077
1966	367	693	1000	13460	50180	38780	1160	2070	617	2970	314	291	111902
1967	529	478	429	1450	2250	768	769	147	1470	1030	829	1210	11359
1968	3550	7800	50420	3970	34130	12850	1270	313	462	909	836	447	116957
1969	564	1090	5780	25480	45980	1570	1470	654	3280	1990	967	4200	93025
1970	12530	12490	58620	6990	32560	2150	1130	1510	2590	676	238	800	132284
1971	977	530	2780	1650	2000	864	2630	853	221	4060	1320	43390	61275
1972	15030	1210	692	5230	2390	185	55.0	477	700	2990	1230	687	30876
1973	2450	8360	12550	14540	16440	25980	5930	5550	909	8260	3460	2360	106789

TRINITY RIVER BASIN
08047500 Clear Fork Trinity River at Fort Worth, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	3080	4590	828	569	1700	3070	5010	3660	3260	12410	64820	8260	111257
1975	9240	47290	12380	33090	7200	57230	9410	2630	975	91.0	404	632	180572
MAX	45900	59600	76470	123900	141600	125900	15160	5550	27150	21740	64820	43390	235980
MIN	0	0	0	79.0	210	16.0	0	0	0	0	0	0	1670
MEAN	4806	9192	9482	10534	17940	9166	2197	1204	2496	2524	2808	3765	76114
NO.	51	51	52	52	52	52	52	52	52	52	52	52	51
DISTR OF MEAN	6.3%	12.1%	12.5%	13.8%	23.6%	12.0%	2.9%	1.6%	3.3%	3.3%	3.7%	4.9%	100%

TRINITY RIVER BASIN

08048000 West Fork Trinity River at Fort Worth, Texas

LOCATION: Lat 32°45'39", long 97°19'56", Tarrant County, 125 ft (38 m) upstream from the Texas Electric Service Co.'s concrete dam, 980 ft (299 m) downstream from the centerline of Paddock Viaduct (North Main Street) at Fort Worth, and 2,600 ft (792 m) downstream from the Clear Fork Trinity River.

DRAINAGE AREA: 2,615 mi² (6,773 km²).

PERIOD OF RECORD: October 1920 to December 1975.

GAGE: Water-stage recorder and concrete dam control with angle-iron-crested notch for flow below 50 ft³/s (1.42 m³/s). Datum of gage is 519.24 ft (158.264 m) above mean sea level. Prior to Aug. 22, 1954, at site 1,200 ft (366 m) upstream at same datum. Aug. 22, 1954 to Oct. 15, 1955, at site 2,000 ft (610 m) upstream at same datum.

AVERAGE DISCHARGE: 56 years, 273,038 ac-ft/yr (336.6 hm³/yr).

EXTREMES: Period of record (1920-75): Maximum discharge, 85,000 ft³/s (2,410 m³/s) Apr. 25, 1922 (gage height, 23.95 ft or 7.300 m, site then in use); maximum gage height, 25.91 ft (7.897 m) May 17, 1949, site then in use (discharge, 64,300 ft³/s or 1,820 m³/s); no flow at times.

Maximum stage since at least 1855, that of May 17, 1949. Maximum stages have been affected by levee construction, levee breaks, and channel rectification.

REMARKS: Records good. The flow is largely regulated by six major upstream reservoirs with a combined capacity of 738,500 ac-ft (911 hm³), of which 76,550 ac-ft (94.4 hm³) is for flood control. There are many small diversions above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1920	-	-	-	-	-	-	-	-	-	45500	18400	17800	-
1921	31500	45100	28100	41600	8300	33000	33800	818	714	996	1350	799	226077
1922	644	766	1460	261000	208000	30900	5520	726	415	324	2170	948	512873
1923	1840	11200	6480	117000	57400	124000	1180	240	575	27200	88000	76600	511715
1924	9470	7530	79200	37400	30800	10600	721	1120	404	430	542	793	179010
1925	695	766	509	4640	68200	422	898	57.0	137	5110	4700	780	86914
1926	14800	1970	37400	47300	29500	21700	26700	45200	50500	16600	1450	40500	333620
1927	17700	26500	67600	124000	9810	9510	11000	1560	4340	23900	637	6890	303447
1928	3060	10700	4810	31200	26000	75600	45100	17600	1410	89.0	8690	18400	242659
1929	18900	19700	18700	18100	117000	42100	532	39.0	215	125	744	3410	239565
1930	374	755	726	459	138000	52800	435	176	0	88500	4070	49600	335895
1931	4440	36300	43800	33200	12300	7680	5200	1590	127	43300	14200	40500	227037
1932	160000	139000	32200	6250	46000	27100	97800	910	44500	1060	934	19700	575454
1933	39000	10100	80600	31200	55600	70200	4530	2370	25600	357	4860	4780	329197
1934	4680	3580	6520	6490	5180	2130	4140	3380	296	114	539	309	37358
1935	3200	1660	2360	2100	117000	75800	51810	21480	8620	5250	1290	13820	304390
1936	17600	1230	1360	1510	43740	32740	5860	362	36610	70160	35950	5730	252852
1937	5410	9180	21070	8730	1220	14930	598	3260	7600	7240	4790	11410	95438
1938	46630	62790	46440	96880	14870	5440	8350	8430	4090	9190	4760	412	308282
1939	14250	1370	6690	7640	8990	4380	705	303	609	7.30	261	418	45823
1940	412	321	290	1760	6880	8210	48710	9650	121	119	16080	102100	194653
1941	23540	93490	44270	60740	120500	322600	186300	44040	31680	90840	64310	29170	1111480
1942	44210	18970	20110	332900	305500	145500	62150	21210	47030	51260	50360	6330	1105530
1943	3520	2410	21450	38830	48630	46130	732	2010	5470	1520	637	1070	172409
1944	1960	22710	42790	16920	70870	12760	5120	8460	11880	7630	5950	9630	216680
1945	12350	117800	190800	163800	50910	12850	63420	17890	11660	59850	24290	16590	742210
1946	53160	59190	34400	16880	34720	31300	4020	28440	9840	3840	50710	54340	380840
1947	31780	15380	16280	29650	23260	11870	6780	17060	16650	16450	3020	13340	201520
1948	23830	45960	47290	6140	8130	8370	11160	6860	5520	2760	2330	2460	170830
1949	4310	10880	24230	12730	181400	61400	10020	5640	10810	28440	16570	7520	373950
1950	12360	40640	13480	41160	101300	23690	64390	89000	76720	38890	38720	9590	549940
1951	7900	5380	10870	4630	6420	35790	8950	5400	3730	3580	2590	2810	98050
1952	2990	3470	3160	8210	11400	2860	2320	1870	2530	2400	4360	3080	48650
1953	2710	2250	2680	4340	4470	612	2570	1350	697	3160	1490	825	27154
1954	951	780	925	701	1910	341	109	312	461	446	447	484	7867
1955	653	1110	1520	710	3380	4100	576	246	660	542	217	429	14143
1956	549	1320	439	1450	5210	1080	82.0	0	0	1660	600	1580	13970
1957	762	1790	2340	33660	364000	382600	17770	5810	3180	2590	24310	16330	855142
1958	16010	11860	37110	43710	218500	4030	2170	1890	6730	3290	2250	2930	350480
1959	3000	2170	1230	1440	934	4060	1250	1820	1270	135000	5820	9270	167264
1960	69340	28820	11430	4420	5630	1130	2310	2260	1350	1940	931	3400	132961
1961	8030	6050	9710	3050	1770	6630	3410	2120	3340	3790	1760	2220	51880
1962	1680	6070	1930	3380	1570	1930	11120	20220	147700	20910	3870	44290	264670
1963	1670	1120	1600	8030	25830	5550	1650	1610	1290	895	954	1300	51499
1964	2240	1420	4640	2790	4060	1120	1650	3440	13670	1670	26220	3020	66140
1965	9920	49150	14450	7150	72340	6950	2640	2250	3460	2250	2250	1550	174360
1966	1020	2150	1970	23250	208400	68190	5680	3940	3260	7060	789	1150	326859
1967	948	776	1510	3480	2980	1650	1780	547	3850	2040	1280	2220	23061
1968	7720	11260	105500	78060	73480	21370	7230	2590	2250	2420	2930	2090	316920
1969	1530	2820	34770	74570	171700	6980	3110	2290	7120	5940	2550	6130	319510

TRINITY RIVER BASIN

08048000 West Fork Trinity River at Fort Worth, Texas--Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1970	25220	16950	122500	41600	79750	2930	1840	1870	9670	4620	1060	1680	309690
1971	2250	1240	3950	3370	3900	1400	3760	2070	968	7690	2750	72700	106048
1972	18720	1770	1490	7170	3490	701	442	1260	1590	7840	2850	1410	48733
1973	4350	10340	16490	21440	37560	45400	11370	14400	3050	15390	4680	3460	187930
1974	3630	5830	1610	1450	3190	7180	5070	6390	6040	19940	197200	8350	265880
1975	7260	84160	20680	61490	26060	126900	38450	14590	641	218	397	1230	382076
MAX	160000	139000	190800	332900	364000	382600	186300	89000	147700	135000	197200	102100	1111480
MIN	374	321	290	459	934	341	82.0	0	0	7.30	217	309	7867
MEAN	14667	19600	24660	37123	59781	37585	16454	8371	11685	16149	13676	13287	273038
NO.	55	55	55	55	55	55	55	55	55	56	56	56	55
DISTR OF MEAN	5.4%	7.2%	9.0%	13.6%	21.9%	13.8%	6.0%	3.1%	4.3%	5.9%	5.0%	4.9%	100%

TRINITY RIVER BASIN

08048500 Marine Creek at Fort Worth, Texas

LOCATION: Lat 32°48'16", long 97°21'48", Tarrant County, at the bridge on Northwest 32nd Street in Fort Worth, 1.5 mi (2.4 km) upstream from the North Main Street bridge, 2.2 mi (3.5 km) upstream from the St. Louis-Southwestern Railway Co. bridge, and 2.4 mi (3.9 km) upstream from the mouth.

DRAINAGE AREA: 16.8 mi² (43.5 km²).

PERIOD OF RECORD: July 1950 to September 1958.

GAGE: Water-stage recorder. Datum of gage is 562.6 ft (160.5 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 9 years, 2,685 ac-ft/yr (3.3 hm³/yr).

EXTREMES: Period of record (1950-68): Maximum discharge 4,600 ft³/s (130.27 m³/s) May 25, 1957 (gage height, 5.55 ft or 1.7 m); no flow many days each year.

Maximum stage known since at least 1907, 16.1 ft (4.9 m) April 20, 1942, from floodmarks by slope-area measurement (discharge, 24,400 ft³/s or 691.0 m³/s).

REMARKS: Records fair.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1950	-	-	-	-	-	-	43.0	21.0	21.0	2.80	3.40	5.20	-
1951	3.80	14.0	7.50	9.1	31.0	57.0	19.0	0	2.00	0	0	3.80	147
1952	5.20	6.00	11.0	33.0	22.0	1.00	0	.60	5.40	0	18.0	20.0	122
1953	7.90	3.80	35.0	115	122	0	28.0	3.60	15.0	201	26.0	31.0	588
1954	29.0	25.0	11.0	23.0	59.0	1.40	0	0	0	0	1.00	3.00	152
1955	4.40	12.0	17.0	2.40	69.0	125	.20	0	5.40	5.40	0	5.00	246
1956	13.0	22.0	3.40	37.0	480	6.70	0	0	0	37.0	18.0	22.0	639
1957	7.50	25.0	52.0	3820	8430	3140	50.0	0	14.0	24.0	51.0	66.0	15680
1958	115	83.0	1000	1160	1360	13.0	48.0	34.0	34.0	-	-	-	-
MAX	115	83.0	1000	3820	8430	3140	50.0	34.0	34.0	201	51.0	66.0	15680
MIN	3.80	3.80	3.40	2.40	22.0	0	0	0	0	0	0	3.00	122
MEAN	23.2	23.8	142	650	1322	418	20.9	6.58	10.8	33.8	14.7	19.5	2685
NO.	8	8	8	8	8	8	9	9	9	8	8	8	7
DISTR OF MEAN	.9%	.9%	5.3%	24.2%	49.2%	15.6%	.8%	.2%	.4%	1.3%	.5%	.7%	100%

TRINITY RIVER BASIN

08048520 Sycamore Creek at Interstate Highway 35-W at Fort Worth, Texas

LOCATION: Lat 32°39'55", long 97°19'16", Tarrant County, at the bridge on the frontage road on the upstream side of Interstate Highway 35-W, 5.8 mi (9.3 km) south of the Fort Worth City Hall, and 8.9 mi (14.3 km) upstream from the mouth.

DRAINAGE AREA: 17.7 mi² (45.8 km²).

PERIOD OF RECORD: October 1969 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level.

AVERAGE DISCHARGE: 7 years, 6,783 ac-ft/yr (8.4 hm³/yr).

EXTREMES: Period of record (1969-75): Maximum discharge, 5,450 ft³/s (154 m³/s) Oct. 19, 1971 (elevation, 639.77 ft or 195.002 m); no flow at times.

Flood in 1908 reached an elevation of 645.9 ft (196.87 m).

REMARKS: Records good. The flow is slightly affected by several small farm ponds on tributaries above the station. At times, the low flow may be sustained by the effluents from several commercial establishments above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1969	-	-	-	-	-	-	-	-	-	263	63.0	330	-
1970	181	1480	2300	1080	708	130	1.90	44.0	512	98.0	10.0	33.0	6578
1971	13.0	69.0	8.50	202	250	190	494	215	63.0	2410	193	3070	7178
1972	195	37.0	32.0	994	220	30.0	2.00	32.0	52.0	712	372	69.0	2747
1973	276	251	636	1640	437	2620	1330	91.0	270	1160	216	103	9030
1974	379	186	49.0	73.0	494	851	11.0	910	833	1420	1120	257	6583
1975	1200	2350	281	1550	2030	1690	284	35.0	47.0	2.10	77.0	105	9651
MAX	1200	2350	2300	1640	2030	2620	1330	910	833	2410	1120	3070	9651
MIN	13.0	37.0	8.50	73.0	220	30.0	1.90	32.0	47.0	2.10	10.0	33.0	2747
MEAN	374	729	551	923	690	919	354	221	296	866	293	567	6783
NO.	6	6	6	6	6	6	6	6	6	7	7	7	6
DISTR OF MEAN	5.5%	10.7%	8.1%	13.6%	10.2%	13.5%	5.2%	3.3%	4.4%	12.8%	4.3%	8.4%	100%

TRINITY RIVER BASIN

08048530 Sycamore Creek Tributary above Seminary South Shopping Center at Fort Worth, Texas

LOCATION: Lat 32°41'08", long 97°19'44", Tarrant County, near the entrance to a culvert under the Missouri, Kansas, and Texas Railroad Co. bridge, 0.2 mi (0.3 km) northeast of the bridge at the intersection of Hemphill Street and Seminary Drive in Fort Worth, 1.8 mi (2.9 km) upstream from the mouth, and 4.5 mi (7.2 km) south of the Fort Worth City Hall.

DRAINAGE AREA: 0.97 mi² (2.51 km²).

PERIOD OF RECORD: October 1969 to December 1975.

GAGE: Water-stage recorder with concrete weir and culvert control. Datum of gage is at mean sea level.

AVERAGE DISCHARGE: 7 years, 474 ac-ft/yr (0.6 hm³/yr).

EXTREMES: Period of record (1969-75): Maximum discharge, 584 ft³/s (16.5 m³/s) Oct. 19, 1971 (elevation, 655.49 ft or 199.793 m); no flow at times in July and August 1970.

Maximum stage since 1966, about 656.0 ft (199.95 m) in August 1966 (discharge not determined), from information by a local resident.

REMARKS: Records poor. The low flow is sustained by effluents from several commercial establishments above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1969	-	-	-	-	-	-	-	-	-	58.0	8.80	34.0	-
1970	11.0	87.0	76.0	92.0	35.0	5.20	3.80	40.0	98.0	14.0	5.10	8.00	475
1971	6.10	16.0	3.70	25.0	28.0	11.0	55.0	42.0	16.0	118	27.0	155	503
1972	13.0	22.0	7.00	52.0	22.0	9.00	3.00	10.0	18.0	58.0	36.0	13.0	263
1973	49.0	35.0	48.0	95.0	27.0	140	123	5.70	37.0	85.0	19.0	12.0	676
1974	19.0	13.0	4.60	17.0	35.0	50.0	8.80	73.0	70.0	76.0	45.0	23.0	434
1975	53.0	68.0	26.0	84.0	108	63.0	33.0	24.0	13.0	2.50	15.0	23.0	513
MAX	53.0	87.0	76.0	95.0	108	140	123	73.0	98.0	118	45.0	155	676
MIN	6.10	13.0	3.70	17.0	22.0	5.20	3.00	5.70	13.0	2.50	5.10	8.00	263
MEAN	25.2	40.2	27.5	60.8	42.5	46.4	37.8	32.4	42.0	58.8	22.3	38.3	474
NO.	6	6	6	6	6	6	6	6	6	7	7	7	6
DISTR													
OF MEAN	5.3%	8.5%	5.8%	12.8%	9.0%	9.8%	8.0%	6.8%	8.9%	12.4%	4.7%	8.1%	100%

TRINITY RIVER BASIN

08048540 Sycamore Creek Tributary at Interstate Highway 35-W at Fort Worth, Texas

LOCATION: Lat 32°41'18", long 97°19'11", Tarrant County, at a culvert on the downstream side of the access road to Interstate Highway 35-W, 0.3 mi (0.5 km) north of the bridge on Seminary Drive in Fort Worth, 1.2 mi (1.9 km) upstream from the mouth, and 4.3 mi (6.9 km) south of the Fort Worth City Hall.

DRAINAGE AREA: 1.35 mi² (3.50 km²).

PERIOD OF RECORD: October 1969 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level.

AVERAGE DISCHARGE: 7 years, 826 ac-ft/yr (1.0 hm³/yr).

EXTREMES: Period of record (1969-75): Maximum discharge, 1,100 ft³/s (31.2 m³/s) Oct. 19, 1971 (elevation, 628.41 ft or 191.539 m); minimum daily, 0.01 ft³/s (0.0003 m³/s) for many days in 1970-71.

Maximum elevation since 1969, that of Oct. 19, 1971.

REMARKS: Records fair. Records include the runoff from a shopping center. The low flow is sustained by effluents from several commercial establishments and industry above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1969	-	-	-	-	-	-	-	-	-	94.0	14.0	61.0	-
1970	16.0	144	124	120	67.0	16.0	11.0	45.0	154	33.0	7.50	18.0	756
1971	9.4	20.0	4.60	51.0	69.0	27.0	116	79.0	33.0	239	54.0	2.62	964
1972	26.0	36.0	19.0	101	34.0	25.0	8.00	26.0	31.0	103	52.0	17.0	478
1973	60.0	47.0	75.0	129	49.0	231	237	11.0	68.0	152	33.0	19.0	1111
1974	33.0	22.0	8.90	27.0	66.0	115	17.0	155	112	120	69.0	32.0	777
1975	100	127	35.0	125	186	117	62.0	49.0	32.0	4.80	36.0	32.0	906
MAX	100	144	124	129	186	231	237	155	154	239	69.0	2.62	1111
MIN	9.4	20.0	4.60	27.0	34.0	16.0	8.00	11.0	31.0	4.80	7.50	17.0	478
MEAN	40.7	66.0	44.4	92.2	78.5	88.5	75.2	60.8	71.7	107	37.9	63.0	826
N.L.	6	6	6	6	6	6	6	6	6	7	7	7	6
DISTR OF MEAN	4.9%	8.0%	5.4%	11.2%	9.5%	10.7%	9.1%	7.4%	6.7%	12.9%	4.6%	7.6%	100%

TRINITY RIVER BASIN

08048600 Dry Branch at Fain Street at Fort Worth, Texas

LOCATION: Lat 32°46'34", long 97°17'18", Tarrant County, 30 ft (9 m) upstream from a culvert on Fain Street, at the bridge at the intersection of Fain and Beach Streets in Fort Worth, 1.1 mi (1.8 km) upstream from the mouth, and 2.9 mi (4.7 km) northeast of the Tarrant County Courthouse.

DRAINAGE AREA: 2.15 mi² (5.57 km²).

PERIOD OF RECORD: October 1968 to December 1975.

GAGE: Water-stage recorder and concrete culvert control. Datum of gage is 537.51 ft (163.833 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 8 years, 1,137 ac-ft/yr (1.4 hm³/yr).

EXTREMES: Period of record (1968-75): Maximum discharge, 447 ft³/s (12.7 m³/s) July 25, 1975 (gage height, 5.86 ft or 1.786 m); no flow at times.

Maximum stage since April 1964, 9.0 ft (2.74 m) in April 1966 at the upstream side of a Fain Street culvert, from information by a local resident.

REMARKS: Records good. The low flow is sustained by the effluents from several commercial establishments and industry above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1968	-	-	-	-	-	-	-	-	-	42.0	115	42.0	-
1969	68.0	84.0	129	161	281	65.0	40.0	94.0	132	118	25.0	79.0	1276
1970	28.0	169	157	197	143	13.0	22.0	23.0	207	34.0	12.0	16.0	1021
1971	20.0	40.0	12.0	86.0	53.0	18.0	36.0	100	35.0	270	89.0	420	1179
1972	28.0	9.00	7.00	67.0	33.0	26.0	10.0	16.0	41.0	201	69.0	18.0	525
1973	109	93.0	134	214	72.0	335	292	7.70	78.0	171	20.0	16.0	1542
1974	39.0	37.0	15.0	78.0	91.0	96.0	18.0	212	204	254	157	36.0	1237
1975	66.0	218	39.0	163	176	84.0	352	60.0	25.0	7.70	42.0	42.0	1275
MAX	109	218	157	214	281	335	352	212	207	270	157	420	1542
MIN	20.0	9.00	7.00	67.0	33.0	13.0	10.0	7.70	25.0	7.70	12.0	16.0	525
MEAN	51.1	92.9	70.4	138	121	91.0	110	73.2	103	137	66.1	83.6	1137
NO.	7	7	7	7	7	7	7	7	7	8	8	8	7
DISTR OF MEAN	4.5%	8.2%	6.2%	12.1%	10.7%	8.0%	9.7%	6.4%	9.1%	12.1%	5.8%	7.4%	100%

TRINITY RIVER BASIN
08048800 Big Fossil Creek at Haltom City, Texas

LOCATION: Lat 32°48'26", long 97°14'54", Tarrant County, at the bridge on State Highways 121 and 183, near the east boundary of Haltom City, 1.5 mi (2.4 km) upstream from the Chicago, Rock Island, and Pacific Railroad Co. bridge, 2.0 mi (3.2 km) upstream from Little Fossil Creek, and 3.5 mi (5.6 km) upstream from the mouth.

DRAINAGE AREA: 52.8 mi² (137 km²).

PERIOD OF RECORD: January 1959 to September 1973.

GAGE: Water-stage recorder. Datum of gage is 489.48 ft (149.19 m) above mean sea level, datum of 1929. Prior to Oct. 1, 1967, at same site at a datum 2.00 ft (0.61 m) higher.

AVERAGE DISCHARGE: 15 years, 15,093 ac-ft/yr (18.6 hm³/yr).

EXTREMES: Period of record (1959-73): Maximum discharge, 27,000 ft³/s (765 m³/s) Sept. 7, 1962, gage height, 26.90 ft (8.20 m), present datum; no flow at times most years.

Maximum stage since at least 1900 and prior to the channel rectification, that of Sept. 7, 1962.

REMARKS: Records fair. The channel rectification and improvement was completed in the vicinity of the gage during the 1966 water year.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1959	11.0	6.70	16.0	10.0	7.30	112	2.80	0	3.00	7100	222	357	7848
1960	1290	553	271	2310	1420	41.0	10.0	3.00	0	3.40	0	30.0	5931
1961	807	1100	1090	176	184	6810	216	5.00	24.0	68.0	46.0	182	10708
1962	68.0	59.0	111	340	35.0	11.0	3200	4000	12440	181	1090	523	22058
1963	258	82.0	128	831	193	21.0	1.00	0	.40	0	6.20	11.0	1532
1964	25.0	15.0	248	73.0	799	60.0	37.0	241	2940	41.0	2090	882	7451
1965	3770	6030	695	423	2640	236	0	19.0	361	59.0	24.0	52.0	14309
1966	63.0	532	200	12610	6810	746	58.0	85.0	240	161	23.0	31.0	21559
1967	35.0	29.0	64.0	1980	1220	43.0	91.0	1.60	50.0	285	24.0	119	3942
1968	1490	547	7660	1310	4500	342	147	248	77.0	59.0	358	178	16916
1969	939	1220	2870	4380	11440	289	64.0	108	198	928	87.0	5090	27613
1970	551	6280	6930	10540	7110	2660	43.0	44.0	1840	124	33.0	68.0	36223
1971	109	99.0	77.0	211	60.0	28.0	40.0	491	102	5360	808	18660	26045
1972	587	576	512	208	53.0	22.0	11.0	5.00	12.0	660	216	29.0	2891
1973	691	1280	1220	2660	2250	4630	4430	98.0	809	-	-	-	-
MAX	3770	6280	7660	12610	11440	6810	4430	4000	12440	7100	2090	18660	36223
MIN	11.0	6.70	16.0	10.0	7.30	11.0	0	0	0	0	0	11.0	1532
MEAN	713	1227	1473	2537	2581	1070	557	357	1273	1074	359	1872	15093
NO.	15	15	15	15	15	15	15	15	15	14	14	14	14
DISTR OF MEAN	4.7%	8.1%	9.8%	16.8%	17.1%	7.1%	3.7%	2.4%	8.4%	7.1%	2.4%	12.4%	100%

TRINITY RIVER BASIN

08048850 Little Fossil Creek at Mesquite Street at Fort Worth, Texas

LOCATION: Lat 32°48'33", long 97°17'28", Tarrant County, at the bridge at the intersection of Mesquite Street and Broadway Avenue in Fort Worth, 150 ft (46 m) upstream from the bridge on Alta Vista Road (Beach Street), 4.3 mi (6.9 km) northeast of the Tarrant County Courthouse, and 4.3 mi (6.9 km) upstream from Big Fossil Creek.

DRAINAGE AREA: 12.3 mi² (31.9 km²).

PERIOD OF RECORD: October 1968 to December 1975.

GAGE: Water-stage recorder and concrete control. Datum of gage is 548.62 ft (167.219 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 8 years, 4,306 ac-ft/yr (5.3 hm³/yr).

EXTREMES: Period of record (1968-75): Maximum discharge, 5,360 ft³/s (152 m³/s) July 25, 1975 (gage height, 12.22 ft or 3.725 m); no flow at times each year.

Maximum stage since 1900 occurred on Apr. 25, 1922 (gage height and discharge unknown), from information by local residents.

REMARKS: Records good. The flow is slightly regulated by several small farm ponds located on tributaries above the station. The low flow is sustained at times by the effluent from an industrial park located 2.6 mi (4.2 km) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1968	-	-	-	-	-	-	-	-	-	35.0	143	75.0	-
1969	223	275	931	777	1630	79.0	7.60	63.0	149	192	54.0	474	4855
1970	159	1270	1090	1310	310	37.0	.90	.90	508	49.0	14.0	19.0	4768
1971	32.0	42.0	33.0	181	122	5.40	.50	140	5.70	668	180	2930	4340
1972	113	40.0	28.0	45.0	15.0	5.00	4.00	3.00	8.00	593	189	43.0	1086
1973	359	341	496	852	382	1070	1220	59.0	118	837	238	162	6134
1974	128	164	127	170	202	177	.40	275	1270	1370	948	213	5044
1975	232	1180	172	759	455	286	1570	64.0	22.0	.10	29.0	96.0	4865
MAX	359	1270	1090	1310	1630	1070	1570	275	1270	1370	948	2930	6134
MIN	32.0	40.0	28.0	45.0	15.0	5.00	.40	.90	5.70	.10	14.0	19.0	1086
MEAN	178	473	411	585	445	237	400	86.4	297	468	224	502	4306
NL.	7	7	7	7	7	7	7	7	7	8	8	8	7
DISTR OF MEAN	4.1%	11.0%	9.5%	13.6%	10.3%	5.5%	9.3%	2.0%	6.9%	10.9%	5.2%	11.6%	100%

TRINITY RIVER BASIN
08049000 Village Creek near Handley, Texas

LOCATION: Lat 32°42', long 97°13', Tarrant County, at the Fort Worth-Webb Road Crossing, and 3.5 mi (5.6 km) south of Handley.

DRAINAGE AREA: 130 mi² (336.7 km²).

PERIOD OF RECORD: June 1925 to February 1930.

GAGE: Staff gage. Datum of gage is 504.98 ft (153.9 m) above mean sea level.

AVERAGE DISCHARGE: 6 years, 18,130 ac-ft/yr (22.4 hm³/yr).

EXTREMES: Period of record (1925-30): Maximum stage, 17.9 ft (5.4 m) December 17, 1928; no flow during several periods.

REMARKS: Records fair. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAP	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1925	-	-	-	-	-	0	0	4.0	73.2	634	137	5.40	-
1926	1960	38.7	2310	10100	4440	2770	518	512	367	12.3	38.9	39.5	23106
1927	45.0	281	880	1730	905	234	59.7	794	688	4730	89.0	188	10624
1928	64.0	1190	159	2510	76.0	4370	140	22.0	0	0	7.70	15100	23639
1929	984	9940	2350	5940	2640	613	9.8	0	1230	76.0	8.30	77.0	23868
1930	52.0	4.70	-	-	-	-	-	-	-	-	-	-	-
MAX	1960	9940	2350	10100	4440	4370	518	794	1230	4730	137	15100	23868
MIN	45.0	4.70	159	1730	76.0	0	0	0	0	0	7.70	5.40	10624
MEAN	621	2291	1425	5070	2015	1597	145	266	472	1090	56.2	3082	18130
NO.	5	5	4	4	4	5	5	5	5	5	5	5	4
DISTR OF MEAN	3.4%	12.6%	7.9%	28.0%	11.1%	8.8%	.8%	1.5%	2.6%	6.0%	.3%	17.0%	100%

TRINITY RIVER BASIN
08049200 Lake Arlington at Arlington, Texas

LOCATION: Lat 32°43'04", long 97°11'36", Tarrant County, in the pumphouse at the right end of Arlington Dam on Village Creek near the western boundary of Arlington, 1.5 mi (2.4 km) upstream from the Texas and Pacific Railway Co. bridge, and 7 mi (11 km) upstream from the West Fork Trinity River.

DRAINAGE AREA: 143 mi² (370 km²).

PERIOD OF RECORD: March 1957 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Sept. 9, 1957, nonrecording gage at same site and datum.

EXTREMES: Period of record (1957-75): Maximum contents, 56,620 ac-ft (69.8 hm³) May 1, 1966 (elevation, 554.65 ft or 169.057 m); minimum contents since the lake was first filled in April 1957, 18,110 ac-ft (22.3 hm³) Oct. 17, 1971 (elevation, 534.27 ft or 162.845 m).

REMARKS: The lake is formed by a rolled earthfill dam 6,482 ft (1,976 m) long, with a capacity of 45,710 ac-ft (56.4 hm³). The service spillway is a 10-foot diameter (3-m) uncontrolled circular drop inlet. The emergency spillway is an 882-foot wide (269-m) cut through natural ground near the right end of the dam. The dam was completed and storage began on Mar. 31, 1957. The dam was built by the City of Arlington to impound water for municipal and industrial uses.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1957	-	-	240	49080	49310	45800	43800	42300	43100	45560	46100	46000
1958	45780	45800	46100	53560	45600	44270	44360	42650	45910	45710	45490	45270
1959	45060	45270	45060	45710	45060	46380	44840	42690	41850	45080	45010	45910
1960	45710	45600	45510	45490	45060	43330	42540	40730	38800	37770	36770	37240
1961	40200	42520	45540	44900	44080	46690	44600	42560	41580	41080	40750	41100
1962	40670	40540	40440	40560	39890	41160	40300	40070	44580	43780	43330	43290
1963	43290	43260	42060	46020	45060	43260	41370	38940	38540	36710	35590	34780
1964	35190	34800	38380	40690	41510	39300	36040	34300	37220	35840	41410	41020
1965	45380	46200	45730	45510	46070	44660	41430	38940	38220	37180	36770	36150
1966	35500	37670	37200	52890	45470	45320	42990	42590	42630	44820	43600	42820
1967	42100	41100	40440	40320	39750	39100	37100	34280	34510	33870	32910	32650
1968	37450	38200	46110	45380	45670	44750	42690	40030	38180	36460	35520	34830
1969	34130	33950	35250	35400	45600	42760	38220	35630	34510	35060	34230	34680
1970	34320	40360	45980	47310	46840	43500	39260	35980	36540	35360	33760	32180
1971	30750	29720	27550	27160	25540	22310	20490	20290	18340	30360	29440	44920
1972	44840	43970	42060	42710	41720	38540	33930	29440	26720	27360	26770	25400
1973	26100	27750	28850	42480	41510	45490	46290	41580	40220	44860	44190	42760
1974	42900	42230	40810	38780	40160	38480	33020	33310	35210	40980	44640	43890
1975	45860	43480	44750	45190	47040	44120	43070	38900	34950	31430	29370	31580
MAX	45860	46200	46110	53560	49310	46690	46290	42690	45910	45710	46100	46000
MIN	26100	27750	240	27160	25540	22310	20490	20290	18340	27360	26770	25400
MEAN	39735	40134	38845	43639	43207	42064	39807	37643	37453	38384	38192	38762
NO.	18	18	19	19	19	19	19	19	19	19	19	19
DISTR												
OF MEAN	8.3%	8.4%	8.1%	9.1%	9.0%	8.8%	8.3%	7.9%	7.8%	8.0%	8.0%	8.1%

TRINITY RIVER BASIN

08049500 West Fork Trinity River at Grand Prairie, Texas

LOCATION: Lat 32°45'46", long 97°59'42", Dallas County, at the bridge on Belt Line Road, 1.3 mi (2.1 km) northeast of Grand Prairie, 3.7 mi (6.0 km) upstream from Bear Creek, and 6.5 mi (10.5 km) upstream from Mountain Creek.

DRAINAGE AREA: 3,065 mi² (7,938 km²).

PERIOD OF RECORD: April 1925 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 410.42 ft (125.096 m) above mean sea level, datum of 1929. Prior to Dec. 6, 1933, nonrecording gage at a bridge on the old channel 2,500 ft (762 m) southeast of the present site at datum 2.56 ft (0.780 m) higher. Dec. 6, 1933 to May 24, 1956, water-stage recorder at site 440 ft (134 m) downstream from site of nonrecording gage at datum 2.56 ft (0.780 m) higher than present datum. May 25, 1956 to Apr. 18, 1957, nonrecording gage at site 1.5 mi (2.4 km) downstream at different datum. Apr. 19 to Aug. 13, 1957, nonrecording gage on a bridge at the present site and datum.

AVERAGE DISCHARGE: 51 years, 394,454 ac-ft/yr (486.4 hm³/yr).

EXTREMES: Period of record (1925-75): Maximum discharge, 62,000 ft³/s (1,760 m³/s) May 17, 1949 (gage height, 28.00 ft or 8.534 m, site and datum then in use); minimum, 3.2 ft³/s (0.091 m³/s) June 6, 1925.

Maximum stage since at least 1900, 30.6 ft (9.33 m), former site and datum, in May 1908, from information by a local resident.

REMARKS: Records good. The flow is largely regulated by seven major reservoirs with a combined capacity of 748,200 ac-ft (923 hm³), of which 76,550 ac-ft (94.4 hm³) is for flood control. There are several diversions above Arlington for municipal and other uses. The river channel at the station was relocated in 1956.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1925	-	-	-	7060	100000	1010	1950	743	1230	10300	12000	1850	-
1926	19300	4510	34000	57300	32700	25900	22800	41700	49300	17400	1860	34800	341570
1927	18000	27100	68300	121000	15300	10900	10300	2380	5600	36200	1710	8980	325770
1928	4590	12000	5870	43700	28700	92000	47500	21000	2310	1930	11600	45600	317600
1929	25000	36700	28400	24600	113000	53100	2180	1090	2950	1290	2110	4190	294610
1930	1330	1490	2390	5430	186000	48800	1920	1650	964	95300	5960	58700	409934
1931	6580	36200	56800	41300	14600	9880	4390	3280	928	39300	17300	27500	258058
1932	218000	182000	45600	11400	57700	30500	105000	3280	73800	3300	2880	33800	767260
1933	53400	19100	101000	43400	70100	75000	14100	8670	36300	2190	5640	7560	436460
1934	8480	5180	16400	11600	9590	2870	4580	4250	2410	1800	2690	1760	71610
1935	7060	4600	4700	3760	161400	101400	53500	24860	9690	7680	2880	17000	398530
1936	17050	3430	2670	2530	53020	36330	6770	1560	41080	75240	39270	8890	287840
1937	9770	10090	28730	12000	2980	25980	2310	3820	7720	11290	8540	24760	147990
1938	67940	101100	68030	99730	19930	8850	10020	8480	4270	9590	5580	1880	405400
1939	14800	4350	9150	9310	12500	8110	1300	2300	1440	839	1120	1540	66759
1940	1360	1840	1380	9130	23240	61030	67160	10320	1190	1010	37930	133300	348890
1941	33420	121800	57480	75340	137000	417400	213700	55120	34700	100200	70960	34390	1351510
1942	49040	21270	24600	431100	364500	171000	70820	21430	55910	78270	57910	12850	1358700
1943	7430	5430	32190	53340	63380	54220	3390	3830	13140	4100	2600	4110	247160
1944	5440	33160	55490	22540	110300	21450	8200	8170	16050	11610	9630	15140	317180
1945	19370	147100	278000	223400	63670	23850	67160	22050	14530	60040	27240	21410	967820
1946	56080	70750	39560	25060	86920	57280	6940	29850	14290	6330	102900	87600	583460
1947	43010	21640	27660	44670	27920	36100	9340	18910	25250	18150	7080	30980	310710
1948	33940	72800	70790	11880	15990	15810	17280	8490	7150	4720	4400	4830	268080
1949	11470	44910	48180	21340	312100	94790	10210	7630	14010	42600	20480	10210	642980
1950	29230	93220	23660	62540	147600	35080	69580	90900	99880	40830	42380	14030	748930
1951	12850	10800	15190	7870	13970	57540	12670	8210	6370	6230	5890	5740	163330
1952	5960	8160	6750	17170	22330	6460	5250	4550	4560	4810	12180	8840	107020
1953	6250	4900	7420	16100	25960	3150	8510	4320	4340	9470	5240	4070	99730
1954	5020	3960	4100	4260	9210	3440	3100	3240	3050	4120	3770	3510	50780
1955	4130	5090	6630	4890	20010	11880	3750	3830	4200	3720	2750	3300	74180
1956	3790	5200	3590	4640	15870	6310	2840	2710	2840	4180	4250	4450	60670
1957	3360	5640	4410	116300	489600	420600	28350	10880	9600	12550	43660	19440	1164390
1958	17990	14460	58590	76100	275500	9280	5480	2500	17220	18790	6540	3660	506110
1959	4010	4040	7560	7340	5390	21910	9770	4330	5840	193100	12590	13460	289340
1960	93550	33760	16980	14530	13700	5670	7800	7030	5450	6790	4540	9730	219530
1961	20730	15880	21010	8340	7280	44670	11360	6060	9330	11780	8170	8920	173530
1962	5970	9380	7250	13960	6830	8460	25220	41440	184100	29250	11630	50310	393800
1963	7920	5710	6680	21400	35380	11420	7310	5760	6450	5090	5030	6510	124660
1964	9410	6950	17010	10660	13040	6040	6600	12130	57800	8620	49890	12860	211010
1965	28730	104100	24870	15700	137600	15390	7740	7100	14390	8910	9710	7450	381690
1966	7800	13030	10590	69850	268300	77420	11280	14320	12600	19140	6750	7770	518850
1967	7610	6700	8920	20070	15050	12000	9150	5740	13610	11390	7880	10400	128520
1968	22260	19910	156200	88090	103500	34080	14740	10140	9650	10400	13450	10500	492920
1969	10370	14000	53860	90700	241000	17740	9710	10560	21190	24210	11290	21850	526480
1970	39730	41230	167200	69130	103500	13700	9020	9870	32000	15610	7070	8690	516750
1971	8480	7900	10790	15130	11740	7800	14860	15450	8630	45840	13250	146000	305870
1972	35820	11090	10180	20080	14760	8890	7410	8230	10190	29460	15580	8200	179890
1973	20130	24910	31470	56260	53750	108900	42770	23740	16720	49910	16280	11870	456710
1974	14210	16100	10570	12070	25380	23750	12220	21770	27170	35110	229400	23850	451600

TRINITY RIVER BASIN

08049500 West Fork Trinity River at Grand Prairie, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1975	27970	134000	34900	99730	61230	132600	59490	28550	9660	7570	9450	11200	616350
MAX	218000	182000	278000	431100	489600	420600	213700	90900	184100	193100	229400	146000	1358700
MIN	1330	1490	1380	2530	2980	1010	1300	743	928	839	1120	1540	50780
MEAN	23703	32173	36675	46173	82745	50756	23017	13298	20256	24658	20015	20985	394454
NO.	50	50	50	51	51	51	51	51	51	51	51	51	50
DISTR OF MEAN	6.0%	8.2%	9.3%	11.7%	21.0%	12.9%	5.8%	3.4%	5.1%	6.3%	5.1%	5.3%	100%

TRINITY RIVER BASIN

08049550 Big Bear Creek near Grapevine, Texas

LOCATION: Lat 32°54'48", long 97°07'44", Tarrant County, at the bridge on State Highway 121, 100 ft (30 m) downstream from the St. Louis-Southwestern Railway Co. bridge, 3.5 mi (5.6 km) southwest of Grapevine, and 7 mi (11 km) upstream from its confluence with Little Bear Creek.

DRAINAGE AREA: 29.6 mi² (76.7 km²).

PERIOD OF RECORD: December 1966 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 554.00 ft (168.859 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 10 years, 5,755 ac-ft/yr (7.1 hm³/yr).

EXTREMES: Period of record (1966-75): Maximum discharge, 2,600 ft³/s (73.6 m³/s) May 6, 1969 (gage height, 14.35 ft or 4.374 m); no flow at times each year.

Maximum stage since at least 1930, about 20 ft (6.1 m) on Sept. 21, 1964, from information by local residents.

REMARKS: Records good. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1966	-	-	-	-	-	-	-	-	-	-	-	7.80	-
1967	11.0	14.0	39.0	2170	1910	141	9.9	0	0	20.0	7.10	16.0	4338
1968	397	86.0	2530	1530	873	97.0	60.0	2.20	0	251	113	32.0	5971
1969	717	571	1460	996	3690	36.0	.70	0	0	197	4.60	3.53	8025
1970	30.0	1190	1310	2510	857	114	2.10	0	758	22.0	7.60	7.30	6808
1971	14.0	17.0	21.0	69.0	6.70	.06	0	4.20	15.0	1960	464	5020	7591
1972	78.0	88.0	48.0	72.0	232	39.0	0	0	0	344	52.0	2.30	955
1973	164	255	555	2060	812	1790	695	12.0	61.0	1070	231	116	7821
1974	60.0	126	118	316	436	253	0	7.00	423	1150	1230	471	4590
1975	230	2120	224	1380	1390	40.0	892	1.50	1.70	0	.10	19.0	6298
MAX	717	2120	2530	2510	3690	1790	892	12.0	758	1960	1230	5020	8025
MIN	11.0	14.0	21.0	69.0	6.70	.06	0	0	0	0	.10	2.30	955
MEAN	189	496	701	1234	1134	279	184	2.99	140	557	234	604	5755
NO.	9	9	9	9	9	9	9	9	9	9	9	10	9
DISTR OF MEAN	3.3%	8.6%	12.2%	21.4%	19.7%	4.8%	3.2%	.1%	2.4%	9.7%	4.1%	10.5%	100%

TRINITY RIVER BASIN

08049600 Mountain Creek near Cedar Hill, Texas

LOCATION: Lat 32°35'03", long 97°01'23", Dallas County, at a county road bridge, 3.5 mi (5.6 km) downstream from the Texas and New Orleans Railroad Co. bridge, 4.5 mi (7.2 km) southwest of Cedar Hill, and 12 mi (19 km) upstream from Mountain Creek Lake Dam.

DRAINAGE AREA: 119 mi² (308 km²).

PERIOD OF RECORD: October 1960 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 478.31 ft (145.789 m) above mean sea level, datum of 1929. Prior to Nov. 25, 1960, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 16 years, 37,712 ac-ft/yr (46.5 hm³/yr).

EXTREMES: Period of record (1960-75): Maximum discharge, 28,300 ft³/s (801 m³/s) May 7, 1969 (gage height, 25.10 ft or 7.650 m); no flow at times each year.

Maximum stage since at least 1910, 30 ft (9.1 m) May 25, 1922, from information by a local resident.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1960	-	-	-	-	-	-	-	-	-	40.0	0	40.0	-
1961	7690	5880	4400	392	280	7700	998	0	0	235	1120	1420	30115
1962	214	125	63.0	539	84.0	902	159	157	3320	24.0	97.0	17.0	5701
1963	8.70	0	0	3020	186	.20	0	0	0	0	0	0	3215
1964	1.80	6.00	1790	7790	4020	327	0	0	74.0	0	3140	32.0	17181
1965	1450	10980	563	1050	16520	54.0	0	0	167	4.60	13.0	8.70	30810
1966	6.10	1400	24.0	36110	12670	1410	0	97.0	1870	3380	42.0	42.0	57051
1967	19.0	9.5	21.0	499	933	248	1630	0	1420	9390	488	2500	17158
1968	11580	3780	16260	751	13640	3000	442	136	166	1200	1970	1880	54805
1969	104	1270	8510	1750	60650	2680	7.70	108	7.10	1100	47.0	2290	78524
1970	1420	10240	12160	17200	6330	4480	.04	0	3440	3580	159	81.0	59090
1971	75.0	168	67.0	5820	1360	78.0	4.90	120	19.0	13520	76.0	26340	47648
1972	4010	325	178	2220	2630	414	242	0	0	3560	1540	242	15361
1973	5960	5410	2090	24110	4250	14750	6650	1600	6110	20400	3620	807	95757
1974	9080	1390	367	158	2760	225	0	.20	327	3130	4410	661	22508
1975	1910	11020	2040	6740	6420	4910	727	23.0	126	0	0	0	33916
MAX	11580	11020	16260	36110	60650	14750	6650	1600	6110	20400	4410	26340	95757
MIN	1.80	0	0	158	84.0	.20	0	0	0	0	0	0	3215
MEAN	2902	3467	3236	7210	8849	2745	724	149	1136	3723	1045	2526	37712
NO.	15	15	15	15	15	15	15	15	15	16	16	16	15
DISTR OF MEAN	7.7%	9.2%	8.6%	19.1%	23.5%	7.3%	1.9%	.4%	3.0%	9.9%	2.8%	6.7%	100%

TRINITY RIVER BASIN
08049700 Walnut Creek near Mansfield, Texas

LOCATION: Lat 32°32'51", long 97°06'06", Tarrant County, at the bridge on a county road, 2.6 mi (4.2 km) north of Mansfield, 3.3 mi (5.3 km) downstream from the Texas and New Orleans Railroad Co. bridge, and 10.2 mi (16.4 km) upstream from the mouth.

DRAINAGE AREA: 62.8 mi² (162.7 km²).

PERIOD OF RECORD: October 1960 to December 1975.

GAGE: Water-stage recorder and concrete control. Datum of gage is 531.08 ft (161.873 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 16 years, 12,281 ac-ft/yr (15.1 hm³/yr).

EXTREMES: Period of record (1960-75): Maximum discharge, 7,420 ft³/s (210 m³/s) June 4, 1973 (gage height, 28.60 ft or 8.717 m); no flow at times in 1960-74.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANI
1960	-	-	-	-	-	-	-	-	-	3.40	0	4.36	
1961	2020	1440	1210	162	64.0	4940	189	0	5.20	158	49.0	13.0	1
1962	9.1	11.0	14.0	192	4.60	439	53.0	113	1250	35.0	41.0	33.0	
1963	9.3	6.00	8.10	2290	378	1.80	191	436	43.0	0	0	0	
1964	60.0	13.0	1200	1890	1620	19.0	0	0	33.0	0	989	11.0	
1965	263	5330	148	190	4960	73.0	.40	0	42.0	1.60	37.0	16.0	1
1966	13.0	324	19.0	9880	4970	387	10.0	46.0	184	541	11.0	15.0	1
1967	13.0	12.0	18.0	396	1520	128	71.0	0	327	759	5.80	1.74	1
1968	920	403	6100	322	7690	347	143	453	129	572	254	1.96	1
1969	227	569	2680	1520	13440	142	9.4	75.0	.10	715	4.50	2.49	1
1970	96.0	2520	2550	5170	616	386	10.0	.80	192	900	6.40	18.0	1
1971	12.0	25.0	13.0	1220	1060	9.3	0	9.2	0	2400	10.0	72.60	1
1972	514	136	63.0	727	694	128	69.0	0	3.00	974	262	8.20	
1973	874	1240	591	8730	341	10670	2440	69.0	4010	7240	943	3.31	3
1974	1500	478	314	189	855	61.0	.06	429	2000	3460	1450	4.69	1
1975	388	3820	771	4580	4610	1450	3510	25.0	103	1.20	1.30	26.0	1
MAX	2020	5330	6100	9880	13440	10670	3510	453	4010	7240	1450	72.60	3
MIN	9.1	6.00	8.10	162	4.60	1.80	0	0	0	0	0	0	
MEAN	461	1088	1047	2497	2855	1279	446	110	555	1111	254	5.78	1
NO.	15	15	15	15	15	15	15	15	15	16	16	16	
DISTR OF MEAN	3.8%	8.9%	8.5%	20.3%	23.2%	10.4%	3.6%	.9%	4.5%	9.0%	2.1%	4.7%	

TRINITY RIVER BASIN

08050000 Mountain Creek near Grand Prairie, Texas

LOCATION: Lat 32°42', long 96°58', Dallas County, at the Grand Prairie-Duncanville Highway bridge, and 3.5 mi (5.6 km) southeast of Grand Prairie.

DRAINAGE AREA: 267 mi² (691.5 km²).

PERIOD OF RECORD: October 1924 to June 1933.

GAGE: Water-stage recorder. Datum of gage is 430.4 ft (131.2 m) above mean sea level.

AVERAGE DISCHARGE: 10 years, 53,174 ac-ft/yr (65.6 hm³/yr).

EXTREMES: Period of record (1924-33): Maximum discharge, 35,900 ft³/s (1,016.7 m³/s), of which 2,680 ft³/s (75.9 m³/s) was flowing through a break in the levee 0.5 mi (0.8 km) above gage, December 17, 1928 (gage height, 21.41 ft or 6.5 m); no flow during several periods.

REMARKS: Records fair. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	-	-	-	-	-	0	0	0	-
1925	0	48.0	0	491	15600	0	0	0	729	1130	4250	0	22248
1926	6310	84.3	520	11900	2930	3010	3580	16.5	.80	0	0	13.9	28365
1927	0	21.0	7070	6980	7480	1160	11.9	32.7	167	10200	3.00	91.0	33217
1928	74.0	3840	1540	6190	26.0	19200	5780	7.40	0	0	2.40	32500	69160
1929	6010	4650	6520	17000	16900	1700	37.0	0	1170	1190	690	478	56345
1930	121	983	1550	3880	55700	1710	1.80	21.0	124	2340	40.0	4850	71321
1931	411	5340	12200	2360	2180	1110	245	112	10.0	154	0	146	24268
1932	33600	24300	7560	6430	15600	887	3830	17.0	8270	6.80	8.30	9160	109669
1933	12100	7390	13500	4310	22500	1140	-	-	-	-	-	-	-
MAX	33600	24300	13500	17000	55700	19200	5780	112	8270	10200	4250	32500	109669
MIN	0	21.0	0	491	26.0	0	0	0	0	0	0	0	22248
MEAN	6514	5184	5607	6616	15435	3324	1686	25.8	1309	1669	555	5249	53174
NO.	9	9	9	9	9	9	8	8	8	9	9	9	8
DISTR OF MEAN	12.3%	9.7%	10.5%	12.4%	29.0%	6.3%	3.2%	.0%	2.5%	3.1%	1.0%	9.9%	100%

TRINITY RIVER BASIN

08050050 Mountain Creek Lake near Grand Prairie, Texas

LOCATION: Lat 32°43'55", long 96°56'35", Dallas County, at the right end of the spillway in Mountain Creek Dam on Mountain Creek, 2.5 mi (4.0 km) upstream from the Texas and Pacific Railway Co. bridge, and 3.7 mi (6.0 km) southeast of Grand Prairie.

DRAINAGE AREA: 295 mi² (764 km²).

PERIOD OF RECORD: October 1960 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Oct. 21, 1960, nonrecording gage at the powerplant at the same datum.

EXTREMES: Period of record (1960-75): Maximum contents, 25,790 ac-ft (31.8 hm³) May 7, 1969 (elevation, 458.02 ft or 139.604 m); minimum contents, 14,120 ac-ft (17.4 hm³) Oct. 18, 1972 (elevation, 453.25 ft or 138.151 m).

REMARKS: The lake is formed by a rolled earthfill dam 5,800 ft (1,770 m) long, including a controlled spillway with six 34- by 27-foot (10- by 8-m) tainter gates. The capacity of the lake is 22,840 ac-ft (28.2 hm³). The dam was completed in December 1936 and deliberate impoundment began on Mar. 24, 1937. The lake was built and is operated by the Dallas Power and Light Co. to supply cooling water for their generating plant.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1960	-	-	-	-	-	-	-	-	-	18250	17650	21780
1961	21520	21780	21500	21650	21010	22560	21050	19410	18960	19240	20260	21400
1962	21830	21730	21610	21060	20490	21550	21450	19950	20360	19930	20830	21140
1963	21030	20750	20260	22270	22530	21600	20490	19050	18080	16850	16580	16650
1964	17270	17310	21550	21600	22870	21500	19550	18290	19080	18290	21270	21220
1965	21550	21630	21370	21320	21810	21110	19290	18170	19080	18720	19190	19550
1966	19600	20670	20700	19430	22630	22010	20650	20260	20420	19760	19430	19480
1967	19340	18880	18790	21500	21880	21340	20960	18910	20390	22320	21290	22480
1968	21500	20540	19950	19950	22070	22120	21220	20900	20520	19380	20620	21470
1969	21630	21420	21760	21580	21030	21880	19190	18080	17670	20650	20670	21940
1970	20980	20160	20670	19380	21730	20520	18770	17760	20240	20570	20420	20240
1971	19930	20140	19310	21190	21370	19790	19620	20340	19170	19430	19340	19520
1972	20240	20070	19380	22040	19450	18510	17160	15670	14920	21030	20390	20620
1973	20000	21400	20720	21190	21030	23300	23190	21960	21270	20520	20490	21500
1974	20750	20470	20880	20930	20020	21290	19190	19380	20240	20470	20650	20390
1975	20620	22200	21680	23040	23420	22580	23210	21420	20090	18910	18150	18390
MAX	21830	22200	21610	23040	23420	23300	23210	21960	21270	22320	21290	22480
MIN	17270	17310	18790	19380	19450	18510	17160	15670	14920	16850	16580	16650
MEAN	20519	20610	20689	21209	21556	21444	20333	19303	19366	19645	19827	20486
NO.	15	15	15	15	15	15	15	15	15	16	16	16
DISTR												
OF MEAN	8.4%	8.4%	8.4%	8.7%	8.8%	8.8%	8.3%	7.9%	7.9%	8.0%	8.1%	8.4%

TRINITY RIVER BASIN

08050100 Mountain Creek at Grand Prairie, Texas

LOCATION: Lat 32°44'52", long 96°55'33", Dallas County, at the bridge on Jefferson Street, 1,000 ft (305 m) upstream from the bridge on U.S. Highway 80, 1.2 mi (1.9 km) upstream from the Texas and Pacific Railroad Co. bridge, 1.5 mi (2.4 km) downstream from Mountain Creek Lake Dam, and 4.4 mi (7.1 km) east of Grand Prairie.

DRAINAGE AREA: 298 mi² (772 km²).

PERIOD OF RECORD: October 1960 to December 1975.

GAGE: Water-stage recorder, datum of gage is 407.31 ft (124.148 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 16 years, 76,824 ac-ft/yr (94.7 hm³/yr).

EXTREMES: Period of record (1960-75): Maximum discharge, 35,000 ft³/s (991 m³/s) May 7, 1969 (gage height, 24.62 ft or 7.504 m); no flow in 1964 and 1972-74.

REMARKS: Records good. The flow is regulated by Mountain Creek Lake (station 08050050).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1960	-	-	-	-	-	-	-	-	-	94.0	90.0	32.70	-
1961	15990	10220	8410	176	417	14360	1670	125	96.0	105	116	863	52548
1962	58.0	612	63.0	4230	110	71.0	87.0	5450	10300	155	128	115	21379
1963	65.0	22.0	24.0	14990	541	43.0	43.0	23.0	27.0	23.0	18.0	20.0	15839
1964	8.90	9.5	1730	12030	3300	70.0	30.0	61.0	109	61.0	3980	49.0	21438
1965	2560	34140	1200	674	40470	43.0	27.0	22.0	454	39.0	129	60.0	79818
1966	84.0	5190	1390	69650	34660	2850	17.0	323	1120	4920	33.0	54.0	120291
1967	13.0	22.0	23.0	1650	1780	929	678	30.0	31.0	7030	2190	2120	16496
1968	16290	6200	42110	1040	26610	2610	65.0	70.0	53.0	2260	1630	1030	99968
1969	1140	2500	13100	4020	119300	106	97.0	64.0	95.0	101	50.0	2520	143093
1970	2340	21320	21240	30300	3390	5880	27.0	15.0	3410	6090	50.0	42.0	94104
1971	52.0	69.0	38.0	4100	2860	30.0	88.0	221	34.0	25450	141	67760	100843
1972	3000	496	22.0	88.0	5140	40.0	13.0	10.0	21.0	72.0	4040	34.0	12976
1973	8100	6290	7160	46930	3220	60720	12800	829	11200	48290	4960	301	210800
1974	10970	1970	79.0	233	10620	185	34.0	61.0	2800	10570	22950	2490	62962
1975	2090	39650	3710	24070	26430	6920	7440	42.0	51.0	26.0	32.0	16.0	110477
MAX	16290	39650	42110	69650	119300	60720	12800	5450	11200	48290	22950	67760	210800
MIN	8.90	9.5	22.0	88.0	110	30.0	13.0	10.0	21.0	23.0	18.0	16.0	12976
MEAN	4184	8581	6687	14279	18590	6324	1541	490	1987	6580	2534	5047	76824
NO.	15	15	15	15	15	15	15	15	15	16	16	16	15
DISTR OF MEAN	5.4%	11.2%	8.7%	18.6%	24.2%	8.2%	2.0%	.6%	2.6%	8.6%	3.3%	6.6%	100%