

TRINITY RIVER BASIN

08050200 Elm Fork Trinity River Subwatershed No. 6-0 near Muenster, Texas

LOCATION: Lat 33°37'13", long 97°24'15", Cooke County, near the center of the earthfill dam on an unnamed tributary of the Elm Fork Trinity River, 1.0 mi (1.6 km) west of Farm Road 373, and 2.6 mi (4.2 km) southwest of Muenster.

DRAINAGE AREA: 0.77 mi<sup>2</sup> (1.99 km<sup>2</sup>).

PERIOD OF RECORD: October 1956 to September 1973.

GAGE: Water-stage recorder and flat-crested weir on the concrete drop inlet. Datum of gage is 941.75 ft (287.05 m) above mean sea level.

AVERAGE INFLOW: 18 years, 4,255 ac-ft/yr (5.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1956-73): Maximum inflow, 842 ft<sup>3</sup>/s (23.8 m<sup>3</sup>/s), average for 15-minute interval, Oct. 3, 1959; no inflow at times.

REMARKS: Records good. The pool is formed by a rolled earthfill dam 800 ft (244 m) long, with an emergency spillway located at the left end of the dam. The dam was completed in August 1956 and storage began in December 1956, although the first appreciable storage did not begin until Apr. 25, 1957. The outlet structure is a 2.5-foot (0.3-m) square concrete drop inlet connected to a 17-inch (432-millimeter) concrete pipe. The concrete pipe has a steel baffle plate with an 8-inch (203-millimeter) circular opening at the entrance. The crest of the drop inlet is at gage height 19.83 ft (604 m); the crest of the emergency spillway is at gage height 34.2 ft (10.4 m). There is also a valve-controlled 8-inch diameter (203-millimeter) water-supply outlet at the bottom of the drop-inlet structure at gage height 9.33 ft (2.84 m). The capacity of the pool at the crest of the emergency spillway is 279 ac-ft (0.344 hm<sup>3</sup>), at the crest of the drop inlet 75.1 ac-ft (0.092 hm<sup>3</sup>), and at the controlled outlet pipe 17.8 ac-ft (0.022 hm<sup>3</sup>).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1956	-	-	-	-	-	-	-	-	-	0	0	117	-
1957	0	0	0	8210	14200	6780	300	9.2	26.8	109	6902	670	37207
1958	2140	955	2400	1370	8550	186	232	10.4	3.00	79.9	13.1	16.0	15955
1959	49.2	36.6	45.5	42.8	16.0	19.0	4.30	0	1.80	6950	181	1220	8566
1960	4080	561	775	383	214	571	24.0	7.40	5.40	10.8	.80	7.90	6640
1961	22.7	31.0	54.3	9.2	4.90	1.70	1.30	1.20	1.50	26.0	3.30	8.60	166
1962	7.70	.70	1.50	110	6.60	86.0	4.00	2.30	148	11.9	52.7	48.6	480
1963	5.80	1.70	3.00	16.0	23.6	3.40	1.50	3.00	1.20	.20	.40	.30	60.1
1964	1.20	2.10	10.2	11.4	10.1	2.00	.50	.90	102	5.40	220	15.0	381
1965	36.0	33.1	5.90	5.40	47.3	30.8	1.50	1.90	57.8	24.4	4.50	2.80	251
1966	11.6	149	27.7	171	30.2	15.4	2.30	10.0	23.6	7.40	1.30	1.80	451
1967	.90	.60	2.30	9.8	78.8	13.8	5.60	6.50	2.40	1.50	1.50	2.10	126
1968	42.8	19.7	130	55.7	46.0	18.5	7.00	1.10	1.00	3.10	5.90	5.40	336
1969	26.3	38.9	133	29.1	178	4.50	.30	.20	.60	14.7	1.00	31.5	458
1970	12.8	42.9	42.8	80.7	14.4	4.60	1.30	.70	81.1	6.70	1.10	.70	290
1971	1.00	.90	1.20	2.60	2.50	2.20	.80	84.0	1.90	83.4	17.1	24.5	222
1972	11.4	3.80	1.90	5.70	20.6	2.00	1.60	.80	.40	4.80	14.9	2.30	70.2
1973	30.4	160	69.9	105	49.9	15.4	82.6	10.5	10.2	-	-	-	-
MAX	4080	955	2400	8210	14200	6780	300	84.0	148	6950	6902	1220	37207
MIN	0	0	0	2.60	2.50	1.70	.30	0	.40	0	0	.30	60.1
MEAN	381	120	218	625	1382	456	39.4	8.83	27.6	432	437	128	4255
NO.	17	17	17	17	17	17	17	17	17	17	17	17	16
DISTR OF MEAN	9.0%	2.8%	5.1%	14.7%	32.5%	10.7%	.9%	.2%	.6%	10.1%	10.3%	3.0%	100%

TRINITY RIVER BASIN

08050300 Elm Fork Trinity River near Muenster, Texas

LOCATION: Lat 33°36'36", long 97°22'57", Cooke County, 40 ft (12 m) upstream from the bridge on Farm Road 373, 2.5 mi (4.0 km) south of Muenster, 2.5 mi (4.0 km) downstream from Long Branch, and 6.5 mi (10.5 km) upstream from Brushy Elm Creek.

DRAINAGE AREA: 46.0 mi<sup>2</sup> (119 km<sup>2</sup>).

PERIOD OF RECORD: October 1956 to September 1973.

GAGE: Water-stage recorder. Datum of gage is 889.33 ft (271.07 m) above mean sea level.

AVERAGE DISCHARGE: 18 years, 13,955 ac-ft/yr (17.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1956-73): Maximum discharge, 5,900 ft<sup>3</sup>/s (167 m<sup>3</sup>/s) May 1, 1958, gage height, 20.20 ft (6.16 m); no flow at times.

Maximum stage since at least 1900, about 23 ft (7 m) in May 1935, 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
1956	-	-	-	-	-	-	-	-	-	0	0	117	-
1957	0	0	0	8190	14210	6800	301	9.5	27.0	109	6870	671	37188
1958	2140	954	2400	1370	8580	186	232	11.0	3.20	8.10	13.0	16.0	15913
1959	49.0	37.0	46.0	43.0	16.0	19.0	4.40	0	1.80	6930	181	1230	8557
1960	4090	562	773	383	214	570	24.0	7.50	5.60	224	39.0	262	7154
1961	1270	833	3060	1110	367	57.0	47.0	128	25.0	329	669	691	8586
1962	303	177	260	2600	659	2920	252	63.0	4120	392	2280	2750	16776
1963	438	252	316	1260	1340	264	31.0	1.00	0	0	5.20	7.10	3914
1964	5.00	9.9	64.0	115	146	7.50	0	1.60	3240	726	10300	3000	17615
1965	1300	1770	619	411	3660	1080	170	161	1200	684	240	214	11509
1966	563	5390	1250	5100	5760	695	100	226	493	185	123	116	20001
1967	91.0	77.0	69.0	253	1110	734	20.0	4.40	9.2	2.70	28.0	98.0	2496
1968	2340	806	6720	2010	3770	946	497	33.0	10.0	43.0	118	174	17467
1969	391	1630	6310	1900	10330	696	26.0	2.30	30.0	200	91.0	755	22361
1970	691	1810	3280	4010	2190	749	74.0	0	999	165	125	105	14198
1971	125	126	108	92.0	17.0	1.00	0	2540	65.0	5900	710	7280	16964
1972	743	321	214	284	1190	11.0	1.00	0	1.00	51.0	66.0	31.0	2913
1973	748	1460	1310	4910	2220	764	1200	795	124	-	-	-	-
MAX	4090	5390	6720	8190	14210	6800	1200	2540	4120	6930	10300	7280	37188
MIN	0	0	0	43.0	16.0	1.00	0	0	0	0	0	7.10	2496
MEAN	899	954	1576	2002	3281	971	175	234	609	938	1286	1030	13955
NO.	17	17	17	17	17	17	17	17	17	17	17	17	16
DISTR OF MEAN	6.4%	6.8%	11.3%	14.3%	23.5%	7.0%	1.3%	1.7%	4.4%	6.7%	9.2%	7.4%	100%

TRINITY RIVER BASIN

08050500 Elm Fork Trinity River near Sanger, Texas

LOCATION: Lat 33°23'11", long 97°05'05", Denton County, at the bridge on Farm Road 455, 4.1 mi (6.6 km) downstream from Spring Creek, 5.0 mi (8.0 km) upstream from Isle du Bois Creek, and 5.4 mi (8.7 km) northeast of Sanger.

DRAINAGE AREA: 381 mi<sup>2</sup> (987 km<sup>2</sup>).

PERIOD OF RECORD: May 1949 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 553.72 ft (168.774 m) above mean sea level, datum of 1929. Prior to May 7, 1955, at site 500 ft (150 m) downstream at same datum.

AVERAGE DISCHARGE: 27 years, 109,912 ac-ft/yr (135.5 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1949-75): Maximum discharge, 50,000 ft<sup>3</sup>/s (1,420 m<sup>3</sup>/s) Oct. 31, 1974 (gage height, 29.10 ft or 8.870 m); no flow at times.

Maximum stage since at least 1903, 30.7 ft (9.36 m) in May 1908, 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
1949	-	-	-	-	15330	11260	149	32.0	9190	30350	1300	970	-
1950	6890	23490	1910	2430	36490	15180	12810	56120	55900	2390	1230	1080	215920
1951	897	1660	1010	1110	1370	20000	4930	190	106	249	277	144	31943
1952	169	395	1780	9700	3210	180	4.20	0	0	0	171	68.0	15677
1953	106	90.0	683	5090	4440	7.50	1330	110	1030	5180	4340	923	23330
1954	3400	2150	4020	2760	9730	6060	3690	3720	3800	3640	279	527	43776
1955	176	260	427	1440	28910	10670	308	23.0	1410	26.0	13.0	340	44003
1956	2530	3210	3290	3250	3310	3100	3300	3700	3510	5090	3900	7040	45230
1957	4740	6460	7360	112900	120900	31320	2800	364	2090	1710	58470	8260	357374
1958	18000	5380	19180	15460	82260	3030	10940	673	723	319	315	313	156593
1959	338	278	589	237	992	22650	3210	282	555	25900	801	13090	68922
1960	30970	4000	5740	2270	1920	1150	5390	273	328	897	267	1390	54595
1961	6300	5910	16120	3860	1180	496	162	72.0	277	1640	1540	2720	40277
1962	858	479	837	14950	2050	15120	1150	243	67730	3220	20120	8480	135237
1963	2590	1630	1340	9520	8820	863	267	95.0	129	51.0	182	264	25751
1964	224	234	4500	4110	2390	461	15.0	226	32200	720	71170	10020	126270
1965	9800	15440	4030	2020	16380	8980	799	603	17230	3220	1670	1090	81262
1966	2350	41130	7540	70350	32850	2980	1050	5970	6290	1180	769	938	173397
1967	738	666	616	2040	36420	8010	720	205	286	95.0	155	315	50266
1968	6120	3660	49820	26160	52060	10920	4330	516	602	3700	1610	906	160404
1969	7660	20900	41520	14560	72490	5550	1240	674	836	13550	928	17410	197318
1970	4380	25520	29310	34530	12840	3970	600	277	34990	2410	883	813	150523
1971	831	1060	574	477	724	457	413	8590	2220	26250	3240	75690	120526
1972	3590	1840	1140	2730	6670	425	170	128	392	11570	10300	982	39937
1973	9020	15050	17360	38800	14980	14900	25150	3940	3510	18830	13840	6460	181840
1974	1930	3910	2020	10670	5880	2820	175	2620	21180	78860	50120	4040	184225
1975	9810	33200	31200	18800	15880	19260	1570	3040	857	533	540	680	135370
MAX	30970	41130	49820	112900	120900	31320	25150	56120	67730	78860	71170	75690	357374
MIN	106	90.0	427	237	724	7.50	4.20	0	0	0	13.0	68.0	15677
MEAN	5170	8385	9766	15778	21869	8141	3210	3433	9903	8947	9201	6109	109912
NO.	26	26	26	26	27	27	27	27	27	27	27	27	26
DISTR OF MEAN	4.7%	7.6%	8.9%	14.4%	19.9%	7.4%	2.9%	3.1%	9.0%	8.1%	8.4%	5.6%	100%

TRINITY RIVER BASIN

08051000 Isle du Bois Creek near Pilot Point, Texas

LOCATION: Lat 33°24'23", long 97°00'45", Denton County, at the bridge on Farm Road 372, 2.4 mi (3.9 km) downstream from Wolf Creek, 3.0 mi (4.8 km) west of Pilot Point, and 6.3 mi (10.1 km) upstream from the mouth.

DRAINAGE AREA: 266 mi<sup>2</sup> (689 km<sup>2</sup>).

PERIOD OF RECORD: May 1949 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 555.48 ft (169.310 m) above mean sea level. Prior to Feb. 8, 1958, water-stage recorder at site 1.0 mi (1.6 km) upstream at datum 4.22 ft (1.286 m) higher.

AVERAGE DISCHARGE: 27 years, 86,342 ac-ft/yr (106.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1949-75): Maximum discharge, 40,000 ft<sup>3</sup>/s (1,130 m<sup>3</sup>/s) Oct. 31, 1974 (gage height, 29.43 ft or 8.970 m, present site and datum); no flow at times most years.

Maximum stage since at least 1900, 30.4 ft (9.27 m) in May 1908, present site and datum, 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
1949	-	-	-	-	14990	4900	53.0	27.0	742	7310	47.0	104	-
1950	12210	24720	555	1430	36180	7430	13620	23280	37480	461	152	191	157709
1951	287	3660	626	1030	2330	25290	5270	17.0	100	157	115	12.0	38894
1952	25.0	407	1540	14620	5300	342	7.50	0	0	0	1200	1910	25352
1953	450	363	2270	23120	16130	49.0	415	46.0	72.0	902	3630	2040	49487
1954	2820	28.0	8.70	127	13620	7290	0	0	0	3710	149	1360	29113
1955	986	3140	2520	3530	18110	5320	4.80	0	148	60.0	0	0	33819
1956	0	986	4.60	145	1870	50.0	0	0	0	0	0	1130	4186
1957	28.0	2840	6080	103900	104500	11170	30.0	0	3730	687	41500	2540	277005
1958	8880	1140	11420	13280	60540	14870	7510	93.0	20.0	64.0	9.3	24.0	117850
1959	48.0	63.0	170	165	1930	9690	5060	35.0	116	16440	1350	12530	47597
1960	13750	6170	3400	606	1030	660	5690	281	600	24.0	4.40	3370	35585
1961	7390	7090	8260	1440	744	3470	531	87.0	1850	1850	2000	4360	39072
1962	159	115	1030	14060	371	14410	96.0	41.0	70820	559	14840	2300	118801
1963	437	293	395	6290	6490	661	103	0	0	0	0	0	14669
1964	.20	3.20	5740	9420	4190	3640	1.40	108	30550	185	39330	2530	95698
1965	6710	14380	1400	503	11010	6370	46.0	.60	14580	66.0	4030	162	59258
1966	184	13230	3620	105600	17060	190	275	4260	3450	42.0	93.0	22.0	148026
1967	26.0	34.0	167	16780	27950	13150	492	.60	360	33.0	231	8.21	60045
1968	11650	1430	36960	16370	36780	15360	1640	51.0	1100	476	5390	381	127588
1969	6070	19550	23250	6120	65300	9160	49.0	14.0	.90	1920	4.60	6750	138188
1970	586	13720	14640	42710	10090	5860	6.20	7.00	28430	682	127	126	116984
1971	308	502	153	106	3540	232	1130	4210	3840	25180	2630	59310	101141
1972	785	395	229	285	2560	6.00	0	194	173	14080	8780	187	27674
1973	8510	6230	23040	38020	9290	22010	13330	984	26980	23000	9010	2880	185284
1974	867	2320	787	3810	10780	12400	11.0	2070	10830	43940	32460	1510	121785
1975	4230	27000	21240	13520	21740	11310	352	58.0	105	22.0	59.0	115	99751
MAX	13750	27000	36960	105600	104500	25290	13620	23280	70820	43940	41500	59310	277005
MIN	0	3.20	4.60	106	371	6.00	0	0	0	0	0	0	4186
MEAN	3361	5839	6519	16807	18682	7603	2064	1328	8744	5254	6190	3951	86342
NO.	26	26	26	26	27	27	27	27	27	27	27	27	26
DISTR													
OF MEAN	3.9%	6.8%	7.6%	19.5%	21.6%	8.8%	2.4%	1.5%	10.1%	6.1%	7.2%	4.6%	100%

TRINITY RIVER BASIN

08051500 Clear Creek near Sanger, Texas

LOCATION: Lat 33°20'21", long 97°10'51", Denton County, at the bridge on Interstate Highway 35, 600 ft (180 m) downstream from Duck Creek, 1.3 mi (2.1 km) upstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, and 1.7 mi (2.7 km) south of Sanger.

DRAINAGE AREA: 295 mi<sup>2</sup> (764 km<sup>2</sup>).

PERIOD OF RECORD: March 1949 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 582.23 ft (177.464 m) above mean sea level. Prior to Apr. 18, 1975, water-stage recorder at site 950 ft (290 m) downstream at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE: 27 years, 58,591 ac-ft/yr (72.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1949-75): Maximum discharge, 18,200 ft<sup>3</sup>/s (515 m<sup>3</sup>/s) Sept. 13, 1950 (gage height, 24.80 ft or 7.559 m); no flow at times most years.

Maximum stage since at least 1880, 31.5 ft (9.60 m) in May 1908, from information by the Gulf, Colorado, and Santa Fe Railway Co.

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
1949	-	-	2310	499	9830	10720	84.0	0	1320	9680	330	482	-
1950	2360	12740	1470	2760	21140	7010	4560	3940	39980	1990	1190	1110	100250
1951	1030	1400	1490	975	1790	5570	1580	.20	1.80	152	88.0	5.80	14083
1952	0	112	376	1630	1950	1120	0	0	0	0	47.0	20.0	5255
1953	0	0	601	2280	3220	4.40	258	0	54.0	3930	777	519	11643
1954	1070	262	52.0	84.0	1790	2390	0	0	0	0	0	0	5648
1955	0	0	0	175	14390	11390	17.0	0	670	0	0	0	26642
1956	0	0	0	0	94.0	0	0	0	0	0	0	1.85	279
1957	0	351	364	70650	77490	26470	329	36.0	1650	1190	26060	3770	208360
1958	8310	3030	11150	8180	37150	2320	3430	347	71.0	39.0	305	334	74666
1959	394	293	451	345	549	14670	1510	14.0	70.0	15290	637	5730	39953
1960	16710	2930	3470	1730	1360	1220	150	0	225	1270	41.0	525	29631
1961	3720	2600	8230	2560	2150	326	5.40	0	707	2620	808	1130	24856
1962	504	309	479	8060	988	8890	1270	162	44190	1440	11180	5220	82692
1963	1950	1260	1020	7890	10260	625	59.0	0	0	0	154	62.0	23280
1964	147	154	1030	5480	3970	485	0	1040	18200	1350	58190	4410	94456
1965	8580	10310	4410	2350	12130	7470	568	1310	12810	3190	801	1080	65009
1966	1390	24540	5740	27170	20970	4900	789	2910	3910	804	637	974	94734
1967	757	731	667	981	11590	10700	56.0	.06	14.0	30.0	143	273	25942
1968	1460	965	24910	21350	19800	4490	1970	151	46.0	1610	800	849	78401
1969	2210	8330	24410	6370	36620	4070	650	184	645	2830	552	6200	93071
1970	2670	9800	14550	20670	8480	2550	297	20.0	14480	1470	662	712	76561
1971	740	873	630	504	618	89.0	0	1220	361	11760	2040	37910	56745
1972	2840	1480	1020	2030	4960	232	22.0	0	0	1490	2420	492	16986
1973	3620	4810	5530	31620	5390	10120	11580	4350	1030	9750	6350	3390	97540
1974	1770	1910	1690	5150	4360	944	23.0	1860	7310	28480	46560	3650	103707
1975	4970	21810	17920	12440	11550	15990	1770	781	478	453	492	771	89425
MAX	16710	24540	24910	70650	77490	26470	11580	4350	44190	28480	58190	37910	208360
MIN	0	0	0	0	94.0	0	0	0	0	0	0	0	279
MEAN	2592	4269	4962	9035	12022	5732	1147	679	5490	3734	5973	2956	58591
NO.	26	26	27	27	27	27	27	27	27	27	27	27	26
DISTR OF MEAN	4.4%	7.3%	8.5%	15.4%	20.5%	9.8%	2.0%	1.2%	9.4%	6.4%	10.2%	5.0%	100%

TRINITY RIVER BASIN

08052000 Elm Fork Trinity River near Denton, Texas

LOCATION: Lat 33°15', long 97°03', Denton County, at the Texas and Pacific Railway bridge, 1.0 mi (1.6 km) downstream from the mouth of Clear Creek, and 6 mi (9.6 km) northeast of Denton.

DRAINAGE AREA: 1,076 mi<sup>2</sup> (2,786.8 km<sup>2</sup>).

PERIOD OF RECORD: December 1923 to November 1926.

GAGE: Chain gage. Datum of gage is 500.62 ft (152.6 m) above mean sea level.

EXTREMES: Period of record (1923-26): Maximum discharge, 8,330 ft<sup>3</sup>/s (235.9 m<sup>3</sup>/s) March 20, 1924 (gage height, 29.05 ft or 8.8 m); no flow at times.

The flood during 1908 reached a stage of 31.53 ft (9.6 m).

REMARKS: Records poor.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	-	-	44000	-
1924	7770	5400	91200	39100	17700	2120	1090	428	174	155	49.0	1130	166316
1925	353	319	217	22500	20700	242	47.0	1250	6940	8820	1470	81.9	62940
1926	13500	637	6220	32700	54000	29600	82400	25100	2670	9660	1780	-	-
MAX	13500	5400	91200	39100	54000	29600	82400	25100	6940	9660	1780	44000	166316
MIN	353	319	217	22500	17700	242	47.0	428	174	155	49.0	81.9	62940
MEAN	7208	2119	32546	31433	30800	10654	27846	8926	3261	6212	1100	15071	177176
NO.	3	3	3	3	3	3	3	3	3	3	3	3	2
DISTR													
OF MEAN	4.1%	1.2%	18.4%	17.7%	17.4%	6.0%	15.7%	5.0%	1.8%	3.5%	.6%	8.5%	100%

TRINITY RIVER BASIN

08052500 Lake Dallas near Lake Dallas, Texas

LOCATION: Lat 33°07', long 96°59', Denton County, at Garza Dam on the Elm Fork Trinity River, 1.6 mi (2.6 km) upstream from Little Elm Creek, and 2.0 mi (3.2 km) southeast of Lake Dallas.

DRAINAGE AREA: 1,165 mi<sup>2</sup> (3,017.4 km<sup>2</sup>).

PERIOD OF RECORD: December 1928 to September 1957.

GAGE: Water-stage recorder. Datum of gage is 0.08 ft (0.02 m) above mean sea level, datum of 1929.

EXTREMES: Period of record (1928-57): Maximum contents occurred during the period of backwater from Garza-Little Elm Reservoir (station 08052800); minimum contents, 19,220 ac-ft (23.7 hm<sup>3</sup>) November 28, 1952 (gage height, 503.2 ft or 153.4 m).

REMARKS: The lake is formed by an earthen hydraulic-fill dam, consisting of 567 ft (172.8 m) of concrete service spillway and two dikes. The capacity of the lake is 156,600 ac-ft (193.1 hm<sup>3</sup>). There are two emergency earthen spillways beyond the right end of the dam. The dam was completed in November 1927 and storage began on February 16, 1928. Dead storage is negligible. The dam is operated by the City of Dallas for municipal water supply. Since February 1, 1954, the City of Dallas has at times operated 6 pumps (total capacity about 120 ft<sup>3</sup>/s or 3.4 m<sup>3</sup>/s) to divert water from the Red River into Lake Dallas.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1928	-	-	-	-	-	-	-	-	-	-	-	141200
1929	150200	151200	153200	143200	196200	173200	169200	158200	163200	133600	131800	107600
1930	95800	96600	101600	102400	146200	147200	136500	128200	122800	149200	144200	137400
1931	124600	147200	118600	116000	119400	114400	108400	102400	90500	104200	99900	112600
1932	163000	185200	128200	112600	114400	129100	128200	116000	105000	92000	76500	90500
1933	117800	110100	113500	128200	172200	131800	115200	104200	82800	63300	51300	46700
1934	47700	55000	100800	121200	132700	118600	105800	94200	87700	79300	82800	76500
1935	82100	80000	103300	107600	192900	166200	156200	124600	118600	119400	122000	131800
1936	113500	104200	101600	96600	135600	124600	113500	100800	212700	197300	140300	153200
1937	153200	145200	155200	156200	145200	155200	152200	130900	93500	87700	82600	103300
1938	153200	181900	238500	132700	128200	126400	115200	82100	67200	60200	56000	52400
1939	51300	53400	90500	130000	126400	129100	113500	99000	85600	75100	62200	57000
1940	51800	48200	42500	75800	126400	183000	183000	173200	157200	146200	181900	155200
1941	126400	183000	148200	188500	162200	194000	175400	172200	157200	192900	173200	174300
1942	166200	160200	158200	202800	173200	172200	152200	130900	115200	113500	115200	116000
1943	102400	86300	135600	130900	171200	144200	128200	107600	95000	90500	82800	86300
1944	90500	189600	171200	175400	191800	160200	140300	124600	106700	97400	105800	132700
1945	143200	178600	210500	178600	167200	177500	169200	151200	170200	158200	148200	134600
1946	154200	169200	157200	148200	253600	166200	148200	129100	112600	92000	139400	151200
1947	131800	116900	112600	132700	188500	191800	162200	133600	107600	89100	77900	146200
1948	171200	211600	154200	147200	187400	172200	164200	129100	93500	73000	61200	52360
1949	55480	81400	99050	95800	162200	186300	169200	155200	156200	192900	166200	161200
1950	175400	177500	160200	166200	184100	181900	198400	211600	177500	156200	142200	134600
1951	132700	138400	135600	130900	130000	185200	166200	138400	116900	73350	66270	58950
1952	53440	49800	47270	80050	87750	76600	60150	42000	28240	20730	21770	22040
1953	21770	20220	22850	68190	101800	88500	78650	66910	57180	58950	67550	68190
1954	74650	72700	69470	69470	93000	97700	83550	69470	60150	61950	58350	57750
1955	57750	61950	63150	64350	106000	123200	101800	81450	71400	59550	49280	43910
1956	42600	44870	45830	47760	55020	50840	40120	29600	21510	20730	22310	28920
1957	34320	42470	57180	198700	-	-	142000	84950	71400	-	-	-
MAX	183000	211600	238500	202800	253600	194000	198400	211600	212700	197300	181900	174300
MIN	21770	20220	22850	47760	55020	50840	40120	29600	21510	20730	21770	22040
MEAN	105435	115273	117097	125801	148242	145262	133685	116265	107079	102088	97476	101194
NO.	29	29	29	29	28	28	29	29	29	28	28	29
DISTR												
OF MEAN	7.5%	8.1%	8.3%	8.9%	10.5%	10.3%	9.4%	8.2%	7.6%	7.2%	6.9%	7.2%

TRINITY RIVER BASIN

08052630 Little Elm Creek Subwatershed No. 10 near Gunter, Texas

LOCATION: Lat 33°24'33", long 96°48'41", Grayson County, near the center of the dam on Walnut Fork, a tributary to Little Elm Creek, 1.6 mi (2.6 km) upstream from the mouth, and 4.7 mi (7.6 km) southwest of Gunter.

DRAINAGE AREA: 2.10 mi<sup>2</sup> (5.44 km<sup>2</sup>).

PERIOD OF RECORD: April 1966 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 615.51 ft (187.607 m) above mean sea level.

AVERAGE INFLOW: 10 years, 1,151 ac-ft/yr (1.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1966-75): Maximum inflow, 3,240 ft<sup>3</sup>/s (91.8 m<sup>3</sup>/s), average for 5-minute interval, May 30, 1967, computed from the outflow and 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 good. The dam was completed on Mar. 16, 1966 and storage began in April 1966. The pool is formed by a rolled earthfill dam 1,588 ft (484 m) long, with a 130-foot wide (40-m) spillway at the left end of the dam with the crest at gage height 29.2 ft (8.90 m). The outlet structure is a 2.0- by 4.0-foot (0.6- by 1.2-m) uncontrolled concrete drop-inlet structure with the crest at gage height 20.00 ft (6.096 m) and connected to a 24-inch (610-millimeter) concrete pipe with the invert at gage height 13.0 ft (3.96 m). There is also a 12-inch (305-millimeter) controlled slide gate used as a water-supply outlet that is connected to the drop inlet at gage height 13.5 ft (4.11 m). The pool capacity is 868 ac-ft (1.07 hm<sup>3</sup>) at the spillway crest, 159 ac-ft (0.196 hm<sup>3</sup>) at the crest of the drop inlet, and 40 ac-ft (0.049 hm<sup>3</sup>) at the controlled slide gate.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1966	-	-	-	742	74.7	4.20	4.40	45.9	150	6.20	.60	4.80	-
1967	2.20	2.40	10.1	136	382	50.9	6.80	2.90	6.80	5.00	2.80	8.10	616
1968	45.0	8.60	4.20	148	246	14.6	4.00	3.60	19.0	4.80	119	19.3	1052
1969	49.5	197	104	32.5	573	24.7	.70	1.20	4.90	12.8	1.90	1.29	1131
1970	1.40	262	230	571	105	14.9	0	0	128	7.90	4.60	2.10	1327
1971	3.80	2.50	4.30	1.60	39.8	3.40	8.80	42.2	37.3	210	214	3.72	940
1972	0	2.80	2.60	9.1	3.40	0	.10	1.70	33.4	202	92.3	4.20	352
1973	112	83.0	306	139	122	261	91.6	17.4	340	525	161	3.60	2162
1974	6.80	14.0	2.20	50.3	101	515	4.70	30.3	121	637	215	61.0	1758
1975	40.0	183	70.5	164	149	268	5.20	2.20	4.00	0	2.60	1.60	890
MAX	112	262	420	742	573	515	91.6	45.9	340	637	215	3.72	2162
MIN	0	2.40	2.20	1.60	3.40	0	0	0	4.00	0	.60	1.60	352
MEAN	29.0	83.9	128	199	180	116	12.6	14.7	84.4	161	81.4	60.6	1151
NO. OF DISTR	9	9	9	10	10	10	10	10	10	10	10	10	9
OF MEAN	2.5%	7.3%	11.1%	17.3%	15.6%	10.1%	1.1%	1.3%	7.3%	14.0%	7.1%	5.3%	100%

**TRINITY RIVER BASIN**  
**08052650 Little Elm Creek near Celina, Texas**

LOCATION: Lat 33°21'55", long 96°49'25", Collin County, at the bridge on Farm Road 455, 3.6 mi (5.8 km) northwest of Celina, and 10 mi (16 km) upstream from Mustang Creek.

DRAINAGE AREA: 46.7 mi<sup>2</sup> (121.0 km<sup>2</sup>).

PERIOD OF RECORD: March 1966 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 582.4 ft (177.5 m) above mean sea level.

AVERAGE DISCHARGE: 10 years, 28,028 ac-ft/yr (34.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1966-75): Maximum discharge, 5,340 ft<sup>3</sup>/yr (151 m<sup>3</sup>/s) May 31, 1967 (gage height, 13.32 ft or 4.060 m); no flow for many days each year.

REMARKS: Records fair. There are several small diversions for irrigation above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1966	-	-	156	14880	4420	30.0	18.0	1730	1300	135	0	0	-
1967	0	0	156	2560	6000	5310	0	0	0	0	0	92.0	14118
1968	1120	446	8620	4460	8730	175	132	0	458	134	1900	849	27024
1969	893	4560	3320	2030	14020	1170	3.40	0	0	909	2.40	3240	30148
1970	854	5740	5510	9560	3200	217	0	1.20	2390	54.0	1.50	0	27528
1971	0	4.00	.70	0	738	83.0	103	956	319	5550	4020	15560	27334
1972	66.0	3.00	4.00	46.0	248	0	0	0	249	4270	2980	74.0	7940
1973	2310	2000	7870	4000	3030	7590	443	186	6600	11470	5080	290	50869
1974	155	652	70.0	2640	2580	10460	0	317	4260	6820	14550	1610	44114
1975	1140	5430	1700	3960	3250	10150	4.10	0	72.0	0	0	0	25706
MAX	2310	5740	8620	14880	14020	10460	443	1730	6600	11470	14550	15560	50869
MIN	0	0	.70	0	248	0	0	0	0	0	0	0	7940
MEAN	726	2093	2741	4414	4622	3519	70.3	319	1565	2934	2853	2172	28028
NO.	9	9	10	10	10	10	10	10	10	10	10	10	9
DISTR OF MEAN	2.6%	7.5%	9.8%	15.7%	16.5%	12.6%	.3%	1.1%	5.6%	10.5%	10.2%	7.7%	100%

TRINITY RIVER BASIN

08053000 Elm Fork Trinity River near Lewisville, Texas

LOCATION: Lat 33°02'43", long 96°57'41", Denton County, at the bridge on State Highway 121, 1.8 mi (2.9 km) east of Lewisville, 1.9 mi (3.1 km) downstream from Lewisville Lake, and 8.3 mi (13.4 km) upstream from Denton Creek.

DRAINAGE AREA: 1,673 mi<sup>2</sup> (4,333 km<sup>2</sup>).

PERIOD OF RECORD: March 1949 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 432.39 ft (131.792 m) above mean sea level. Prior to Jan. 6, 1950, nonrecording gage 0.6 mi (1.0 km) upstream at datum 3.26 ft (0.994 m) lower.

AVERAGE DISCHARGE: 27 years, 434,289 ac-ft/yr (535.5 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1949-75): Maximum discharge, 21,700 ft<sup>3</sup>/s (615 m<sup>3</sup>/s) Sept. 15, 1950 (gage height, 30.75 ft or 9.373 m); minimum daily, 0.8 ft<sup>3</sup>/s (0.023 m<sup>3</sup>/s) Jan. 19, 1955. Maximum discharge since the construction of Lewisville Dam in 1954, 11,400 ft<sup>3</sup>/s (323 m<sup>3</sup>/s) May 27, 1957, includes about 4,000 ft<sup>3</sup>/s (113 m<sup>3</sup>/s) passing over the spillway of Lewisville Dam and bypassing the gage.

Maximum stage since at least 1907, 33.8 ft (10.30 m) in 1908, present site and datum, from information by a local resident.

REMARKS: Records good. The flow is regulated by Lewisville Lake (station 08052800) since November 1954.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1949	-	-	16380	9580	57140	22540	10240	8560	10180	44680	24330	6440	-
1950	72680	139400	23560	12920	189600	66750	30870	62140	232800	24760	12680	7970	876130
1951	4420	5820	4640	6260	7530	64210	27790	18850	15650	12210	6070	6850	180500
1952	4990	4400	5710	27500	13750	8700	10620	14060	10700	6540	3720	3600	114310
1953	2800	2430	3700	32130	27020	7100	7560	8790	7330	7520	5380	4720	116480
1954	6670	3700	5440	6410	20950	10650	13310	13020	10830	10460	2220	2150	105810
1955	937	1310	2320	2650	5930	6490	12850	12300	8590	7390	6320	4890	71977
1956	5090	4210	6930	7900	9610	13060	12210	11490	8280	4810	2420	2470	88480
1957	2930	2530	3300	12550	245500	310800	230700	131200	21630	6970	206300	15730	1190340
1958	45660	19050	67360	40810	229600	192900	59640	15430	3670	1420	5230	5680	686650
1959	4740	5140	5760	5120	6910	7680	10700	12150	8760	6880	6880	46400	127120
1960	98020	23300	14820	6620	27570	8740	10550	13440	11480	7430	7670	6530	236170
1961	7830	25510	54780	26140	12080	10000	9680	14090	10660	7180	5020	5880	188850
1962	7930	6220	6140	4700	10540	22800	25120	13060	147600	132200	25740	73480	475530
1963	13510	8330	9640	10620	54000	18940	16360	3360	8190	17520	9870	8450	178990
1964	8960	5740	6510	7260	9930	14610	22630	17570	60450	79040	119200	202300	554200
1965	49800	91850	28710	9710	64090	53420	20790	14300	14240	12490	13450	13780	386630
1966	5330	59440	17560	15030	210200	216900	118300	14130	18580	11820	8980	8880	705150
1967	4910	3220	8840	8560	12520	116200	14710	19430	8360	8660	6420	5360	217190
1968	6090	5580	87400	170100	118600	130600	22560	18270	11650	8740	7940	10280	597810
1969	11020	33370	169900	105600	147900	225800	58390	24800	13460	13280	13780	14450	831750
1970	10540	15580	166400	66410	214400	75150	25400	22070	23150	23340	7910	9080	659430
1971	8560	9730	10690	10070	11580	15690	15310	6530	8170	23580	27250	170800	318160
1972	205400	9560	10320	17680	7460	15860	19700	19390	14220	10640	9500	8650	348380
1973	9960	22560	93420	41040	162100	114200	39080	80470	27470	148600	73630	27520	840050
1974	12460	7790	11540	30490	51350	48800	15530	5590	16760	21790	237400	255800	715300
1975	24330	160900	82690	87770	54180	174100	16080	13350	11430	8090	9470	11250	653640
MAX	205400	160900	169900	170100	245500	310800	230700	131200	232800	148600	237400	255800	1190340
MIN	937	1310	2320	2650	5930	6490	7560	3360	3670	1420	2220	2150	71977
MEAN	24445	26026	34254	28957	73409	73063	32470	22513	27589	24742	32029	34792	434289
NO.	26	26	27	27	27	27	27	27	27	27	27	27	26
DISTR													
OF MEAN	5.6%	6.0%	7.9%	6.7%	16.9%	16.8%	7.5%	5.2%	6.4%	5.7%	7.4%	8.0%	100%

**TRINITY RIVER BASIN**  
**08053500 Denton Creek near Justin, Texas**

LOCATION: Lat 33°07'08", long 97°17'25", Denton County, at the bridge on Farm Road 156, 100 ft (30 m) upstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.2 mi (3.5 km) north of Justin, 3.0 mi (4.8 km) upstream from Olivers Creek, 12.9 mi (20.8 km) upstream from Harriet Creek, and 32.9 mi (52.9 km) upstream from Grapevine Dam.

DRAINAGE AREA: 400 mi<sup>2</sup> (1,036 km<sup>2</sup>).

PERIOD OF RECORD: October 1949 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 606.66 ft (184.910 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 27 years, 62,152 ac-ft/yr (76.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1949-75): Maximum discharge, 29,800 ft<sup>3</sup>/s (844 m<sup>3</sup>/s) May 24, 1957 (gage height, 17.64 ft or 5.377 m); no flow at times in 1949-65 and 1967-74.

Flood in May 1935 was the highest since 1908 and reached a stage of 20.6 ft (6.28 m) at a site about 1,500 ft (457 m) upstream, from information by a local resident. Flood in May 1908 reached a stage about 1.0 ft (0.30 m) higher than flood in May 1935, from information by a local resident.

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
1949	-	-	-	-	-	-	-	-	-	8340	477	416	-
1950	1800	13830	1240	5510	30460	9330	26910	3280	28160	1300	750	910	123480
1951	1000	1570	1550	1120	2210	13080	4040	40	1800	0	0	0	24572
1952	60.0	88.0	310	1460	1780	1040	0	0	0	0	0	0	4738
1953	0	0	0	1130	3750	0	985	390	0	4490	1290	1000	13035
1954	1710	325	105	60.0	2770	3050	0	0	0	0	0	0	8020
1955	0	0	0	0	2780	3450	0	0	0	0	0	0	6230
1956	0	0	0	235	1600	0	34.0	97.0	34.0	88.0	14.0	719	2821
1957	0	898	657	95940	107900	36000	468	5.20	116	896	15340	1960	260180
1958	4090	1910	9870	15560	72440	1490	1360	4.80	4.80	5.00	151	197	107083
1959	236	268	344	219	123	22610	3970	93.0	204	34710	831	4540	68148
1960	15750	4030	5370	2300	2140	1730	837	80.0	0	1950	30.0	771	34988
1961	4260	1950	6330	3140	2530	2900	246	0	0	1230	1220	1280	25086
1962	413	317	434	4800	544	10060	2310	1150	42500	1980	11060	5540	81108
1963	2310	1270	1070	8690	13040	997	18.0	0	0	0	0	0	27395
1964	0	17.0	1030	6090	5160	1180	0	6.00	7120	277	48620	3730	73230
1965	7660	9450	3410	2030	12700	7230	361	223	4340	1260	251	511	49426
1966	709	11280	2470	19030	36130	8900	561	1150	2060	506	616	695	84107
1967	490	503	581	1030	8040	15960	149	0	0	81.0	39.0	158	27031
1968	3360	1340	25800	23900	18290	4950	2590	196	177	541	653	675	62472
1969	1550	4540	29100	9440	49660	3980	576	49.0	666	1080	521	4730	105892
1970	1940	7810	21560	16420	9210	2500	152	.10	14000	1560	627	661	76440
1971	787	859	694	613	440	94.0	66.0	1190	980	10100	1160	32570	49553
1972	2630	1810	1590	1920	9620	294	0	81.0	16.0	1600	1130	760	21453
1973	2000	2310	3380	17630	8180	11900	13170	5620	637	9460	5580	2120	81987
1974	1590	1740	1290	5260	2510	918	8.70	578	5010	27970	40170	3800	90845
1975	3020	19340	12850	12070	18150	14940	4580	707	404	965	597	1230	88853
MAX	15750	19340	29100	95940	107900	36000	26910	5620	42500	34710	48620	32570	260180
MIN	0	0	0	0	123	0	0	0	0	0	0	0	2821
MEAN	2206	3364	5040	9831	16237	6869	2438	573	4094	4088	4857	2555	62152
NG.	26	26	26	26	26	26	26	26	26	27	27	27	26
DISTR OF MEAN	3.5%	5.4%	8.1%	15.8%	26.1%	11.1%	3.9%	.9%	6.6%	6.6%	7.8%	4.1%	100%

TRINITY RIVER BASIN

08054000 Denton Creek near Roanoke, Texas

LOCATION: Lat 33°02', long 97°12', Denton County, 1,100 ft (335.3 m) downstream from the bridge on U.S. Highway 377, 1,200 ft (365.8 m) downstream from the Texas and Pacific Railway Co. bridge, 2.5 mi (4.0 km) northeast of Roanoke, and 8.5 mi (13.7 km) downstream from Olivers Creek.

DRAINAGE AREA: 621 mi<sup>2</sup> (1,608.4 km<sup>2</sup>).

PERIOD OF RECORD: October 1923 to December 1927, March 1939 to September 1955.

GAGE: Water-stage recorder. Datum of gage is 523.55 ft (159.6 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 22 years (1923-27, 1939-55), 111,810 ac-ft/yr (137.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1923-27, 1939-55): Maximum discharge, 49,700 ft<sup>3</sup>/s (1,407.5 m<sup>3</sup>/s) April 20, 1942 (gage height, 30.2 ft or 9.2 m); no flow at times.

Maximum stage known, 31 ft (9.4 m) in May 1908, from floodmarks pointed out by local residents.

REMARKS: Records fair.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	4670	11030	35100	-
1924	3350	2300	31890	12140	6950	1340	242	192	2000	0	116	11.9	58534
1925	46.6	113	118	6720	14690	99.6	78.9	143	0	2000	194	0	24203
1926	3170	82.1	9230	11740	9970	14590	10970	5770	2020	1530	109	7590	76771
1927	7410	10720	24970	41720	3980	986	2740	1030	514	2950	41.0	5260	102321
1928	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	-	-
1939	-	-	2930	11690	1690	425	383	0	0	0	0	0	-
1940	0	0	175	3210	9550	18260	39170	6240	5000	0	21750	40970	139330
1941	7720	29080	11490	35250	13490	124600	3570	3930	561	34290	10630	8840	283451
1942	4010	3090	5030	233900	62270	46840	1980	1340	4410	7960	5150	2490	380470
1943	1600	1710	29560	7320	35580	10830	301	80	76.0	251	1.60	321	87553
1944	1110	26590	14860	18770	38340	3640	333	881	1310	815	2920	5890	117459
1945	5910	75020	78270	45970	6150	5950	15150	402	3830	16720	1810	1750	256932
1946	18890	32240	13240	5300	29630	29110	1140	309	1660	85.0	22780	29850	184234
1947	5970	2620	7770	16610	15450	1760	60.0	0	1.20	60.0	185	16560	67046
1948	12670	45700	10400	2440	3290	1550	1970	0	0	0	0	0	78020
1949	1.40	1440	7400	1120	44870	18660	838	85.0	1970	19200	644	5.67	96795
1950	5250	17790	2400	12390	63580	14980	44760	4840	29950	1750	972	1180	199842
1951	1130	1790	1860	1270	2510	18680	6690	2.60	202	12.0	1.80	23.0	34171
1952	3.60	74.0	239	8030	6230	2670	0	0	0	0	0	11.0	17258
1953	4.20	0	129	6310	11860	11.0	768	161	6.10	8560	2730	1400	31939
1954	2030	696	233	729	3550	3240	0	0	0	0	0	0	10478
1955	0	2.40	138	34.0	5460	5990	59.0	0	716	-	-	-	-
MAX	18890	75020	78270	233900	63580	124600	44760	6240	29950	34290	22780	40970	380470
MIN	0	0	118	34.0	1690	11.0	0	0	0	0	0	0	10478
MEAN	4014	12653	12016	22984	18528	15534	6248	1206	2249	4803	3860	7515	111610
NO.	20	20	21	21	21	21	21	21	21	21	21	21	19
DISTR OF MEAN	3.6%	11.3%	10.8%	20.6%	16.6%	13.9%	5.6%	1.1%	2.0%	4.3%	3.5%	6.7%	100%

TRINITY RIVER BASIN

08054500 Grapevine Lake near Grapevine, Texas

LOCATION: Lat 32°58'21", long 97°03'22", Tarrant County, in the intake structure of Grapevine Dam on Denton Creek, 2.7 mi (4.3 km) northeast of Grapevine, 4.3 mi (6.9 km) upstream from the bridge on State Highway 121, and 11.7 mi (18.8 km) upstream from the mouth.

DRAINAGE AREA: 695 mi<sup>2</sup> (1,800 km<sup>2</sup>).

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

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to May 16, 1953, nonrecording gage at site 1,000 ft (305 m) upstream at present datum.

EXTREMES: Period of record (1952-75): Maximum contents, 445,800 ac-ft (549.7 hm<sup>3</sup>) June 6, 1957 (elevation, 560.80 ft or 170.932 m); minimum contents since the lake first filled in 1957, 114,000 ac-ft (140.6 hm<sup>3</sup>) Mar. 6, 1964 (elevation, 523.33 ft or 159.511 m).

REMARKS: The lake is formed by a rolled earthfill dam 12,850 ft (3,917 m) long, including a 500-foot (150-m) uncontrolled off-channel concrete-gravity spillway with an ogee weir section, with a capacity of 181,100 ac-ft (223.3 hm<sup>3</sup>). The dam was completed in June 1952 and deliberate impoundment began on July 3, 1952. The controlled outlet works consist of a 13-foot diameter (4-m) concrete conduit that is 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 with service valves. The lake was built for flood control, navigation, and water conservation. 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	-	-	-	-	-	-	832	832	676	573	1180	1370
1953	1320	1360	1760	11620	24600	22790	22230	21120	20290	28450	30680	31250
1954	33410	33550	32980	33820	37930	38560	36260	34180	33190	32660	29830	26830
1955	23300	20980	18570	15060	21620	27820	26180	24860	24900	23930	23190	22770
1956	22690	25770	25010	25170	32360	30520	25570	20840	18010	15990	14810	15290
1957	15290	16420	17860	180600	390700	392900	291100	188400	184200	182400	197800	188500
1958	188400	188200	194100	236300	298200	214700	185500	179700	172500	164400	162300	160500
1959	158900	158400	156800	153900	151200	174500	178200	170700	165800	187400	182800	187400
1960	188400	186000	187500	184800	183600	174200	171200	167200	161500	159700	156600	157600
1961	163500	170100	184900	186000	184700	194400	179300	165200	158700	157100	155100	154100
1962	150700	148400	146800	156600	151400	162700	176900	173900	212600	190900	199800	189700
1963	185000	183400	182500	196800	186700	179000	167500	136500	122700	119200	116800	115000
1964	115200	114100	116700	139100	148900	145700	136800	132700	180300	177200	245400	190700
1965	193000	190000	189500	186600	190300	188200	177600	166400	176600	173500	172900	172300
1966	169300	185500	185500	258500	293600	250700	187400	182600	183400	179500	177300	175800
1967	169600	162500	162700	164700	175400	185800	178400	169500	164800	161300	156600	152600
1968	156600	155300	205900	199700	210300	189000	184500	177400	175800	173400	171400	168000
1969	169900	178500	222700	193000	226200	188100	179500	172100	167000	165400	162300	177300
1970	179300	203700	209900	226900	198900	185800	176600	168600	202700	187200	183300	180500
1971	178000	177600	163800	158000	153300	145100	138800	134700	131400	158600	159500	212900
1972	189700	190400	188500	181700	177400	170200	160400	152800	146600	147000	147200	145200
1973	149800	156800	166200	197500	193200	192700	192600	180200	176600	186900	187600	183300
1974	181500	180900	179000	187400	187100	186800	171800	162900	174500	254100	269800	202500
1975	183300	181000	191200	182900	205800	182900	185100	175800	166400	155700	150600	148700
MAX	193000	203700	222700	258500	390700	392900	291100	188400	212600	254100	269800	212900
MIN	1320	1360	1760	11820	21620	22790	832	832	676	573	1180	1370
MEAN	137657	139517	144799	158994	174931	166221	147095	135797	138382	140938	143950	140005
NO.	23	23	23	23	23	23	24	24	24	24	24	24
DISTR OF MEAN	7.8%	7.9%	8.2%	9.0%	9.9%	9.4%	8.3%	7.7%	7.8%	8.0%	8.1%	7.9%

TRINITY RIVER BASIN

08055000 Denton Creek near Grapevine, Texas

LOCATION: Lat 32°59'13", long 97°00'45", Denton County, at the bridge on State Highway 121, 1.3 mi (2.1 km) downstream from Bakers Branch, 4.3 mi (6.9 km) downstream from Grapevine Dam, 5.0 mi (8.0 km) northeast of Grapevine, and 6.1 mi (9.8 km) upstream from the mouth.

DRAINAGE AREA: 705 mi<sup>2</sup> (1,826 km<sup>2</sup>).

PERIOD OF RECORD: October 1947 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 439.11 ft (133.841 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 29 years, 108,020 ac-ft/yr (133.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1947-75): Maximum discharge, 13,900 ft<sup>3</sup>/s (394 m<sup>3</sup>/s) Feb. 26, 1948 (gage height, 30.38 ft or 9.260 m); no flow at times. Maximum discharge since construction of Grapevine Dam in 1952, 6,430 ft<sup>3</sup>/s (182 m<sup>3</sup>/s) Sept. 21, 1964 (gage height, 26.50 ft or 8.077 m).

Flood in May 1908 was slightly higher than the flood in April 1942, which reached a stage of 35.9 ft (10.94 m), from floodmarks, from information by a local resident.

REMARKS: Records good. The flow is regulated by Grapevine Lake since July 1952 (station 08054500). Much of the flow is used by the City of Dallas for municipal water supply.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1947	-	-	-	-	-	-	-	-	-	91.0	217	14880	-
1948	14540	48050	12230	2900	3690	1790	2520	0	0	0	0	0	85720
1949	553	5070	10460	1730	53510	30340	766	196	2350	25870	937	855	132637
1950	10490	25290	3410	14380	70250	14180	45200	4950	30440	2020	1180	1410	223200
1951	1290	2030	1780	1490	2970	23150	6850	35.0	270	0	0	0	39865
1952	12.0	25.0	4.80	7220	2590	1230	0	9.9	0	0	268	85.0	11445
1953	0	0	64.0	958	209	0	0	0	0	0	1.40	0	1232
1954	0	0	0	40.0	131	1190	0	0	0	52.0	2060	2710	6183
1955	3330	2760	3090	3030	1490	862	49.0	12.0	0	0	0	0	14623
1956	0	23.0	11.0	17.0	329	4.0	2730	3160	1550	1830	1120	780	11550
1957	26.0	316	259	4980	18210	56820	97430	95390	2660	1740	6720	12160	296711
1958	5860	2530	16810	16940	34900	79060	29760	1630	6720	4910	1210	1070	201400
1959	1170	966	1060	1890	2350	1830	3250	3470	1750	24760	3260	2830	48586
1960	25460	7460	4670	5700	7190	7440	5060	3270	1870	1120	906	950	71096
1961	1680	1010	1130	1280	2120	8010	12960	8820	4490	1660	2710	2750	48620
1962	3380	2560	1670	4560	2590	1040	4130	5260	62300	24910	8530	20510	141440
1963	7070	2760	3040	4450	26890	4550	6150	24300	9690	496	584	712	90692
1964	694	689	797	715	1160	2110	4510	1630	7070	974	2500	56900	79749
1965	17930	34360	6630	7460	28000	12270	5710	8440	3680	2470	998	1130	129078
1966	3660	2930	3620	8960	16930	55760	61920	4850	1750	1270	934	1100	163684
1967	6170	7440	1330	3970	4480	7040	4020	4100	3930	2300	2980	3720	51480
1968	3860	3810	8270	45760	31500	27700	6230	3490	3560	4300	3760	4040	146280
1969	4530	2460	8210	52230	51360	40350	3980	4170	4010	3970	2270	2140	179680
1970	2930	5130	55070	40380	50990	13720	4760	5490	6680	16330	2840	2970	207290
1971	2700	982	11880	6080	3860	5370	3440	3540	3070	2810	862	22810	67404
1972	25020	1470	2470	1380	10480	4510	4300	4190	4310	4780	1380	1370	65660
1973	1210	774	485	3460	24080	24780	12490	14270	4300	12700	6050	6220	110819
1974	3930	2970	2840	3220	4580	3390	8740	9690	4570	2130	54860	75650	176570
1975	30070	48330	10010	38610	21570	44800	8500	6950	4550	5730	2880	2020	224020
MAX	30070	48330	55070	52230	70250	79060	97430	95390	62300	25870	54860	75650	296711
MIN	0	0	0	17.0	131	0	0	0	0	0	0	0	1232
MEAN	6342	7578	6118	10135	17086	16903	12338	7904	6270	5146	3863	8337	108020
NO.	28	28	28	28	28	28	28	28	28	29	29	29	28
DISTR OF MEAN	5.9%	7.0%	5.7%	9.4%	15.8%	15.6%	11.4%	7.3%	5.8%	4.8%	3.6%	7.7%	100%

TRINITY RIVER BASIN

08055500 Elm Fork Trinity River near Carrollton, Texas

LOCATION: Lat 32°57'57", long 96°56'39", Dallas County, at the bridge on Sandy Lake Road, 40 ft (12 m) upstream from Carrollton Dam, 0.3 mi (0.5 km) downstream from Denton Creek, 1.0 mi (1.6 km) upstream from the St. Louis-Southwestern Railway Co. bridge, and 2.3 mi (3.7 km) northwest of Carrollton.

DRAINAGE AREA: 2,459 mi<sup>2</sup> (6,369 km<sup>2</sup>).

PERIOD OF RECORD: January 1907 to December 1975. Prior to November 1923, published as "near Dallas".

GAGE: Water-stage recorder and concrete control. Datum of gage is 433.40 ft (132.100 m) above mean sea level, datum of 1929. Prior to November 1923, nonrecording gage at site 15.5 mi (24.9 km) downstream at different datum. Nov. 1, 1923 to Nov. 13, 1934, nonrecording gage, and Nov. 14, 1934 to July 6, 1938, water-stage recorder at present site and datum. July 7, 1938 to Apr. 14, 1939, nonrecording gage at site 9.3 mi (15.0 km) downstream at datum 22.94 ft (6.992 m) lower. Apr. 15, 1939 to Sept. 30, 1955, water-stage recorder at site 8.5 mi (13.7 km) downstream at datum 22.94 ft (6.992 m) lower.

AVERAGE DISCHARGE: 69 years, 574,863 ac-ft/yr (708.8 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1907-75): Maximum gage height, about 17 ft (5.2 m) May 25, 1908, present site and datum, from information by a local resident, estimated discharge, 145,000 ft<sup>3</sup>/s (4,110 m<sup>3</sup>/s), at site 8.5 mi (13.7 km) downstream (from information by the Corps of Engineers); maximum gage height subsequent to 1908, 14.5 ft (4.42 m) Apr. 26, 1942, present site and datum, from observations by the National Weather Service; discharge at site 8.5 mi (13.7 km) downstream, 90,700 ft<sup>3</sup>/s (2,570 m<sup>3</sup>/s); no flow at times.

Flood in 1866 reached about the same stage as the flood of May 25, 1908.

REMARKS: Records good. The flow is largely regulated by Lewisville Lake (station 08052800) since November 1954 and by Grapevine Lake (station 08054500) since July 1952.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1907	3270	3560	6820	3150	132000	135000	76700	1170	1.00	36500	39700	64000	503891
1908	8900	72100	42300	456000	621000	244000	73100	6050	7840	78900	6760	13100	1630050
1909	452	380	590	702	61.0	16400	940	0	0	0	559	12300	32384
1910	516	97.0	0	21500	2190	2210	12600	0	0	0	0	0	39113
1911	0	1.00	0	0	0	0	6190	25800	18500	332	0	12500	63323
1912	0	0	24900	82900	23900	27300	64.0	54600	187	0	1110	0	214961
1913	0	0	1.90	3230	19900	1530	15500	132	3020	9970	86200	227000	366484
1914	7840	5630	25200	107000	175000	95700	0	109000	23500	6760	13700	41500	610830
1915	22600	43200	86300	155000	169000	223000	24700	81800	18600	59700	6760	6570	897230
1916	125000	63400	17700	349000	148000	53700	3130	171	9280	22.0	610	1360	771373
1917	77.0	710	3240	46400	41000	18500	13200	6380	3230	1.00	0	0	132738
1918	0	0	0	102000	20500	16800	1140	0	20100	79500	147000	123000	510040
1919	122000	121000	30900	129000	71400	29500	121000	16100	6400	214000	161000	46600	1068900
1920	207000	27700	75500	27500	407000	87900	14100	65400	205000	92400	38700	56600	1304800
1921	121000	119000	58600	165000	14200	45600	10400	1620	161	0	0	105	535686
1922	547	800	1340	301000	269000	39100	9900	0	0	0	7220	0	628907
1923	5040	22500	14000	35700	15400	179000	2460	6.30	0	29300	51000	312000	666406
1924	16900	12500	182000	72300	37100	6620	2410	657	146	232	40.0	1320	332255
1925	345	0	0	39900	72400	698	0	572	2750	30000	5540	64.3	152269
1926	22700	1210	32100	60200	92900	82400	172000	44300	15200	17600	1770	47600	589980
1927	46600	93800	177000	173000	61600	21300	36100	1890	1770	30700	8570	6890	659220
1928	13400	15200	3550	34600	43600	52200	14900	3360	976	7260	7800	33900	230766
1929	25600	20300	18900	22200	264000	61900	3130	2630	12900	25300	4810	50800	512470
1930	4880	5660	4650	5240	167000	11100	4360	3820	2300	29500	30200	88500	357210
1931	21400	50600	119000	47400	11500	13300	8850	7130	5020	21000	6190	12100	323490
1932	342000	304000	95900	24900	45000	17900	89800	9220	18100	9900	12000	38000	1006720
1933	31700	21400	129000	19500	94700	43100	24100	28800	23100	18300	9700	5780	449180
1934	12300	12500	40200	44200	30800	5550	5730	4720	4610	4620	8190	4590	178010
1935	12180	8810	12120	11500	607600	213400	20790	22690	20170	17910	28890	120600	1096660
1936	27360	13600	7710	5710	42450	8790	7010	6200	90730	127900	65920	18180	421560
1937	81000	23640	30640	13470	11190	21240	7250	43010	29440	7660	9600	27530	305670
1938	75820	266800	290200	164400	15660	13980	8500	22700	8270	5670	3230	2860	878090
1939	2580	2760	12290	54550	9870	8990	9830	8720	6810	6260	10630	3880	137170
1940	4120	4000	5720	42410	54290	99410	107500	16770	9030	9120	71470	199100	622940
1941	54010	62930	74580	153200	89090	589200	28140	15150	13020	69530	58080	23540	1230470
1942	17170	12540	12950	989500	222800	165500	21750	20360	28830	37920	15710	19380	1564410
1943	14180	20210	103200	47250	98360	69250	13250	12050	12350	8970	5340	6310	410720
1944	8000	59570	89360	58760	200400	38720	18400	19870	18870	14010	15830	37170	578960
1945	21950	320300	522300	303000	32590	102500	118800	16640	31020	117500	23600	18130	1628330
1946	54640	175800	80260	49990	156200	331600	18160	17820	19320	15640	164900	201100	1285430
1947	42210	19780	39110	47060	41820	55230	23850	25960	21170	14810	13070	70600	414670
1948	49350	182500	122500	12530	61380	31940	37860	28150	26120	15080	8300	6870	582580
1949	21560	46660	39240	13350	160400	96380	11810	9180	13490	80650	30340	7300	530360
1950	91030	183100	29540	29950	290200	82860	77640	65960	275600	28150	13940	10390	1178380
1951	6360	9800	7290	7830	11520	89710	36630	19970	17160	13120	5510	6370	231270
1952	5220	4590	4330	33940	13700	5850	6430	7910	6500	4540	6450	5220	104680
1953	3760	2760	5490	33160	35090	3770	5620	6220	4290	5500	4000	2310	111970
1954	3390	79.0	0	4220	25500	8390	8690	8060	6520	8600	3680	409	77538
1955	3970	4960	3170	2590	5210	6240	7670	4100	3250	2300	1680	52640	52640
1956	1570	2810	4970	5570	8410	8470	9100	9720	6160	2990	250	291	60311

TRINITY RIVER BASIN

08055500 Elm Fork Trinity River near Carrollton, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1957	49.0	115	203	37270	261400	351100	300100	215400	19180	4230	194500	24560	1408107
1958	50860	21100	84600	63920	247100	257400	82560	12360	7260	3350	7000	3280	840790
1959	54.0	1880	3410	4090	4780	4760	10810	8680	5970	30630	4940	41550	121554
1960	119000	29030	16760	8610	32410	11180	11230	15260	8650	4980	5270	4530	266910
1961	8290	25740	53490	24850	9460	13260	17630	16350	10660	6390	6280	5380	197780
1962	6140	5650	4390	8130	7610	21740	33480	13210	202700	147600	30980	87720	569350
1963	15390	7370	8260	10320	72220	18190	15670	18580	11630	10200	5910	5950	199690
1964	5660	1300	3360	6420	8350	9930	15120	10320	90450	71020	118300	252700	592930
1965	69510	133700	31600	13100	96650	64310	19000	15440	12420	11900	14100	12380	494110
1966	5840	58040	17160	40350	216900	255400	170400	12220	15910	10700	6320	7150	816390
1967	7260	7120	5680	10840	15830	110400	12680	13690	6620	5850	5470	4650	206090
1968	7500	5890	95780	213200	144300	139600	17760	10700	6390	6900	6480	7790	662290
1969	9530	26430	166500	150100	185900	226700	43440	16980	10100	10140	8460	9780	864060
1970	6520	17060	230300	110700	262300	83260	18480	17160	22170	35870	5430	6340	815590
1971	5550	4600	19700	11440	8110	8860	8860	4520	3950	31630	21780	214900	343900
1972	229200	2170	6140	11470	10460	9120	11060	10990	9420	7780	4220	5460	317490
1973	4510	16140	89490	48130	196900	139300	42740	83660	24150	163500	75690	29770	913980
1974	13370	2860	4590	24060	45890	42650	11300	6400	15710	20270	319700	366800	873600
1975	57950	235100	93730	134500	78200	236000	16780	9790	7640	5790	5840	6120	887440
MAX	342000	320300	522300	989500	621000	589200	300100	215400	275600	214000	319700	366800	1630050
MIN	0	0	0	0	0	0	0	0	0	0	0	0	32384
MEAN	34575	44153	52490	80347	103604	80955	32031	20259	22647	29091	29896	44815	574863
NO.	69	69	69	69	69	69	69	69	69	69	69	69	69
DISTR													
OF MEAN	6.0%	7.7%	9.1%	14.0%	18.0%	14.1%	5.6%	3.5%	3.9%	5.1%	5.2%	7.8%	100%

TRINITY RIVER BASIN

08055700 Bachman Branch at Dallas, Texas

LOCATION: Lat 32°51'37", long 96°50'13", Dallas County, at the bridge on Midway Road in Dallas, 1,300 ft (396 m) south of the Northwest Highway bridge (Loop 12), 1.5 mi (2.4 km) upstream from Bachman Lake Dam, and 6.0 mi (9.7 km) northwest of the Dallas City Hall.

DRAINAGE AREA: 10.0 mi<sup>2</sup> (25.9 km<sup>2</sup>).

PERIOD OF RECORD: October 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. From May 1, 1970 to Feb. 28, 1974, at site 2,300 ft (700 m) upstream at the same datum.

AVERAGE DISCHARGE: 13 years, 6,833 ac-ft/yr (8.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 16,000 ft<sup>3</sup>/s (453 m<sup>3</sup>/s) Apr. 28, 1966 (elevation, 467.97 ft or 142.637 m); no flow at times most years.

Maximum stage since at least 1900, that of Apr. 28, 1966.

REMARKS: Records good. The flow is slightly regulated by several small channel dams above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1963	-	-	-	-	-	-	-	-	-	0	8.90	120	-
1964	296	214	958	478	297	60.0	26.0	253	2600	43.0	937	159	6321
1965	391	1600	258	277	2460	473	20.0	14.0	370	86.0	256	138	6343
1966	154	492	383	6680	1300	636	128	439	135	191	53.0	96.0	10687
1967	61.0	81.0	143	407	423	103	110	10.0	333	671	255	494	3091
1968	869	370	2410	661	895	563	154	852	323	255	769	226	8347
1969	453	667	1090	566	2410	62.0	0	25.0	275	645	217	660	7090
1970	306	1310	1290	1120	797	153	17.0	423	1330	470	89.0	147	7452
1971	71.0	337	116	336	457	217	866	947	140	2450	192	2720	8849
1972	208	150	155	428	119	212	292	37.0	58.0	884	532	173	3248
1973	684	534	679	701	903	1400	673	82.0	742	1380	431	315	8524
1974	476	295	220	600	577	934	197	440	1880	1080	704	361	7764
1975	635	1220	527	974	1170	406	359	59.0	28.0	11.0	74.0	90.0	5553
MAX	869	1600	2410	6680	2460	1400	866	947	2600	2450	937	2720	10687
MIN	61.0	81.0	116	277	119	60.0	0	10.0	26.0	0	8.90	90.0	3091
MEAN	384	606	686	1102	984	435	237	298	685	628	348	440	6833
NO.	12	12	12	12	12	12	12	12	12	13	13	13	12
DISTR													
CF MEAN	5.6%	8.9%	10.0%	16.1%	14.4%	6.4%	3.5%	4.4%	10.0%	9.2%	5.1%	6.4%	100%

TRINITY RIVER BASIN

08056500 Turtle Creek at Dallas, Texas

LOCATION: Lat 32°48'26", long 96°48'08", Dallas County, 68 ft (21 m) upstream from the Hall Street Dam, 210 ft (64 m) upstream from Hall Street in Dallas, and 2.0 mi (3.2 km) north of the Dallas County Courthouse.

DRAINAGE AREA: 7.98 mi<sup>2</sup> (20.67 km<sup>2</sup>).

PERIOD OF RECORD: October 1951 to December 1975.

GAGE: Water-stage recorder and concrete control. Datum of gage is 428.13 ft (130.494 m) above mean sea level, datum of 1929. Prior to Dec. 17, 1951, at site 52 ft (16 m) upstream at same datum.

AVERAGE DISCHARGE: 25 years, 5,904 ac-ft/yr (7.3 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1951-75): Maximum discharge, 12,200 ft<sup>3</sup>/s (346 m<sup>3</sup>/s) Apr. 28, 1966 (gage height, 10.54 ft or 3.213 m); no flow at times most years.

Maximum stage since at least 1903, that of April 28, 1966.

REMARKS: Records good. The flow is slightly regulated by eight small channel dams above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1951	-	-	-	-	-	-	-	-	-	246	47.0	51.0	-
1952	119	158	257	852	798	78.0	214	26.0	53.0	59.0	724	454	3792
1953	210	186	482	629	529	53.0	19.0	93.0	337	332	477	330	3677
1954	428	153	111	1090	877	224	67.0	114	206	341	169	116	3896
1955	162	246	422	390	499	495	69.0	239	312	31.0	96.0	27.0	2988
1956	106	248	122	429	742	41.0	4.60	60.0	0	86.0	227	159	2225
1957	140	84.0	688	3430	3190	275	56.0	67.0	194	516	396	274	9310
1958	282	143	794	1540	853	59.0	185	60.0	225	40.0	117	116	4414
1959	162	445	122	113	249	436	307	198	344	2330	591	845	6142
1960	682	355	207	342	194	218	497	408	136	202	92.0	835	4168
1961	751	488	714	188	218	715	150	78.0	380	335	511	470	4998
1962	168	434	328	1540	332	619	1380	317	794	1000	885	139	7936
1963	144	93.0	162	1530	261	390	253	110	85.0	27.0	235	208	3498
1964	395	279	949	586	468	59.0	47.0	241	2590	34.0	833	211	6692
1965	391	1420	428	391	2530	351	90.0	143	653	198	321	198	7114
1966	195	585	761	4970	801	591	369	516	404	195	98.0	196	9681
1967	81.0	83.0	315	551	645	229	287	56.0	582	631	186	360	4006
1968	545	328	1340	611	798	881	327	520	271	252	540	167	6580
1969	516	479	770	507	2930	129	45.0	186	328	1160	264	547	7861
1970	198	1160	914	929	584	211	56.0	587	1250	409	117	144	6559
1971	99.0	215	118	438	491	270	418	911	399	2440	259	2130	8188
1972	234	130	178	454	219	314	232	225	147	896	527	177	3733
1973	698	524	926	1040	999	2490	605	123	950	1250	491	240	10336
1974	473	292	218	637	819	1000	223	813	2100	1300	632	338	8845
1975	395	1130	532	855	1370	485	620	118	62.0	33.0	163	211	5974
MAX	751	1420	1340	4970	3190	2490	1380	911	2590	2440	885	2130	10336
MIN	81.0	83.0	111	113	194	41.0	4.60	26.0	0	27.0	47.0	27.0	2225
MEAN	316	402	494	1002	892	442	272	259	533	574	360	358	5904
NO.	24	24	24	24	24	24	24	24	24	25	25	25	24
DISTR OF MEAN	5.3%	6.8%	8.4%	17.0%	15.1%	7.5%	4.6%	4.4%	9.0%	9.7%	6.1%	6.1%	100%

TRINITY RIVER BASIN

08057000 Trinity River at Dallas, Texas

LOCATION: Lat 32°46'31", long 96°49'18", Dallas County, at the Commerce Street viaduct in Dallas, and 5.2 mi (8.4 km) downstream from the confluence of the West and Elm Forks.

DRAINAGE AREA: 6,106 mi<sup>2</sup> (15,815 km<sup>2</sup>).

PERIOD OF RECORD: July 1903 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 368.02 ft (112.172 m) above mean sea level, datum of 1929. Oct. 1, 1898 to Dec. 31, 1899, nonrecording gage at site 2 mi (3 km) upstream at different datum. July 1, 1903 to July 20, 1930, nonrecording gage at present site and datum. July 21, 1930 to Sept. 30, 1932, nonrecording gage at site 6 mi (10 km) downstream at datum 3.08 ft (0.939 m) lower.

AVERAGE DISCHARGE: 73 years, 1,094,923 ac-ft/yr (1,350.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1903-75): Maximum discharge, 184,000 ft<sup>3</sup>/s (5,210 m<sup>3</sup>/s) May 25, 1908 (gage height, 52.6 ft or 16.03 m); minimum observed for periods 1903-06 and 1920-75, 1.2 ft<sup>3</sup>/s (0.034 m<sup>3</sup>/s).

Maximum stage since at least 1840, that of May 25, 1908.

REMARKS: Records good. The flow is largely regulated by 12 major upstream reservoirs having a combined capacity of 2,323,000 ac-ft (2,864.2 hm<sup>3</sup>), of which 846,200 ac-ft (1,043.4 hm<sup>3</sup>) is for flood control.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1903	-	-	-	-	-	-	112000	4400	950	77800	6340	811	-
1904	3430	3280	76900	48300	59900	95500	5890	10900	9140	8350	2500	1190	325280
1905	5020	8240	51100	195000	398000	51900	290000	16700	8410	28800	70600	105000	1228770
1906	31500	96900	46900	65800	392000	190000	117000	133000	105000	12500	10900	16300	1217800
1907	15100	11200	22300	14100	169000	197000	115000	5050	1260	75600	62000	94000	781610
1908	15700	90200	54200	811000	1270000	319000	136000	24300	21400	83900	16800	29500	2872000
1909	10400	6840	7280	10700	5840	57600	31700	33100	2440	3460	5150	48900	223430
1910	5010	5040	2070	51200	49000	31800	46800	2310	3000	6740	4080	2200	209250
1911	1290	4740	2760	2980	1170	627	27600	32800	78700	2210	964	35500	191341
1912	1910	1000	27600	114000	26800	56400	2570	90100	1810	1830	2850	2000	328870
1913	2180	1830	2120	17700	54200	7990	19200	1810	19200	55900	124000	532000	838130
1914	18300	11900	19900	246000	369000	178000	4970	163000	78600	4500	4220	126000	1224390
1915	56600	64600	130000	334000	325000	472000	45000	135000	46200	97200	12400	11500	1729500
1916	216000	105000	33100	674000	244000	84600	8640	4050	15600	16900	4120	21600	1427610
1917	7150	3580	9380	73400	65100	26400	24400	16500	12800	1120	1130	1330	242290
1918	2160	1340	1730	171000	53400	73100	23500	2460	34900	111000	375000	212000	1061590
1919	230000	186000	52800	235000	167000	76900	248000	40100	23700	418000	307000	104000	2108500
1920	307000	72300	153000	67900	1000000	188000	36700	83000	288000	138000	75000	101000	2509900
1921	180000	172000	114000	211000	37600	97600	40000	5230	1750	2560	2450	1750	865940
1922	2620	3010	3400	649000	584000	92200	16700	2040	1420	1540	9620	1660	1367210
1923	10800	36500	21400	130000	111000	330000	7370	2070	2310	66000	138000	369000	1224450
1924	25900	26600	307000	119000	102000	26800	3380	2650	1580	1150	1580	2000	619640
1925	1970	1830	1650	56200	200000	2980	2030	964	2500	42600	12600	1640	327164
1926	57500	4570	76700	158000	134000	123000	204000	112000	84900	37400	4050	80600	1076720
1927	64800	121000	283000	344000	113000	37300	53500	4510	7480	93500	10400	76900	1209390
1928	19400	39300	11100	110000	75600	150000	70700	24500	2210	6330	19100	188000	716240
1929	74400	79400	70700	82100	436000	161000	4330	3790	17700	29000	5580	55700	1019700
1930	6700	8890	8360	15600	523000	66000	3520	3350	3650	122000	28600	163000	952670
1931	31800	86100	190000	106000	29800	26300	12400	10300	6130	57900	25700	39700	622130
1932	646000	521000	168000	47100	133000	54000	197000	11900	114000	12500	14500	89800	2008800
1933	100000	45000	254000	78000	193000	121000	35000	59500	59500	18400	15100	14900	993400
1934	26600	19400	77500	82100	41300	5430	5990	4880	6600	4190	10590	5220	289800
1935	21340	16520	17510	15720	807300	364400	76280	48530	29820	27120	33950	140500	1598990
1936	45190	16200	8660	5920	97680	41190	11180	3480	141900	226100	105500	28360	731360
1937	106600	35220	79100	25470	13090	46900	6150	43520	38470	20690	24010	81610	520830
1938	236100	466300	332300	354500	43090	22140	17270	28980	8790	11470	6010	3260	1530210
1939	16500	6970	19450	65910	22400	19160	8700	8910	5680	5390	9720	3860	192650
1940	3840	4430	4890	55090	94820	200400	214900	23000	8340	8490	126800	373900	1118900
1941	113100	231000	144400	266300	253700	1035000	258500	78040	45870	174000	141800	57910	2799620
1942	63240	32070	38690	1610000	669000	383200	96710	40720	81230	143200	72760	36200	3267220
1943	20660	26830	155700	106900	168900	142500	13600	10820	23900	10950	5720	8180	694660
1944	12460	85370	164800	80200	401700	66340	23780	22120	33320	22670	23350	62710	998820
1945	56850	512100	916900	600800	101500	146700	210700	33300	40560	182700	51340	36050	2883500
1946	115500	284900	136900	83100	298600	406800	20220	44390	29640	18870	313000	308800	2060720
1947	86290	39090	63710	105200	64390	131700	26120	71820	47600	30110	18970	136800	821800
1948	92710	284800	211800	21340	61550	57490	59040	28080	25700	14660	8010	8760	893940
1949	67340	151000	97940	37730	532800	204700	18010	10200	21550	130600	46570	14320	1332760
1950	122600	354100	55640	107800	493800	103700	137200	148400	354200	68380	54630	20300	2020750
1951	15250	16620	17990	10830	22330	160700	37560	17400	17540	14430	7960	8050	346660
1952	7110	8840	7940	50680	43380	8380	7450	5430	5900	5080	17400	11720	179310

TRINITY RIVER BASIN

08057000 Trinity River at Dallas, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1953	9300	6090	11580	51580	103300	4050	9640	5170	5550	12790	7760	6440	233250
1954	9660	5040	4890	12310	39430	8830	3810	5320	6140	10170	4950	4560	115110
1955	5200	6050	8900	5450	25360	19020	5060	5290	5820	4770	3460	4300	98680
1956	4910	6700	4200	6150	32220	7370	3190	3090	3120	5050	7680	7120	90800
1957	4820	6850	10530	360700	928400	838200	345000	223400	24700	18320	271600	59340	3091860
1958	80080	49670	169600	237500	614800	275000	94850	7800	26660	25680	11830	8350	1601820
1959	8250	16660	10300	15650	18800	41050	16780	8750	8080	304700	22900	62610	534530
1960	241400	68240	33850	23370	45790	11820	22160	23830	10440	13850	8180	20900	523830
1961	63090	66540	96920	35350	18840	83490	29790	14510	16460	16150	15480	15660	472280
1962	13260	15570	11950	52310	14480	25390	75330	63380	422900	212900	47980	142200	1097650
1963	22230	12190	12620	64130	112600	22480	16630	13730	15310	9370	8190	9150	318830
1964	13770	10400	31680	31010	23960	11850	11790	16860	185400	87820	193800	272000	890340
1965	103100	294200	71200	31960	333000	89810	21400	18500	34350	21390	24010	20130	1063050
1966	14340	83410	33020	236100	606000	363000	182000	30420	33500	40200	13240	14510	1649740
1967	13000	12710	15930	41720	35830	126400	24340	13130	25620	33590	18170	24120	384560
1968	63830	36120	345600	310300	302400	192200	37260	24650	20620	21580	26510	21180	1402250
1969	24990	48070	248400	259300	665100	238500	43920	22040	29760	45280	22130	40020	1687510
1970	45370	97920	419900	212900	348200	101300	18970	24700	72970	65130	10990	14130	1432480
1971	14570	15010	26560	31100	25670	13940	24670	29530	14210	177000	45280	475800	893340
1972	262200	18180	14630	33550	32570	16360	13860	14200	15240	48340	37490	15350	522170
1973	53300	70190	158100	179600	263700	349100	125000	101700	71910	277300	120300	49750	1819950
1974	49350	29540	20640	46420	110700	85120	16500	37400	86280	72900	578800	369800	1503650
1975	90940	425200	144900	269200	199100	388400	110000	42240	16320	10830	11190	17190	1725510
MAX	646000	521000	916900	1610000	1270000	1035000	345000	223400	422900	418000	578800	532000	3267220
MIN	1290	1000	1730	2980	1170	627	2030	964	950	1120	964	811	90800
MEAN	63679	80715	92513	159324	229069	142424	60910	33740	43482	58752	54279	76036	1094923
NO.	72	72	72	72	72	72	72	73	73	73	73	73	72
DISTR OF MEAN	5.8%	7.4%	8.4%	14.6%	20.9%	13.0%	5.6%	3.1%	4.0%	5.4%	5.0%	6.9%	100%

TRINITY RIVER BASIN

08057100 White Rock Creek at Keller Springs Road at Dallas, Texas

LOCATION: Lat 32°58'13", long 96°48'19", Dallas County, at the bridge on Keller Springs Road, 0.5 mi (0.8 km) upstream from the St. Louis-Southwestern Railway Co. bridge, 0.9 mi (1.4 km) upstream from Spanky Branch, and 13 mi (21 km) north of the Dallas County Courthouse.

DRAINAGE AREA: 29.4 mi<sup>2</sup> (76.1 km<sup>2</sup>).

PERIOD OF RECORD: August 1961 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Oct. 25, 1961, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 15 years, 13,644 ac-ft/yr (16.8 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1961-75): Maximum discharge, 37,900 ft<sup>3</sup>/s (1,070 m<sup>3</sup>/s) Sept. 21, 1964 (elevation, 574.51 ft or 175.111 m); no flow for many days most years.

Maximum elevation since at least 1886, that of Sept. 21, 1964.

REMARKS: Records good. The flow is slightly regulated by two small floodwater-retarding structures above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1961	-	-	-	-	-	-	-	9.1	72.0	193	387	379	-
1962	414	308	421	2020	371	4300	4500	659	1700	2120	1500	1000	19313
1963	413	222	362	446	518	55.0	12.0	0	0	0	0	0	2028
1964	0	0	42.0	158	1210	67.0	0	0	19420	253	4180	868	26198
1965	1040	4270	741	551	4980	909	37.0	.40	184	28.0	185	81.0	13006
1966	90.0	517	103	13050	1930	1460	230	988	398	345	165	169	19445
1967	76.0	87.0	378	1230	1330	256	36.0	0	23.0	175	167	378	4136
1968	1330	949	6160	1900	2400	662	167	.80	36.0	33.0	182	274	14094
1969	970	873	2350	1380	7960	375	6.70	0	0	257	104	542	14818
1970	432	2130	2620	2990	1800	1390	37.0	0	442	296	95.0	79.0	12311
1971	68.0	93.0	91.0	19.0	45.0	1.00	.20	1440	112	5720	648	10370	18607
1972	783	378	151	138	77.0	34.0	0	0	0	264	625	323	2773
1973	710	1030	1700	3440	2350	4270	463	156	3290	4310	981	637	23337
1974	547	459	221	2600	288	320	2.10	53.0	609	2280	3630	1130	12139
1975	2090	5260	1430	2100	829	904	88.0	28.0	9.5	1.30	17.0	36.0	12793
MAX	2090	5260	6160	13050	7960	4300	4500	1440	19420	5720	4180	10370	26198
MIN	0	0	42.0	19.0	45.0	1.00	0	0	0	0	0	0	2028
MEAN	640	1184	1198	2287	1863	1072	398	222	1753	1085	858	1084	13644
NO.	14	14	14	14	14	14	14	15	15	15	15	15	14
DISTR													
OF MEAN	4.7%	8.7%	8.8%	16.8%	13.7%	7.9%	2.9%	1.6%	12.8%	8.0%	6.3%	7.9%	100%

TRINITY RIVER BASIN

08057200 White Rock Creek at Greenville Avenue at Dallas, Texas

LOCATION: Lat 32°53'21", long 96°45'23", Dallas County, 20 ft (6 m) downstream from the bridge on Greenville Avenue in Dallas, 1.1 mi (1.8 km) downstream from the Texas and New Orleans Railroad Co. bridge, 1.2 mi (1.9 km) downstream from Cottonwood Creek, 2.9 mi (4.7 km) upstream from White Rock Lake, and 8.2 mi (13.2 km) northeast of the Dallas County Courthouse.

DRAINAGE AREA: 66.4 mi<sup>2</sup> (172.0 km<sup>2</sup>).

PERIOD OF RECORD: August 1961 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Oct. 24, 1961, nonrecording gage at same site and datum.

AVERAGE DISCHARGE: 15 years, 42,904 ac-ft/yr (52.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1961-75): Maximum discharge, 38,100 ft<sup>3</sup>/s (1,080 m<sup>3</sup>/s) Sept. 21, 1964 (elevation, 490.43 ft or 149.483 m); minimum daily, 0.01 ft<sup>3</sup>/s (0.0003 m<sup>3</sup>/s) July 8, 1970, June 27, and July 14, 1971.

Maximum elevation since at least 1886, that of September 21, 1964.

REMARKS: Records good. There is some regulation of the low flow by on- and off-channel dams from which many small diversions are made.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1961	-	-	-	-	-	-	-	79.0	686	872	1740	2250	-
1962	1250	1470	1370	4890	1330	10910	15490	2410	5790	10520	3770	2530	61730
1963	1260	730	869	2360	2050	873	1300	78.0	55.0	51.0	176	268	10070
1964	403	530	1640	1510	2610	497	48.0	464	37110	2230	9920	1630	58592
1965	1650	14090	1900	1350	18000	2880	446	168	1330	530	988	616	43948
1966	757	1600	1510	41070	10800	2800	1240	2600	1860	1530	434	646	66847
1967	408	344	1240	3260	6110	1320	552	126	2290	2250	1250	2320	21470
1968	4420	2640	16500	4940	5650	2740	986	2120	907	623	1500	980	44006
1969	2260	3040	6030	3720	25660	882	124	289	552	3330	1250	2460	49597
1970	1630	6680	8190	8220	5950	3050	140	595	3280	1220	552	787	40294
1971	407	1170	735	986	1010	776	2090	4330	987	15420	1170	24330	53411
1972	1670	658	740	1220	974	1180	217	138	198	2380	2670	1170	13215
1973	3020	3370	6160	7610	6530	12100	3100	655	6150	10060	3180	1900	63835
1974	2280	1820	1070	4830	1640	3700	479	1040	7060	8360	8070	3390	43739
1975	4880	11540	3290	7080	5680	3360	1500	553	220	102	487	709	39401
MAX	4880	14090	16500	41070	25660	12100	15490	4330	37110	15420	9920	24330	66847
MIN	403	344	735	986	974	497	48.0	78.0	55.0	51.0	176	268	10070
MEAN	1878	3549	3660	6646	6714	3362	1979	1043	4565	3965	2477	3066	42904
NO.	14	14	14	14	14	14	14	15	15	15	15	15	14
DISTR OF MEAN	4.4%	8.3%	8.5%	15.5%	15.6%	7.8%	4.6%	2.4%	10.6%	9.2%	5.8%	7.1%	100%

TRINITY RIVER BASIN

08057300 White Rock Creek at White Rock Lake at Dallas, Texas

LOCATION: Lat 32°48'31", long 96°43'32", Dallas County, 500 ft (150 m) upstream from the right end of White Rock Lake spillway, 1,500 ft (457 m) upstream from the bridge on Garland Road (State Highway 78) in Dallas, and 10.3 mi (16.6 km) upstream from the mouth.

DRAINAGE AREA: 100 mi<sup>2</sup> (259 km<sup>2</sup>).

PERIOD OF RECORD: October 1962 to December 1975.

GAGE: Water-stage recorder and flat-crested concrete dam. Datum of gage is at mean sea level.

AVERAGE DISCHARGE: 14 years, 59,257 ac-ft/yr (73.1 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1962-75): Maximum discharge, 28,300 ft<sup>3</sup>/s (801 m<sup>3</sup>/s) Sept. 21, 1964 (elevation, 465.60 ft or 141.915 m); no flow at times each year.

Maximum elevation since 1910, that of Sept. 21, 1964.

REMARKS: Records poor below 50 ft<sup>3</sup>/s (1.42 m<sup>3</sup>/s) and fair above. The discharge is the outflow of White Rock Lake (capacity, 10,700 ac-ft or 13.2 hm<sup>3</sup> at the spillway crest).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1962	-	-	-	-	-	-	-	-	-	15560	3780	2060	-
1963	1070	185	390	5860	1980	60.0	0	0	0	0	0	0	9545
1964	0	0	1160	2140	3700	615	0	0	34290	1300	10580	1960	55745
1965	3300	15820	2240	2400	22210	4060	370	14.0	699	265	1290	370	53038
1966	370	3040	2300	57120	12040	4410	1000	4000	2200	1760	61.0	73.0	88374
1967	96.0	6.00	883	3210	6220	2270	742	0	3450	3660	2190	2970	25697
1968	7170	4310	19760	7050	9880	5540	3360	2460	627	553	1460	1170	63340
1969	3050	4680	9170	6070	35810	831	12.0	0	0	3930	1620	3780	69153
1970	3490	8930	12910	11280	11950	7310	253	546	4410	2660	1320	167	65226
1971	0	1460	1120	0	504	650	2490	6320	1220	25870	1290	39310	80234
1972	1620	281	261	1560	989	814	0	0	0	3230	3420	428	12603
1973	3440	5060	9020	12730	9860	25280	7050	156	6990	15000	4710	1870	101166
1974	3310	2870	1080	5400	3590	6720	.60	2530	19010	13330	12840	5640	76321
1975	5540	18020	4480	10040	14080	6560	2380	295	117	0	0	735	62247
MAX	7170	18020	19760	57120	35810	25280	7050	6320	34290	25870	12840	39310	101166
MIN	0	0	261	0	504	60.0	0	0	0	0	0	0	9545
MEAN	2497	4974	4983	9605	10216	5009	1358	1255	5616	6223	3197	4324	59257
NO.	13	13	13	13	13	13	13	13	13	14	14	14	13
DISTR													
OF MEAN	4.2%	8.4%	8.4%	16.2%	17.2%	8.5%	2.3%	2.1%	9.5%	10.5%	5.4%	7.3%	100%

TRINITY RIVER BASIN

08057400 White Rock Creek at Scyene Road at Dallas, Texas

LOCATION: Lat 32°45'57", long 96°43'49", Dallas County, 30 ft (9 m) downstream from the Texas and New Orleans Railroad Co. bridge, 125 ft (38 m) downstream from Scyene Road (State Highway 352) in Dallas, 4.5 mi (7.2 km) east of the Dallas County Courthouse, and 5.8 mi (9.3 km) upstream from the mouth.

DRAINAGE AREA: 122 mi<sup>2</sup> (316 km<sup>2</sup>).

PERIOD OF RECORD: October 1962 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Dec. 7, 1962, nonrecording gage 30 ft (9 m) upstream at same datum.

AVERAGE DISCHARGE: 14 years, 81,024 ac-ft/yr (99.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1962-75): Maximum discharge, 30,200 ft<sup>3</sup>/s (855 m<sup>3</sup>/s) Sept. 21, 1964 (elevation, 404.30 ft or 123.231 m); minimum daily, 0.4 ft<sup>3</sup>/s (0.011 m<sup>3</sup>/s) Aug. 2, 3, 1964.

Maximum elevation since at least 1886, 409.2 ft (124.72 m) May 26, 1908 (affected by backwater from the Trinity River); maximum discharge since at least 1886, that of Sept. 21, 1964.

REMARKS: Records good. The flow is partly regulated by White Rock Lake (capacity, 10,700 ac-ft or 13.2 hm<sup>3</sup> at normal level) located 4.5 mi (7.2 km) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1962	-	-	-	-	-	-	-	-	-	18050	4360	5400	-
1963	2420	844	1260	10340	4390	799	807	170	103	74.0	230	304	21741
1964	563	301	3780	3790	5050	462	104	217	38480	1720	13220	3200	70887
1965	5030	19890	3480	2440	28670	3330	306	122	1040	491	2000	852	67651
1966	800	4420	2710	79960	27540	4450	1230	3140	2870	2130	271	381	129902
1967	381	344	1600	5100	6670	2610	1550	146	2810	4450	2370	4830	32861
1968	8260	5700	27050	8960	12140	8100	2840	2260	1160	650	2620	2440	82180
1969	4080	5920	10690	6300	39510	1360	241	334	325	5290	1880	4860	80790
1970	3980	11700	14660	11630	13510	6980	353	1400	7700	3870	1780	689	78252
1971	251	1890	1980	1000	1670	918	3110	9660	2950	38310	3450	43330	108519
1972	3830	1000	1130	2830	1710	1500	287	847	184	4240	5550	1470	24578
1973	5900	7920	14580	18050	13620	36440	9510	597	12180	28830	7780	3870	159277
1974	6560	3230	1550	9300	5890	10930	228	3790	24170	14600	16870	6700	103818
1975	6560	23190	6240	13820	19840	7450	4400	605	444	197	314	895	83955
MAX	8260	23190	27050	79960	39510	36440	9510	9660	38480	38310	16870	43330	159277
MIN	251	301	1130	1000	1670	462	104	122	103	74.0	230	304	21741
MEAN	3740	6642	6978	13348	13862	6564	1920	1791	7263	8779	4478	5659	81024
NO.	13	13	13	13	13	13	13	13	13	14	14	14	13
DISTR													
OF MEAN	4.6%	8.2%	8.6%	16.5%	17.1%	8.1%	2.4%	2.2%	9.0%	10.8%	5.5%	7.0%	100%

**TRINITY RIVER BASIN**  
**08057410 Trinity River below Dallas, Texas**

LOCATION: Lat 32°42'27", long 96°44'08", Dallas County, at the bridge on South Loop Highway 12, 1.0 mi (1.6 km) downstream from White Rock Creek, 1.5 mi (2.4 km) upstream from Fivemile Creek, and 6.4 mi (10.3 km) southeast of the Dallas County Courthouse.

DRAINAGE AREA: 6,278 mi<sup>2</sup> (16,260 km<sup>2</sup>).

PERIOD OF RECORD: November 1956 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 365.89 ft (111.523 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 20 years, 1,342,960 ac-ft/yr (1,655.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1956-75): Maximum discharge, 65,700 ft<sup>3</sup>/s (1,860 m<sup>3</sup>/s) May 27, 1957 (gage height, 32.02 ft or 9.760 m); minimum daily, 131 ft<sup>3</sup>/s (3.71 m<sup>3</sup>/s) Dec. 9, 1956.

Flood of May 25, 1908 reached a stage of 41.1 ft (12.53 m), from information by the Corps of Engineers, and is the highest since that time.

REMARKS: Records good. The flow is largely regulated by reservoirs above Dallas and White Rock Lake (capacity, 12,500 ac-ft or 15.4 hm<sup>3</sup>). The Cities of Fort Worth and Dallas divert water for municipal use and return sewage effluent above the station. The low flows are largely maintained by sewage effluent.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1956	-	-	-	-	-	-	-	-	-	-	13720	14010	-
1957	10960	14740	21020	381400	954100	806900	359000	228500	36900	29200	272100	69120	3183940
1958	90410	53420	177500	242900	650900	274800	107800	21860	35060	27860	17370	17910	1717790
1959	17550	27830	19450	22200	27120	45120	25500	14030	15420	310700	30760	69830	625510
1960	259200	76900	44050	32470	52840	18830	29540	31200	17470	23940	17940	42910	647290
1961	82690	70230	109600	46370	26540	88270	36100	22170	25360	24730	25090	31590	588740
1962	22150	27940	21450	74580	29000	40850	103800	76140	447500	237500	64380	155100	1300390
1963	31700	19230	21000	71220	129000	31110	26970	22940	20680	16450	15150	16170	421620
1964	21560	17830	44310	43210	37580	22020	20270	24960	211100	97340	215000	281700	1036880
1965	114100	340700	87940	48140	390400	99320	30860	28680	42360	30230	34650	31940	1279320
1966	26750	98750	45430	282200	662300	379200	191200	43350	46180	53120	22040	24430	1874950
1967	20860	20980	26100	58960	46770	156400	38930	23870	44540	45650	29710	38410	551180
1968	79000	51140	365100	325600	304000	197600	48060	37140	32570	34990	41860	34350	1551410
1969	38340	68500	265700	275700	653600	253600	55260	33800	45110	64760	39160	57040	1850570
1970	63070	110900	432000	217400	333700	120500	28700	36340	85180	78030	20070	21270	1547160
1971	24320	27380	38330	41330	37500	30310	42410	56320	32450	230200	56790	499200	1116540
1972	276600	30950	30000	50360	50550	30530	25460	28070	28910	50320	48400	28990	679140
1973	60780	73300	132700	198800	274100	375300	147300	111300	94090	290500	144000	63960	1966130
1974	68380	42170	33590	62510	123600	102800	29030	51520	112100	80070	600800	382100	1688670
1975	104500	483900	166400	312300	242000	444400	127000	58200	27510	22810	23700	30730	2043450
MAX	276600	483900	432000	381400	954100	806900	359000	228500	447500	310700	600800	499200	3183940
MIN	10960	14740	19450	22200	26540	18830	20270	14030	15420	16450	13720	14010	421620
MEAN	74364	87199	109562	146718	264505	185151	77536	50021	73710	92021	86635	95538	1342960
NO.	19	19	19	19	19	19	19	19	19	19	20	20	19
DISTR													
OF MEAN	5.5%	6.5%	8.2%	10.9%	19.7%	13.8%	5.8%	3.7%	5.5%	6.9%	6.5%	7.1%	100%

TRINITY RIVER BASIN

08057445 Prairie Creek at U.S. Highway 175 at Dallas, Texas

LOCATION: Lat 32°42'17", long 96°40'11", Dallas County, at the bridge on U.S. Highway 175, 3.4 mi (5.5 km) upstream from the mouth, and 9.0 mi (14.5 km) southeast of the Dallas City Hall.

DRAINAGE AREA: 9.03 mi<sup>2</sup> (23.39 km<sup>2</sup>).

PERIOD OF RECORD: October to December 1975.

GAGE: Water-stage recorder. Datum of gage is 390.00 ft (118.872 m) above mean sea level, datum of 1929.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1975	-	-	-	-	-	-	-	-	-	0	74.0	122	-
MAX	-	-	-	-	-	-	-	-	-	0	74.0	122	-
MIN	-	-	-	-	-	-	-	-	-	0	74.0	122	-
MEAN	-	-	-	-	-	-	-	-	-	0	74.0	122	196
NO.	0	0	0	0	0	0	0	0	0	1	1	1	0
DISTR OF MEAN	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	37.8%	62.2%	100%

TRINITY RIVER BASIN

08057450 Tenmile Creek at State Highway 342 at Lancaster, Texas

LOCATION: Lat 32°34'42", long 96°45'21", Dallas County, at the bridge on State Highway 342, 0.1 mi (0.2 km) downstream from the Missouri, Kansas, and Texas Railroad Co. bridge, 0.5 mi (0.8 km) downstream from Deep Branch, 1.0 mi (1.6 km) south of Lancaster, and 14.1 mi (22.7 km) upstream from the mouth.

DRAINAGE AREA: 52.8 mi<sup>2</sup> (136.8 km<sup>2</sup>).

PERIOD OF RECORD: October 1969 to December 1975.

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

AVERAGE DISCHARGE: 7 years, 28,245 ac-ft/yr (34.8 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1969-75): Maximum discharge 12,900 ft<sup>3</sup>/s (365 m<sup>3</sup>/s) Sept. 27, 1973 (elevation, 466.00 ft or 142.037 m, from floodmarks); no flow at times.

Maximum elevation since 1942, 468.4 ft (142.77 m) June 1, 1964 (discharge not determined), from information by the Corps of Engineers.

REMARKS: Records good. The flow is slightly regulated by numerous small stock ponds above the station. The low flows are partly sustained by effluent from the municipalities of Duncanville and De Soto.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1969	-	-	-	-	-	-	-	-	-	855	328	853	-
1970	1270	4390	6560	5680	2040	749	195	179	847	1740	606	355	24611
1971	240	340	307	702	627	60.0	120	216	61.0	10870	1500	12810	27853
1972	3380	1060	655	677	549	174	16.0	1.00	37.0	650	608	440	8247
1973	2310	2650	5710	7450	2530	11660	3770	813	11700	9620	3440	2120	63773
1974	5730	2100	1350	932	1410	1050	60.0	509	1340	4460	3820	1990	24751
1975	1990	8150	2250	4070	3880	1980	2880	557	180	82.0	149	249	26417
MAX	5730	8150	6560	7450	3880	11660	3770	813	11700	10870	3820	12810	63773
MIN	240	340	307	677	549	60.0	16.0	1.00	37.0	82.0	149	249	8247
MEAN	2487	3115	2805	3252	1839	2612	1174	379	2361	4040	1493	2688	28245
NO.	6	6	6	6	6	6	6	6	6	7	7	7	6
DISTR OF MEAN	8.8%	11.0%	9.9%	11.5%	6.5%	9.2%	4.2%	1.3%	8.4%	14.3%	5.3%	9.5%	100%

TRINITY RIVER BASIN

08057500 Honey Creek Subwatershed No. 11 near McKinney, Texas

LOCATION: Lat 33°18'12", long 96°41'22", Collin County, near the center of the dam on an unnamed tributary of Honey Creek, 1.5 mi (2.4 km) west of the bridge on Farm Road 543, and 8.4 mi (13.5 km) northwest of McKinney.

DRAINAGE AREA: 2.14 mi<sup>2</sup> (5.54 km<sup>2</sup>).

PERIOD OF RECORD: September 1952 to September 1973.

GAGE: Water-stage recorder and concrete drop inlet. Datum of gage is 629.00 ft (191.72 m) above mean sea level.

AVERAGE INFLOW: 21 years, 780 ac-ft/yr (1.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1952-73): Maximum inflow, 3,360 ft<sup>3</sup>/s (95.2 m<sup>3</sup>/s), average for 5-minute interval, Apr. 30, 1966, computed from the outflow and the change in pool contents and adjusted for rainfall on the pool surface during times of peak inflow; no inflow for many days each year.

REMARKS: Records good. The pool is formed by a rolled earthfill dam, 1,303 ft (397 m) long, with an emergency spillway located at the right end of the dam. The dam was completed on Feb. 9, 1952 but no appreciable storage began until April 1952. The first outflow occurred on Apr. 21, 1957. The outlet structure consists of an uncontrolled 2.5-foot (0.8-m) square concrete drop-inlet structure that is connected to a 12-inch (305-millimeter) concrete outlet pipe. The emergency spillway crest is at gage height 26.8 ft (8.2 m); the crest of the drop-inlet structure is at gage height 14.84 ft (4.52 m); and the invert at the bottom of the outlet pipe is at gage height 4.8 ft (1.5 m). There is also an 8-inch (203-millimeter) controlled outlet pipe connected to the drop inlet at gage height 4.8 ft (1.5 m). The pool capacity is 1,170 ac-ft (1.44 hm<sup>3</sup>) at the crest of the emergency spillway, 428 ac-ft (0.528 hm<sup>3</sup>) at the crest of the drop inlet, and 123 ac-ft (0.152 hm<sup>3</sup>) at the controlled outlet pipe.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	-	-	-	-	-	0	0	0	0	-
1953	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	0	0	0	133	1336	449	352	0	0	0	117	83.0	2470
1958	131	47.2	137	120	454	256	0	0	0	0	0	0	1145
1959	0	0	0	0	0	0	0	0	0	1.60	.90	12.4	14.9
1960	66.6	85.8	37.5	10.3	15.1	2.90	33.6	60.8	6.00	5.80	8.10	68.5	401
1961	145	139	115	92.3	220	14.3	5.10	0	4.30	17.7	9.6	104	866
1962	54.0	52.7	72.6	211	26.8	67.5	5.60	.40	41.5	7.00	46.2	92.6	678
1963	30.8	22.3	15.6	61.9	239	19.0	2.50	1.50	7.00	0	.20	.10	400
1964	.10	0	5.10	83.7	61.8	10.8	.10	9.00	392	30.3	526	70.5	1189
1965	102	295	57.3	26.6	150	37.9	.20	2.50	.70	.80	3.20	13.0	689
1966	2.10	20.8	4.80	992	239	12.7	.20	2.20	9.1	1.50	7.20	5.80	1297
1967	5.20	3.60	11.8	42.2	177	14.4	4.40	30.3	85.3	8.80	46.0	105	534
1968	198	116	535	285	267	40.3	8.80	7.20	30.8	8.30	34.5	80.8	1612
1969	109	194	252	139	680	71.4	1.70	5.00	2.80	5.30	3.30	21.9	1485
1970	22.4	233	288	375	279	110	.10	1.60	.30	1.40	.10	4.80	1316
1971	3.90	4.80	.80	4.20	2.50	2.90	1.80	5.60	.40	105	39.0	684	855
1972	77.1	38.1	40.4	22.8	16.7	.20	8.50	1.70	3.20	13.0	22.9	17.8	262
1973	54.0	96.3	210	295	108	269	27.8	2.00	147	-	-	-	-
MAX	198	295	535	992	1336	449	352	60.8	392	105	526	684	2470
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	47.7	64.2	84.9	138	203	65.6	21.5	6.18	33.2	9.8	41.2	65.0	780
NO.	21	21	21	21	21	21	21	21	22	21	21	21	20
DISTR OF MEAN	6.1%	8.2%	10.9%	17.7%	26.1%	8.4%	2.8%	.8%	4.3%	1.3%	5.3%	8.3%	100%

TRINITY RIVER BASIN

08058000 Honey Creek Subwatershed No. 12 near McKinney, Texas

LOCATION: Lat 33°18'20", long 96°40'12", Collin County, near the center of the dam on an unnamed tributary of Honey Creek, 0.5 mi (0.8 km) west of the bridge on Farm Road 543, and 7.8 mi (12.6 km) northwest of McKinney.

DRAINAGE AREA: 1.26 mi<sup>2</sup> (3.26 km<sup>2</sup>).

PERIOD OF RECORD: September 1952 to December 1975.

GAGE: Water-stage recorder and concrete drop inlet. Datum of gage is 623.00 ft (189.890 m) above mean sea level.

AVERAGE INFLOW: 24 years, 498 ac-ft/yr (0.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1952-75): Maximum inflow, 1,490 ft<sup>3</sup>/s (42.2 m<sup>3</sup>/s), average for 15-minute interval, May 21, 1957, computed from the change in the pool contents and adjusted for rainfall on the pool surface during the time of peak inflow; no inflow for many days each year.

REMARKS: Records fair. The pool is formed by a rolled earthfill dam, 1,253 ft (382 m) long, with a spillway located at the right end of the dam. The dam was completed on Jan. 11, 1952 but no appreciable storage began until April 1952. The first outflow occurred on May 12, 1954. The outlet structure consists of an uncontrolled 30-inch (762-millimeter) square concrete drop-inlet structure that is connected to a 12-inch (305-millimeter) concrete outlet pipe. The spillway crest is at gage height 27.0 ft (8.23 m); the crest of the drop-inlet structure is at gage height 14.99 ft (4.569 m); and the invert at the bottom of the outlet pipe is at gage height 5.0 ft (1.52 m). There is also an 8-inch (203-millimeter) controlled outlet pipe connected to the drop inlet at gage height 5.0 ft (1.52 m). The pool capacity is 477 ac-ft (0.588 hm<sup>3</sup>) at the spillway crest, 104 ac-ft (0.128 hm<sup>3</sup>) at the crest of the drop inlet, and zero acre-feet at the controlled outlet pipe.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	-	-	-	-	-	0	0	0	0	-
1953	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	0	0	0	0	27.0	37.5	0	0	0	7.40	0	0	71.9
1955	12.9	60.5	48.0	39.3	22.8	0	0	0	0	0	0	0	183
1956	0	15.6	0	0	25.8	0	0	0	0	0	0	0	41.4
1957	0	0	0	226	1050	314	0	0	0	0	108	47.3	1745
1958	64.6	30.0	79.3	100	360	20	0	0	0	0	0	0	634
1959	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	39.4	38.0	12.9	0	11.1	17.2	0	0	0	4.20	2.90	49.7	175
1961	65.0	56.3	47.9	44.0	122	7.40	3.50	20	12.0	54.9	11.9	57.0	482
1962	21.5	17.2	37.7	113	18.1	49.0	4.90	1.20	77.4	4.30	49.6	31.8	426
1963	9.3	5.00	8.20	33.1	170	11.9	2.20	0	70	70	70	2.20	244
1964	2.60	1.50	9.2	67.3	35.3	4.60	40	4.10	221	8.80	247	26.5	628
1965	37.3	145	20.2	8.70	151	52.1	90	80	6.30	70	5.90	4.10	433
1966	4.30	29.4	6.00	632	51.4	5.60	2.40	18.9	25.4	3.70	2.80	4.40	786
1967	4.50	1.80	8.70	13.0	154	2.00	2.90	2.40	66.5	4.90	7.40	37.4	305
1968	75.8	51.8	266	167	213	41.0	26.6	2.70	51.3	27.5	31.6	35.7	992
1969	54.5	97.2	130	51.0	292	36.0	1.90	2.30	1.50	9.5	4.00	50.1	730
1970	15.6	127	133	212	56.1	52.4	0	2.20	10	1.40	60	1.60	602
1971	2.20	7.30	2.70	5.30	2.80	0	3.50	2.70	4.80	162	23.3	389	606
1972	14.4	11.6	33.0	9.7	6.50	1.10	20	70	2.60	5.20	8.60	6.40	100.0
1973	24.7	46.6	135	182	101	107	21.1	6.20	139	153	66.6	27.6	1010
1974	10.6	17.4	14.2	114	24.2	157	2.70	5.20	69.6	213	126	57.8	812
1975	67.9	172	25.7	91.5	85.8	112	7.30	90	70	0	90	2.60	567
MAX	75.8	172	266	632	1050	314	26.6	18.9	221	213	247	389	1745
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	22.9	40.5	44.3	91.7	130	43.8	3.50	2.20	28.3	27.5	29.1	34.6	498
NO.	23	23	23	23	23	23	23	23	24	24	24	24	23
DISTR													
OF MEAN	4.6%	8.1%	8.9%	18.4%	26.0%	8.8%	.7%	.4%	5.7%	5.5%	5.8%	6.9%	100%

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1951	-	-	-	-	-	-	7.50	0	0	0	0	0	4.40
1952	5.60	30.0	61.0	3120	1330	394	5.20	0	0	0	79.0	14.0	4.40
1953	80.0	70.0	2610	2850	51.0	2.20	0	0	0	97.0	0	17.0	6.177
1954	1954	378	68.0	17.0	1040	2030	10.0	0	99.0	403	24.0	54.0	5.154
1955	186	1270	658	457	471	173	3.40	0	0	0	0	0	3.218
1956	0	6.95	1.40	48.0	6.15	0	0	0	0	0	56.0	.80	14.16
1957	0	11.0	569	13250	26680	3440	395	1.80	28.0	15.0	27.0	10.00	48260
1958	1590	879	5400	9250	919	18.0	0	42.0	0	0	20.0	70.0	20028
1960	1530	1170	443	163	243	251	267	128	4.00	2.20	10.0	504	4715
1961	1940	2180	1270	389	2030	109	84.0	7.50	134	298	103	9.13	9458
1962	414	335	831	4690	740	1590	112	22.0	3670	141	937	1060	14742
1963	311	150	270	870	3890	1170	37.0	.20	4960	863	8970	1390	6698
1964	0	0	765	803	79.0	0	0	0	0	0	0	0	17956
1965	1390	4750	979	446	3380	1720	67.0	1.60	212	9.1	29.0	32.0	13016
1966	35.0	457	90.0	12610	7740	454	31.0	515	383	52.0	22.0	34.0	22423
1967	42.0	40.0	1450	3220	2320	14.0	7.60	284	37.0	37.0	69.0	497	8234
1968	220	1140	9840	5390	5270	747	209	26.0	374	416	1080	1140	27652
1969	1310	3840	4060	2380	12400	1950	77.0	2.90	1.30	66.0	39.0	939	27065
1970	519	4150	4950	5340	3180	1350	22.0	2.80	360	117	49.0	29.0	20069
1971	47.0	57.0	35.0	67.0	285	44.0	22.0	2.30	8.90	2820	632	13170	17190
1972	979	252	368	160	176	3.00	0	0	0	0	914	305	3390
1973	1090	1430	5900	4010	2430	4140	182	51.0	3800	-	-	-	-
MAX	2020	4750	9840	13250	26680	4140	838	515	4960	2820	8970	13170	48260
MIN	0	8.70	1.40	48.0	31.0	0	0	0	0	0	0	0	0
MEAN	633	1048	1497	2943	4047	1013	108	33.8	633	256	786	1008	14006
NO. OF MEAN	22	22	22	22	22	22	22	23	23	22	22	22	21

DISCHARGE IN ACRE-FEET

LOCATION: Lat 33°16'42", long 96°38'27", Collin County, at the bridge on a county road, 4.5 mi (7.2 km) downstream from Haw Branch, 5.5 mi (9.0 km) upstream from the mouth, and 6.0 mi (9.7 km) northwest of McKinney.

DRAINAGE AREA: 39.0 mi<sup>2</sup> (101 km<sup>2</sup>).

PERIOD OF RECORD: August 1951 to September 1973.

GAGE: Water-stage recorder and concrete control. Datum of gage is 563.68 ft (171.81 m) above mean sea level.

AVERAGE DISCHARGE: 23 years, 14,006 ac-ft/yr (17.3 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1951-73): Maximum discharge, 7,920 ft<sup>3</sup>/s (224 m<sup>3</sup>/s) May 26, 1957, gage height, 20.29 ft (6.18 m); no flow at times each year. Maximum stage since at least 1930, 23.0 ft (7.0 m) in spring of 1950, from information by a local resident.

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

**TRINITY RIVER BASIN**  
**08058900 East Fork Trinity River at McKinney, Texas**

LOCATION: Lat 33°14'38", long 96°36'31", Collin County, at the bridge on State Highways 5 and 121, 750 ft (229 m) downstream from Honey Creek, 1.2 mi (1.9 km) upstream from the Southern-Pacific Railway Co. bridge, 1.7 mi (2.7 km) upstream from Clemons Creek, 3.3 mi (5.3 km) north of McKinney, 26.1 mi (42.0 km) upstream from Lavon Dam, and 86.5 mi (139.2 km) upstream from the mouth.

DRAINAGE AREA: 164 mi<sup>2</sup> (426 km<sup>2</sup>).

PERIOD OF RECORD: October to December 1975.

GAGE: Water-stage recorder. Datum of gage is 528.74 ft (161.160 m) above mean sea level, datum of 1929.

REMARKS: Records good.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1975	-	-	-	-	-	-	-	-	-	1.00	11.0	74.0	-
MAX	-	-	-	-	-	-	-	-	-	1.00	11.0	74.0	-
MIN	-	-	-	-	-	-	-	-	-	1.00	11.0	74.0	-
MEAN	-	-	-	-	-	-	-	-	-	1.00	11.0	74.0	86.5
NO.	0	0	0	0	0	0	0	0	0	1	1	1	0
DISTR OF MEAN	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	1.2%	12.8%	86.0%	100%

TRINITY RIVER BASIN

08059000 East Fork Trinity River near McKinney, Texas

LOCATION: Lat 33° 12' 13", long 96° 35' 44", Collin County, at the bridge on U.S. Highway 380, 1.2 mi (1.9 km) northeast of McKinney, 4.2 mi (6.8 km) downstream from Honey Creek, 11 mi (18 km) upstream from Wilson Creek, and 22 mi (35 km) upstream from Lavon Dam.

DRAINAGE AREA: 190 mi<sup>2</sup> (492 km<sup>2</sup>).

PERIOD OF RECORD: September 1949 to September 1975.

GAGE: Water-stage recorder. Datum of gage is 511.69 ft (155.963 m) above mean sea level, datum of 1929. Since Feb. 21, 1966, supplementary water-stage recorder on an overflow channel, 3,880 ft (1,120 m) to the left of the main channel.

AVERAGE DISCHARGE: 27 years, 84,347 ac-ft/yr (104.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1949-75): Maximum discharge not determined; maximum gage height, 17.23 ft (5.251 m) June 11, 1950; maximum discharge measured, 23,900 ft<sup>3</sup>/s (677 m<sup>3</sup>/s) May 26, 1957 (gage height, 16.65 ft or 5.075 m); no flow at times.

Maximum stage since at least 1913, 21 ft (6.4 m) in April 1942, from information by local residents.

REMARKS: Records fair. The low flow is partly sustained by the sewage effluent from the U.S. Government training facility upstream from the station. There are several small diversions for irrigation above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1949	-	-	-	-	-	-	-	-	88.0	1990	232	168	-
1950	15190	31060	4460	7370	31470	22270	2690	8600	16560	1260	552	493	141975
1951	502	3220	1390	1000	3100	42090	2060	113	79.0	67.0	56.0	63.0	53740
1952	92.0	90.0	328	10160	4370	1070	40.0	32.0	11.0	14.0	613	739	17559
1953	479	424	1670	18210	14950	313	39.0	22.0	41.0	637	1690	951	39626
1954	3060	1010	592	4710	13310	4570	40.0	12.0	92.0	2450	146	199	30191
1955	729	4040	4250	4680	3500	1740	301	15.0	116	106	8.50	12.0	19498
1956	16.0	3020	135	780	5140	44.0	14.0	13.0	9.1	29.0	20.0	89.0	9309
1957	19.0	52.0	3770	99560	104500	12660	698	51.0	532	147	23970	5110	251069
1958	8150	3140	10240	21440	49280	4430	495	31.0	1290	139	120	184	98939
1959	171	240	538	539	103	2480	2550	200	35.0	1100	2670	8650	19276
1960	12220	6340	2680	1020	1120	612	3180	568	105	228	100	5680	35853
1961	11350	9340	6670	2980	7190	533	557	26.0	1450	2790	1060	4270	48416
1962	1950	1440	2480	31870	2460	4520	574	275	27510	1030	4940	5420	84469
1963	1720	855	1200	4340	19030	3470	434	18.0	11.0	4.20	12.0	22.0	31116
1964	16.0	24.0	1010	4920	5100	928	50.0	52.0	32190	4660	35760	6070	90780
1965	5930	22530	4570	1840	15520	9240	337	50.0	986	66.0	201	229	61499
1966	299	2230	722	60850	36040	1190	169	2590	1280	348	211	314	106243
1967	376	245	1460	7200	15570	15300	311	105	4110	892	1070	3800	50439
1968	10560	6290	37190	25470	39100	9140	4420	513	2960	2210	4550	7900	150303
1969	11040	20830	19060	10330	64300	8290	690	22.0	44.0	968	303	4500	140377
1970	3410	23920	33370	37780	16910	12000	290	85.0	3430	1220	654	601	133670
1971	679	918	633	736	1730	259	101	590	1320	24880	6250	72470	110566
1972	5190	2200	1590	986	1520	64.0	1.00	0	0	1610	5860	1650	20671
1973	4990	7300	26430	20740	11730	19810	1710	796	25780	30070	21500	5650	176506
1974	4540	4100	4170	11880	8860	26390	315	1470	19580	21430	60010	9850	172595
1975	8450	31180	9690	13220	14810	21110	2160	377	32.0	-	-	-	-
MAX	15190	31180	37190	99560	104500	42090	4420	8600	32190	30070	60010	72470	251069
MIN	16.0	24.0	135	539	103	44.0	1.00	0	0	4.20	8.50	12.0	9309
MEAN	4274	7232	6950	15562	18874	8636	932	639	5172	3859	6637	5580	84347
NO.	26	26	26	26	26	26	26	26	27	26	26	26	25
DISTR													
OF MEAN	5.1%	8.6%	8.2%	18.4%	22.4%	10.2%	1.1%	.8%	6.1%	4.6%	7.9%	6.6%	100%

TRINITY RIVER BASIN

08059400 Sister Grove Creek near Blue Ridge, Texas

LOCATION: Lat 33°17'40", long 96°28'58", Collin County, at the bridge on Farm Road 545, 3.5 mi (5.6 km) upstream from Hatler Branch, 4.8 mi (7.7 km) west of Blue Ridge, 7.4 mi (11.9 km) upstream from Stiff Creek, 14.7 mi (23.7 km) upstream from the mouth, and 24.7 mi (39.7 km) upstream from Lavon Dam.

DRAINAGE AREA: 83.1 mi<sup>2</sup> (215.2 km<sup>2</sup>).

PERIOD OF RECORD: July to December 1975.

GAGE: Water-stage recorder. Datum of gage is 536.29 ft (163.461 m) above mean sea level, datum of 1929.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1975	-	-	-	-	-	-	871	82.0	23.0	2.40	63.0	142	-
MAX	-	-	-	-	-	-	871	82.0	23.0	2.40	63.0	142	-
MIN	-	-	-	-	-	-	871	82.0	23.0	2.40	63.0	142	-
MEAN	-	-	-	-	-	-	871	82.0	23.0	2.40	63.0	142	1183
NO.	0	0	0	0	0	0	1	1	1	1	1	1	0
DISTR OF MEAN	.0%	.0%	.0%	.0%	.0%	.0%	73.6%	6.9%	1.9%	.2%	5.3%	12.0%	100%

TRINITY RIVER BASIN

08059500 Sister Grove Creek near Princeton, Texas

LOCATION: Lat 33°11'36", long 96°28'32". Collin County, at the bridge on Farm Road 1377, 1.4 mi (2.3 km) northeast of Princeton, 2.3 mi (3.7 km) downstream from Stiff Creek, 5 mi (8 km) upstream from the mouth, and 15 mi (24 km) upstream from Lavon Dam.

DRAINAGE AREA: 113 mi<sup>2</sup> (293 km<sup>2</sup>).

PERIOD OF RECORD: September 1949 to January 1975.

GAGE: Water-stage recorder. Datum of gage is 487.52 ft (148.596 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 27 years, 51,764 ac-ft/yr (63.8 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1949-75): Maximum discharge, 9,080 ft<sup>3</sup>/s (257 m<sup>3</sup>/s) Apr. 26, 1957 (gage height, 16.28 ft or 4.962 m); maximum gage height, 16.55 ft (5.044 m) Apr. 30, 1966; no flow at times.

Maximum stage since at least 1865, 22 ft (6.7 m) in July 1913, from information by local residents.

REMARKS: Records fair. The station was discontinued Jan. 31, 1975 as the result of backwater from enlarged Lavon Lake.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1949	-	-	-	-	-	-	-	-	0	2160	534	355	-
1950	10000	19260	3370	7070	23440	5540	3650	4770	10450	1530	607	512	90199
1951	446	2500	1360	791	2180	27270	1870	94.0	0	0	0	0	36511
1952	0	69.0	245	6420	3010	533	0	0	0	0	249	379	10905
1953	409	362	1660	14580	12380	995	158	0	40.0	149	1040	946	32719
1954	2280	1650	748	2860	8110	2090	48.0	0	0	1010	202	148	19146
1955	328	1680	2830	2510	1340	293	748	0	0	126	0	0	9855
1956	0	2080	427	714	3670	8.30	0	0	0	0	20.0	0	6919
1957	0	0	1790	36890	57720	13870	538	14.0	356	110	17260	5790	134338
1958	8540	4340	8210	11340	29040	2510	599	155	1660	93.0	16.0	69.0	66772
1959	91.0	215	388	222	68.0	1880	389	51.0	67.0	1620	1970	9160	16121
1960	9610	6160	2910	1350	598	317	428	355	275	253	109	4780	27145
1961	7610	4580	5580	2980	2810	831	580	3.40	279	1590	1340	3660	31843
1962	2090	1730	1950	6620	2070	2480	839	210	20200	1500	3200	4210	47099
1963	1380	776	952	2710	14430	3160	966	38.0	0	0	0	0	24412
1964	0	26.0	425	2750	5090	2110	86.0	0	18930	5470	17180	3880	55947
1965	3660	13620	3750	1570	7130	5330	461	8.70	376	42.0	335	329	36612
1966	149	1570	619	30450	26410	767	421	595	800	131	99.0	197	62208
1967	205	135	1030	3730	5860	11130	397	5.60	6790	1470	1350	3570	35673
1968	7370	6480	26120	21170	27520	5310	3810	1350	2630	2500	2930	5550	112740
1969	8160	12310	12150	6700	39800	3390	305	.50	0	364	265	1740	85185
1970	2320	10420	17670	16920	5940	2610	144	.10	117	151	102	193	56587
1971	225	349	267	256	263	28.0	131	43.0	365	8740	2410	42330	55407
1972	3780	1540	1450	580	499	17.0	0	0	0	67.0	1860	840	10633
1973	3440	6800	13890	12510	6960	6560	1250	414	17480	31640	19100	5040	125084
1974	3690	2550	2350	11790	4090	13770	188	1010	23770	9490	30580	8780	112058
1975	6730	-	-	-	-	-	-	-	-	-	-	-	-
MAX	10000	19260	26120	36890	57720	27270	3810	4770	23770	31640	30580	42330	134338
MIN	0	0	245	222	68.0	8.30	0	0	0	0	0	0	6919
MEAN	3174	4048	4486	8219	11617	4512	720	365	4030	2700	3952	3941	51764
NO.	26	25	25	25	25	25	25	25	26	26	26	26	25
DISTR OF MEAN	6.1%	7.8%	8.7%	15.9%	22.4%	8.7%	1.4%	.7%	7.8%	5.2%	7.6%	7.6%	100%

TRINITY RIVER BASIN

08060000 East Fork Trinity River above Pilot Grove Creek near Lavon, Texas

LOCATION: Lat 33°01'23", long 96°28'32", Collin County, at the bridge on State Highway 78, 150 ft (45.7 m) downstream from the St. Louis-Southwestern Railway Co. bridge, 3,500 ft (1,066.8 m) downstream from Lavon Dam, and 2.5 mi (4.0 km) west of Lavon.

DRAINAGE AREA: 324 mi<sup>2</sup> (839.2 km<sup>2</sup>).

PERIOD OF RECORD: March 1949 to September 1953.

GAGE: Water-stage recorder. Datum of gage is 429.58 ft (130.9 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 5 years, 44,712 ac-ft/yr (55.1 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1949-53): Maximum gage height, 16.17 ft (4.9 m) May 2, 1950; no flow at times.

Maximum stage known since at least 1894, 22.3 ft (6.8 m) in 1913 and in April 1942, from information by the St. Louis-Southwestern Railway Co. and local residents.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1949	-	-	18710	11970	15120	6490	50.0	0	0	-	1290	1170	-
1950	-	-	11740	14690	-	-	-	-	-	3810	1580	1620	-
1951	1810	-	6050	5360	12230	-	-	154	42.0	0	35.0	56.0	-
1952	33.0	103	569	-	-	3230	17.0	0	0	0	2560	4460	-
1953	2700	1180	12050	-	-	1830	0	0	0	-	-	-	-
MAX	2700	1180	18710	14690	15120	6490	50.0	154	42.0	3810	2560	4460	-
MIN	33.0	103	569	5360	12230	1830	0	0	0	0	35.0	56.0	-
MEAN	1514	642	9824	10673	13675	3850	22.3	38.5	10.5	1270	1366	1827	44712
NO.	3	2	5	3	2	3	3	4	4	3	4	4	0
DISTR OF MEAN	3.4%	1.4%	22.0%	23.9%	30.6%	8.6%	.0%	.1%	.0%	2.8%	3.1%	4.1%	100%

**TRINITY RIVER BASIN**  
**08060500 Lavon Lake near Lavon, Texas**

LOCATION: Lat 33°01'54", long 96°28'56", Collin County, in the right abutment of the spillway in the dam on the East Fork Trinity River, 3,850 ft (1,170 m) upstream from the St. Louis-Southwestern Railway Co. bridge, 4,000 ft (1,200 m) upstream from the bridge on State Highway 78, and 2.9 mi (4.7 km) west of Lavon.

DRAINAGE AREA: 770 mi<sup>2</sup> (1,990 km<sup>2</sup>).

PERIOD OF RECORD: October 1953 to December 1975. Prior to October 1970, published as "Lavon Reservoir".

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Jan. 20, 1954, nonrecording gage in the approach channel at the same datum.

EXTREMES: Period of record (1953-75): Maximum contents, 462,800 ac-ft (570.6 hm<sup>3</sup>) May 26, 1957 (elevation, 491.90 ft or 149.931 m); minimum contents since the lake first filled in 1957, 85,850 ac-ft (105.8 hm<sup>3</sup>) October 18, 1972 (elevation, 466.02 ft or 142.04 m).

REMARKS: The lake is formed by a rolled earthfill dam 18,860 ft (5,749 m) long, including a 568-foot (173-m) gated spillway with twelve 40.0-by-28.0-foot (12.2-by-8.5-m) tainter gates. The original dam was 9,499 ft (2,895 m) long but the conservation capacity was increased to the present size in December 1975. The capacity of the enlarged lake is 456,500 ac-ft (562.9 hm<sup>3</sup>). Deliberate impoundment began on Sept. 14, 1953 and the dam was completed in October 1953. The low-flow outlets consist of five 36-inch diameter (914-millimeter) controlled sluice gates. The lake was designed for flood control and water conservation. Water for municipal supply can be released down to elevation 453.0 ft (138.07 m). 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	-	-	-	-	-	-	-	-	-	1540	5570	9380
1954	30060	35250	35950	56430	117000	121700	102300	96680	93410	100500	100900	99910
1955	101500	111800	129000	137900	140900	140200	135800	129600	129100	124800	121700	120100
1956	119900	131200	128500	128900	140900	133300	125000	117800	111400	108200	108400	106400
1957	105200	104100	113300	380700	281500	291700	210900	143600	140700	139800	192400	155800
1958	142600	140900	160200	239600	288800	257800	192500	141000	154700	137600	135400	135200
1959	134800	138800	140300	133500	129900	136100	151700	137000	131700	137100	135700	175600
1960	166700	138800	133600	139400	135100	132300	141600	138900	132800	131200	127600	145700
1961	139400	141000	169200	137500	132600	133900	131500	122800	123000	126000	133300	144400
1962	144900	150800	146500	188900	143600	158200	142900	136600	156200	148300	166700	144500
1963	144500	144700	143200	162700	202900	143100	139400	128400	120600	113100	109800	107500
1964	106700	104800	110100	130800	170300	142300	129400	124000	288800	176100	243700	144900
1965	143600	228500	145200	143500	215900	143100	133500	123400	122000	117100	116500	114900
1966	114000	126300	127500	386800	245200	160800	141500	140100	142300	138600	134100	132400
1967	130600	128500	131100	154900	184100	157000	137700	126800	141800	155100	143700	147400
1968	161400	146200	275900	271200	249400	191400	173700	145400	155000	157300	163300	146500
1969	196500	178500	207600	166800	294800	156000	135300	124700	118300	115900	111900	120300
1970	127000	191600	203000	237000	159600	148400	133900	125300	130100	135700	131800	129100
1971	126800	128000	123900	119500	116600	106500	98650	94360	92310	175900	144000	295300
1972	144000	142200	141200	137100	132900	124000	111200	99820	91380	92480	107300	111200
1973	131000	143100	145000	218100	150800	159600	146100	133500	200600	168400	160700	142200
1974	143800	149300	150900	210200	184500	189500	173800	157500	217000	206500	311100	248000
1975	197100	292400	226000	203800	215400	200500	153600	134400	123300	114300	108700	96700
MAX	197100	292400	275900	386800	294800	291700	210900	157500	288800	206500	311100	295300
MIN	30060	35250	35950	56430	116600	106500	98650	94360	91380	1540	5570	9380
MEAN	134185	145307	149416	185692	183305	160336	142816	128257	141659	131370	139751	137973
NO.	22	22	22	22	22	22	22	22	22	23	23	23
DISTR OF MEAN	7.5%	8.2%	8.4%	10.4%	10.3%	9.0%	8.0%	7.2%	8.0%	7.4%	7.9%	7.8%

TRINITY RIVER BASIN

08061000 East Fork Trinity River near Lavon, Texas

LOCATION: Lat 33°01'25", long 96°28'31", Collin County, at the St. Louis-Southwestern Railway Lines bridge, 150 ft (46 m) upstream from the bridge on State Highway 78, 3,550 ft (1,082 m) downstream from Lavon Dam, and 2.5 mi (4.0 km) west of Lavon.

DRAINAGE AREA: 773 mi<sup>2</sup> (2,002 km<sup>2</sup>).

PERIOD OF RECORD: October 1953 to December 1975.

GAGE: Water-stage recorder and concrete control. Datum of gage is 429.58 ft (130.936 m) above mean sea level, datum of 1929. Prior to Oct. 1, 1969, at site 150 ft (46 m) downstream at same datum.

AVERAGE DISCHARGE: 23 years, 287,323 ac-ft/yr (354.3 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1953-75): Maximum discharge, 39,000 ft<sup>3</sup>/s (1,100 m<sup>3</sup>/s) May 26, 27, 1967, from records of released flow from Lavon Lake furnished by the Corps of Engineers; maximum gage height, 17.34 ft (5.285 m) May 26, 1957; no flow at times each year.

Maximum stage since at least 1894, 22.3 ft (6.80 m) in 1913 and in April 1942, from information by the St. Louis-Southwestern Railway Co. and local residents.

REMARKS: Records good. The flow is regulated by Lavon Lake (station 08060500).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1953	-	-	-	-	-	-	-	-	-	0	0	0	-
1954	.10	0	0	.20	1.40	690	11060	1.60	0	0	0	0	11753
1955	0	451	359	575	2570	629	338	546	212	148	308	47.0	6183
1956	566	570	275	346	12800	574	552	515	89.0	318	219	18.0	16842
1957	217	456	432	9620	475600	38920	67560	59530	974	1360	31380	55720	741771
1958	43050	9030	47550	39300	123300	45140	61040	44870	7010	11140	225	32.0	431687
1959	2.40	1830	5920	4590	216	125	2340	7110	.60	3160	7030	17590	49914
1960	59960	61190	16290	876	16040	0	0	856	770	16.0	12.0	41910	197920
1961	60320	31860	16010	37990	17520	19.0	4.40	.80	5.40	27.0	80.0	16000	179837
1962	8580	5590	10130	17190	47980	15130	13470	7.70	57370	14190	5420	35870	230928
1963	4090	1540	3950	161	45900	61170	3.20	6.00	337	1.60	4.40	11.0	117174
1964	2.60	2.80	23.0	5.60	71.0	37360	0	0	8170	123400	56490	113100	338625
1965	28310	26620	86700	7310	22090	84060	31.0	0	48.0	15.0	4.90	10.0	255199
1966	15.0	7.20	4.50	1870	199100	83810	17090	1.40	12.0	22.0	3.90	13.0	301949
1967	8.80	4.10	1.90	5270	17190	84790	13610	0	18650	1580	20160	25350	186615
1968	37200	46360	47740	104300	167100	76590	44620	23070	1350	6.80	9500	45730	603567
1969	11440	97020	73450	90180	117700	168800	8120	77.0	90.0	8.60	6.00	24.0	566916
1970	9.2	11970	114300	65850	125000	34450	2160	0	1.10	17.0	3.60	32.0	353793
1971	55.0	21.0	4.80	0	0	0	0	0	0	16200	36530	135800	188611
1972	164600	3710	0	0	0	12.0	0	1.00	0	1.10	10.0	6.60	168341
1973	14.0	27490	78500	21830	95990	48060	11050	272	208	80720	73290	53630	491054
1974	17690	4630	9310	15590	47520	54600	3040	11650	18860	42180	82350	121000	428420
1975	93370	53900	93130	73730	55790	89030	42350	8350	0	0	0	0	509650
MAX	164600	97020	114300	104300	475600	168800	67560	59530	57370	123400	82350	135800	741771
MIN	0	0	0	0	0	0	0	0	0	0	0	0	6183
MEAN	24068	17466	27458	22572	72249	41998	13565	7130	5189	12805	14045	28778	287323
NO.	22	22	22	22	22	22	22	22	22	23	23	23	22
DISTR OF MEAN	8.4%	6.1%	9.6%	7.9%	25.1%	14.6%	4.7%	2.5%	1.8%	4.5%	4.9%	10.0%	100%

**TRINITY RIVER BASIN**  
**08061500 East Fork Trinity River near Rockwall, Texas**

LOCATION: Lat 32°55'25", long 96°30'20", Rockwall County, at the bridge on State Farm Highway 7, 3 mi (4.8 km) southeast of Rockwall, and 8 mi (12.9 km) upstream from Muddy Creek.

DRAINAGE AREA: 840 mi<sup>2</sup> (2,175.6 km<sup>2</sup>).

PERIOD OF RECORD: October 1923 to September 1954.

GAGE: Chain gage. Datum of gage is 404.32 ft (123.2 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 32 years, 345,823 ac-ft/yr (426.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1923-54): Maximum discharge, 64,800 ft<sup>3</sup>/s (1,835.1 m<sup>3</sup>/s) June 16, 1935 (gage height, 23.39 ft or 7.1 m); maximum gage height, 24.82 ft (7.6 m) April 20, 1942 while the levees were breaking; no flow at times.

Maximum stage known since construction of the levees in 1920, that of April 20, 1942.

REMARKS: Records good. The flow is largely regulated by Lavon Reservoir (station 08060500) since 1953.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	4240	1790	60300	-
1924	13400	11300	74600	32300	41300	9550	1000	0	0	0	0	0	183450
1925	71.0	1290	59.0	7950	33000	1420	92.0	0	0	1200	640	4.40	45726
1926	6050	569	11300	40600	48800	68700	198000	11200	3370	11400	9690	53100	462779
1927	38500	36000	88500	125000	32300	25300	85900	1980	957	21100	2040	16800	474377
1928	8420	38600	11400	127000	26500	26900	10200	922	29.0	42.0	3140	72600	325753
1929	55800	42400	36200	27500	174000	28400	2520	29.0	93.0	411	1710	1320	370383
1930	812	3490	1960	11400	114000	2740	1320	0	0	501	572	15700	152495
1931	1350	10800	34100	17700	14300	16000	114	499	159	1420	4.80	2640	99087
1932	253000	129000	19000	5680	19500	6780	60300	14500	6430	2120	344	45100	561754
1933	56500	16600	77500	21100	56100	13200	455	2210	2210	264	2500	1540	250179
1934	11600	16800	49700	43900	28700	2620	9.2	0	9.5	0	1690	61.0	155090
1935	14610	6440	6840	20040	186300	206200	3590	94.0	4970	7910	25620	38970	521584
1936	7710	5530	3740	1300	6480	1790	154	0	11580	30470	11190	19780	99724
1937	76300	12350	34460	17160	4660	2090	30.0	10450	1160	3580	6280	39360	207880
1938	132400	195800	106600	81990	6920	18090	261	13.0	0	0	0	0	542274
1939	0	2560	11960	124700	4970	16770	517	34.0	0	338	6.40	44.0	161893
1940	98.0	1540	865	100900	82390	52940	53440	1810	254	0	18000	107500	419737
1941	33590	42290	34250	87690	86310	214000	20660	9390	903	4210	8560	18730	560583
1942	5380	5140	7710	386900	71640	75880	3250	712	5820	7100	16340	18730	604602
1943	9590	7540	83860	47260	62620	69050	1940	5.40	0	271	32.0	164	282332
1944	666	12170	51080	19100	127900	8760	418	0	742	70.0	2260	22270	245436
1945	23350	204200	228600	94900	15140	131500	53200	1030	3820	57630	11250	4180	828800
1946	28580	113400	50140	17650	184000	117600	1890	1940	1450	514	279900	144500	941564
1947	31390	8130	30310	32360	47970	27920	982	9410	1710	1090	4920	69710	265902
1948	43460	84600	51560	7430	86290	8300	9900	103	0	0	0	13.0	291656
1949	104000	85350	58000	25870	56580	28940	637	49.0	0	24660	2280	1710	388076
1950	73680	182800	18640	21710	165000	42810	42970	13970	80310	4370	1630	1620	649510
1951	1710	23730	6380	5720	14470	191500	13740	130	8.10	0	0	18.0	257406
1952	39.0	180	496	45600	31470	4740	4.00	0	0	0	1710	4650	88889
1953	2560	1220	12900	73950	99370	1510	0	0	0	0	132	239	191881
1954	3050	101	25.0	5550	3560	584	10420	118	0	-	-	-	-
MAX	253000	204200	228600	386900	186300	214000	198000	14500	80310	57630	279900	144500	941564
MIN	0	101	25.0	1300	3560	584	0	0	0	0	0	0	45726
MEAN	33473	41997	38804	54126	62340	45890	18642	2600	4064	5965	13362	24560	345823
NO.	31	31	31	31	31	31	31	31	31	31	31	31	30
DISTR													
OF MEAN	9.7%	12.1%	11.2%	15.7%	18.0%	13.3%	5.4%	.8%	1.2%	1.7%	3.9%	7.1%	100%

TRINITY RIVER BASIN

08061540 Rowlett Creek near Sachse, Texas

LOCATION: Lat 32°57'35", long 96°36'51", Dallas County, at the bridge on State Highway 78, 150 ft (46 m) downstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 250 ft (76 m) downstream from Spring Creek, and 1.5 mi (2.4 km) southwest of Sachse.

DRAINAGE AREA: 120 mi<sup>2</sup> (311 km<sup>2</sup>).

PERIOD OF RECORD: March 1968 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 450.00 ft (137.160 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 8 years, 69,282 ac-ft/yr (85.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1968-75): Maximum discharge, 24,700 ft<sup>3</sup>/s (700 m<sup>3</sup>/s) Dec. 9, 1971 (gage height, 28.35 ft or 8.641 m); no flow Aug. 24 to Sept. 2, 1968.

Maximum stage since at least 1942, 35.4 ft (10.79 m) in 1942, from information by the Texas 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	-	-	25910	9050	9540	7640	2600	637	2240	597	1930	2160	-
1969	5580	6380	13690	6660	33900	2640	369	135	223	2540	1130	3170	76417
1970	2120	10600	15050	15940	8500	8120	751	562	2500	2270	1140	1140	68693
1971	723	932	732	1920	1730	274	1090	3040	1060	24790	3700	49520	89511
1972	3700	1970	1740	1410	1150	724	118	110	275	2870	4140	2090	20297
1973	4550	6370	8430	13530	8890	17890	3380	915	8280	15090	6200	3670	97195
1974	3580	2790	2220	7510	2930	4440	333	731	10730	11900	14590	5770	67524
1975	7910	20870	5040	9920	6850	6700	1090	988	335	325	454	672	61154
MAX	7910	20870	25910	15940	33900	17890	3380	3040	10730	24790	14590	49520	97195
MIN	723	932	732	1410	1150	274	118	110	223	325	454	672	20297
MEAN	4023	7130	9102	8243	9186	6054	1216	890	3205	7548	4161	8524	69282
NO.	7	7	8	8	8	8	8	8	8	8	8	8	7
DISTR													
OF MEAN	5.8%	10.3%	13.1%	11.9%	13.3%	8.7%	1.8%	1.3%	4.6%	10.9%	6.0%	12.3%	100%

TRINITY RIVER BASIN

08061550 Lake Ray Hubbard near Forney, Texas

LOCATION: Lat 32°48'00", long 96°29'45", Kaufman County, near the right end of the spillway in Forney Dam on the East Fork Trinity River, 0.5 mi (0.8 km) upstream from Duck Creek, 1.8 mi (2.9 km) upstream from the bridge on Interstate Highway 20, 3.8 mi (6.1 km) northwest of Forney, and 24 mi (39 km) downstream from Lavon Dam.

DRAINAGE AREA: 1,071 mi<sup>2</sup> (2,774 km<sup>2</sup>).

PERIOD OF RECORD: January 1968 to December 1975.

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

EXTREMES: Period of record (1968-75): Maximum contents, 500,900 ac-ft (617.6 hm<sup>3</sup>) June 4, 1973 (elevation, 435.98 ft or 132.887 m); minimum contents since the first appreciable filling following closure of the gates on Mar. 22, 1970, 371,000 ac-ft (457.4 hm<sup>3</sup>) July 23, 1971 (elevation, 428.85 ft or 131.018 m).

REMARKS: The lake is formed by a rolled earthfill dam 12,500 ft (3,810 m) long, including a 664-foot (202-m) gated spillway with fourteen 40- by 28-foot (12- by 9-m) tainter gates, with a capacity of 489,900 ac-ft (604.0 hm<sup>3</sup>). Closure was made in September 1967 but the gates were not closed until Mar. 22, 1970. Low-flow releases are made through three 4.5- by 6.75-foot (1.4- by 2.06-m) sluiceways. The flow in each sluiceway is controlled by three sluice gates. The lake was built by the City of Dallas for municipal water supply.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1968	63980	60480	97450	89670	95180	84510	29290	10380	16670	16890	26210	66910
1969	86370	89290	91580	90430	96260	93220	79860	75330	74370	76700	76000	82270
1970	83000	90680	191600	227000	374500	417200	406700	404900	409900	414600	409500	394300
1971	391700	393300	389700	389300	388500	380600	377600	380400	376700	469200	463300	456500
1972	459300	459800	456500	456900	453400	446900	433100	422700	414800	420200	425000	427600
1973	441600	471000	466600	473500	479800	488800	484500	470400	470400	479300	466200	469300
1974	469700	467000	467900	471500	475300	479300	464600	477100	471700	483600	467500	468800
1975	479500	459600	454300	456700	471500	476600	479300	468200	453900	438200	432400	431100
MAX	479500	471000	467900	473500	479800	488800	484500	477100	471700	483600	467500	469300
MIN	63980	60480	91580	89670	95180	84510	29290	10380	16670	16890	26210	66910
MEAN	309394	311394	326954	331875	354305	358391	344369	338676	336055	349836	345764	349598
NO.	8	8	8	8	8	8	8	8	8	8	8	8
DISTR												
OF MEAN	7.6%	7.7%	8.1%	8.2%	8.7%	8.8%	8.5%	8.3%	8.3%	8.6%	8.5%	8.6%

TRINITY RIVER BASIN

08061700 Duck Creek near Garland, Texas

LOCATION: Lat 32°49'59", long 96°35'43", Dallas County, at the bridge on Belt Line Road, 6.0 mi (9.7 km) southeast of Garland, and 7.7 mi (12.4 km) upstream from the mouth.

DRAINAGE AREA: 31.6 mi<sup>2</sup> (81.8 km<sup>2</sup>).

PERIOD OF RECORD: January 1958 to December 1975.

GAGE: Water-stage recorder and concrete control. Datum of gage is 430.02 ft (131.070 m) above mean sea level, datum of 1929. Prior to Oct. 1, 1962, at datum 4.00 ft (1.219 m) higher.

AVERAGE DISCHARGE: 18 years, 19,222 ac-ft/yr (23.7 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1958-75): Maximum discharge, 16,000 ft<sup>3</sup>/s (453 m<sup>3</sup>/s) July 27, 1962 (gage height, 20.80 ft or 6.340 m, present datum); no flow at times.

Maximum stage since about 1895, 21.5 ft (6.55 m), present datum, June 13, 1949, from information by local residents.

REMARKS: Records good. The flow is slightly regulated by several small on-channel dams. The low flows may be sustained by effluents from the City of Garland.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1958	1210	262	3400	7060	3120	186	154	12.0	405	24.0	63.0	25.0	15921
1959	17.0	816	445	12.0	51.0	110	65.0	1.00	3.20	4240	1130	3120	10010
1960	3220	1200	568	437	385	131	864	825	44.2	51.0	39.0	2400	10164
1961	2780	1430	2460	435	222	2390	157	51.0	645	255	1040	1430	13295
1962	429	645	584	3960	543	2830	8460	496	2740	4220	2640	545	28092
1963	338	195	238	3800	537	93.0	179	1.80	0	0	44.0	81.0	5507
1964	231	160	1530	729	979	84.0	11.0	366	5100	140	2110	335	11775
1965	1430	4860	468	539	7930	499	163	29.0	504	61.0	275	143	16901
1966	251	1240	489	22900	6670	700	280	606	534	317	80.0	204	34271
1967	75.0	93.0	371	1420	2440	270	404	2.10	1850	2140	730	1840	11635
1968	2850	1090	5730	2440	3780	3200	796	181	311	149	717	382	21626
1969	1340	1610	3700	1330	9930	150	13.0	17.0	138	1130	212	1660	21230
1970	413	5420	4230	3040	3500	1350	26.0	727	1620	1130	118	225	21799
1971	105	449	197	583	604	153	904	1470	924	10230	682	10670	26971
1972	806	204	338	871	447	657	39.0	46.0	48.0	1720	1230	537	6943
1973	1790	1850	3190	4200	2240	9030	2700	127	4560	6940	1250	1050	38927
1974	2230	815	522	3210	1220	3380	209	986	9080	4510	2980	1520	30662
1975	1610	5030	1080	2500	4870	2930	654	704	40.0	2.70	405	415	20241
MAX	3220	5420	5730	22900	9930	9030	8460	1470	9080	10230	2980	10670	38927
MIN	17.0	93.0	197	12.0	51.0	84.0	11.0	1.00	0	0	39.0	25.0	5507
MEAN	1174	1521	1641	3304	2748	1564	893	369	1586	2070	875	1477	19222
NO.	18	18	18	18	18	18	18	18	18	18	18	18	18
DISTR													
OF MEAN	6.1%	7.9%	8.5%	17.2%	14.3%	8.1%	4.6%	1.9%	8.3%	10.8%	4.6%	7.7%	100%

TRINITY RIVER BASIN

08061750 East Fork Trinity River near Forney, Texas

LOCATION: Lat 32°46'26", long 96°30'13", Kaufman County, 130 ft (40 m) downstream from the bridge on Interstate Highway 20, 0.2 mi (0.3 km) downstream from Duck Creek, 1.9 mi (3.1 km) downstream from Lake Ray Hubbard Dam, 2.5 mi (4.0 km) upstream from the Texas and Pacific Railroad Co. bridge, and 2.6 miles (4.2 km) northwest of Forney.

DRAINAGE AREA: 1,118 mi<sup>2</sup> (2,896 km<sup>2</sup>), of which 1,071 mi<sup>2</sup> (2,774 km<sup>2</sup>) is above Lake Ray Hubbard.

PERIOD OF RECORD: February 1973 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 377.86 ft (115.17 m) above mean sea level. Prior to Aug. 26, 1975, recording gage located at site 126 ft (38 m) upstream at same datum and 868 ft (265 m) to left.

EXTREMES: Period of record (1973-75): Maximum discharge, 27,100 ft<sup>3</sup>/s (767 m<sup>3</sup>/s) June 4, 1973 (gage height, 15.87 ft or 4.837 m); minimum, 15 ft<sup>3</sup>/s (0.42 m<sup>3</sup>/s) Sept. 3, 1973.

REMARKS: Records good. The flow is regulated by Lake Ray Hubbard (station 08061550). The low flow is sustained by the sewage effluent from the City of Garland.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1973	-	21270	137200	76610	143800	126200	34430	1480	51520	244400	127700	70520	-
1974	48210	13070	13600	52520	51860	68640	2640	3550	94200	69240	155000	138500	711030
1975	108400	147300	118500	102200	73030	107600	39760	7850	2040	1890	1970	2240	712780
MAX	108400	147300	137200	102200	143800	126200	39760	7850	94200	244400	155000	138500	712780
MIN	48210	13070	13600	52520	51860	68640	2640	1480	2040	1890	1970	2240	711030
MEAN	78305	60547	89767	77110	89563	100813	25610	4293	49253	105177	94890	70420	845748
NO.	2	3	3	3	3	3	3	3	3	3	3	3	2
DISTR OF MEAN	9.3%	7.2%	10.6%	9.1%	10.6%	11.9%	3.0%	.5%	5.8%	12.4%	11.2%	8.3%	100%

TRINITY RIVER BASIN

08061950 South Mesquite Creek at Mercury Road near Mesquite, Texas

LOCATION: Lat 32°43'32", long 96°34'12", Dallas County, at the bridge on Mercury Road, 3.3 mi (5.3 km) southeast of Mesquite, and 3.6 mi (5.8 km) upstream from the mouth.

DRAINAGE AREA: 23.0 mi<sup>2</sup> (59.6 km<sup>2</sup>).

PERIOD OF RECORD: October 1968 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 389.91 ft (118.845 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 8 years, 16,531 ac-ft/yr (20.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1968-75): Maximum discharge, 9,000 ft<sup>3</sup>/s (255 m<sup>3</sup>/s) June 4, 1973 (gage height, 12.10 ft or 3.688 m); no flow at times.

Maximum stage since about 1918, 14.3 ft (4.36 m) Apr. 27, 1957 (discharge not determined), from information by the Corps of Engineers.

REMARKS: Records fair.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1968	-	-	-	-	-	-	-	-	-	33.0	546	318	-
1969	95.0	156.0	287.0	109.0	604.0	11.0	0	0	124	726	87.0	159.0	14193
1970	230	518.0	306.0	190.0	236.0	401	0	38.0	993	121.0	109	177	16000
1971	108	449	174	226	497	61.0	421	525	703	837.0	349	615.0	18033
1972	819	112	115	86.1	51.0	743	17.0	5.00	57.0	1300	858	718	6115
1973	2000	124.0	202.0	425.0	189.0	808.0	115.0	11.0	282.0	652.0	871	123.0	32082
1974	295.0	624	198	194.0	181.0	243.0	52.0	835	392.0	338.0	183.0	117.0	21139
1975	116.0	389.0	625	235.0	297.0	335	128	61.0	5.30	0	222	251	11997
MAX	2950	5180	3060	4250	6040	8080	1150	835	3920	8370	1830	6150	32082
MIN	95.0	112	115	226	497	11.0	0	0	5.30	0	87.0	177	6115
MEAN	1052	1865	1295	1802	2297	1723	253	260	1232	2692	609	1451	16531
NO.	7	7	7	7	7	7	7	7	7	8	8	8	7
DISTR OF MEAN	6.4%	11.3%	7.8%	10.9%	13.9%	10.4%	1.5%	1.6%	7.5%	16.3%	3.7%	8.8%	100%

TRINITY RIVER BASIN

08062000 East Fork Trinity River near Crandall, Texas

LOCATION: Lat 32°38'19", long 96°29'17", Kaufman County, at the bridge on U.S. Highway 175, 0.7 mi (1.1 km) downstream from Mustang Creek, 1.8 mi (2.9 km) northwest of Crandall, and 4.0 mi (6.4 km) upstream from Buffalo Creek.

DRAINAGE AREA: 1,256 mi<sup>2</sup> (3,253 km<sup>2</sup>).

PERIOD OF RECORD: July 1949 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 343.69 ft (104.757 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 27 years, 463,272 ac-ft/yr (571.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1949-75): Maximum discharge, 33,000 ft<sup>3</sup>/s (935 m<sup>3</sup>/s) May 28, 1957 (gage height, 22.81 ft or 6.952 m); no flow at times.

REMARKS: Records good. The flow is largely regulated by Lavon Lake (station 08060500) since September 1953 and Lake Ray Hubbard (station 08061550) since Mar. 22, 1970.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1949	-	-	-	-	-	-	2650	477	30.0	45590	3490	2230	-
1950	87720	288800	41640	46890	287200	69900	54750	33150	131500	6480	2330	2380	1052740
1951	2580	48300	10330	8330	19280	249900	15220	286	403	49.0	73.0	119	354870
1952	179	1280	1170	50770	68720	16310	105	0	0	0	5830	9750	154114
1953	5590	2850	20710	43100	198800	2520	98.0	429	157	209	1600	1360	277423
1954	8810	1870	733	12540	26190	1060	9480	1050	0	1430	878	220	64261
1955	576	3690	2080	4370	6130	5920	536	666	1310	1570	225	300	27373
1956	860	3290	652	444	35070	1070	236	0	0	97.0	595	281	42595
1957	478	1280	3980	153600	589400	116900	63070	57320	4410	5810	55960	58760	1110968
1958	59710	15290	79140	115300	211200	41320	57850	44730	13180	14320	956	1700	654696
1959	1340	10760	12750	7510	2590	3670	12530	8950	364	29530	16610	52600	159204
1960	102900	90170	32600	5060	23810	1160	2160	4280	1900	750	518	70750	336058
1961	95600	53500	51250	46560	21520	32420	5480	324	1480	2520	6970	30380	348004
1962	12590	14050	16890	54730	61880	26490	92700	12560	69440	49260	37750	48580	496920
1963	9730	4340	6990	36310	72900	67510	1610	371	807	521	581	869	202539
1964	1310	1830	7310	6580	4500	39490	1030	1460	64890	110500	91610	114400	444910
1965	38760	100200	100500	13100	113200	96050	3160	1470	3060	1570	3140	2250	476460
1966	2720	13590	5090	150100	379200	72960	32420	4890	6020	7720	2160	2220	679090
1967	1880	1820	3210	11140	35790	68170	36380	1290	14900	35760	39630	31490	281460
1968	38000	68420	95360	138400	208800	112400	88930	36410	1910	1170	5160	5140	800100
1969	2350	110700	109400	91510	228800	130000	18910	1800	1890	3370	2040	5130	705900
1970	4710	46790	80090	56040	8030	14280	1730	2510	6640	12060	2880	15330	251090
1971	2610	4410	2720	2580	2680	1580	2530	3520	3360	50950	44540	270600	392080
1972	189600	8290	4370	3510	2700	2680	1840	1650	1540	3940	5060	3440	228620
1973	8640	21220	123500	87290	128900	141000	40050	3100	42910	253100	142100	70610	1062420
1974	60620	14710	12270	45940	67940	73870	3740	5090	92800	60650	180400	139000	757030
1975	110300	169000	128400	112400	77060	105400	39730	8780	3410	2460	2650	3170	762760
MAX	189600	288800	128400	153600	589400	249900	92700	57320	131500	253100	180400	270600	1110968
MIN	179	1280	652	444	2590	1060	98.0	0	0	0	73.0	119	27373
MEAN	32699	42325	36659	50158	110857	57463	21812	8762	17345	25977	24287	34928	463272
NO.	26	26	26	26	26	26	27	27	27	27	27	27	26
DISTR OF MEAN	7.1%	9.1%	7.9%	10.8%	23.9%	12.4%	4.7%	1.9%	3.7%	5.6%	5.2%	7.5%	100%

TRINITY RIVER BASIN

08062500 Trinity River near Rosser, Texas

LOCATION: Lat 32°25'35", long 96°27'44", Ellis-Kaufman County line, at the bridge on State Highway 34, 2.5 mi (4.0 km) south of Rosser, and 8.5 mi (13.7 km) downstream from the East Fork Trinity River.

DRAINAGE AREA: 8,146 mi<sup>2</sup> (21,098 km<sup>2</sup>).

PERIOD OF RECORD: August 1924 to September 1925, October 1938 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 302.65 ft (92.248 m) above mean sea level, datum of 1929. July 25, 1924 to Sept. 30, 1925, nonrecording gage at an abandoned lock and dam No. 7, 1.7 mi (2.7 km) upstream from present site at datum 6.94 ft (2.115 m) higher.

AVERAGE DISCHARGE: 40 years (1924-25, 1938-75), 1,898,566 ac-ft/yr (1,898.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1924-25, 1938-75): Maximum discharge, 133,000 ft<sup>3</sup>/s (3,766.6 m<sup>3</sup>/s), Apr. 23 or 24, 1942, following numerous breaks in the levee system along both banks (maximum gage height, 41.55 or 12.664 m) Apr. 22, 1942, just prior to the levee breaks; minimum, 32 ft<sup>3</sup>/s (0.91 m<sup>3</sup>/s) for several days in 1924-25.

Maximum discharge, that of April 23, 1942.

REMARKS: Records good. The flow is largely regulated by 15 major upstream reservoirs having a combined capacity of 3,572,000 ac-ft (4,404.3 hm<sup>3</sup>), 1,138,000 ac-ft (1,403.2 hm<sup>3</sup>) for flood control. A levee system constructed in 1916 extends several miles upstream and downstream from the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	-	-	-	3950	3760	2020	2950	3100	-
1925	3750	4040	3360	50030	263200	9170	3850	2280	5300	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	13530	9500	5710	-
1939	20880	30650	34170	198100	50390	56490	16090	10800	7210	8000	12630	6440	451850
1940	5690	9960	11100	188800	253800	309200	320600	30100	11070	9820	151700	546700	1848540
1941	253700	269300	283600	335700	450100	1464000	399300	105000	52010	193500	162500	100900	4069810
1942	85190	56820	65360	2297000	977200	559400	109000	42700	105800	151500	121600	86950	4658520
1943	52870	61820	252500	225000	251100	382000	23610	12730	26640	15420	8310	12570	1324570
1944	20390	94110	297200	117500	668900	166500	30600	21880	40310	29500	39330	117900	1644120
1945	127400	653700	1237000	979100	135400	365800	342700	41140	39370	243800	77890	51260	4294560
1946	165400	508400	194200	125100	311400	912500	31120	47430	34960	22290	628600	478600	3460000
1947	167600	65460	114200	213100	120800	186400	34810	94870	78770	39660	50520	327100	1493290
1948	216700	187900	539600	55000	224800	75970	97730	31870	29410	20330	12170	13780	1504260
1949	169300	357100	274600	100200	610900	417800	32250	15740	24840	140200	68590	22070	2233590
1950	226900	793100	108200	153900	804200	158600	166200	193200	430800	84150	61660	27460	3208370
1951	23430	54440	36040	26900	56390	492900	60700	23870	23670	19320	13040	12360	843060
1952	11530	14120	14940	130000	168300	36360	13140	9740	9880	8660	31960	42720	491350
1953	24000	14270	52430	76270	411700	12500	14300	10890	10610	17480	13330	13030	670810
1954	29700	12470	10620	30570	81500	14120	14840	11920	8050	17890	11860	8940	252480
1955	11750	17410	17410	26540	47210	31650	11380	12100	11910	10430	7820	10740	216350
1956	11190	18710	9860	12650	85420	14460	7690	7170	7070	8700	13440	12080	208440
1957	9760	13620	22640	542000	1621000	1194000	432000	293000	40090	55090	371700	137500	4732400
1958	158500	68270	243500	374100	1034000	307200	167900	62040	102200	47890	19640	20600	2605840
1959	19840	55580	44140	55250	66680	79200	35840	21070	14850	381100	54930	190200	1018680
1960	431400	183900	85650	41290	80860	24260	32020	37200	18040	24030	15850	151600	1126100
1961	214800	164400	182100	104600	55720	128900	49910	24780	28710	29550	36920	68660	1089050
1962	39460	48100	42370	130300	103600	62440	198200	122700	495200	303100	106800	228900	1881170
1963	47180	27320	31170	92000	256900	104900	25160	23550	21300	16870	14600	18050	679000
1964	21860	24660	53760	66190	37780	63700	19010	26140	253200	211900	328200	445100	1551500
1965	167500	531600	233100	69940	515100	229800	35330	30480	45530	30740	41430	33440	1963990
1966	26960	124100	56810	414800	1201000	449400	249100	50420	54160	66410	23070	25470	2741700
1967	23900	22750	31550	68660	79360	224800	75430	22660	57560	116600	101800	91680	916750
1968	159800	143000	498100	485900	533800	352600	157200	81910	35040	36120	46520	50840	2580830
1969	35020	188600	419500	389200	1001000	415200	81690	34950	41710	60180	38860	64420	2770330
1970	71010	175400	590200	320100	363700	165600	32850	38540	89430	130700	27100	41270	2045900
1971	28960	33670	43430	47570	39200	30890	44130	62690	31030	335000	117100	850400	1664070
1972	506200	45470	34630	49170	52470	29610	25170	27530	26660	62760	65920	34120	959710
1973	99000	126400	309600	359700	403400	565800	208700	122100	136800	533000	316000	158000	3338500

TRINITY RIVER BASIN  
08062500 Trinity River near Rosser, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	175000	69940	55400	106400	214800	183900	31690	59460	175300	162400	886400	553900	2674590
1975	232000	750900	308400	460200	348100	543700	176100	63480	24860	22810	26000	34280	2990830
MAX	506200	793100	1237000	2297000	1621000	1464000	432000	293000	495200	533000	886400	850400	4732400
MIN	3750	4040	3360	12650	37780	9170	3850	2280	3760	2020	2950	3100	208440
MEAN	107777	158459	180069	250496	367926	284782	100167	49592	68028	94422	106109	130739	1898566
NO.	38	38	38	38	38	38	38	39	39	39	39	39	37
DISTR OF MEAN	5.7%	8.3%	9.5%	13.2%	19.4%	15.0%	5.3%	2.6%	3.6%	5.0%	5.6%	6.9%	100%

TRINITY RIVER BASIN

08062650 Cedar Creek Reservoir Spillway Outflow near Trinidad, Texas

LOCATION: Lat 32°14'18", long 96°08'38", Henderson County, at the bridge on State Highway 274, 0.2 mi (0.3 km) downstream from Cedar Creek Reservoir spillway, 1.8 mi (2.9 km) upstream from the mouth of the cut channel at the Trinity River, and 7.6 mi (12.2 km) north of Trinidad.

DRAINAGE AREA: 1,007 mi<sup>2</sup> (2,608 km<sup>2</sup>), that of Cedar Creek Reservoir.

PERIOD OF RECORD: October 1965 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to July 9, 1966, nonrecording gage at same site and datum. Auxiliary water-stage recorder 6,000 ft (1,830 m) downstream from the base gage at the same datum.

AVERAGE DISCHARGE: 11 years, 444,411 ac-ft/yr (548.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1965-75): Maximum discharge, 110,000 ft<sup>3</sup>/s (3,120 m<sup>3</sup>/s) June 4, 1973 (elevation, 300.75 ft or 91.669 m); no flow at times each year except 1971.

REMARKS: Records good. Except for a small amount of local runoff and seepage around the gates, all flow is water released from Cedar Creek Reservoir (station 08063010).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1965	-	-	-	-	-	-	-	-	-	0	0	0	-
1966	0	0	0	0	195400	0	0	0	0	0	0	0	195400
1967	0	0	0	0	0	0	0	0	0	113	19.0	166.50	16782
1968	143000	50270	133800	104200	151800	5440	300	14.0	16.0	8.30	11.0	6.40	588866
1969	16.0	51990	159200	37160	276300	41.0	16.0	12.0	13.0	15.0	758	15380	540901
1970	28980	69930	222400	25440	17750	68.0	1660	1430	671	53460	4200	22.30	428219
1971	2640	3160	31420	6510	4760	4000	2170	671	21.0	123100	67680	408700	654832
1972	177500	4410	3.00	7.00	6.00	5.00	0	0	0	2.00	.40	3.10	181936
1973	4260	43600	96480	261000	53160	294800	34.0	4.60	15370	64170	66470	61100	960449
1974	110100	9580	5970	18480	68330	27170	348	70.0	15.0	16590	245000	78190	579843
1975	29350	156100	47480	105000	68630	1510	3.60	.40	.30	5.30	7.80	56.0	408143
MAX	177500	156100	222400	261000	276300	294800	2170	1430	15370	123100	245000	408700	960449
MIN	0	0	0	0	0	0	0	0	0	0	0	0	16782
MEAN	49585	38904	69675	55780	83614	33303	453	220	1611	23406	34922	52938	444411
NO.	10	10	10	10	10	10	10	10	10	11	11	11	10
DISTR OF MEAN	11.2%	8.8%	15.7%	12.6%	18.8%	7.5%	.1%	.0%	.4%	5.3%	7.9%	11.9%	100%

TRINITY RIVER BASIN

08062700 Trinity River at Trinidad, Texas

LOCATION: Lat 32°08'05", long 96°06'20", Navarro-Henderson County line, at the pumping station of the Texas Power and Light Co. near the southwest boundary of Trinidad, 0.5 mi (0.8 km) downstream from the St. Louis-Southwestern Railway Co. bridge, 0.9 mi (1.4 km) downstream from the bridge on State Highway 31, and 8 mi (13 km) upstream from Cedar Creek.

DRAINAGE AREA: 8,538 mi<sup>2</sup> (22,113 km<sup>2</sup>), not including 1,007 mi<sup>2</sup> (2,608 km<sup>2</sup>) upstream from Cedar Creek Reservoir.

PERIOD OF RECORD: October 1964 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 239.21 ft (72.911 m) above mean sea level, datum of 1929. Prior to May 3, 1967, at site 0.9 mi (1.4 km) upstream at datum 1.28 ft (0.390 m) higher.

AVERAGE DISCHARGE: 12 years, 2,929,363 ac-ft/yr (3,611.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 83,000 ft<sup>3</sup>/s (2,350 m<sup>3</sup>/s) May 8, 1969 (gage height, 44.10 ft or 13.442 m); minimum daily, 312 ft<sup>3</sup>/s (8.84 m<sup>3</sup>/s) Aug. 9, 1972.

Maximum stage since at least 1908, 49.8 ft (15.18 m) Apr. 25, 1942 (present site and datum), from records of the National Weather Service.

REMARKS: Records good. For regulation by upstream reservoirs, see Trinity River near Rosser (station 08062500). The spillway outflow from Cedar Creek Reservoir (station 08062650) enters the Trinity River 13 mi (21 km) upstream from the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	-	-	-	-	-	247600	301600	434000	-
1965	159500	533300	244000	77510	556300	261000	36790	29460	46590	32500	44880	36120	2057950
1966	29650	132600	67560	415200	1831000	429200	251500	43980	60040	68550	24000	28260	3381540
1967	25540	23540	33360	68100	77990	223400	80480	24240	59020	132500	172900	129700	1050770
1968	331100	220200	674500	685600	786300	370200	151500	79960	36270	34610	41570	57050	3468860
1969	30090	251400	667300	410200	1423000	485900	90640	38900	43760	56470	47290	80790	3625740
1970	124500	235700	1022000	339500	482900	180400	35180	40150	88900	217000	41670	45390	2853290
1971	33460	34740	75880	55010	42630	37650	44820	72870	33760	526200	196000	1310000	2463020
1972	752800	57470	37400	50620	65030	31300	24210	27070	26660	59900	74360	38130	1244950
1973	116800	179300	461700	667200	513800	941500	189100	123500	120500	700200	438900	237500	4690000
1974	319900	90210	66950	123200	320100	206800	32200	62150	199100	143800	1200000	691000	3455410
1975	283800	904100	378900	626100	495400	549000	177800	79440	30410	25630	27500	35070	3613150
MAX	752800	904100	1022000	685600	1831000	941500	251500	123500	199100	700200	1200000	1310000	4690000
MIN	25540	23540	33360	50620	42630	31300	24210	24240	26660	25630	24000	28260	1050770
MEAN	200649	242051	339050	319840	599495	337850	101293	56520	67728	187080	217556	260251	2929363
NO.	11	11	11	11	11	11	11	11	11	12	12	12	11
DISTR													
OF MEAN	6.8%	8.3%	11.6%	10.9%	20.5%	11.5%	3.5%	1.9%	2.3%	6.4%	7.4%	8.9%	100%

TRINITY RIVER BASIN

08062800 Cedar Creek near Kemp, Texas

LOCATION: Lat 32°30'11", long 96°06'43", Kaufman County, at the bridge on Farm Road 1836, 3 mi (5 km) upstream from Williams Creek, and 8 mi (13 km) northeast of Kemp.

DRAINAGE AREA: 189 mi<sup>2</sup> (490 km<sup>2</sup>).

PERIOD OF RECORD: January 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 341.48 ft (104.083 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 13 years, 85,658 ac-ft/yr (105.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 29,000 ft<sup>3</sup>/s (821 m<sup>3</sup>/s) Apr. 26, 1966 (gage height, 16.00 ft or 4.877 m); no flow at times each year.

Maximum stage since at least 1889, about 20.5 ft (6.25 m) in 1945, from information by the State Highway Department and local residents.

REMARKS: Records good above 700 ft<sup>3</sup>/s (19.8 m<sup>3</sup>/s) and fair below. The flow is regulated by Terrell Municipal Lake, capacity 8,300 ac-ft (10.2 hm<sup>3</sup>).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1963	1260	78.0	480	18160	2130	176	15.0	0	0	0	0	0
1964	139	395	918	11000	354	0	0	0	569	33.0	175	0
1965	334	12480	726	418	26220	956	4.20	14.0	2970	2.80	1010	6.70
1966	2130	6800	550	85370	30600	112	455	878	1850	.70	0	113
1967	113	16.0	515	2830	1150	7840	2910	0	990	40800	7980	17510
1968	16540	9490	23840	16880	30880	1750	612	0	0	0	1120	4040
1969	1990	11780	20860	5680	51980	460	0	0	4.20	2590	1450	12670
1970	3640	16710	28240	11990	3520	682	.20	.30	1460	14440	550	97.0
1971	84.0	1360	680	145	533	6.50	22480	3520	255	18360	3290	62100
1972	17560	666	311	95.0	122	1820	74.0	0	0	1050	2350	3790
1973	12020	6790	18640	33820	2270	49430	170	6.50	2240	16570	16050	15930
1974	25140	2070	726	3870	17760	11990	39.0	37.0	1060	2560	58850	15260
1975	4060	32170	7220	18550	7690	1340	105	.04	.80	0	0	0
MAX	25140	32170	28240	85370	51980	49430	22480	3520	2970	40800	58850	62100
MIN	84.0	16.0	311	95.0	122	0	0	0	0	0	0	0
MEAN	6539	7754	7977	16062	13478	5889	2066	343	877	7416	7140	10117
NO.	13	13	13	13	13	13	13	13	13	13	13	13
DISTR OF MEAN	7.6%	9.1%	9.3%	18.8%	15.7%	6.9%	2.4%	.4%	1.0%	8.7%	8.3%	11.8%

**TRINITY RIVER BASIN**  
**08062900 Kings Creek near Kaufman, Texas**

LOCATION: Lat 32°30'48", long 96°19'44", Kaufman County, at the bridge on Farm Road 1388, 3 mi (5 km) upstream from Big Cottonwood Creek, 4 mi (6 km) downstream from Big Brushy Creek, and 5 mi (8 km) south of Kaufman.

DRAINAGE AREA: 233 mi<sup>2</sup> (603 km<sup>2</sup>).

PERIOD OF RECORD: January 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 343.24 ft (104.620 m) above mean sea level.

AVERAGE DISCHARGE: 13 years, 112,509 ac-ft/yr (138.8 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 33,800 ft<sup>3</sup>/s (957 m<sup>3</sup>/s) May 7, 1969 (gage height, 23.34 ft or 7.114 m); no flow at times most years.

Maximum stage since at least 1942, 23.34 ft (7.114 m) May 7, 1969.

REMARKS: Records good.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1963	2140	462	451	28800	1970	89.0	44.0	2.80	0	0	111	102	34172
1964	223	324	2600	12750	947	169	1.40	0	5460	79.0	4540	201	27294
1965	1780	28840	2140	395	41770	354	69.0	78.0	900	97.0	2630	126	79179
1966	1120	12450	1490	83110	31370	1030	68.0	517	843	2600	72.0	97.0	134767
1967	123	139	459	3200	7900	3640	2110	66.0	5240	69650	16340	23280	132147
1968	24390	11680	36140	8890	25500	7500	654	94.0	178	103	1440	3850	120419
1969	349	14870	31450	5580	93120	839	94.0	144	106	3560	413	13620	164145
1970	3010	27510	53180	17410	2840	6240	96.0	116	12570	14810	675	342	138799
1971	237	1750	626	410	902	122	8820	1290	286	60510	1080	50310	126343
1972	14290	524	313	396	349	832	116	73.0	132	2910	4660	2960	27555
1973	15520	15680	19160	47810	3980	38870	2310	242	4280	25950	14850	13150	201802
1974	40050	1930	1250	4610	17570	27550	105	544	5610	13980	55900	12800	181899
1975	5070	44090	11240	22590	5610	4670	1020	432	139	89.0	123	173	95246
MAX	40050	44090	53180	83110	93120	38870	8820	1290	12570	69650	55900	50310	201802
MIN	123	139	313	395	349	89.0	1.40	0	0	0	72.0	97.0	27294
MEAN	8331	12327	12346	18150	17987	7070	1193	277	2750	14949	7910	9309	112599
NO.	13	13	13	13	13	13	13	13	13	13	13	13	13
DISTR OF MEAN	7.4%	10.9%	11.0%	16.1%	16.0%	6.3%	1.1%	.2%	2.4%	13.3%	7.0%	8.3%	100%

TRINITY RIVER BASIN

08063000 Cedar Creek near Mabank, Texas

LOCATION: Lat 32°19'45", long 96°10'05", Henderson County, at the bridge on Farm Road 85, 3 mi (4.8 km) downstream from Lacys Fork, and 4.5 mi (7.2 km) southwest of Mabank.

DRAINAGE AREA: 733 mi<sup>2</sup> (1,898.5 km<sup>2</sup>).

PERIOD OF RECORD: October 1938 to January 1966.

GAGE: Water-stage recorder. Datum of gage is 285.54 ft (87.0 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 29 years, 300,558 ac-ft/yr (370.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1938-66): Maximum discharge, 44,800 ft<sup>3</sup>/s (1,268.7 m<sup>3</sup>/s) March 30, 1945 (gage height, 25.43 ft or 7.8 m); no flow at times.

Maximum stage since at least 1889, that of March 30, 1945.

REMARKS: Records fair.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1938	-	-	-	-	-	-	-	-	-	0	0	0	-
1939	3320	44420	10040	5550	22530	23240	10880	0	0	0	12.0	756	120748
1940	81.0	3150	1350	48990	57350	11860	21430	1370	132	4.00	104400	80540	330657
1941	9510	41870	49680	14440	66990	196100	18470	11940	240	11550	7740	13850	442380
1942	4850	13080	8790	306600	89090	79040	324	4270	18810	7270	17040	43560	592724
1943	13220	7060	38370	26730	48920	122800	621	17.0	1490	12820	65.0	8820	280933
1944	35280	52860	34520	11450	197800	15120	693	10.0	164	56.0	18220	67520	433693
1945	43300	90910	248100	93570	2750	94860	93110	926	1400	16340	10200	9640	705106
1946	56780	96450	18700	6100	96710	87950	106	6070	2540	1230	145200	21650	539486
1947	38900	2530	21690	150500	5450	35030	214	7860	5970	127	17010	107000	392281
1948	34080	43320	55560	5180	79320	597	1560	454	112	0	1640	1690	223513
1949	35450	68320	17460	16450	19730	6300	1190	7.90	0	6970	492	345	172715
1950	31440	157200	2880	34090	82590	2160	12800	2330	863	1.20	1600	40.0	327994
1951	9600	33960	828	939	9690	50080	2280	0	423	2000	320	0	110120
1952	1170	946	6540	108100	76590	5890	215	0	0	0	9870	47490	256811
1953	10990	770	20430	34660	191400	121	251	961	4950	85.0	118	13710	278446
1954	33320	4390	200	8130	31720	1170	0	0	0	24200	17180	985	121295
1955	2650	17510	21050	35410	3550	2710	164	356	732	89.0	0	0	84221
1956	131	18710	76.0	200	24670	202	0	0	0	0	15310	869	60168
1957	8740	18160	33980	393600	154800	27420	30.0	397	6110	76080	106200	12010	837527
1958	33020	1700	27090	171000	171400	1480	18290	0	6940	2690	1780	970	436360
1959	652	40370	12490	61380	45130	15860	1710	55.0	2.80	28380	5900	72360	284290
1960	113800	35260	14540	1040	2270	3550	2080	2270	1060	650	5290	146100	327910
1961	82930	51310	49800	7970	2550	71830	9750	570	1280	198	13600	29150	320938
1962	5720	14840	7670	40540	21810	8550	41590	3750	15910	9410	22370	9140	201300
1963	3950	580	981	54660	23260	169	41.0	4.40	0	0	11.0	45.0	83701
1964	90.0	550	3610	27160	4850	172	1.40	0	3920	78.0	4010	147	44588
1965	4410	62140	3650	2190	90750	2830	211	.40	3060	241	4620	138	174240
1966	3760	-	-	-	-	-	-	-	-	-	-	-	-
MAX	113800	157200	248100	393600	197800	196100	93110	11940	18810	76080	145200	146100	837527
MIN	81.0	550	76.0	200	2270	121	0	0	0	0	0	0	44588
MEAN	22184	34162	26299	61727	60136	32114	8815	1616	2819	7160	18936	24590	300558
NO.	28	27	27	27	27	27	27	27	27	28	28	28	27
DISTR OF MEAN	7.4%	11.4%	8.8%	20.5%	20.0%	10.7%	2.9%	.5%	.9%	2.4%	6.3%	8.2%	100%

TRINITY RIVER BASIN

08063010 Cedar Creek Reservoir near Trinidad, Texas

LOCATION: Lat 32°14'34", long 96°08'28", Henderson County, at the site of a future pump station 1,000 ft (305 m) north of the spillway, 5.5 mi (8.8 km) upstream from Joe B. Hogsett Dam on Cedar Creek, and 8.0 mi (12.9 km) northwest of Trinidad.

DRAINAGE AREA: 1,007 mi<sup>2</sup> (2,608 km<sup>2</sup>).

PERIOD OF RECORD: January 1965 to December 1975.

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

EXTREMES: Period of record (1965-75): Maximum contents, 722,000 ac-ft (890.2 hm<sup>3</sup>) June 4, 1973 (elevation, 323.24 ft or 98.524 m); minimum contents since the first appreciable storage in 1966, 332,900 ac-ft (410.4 hm<sup>3</sup>) Mar. 19, 1967 (elevation, 309.42 ft or 94.311 m).

REMARKS: The reservoir is formed by a rolled earthfill dam 17,539 ft (5,346 m) long, with a capacity of 679,200 ac-ft (837.4 hm<sup>3</sup>). The spillway is located on the right bank, 5.5 mi (8.8 km) upstream from the dam and discharges into the Trinity River through a cut channel 2 mi (3 km) long. Deliberate impoundment began on July 2, 1965 and the dam was completed in February 1966. The spillway is 474 ft (144 m) long and has eight 40- by 24-foot (12- by 7-m) radial gates and two automatically operated 40- by 8.5-foot (12- by 2.6-m) hinged gates. The low-flow releases may be made downstream through a 5.0-foot diameter (1.5-m) conduit through the dam. The dam is the property of the Tarrant County Water Control and Improvement District No. 1 and was built for municipal and industrial supply and for recreational purposes.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1965	12000	24000	9500	6550	60000	9500	4800	2800	10000	6700	10130	10530
1966	25810	48080	52230	433400	370200	358900	347700	352200	358900	349700	343300	342800
1967	339600	336400	337200	355500	366000	373200	368800	355300	370200	549400	602600	679200
1968	621900	619600	611300	610700	678200	679600	672300	653300	644100	632800	644400	660000
1969	671900	674600	642800	651000	664000	650300	625700	607300	597900	609500	612900	669300
1970	645100	682300	628300	660300	655300	651700	632500	615800	625100	679900	671300	666000
1971	658600	663600	628300	621600	612600	594200	655700	664000	661000	676600	644100	650000
1972	648700	644700	639900	635100	628000	623500	607600	590100	583900	607300	603800	617700
1973	675900	671600	672900	680900	675200	676900	678600	660000	663300	677900	676600	677900
1974	678600	673600	674600	678600	678600	669900	647700	644700	651000	664600	672900	676200
1975	680600	676900	672300	679900	682300	680900	665300	649700	636400	624500	617000	609800
MAX	680600	682300	674600	680900	682300	680900	678600	664000	663300	679900	676600	679200
MIN	12000	24000	9500	6550	60000	9500	4800	2800	10000	6700	10130	10530
MEAN	514428	519580	506303	546686	551855	542600	536973	526836	527436	552627	554457	569039
NO.	11	11	11	11	11	11	11	11	11	11	11	11
DISTR												
OF MEAN	8.0%	8.1%	7.9%	8.5%	8.6%	8.4%	8.3%	8.2%	8.2%	8.6%	8.6%	8.8%

**TRINITY RIVER BASIN**  
**08063020 Cedar Creek at Trinidad, Texas**

LOCATION: Lat 32°09'24", long 96°03'45", Henderson County, at the bridge on State Highway 31, 0.4 mi (0.6 km) upstream from the St. Louis-Southwestern Railway bridge, 2.5 mi (4.0 km) downstream from Joe B. Hogsett Dam, and 8 mi (12.9 km) upstream from the mouth.

DRAINAGE AREA: 1,011 mi<sup>2</sup> (2,618.5 km<sup>2</sup>).

PERIOD OF RECORD: November 1964 to September 1971.

GAGE: Water-stage recorder. Datum of gage is 252.33 ft (76.9 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 8 years, 36,891 ac-ft/yr (45.5 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1964-71): Maximum discharge, 2,010 ft<sup>3</sup>/s (56.9 m<sup>3</sup>/s) May 19, 1965 (gage height, 15.0 ft or 4.6 m); maximum gage height, 26.1 ft (7.0 m) May 9, 1969; no flow at times.

REMARKS: Records poor. The flow is regulated by Cedar Creek Reservoir (station 08063010).

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	-	-	-	-	-	-	12.0	28.0	-
1965	332	68110	24500	7530	71010	62070	1640	0	0	0	0	0	235192
1966	3.00	604	70.0	1440	201	11.0	3.80	190	8.70	8.60	16.0	31.0	2587
1967	47.0	51.0	17.0	147	192	38.0	15.0	8.60	512	1150	149	434	2761
1968	299	386	297	360	1590	192	61.0	44.0	62.0	69.0	185	211	3756
1969	180	1530	2280	2750	2090	98.0	30.0	28.0	48.0	83.0	124	745	9986
1970	179	818	493	57.0	51.0	57.0	11.0	12.0	74.0	985	72.0	32.0	2841
1971	48.0	84.0	103	69.0	38.0	16.0	41.0	215	73.0	-	-	-	-
MAX	332	68110	24500	7530	71010	62070	1640	215	512	1150	185	745	235192
MIN	3.00	51.0	17.0	57.0	38.0	11.0	3.80	0	0	0	0	0	2587
MEAN	155	10226	3966	1765	10739	8926	257	71.1	111	383	79.7	212	36891
NO.	7	7	7	7	7	7	7	7	7	6	7	7	6
DISTR OF MEAN	.4%	27.7%	10.7%	4.6%	29.1%	24.2%	.7%	.2%	.3%	1.0%	.2%	.6%	100%

TRINITY RIVER BASIN

08063050 Navarro Mills Lake near Dawson, Texas

LOCATION: Lat 31°57'27", long 96°41'21", Navarro County, in the left abutment of the spillway of Navarro Mills Dam on Richland Creek, 1.7 mi (2.7 km) upstream from the bridge on State Highway 31, 3.0 mi (4.8 km) upstream from the St. Louis-Southwestern Railway Co. bridge, 4.2 mi (6.8 km) upstream from Post Oak Creek, and 4.6 mi (7.4 km) north of Dawson.

DRAINAGE AREA: 320 mi<sup>2</sup> (829 km<sup>2</sup>).

PERIOD OF RECORD: August 1962 to December 1975. Prior to October 1970, published as "Navarro Mills Reservoir".

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Oct. 8, 1962, nonrecording gage in the low-water channel at the same datum.

EXTREMES: Period of record (1962-75): Maximum contents, 183,300 ac-ft (226 hm<sup>3</sup>) May 18, 1968 (elevation, 440.36 ft or 134.222 m); minimum contents since the initial filling in May 1965, 48,840 ac-ft (60.2 hm<sup>3</sup>) Apr. 10, 1967 and Oct. 18, 1972 (elevation 421.47 ft or 128.464 m).

REMARKS: The lake is formed by a rolled earthfill dam 7,570 ft (2,310 m) long, including an off-channel 240-foot (73-m) gated spillway with six 40- by 29-foot (12- by 9-m) tainter gates. The capacity of the lake is 63,300 ac-ft (78.0 hm<sup>3</sup>). From Aug. 27, 1962 to Mar. 14, 1963, the lake was operated as a detention basin only. Deliberate impoundment began on Mar. 15, 1963 and the dam was completed in September 1963. The low-flow outlet works consist of two 36-inch diameter (914-millimeter) gate-controlled conduits. The lake was built for flood control and water conservation. 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
1962	-	-	-	-	-	-	-	27.0	1610	5800	3760	4280
1963	3560	3360	3320	9380	11640	11100	9860	8760	8080	7520	7460	7370
1964	7660	7680	9280	9280	9130	8440	7390	6800	6430	6100	6530	6560
1965	7310	15360	18640	18820	83790	61820	57240	53950	52360	50020	50790	50250
1966	49610	50890	50840	135200	135300	63430	60080	59190	58110	55560	53760	52780
1967	51710	50560	49470	53010	54230	62770	60420	56470	63020	113700	70750	64350
1968	72550	65060	68820	68190	154600	108500	62620	59830	58840	57630	59930	63680
1969	62720	64760	75000	63580	93580	61920	57630	56180	54140	53600	53360	58870
1970	59500	76030	65230	65180	63100	61330	57600	53880	55050	69230	63150	62140
1971	61330	63150	61730	67000	67000	61980	60530	60180	57500	61020	62190	71850
1972	64920	63250	62590	61680	61000	58380	55850	52710	50260	53500	59360	60040
1973	69220	63350	63150	119800	70230	94620	65130	61070	60820	74700	63350	63100
1974	64770	63400	61980	61830	60280	57550	53410	57940	66520	127200	120300	63400
1975	63860	63380	63890	73050	135400	63130	61720	58600	56660	54090	52040	51760
MAX	72550	76030	75000	135200	154600	108500	65130	61070	66520	127200	120300	71850
MIN	3560	3360	3320	9280	9130	8440	7390	27.0	1610	5800	3760	4280
MEAN	49132	50018	50303	62000	76868	59613	51498	46113	46386	56405	51909	48602
NO.	13	13	13	13	13	13	13	14	14	14	14	14
DISTR												
OF MEAN	7.6%	7.7%	7.8%	9.6%	11.8%	9.2%	7.9%	7.1%	7.1%	8.7%	8.0%	7.5%



**TRINITY RIVER BASIN**  
**08063200 Pin Oak Creek near Hubbard, Texas**

LOCATION: Lat 31°48'01", long 96°43'02". Limestone County, 85 ft (25.9 m) downstream from the bridge on State Highway 171, 5.8 mi (9.3 km) southeast of Hubbard, and 11 mi (17.7 km) upstream from Elm Creek.

DRAINAGE AREA: 17.6 mi<sup>2</sup> (45.6 km<sup>2</sup>).

PERIOD OF RECORD: September 1956 to September 1972.

GAGE: Water-stage recorder. Datum of gage is 1,240.97 ft (378.2 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 17 years, 7,598 ac-ft/yr (9.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1956-72): Maximum discharge, 4,340 ft<sup>3</sup>/s (122.9 m<sup>3</sup>/s) August 24, 1958 (gage height, 13.86 ft or 4.2 m); no flow at times.

Maximum stage since at least 1900, about 17 ft (5.2 m) in August 1919, 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
1956	-	-	-	-	-	-	-	-	0	0	1740	13.0	-
1957	46.0	395	779	9850	3560	1380	0	0	11.0	645	339	0	17005
1958	57.0	61.0	8.50	243	1190	0	0	2300	646	98.0	42.0	37.0	4683
1959	12.0	742	43.0	1090	1620	4330	80.0	0	0	1900	84.0	1560	11461
1960	994	174	130	220	139	259	0	272	0	990	104	4450	7732
1961	4620	2400	645	220	22.0	3130	18.0	0	115	11.0	1890	757	13828
1962	25.0	533	113	1520	167	791	.20	0	52.0	0	0	0	3201
1963	0	0	0	44.0	4.20	3.00	0	0	0	0	0	0	51.2
1964	.20	0	11.0	0	0	0	0	0	77.0	0	0	0	88.2
1965	113	341	755	482	6110	249	0	0	18.0	.04	154	24.0	8246
1966	16.0	401	38.0	6760	2330	2.50	0	87.0	568	14.0	0	0	10217
1967	0	0	.20	684	124	1560	0	0	659	1690	2700	1740	9157
1968	1860	996	1620	3280	6040	4050	441	17.0	0	0	54.0	78.0	18436
1969	2.90	369	998	2090	1860	1.90	0	0	0	109	29.0	863	6323
1970	272	1340	2680	82.0	13.0	.80	0	0	1490	116	12.0	3.80	6010
1971	4.90	9.1	2.50	11.0	3.90	0	0	17.0	12.0	54.0	109	2200	2423
1972	930	100	9.00	25.0	5.00	3.00	63.0	0	0	-	-	-	-
MAX	4620	2400	2680	9850	6110	4330	441	2300	1490	1900	2700	4450	18436
MIN	0	0	0	0	0	0	0	0	0	0	0	0	51.2
MEAN	560	491	490	1663	1449	985	37.6	168	215	352	454	733	7598
NO.	16	16	16	16	16	16	16	16	17	16	16	16	15
DISTR OF MEAN	7.4%	6.5%	6.4%	21.9%	19.1%	13.0%	.5%	2.2%	2.8%	4.6%	6.0%	9.6%	100%

TRINITY RIVER BASIN

08063500 Richland Creek near Richland, Texas

LOCATION: Lat 31°57'00", long 96°25'17", Navarro County, at the bridge on U.S. Highway 75, 800 ft (240 m) downstream from the Texas and New Orleans Railroad Co. bridge, 1.0 mi (1.6 km) north of Richland, and 3.5 mi (5.6 km) downstream from Pin Oak Creek.

DRAINAGE AREA: 734 mi<sup>2</sup> (1,901 km<sup>2</sup>).

PERIOD OF RECORD: April 1939 to December 1975.

GAGE: Water-stage recorder with a low-water concrete control. Datum of gage is 299.12 ft (91.172 m) above mean sea level, datum of 1929. Dec. 11, 1924 to Feb. 11, 1925, nonrecording gage at site 800 ft (240 m) upstream. Mar. 17, 1939 to Feb. 14, 1958, water-stage recorder at site 50 ft (15 m) upstream. Feb. 15, 1958 to Jan. 28, 1959, nonrecording gage at present site. June 8, 1955 to Feb. 14, 1958, and since Feb. 6, 1959, supplementary water-stage recorder in the overflow channel 3,900 ft (1,190 m) to the right of the main channel gage. All gages at present datum.

AVERAGE DISCHARGE: 37 years, 281,215 ac-ft/yr (346.7 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1939-75): Maximum discharge, 58,900 ft<sup>3</sup>/s (1,670 m<sup>3</sup>/s) May 12, 1948 (gage height, 24.16 ft or 7.364 m); no flow at times.

Maximum stage since at least 1899, 25.5 ft (7.77 m) in December 1913 (discharge not determined), from information by the Texas and New Orleans Railroad Co.

REMARKS: Records good. Since October 1962, the flow is partly regulated by Navarro Mills Lake (station 08063050) located 25 mi (40 km) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1939	-	-	-	2830	12010	98140	2170	40	0	0	0	0	-
1940	0	1740	91.0	42530	4840	9730	31760	108	0	0	175800	74070	340669
1941	25240	107400	71030	36240	71120	93440	88020	2340	460	7440	1090	3120	566940
1942	1450	1990	2730	241200	21590	19880	1180	1630	71660	15180	20310	28750	427550
1943	7820	2020	20240	25790	128400	20950	591	46.0	785	35490	137	3600	245869
1944	44310	87550	29720	16030	251400	20300	954	22.0	0	18.0	3590	33020	486914
1945	67070	87060	222900	122400	5640	36740	67830	7570	3510	50820	9190	25450	706180
1946	33970	68840	32070	14570	192400	19740	1160	1720	228	360	25580	14020	404658
1947	114800	10650	72820	54540	15180	7830	96.0	5.40	156	8.0	0	533	276611
1948	2000	6470	39960	6950	147000	1540	5290	14.0	0	0	0	0	209224
1949	2650	3710	10040	10050	13740	5430	4810	632	0	5540	21.0	0	56623
1950	4130	72960	3260	37460	14530	2540	2050	1.20	457	1.00	0	0	137389
1951	247	3200	219	306	4030	21790	35.0	0	9690	0	0	0	39517
1952	0	3870	6900	46480	45020	1100	254	0	0	0	4260	24060	131944
1953	8330	1610	67390	13750	189700	747	1040	0	3280	6400	1180	17290	310717
1954	9930	144	64.0	545	22810	41.0	0	16.0	0	352	1240	32.0	35174
1955	1010	10710	10640	3630	6170	7620	571	1850	1440	554	0	0	44195
1956	1560	13360	1.40	49.0	62300	5380	21.0	0	0	0	12690	9.68	96329
1957	574	15860	19390	393700	147400	36730	362	0	0	27230	66060	4590	711896
1958	12570	6380	10290	26470	176800	1180	4670	11630	19900	6300	51.0	2000	278241
1959	813	20820	2400	38250	70600	125300	4370	459	802	56540	5220	45410	370984
1960	86780	14190	8300	5430	12000	13310	885	2560	4.00	8610	3480	143600	299149
1961	179600	102100	52760	7570	3270	53620	37130	1040	2920	2410	51590	23280	517290
1962	3460	11300	5030	30570	7090	30040	2920	0	2650	27820	3800	1880	126560
1963	1210	513	366	9670	2470	190	0	0	0	0	0	0	14419
1964	235	422	510	57.0	64.0	1.20	0	0	0	0	0	0	1289
1965	1420	7080	13490	6500	139300	26760	991	1150	1580	1160	2830	1500	203761
1966	1450	12470	2140	173700	74470	72530	938	3040	2700	524	506	627	345095
1967	594	504	576	4520	998	28610	555	388	38960	50290	116900	65280	308175
1968	64780	50490	58570	101800	178800	110700	50630	186	60.0	12.0	427	4760	621215
1969	1640	25150	55010	68450	116600	42350	236	8.50	21.0	785	2260	21630	334141
1970	4730	29710	121500	6850	2040	321	.30	56.0	4680	5800	6200	575	162462
1971	30.0	25.0	47.0	308	2530	1890	268	45.0	406	3180	10540	92330	111599
1972	60470	6020	985	107	230	244	870	70.0	63.0	6080	1620	2780	79539
1973	28910	24940	51400	82130	63910	88550	45000	2540	708	62130	19020	10780	480018
1974	21200	10180	6980	331	4190	256	413	3140	52260	21000	168200	83670	371820
1975	22930	70580	15620	75070	114000	92200	6090	603	714	877	905	366	399955
MAX	179600	107400	222900	393700	251400	125300	88020	11630	71660	62130	175800	143600	711896
MIN	0	25.0	1.40	49.0	64.0	1.20	0	0	0	0	0	0	1289
MEAN	22720	24778	28207	46131	62828	29668	9842	1159	5948	10889	19316	19729	281215
NO.	36	36	36	37	37	37	37	37	37	37	37	37	36
DISTR OF MEAN	8.1%	8.8%	10.0%	16.4%	22.3%	10.5%	3.5%	.4%	2.1%	3.9%	6.9%	7.0%	100%

**TRINITY RIVER BASIN**  
**08063700 Bardwell Lake near Ennis, Texas**

LOCATION: Lat 32°15'00", long 96°38'49", Ellis County, in the intake structure of Bardwell Dam on Waxahachie Creek, 5 mi (8 km) south of Ennis, and 5.6 mi (9.0 km) upstream from the mouth.

DRAINAGE AREA: 178 mi<sup>2</sup> (461 km<sup>2</sup>).

PERIOD OF RECORD: November 1965 to December 1975. Prior to October 1970, published as "Bardwell Reservoir".

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Apr. 25, 1966, nonrecording gage in the intake structure at same datum.

EXTREMES: Period of record (1965-75): Maximum contents, 103,300 ac-ft (127.4 hm<sup>3</sup>) May 19, 1969 (elevation, 432.35 ft or 131.760 m); minimum contents since the initial filling, 45,840 ac-ft (56.5 hm<sup>3</sup>) Sept. 4, 1967 (elevation, 418.35 ft or 127.513 m).

REMARKS: The lake is formed by a rolled earthfill dam 15,400 ft (4,690 m) long, including a 350-foot (107-m) uncontrolled off-channel concrete gravity spillway with an ogee weir section. The capacity of the lake is 54,900 ac-ft (67.7 hm<sup>3</sup>). Deliberate impoundment began on Nov. 20, 1965 and the dam was completed on Mar. 27, 1966. The controlled low-flow outlet works consist of a 10.0-foot diameter (3.0-m) concrete conduit with two 5.0- by 10.0-foot (1.5- by 3.0-m) sluice gates. The lake was built for flood control and water conservation. 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	-	-	-	-	-	-	-	-	-	-	1510	1870
1966	2430	4060	5400	44270	80090	54800	53850	52900	52760	51320	50600	50330
1967	50060	49520	49140	49650	49650	48970	48190	46130	47470	63820	55010	55740
1968	57840	56210	55770	55410	73210	58210	55010	53250	52930	52400	54340	54980
1969	54480	55960	70500	54230	77010	54270	51770	49790	49450	50160	49820	52330
1970	53810	64130	53810	78770	55230	54690	52300	50640	51380	65720	55920	54940
1971	54870	55990	55050	56500	55450	53950	52930	52900	51520	68220	56030	64330
1972	55410	54650	54650	54650	54160	53460	51630	49680	49350	50190	51450	52400
1973	56240	54800	55120	99440	55050	56930	58350	54580	59090	59660	55010	54940
1974	56210	55160	54690	54370	54370	52760	50230	49990	50910	69130	58390	54900
1975	55260	54790	55870	55870	83840	54900	55260	53270	51800	50350	49400	49570
MAX	57840	64130	70500	99440	83840	58210	58350	54580	59090	69130	58390	64330
MIN	2430	4060	5400	44270	49650	48970	48190	46130	47470	50160	1510	1870
MEAN	49661	50527	51000	60316	63806	54294	52952	51313	51666	58097	48862	49666
NO.	10	10	10	10	10	10	10	10	10	10	11	11
DISTR												
OF MEAN	7.7%	7.9%	7.9%	9.4%	9.9%	8.5%	8.2%	8.0%	8.0%	9.0%	7.6%	7.7%

TRINITY RIVER BASIN

08063800 Waxahachie Creek near Bardwell, Texas

LOCATION: Lat 32°14'36", long 96°38'24", Ellis County, 0.8 mi (1.3 km) downstream from Bardwell Dam, 3.6 mi (5.8 km) southeast of Bardwell, 3.8 mi (6.1 km) downstream from the bridge on State Highway 34, and 4.1 mi (6.6 km) upstream from the mouth.

DRAINAGE AREA: 178 mi<sup>2</sup> (461 km<sup>2</sup>).

PERIOD OF RECORD: October 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 370.18 ft (112.831 m) above mean sea level.

AVERAGE DISCHARGE: 13 years, 58,541 ac-ft/yr (72.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 2,960 ft<sup>3</sup>/s (83.8 m<sup>3</sup>/s) Feb. 9, 1965 (gage height, 17.55 ft or 5.35 m); no flow at times most years.

Maximum stage since at least 1944, about 23 ft (7.0 m) in 1944 and 1945, from information by the Corps of Engineers.

REMARKS: Records good. The flow is regulated by Bardwell Lake (station 08063700) located 0.8 mi (1.3 km) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1963	-	-	-	-	-	-	-	-	-	0	0	9.9	-
1964	104	209	592	1750	1480	782	2,600	0	390	36.0	3230	1240	9816
1965	2130	12070	3430	1630	16120	2010	246	5.40	19.0	1.80	80.0	1.60	37744
1966	4.60	7.20	14.0	813	6480	22690	0	0	0	0	9.3	3.20	30021
1967	1.30	1.20	1.50	11.0	10.0	.20	2.40	0	5.20	829	18140	8310	27312
1968	15650	12600	22530	13770	12100	26420	3550	0	0	0	40.0	3030	109690
1969	1270	3890	9180	26950	32670	24420	4.10	0	1.20	22.0	.90	48.0	98456
1970	5.70	3020	34340	442	22390	15.0	21.0	100	35.0	185	10180	1700	72434
1971	128	59.0	475	14.0	1470	261	3.30	2.60	12.0	2520	11980	19150	36075
1972	20360	2160	128	52.0	12.0	5.00	3.00	25.0	37.0	56.0	4.00	7.00	22849
1973	5680	8910	16280	5490	50840	14280	3560	4420	13.0	18390	9920	2880	140663
1974	5730	3300	1430	89.0	5330	70.0	175	154	97.0	305	23830	8430	48940
1975	4200	20900	3890	13150	6750	26300	1380	522	162	168	106	91.0	79619
MAX	20360	20900	34340	26950	50840	28300	3560	4420	390	18390	23830	19150	140663
MIN	1.30	1.20	1.50	11.0	10.0	.20	0	0	0	0	0	1.60	9816
MEAN	4605	5594	7691	5347	12971	9938	746	436	64.3	1732	5963	3454	58541
NO.	12	12	12	12	12	12	12	12	12	13	13	13	12
DISTR OF MEAN	7.9%	9.6%	13.1%	9.1%	22.2%	17.0%	1.3%	.7%	.1%	3.0%	10.2%	5.9%	100%

TRINITY RIVER BASIN

08064000 Chambers Creek near Emhouse, Texas

LOCATION: Lat 32°13', long 96°37', Navarro County, at the Ennis-Corsicana Highway bridge, 200 ft (61.0 m) below its confluence with Waxahachie Creek, and 4 mi (6.4 km) north of Emhouse.

DRAINAGE AREA: 818 mi<sup>2</sup> (2,118.6 km<sup>2</sup>).

PERIOD OF RECORD: March and June 1925 only.

GAGE: Chain gage. Datum of gage is 420 ft (128.0 m) above mean sea level.

REMARKS: There is some regulation at extremely low stages from a dam on Waxahachie Creek located 10 mi (16.1 km) upstream.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1925	-	-	58.1	-	-	0	-	-	-	-	-	-	-
MAX	-	-	58.1	-	-	0	-	-	-	-	-	-	-
MIN	-	-	58.1	-	-	0	-	-	-	-	-	-	-
MEAN	-	-	58.1	-	-	0	-	-	-	-	-	-	58.6
NO.	0	0	1	0	0	1	0	0	0	0	0	0	0
DISTR OF MEAN	.0%	.0%	****%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	100%

TRINITY RIVER BASIN

08064500 Chambers Creek near Corsicana, Texas

LOCATION: Lat 32°06'29", long 96°22'14", Navarro County, at the bridge on State Highway 31, 430 ft (131 m) upstream from the St. Louis-Southwestern Railway Co. bridge, 6,000 ft (1,829 m) upstream from the City of Corsicana diversion dam, and 5.3 mi (8.5 km) east of Corsicana.

DRAINAGE AREA: 963 mi<sup>2</sup> (2,494 km<sup>2</sup>).

PERIOD OF RECORD: April 1939 to December 1975.

GAGE: Water-stage recorder and concrete control. Datum of gage is 294.28 ft (89.696 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 37 years, 329,200 ac-ft/yr (405.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1939-75): Maximum discharge, 48,000 ft<sup>3</sup>/s (1,360 m<sup>3</sup>/s) May 3, 1944; maximum gage height, 28.10 ft (8.565 m) May 3, 1958; no flow at times.

Maximum stage since at least 1870, 30 ft (9.1 m) Aug. 27, 1887, from information by local residents.

REMARKS: Records good. The flow is partly regulated by Bardwell Lake (station 08063700) since November 1965.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1939	-	-	-	6360	10890	84040	3890	97.0	2.00	0	5.40	3.60	-
1940	22.0	4780	784	73930	36000	56550	86640	1350	15.0	40.0	122300	96980	479391
1941	34150	133200	67420	46220	78490	101800	57630	12380	710	17870	5170	12790	567830
1942	4170	10050	12220	365900	104800	61480	3750	21150	76920	56080	26830	35880	779230
1943	11540	4770	33180	31470	86670	44180	2210	42.0	68990	19600	412	4160	307224
1944	27580	82630	34540	14450	268300	36920	5440	222	321	758	6860	53720	531741
1945	60230	123900	255300	138000	11440	148100	47250	2010	453	17070	10800	1850	816403
1946	26810	84820	29330	14400	69960	49960	1830	10790	1880	769	45330	20020	355899
1947	46430	8470	29710	49250	8020	65210	981	4970	10820	709	3520	38910	267000
1948	24240	29150	26200	16420	103800	7500	13670	9.1	0	0	108	185	221282
1949	14640	60690	29210	23280	33210	13800	1190	671	0	2010	146	89.0	178936
1950	3150	98350	6920	42870	58540	4560	4170	308	711	6.50	0	0	219586
1951	628	4300	202	349	4170	48740	243	0	0	17.0	0	0	58649
1952	0	1400	1600	101700	59770	1850	51.0	0	0	0	12310	37590	216271
1953	8660	1470	26340	10670	93740	400	1080	52.0	85.0	1160	609	4400	148666
1954	3040	346	23.0	700	13500	16.0	0	0	0	1840	2860	0	22325
1955	2.60	3850	6820	7300	9720	9530	0	5590	9010	130	0	0	51953
1956	926	9260	32.0	444	15610	3340	0	555	123	355	11570	776	42991
1957	1400	8220	5400	254600	206600	32920	490	145	702	43170	117500	9060	680207
1958	19820	8120	34740	94040	253400	2260	6430	4930	89580	6280	3190	4570	527360
1959	1790	30590	6800	34620	104100	119300	11720	1310	584	85580	7440	75650	479484
1960	106400	23950	12000	5030	6360	4040	372	6610	63.0	1860	440	119900	287025
1961	140500	111900	62720	12700	6560	80440	17420	594	1650	4160	36930	35170	510744
1962	8370	10880	5840	13420	9580	19770	3280	29.0	8490	26790	6160	7560	120169
1963	4150	1720	3350	11940	18590	1840	82.0	0	0	0	0	0	41672
1964	92.0	293	2730	6600	3270	1110	0	0	651	179	12340	1460	28725
1965	6540	55920	10960	4890	154800	6190	292	0	10.0	1.20	1750	372	241725
1966	429	3940	2730	183200	118900	24430	195	1660	3280	2280	2.10	22.0	341068
1967	75.0	88.0	65.0	1950	2830	9160	6160	20	12360	87440	78670	44040	242838
1968	75850	45010	100600	66300	179800	63450	6950	263	289	1840	3670	14560	558582
1969	3170	24680	70620	40930	290100	26720	126	0	7.50	2030	859	10110	469353
1970	3620	36000	131200	44660	36990	13100	324	2.20	1640	55140	17710	3020	343406
1971	954	3210	2310	8030	3610	488	640	2080	6.50	56090	21330	136400	235149
1972	70330	8010	1970	2020	1880	216	337	79.0	233	9410	8550	2210	105245
1973	38370	28820	61600	204100	78680	156700	16000	6870	18250	64050	23300	11040	707780
1974	24300	9780	4360	2240	25540	1640	79.0	1690	10660	18350	186900	30690	316229
1975	21480	109600	28670	89620	157300	72090	5350	1190	1090	241	196	418	487245
MAX	140500	133200	255300	365900	290100	156700	86640	21150	89580	87440	186900	136400	816403
MIN	0	88.0	23.0	349	1880	16.0	0	0	0	0	0	0	22325
MEAN	22052	32838	30792	54719	73663	37131	8278	2369	8637	15765	20967	21989	329200
NO.	36	36	36	37	37	37	37	37	37	37	37	37	36
DISTR OF MEAN	6.7%	10.0%	9.4%	16.6%	22.4%	11.3%	2.5%	.7%	2.6%	4.8%	6.4%	6.7%	100%

TRINITY RIVER BASIN

08064600 Richland Creek near Fairfield, Texas

LOCATION: Lat 31°57'05", long 96°05'52", Freestone County, at the bridge on Farm Road 488, 5.8 mi (9.3 km) upstream from the mouth, 9.0 mi (14.5 km) downstream from Chambers Creek, and 16 mi (26 km) north of Fairfield.

DRAINAGE AREA: 1,957 mi<sup>2</sup> (5,069 km<sup>2</sup>).

PERIOD OF RECORD: March 1972 to December 1975.

GAGE: Nonrecording gage. Datum of gage is 230.83 ft (70.357 m) above mean sea level, datum of 1929.

EXTREMES: Period of record (1972-75): Maximum discharge, 29,500 ft<sup>3</sup>/s (835 m<sup>3</sup>/s) Apr. 26, 1973 (gage height, 28.76 ft or 8.766 m); minimum daily, 0.02 ft<sup>3</sup>/s (0.001 m<sup>3</sup>/s) July 26 and Aug. 26 to Sept. 2, 1972.

Flood in December 1971 reached a stage of 31.5 ft (9.60 m) from floodmark.

REMARKS: Records good except during periods of backwater caused by high flows of the Trinity River. The flow is partly regulated by Navarro Mills Lake and Bardwell Lake (stations 08063050 and 08063700) on Waxahachie Creek.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1972	-	-	3360	1480	3760	1610	1850	195	1090	22520	12620	8100	-
1973	61610	67560	167600	263100	189000	273900	53210	10540	23560	138000	50610	26220	1324910
1974	48820	22280	13070	3670	34920	2740	798	4200	74800	13030	422400	133500	774228
1975	51180	206900	50260	168800	306100	203500	16450	2820	2170	1510	1500	1200	1012390
MAX	61610	206900	167600	263100	306100	273900	53210	10540	74800	138000	422400	133500	1324910
MIN	48820	22280	3360	1480	3760	1610	798	195	1090	1510	1500	1200	774228
MEAN	53870	98913	58573	109263	133445	120438	18077	4439	25405	43765	121783	42255	830226
NO.	3	3	4	4	4	4	4	4	4	4	4	4	3
DISTR OF MEAN	6.5%	11.9%	7.1%	13.2%	16.1%	14.5%	2.2%	.5%	3.1%	5.3%	14.7%	5.1%	100%

**TRINITY RIVER BASIN**  
**08064700 Tehuacana Creek near Streetman, Texas**

LOCATION: Lat 31°50'54", long 96°17'23", Freestone County, at the bridge on U.S. Highway 75, 2.8 mi (4.5 km) southeast of Streetman, 3.1 mi (5.0 km) downstream from the Chicago, Rock Island, and Pacific Railroad Co. bridge, and 3.8 mi (6.1 km) upstream from Caney Creek.

DRAINAGE AREA: 142 mi<sup>2</sup> (368 km<sup>2</sup>).

PERIOD OF RECORD: April 1968 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 287.58 ft (87.654 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 8 years, 57,002 ac-ft/yr (70.3 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1968-75): Maximum discharge, 23,100 ft<sup>3</sup>/s (654 m<sup>3</sup>/s) May 10, 1968 (gage height, 25.00 ft or 7.620 m); no flow at times most years.

Maximum stage since at least 1932, that of May 10, 1968.

REMARKS: Records good.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1968	-	-	-	15630	32910	12550	337	11.4	36.3	3.80	560	1180	-
1969	1120	7210	19950	9120	7260	34.0	.50	0	.80	206	6010	14640	65551
1970	2070	3400	3050	2750	54.0	39.0	.30	0	1450	5920	49.0	13.0	18795
1971	7.40	203	30.0	0	1.30	2.50	3.30	6.20	2930	4480	7550	23010	38224
1972	16320	442	165	22.0	22.0	638	458	3.00	4.00	698	825	3290	22887
1973	8050	1100	15020	17100	229	20090	490	.10	1430	23310	2380	3550	92749
1974	9150	3150	5580	363	1760	15.0	1.00	162	32560	5350	22100	8630	88821
1975	2840	14100	2620	3270	25450	617	146	4.90	9.6	22.0	13.0	1.60	49252
MAX	16320	14100	19950	17100	32910	20090	490	162	32560	23310	22100	23010	92749
MIN	7.40	203	30.0	0	1.30	2.50	.30	0	.80	3.80	13.0	13.0	18795
MEAN	5651	4229	6631	6032	8461	4248	180	23.4	4803	4999	4936	6809	57002
NO.	7	7	7	8	8	8	8	8	8	8	8	8	7
DISTR OF MEAN	9.9%	7.4%	11.6%	10.6%	14.8%	7.5%	.3%	.0%	8.4%	8.8%	8.7%	11.9%	100%

TRINITY RIVER BASIN

08064800 Catfish Creek near Tennessee Colony, Texas

LOCATION: Lat 31°52'51", long 95°52'07", Anderson County, 47 ft (14 m) downstream from the bridge on U.S. Highway 287, 2 mi (3 km) upstream from Beaver Creek, 3.5 mi (5.6 km) northwest of Tennessee Colony, 12 mi (19 km) downstream from Coon Creek Lake, and 12 mi (19 km) upstream from the mouth.

DRAINAGE AREA: 207 mi<sup>2</sup> (536 km<sup>2</sup>).

PERIOD OF RECORD: May 1962 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 234.93 ft (71.607 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 14 years, 74,374 ac-ft/yr (91.7 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1962-75): Maximum discharge 7,550 ft<sup>3</sup>/s (214 m<sup>3</sup>/s) May 11, 1968 (gage height, 15.90 ft or 4.846 m); minimum daily, 0.8 ft<sup>3</sup>/s (0.023 m<sup>3</sup>/s) Aug. 19-21, 1964.

Maximum stage since 1927, 22 ft (6.7 m) in June 1944 as a result of a dam failure at Coon Creek Lake, from information by local residents.

REMARKS: Records good. There is some regulation upstream by Coon Creek Lake. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1962	-	-	-	-	3780	2560	2260	283	1370	2510	2940	4200	-
1963	4290	3640	6060	2760	2250	1010	371	375	329	261	537	1810	23693
1964	2510	3510	6130	2830	1410	2280	391	89.0	215	288	343	1130	21126
1965	3450	9370	4960	6840	16570	2810	1090	404	350	399	1260	2690	50193
1966	3430	4030	3790	40730	21880	1330	311	2360	4090	2860	3100	3610	91521
1967	3790	3000	2930	9950	2340	2500	1090	988	1180	683	3310	7130	38891
1968	15510	13750	17420	18120	41450	8560	3450	1270	4170	1910	4790	10110	140510
1969	7460	14220	21430	24950	16940	2200	312	217	417	1120	5630	10860	105756
1970	7340	9070	14240	10530	2640	1440	619	610	1150	2850	2690	4030	57209
1971	3250	4140	3430	1930	1510	364	257	1020	1270	2420	4450	13090	37131
1972	13670	7830	4260	1930	1190	1490	755	494	325	3890	11040	10860	57734
1973	11400	12200	22410	31480	9540	32100	5070	2350	6480	11170	8650	14520	167370
1974	19510	13140	7190	5620	7020	2830	1250	1220	8990	3340	19050	13420	102580
1975	12680	21250	10770	11200	12500	6280	3540	1230	988	1470	2010	3600	87518
MAX	19510	21250	22410	40730	41450	32100	5070	2360	8990	11170	19050	14520	167370
MIN	2510	3000	2930	1930	1190	364	257	89.0	215	261	343	1130	21126
MEAN	8330	9165	9617	12990	10073	4840	1483	922	2237	2512	4986	7219	74374
NO.	13	13	13	13	14	14	14	14	14	14	14	14	13
DISTR OF MEAN	11.2%	12.3%	12.9%	17.5%	13.5%	6.5%	2.0%	1.2%	3.0%	3.4%	6.7%	9.7%	100%

TRINITY RIVER BASIN

08065000 Trinity River near Oakwood, Texas

LOCATION: Lat 31°38'54", long 95°47'21", Anderson-Freestone County line, at the bridge on U.S. Highways 79 and 84, 1.5 mi (2.4 km) upstream from the Missouri-Pacific Railroad Co. bridge, and 6 mi (10 km) northeast of Oakwood.

DRAINAGE AREA: 12,833 mi<sup>2</sup> (33,237 km<sup>2</sup>).

PERIOD OF RECORD: October 1923 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 175.06 ft (53.358 m) above mean sea level, datum of 1929. Prior to July 15, 1932, nonrecording gage at site 1.5 mi (2.4 km) downstream at datum 1.06 ft (0.323 m) lower. July 15, 1932 to Oct. 7, 1934, nonrecording gage at present site and datum.

AVERAGE DISCHARGE: 53 years, 3,512,972 ac-ft/yr (4,331.5 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1923-75): Maximum discharge, 153,000 ft<sup>3</sup>/s (4,330 m<sup>3</sup>/s) Apr. 29, 1942 (gage height, 51.64 ft or 15.740 m); minimum, 28 ft<sup>3</sup>/s (0.79 m<sup>3</sup>/s) Aug. 24, 1925.

Flood in May 1890 reached a stage of 53 ft or 16.2 m (discharge, about 180,000 ft<sup>3</sup>/s or 5,100 m<sup>3</sup>/s) and was the highest since that date, from information in local newspapers.

REMARKS: Records fair. There are twenty-one major reservoirs above the station with a combined capacity of 4,200,000 ac-ft (5,178.6 hm<sup>3</sup>), of which 1,362,000 ac-ft (1,679.3 hm<sup>3</sup>) is flood control, which partly regulate the flow.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1923	-	-	-	-	-	-	-	-	-	40800	71500	129000	-
1924	385000	278000	985000	391000	326000	375000	5530	4780	95800	5230	5980	10300	2867620
1925	15100	12400	14900	16600	370000	9010	4560	3860	8200	94700	228000	9010	786340
1926	308000	39700	483000	600000	639000	284000	556000	253000	199000	87900	55500	381000	3886100
1927	332000	396000	762000	864000	594000	339000	166000	18200	14500	271000	22900	68900	3848500
1928	84900	225000	192000	409000	212000	403000	202000	80500	7440	6460	45400	46700	2334700
1929	428000	173000	357000	287000	848000	1350000	32600	7620	38300	36700	76800	264000	3899020
1930	68900	288000	122000	71400	2250000	334000	20600	4550	3740	221000	58100	511000	3953290
1931	139000	325000	453000	274000	247000	77400	27500	12700	12100	37700	43600	88500	1737500
1932	1540000	2020000	1170000	95200	513000	248000	271000	32300	369000	23700	22400	133000	6437600
1933	537000	110000	601000	232000	384000	390000	27600	84800	70800	22900	15300	30800	2506200
1934	170000	97200	439000	702000	162000	34000	8920	5750	12300	6090	53320	60170	1750750
1935	183300	238900	157000	173100	1697000	1214000	283100	60170	88060	117300	125800	473500	4811230
1936	82680	46780	36720	17740	298200	176500	116300	8560	39620	836400	264600	340800	2264900
1937	619400	173500	524100	162500	53100	89840	12040	36900	50670	30940	66660	301200	2120850
1938	946200	1156000	732400	1745000	223200	163100	50320	41920	17380	15970	13170	12260	5116920
1939	59320	149200	117400	248100	140200	278400	46630	12220	7860	7550	12690	9880	1089450
1940	10210	33180	22000	362500	417800	418400	642500	39390	17080	11630	644100	1121000	3739790
1941	731000	561800	793700	355000	894900	1722000	937200	129400	68770	217900	198000	171300	6780970
1942	99180	120500	118100	2575000	2474000	985200	148000	67310	266600	230100	251000	212700	7547690
1943	213300	84970	225300	596700	617200	742700	38840	14540	53600	205100	16680	42480	2851410
1944	270200	480500	759100	196800	2058000	486600	44930	23220	44200	32610	70920	259000	4726080
1945	590800	533600	2487000	2720000	266500	678800	675100	72920	52170	411100	141200	174200	8803390
1946	411000	759500	613700	228200	763900	1334000	49520	82660	127100	46680	1189000	604300	6209560
1947	445300	148100	392500	571000	222000	248400	97650	56740	148800	41660	84370	523300	2979820
1948	356800	328300	852600	135500	713800	89260	150000	39140	33140	26060	18700	23460	2766760
1949	140500	369300	677100	300300	481300	642100	72210	22430	25870	161400	140200	34790	3067500
1950	336500	1485000	184100	385200	1098000	218500	154800	216500	431300	103800	69850	37170	4720720
1951	49420	130300	60930	50860	114200	595500	73640	25040	38410	19920	19970	20250	1198440
1952	23090	39770	62430	327800	449400	205800	16650	10680	11530	8210	57240	216900	1429500
1953	127700	34270	354500	90030	1321000	26690	19320	13540	21550	25110	30960	105000	2169670
1954	113400	33780	19700	51240	196900	19730	13090	13460	8100	132800	93590	30350	726140
1955	52560	120400	129600	133000	114700	63720	16360	19790	31800	17520	9840	14480	723770
1956	25510	95430	17590	18920	262100	25840	7770	6210	6920	8060	70650	16860	561880
1957	24600	89230	116500	1243000	2587000	1996000	476900	399600	62620	379700	821500	235200	8431850
1958	297700	142300	312400	356500	2146000	349600	222400	92150	201700	81630	32620	42820	4277820
1959	33240	204200	95160	304100	691900	360000	164200	41070	24560	562200	108500	469200	3058330
1960	939700	362000	207300	74050	126700	61860	52170	55910	22700	55320	53040	956800	2967550
1961	1037000	685600	439000	276300	87820	358200	216600	31330	44030	41470	151300	257800	3626450
1962	95120	128500	122100	178600	265500	131900	144200	216200	438000	407200	109700	309200	2546220
1963	72300	41960	53900	60000	440000	119100	31890	24180	22090	18100	17310	22320	923150
1964	25500	37610	75540	96120	51770	85020	22470	29000	128400	283800	307700	453800	1596730
1965	182400	631200	350100	191700	1192000	409800	44120	28320	47360	32390	50770	40300	3200460
1966	35580	171200	78030	678200	2283000	552900	282700	72300	75980	77800	32060	38290	4378040
1967	35050	30690	39840	105200	90430	251700	89310	22280	148200	175700	492200	305600	1786200
1968	552600	423900	817500	1041000	1427000	597400	239000	88340	49490	43220	57110	129200	5465760
1969	51930	360600	855000	780000	1797000	612300	101200	37270	44900	54070	91100	178500	4963870
1970	201000	281800	1242000	440100	541700	212000	34110	40440	95130	225000	131300	56260	3500040
1971	42450	45550	84790	64470	49950	45090	37090	91740	37780	435200	317100	1442000	2693210
1972	951100	120900	52520	43400	80220	41380	31370	26780	25630	88110	125200	88030	1674640

TRINITY RIVER BASIN

08065000 Trinity River near Oakwood, Texas--Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1973	236000	302600	692000	814800	980400	1277000	302000	166900	124300	876000	535600	370100	6677700
1974	475800	190600	126600	138700	388000	225000	37330	62450	366400	169300	1541000	1044000	4765180
1975	415400	1167000	486500	767100	752100	842500	213000	111000	40140	38420	38040	47240	4918440
MAX	1540000	2020000	2487000	2720000	2587000	1996000	937200	399600	438000	876000	1541000	1442000	8803390
MIN	10210	12400	14900	16600	49950	9010	4560	3860	3740	5230	5980	9010	561880
MEAN	299995	317400	406986	443078	719248	438393	148660	60732	85022	143521	175493	274444	3512972
NO.	52	52	52	52	52	52	52	52	52	53	53	53	52
DISTR													
OF MEAN	8.5%	9.0%	11.6%	12.6%	20.5%	12.5%	4.2%	1.7%	2.4%	4.1%	5.0%	7.8%	100%

TRINITY RIVER BASIN

08065200 Upper Keechi Creek near Oakwood, Texas

LOCATION: Lat 31°34'11", long 95°53'17", Leon County, 20 ft (6 m) downstream from the bridge on U.S. Highway 79, 1.9 mi (3.1 km) upstream from the Missouri-Pacific Railroad Co. bridge, 2 mi (3 km) southwest of Oakwood, 11 mi (18 km) upstream from Buffalo Creek, and 21 mi (34 km) upstream from the mouth.

DRAINAGE AREA: 150 mi<sup>2</sup> (388 km<sup>2</sup>).

PERIOD OF RECORD: May 1962 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 240.11 ft (73.186 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 14 years, 57,525 ac-ft/yr (70.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1962-75): Maximum discharge, 24,000 ft<sup>3</sup>/s (680 m<sup>3</sup>/s) May 16, 1965 (gage height, 14.91 ft or 4.545 m) and Apr. 25, 1966; no flow at times.

Maximum stage since 1900, about 21 ft (6.4 m) in 1932, 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	-	-	-	-	1080	1350	438	1440	200	160	235	393	-
1963	450	699	625	502	123	290	60	0	0	0	0	220	2651
1964	248	476	1490	1890	343	133	0	0	237	120	166	790	5063
1965	1210	4000	19550	7200	86900	2220	540	97	40	0	640	919	122127
1966	980	1360	1380	34140	8200	134	810	2440	1750	409	281	623	51705
1967	539	473	688	3300	1700	855	165	0	549	850	252	1480	10086
1968	14860	3050	9690	21140	20480	6810	1560	320	1010	268	3410	7960	90270
1969	2570	14410	21930	27650	15720	260	570	50	190	551	2810	14540	100466
1970	3180	8360	8320	12670	684	196	98	40	386	1620	268	530	36224
1971	466	1500	694	501	1360	460	165	747	570	688	2180	17960	26364
1972	12780	1270	730	542	112	146	177	600	100	1950	2120	3170	23004
1973	12640	3920	28370	16670	1750	29650	642	430	1340	22790	9470	12090	139375
1974	22420	7730	5970	3110	5940	478	600	740	14620	5680	30510	7150	103742
1975	6140	17040	3730	6880	19060	3170	1980	329	171	1500	418	943	61361
MAX	22420	17040	28370	34140	86900	29650	1980	2440	14620	22790	30510	17960	139375
MIN	248	473	688	501	112	290	0	0	0	0	0	220	2651
MEAN	6037	4945	7951	10477	11675	3248	376	263	1439	2540	3727	4847	57525
NO.	13	13	13	13	14	14	14	14	14	14	14	14	13
DISTR OF MEAN	10.5%	8.6%	13.8%	18.2%	20.3%	5.6%	.7%	.5%	2.5%	4.4%	6.5%	8.4%	100%

TRINITY RIVER BASIN

08065350 Trinity River near Crockett, Texas

LOCATION: Lat 31°20'08", long 95°39'27", Houston-Leon County line, 30 ft (9 m) downstream from the bridge on State Highway 7, 7.1 mi (11.4 km) downstream from Upper Keechi Creek, and 11.9 mi (19.1 km) west of Crockett.

DRAINAGE AREA: 13,911 mi<sup>2</sup> (36,029 km<sup>2</sup>).

PERIOD OF RECORD: January 1964 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 136.59 ft (41.633 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 12 years, 4,274,823 ac-ft/yr (5,270.8 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 78,000 ft<sup>3</sup>/s (2,210 m<sup>3</sup>/s) May 15, 1969 (gage height, 52.24 ft or 15.923 m); minimum, 275 ft<sup>3</sup>/s (7.79 m<sup>3</sup>/s) Aug. 13, 1964.

Maximum stage since at least 1900, 56.1 ft (17.10 m) Apr. 30 or May 1, 1942, from information by the State Highway Department.

REMARKS: Records fair. For statement regarding regulation by upstream reservoirs, see Trinity River near Oakwood (station 08065000). The flow is also affected by Houston County Lake near Crockett (capacity, 19,500 ac-ft or 24.0 hm<sup>3</sup>). There are several diversions above the station for irrigation, municipal, and industrial uses.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	31600	47390	95980	116600	63020	94590	22990	28420	106900	300700	298600	449700	1656490
1965	186800	674500	379600	280700	1522000	521200	63690	37560	50670	36520	58150	66570	3877960
1966	63530	199700	94530	567800	2728000	575500	297500	95010	91130	82260	36840	44180	4875980
1967	44200	37200	44910	117400	96880	247200	94450	25410	143300	163400	531000	322100	1867450
1968	605600	470600	860700	1221000	1483000	664200	295100	97600	60200	49870	76250	201100	6085220
1969	78800	406800	970800	1038000	1906000	663300	116600	40360	48030	58120	104400	194600	5625810
1970	221900	273000	1333000	519800	581400	229400	34730	40300	89370	193600	143400	58970	3718870
1971	50190	65260	102600	76440	57770	48910	35010	105400	41030	395300	399700	1535000	2912610
1972	1119000	170300	72990	55370	101300	56950	37490	29870	30510	105000	178700	118800	2076280
1973	285600	370300	827200	758800	1237000	1350000	349300	186300	127000	1035000	628900	466000	7623400
1974	674300	253200	166400	163800	452800	242400	45670	73960	412500	176700	1553000	1233000	5447730
1975	490100	1294000	541700	840600	831700	961500	232500	131360	51710	52470	45500	56980	5530060
MAX	1119000	1294000	1333000	1221000	2728000	1350000	349300	186300	412500	1035000	1553000	1535000	7623400
MIN	31600	37200	44910	55370	57770	48910	22990	25410	30510	36520	36840	44180	1656490
MEAN	320968	355188	457534	479693	921739	471263	135419	74291	104363	220745	337870	395750	4274823
NO.	12	12	12	12	12	12	12	12	12	12	12	12	12
DISTR													
OF MEAN	7.5%	8.3%	10.7%	11.2%	21.6%	11.0%	3.2%	1.7%	2.4%	5.2%	7.9%	9.3%	100%

**TRINITY RIVER BASIN**  
**08065500 Trinity River near Midway, Texas**

LOCATION: Lat 31°04'38", long 95°41'57", Madison-Houston County line, at the bridge on State Highway 21, 4.7 mi (7.6 km) northeast of Midway, 8.0 mi (12.9 km) downstream from Boggy Creek, and 22.3 mi (35.9 km) upstream from Bedias Creek.

DRAINAGE AREA: 14,450 mi<sup>2</sup> (37,425.5 km<sup>2</sup>).

PERIOD OF RECORD: April 1939 to October 1970.

GAGE: Nonrecording gage. Datum of gage is 118.05 ft (36.0 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 32 years, 4,137,926 ac-ft/yr (5,102.1 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1939-70): Maximum discharge, 156,000 ft<sup>3</sup>/s (4,417.9 m<sup>3</sup>/s) May 1, 1942 (gage height, 48.58 ft or 14.8 m); minimum observed, 87 ft<sup>3</sup>/s (2.5 m<sup>3</sup>/s) July 27, 1956.

Maximum stage since at least 1866 and prior to the construction of levees in 1916, 45 ft (13.7 m) in May 1890. Floods in 1866 and June 9, 1908 were about the same stage, from information by local residents.

REMARKS: Records good. There are many diversions above the station for municipal, industrial, and irrigation uses.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1939	-	-	-	275900	181900	287200	63240	14410	9740	9720	16900	51800	-
1940	21360	105500	29580	405800	468800	442600	742200	44050	21990	14770	641600	1712000	4650250
1941	1022000	643800	977000	349000	954600	1412000	1382000	146100	86430	274200	358600	216300	7822030
1942	134300	149300	143200	1686000	3424000	1292000	225600	70290	279000	233200	268800	197600	8103290
1943	295700	97690	191900	661400	600400	762500	51350	18830	58080	205900	25790	65430	3034970
1944	411500	569800	881800	252600	2477000	579800	52270	31800	56650	34570	118100	404200	5870090
1945	883100	474200	2604000	3237000	465900	667300	742900	126600	73660	454000	158500	245200	10132360
1946	543500	886800	881000	293800	928400	1480000	77490	61090	161400	53370	1209000	664900	7240750
1947	593400	186600	587400	588600	455600	245500	155500	51410	165800	50380	103100	497000	3680290
1948	351800	379700	868800	189600	705600	100100	153000	41540	34380	29220	25200	35550	2914490
1949	129100	380300	745900	316800	356200	692200	97380	29210	32570	260300	171300	72980	3284240
1950	390100	1504000	346700	442400	1034000	318900	158400	197500	357100	123500	65380	44660	4982640
1951	56410	131100	90940	62890	117300	547400	86630	26800	46860	22700	25860	33600	1248490
1952	37710	86710	103700	307000	513700	265200	21830	12920	12700	11280	42720	230200	1645670
1953	148800	59600	441500	130300	1524000	103800	22890	17790	23460	23370	38080	157400	2690990
1954	121500	50480	29760	62090	222500	24120	12680	14890	8770	130300	115700	43590	836380
1955	78950	196100	136000	210600	128500	74840	19430	22190	28750	21990	12000	19800	949150
1956	33260	119100	29200	48190	296000	30350	8690	6950	8660	10010	71160	19410	681000
1957	28510	96030	134500	834700	3258000	2342000	485600	445800	83000	722500	832600	300600	9563840
1958	384100	195200	361700	377800	2304000	401400	240400	99960	312500	119000	53240	67970	4917270
1959	54730	303300	130500	507200	857200	398500	276100	66390	30840	607400	152200	560500	3944860
1960	1051000	456500	294700	90180	155500	84570	77360	64660	29380	82570	155100	1133000	3674520
1961	1405000	862200	522600	376200	104700	413400	289600	43070	98550	56500	162000	399200	4733020
1962	203400	178500	176000	194900	359700	144300	144300	230800	412000	451500	108400	343500	2947300
1963	92650	70810	71230	70410	464100	138100	35760	24730	23790	19030	20080	29080	1059770
1964	34190	48850	102000	113400	67620	94430	21930	28430	100700	314700	301500	482600	1710350
1965	200900	671900	391400	304900	1532000	643900	74730	42060	52380	38240	60970	78360	4091740
1966	73920	216700	97650	549300	2940000	612300	321000	104700	95400	80710	34750	42410	5168840
1967	44440	37470	44650	127700	94020	251800	101200	29200	147700	171100	537700	330200	1917180
1968	617800	512000	891100	1350000	1573000	766900	324400	106700	67370	58430	87180	230600	6585480
1969	81980	451400	1090000	1257000	1991000	689100	125600	40540	47480	60520	107000	207100	6148720
1970	243800	270800	1342000	544400	610200	241000	43120	50570	97180	220200	-	-	-
MAX	1405000	1504000	2604000	3237000	3424000	2342000	1382000	445800	412000	722500	1209000	1712000	10132360
MIN	21360	37470	29200	48190	67620	24120	8690	6950	8660	9720	12000	19410	681000
MEAN	315127	335240	475433	506814	973920	517110	207331	72249	95758	155162	196145	287637	4137926
NO.	31	31	31	32	32	32	32	32	32	32	31	31	30
DISTR OF MEAN	7.6%	8.1%	11.5%	12.2%	23.5%	12.5%	5.0%	1.7%	2.3%	3.7%	4.7%	7.0%	100%

TRINITY RIVER BASIN

08065700 Caney Creek near Madisonville, Texas

LOCATION: Lat 30°56'12", long 95°56'07", Madison County, at the bridge on U.S. Highway 190, 0.2 mi (0.3 km) downstream from Mustang Creek, 1.5 mi (2.4 km) southwest of Madisonville, and 13.2 mi (21.2 km) upstream from Bedias Creek.

DRAINAGE AREA: 112 mi<sup>2</sup> (290 km<sup>2</sup>).

PERIOD OF RECORD: July 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 213.74 ft (65.148 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 13 years, 46,364 ac-ft/yr (57.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 15,000 ft<sup>3</sup>/s (425 m<sup>3</sup>/s) Apr. 12, 1969 (gage height, 17.76 ft or 5.413 m); no flow at times each year.

Maximum stages since 1900, 22 ft (6.7 m) in 1929 and 21.4 ft (6.52 m) in November 1946, 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
1963	-	-	-	-	-	-	0	0	0	0	0	2 61	-
1964	124	253	1160	1140	1400	80.0	0	3510	313	2810	3790	11 40	15720
1965	1230	15010	1020	1450	6400	337	.40	0	0	0	2540	73 40	35327
1966	5780	8430	755	31130	4900	37.0	0	22.0	516	.10	0	1. 30	51571
1967	4.40	6.00	9.6	1500	390	28.0	0	369	21.0	.20	0	.06	2328
1968	7140	217	2440	22550	14100	41520	745	36.0	4.10	0	4580	89 80	102312
1969	1740	11080	16620	27360	15120	56.0	.30	0	0	0	0	7 10	72686
1970	1490	1230	7190	9330	2880	80.0	1.70	0	15.0	2930	41.0	25.0	25213
1971	9.00	3.00	7.90	.60	45.0	9.4	0	0	0	586	86.0	20 00	2747
1972	3220	236	86.0	41.0	0	0	125	1110	0	772	2170	7 41	8501
1973	11100	2750	19390	11450	13880	9460	46.0	0	7250	34240	4010	41 70	117746
1974	21910	703	358	290	1900	1010	0	10290	23240	923	14880	43 60	79864
1975	6520	22110	798	3470	19080	1490	243	73.0	1.60	0	0	.90	53786
MAX	21910	22110	19390	31130	19080	41520	745	10290	23240	34240	14880	89 80	117746
MIN	4.40	3.00	7.90	.60	0	0	0	0	0	0	0	.06	2328
MEAN	5022	5169	4153	9143	6675	4509	89.3	1185	2412	3251	2469	22 87	46364
NO.	12	12	12	12	12	12	13	13	13	13	13	13	12
DISTR OF MEAN	10.8%	11.1%	9.0%	19.7%	14.4%	9.7%	.2%	2.6%	5.2%	7.0%	5.3%	4.9%	100%

**TRINITY RIVER BASIN**  
**08065800 Bedias Creek near Madisonville, Texas**

LOCATION: Lat 30°53'03", long 95°46'39", Madison-Walker County line, at the bridge on U.S. Highways 75 and 190, 0.5 mi (0.8 km) upstream from the bridge on Interstate Highway 45, 1.5 mi (2.4 km) downstream from Caney Creek, and 9.5 mi (15.3 km) southeast of Madisonville.

DRAINAGE AREA: 321 mi<sup>2</sup> (831 km<sup>2</sup>).

PERIOD OF RECORD: October 1967 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 150.00 ft (45.720 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 9 years, 175,282 ac-ft/yr (216.1 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1967-75): Maximum discharge, 33,800 ft<sup>3</sup>/s (957 m<sup>3</sup>/s) Sept. 14, 1974 (gage height, 25.07 ft or 7.641 m); no flow at times.

Maximum stage since at least 1910, 34 ft (10.4 m) in May 1922 (discharge unknown), 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
1967	-	-	-	-	-	-	-	-	-	12.0	27.0	13.0	-
1968	21710	567	7750	72020	39090	103800	2260	79.0	4.70	972	16650	33950	298853
1969	3640	35370	49070	79320	64310	170	2.10	0	0	125	1480	8660	242147
1970	11450	8970	41180	21170	2230	196	14.0	0	2970	22470	316	95.0	111061
1971	122	301	193	234	5860	144	10.0	675	2.50	3290	1050	13440	25322
1972	10950	7000	1240	381	415	106	536	2250	39.0	3320	6860	4210	37307
1973	34180	12600	55870	37070	24660	29580	468	542	25930	96660	13360	21540	352460
1974	51760	2230	892	859	7150	3520	26.0	13280	92320	1800	39060	16490	229387
1975	22190	41510	1600	2690	55420	9660	3550	2690	238	43.0	33.0	33.0	139657
MAX	51760	41510	55870	79320	64310	103800	3550	13280	92320	96660	39060	33950	352460
MIN	122	301	193	234	415	106	2.10	0	0	12.0	27.0	13.0	25322
MEAN	19500	13569	19724	26718	24892	18397	858	2440	15188	14299	8760	10937	175282
NO.	8	8	8	8	8	8	8	8	8	9	9	9	8
DISTR OF MEAN	11.1%	7.7%	11.3%	15.2%	14.2%	10.5%	.5%	1.4%	8.7%	8.2%	5.0%	6.2%	100%

TRINITY RIVER BASIN

08066000 Trinity River at Riverside, Texas

LOCATION: Lat 30°51'35", long 95°23'54", Trinity-Walker County line, at the bridge on State Highway 19, 1,200 ft (365.8 m) upstream from the Missouri-Pacific Railroad Co. bridge, 0.5 mi (0.8 km) north of Riverside, and 0.75 mi (1.2 km) downstream from Harmon Creek.

DRAINAGE AREA: 15,589 mi<sup>2</sup> (40,375.5 km<sup>2</sup>).

PERIOD OF RECORD: January 1903 to December 1906, October 1923 to September 1968.

GAGE: Wire-weight gage. Datum of gage is 89.86 ft (27.4 m) above mean sea level, datum of 1929, Galveston-Houston supplementary adjustment of 1936.

AVERAGE DISCHARGE: 50 years (1903-06, 1923-68), 4,860,219 ac-ft/yr (5,746.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1903-06, 1923-68): Maximum discharge, 121,000 ft<sup>3</sup>/s (3,426.7 m<sup>3</sup>/s) May 5, 1942 (gage height, 52.75 ft or 16.1 m, from floodmark); minimum, 70 ft<sup>3</sup>/s (2.0 m<sup>3</sup>/s) August 20-26, September 8-13, 1925, and September 29 to October 4, 1931.

Maximum stage since at least 1866, that of May 5, 1942.

REMARKS: Records good. There are many diversions above the station for municipal, industrial, and irrigation uses.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1903	441300	816000	2332000	708900	91540	93720	497900	405400	20650	306100	47170	88030	5848710
1904	34440	170500	92630	416200	646000	359200	88350	45370	62910	6080	16990	75440	2014110
1905	63500	234700	569400	893600	2472000	1861000	1258000	489700	30720	120700	284500	562600	8840420
1906	810700	562100	371000	384000	666500	901400	229900	459400	224500	103800	29770	445600	5188670
1907	-	-	-	-	-	-	-	-	-	-	-	-	-
1908	-	-	-	-	-	-	-	-	-	-	-	-	-
1909	-	-	-	-	-	-	-	-	-	-	-	-	-
1910	-	-	-	-	-	-	-	-	-	-	-	-	-
1911	-	-	-	-	-	-	-	-	-	-	-	-	-
1912	-	-	-	-	-	-	-	-	-	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	-	-	-	-
1915	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	-	-	-	-
1919	-	-	-	-	-	-	-	-	-	-	-	-	-
1920	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	-	-	-	-	-	-	-	-	-	69300	220000	1260000	-
1924	928000	593000	1290000	914000	439000	621000	27100	13600	118000	10400	11200	16800	4982100
1925	34700	18900	26800	21400	381000	20900	9260	6170	8780	247000	767000	41500	1583410
1926	446000	109000	866000	1210000	922000	385000	558000	343000	232000	130000	106000	605000	5912000
1927	475000	542000	1070000	1020000	779000	402000	242000	39600	18700	345000	64300	105000	5102600
1928	142000	255000	461000	431000	221000	494000	285000	120000	10800	6520	45300	418000	2889620
1929	576000	248000	437000	383000	1390000	2150000	130000	15700	43400	36900	237000	156000	5803000
1930	209000	504000	308000	88100	2010000	853000	48900	10600	10900	244000	95800	701000	5083300
1931	281000	616000	605000	430000	417000	97000	38700	24000	14200	36800	61900	267000	2888600
1932	2010000	2030000	1760000	174000	494000	298000	308000	46900	424000	29200	28600	130000	7732700
1933	707000	259000	812000	355000	446000	461000	39900	95300	88700	36700	33200	49400	3383200
1934	370000	259000	840000	1220000	215000	65500	12300	8300	17900	9910	91370	190000	3299280
1935	271800	487000	330200	295000	2417000	1631000	671200	83460	111900	117700	201400	780000	7397660
1936	141500	99070	88700	39410	434200	299500	256700	17110	14270	775400	364600	346600	2877060
1937	778200	286800	670600	232500	68190	115600	16520	32110	88960	40390	96970	314900	2741740
1938	780000	1241000	1308000	1861000	482300	178300	63090	58160	20220	17200	31760	29400	6070430
1939	181700	324400	212600	323000	208900	361100	87750	19260	10270	11010	18980	211800	1970770
1940	35990	247100	36680	444800	532200	537800	836800	53400	27070	18190	729000	2176600	5675630
1941	1161000	770900	1113000	373200	1033000	1284000	1598000	163700	113600	331400	577900	240900	8760600
1942	148200	167700	179900	1509000	3512000	1481000	276300	83210	324500	243200	281500	216100	8422610
1943	396000	109200	198600	722200	632300	847600	78300	24370	62660	230000	34630	116500	3452360
1944	636800	719600	1032000	289300	2673000	673300	54510	37190	90200	37780	208100	601700	7053480
1945	1162000	559800	2543000	3401000	571300	679100	832600	217700	125800	505200	177900	275400	11050800
1946	706900	1121000	1146000	362400	1219000	1588000	118200	55970	182400	64610	1339000	710400	8613880
1947	809600	211800	810900	618300	624300	260800	178600	53910	179600	58290	122800	606800	4535700
1948	396600	486600	895700	249800	757600	126500	174500	43370	39170	31870	27810	41040	3270560
1949	180200	467600	862300	543600	373500	777100	109500	33110	37430	382400	192500	193800	4153040
1950	525500	1465000	452000	508300	1073000	453700	168500	212900	363900	150400	77430	50810	5501440
1951	63220	137800	114600	70900	120900	548700	100800	27290	48430	23270	27710	37040	1320660
1952	46200	101200	119800	402400	602800	317400	22750	14850	13280	11290	56290	303500	2011760

TRINITY RIVER BASIN

08066000 Trinity River at Riverside, Texas--Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1953	191400	138500	494200	164000	1701000	165800	25510	18380	28310	42410	61920	228800	3260230
1954	137200	59080	34160	65550	321600	26310	12500	14210	8700	143500	162700	49650	1035160
1955	102700	321500	156800	413800	144000	82630	22950	23780	29290	25070	11300	19050	1352870
1956	32220	146800	34280	79020	322700	36100	9090	6800	9730	10210	77190	22920	787060
1957	31170	112400	190300	829500	3551000	2456000	551900	495200	84090	838500	1023000	364000	10527060
1958	484300	263400	380300	423000	2256000	456400	274200	102200	413400	132300	56670	73790	5315960
1959	58290	364400	134500	695900	885700	375100	290700	70290	31770	594000	183700	586800	4271150
1960	1178000	567200	363700	126000	178700	155200	96470	85700	35820	150000	402900	1329000	4668690
1961	1659000	1022000	544500	394300	105300	401000	309200	44840	160800	58880	139100	443400	5282320
1962	250400	193900	196900	221700	397500	149700	149400	238500	416300	477000	111600	400700	3203600
1963	123800	110300	76090	115600	466200	142600	40370	26070	26710	21120	23650	40420	1212930
1964	47500	62510	141400	174200	103200	115900	25180	38170	90430	333600	338100	504800	1974990
1965	275200	767900	422000	318300	1263000	709200	64020	35970	50110	40000	83170	228900	4257770
1966	142700	325300	123000	558800	2980000	660000	332200	112100	113900	88120	38760	48370	5523250
1967	52090	44860	50790	155500	121500	275500	108600	30610	155900	167600	529300	329000	2021250
1968	691400	509700	887000	1504000	1524000	1041000	353000	101600	63560	-	-	-	-
MAX	2010000	2030000	2543000	3401000	3551000	2456000	1598000	495200	424000	838500	1339000	2176600	11050800
MIN	31170	18900	26800	21400	68190	20900	9090	6170	8700	6080	11200	16800	787060
MEAN	436886	433276	575211	553765	923407	581054	246596	97929	99972	161435	203050	347638	4660219
NO.	49	49	49	49	49	49	49	49	49	49	49	49	48
DISTR													
OF MEAN	9.4%	9.3%	12.3%	11.9%	19.8%	12.5%	5.3%	2.1%	2.1%	3.5%	4.4%	7.5%	100%

TRINITY RIVER BASIN

08066100 White Rock Creek near Trinity, Texas

LOCATION: Lat 31°03'06", long 95°22'40", Trinity County, 3.9 mi (6.3 km) upstream from Little White Rock Creek, 4.1 mi (6.6 km) upstream from Tantabogue Creek, 7.3 mi (11.7 km) north of Trinity, and 16.1 mi (25.9 km) above the mouth.

DRAINAGE AREA: 222 mi<sup>2</sup> (575 km<sup>2</sup>).

PERIOD OF RECORD: December 1965 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 124.30 ft (37.887 m) above mean sea level, datum of 1929. Prior to June 19, 1974, at site 1.9 mi (3.1 km) downstream at same datum.

AVERAGE DISCHARGE: 9 years (1965-71, 1974-75), 82,525 ac-ft/yr (101.8 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1965-71, 1974-75): Maximum discharge, 16,700 ft<sup>3</sup>/s (473 m<sup>3</sup>/s) Mar. 25, 1973 (gage height, 31.22 ft or 9.516 m, present site); 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
1965	-	-	-	-	-	-	-	-	-	-	-	-	175 20
1966	12680	18030	2440	44 500	11390	181	661	3300	321	60.0	1.30	29.0	93593
1967	46.0	117	141	3520	459	4040	799	.50	.90	.70	1.20	1.84	9309
1968	12230	1370	4180	54 850	9120	26460	2850	103	1740	57.0	8660	11390	133010
1969	3390	29260	50250	44 270	37600	433	42.0	11.0	2.40	1.60	15.0	52.0	165327
1970	335	1570	7640	4690	493	28.0	2.60	.80	732	3920	687	121	20219
1971	270	261	163	5050	1310	45.0	.90	20.0	6.00	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	-	-
1974	-	-	-	-	-	964	36.0	6050	2 1750	593	9880	84 10	-
1975	8600	42550	3450	6200	22640	10530	1830	2210	168	397	500	219	99294
MAX	12680	42550	50250	54 850	37600	26460	2850	6050	2 1750	3920	9880	175 20	165 327
MIN	46.0	117	141	3520	459	28.0	.90	.50	.90	.70	1.20	29.0	9309
MEAN	5364	13308	9752	23297	11859	5335	778	1462	3090	718	2821	4741	82525
NO.	7	7	7	7	7	8	8	8	8	7	7	8	6
DISTR													
OF MEAN	6.5%	16.1%	11.8%	28.2%	14.4%	6.5%	.9%	1.8%	3.7%	.9%	3.4%	5.7%	100%

TRINITY RIVER BASIN

08066170 Kickapoo Creek near Onalaska, Texas

LOCATION: Lat 30°54'25", long 95°05'18", Polk County, 114 ft (35 m) downstream from an old bridge site, 1.2 mi (1.9 km) downstream from Magnolia Creek, 6.2 mi (10.0 km) upstream from Rocky Creek, 7.3 mi (11.7 km) northeast of Onalaska, and 15.9 mi (25.6 km) upstream from the mouth.

DRAINAGE AREA: 57.0 mi<sup>2</sup> (147.6 km<sup>2</sup>).

PERIOD OF RECORD: December 1965 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 139.85 ft (42.626 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 11 years, 32,194 ac-ft/yr (39.7 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1965-75): Maximum discharge, 16,000 ft<sup>3</sup>/s (453 m<sup>3</sup>/s) June 13, 1973 (gage height, 26.0 ft or 7.92 m); minimum, 0.01 ft<sup>3</sup>/s (0.0003 m<sup>3</sup>/s) July 19, 20, 1971.

REMARKS: Records good. No diversion above station. The low flow is sustained by sewage effluent.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1965	-	-	-	-	-	-	-	-	-	-	-	10900	-
1966	5150	7710	671	4200	1640	80.0	109	433	360	603	52.0	284	21292
1967	173	370	191	1620	1370	117	382	27.0	144	25.0	129	808	5356
1968	4110	407	3710	12740	4710	12750	564	289	90.0	112	1260	3130	43872
1969	730	5310	11600	9720	12080	185	39.0	35.0	71.0	86.0	89.0	210	40155
1970	455	1090	1180	1470	179	25.0	15.0	20.0	35.0	1900	230	116	6715
1971	92.0	85.0	46.0	67.0	197	19.0	5.10	404	186	235	126	1350	2812
1972	4800	552	2770	1260	4770	241	244	225	85.0	141	396	2050	17534
1973	9810	3340	8940	11030	5690	21740	1860	2270	6370	8850	5010	5430	90340
1974	19660	977	886	299	233	121	86.0	1220	3870	5530	9720	2570	45172
1975	5780	6430	3860	5450	8420	2930	1280	3160	180	717	1130	998	40335
MAX	19660	7710	11600	12740	12080	21740	1860	3160	6370	8850	9720	10900	90340
MIN	92.0	85.0	46.0	67.0	179	19.0	5.10	20.0	35.0	25.0	52.0	116	2812
MEAN	5076	2627	3385	4786	3929	3821	458	808	1139	1820	1814	2531	32194
NO.	10	10	10	10	10	10	10	10	10	10	10	11	10
DISTR OF MEAN	15.8%	8.2%	10.5%	14.9%	12.2%	11.9%	1.4%	2.5%	3.5%	5.7%	5.6%	7.9%	100%

TRINITY RIVER BASIN

08066190 Livingston Reservoir near Goodrich, Texas

LOCATION: Lat 30°38'00", long 95°00'36", Polk-San Jacinto County line, on the upstream wingwall at the left end of the gated spillway, 4.4 mi (7.1 km) northwest of Goodrich, 7 mi (11 km) southwest of Livingston, and 11.7 mi (18.8 km) upstream from Long King Creek.

DRAINAGE AREA: 16,583 mi<sup>2</sup> (42,950 km<sup>2</sup>).

PERIOD OF RECORD: September 1968 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level. Prior to Feb. 26, 1969, temporary nonrecording gages at site about 200 ft (61 m) upstream and at the same datum.

EXTREMES: Period of record (1968-75): Maximum contents, 1,923,000 ac-ft (2,371.0 hm<sup>3</sup>) Mar. 25, 1973 (elevation, 132.60 ft or 40.416 m); minimum contents since deliberate impoundment first began on June 26, 1969, 149,600 ac-ft (184.4 hm<sup>3</sup>) Dec. 5, 1969 (elevation, 98.52 ft or 30.029 m).

REMARKS: The reservoir is formed by an earthfill dam 14,400 ft (4,390 m) long, including a controlled spillway, with a capacity of 1,788,000 ac-ft (2,204.6 hm<sup>3</sup>). The dam was completed on Sept. 29, 1968 and deliberate impoundment began on June 26, 1969. The spillway is a concrete gravity structure, 646 ft (197 m) long, with a net opening of 480 ft (146 m). The spillway has twelve 40- by 35-foot (12- by 11-m) tainter gates and is located near the left end of the dam. The outlet works for low-flow releases are located in a vertical concrete multi-gated inlet tower. There are five gated openings at various elevations located in the tower and all discharge into a 10-foot diameter (3-m) concrete conduit through the dam. The inlet tower is located 1,700 ft (518 m) to the right of the spillway abutment. For statement regarding the regulation by upstream reservoirs, see Trinity River near Oakwood (station 08065000). The dam is owned and operated jointly by the City of Houston and the Trinity River Authority.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1968	-	-	-	-	-	-	-	-	3300	5930	89570	167600
1969	110400	260000	286300	222100	320100	259400	263600	217500	191700	177300	161800	176100
1970	170000	219500	380900	592700	998000	1053000	955500	906400	938800	1189000	1327000	1360000
1971	1378000	1411000	1415000	1433000	1448000	1407000	1345000	1400000	1407000	1716000	1797000	1832000
1972	1836000	1794000	1811000	1800000	1778000	1752000	1723000	1728000	1712000	1788000	1814000	1811000
1973	1808000	1792000	1810000	1753000	1802000	1800000	1792000	1798000	1837000	1843000	1834000	1809000
1974	1812000	1829000	1797000	1820000	1787000	1788000	1703000	1817000	1802000	1816000	1808000	1816000
1975	1782000	1800000	1793000	1808000	1825000	1823000	1812000	1772000	1758000	1778000	1772000	1793000
MAX	1836000	1829000	1811000	1820000	1825000	1823000	1812000	1817000	1837000	1843000	1834000	1832000
MIN	110400	219500	286300	222100	320100	259400	263600	217500	3300	5930	89570	167600
MEAN	1270914	1300786	1327600	1346971	1422586	1411771	1370586	1376986	1206225	1289154	1325421	1345588
NO.	7	7	7	7	7	7	7	7	8	8	8	8
DISTR OF MEAN	7.9%	8.1%	8.3%	8.4%	8.9%	8.8%	8.6%	8.6%	7.5%	8.1%	8.3%	8.4%

TRINITY RIVER BASIN

08066191 Livingston Reservoir at Outflow Weir near Goodrich, Texas

LOCATION: Lat 30°37'55", long 95°01'11", San Jacinto County, at the end of the conduit into the stilling basin, 1,700 ft (518 m) to the right of the right spillway abutment, 4.8 mi (7.7 km) northwest of Goodrich, and 11.7 mi (18.8 km) upstream from Long King Creek.

DRAINAGE AREA: 16,583 mi<sup>2</sup> (42,950 km<sup>2</sup>).

PERIOD OF RECORD: September 1969 to December 1975.

GAGE: Staff gages and concrete control. Datum of gage is at mean sea level. Prior to Oct. 1, 1974, water-stage recorder at same site and datum.

AVERAGE DISCHARGE: 7 years, 140,880 ac-ft/yr (173.7 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1969-75): Maximum discharge, 3,400 ft<sup>3</sup>/s (96.3 m<sup>3</sup>/s) May 2, 1974; maximum elevation, about 93.0 ft (29.35 m) June 14, 1973 (backwater from the Trinity River); no flow for many days.

REMARKS: For details concerning the outlet works, see Livingston Reservoir (station 08066190). The purpose of this station is to record selective withdrawal releases at the outflow weir, crest 61.90 ft (18.867 m). These releases do not constitute the total flow from Livingston Reservoir since the flow through the tainter gates is not included in these totals.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1969	-	-	-	-	-	-	-	-	0	0	30700	72850	-
1970	12280	11560	0	140	0	958	770	4770	0	6900	22240	18730	78222
1971	19500	22200	60850	77460	74860	66650	63120	27170	25720	7350	0	0	444880
1972	0	230	335	438	685	537	0	0	0	0	0	0	2018
1973	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	14000	0	3540	96300	4460	0	0	0	0	0	0	118300
1975	0	0	1590	0	0	0	0	0	0	33980	60400	49210	145180
MAX	19500	22200	60850	77460	96300	66650	63120	27170	25720	33980	60400	72850	444880
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	5297	7964	10463	13575	28641	12101	10648	5323	3674	6890	16191	20113	140880
NO.	6	6	6	6	6	6	6	6	7	7	7	7	6
DISTR OF MEAN	3.8%	5.7%	7.4%	9.6%	20.3%	8.6%	7.6%	3.8%	2.6%	4.9%	11.5%	14.3%	100%

TRINITY RIVER BASIN

08066200 Long King Creek at Livingston, Texas

LOCATION: Lat 30°42'58", long 94°57'31", Polk County, 64 ft (20 m) downstream from the centerline of the bridge on U.S. Highway 190, 2 mi (3 km) west of Livingston, 2 mi (3 km) upstream from Choates Creek, and 14.8 mi (23.8 km) upstream from the mouth.

DRAINAGE AREA: 141 mi<sup>2</sup> (365 km<sup>2</sup>).

PERIOD OF RECORD: January 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 100.12 ft (30.517 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 13 years, 68,003 ac-ft/yr (83.8 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 26,500 ft<sup>3</sup>/s (750 m<sup>3</sup>/s) Nov. 5, 1973 (gage height, 27.06 ft or 8.248 m); no flow at times.

Maximum stage since at least 1870, about 41 ft (12.5 m) in May 1929.

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	5800	8310	2790	1900	158	131	391	30.0	98.0	39.0	199	1220	21066
1964	3510	2390	15790	4590	4000	505	51.0	45.0	131	20.0	113	197	31342
1965	229	5120	4990	1100	2100	164	48.0	80.0	48.0	11.0	667	13740	28297
1966	9670	23650	2500	13390	6020	225	60.0	127	157	1520	73.0	394	57786
1967	949	1360	2020	9070	6870	466	434	26.0	9.1	35.0	117	531	21887
1968	4890	975	4510	18590	5370	30420	1350	190	237	413	5030	18190	90165
1969	1870	14880	19150	9040	40700	787	54.0	39.0	50.0	40.0	204	850	87664
1970	1670	808	2040	2630	479	98.0	17.0	22.0	39.0	7640	470	174	16087
1971	171	307	230	242	815	43.0	0	0	274	1480	379	5370	9311
1972	6420	1280	6560	6060	10780	458	317	105	247	112	1570	6040	39949
1973	11150	11550	25070	43400	8850	50570	10870	5340	11070	17980	40990	30190	267030
1974	59370	6550	3710	1520	963	442	159	273	3450	5440	17490	13220	112587
1975	16860	13340	7450	11010	23440	4180	4720	5330	803	1860	5920	5960	100873
MAX	59370	23650	25070	43400	40700	50570	10870	5340	11070	17980	40990	30190	267030
MIN	171	307	230	242	158	43.0	0	0	9.1	11.0	73.0	174	9311
MEAN	9428	6963	7447	9426	8503	6807	1421	893	1278	2815	5632	7390	68003
NO.	13	13	13	13	13	13	13	13	13	13	13	13	13
DISTR OF MEAN	13.9%	10.2%	11.0%	13.9%	12.5%	10.0%	2.1%	1.3%	1.9%	4.1%	8.3%	10.9%	100%

**TRINITY RIVER BASIN**  
**08066250 Trinity River near Goodrich, Texas**

LOCATION: Lat 30°34'19", long 94°56'55", Polk-San Jacinto County line, 40 ft (12 m) downstream from the downstream bridge on U.S. Highway 59, 0.2 mi (0.3 km) downstream from Long King Creek, and 3.0 mi (4.8 km) southeast of Goodrich.

DRAINAGE AREA: 16,844 mi<sup>2</sup> (43,626 km<sup>2</sup>).

PERIOD OF RECORD: December 1965 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 11 years, 5,676,851 ac-ft/yr (6,999.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1965-75): Maximum discharge, 96,200 ft<sup>3</sup>/s (2,720 m<sup>3</sup>/s) June 14, 1973 (gage height, 46.36 ft or 14.131 m); minimum daily, 191 ft<sup>3</sup>/s (5.41 m<sup>3</sup>/s) Aug. 6, 1971 (regulation by Livingston Reservoir).

Maximum stage since at least 1929, 52.0 ft (15.85 m) in May 1942, from information by the State Highway Department and local residents.

REMARKS: Records good. The flow has been regulated since Sept. 29, 1968 by Livingston Reservoir (station 08066190), capacity 1,788,000 ac-ft (2,204.6 hm<sup>3</sup>), located 11.9 mi (19.1 km) upstream. There are no diversions between Livingston Reservoir and the gaging station.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1965	-	-	-	-	-	-	-	-	-	-	-	-	3356 00
1966	222200	468200	155300	627600	3320000	724600	367900	140400	126100	103100	40490	51390	6347280
1967	56280	57820	58830	196200	145500	294800	127700	33650	148700	172700	523000	338100	2153280
1968	696800	532000	888900	1763000	1683000	1309000	412200	125500	77290	79450	103200	363900	8034240
1969	180200	489400	1338000	1680000	2249000	875600	130800	83350	74810	73510	131700	219400	7525770
1970	293600	236100	1312000	472400	194300	158200	121400	67620	59320	43530	26730	19500	3004700
1971	19730	26210	62380	75080	75980	66040	64110	29770	27080	20870	319100	1546000	2332350
1972	1207000	234400	96380	96360	203300	53990	68250	21840	28650	17400	190800	181700	2400070
1973	522700	498200	1202000	1191000	1429000	1912000	423800	192200	202400	1576000	873600	802900	10825800
1974	1316000	341300	253400	138000	492400	215900	112500	100900	906100	301200	1801000	1432000	7410700
1975	736500	1624000	608700	930800	1165000	1079000	280100	203600	57590	59240	74160	67080	6885770
MAX	1316000	1624000	1338000	1763000	3320000	1912000	423800	203600	906100	1576000	1801000	1546000	10825800
MIN	19730	26210	58630	75080	75980	53990	64110	21840	27080	17400	26730	19500	2153280
MEAN	525101	450763	597589	717044	1095748	668913	210876	99883	170804	244700	408378	487052	5676851
NO.	10	10	10	10	10	10	10	10	10	10	10	11	10
DISTR													
OF MEAN	9.2%	7.9%	10.5%	12.6%	19.3%	11.8%	3.7%	1.8%	3.0%	4.3%	7.2%	8.6%	100%

TRINITY RIVER BASIN

08066300 Menard Creek near Rye, Texas

LOCATION: Lat 30°28'52", long 94°46'46", Liberty County, 20 ft (6 m) downstream from the bridge on State Highway 146, 2.3 mi (3.7 km) northwest of Rye, and 6 mi (10 km) upstream from the mouth.

DRAINAGE AREA: 152 mi<sup>2</sup> (394 km<sup>2</sup>).

PERIOD OF RECORD: December 1965 to December 1975.

GAGE: Wire-weight gage. Datum of gage is 62.32 ft (18.995 m) above mean sea level, datum of 1929. Prior to September 1974, water-stage recorder at same site and datum.

AVERAGE DISCHARGE: 11 years, 74,003 ac-ft/yr (91.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1965-75): Maximum discharge, 9,660 ft<sup>3</sup>/s (274 m<sup>3</sup>/s) May 8, 1969 (gage height, 30.33 ft or 9.245 m); minimum daily 2.6 ft<sup>3</sup>/s (0.074 m<sup>3</sup>/s) Nov. 1, 1967.

Flood in September 1961 reached a stage of about 34 ft (10.4 m) from information by a local resident.

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
1965	-	-	-	-	-	-	-	-	-	-	-	4230	-
1966	5120	24900	4130	4160	4790	2140	1220	1210	858	1300	801	1350	51979
1967	1640	1620	2210	3630	1520	1370	442	336	263	210	211	495	13947
1968	1480	1010	2150	4470	9770	14420	3560	955	933	850	1120	3210	43928
1969	2170	5730	8430	5610	42670	2050	847	558	680	588	631	1110	71074
1970	2110	1730	3210	2970	5970	1500	671	779	559	1420	1320	667	22906
1971	899	776	828	582	2220	519	278	530	608	1360	908	8260	17768
1972	4510	3370	6000	3680	12390	1180	1150	610	694	874	1940	4030	40428
1973	9810	16280	13570	24670	15030	15350	6700	9690	6640	11410	8680	18360	156190
1974	47780	10510	8580	13410	5610	3540	1360	2490	5680	6820	30560	28120	164460
1975	26910	21710	12030	14550	22980	16240	10290	7360	4220	5540	10170	8200	160200
MAX	47780	24900	13570	24670	42670	16240	10290	9690	6640	11410	30560	28120	164460
MIN	899	776	828	582	1520	519	278	336	263	210	211	495	13947
MEAN	10243	8764	6114	7773	12295	5831	2652	2452	2114	3037	5634	7094	74003
NO.	10	10	10	10	10	10	10	10	10	10	10	11	10
DISTR													
OF MEAN	13.8%	11.8%	8.3%	10.5%	16.6%	7.9%	3.6%	3.3%	2.9%	4.1%	7.6%	9.6%	100%

**TRINITY RIVER BASIN**  
**08066400 Big Creek near Shepherd, Texas**

LOCATION: Lat 30°30'59", long 94°59'06", San Jacinto County, at the bridge on U.S. Highway 59, 1.5 mi (2.4 km) northeast of Shepherd, and 11.6 mi (18.7 km) upstream from the mouth.

DRAINAGE AREA: 38.8 mi<sup>2</sup> (100.5 km<sup>2</sup>).

PERIOD OF RECORD: January 1966 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 94.90 ft (28.926 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 10 years, 18,744 ac-ft/yr (23.1 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1966-75): Maximum discharge, 22,000 ft<sup>3</sup>/s (623 m<sup>3</sup>/s) June 13, 1973 (gage height, 25.69 ft or 7.830 m); minimum daily, 1.0 ft<sup>3</sup>/s (0.028 m<sup>3</sup>/s) Aug. 7, 1967.

Maximum stage since at least 1949, that of June 13, 1973.

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	1080	2800	893	1070	1230	463	421	761	402	724	392	738	10974
1967	799	549	633	881	348	427	157	110	155	182	212	436	4889
1968	704	388	694	789	2870	3150	663	310	299	739	509	1310	12425
1969	839	1660	2300	1320	5530	534	297	246	309	365	408	643	14451
1970	769	694	1610	1040	1080	388	215	167	373	626	372	441	7775
1971	376	441	337	281	693	236	145	313	283	233	296	1520	5154
1972	811	822	1470	857	3310	510	671	508	444	465	1080	2070	13018
1973	2680	4450	2960	4800	2410	23030	1460	1110	1590	2340	1720	5660	54210
1974	12140	2750	3010	1290	1090	718	435	706	1150	1550	5340	4580	34759
1975	4750	3870	2420	4030	3470	2470	1500	1550	1100	1160	1500	1960	29780
MAX	12140	4450	3010	4800	5530	23030	1500	1550	1590	2340	5340	5660	54210
MIN	376	388	337	281	348	236	145	110	155	182	212	436	4889
MEAN	2495	1842	1633	1636	2203	3193	596	578	611	838	1183	1936	18744
NO.	10	10	10	10	10	10	10	10	10	10	10	10	10
DISTR OF MEAN	13.3%	9.8%	8.7%	8.7%	11.8%	17.0%	3.2%	3.1%	3.3%	4.5%	6.3%	10.3%	100%

TRINITY RIVER BASIN

08066500 Trinity River at Romayor, Texas

LOCATION: Lat 30°25'30", long 94°51'02", Liberty County, at the bridge on State Highway 105, 1.9 mi (3.1 km) south of Romayor, 1.9 mi (3.1 km) downstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, and 3.7 mi (6.0 km) downstream from Big Creek.

DRAINAGE AREA: 17,186 mi<sup>2</sup> (44,512 km<sup>2</sup>).

PERIOD OF RECORD: May 1924 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 35.92 ft (10.948 m) above mean sea level, datum of 1929. Prior to September 1943, nonrecording gage at datum 53.57 ft (16.328 m) higher at the railroad bridge 1.9 mi (3.1 km) upstream.

AVERAGE DISCHARGE: 52 years, 5,259,031 ac-ft/yr (6,484.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1924-75): Maximum discharge, 111,000 ft<sup>3</sup>/s (3,140 m<sup>3</sup>/s) May 9, 1942 (gage height, 35.8 ft or 10.91 m, from floodmarks, present site and datum); minimum, 102 ft<sup>3</sup>/s (2.89 m<sup>3</sup>/s) Aug. 24, 25, 1956.

Maximum stage since at least 1908, that of May 9, 1942.

REMARKS: Records fair. The flow has been regulated since Sept. 28, 1968 by Livingston Reservoir (station 08066190), capacity 1,788,000 ac-ft (2,204.6 hm<sup>3</sup>) located 35 mi (56 km) upstream. There are no diversions between Livingston Reservoir and the gaging station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	573900	868000	476000	235000	616000	211000	215000	281000	-
1925	804000	330000	324000	247000	356000	271000	139000	985000	122000	365000	1030000	840000	2068550
1926	651000	152000	983000	1380000	986000	391000	491000	353000	226000	113000	107000	611000	6444000
1927	517000	580000	1190000	1110000	877000	406000	273000	667000	297000	371000	958000	154000	5670200
1928	197000	257000	582000	478000	245000	484000	291000	125000	180000	160000	546000	481000	3228600
1929	664000	357000	599000	428000	1830000	2240000	170000	304000	565000	465000	303000	159000	6863400
1930	387000	689000	410000	135000	1420000	1230000	855000	208000	219000	275000	129000	842000	5645200
1931	485000	728000	676000	430000	462000	946000	472000	318000	239000	285000	94000	387000	3488000
1932	2081000	2170000	2020000	214000	464000	313000	287000	799000	412000	445000	352000	120000	8240600
1933	719000	369000	972000	402000	405000	486000	775000	107000	982000	421000	342000	429000	3754900
1934	347000	381000	953000	1290000	204000	815000	185000	152000	204000	234400	125800	325500	3785340
1935	308900	524200	349600	334900	3019000	1932000	829400	100200	132400	108700	260500	1024000	8923800
1936	172500	129700	100100	47230	431400	312100	387100	35180	21240	677200	362600	367200	3043550
1937	845600	333400	671600	307200	79000	105000	26100	27960	98060	56030	119600	319100	2988650
1938	802400	1232000	1354000	1750000	725600	203700	80450	77400	32880	28720	46230	42960	6376340
1939	294800	419700	283500	304000	238700	333600	132700	23830	16410	14650	21100	245300	2328290
1940	51750	342600	45770	440800	568000	612200	860300	64800	38290	25930	791300	2658000	6499740
1941	1399000	910600	1357000	413000	1275000	1344000	1751000	175200	158600	370900	909900	271400	10335600
1942	177200	191700	234300	1528000	3732000	1572000	369700	209600	334200	234700	346700	275300	9205600
1943	599500	139100	199200	772200	614100	847100	145100	59180	66190	233700	47240	131600	3854210
1944	728400	874700	1148000	391700	3009000	793100	68270	48020	114700	44640	234600	685900	8141030
1945	1429000	707200	2589000	3910000	675100	655200	904100	162600	205500	513400	201900	323400	12276400
1946	846900	1314000	1278000	383200	1368000	1704000	202700	57800	198200	80150	1637000	795400	9865350
1947	1197000	284900	954100	614500	723600	250900	234300	59030	178300	60680	111100	618400	5286810
1948	425600	626100	999500	402600	807800	159300	172300	50230	43150	36060	34750	42290	3799680
1949	184000	560400	1050000	674800	337800	866000	139000	49330	55240	724900	241100	421100	5303670
1950	852400	1670000	705500	554300	1201000	800900	249000	230700	366900	195600	79660	55560	6961520
1951	72100	139400	158600	95200	134400	577300	134500	31580	54090	26900	33050	47050	1504170
1952	53100	123800	160300	474500	659400	376100	31750	17590	14100	13710	55160	323300	2302810
1953	234000	214900	528200	198400	2031000	285300	41630	29200	35080	36710	71800	269100	3975320
1954	160900	66720	44530	71510	383500	44540	30790	33840	12740	121400	229000	70880	1270350
1955	141700	442100	176900	579300	170100	103500	32260	28420	29660	38140	16300	25050	1783430
1956	41700	185800	58700	120900	316200	46080	12350	7860	9830	11100	77520	29240	917280
1957	30630	120700	242500	844500	3812000	2685000	600000	623300	109900	981500	1286000	55020	11886230
1958	790500	410300	426100	427200	2289000	488200	274300	96400	447000	160000	55300	65700	5930000
1959	58080	375300	154100	816700	947900	368300	406700	105100	40800	575800	240200	644400	4733380
1960	1260000	703000	462900	146900	247900	240900	122900	98280	63340	158700	500100	1408000	5412920
1961	1841000	1208000	682300	455800	120500	406800	379100	66850	332000	82940	126900	548200	6250390
1962	346100	243300	229000	221900	498900	159900	158600	231300	388400	502100	137900	485700	3603100
1963	193200	179900	111000	166900	473000	158100	58030	32750	31410	23420	31940	62560	1522210
1964	71590	84360	232100	233400	174900	118900	32640	36770	67320	342300	302600	502100	2198980
1965	285900	805700	489500	391300	1168000	853800	74770	41220	51060	52590	105000	354400	4673240
1966	211100	459300	155600	591000	3197000	695300	368700	158000	128700	107800	44640	54850	6172190
1967	58550	54980	61730	198200	146200	268900	113700	32210	140700	169400	501100	320100	2065770
1968	675500	539700	868900	1696000	1627000	1316000	445400	127800	75800	80090	96540	357200	7905930
1969	187500	466600	1313000	1632000	2227000	862500	125700	88520	83390	86960	128700	220600	7422470
1970	300400	230900	1291000	513300	208900	152900	113000	65780	58660	45750	26740	21610	3028940
1971	21310	24990	56210	69970	80090	66950	57580	29400	27930	26870	309800	1487000	2258100
1972	1198000	247600	107600	100600	241300	56640	75020	24820	28100	20020	190300	196000	2486000
1973	521600	547900	1289000	1235000	1419000	1908000	444500	204500	201800	1561000	885800	821500	11039600

TRINITY RIVER BASIN  
08066500 Trinity River at Romayor, Texas--Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	1358000	367900	251900	170200	500100	217400	110000	91000	883700	310600	1832000	1488000	7580800
1975	776900	1675000	630100	946000	1188000	1113000	351200	236400	67670	68940	89790	79060	7222060
MAX	2081000	2170000	2589000	3910000	3812000	2685000	1751000	623300	883700	1561000	1832000	2658000	12276400
MIN	21310	24990	32400	24700	79000	27100	12350	7860	9630	11100	16300	21610	917280
MEAN	535935	507734	625654	610134	978640	628512	249016	92948	123535	199170	285568	421985	5259031
NO.	51	51	51	51	52	52	52	52	52	52	52	52	51
DISTR OF MEAN	10.2%	9.7%	11.9%	11.6%	18.6%	12.0%	4.7%	1.8%	2.3%	3.8%	5.4%	8.0%	100%

**TRINITY RIVER BASIN**  
**08067000 Trinity River at Liberty, Texas**

LOCATION: Lat 30°03'27", long 94°49'05", Liberty County, at the bridge on U.S. Highway 90 in Liberty, and 345 ft (105 m) downstream from the Texas and New Orleans Railroad Co. bridge.

DRAINAGE AREA: 17,468 mi<sup>2</sup> (45,242 km<sup>2</sup>).

PERIOD OF RECORD: June 1940 to December 1975 (high-water records only).

GAGE: Water-stage recorder. Datum of gage is 3.04 ft (0.927 m) below mean sea level, datum of 1929, adjustment of 1973; not adjusted for land-surface subsidence. Prior to Mar. 13, 1973, nonrecording gage at site 105 ft (32 m) downstream at same datum.

EXTREMES: Maximum discharge, 114,000 ft<sup>3</sup>/s (3,230 m<sup>3</sup>/s) May 12, 1942 (gage height, 29.38 ft or 8.955 m); minimum not determined (affected by tides); minimum gage height observed, 2.32 ft (0.707 m) Nov. 24, 1970.

Maximum stage since at least 1903, that of May 12, 1942.

REMARKS: Records poor. The discharge below 10,000 ft<sup>3</sup>/s (283 m<sup>3</sup>/s) is not published. The published discharges are estimated using the records for the Trinity River near Romayor (station 08066500), intervening area computation, and discharge measurements. The flow is regulated by Livingston Reservoir (station 08066190), located 88.9 mi (143.0 km) upstream. There are many diversions above the station for municipal, industrial, and irrigation uses.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1940	-	-	-	-	-	717800	-	-	-	-	-	3003000	-
1941	1586000	946400	1476000	463700	1323000	1333000	1875000	-	-	-	1039000	-	-
1942	-	-	-	-	4079000	1732000	-	-	-	-	-	-	-
1943	-	-	-	798200	-	855000	-	-	-	-	-	-	-
1944	727100	934300	1218000	-	-	-	-	-	-	-	-	-	-
1945	1517000	722200	2584000	4060000	845600	-	-	-	-	-	-	-	-
1946	-	1281000	1403000	-	1325000	1806000	-	-	-	-	-	838300	-
1947	1267000	325500	1005000	633700	862100	-	-	-	-	-	-	-	-
1948	465700	632200	985000	-	-	-	-	-	-	-	-	-	-
1949	-	-	1164000	836700	-	881000	-	-	-	-	-	-	-
1950	909400	1595000	955000	-	1354000	952100	-	-	-	-	-	-	-
1951	-	-	-	-	-	-	-	-	-	-	-	-	-
1952	-	-	-	-	-	-	-	-	-	-	-	-	-
1953	-	-	-	-	2366000	-	-	-	-	-	-	-	-
1954	-	-	-	-	-	-	-	-	-	-	-	-	-
1955	-	-	-	-	-	-	-	-	-	-	-	-	-
1956	-	-	-	-	-	-	-	-	-	-	-	-	-
1957	-	-	-	-	3763000	2744000	707200	696700	-	-	1426000	589000	-
1958	911900	420400	414800	380500	2461000	554600	-	-	-	-	-	-	-
1959	-	-	-	-	-	-	-	-	-	-	-	-	-
1960	1414000	751800	-	-	-	-	-	-	-	-	-	-	-
1961	2076000	1302000	766900	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	507300	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	558600	-
1965	-	841800	550800	-	-	1104000	-	-	-	-	-	-	-
1966	-	-	-	-	3192000	803300	-	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	-	-	-	-	-	-
1968	671500	567700	832500	1653000	1493000	1277000	-	-	-	-	-	-	-
1969	-	-	1319000	1708000	2244000	-	-	-	-	-	-	-	-
1970	-	-	-	-	-	-	-	-	-	-	-	-	-
1971	-	-	-	-	-	-	-	-	-	-	-	1550500	-
1972	1293500	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	604000	1063000	1290000	1645000	1880000	-	-	-	1618000	1006000	861200	-
1974	1322000	598100	316000	-	511000	-	-	-	-	-	1892000	1628000	-
1975	-	-	-	-	-	1225000	-	-	-	-	-	-	-
MAX	2076000	1595000	2584000	4060000	4079000	2744000	1875000	696700	-	1618000	1892000	3003000	-
MIN	465700	325500	316000	380500	511000	554600	707200	696700	-	1618000	1006000	507300	-
MEAN	1180092	823029	1070200	1313756	1961693	1276057	1291100	696700	-	1618000	1340750	1191988	13763365
NO.	12	14	15	9	14	14	2				4	8	0
DISTR													
CF MEAN	8.6%	6.0%	7.8%	9.5%	14.3%	9.3%	9.4%	5.1%	0%	11.8%	9.7%	8.7%	100%

**TRINITY RIVER BASIN**  
**08067080 Devers Canal near Liberty, Texas**

LOCATION: Lat 29°57'58", long 94°43'17", Liberty County, at the flume over Farm Road 563, 250 ft (76 m) downstream from the pump plant No. 2, and 8 mi (13 km) southeast of Liberty.

PERIOD OF RECORD: January 1972 to December 1975.

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

REMARKS: Records fair. The discharge is computed from the pump record and is verified by the elevation record and discharge measurements. The flow is diverted from the Trinity River at the pump plant No. 1 through a canal 4.7 mi (7.6 km) to pump plant No. 2, located 250 ft (76 m) upstream from the station. The water is furnished by the Trinity River Authority for irrigation.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1972	0	0	10360	17180	16010	23970	16030	11520	16060	0	1900	0	113030
1973	0	0	3680	7720	19800	21960	25950	15880	8010	2350	0	0	105350
1974	0	0	7010	13870	20450	24510	22180	12950	7570	1520	1440	0	111500
1975	0	0	7770	12860	20610	18830	16270	7660	7930	0	853	0	92783
MAX	0	0	10360	17180	20610	24510	25950	15880	16060	2350	1900	0	113030
MIN	0	0	3680	7720	16010	18830	16030	7660	7570	0	0	0	92783
MEAN	0	0	7205	12908	19218	22318	20108	12003	9893	968	1048	0	105669
NO.	4	4	4	4	4	4	4	4	4	4	4	4	4
DISTR OF MEAN	.0%	.0%	6.8%	12.2%	18.2%	21.1%	19.0%	11.4%	9.4%	.9%	1.0%	.0%	100%

TRINITY-SAN JACINTO COASTAL BASIN

08067500 Cedar Bayou near Crosby, Texas

LOCATION: Lat 29°58'21", long 94°59'08", Harris-Liberty County line, at the bridge on U.S. Highway 90, and 6.6 mi (10.6 km) northeast of Crosby.

DRAINAGE AREA: 64.9 mi<sup>2</sup> (168.1 km<sup>2</sup>).

PERIOD OF RECORD: October 1971 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 31.31 ft (9.543 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 5 years, 65,352 ac-ft/yr (80.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1971-75): Maximum discharge, 2,870 ft<sup>3</sup>/s (81.3 m<sup>3</sup>/s) June 13, 1973 (gage height, 24.91 ft or 7.593 m); minimum, 0.01 ft<sup>3</sup>/s (0.0003 m<sup>3</sup>/s) May 20 and July 30, 1974.

REMARKS: Records fair. The low flow is sustained from industrial effluent and drainage from irrigated lands.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1971	-	-	-	-	-	-	-	-	-	641	297	10850	-
1972	4070	1520	3020	1380	9750	1080	2060	536	1470	1600	8810	1510	36806
1973	7290	5760	9030	18680	2020	29820	7390	1850	13780	15620	3330	2570	117140
1974	13720	376	1420	1500	6400	431	254	1230	11830	1240	16410	8490	63301
1975	8410	7670	407	7960	7080	4680	1820	3480	492	2450	785	2570	47804
MAX	13720	7670	9030	18680	9750	29820	7390	3480	13780	15620	16410	10850	117140
MIN	4070	376	407	1380	2020	431	254	536	492	641	297	1510	36806
MEAN	8373	3832	3469	7380	6313	9003	2881	1774	6893	4310	5926	5198	65352
NC.	4	4	4	4	4	4	4	4	4	5	5	5	4
DISTR													
OF MEAN	12.8%	5.9%	5.3%	11.3%	9.7%	13.8%	4.4%	2.7%	10.5%	6.6%	9.1%	8.0%	100%

**SAN JACINTO RIVER BASIN**  
**08067600 Lake Conroe near Conroe, Texas**

LOCATION: Lat 30°21'30", long 95°33'39", Montgomery County, at the service outlet tower, 140 ft (43 m) upstream from the centerline of the dam, and 7.4 mi (11.9 km) west of Conroe.

DRAINAGE AREA: 445 mi<sup>2</sup> (1,153 km<sup>2</sup>).

PERIOD OF RECORD: January 1973 to December 1975.

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

EXTREMES: Period of record (1973-75): Maximum contents, 460,000 ac-ft (567.2 hm<sup>3</sup>) Jan. 28, 1974 (elevation, 202.38 ft or 61.685 m); minimum contents since the operating level was first reached, 390,500 ac-ft (481.5 hm<sup>3</sup>) Dec. 2, 1973 (elevation, 199.04 ft or 60.667 m).

REMARKS: The lake is formed by an earthfill dam 11,300 ft (3,440 m) long, including a controlled spillway, with a capacity of 430,300 ac-ft (530.6 hm<sup>3</sup>). The dam was completed on Sept. 1, 1972 and deliberate impoundment began on Jan. 9, 1973. The spillway is a concrete gravity structure, 240 ft (73 m) long, with a net opening of 200 ft (61 m). The spillway has five 40- by 30-foot (12- by 9-m) tainter gates and is located near the center of the dam. The outlet works for low-flow releases are located in a vertical concrete multi-gated inlet tower. There are three gated openings and one uncontrolled opening in the inlet tower. The dam is operated jointly by the San Jacinto River Authority and the City of Houston.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1973	41210	63050	139400	222400	247900	338900	336600	335100	354300	430300	390700	401700
1974	445200	401900	406400	411300	413100	404700	397300	405300	429000	428000	428200	424900
1975	425100	426100	424900	432800	431800	432800	429400	426600	424100	428600	424700	428400
MAX	445200	426100	424900	432800	431800	432800	429400	426600	429000	430300	428200	428400
MIN	41210	63050	139400	222400	247900	338900	336600	335100	354300	428000	390700	401700
MEAN	303837	297017	323567	355500	364267	392133	387767	389667	402467	428967	414533	418333
NO. OF MEAN	3	3	3	3	3	3	3	3	3	3	3	3
DISTR OF MEAN	6.8%	6.6%	7.2%	7.9%	8.1%	8.8%	8.7%	8.7%	9.0%	9.6%	9.3%	9.3%

SAN JACINTO RIVER BASIN

08067610 Lake Conroe at Outflow Weir near Conroe, Texas

LOCATION: Lat 30°21'23", long 95°33'37", Montgomery County, on the left side of the stilling basin of the outflow weir, 620 ft (189 m) downstream from the centerline of the dam, 770 ft (235 m) downstream from the service outlet tower, 3.0 mi (4.8 km) upstream from the bridge on State Highway 105, and 7.4 mi (11.9 km) west of Conroe.

DRAINAGE AREA: 445 mi<sup>2</sup> (1,153 km<sup>2</sup>).

PERIOD OF RECORD: October 1973 to December 1975.

GAGE: Water-stage recorder and sharp-crested weir. Datum of gage is 138.48 ft (42.209 m) above mean sea level, datum of 1929.

EXTREMES: Period of record (1973-75): Maximum discharge, 339 ft<sup>3</sup>/s (9.60 m<sup>3</sup>/s) Feb. 19-25, 1974; many days with no controlled releases.

REMARKS: Records fair. The discharge represents the controlled outflow from the service tower and does not constitute the total outflow from Lake Conroe. The uncontrolled low flows through the weir are published as the station "West Fork San Jacinto River below Lake Conroe" (station 08067650).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1973	-	-	-	-	-	-	-	-	-	12.0	266	1240	-
1974	373	7270	0	0	0	0	0	0	458	0	0	0	8101
1975	0	0	0	0	0	226	0	0	0	0	0	0	226
MAX	373	7270	0	0	0	226	0	0	458	12.0	266	1240	8101
MIN	0	0	0	0	0	0	0	0	0	0	0	0	226
MEAN	187	3635	0	0	0	113	0	0	229	4.00	88.7	413	4670
NO.	2	2	2	2	2	2	2	2	2	3	3	3	2
DISTR OF MEAN	4.0%	77.8%	.0%	.0%	.0%	2.4%	.0%	.0%	4.9%	.1%	1.9%	8.9%	100%

SAN JACINTO RIVER BASIN

08067650 West Fork San Jacinto River below Lake Conroe near Conroe, Texas

LOCATION: Lat 30°20'31", long 95°32'34", Montgomery County, at the bridge on State Highway 105, 3.0 mi (4.8 km) downstream from Lake Conroe Dam, and 5.9 mi (9.5 km) west of Conroe.

DRAINAGE AREA: 451 mi<sup>2</sup> (1,168 km<sup>2</sup>).

PERIOD OF RECORD: August 1972 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 116.06 ft (35.375 m) above mean sea level, datum of 1929.

EXTREMES: Period of record (1972-75): Maximum discharge, 2,750 ft<sup>3</sup>/s (77.9 m<sup>3</sup>/s) Jan. 28, 1974 (gage height, 29.00 ft or 8.839 m); maximum gage height, 30.87 ft (9.409 m) June 13, 1973 (backwater from local runoff); minimum discharge not determined.

Flood of November 1940 reached a stage of 41.94 ft (12.783 m) from information provided by the Texas Highway Department.

REMARKS: Records fair. The discharge is determined only during periods of outflow from Lake Conroe. The low-flow discharges are estimated on the basis of the uncontrolled flow from Lake Conroe. The discharge is estimated during periods of backwater from local runoff.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1972	-	-	-	-	-	-	-	0	0	0	0	0	-
1973	0	0	0	0	0	0	0	0	0	-	-	-	-
1974	-	50980	-	0	0	0	0	0	-	-	65760	20060	-
1975	27620	32710	12180	36310	71700	21930	4970	1790	762	4530	1440	6940	222882
MAX	27620	50980	12180	36310	71700	21930	4970	1790	762	4530	65760	20060	222882
MIN	0	0	0	0	0	0	0	0	0	0	0	0	222882
MEAN	13810	27897	6090	12103	23900	7310	1657	448	254	2265	22400	9000	127134
NO.	2	3	2	3	3	3	3	4	3	2	3	3	1
DISTR OF MEAN	10.9%	21.9%	4.8%	9.5%	18.8%	5.7%	1.3%	.4%	.2%	1.8%	17.6%	7.1%	100%

SAN JACINTO RIVER BASIN

08067700 Caney Creek near Dobbin, Texas

LOCATION: Lat 30°21'13", long 95°48'35", Montgomery County, 46 ft (14.0 m) downstream from the bridge on State Highway 105, 2.5 mi (4.0 km) west of Dobbin, and 5.0 mi (8.0 km) upstream from Lake Creek.

DRAINAGE AREA: 40.4 mi<sup>2</sup> (104.6 km<sup>2</sup>).

PERIOD OF RECORD: April 1963 to September 1965.

GAGE: Water-stage recorder. Datum of gage is 207.48 ft (63.2 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE: 3 years, 14,731 ac-ft/yr (18.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1963-65): Maximum discharge, 12,200 ft<sup>3</sup>/s (345.5 m<sup>3</sup>/s) January 22, 1965 (gage height 13.22 ft or 4.0 m); no flow at times.

Maximum stage since at least 1940, 20 ft (6.1 m) in August 1945, from information by local residents and the Gulf, Colorado, and Santa Fe Railway Co.

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	-	-	-	468	1370	440	0	0	0	0	540	384	-
1964	1120	828	1600	1490	194	785	0	0	436	887	3210	1010	11560
1965	5670	7800	870	455	2490	1430	0	0	0	-	-	-	-
MAX	5670	7800	1600	1490	2490	1430	0	0	436	887	3210	1010	11560
MIN	1120	828	870	455	194	440	0	0	0	0	540	384	11560
MEAN	3395	4314	1235	804	1351	738	0	0	145	444	1608	697	14731
NO.	2	2	2	3	3	3	3	3	3	2	2	2	1
DISTR OF MEAN	23.0%	29.3%	8.4%	5.5%	9.2%	5.0%	.0%	.0%	1.0%	3.0%	10.9%	4.7%	100%

SAN JACINTO RIVER BASIN

08068000 West Fork San Jacinto River near Conroe, Texas

LOCATION: Lat 30°14'40", long 95°27'25", Montgomery County, at the bridge on Interstate Highway 45 and U.S. Highway 75, 281 ft (86 m) upstream from the Missouri-Pacific Railroad Co. bridge, 3.5 mi (5.6 km) downstream from Lake Creek, and 4.2 mi (6.8 km) south of Conroe.

DRAINAGE AREA: 809 mi<sup>2</sup> (2,095 km<sup>2</sup>).

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

GAGE: Water-stage recorder. Datum of gage is 95.03 ft (28.965 m) above mean sea level, datum of 1929, adjustment of 1943. May 7, 1924 to Sept. 30, 1927, nonrecording gage at the railroad bridge 285 ft (87 m) downstream at datum 30.10 ft (9.174 m) higher. July 13, 1939 to Sept. 30, 1963, water-stage recorder at datum 5.0 ft (1.52 m) higher.

AVERAGE DISCHARGE: 41 years, 360,141 ac-ft/yr (444.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1924-27, 1939-75): Maximum discharge, 110,000 ft<sup>3</sup>/s (3,120 m<sup>3</sup>/s) Nov. 25, 1940 (gage height, 30.85 ft or 9.403 m, present datum); no flow June 14, 1956 and Sept. 19 to Oct. 1, 1965 as the result of temporary dams.

Maximum stage since at least December 1913, that of Nov. 25, 1940.

REMARKS: Records good. The flow has been regulated since Jan. 9, 1973 by Lake Conroe (station 08067600), capacity 430,300 ac-ft (530.6 hm<sup>3</sup>), located 14.5 mi (23.3 km) upstream. No diversion above station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1924	-	-	-	-	127000	121000	3340	1670	1730	1250	1240	2530	-
1925	7850	4440	2450	1550	1160	918	827	1260	1080	90400	245000	14800	371735
1926	118000	12300	139000	324000	70700	7280	6730	5230	3000	2030	1800	53900	743970
1927	12500	16600	104000	131000	20100	65300	12300	4120	2170	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	-	-
1939	-	-	-	-	-	-	-	1620	902	772	1280	8530	-
1940	3660	35340	4280	8980	18150	77340	19770	1300	827	902	406600	214200	791349
1941	62260	84040	92860	128400	32210	120700	18550	2800	9320	41930	98740	10870	702680
1942	9740	11120	11550	132400	53330	42550	16450	4200	8880	3300	13900	38990	346410
1943	71150	7270	16340	5910	21230	23450	19470	10110	1650	1800	2250	14260	194910
1944	103700	82300	54660	8370	87930	11660	1890	1890	3030	1510	30800	101300	489040
1945	110400	101000	48120	212700	60340	19520	6770	116700	47560	5850	3910	18630	751500
1946	111800	97460	142600	11800	103800	60900	16340	2120	3660	23230	274100	24960	872770
1947	130500	11140	105900	7730	40190	4440	2870	1670	1570	1360	3210	14340	324920
1948	9770	35110	50020	20990	8790	2100	1690	942	1060	932	1590	2050	135044
1949	7830	49000	71220	63420	7520	2770	3110	2410	2460	60020	4960	61610	336330
1950	83660	99180	25610	35900	55140	174400	4950	1650	4250	2650	1730	2140	491260
1951	3500	6810	12660	6950	2150	1380	942	718	1260	970	1210	3010	41560
1952	2730	16800	15680	80210	29860	7330	1800	776	587	534	1270	6490	164067
1953	12790	26710	13090	23090	174200	3430	2830	2010	5500	1830	8280	55870	329630
1954	18030	7610	3870	4100	11280	1090	2460	2570	517	6830	12910	4630	75897
1955	14950	79640	4960	18290	4040	1730	1330	2740	1090	863	754	1320	131707
1956	2720	15420	6120	16090	2240	1980	781	489	489	501	776	2060	49666
1957	1350	3190	19100	99460	77590	19050	1580	610	1540	53550	139100	36360	452480
1958	111900	52090	11210	18730	61130	1460	829	555	9290	13400	3910	28770	287374
1959	5120	38010	8750	209900	29610	11540	3490	3640	1670	9670	16240	45580	383220
1960	42260	66570	15060	9940	30070	121700	60100	39390	7580	76730	140400	115900	725700
1961	157000	144900	16530	20130	4630	18590	52340	3240	92810	3430	7150	17020	537770
1962	29570	14730	8610	12030	9530	5550	1770	1120	2840	1720	5380	58860	151710
1963	40680	29900	10700	19580	4740	1830	4850	1420	889	823	4130	13650	133192
1964	17660	25760	48560	35930	12790	12070	1490	1100	3020	3960	26630	17270	206240
1965	69710	102600	14740	11000	15440	17700	1290	934	375	1660	3570	35880	274899
1966	27490	65470	19830	79470	69150	3210	1230	1490	3160	3250	1510	2310	277570
1967	2970	2960	2860	11530	3700	8910	815	947	13720	1460	1510	7600	58982
1968	81900	5680	19620	65050	112200	183600	12820	1650	3530	16310	16680	87030	606070
1969	8770	92480	104400	71400	90910	3170	1140	658	1820	841	1270	2240	379099
1970	3220	3340	37160	25720	5110	2280	895	683	1400	6360	1560	1420	89148
1971	1210	1250	1260	2190	14380	2000	686	982	1170	1170	621	7680	34599
1972	8550	7360	6720	8120	65850	3810	1270	1040	1080	1520	14500	15250	135070
1973	32270	26010	61220	69300	19570	97830	6210	5380	26220	88910	82270	48200	563390

SAN JACINTO RIVER BASIN

08068000 West Fork San Jacinto River near Conroe, Texas—Continued

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	148200	67640	7900	3350	6920	4140	1300	2640	88220	25870	123800	41250	521230
1975	49140	61950	22310	81040	105600	39230	19780	12240	7650	17780	7130	19320	443170
MAX	157000	144900	142600	324000	174200	183600	60100	116700	92810	90400	406600	214200	872770
MIN	1210	1250	1260	1550	1160	918	686	489	375	501	621	1320	34599
MEAN	44526	41312	34911	53737	41757	32723	7977	6066	9038	14447	42842	30805	360141
NO.	39	39	39	39	40	40	40	41	41	40	40	40	38
DISTR													
OF MEAN	12.4%	11.5%	9.7%	14.9%	11.6%	9.1%	2.2%	1.7%	2.5%	4.0%	11.9%	8.6%	100%

**SAN JACINTO RIVER BASIN**  
**08068400 Panther Branch near Conroe, Texas**

LOCATION: Lat 30°11'34", long 95°29'09", Montgomery County, 100 ft (30 m) downstream from a pipeline right-of-way, 400 ft (122 m) downstream from the mouth of Bear Branch, 5.6 mi (9.0 km) upstream from Panther Branch near Spring (station 08068450), and 8 mi (13 km) southwest of Conroe.

DRAINAGE AREA: 25.9 mi<sup>2</sup> (67.1 km<sup>2</sup>).

PERIOD OF RECORD: July 1974 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 125.52 ft (38.258 m) above mean sea level, datum of 1929.

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	-	-	-	-	-	-	0	213	799	1110	5720	3850	-
1975	1230	2370	946	4790	1300	627	235	110	9.2	64.0	101	400	12182
MAX	1230	2370	946	4790	1300	627	235	213	799	1110	5720	3850	12182
MIN	1230	2370	946	4790	1300	627	0	110	9.2	64.0	101	400	12182
MEAN	1230	2370	946	4790	1300	627	118	162	404	587	2911	2125	17570
NG.	1	1	1	1	1	1	2	2	2	2	2	2	1
DISTR OF MEAN	7.0%	13.5%	5.4%	27.3%	7.4%	3.6%	.7%	.9%	2.3%	3.3%	16.6%	12.1%	100%

SAN JACINTO RIVER BASIN

08068440 Lake Harrison at Drop Inlet at Woodlands, Texas

LOCATION: Lat 30°08'24", long 95°28'33", Montgomery County, at the end of the walkway to the drop-inlet structure on the dam of Lake A at Woodlands.

DRAINAGE AREA: 0.71 mi<sup>2</sup> (1.84 km<sup>2</sup>).

PERIOD OF RECORD: October 1974 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 100.00 ft (30.480 m) above mean sea level.

REMARKS: Records good.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1974	-	-	-	-	-	-	-	-	-	23.0	175	102	-
1975	57.0	80.0	26.0	190	124	5.70	7.40	0	0	17.0	17.0	28.0	552
MAX	57.0	80.0	26.0	190	124	5.70	7.40	0	0	23.0	175	102	552
MIN	57.0	80.0	26.0	190	124	5.70	7.40	0	0	17.0	17.0	28.0	552
MEAN	57.0	80.0	26.0	190	124	5.70	7.40	0	0	20.0	96.0	65.0	671
NO.	1	1	1	1	1	1	1	1	1	2	2	2	1
DISTR OF MEAN	8.5%	11.9%	3.9%	28.3%	18.5%	.8%	1.1%	.0%	.0%	3.0%	14.3%	9.7%	100%

**SAN JACINTO RIVER BASIN**  
**08068450 Panther Branch near Spring, Texas**

LOCATION: Lat 30°08'04", long 95°28'38", Montgomery County, 300 ft (91 m) upstream from the Sawdust Road bridge, 3.0 mi (4.8 km) upstream from Spring Creek, and 5.1 mi (8.2 km) northwest of Spring.

DRAINAGE AREA: 34.5 mi<sup>2</sup> (89.4 km<sup>2</sup>).

PERIOD OF RECORD: April 1972 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 98.69 ft (30.081 m) above mean sea level, datum of 1929.

EXTREMES: Period of record (1972-75): Maximum discharge, 5,550 ft<sup>3</sup>/s (157 m<sup>3</sup>/s) June 13, 1973 (gage height, 15.94 ft or 4.859 m); no flow for many days.

REMARKS: Records good.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1972	-	-	-	726	6750	116	1.20	45.0	9.1	131	448	105	-
1973	1010	2330	4850	7890	868	8070	470	261	5470	7770	367	2940	42296
1974	10180	483	512	51.0	83.0	62.0	0	264	1660	1210	7840	4910	27255
1975	1730	3290	1400	7080	2360	728	284	162	17.0	137	204	547	17939
MAX	10180	3290	4850	7890	6750	8070	470	264	5470	7770	7840	4910	42296
MIN	1010	483	512	51.0	83.0	62.0	0	45.0	9.1	131	204	105	17939
MEAN	4307	2034	2254	3937	2515	2244	189	183	1789	2312	2215	2126	26105
NO.	3	3	3	4	4	4	4	4	4	4	4	4	3
DISTR OF MEAN	16.5%	7.8%	8.6%	15.1%	9.6%	8.6%	.7%	.7%	6.9%	8.9%	8.5%	8.1%	100%

**SAN JACINTO RIVER BASIN**  
**08068520 Spring Creek at Spring, Texas**

LOCATION: Lat 30°05'31", long 95°24'21", Harris-Montgomery County line, at the bridge on the Riley-Fussell Road, 1.1 mi (1.8 km) northeast of Spring, 2.7 mi (4.3 km) downstream from the Missouri-Pacific Railroad Co. bridge, 3.6 mi (5.8 km) downstream from former station 08068500 at the bridge on Interstate Highway 45, and 6.9 mi (11.1 km) upstream from Cypress Creek.

DRAINAGE AREA: 419 mi<sup>2</sup> (1,085 km<sup>2</sup>).

PERIOD OF RECORD: April 1939 to December 1975. Formerly published as "Spring Creek near Spring".

GAGE: Water-stage recorder. Datum of gage is 62.17 ft (18.949 m) above mean sea level, datum of 1929. Prior to Jan. 5, 1946, nonrecording gage, and Jan. 6, 1946 to Oct. 1, 1965, water-stage recorder at site 3.6 mi (5.8 km) upstream at datum 15.93 ft (4.855 m) higher, unadjusted for land-surface subsidence. Oct. 2, 1965 to December 31, 1975, water-stage recorder at former site at datum 10.93 ft (3.331 m) higher, unadjusted for land-surface subsidence.

AVERAGE DISCHARGE: 37 years, 148,644 ac-ft/yr (183.3 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1939-75): Maximum discharge, 42,700 ft<sup>3</sup>/s (1,210 m<sup>3</sup>/s) Nov. 25, 1940 (gage height, 33.60 ft or 10.241 m, former site and datum, from graph based on gage readings); minimum, 1.1 ft<sup>3</sup>/s (0.031 m<sup>3</sup>/s) Oct. 23, 24, 1956.

Maximum stage since at least 1879, 34.3 ft (10.45 m), former site and datum, May 30, 1929 (discharge, 48,300 ft<sup>3</sup>/s or 1,370 m<sup>3</sup>/s), from floodmarks identified 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	-	-	-	1650	1810	7530	3810	1080	771	635	794	1360	-
1940	1450	5750	1260	2080	1750	17510	6020	857	588	996	150900	119800	308961
1941	21080	30470	57580	115600	23480	38830	8760	2670	22460	19800	32550	4150	377430
1942	3660	5920	6390	70340	4110	9250	11590	2300	5400	2040	7990	9110	138100
1943	26430	3230	6870	2860	8170	5060	35310	8470	1600	1320	1710	3610	104640
1944	34510	28970	42940	4530	31810	5830	1710	2430	1860	1340	9930	42120	207980
1945	53090	25340	7260	103300	37960	3890	2300	74300	12680	5590	2390	11140	339240
1946	48370	56060	30310	5500	73030	35290	35460	2340	2400	8040	134000	10710	441510
1947	70930	5900	9350	3770	32520	3510	2010	1800	1460	1170	1860	7520	141800
1948	4170	8250	9700	5660	3090	1300	1190	823	1330	819	1250	1260	38842
1949	3890	19650	29530	32850	4910	2160	2740	1940	2050	44300	2250	25410	171680
1950	36790	39650	7330	23690	15970	86940	5580	1610	1250	1050	1040	1160	222060
1951	1570	1680	2880	2040	1350	1300	823	569	2810	857	1050	1250	18179
1952	1380	6380	2070	35750	12600	2710	1690	1080	642	469	1140	3310	69221
1953	1810	4640	1510	10270	83270	1860	1430	1640	1600	2250	3340	15650	129270
1954	8290	3450	1620	1680	1290	764	2700	926	352	3210	1680	2180	28142
1955	3730	20870	1910	2450	1400	716	595	747	932	396	349	612	34707
1956	1480	3240	902	984	560	488	343	175	230	188	211	546	9347
1957	278	730	4650	8060	24460	5950	758	452	1280	22460	30880	7390	107348
1958	57730	22560	4340	2720	13790	805	481	354	2180	1510	817	712	107999
1959	877	7370	1770	71180	29510	7020	3520	2280	936	2650	4280	13300	144693
1960	20860	31690	5500	4640	13570	66920	17690	15340	5850	27130	53910	50150	313250
1961	64590	82850	6760	6190	2220	29920	25710	1890	62330	2230	3150	3170	291010
1962	4120	3010	2730	3470	1950	2230	1390	544	910	960	5340	10030	36684
1963	7980	13090	4270	2110	2580	1220	1400	466	339	356	376	1110	35297
1964	1130	3440	10480	9500	4330	2810	571	529	737	697	2280	3070	39574
1965	3520	16110	3310	1880	6680	6050	879	525	924	562	2250	8140	50830
1966	10030	27720	5470	8440	37120	3050	810	1750	1480	5950	952	1180	103952
1967	1440	958	976	1740	1150	881	501	449	4840	1180	797	1610	16522
1968	20610	1860	4310	5890	93320	62800	6450	1710	6040	6480	4660	20320	234450
1969	3860	54580	29520	9620	15870	1370	773	498	766	492	1680	1820	120849
1970	1540	1800	10562	7280	8010	3630	718	374	1140	12710	1540	1080	50384
1971	940	950	710	784	1240	391	367	1310	555	608	404	4860	13119
1972	1920	1790	5450	8140	71040	3790	855	834	850	2130	16810	2950	116559
1973	20660	36130	42410	89150	11390	90360	4560	6000	30030	74080	19070	23680	447520
1974	78360	8390	7480	3530	7290	2180	983	2150	27730	4680	50370	30220	223363
1975	16670	26520	11280	72350	23070	12880	9280	6870	2170	5550	4930	9010	200580
MAX	78360	82850	57580	115600	93320	90360	35460	74300	62330	74080	150900	119800	447520
MIN	278	730	710	784	560	391	343	175	230	188	211	546	9347
MEAN	17771	16972	10594	20045	19126	14303	5453	4056	5716	7213	15106	12289	148644
NO.	36	36	36	37	37	37	37	37	37	37	37	37	36
DISTR OF MEAN	12.0%	11.4%	7.1%	13.5%	12.9%	9.6%	3.7%	2.7%	3.8%	4.9%	10.2%	8.3%	100%

SAN JACINTO RIVER BASIN

08068700 Cypress Creek at Sharp Road near Hockley, Texas

LOCATION: Lat 29°55'15", long 95°50'24", Harris County, at the bridge on Sharp Road, 3.3 mi (5.3 km) upstream from the gage on Cypress Creek at the Katy-Hockley Road bridge near Hockley (station 08068720), and 7.4 mi (11.9 km) south of Hockley.

DRAINAGE AREA: 80.7 mi<sup>2</sup> (209.0 km<sup>2</sup>).

PERIOD OF RECORD: June to December 1975.

GAGE: Water-stage recorder. Datum of gage is 100.00 ft (30.480 m) above mean sea level, datum of 1929, adjustment of 1973.

REMARKS: Records fair. Diversions and return flow for irrigation occur upstream from the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1975	-	-	-	-	-	8880	1520	1100	269	673	348	591	-
MAX	-	-	-	-	-	8880	1520	1100	269	673	348	591	-
MIN	-	-	-	-	-	8880	1520	1100	269	673	348	591	-
MEAN	-	-	-	-	-	8880	1520	1100	269	673	348	591	13381
NO.	0	0	0	0	0	1	1	1	1	1	1	1	0
DISTR OF MEAN	.0%	.0%	.0%	.0%	.0%	66.4%	11.4%	8.2%	2.0%	5.0%	2.6%	4.4%	100%

SAN JACINTO RIVER BASIN

08068720 Cypress Creek at Katy-Hockley Road near Hockley, Texas

LOCATION: Lat 29°57'00", long 95°48'29", Harris County, at the bridge on Katy-Hockley Road, 3.3 mi (5.3 km) downstream from the gage on Cypress Creek at Sharp Road near Hockley (station 08068700), 5.6 mi (9.0 km) southeast of Hockley, and 6.3 mi (10.1 km) upstream from the gage on Cypress Creek at the House and Hahl roads bridge near Cypress (station 08068740).

DRAINAGE AREA: 110 mi<sup>2</sup> (285 km<sup>2</sup>).

PERIOD OF RECORD: June to December 1975.

GAGE: Water-stage recorder. Concrete weir located 0.9 mi (1.4 km) downstream from the gage. Datum of gage is 100.00 ft (30.480 m) above mean sea level, datum of 1929, adjustment of 1973.

REMARKS: Records fair. Diversions and return flow for irrigation occur upstream from the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1975	-	-	-	-	-	10770	1810	1170	285	984	425	1130	-
MAX	-	-	-	-	-	10770	1810	1170	285	984	425	1130	-
MIN	-	-	-	-	-	10770	1810	1170	285	984	425	1130	-
MEAN	-	-	-	-	-	10770	1810	1170	285	984	425	1130	16574
NO.	0	0	0	0	0	1	1	1	1	1	1	1	0
DISTR OF MEAN	.0%	.0%	.0%	.0%	.0%	65.0%	10.9%	7.1%	1.7%	5.9%	2.6%	6.8%	100%

SAN JACINTO RIVER BASIN

08068740 Cypress Creek at House and Hahl Roads near Cypress, Texas

LOCATION: Lat 29°57'32", long 95°43'03", Harris County, at the bridge on House and Hahl roads, 1.4 mi (2.3 m) southwest of Cypress, and 6.3 mi (10.1 km) downstream from the gage on Cypress Creek at the Katy-Hockley Road near Hockley (station 08068720).

DRAINAGE AREA: 131 mi<sup>2</sup> (339 km<sup>2</sup>).

PERIOD OF RECORD: June to December 1975.

GAGE: Water-stage recorder. Datum of gage is 100.00 ft (30.480 m) above mean sea level, datum of 1929, adjustment of 1973.

REMARKS: Records fair. Diversions and irrigation return flow occur upstream from the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1975	-	-	-	-	-	13120	2170	1560	456	1250	623	1300	-
MAX	-	-	-	-	-	13120	2170	1560	456	1250	623	1300	-
MIN	-	-	-	-	-	13120	2170	1560	456	1250	623	1300	-
MEAN	-	-	-	-	-	13120	2170	1560	456	1250	623	1300	20479
NO.	0	0	0	0	0	1	1	1	1	1	1	1	0
DISTR OF MEAN	.0%	.0%	.0%	.0%	.0%	64.1%	10.6%	7.6%	2.2%	6.1%	3.0%	6.3%	100%

SAN JACINTO RIVER BASIN

08069000 Cypress Creek near Westfield, Texas

LOCATION: Lat 30°02'08", long 95°25'43", Harris County, at the bridge on U.S. Highway 75, 0.9 mi (1.4 km) upstream from Senger Gully, 1.8 mi (2.9 km) northwest of Westfield, 2.0 mi (3.2 km) upstream from the Missouri-Pacific Railroad Co. bridge, and 11.0 mi (17.7 km) upstream from the mouth.

DRAINAGE AREA: 285 mi<sup>2</sup> (738 km<sup>2</sup>).

PERIOD OF RECORD: July 1944 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 63.89 ft (19.474 m) above mean sea level, datum of 1929, adjustment of 1943; unadjusted for land-surface subsidence. Prior to Mar. 17, 1951, water-stage recorder at the bridge at datum 12.00 ft (3.658 m) higher.

AVERAGE DISCHARGE: 32 years, 109,578 ac-ft/yr (135.1 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1944-75): Maximum discharge, 22,100 ft<sup>3</sup>/s (626 m<sup>3</sup>/s) Oct. 8, 1949 (gage height, 33.44 ft or 10.193 m, present datum); no flow at times.

Maximum stage since at least 1875, 34 ft (10.4 m), present datum, in May 1929 (discharge, 26,000 ft<sup>3</sup>/s or 736 m<sup>3</sup>/s), from information by a local resident.

REMARKS: Records fair. No diversion above station. The low flow is maintained by sewage effluent. The channel below the gage was rectified in 1950-51 and again in 1975.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1944	-	-	-	-	-	-	305	1430	3900	735	13790	35600	-
1945	48070	13620	2050	63600	5750	1240	330	34590	31620	6660	1100	32290	240920
1946	46350	41400	9850	1830	57320	31630	16890	550	1950	10310	106400	7940	332420
1947	53520	1280	7500	505	28320	2900	824	1890	788	184	373	7600	105684
1948	1500	2640	2720	2530	1280	139	181	5440	150	730	224	440	11486
1949	2060	12600	14810	27550	5470	185	1850	3530	1340	73680	480	22390	165945
1950	12320	29560	1790	6680	8160	55120	10720	197	1790	473	430	90	126862
1951	370	780	1470	1020	451	889	255	101	5970	470	388	1250	12379
1952	323	5800	845	36780	13270	2310	554	186	663	180	1460	6410	68781
1953	1270	5080	468	11090	77480	286	533	1590	4140	1080	4910	8990	116917
1954	5790	150	240	188	355	128	21000	2570	106	3630	623	2300	36864
1955	3110	15670	920	305	286	361	812	1700	969	158	140	840	23548
1956	1680	2350	130	402	109	321	272	870	720	770	680	514	5817
1957	860	210	12670	9910	10790	977	590	610	1800	27270	21260	2660	87753
1958	42780	11540	913	662	3680	980	160	150	6160	2170	406	140	68589
1959	620	7440	464	49700	20000	7500	2520	5560	1120	2380	4200	9600	110546
1960	14910	19400	1800	2100	5930	68840	36120	9140	3630	23580	33440	31350	250240
1961	28510	47870	1890	2760	304	30210	20430	1830	51300	466	2990	1090	189650
1962	467	1100	252	890	619	1910	1480	376	1180	206	6480	4850	19610
1963	4390	6590	529	890	798	1140	1590	520	440	333	359	1390	18168
1964	868	4210	13760	4650	6830	3460	533	552	1270	925	1740	1390	40188
1965	2330	9320	422	194	8270	2340	636	597	1840	1760	6280	12140	46129
1966	7730	24540	2890	14380	43130	2980	547	1710	6370	1360	130	244	106011
1967	711	113	540	1080	532	1400	574	562	5210	2550	219	1040	14045
1968	24320	560	1800	411	62300	49780	6480	530	7410	4370	10360	16820	185141
1969	2290	44870	13450	3790	14400	827	1060	909	1610	640	2750	2460	89056
1970	1560	1300	13040	7320	12260	2750	998	417	2510	33280	3970	259	79664
1971	115	257	780	613	2770	251	389	5010	3170	2290	283	17830	33056
1972	5230	4900	5960	1510	71150	9700	1810	1030	1420	4410	17150	3280	127550
1973	16580	25130	23360	67440	5510	64630	8220	6160	19940	56980	8670	20000	322620
1974	50820	3780	7550	1040	10380	838	2490	5230	41270	4470	42710	29710	200288
1975	8540	16770	6320	50460	20100	18020	6460	3980	1430	5020	2820	5960	145880
MAX	53520	47870	23360	67440	77480	68840	36120	34590	51300	73680	106400	35600	332420
MIN	370	780	130	890	109	980	160	540	720	770	140	90	5817
MEAN	12527	11617	4801	11983	16065	11715	4592	2896	6642	8503	9252	8985	109578
NO.	31	31	31	31	31	31	32	32	32	32	32	32	31
DISTR													
OF MEAN	11.4%	10.6%	4.4%	10.9%	14.7%	10.7%	4.2%	2.6%	6.1%	7.8%	8.4%	8.2%	100%

SAN JACINTO RIVER BASIN

08069500 West Fork San Jacinto River near Humble, Texas

LOCATION: Lat 30°01'37", long 95°15'28", Harris County, at the bridge on U.S. Highway 59, 1,160 ft (353.6 m) upstream from the Texas and New Orleans Railroad Co. bridge, 0.5 mi (0.8 km) downstream from Spring Creek, and 2.5 mi (4.0 km) north of Humble.

DRAINAGE AREA: 1,811 mi<sup>2</sup> (4,690.5 km<sup>2</sup>).

PERIOD OF RECORD: October 1928 to September 1954. Prior to 1938, published as "San Jacinto River near Humble".

GAGE: Water-stage recorder. Datum of gage is 30.53 ft (9.3 m) above mean sea level, datum of 1929. October 23, 1928 to July 16, 1933, chain gage at site 3,000 ft (914.4 m) downstream at same datum. July 17, 1933 to March 5, 1939, chain gage at present site and datum.

AVERAGE DISCHARGE: 27 years, 794,656 ac-ft/yr (979.8 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1928-54): Maximum discharge, 187,000 ft<sup>3</sup>/s (5,295.8 m<sup>3</sup>/s) May 31, 1929 and November 25, 26, 1940; maximum gage height, 32.7 ft (10.0 m) May 31, 1929 and November 26, 1940, present site and datum; minimum discharge, 11 ft<sup>3</sup>/s (0.31 m<sup>3</sup>/s) August 31 and September 1, 2, 1951.

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
1928	-	-	-	-	-	-	-	-	-	2510	3260	9350	-
1929	65200	22000	102000	218000	639000	389000	62100	6270	4750	2950	74400	32400	1618070
1930	113000	162000	80600	21300	75000	6190	2770	2370	2620	13000	8990	120000	607840
1931	108000	156000	189000	27300	56300	4960	4290	2510	1800	1700	7860	59800	619520
1932	280000	181000	103000	18700	24700	6660	3760	4060	3360	2850	2570	9780	640440
1933	16400	78900	103000	23400	6700	3420	3950	4140	3520	2200	2120	3130	250880
1934	76900	228000	191000	173000	7560	2900	2240	1910	3620	8030	17770	91080	804210
1935	74040	108500	76730	152100	686300	23630	10080	7130	17120	7050	38680	427300	1628660
1936	24930	39340	16240	9220	201200	40850	202200	7840	10240	6790	3670	30060	592580
1937	118700	23820	85420	43600	4690	4070	3320	5000	4220	23320	10180	55100	381440
1938	66960	64440	39780	44470	144900	16150	8490	4350	8110	2080	3830	10020	413580
1939	96190	79780	54020	7130	5470	39960	14690	3890	2440	1930	2700	12510	320710
1940	7620	57790	8380	15930	24800	110700	35040	2860	2420	2670	717800	491000	1477010
1941	129600	132800	226100	330600	110700	261600	55980	8110	99130	101500	207400	21380	1684900
1942	22020	28050	31060	252300	61140	68090	73710	12260	30270	7400	36000	67220	689520
1943	144900	15180	36800	15150	31060	42360	94280	51040	4370	4550	10520	27280	477490
1944	209300	176000	180400	22400	184000	37090	5610	8020	16070	5350	66390	196600	1107230
1945	225700	154400	57220	418300	129500	34100	12120	141100	136600	26450	9200	74690	1419380
1946	220000	235300	183700	28110	279200	152700	91160	6670	13150	65330	563000	55790	1894110
1947	311700	26930	119700	14540	129400	19140	7800	6260	5480	3910	6550	43550	694960
1948	21730	59010	82780	35210	17750	4470	4240	2300	2840	2120	3900	3750	240100
1949	18120	90220	161300	157700	25700	7640	14230	9770	7920	253900	11810	149800	908110
1950	189600	217900	48670	69840	94340	305700	29590	5500	9900	5680	3950	4300	984970
1951	6790	10440	20520	15140	4750	4800	2580	1560	13210	3430	3680	5790	92690
1952	4960	35410	22030	151800	58110	15730	5220	2620	2210	1470	4910	16360	320830
1953	18500	38440	19590	47940	395000	7590	5290	4740	11460	5620	22670	74810	651650
1954	33650	11260	7040	7560	13840	2640	39120	8570	1410	-	-	-	-
MAX	311700	235300	226100	418300	686300	389000	202200	141100	136600	253900	717800	491000	1894110
MIN	4960	10440	7040	7130	4690	2640	2240	1560	1410	1470	2120	3130	92690
MEAN	100173	93573	86388	89259	131197	62005	30533	12340	16094	21684	70916	80494	794656
NO.	26	26	26	26	26	26	26	26	26	26	26	26	25
DISTR OF MEAN	12.6%	11.8%	10.9%	11.2%	16.5%	7.8%	3.8%	1.6%	2.0%	2.7%	8.9%	10.1%	100%

SAN JACINTO RIVER BASIN

08070000 East Fork San Jacinto River near Cleveland, Texas

LOCATION: Lat 30°20'11", long 95°06'14", Liberty County, at the bridge on State Highway 105, 1,880 ft (570 m) downstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 1.2 mi (1.9 km) west of Cleveland, and 4.3 mi (6.9 km) downstream from Winter Creek.

DRAINAGE AREA: 325 mi<sup>2</sup> (842 km<sup>2</sup>).

PERIOD OF RECORD: May 1939 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 107.98 ft (32.912 m) above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Sept. 13, 1955, at site 1,800 ft (549 m) upstream at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE: 37 years, 160,546 ac-ft/yr (198.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1939-75): Maximum discharge, 59,000 ft<sup>3</sup>/s (1,670 m<sup>3</sup>/s) Nov. 24, 1940 (gage height, 24.1 ft or 7.35 m, present site and datum); minimum daily, 3.0 ft<sup>3</sup>/s (0.085 m<sup>3</sup>/s) Aug. 23, 24 and Sept. 27, 28, 1956.

Maximum stage since at least 1900, that of Nov. 24, 1940.

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
1939	-	-	-	-	2110	2710	1230	918	578	612	1320	3400	-
1940	2120	16410	2260	8900	4490	17190	11640	926	669	867	184500	99160	349132
1941	23640	32720	30200	46730	31870	64310	6010	2210	8630	33310	58120	7690	345440
1942	8460	9150	12850	52040	37090	24450	5430	7010	8430	2460	7320	28620	203310
1943	34930	6000	11720	9150	4550	3130	11240	3930	1430	1260	1780	3390	92510
1944	24630	26130	19780	5030	33980	4210	1620	2310	2890	998	8220	32770	162568
1945	48520	49740	20960	137000	5870	4230	9950	9170	8770	3490	2240	11350	311290
1946	43800	54070	33780	5900	46460	30930	30580	2180	1870	6010	156600	12390	424570
1947	72470	7140	39380	4760	10640	2440	1780	1680	1390	1180	1990	4520	149370
1948	3560	6450	8810	13070	5670	1560	1980	881	916	805	1350	1490	46542
1949	5330	36960	38910	42920	4340	3850	2680	1290	1510	63410	3660	40340	245200
1950	52000	47420	15830	13010	20090	54130	3130	1490	1580	1390	1410	1730	213210
1951	2330	2970	6610	2980	1600	1510	885	520	1110	823	934	1690	23962
1952	2080	6630	4460	25780	15520	2170	1040	666	722	491	1310	4780	65649
1953	4760	17000	5370	29300	77030	2020	1450	1360	1110	843	1320	6200	147763
1954	7370	3750	1850	3530	4460	714	2310	3600	482	2090	3190	2230	35576
1955	6720	37800	2670	7950	2590	896	685	758	853	703	620	1080	63325
1956	2500	6900	3890	4200	1200	1300	400	339	265	345	570	896	22805
1957	801	1380	8130	16760	28460	9500	1540	1410	2660	29370	68780	23270	192061
1958	47580	19040	5840	3880	14610	1120	686	823	12470	5650	2150	2040	115889
1959	1790	15140	3980	82970	7450	7590	8750	5770	1370	3920	4670	12070	155470
1960	22070	31820	7370	3950	7520	33440	11350	4570	2730	28240	52780	46060	251900
1961	61930	63470	9490	7490	2000	9200	14640	2340	53210	3440	4060	7700	238970
1962	10570	5520	5280	10460	4730	2310	1230	906	2870	1380	2920	32810	80986
1963	17100	16670	6500	3840	1110	2030	2180	742	1150	649	3280	9540	64791
1964	10280	13120	35410	30700	6230	2940	889	855	1260	707	1320	2200	105911
1965	2530	16470	5250	3690	4560	4380	843	801	807	798	1200	8160	49489
1966	11880	29630	6440	27850	25280	2400	958	3860	1770	2670	1100	1880	115718
1967	2600	2960	2570	6450	2270	11270	618	448	517	568	691	1990	32952
1968	12220	1980	10820	21850	58540	86590	3680	890	933	5130	4030	21450	228113
1969	4470	30990	37440	21450	52870	1800	823	619	724	874	1070	2110	155240
1970	3560	3240	13860	11140	5310	1310	686	619	916	1990	1060	1250	44941
1971	1160	1120	1050	924	5700	751	350	631	543	1740	792	8240	23001
1972	7710	4110	5390	3890	22960	953	1110	1180	1250	1050	8720	9190	67513
1973	22800	23390	46020	60540	29590	120400	12520	6010	15900	39050	28350	32700	437270
1974	105300	13870	10030	4560	3580	2700	1690	3390	34680	29990	96380	33260	339430
1975	41760	31560	16140	40020	57370	15540	9690	9030	3500	6270	6500	13210	250590
MAX	105300	63470	46020	137000	77030	120400	30580	9170	53210	63410	184500	99160	437270
MIN	801	1120	1050	924	1110	714	350	339	265	345	570	896	22805
MEAN	20370	19242	13787	21518	17559	14540	4548	2328	4931	7691	19630	14402	160546
NO.	36	36	36	36	37	37	37	37	37	37	37	37	36
DISTR OF MEAN	12.7%	12.0%	8.6%	13.4%	10.9%	9.1%	2.8%	1.4%	3.1%	4.8%	12.2%	9.0%	100%

**SAN JACINTO RIVER BASIN**  
**08070500 Caney Creek near Splendora, Texas**

LOCATION: Lat 30°15'34", long 95°18'08", Montgomery County, at the bridge on Farm Road 2090, 4 mi (6 km) downstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, and 8 mi (13 km) west of Splendora.

DRAINAGE AREA: 105 mi<sup>2</sup> (272 km<sup>2</sup>).

PERIOD OF RECORD: October 1943 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 118.44 ft (36.101 m) above mean sea level, datum of 1929, adjustment of 1943. Prior to June 17, 1965, at site 170 ft (52 m) upstream at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE: 33 years, 51,209 ac-ft/yr (63.1 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1943-75): Maximum discharge, 35,000 ft<sup>3</sup>/s (991 m<sup>3</sup>/s) June 14, 1973 (gage height, 26.30 ft or 8.016 m); minimum, 4.1 ft<sup>3</sup>/s (0.116 m<sup>3</sup>/s) Oct. 26, 1956, caused by construction upstream.

Maximum stage since at least 1885, 27.0 ft (8.23 m) in November 1940, present site and datum, 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
1943	-	-	-	-	-	-	-	-	-	1000	1500	1880	-
1944	10990	7550	8670	2100	12420	2480	1200	1410	1260	891	4780	15790	69541
1945	15970	14590	7490	36090	3360	2220	1770	5780	1730	1450	1250	4500	96200
1946	12860	13480	7720	2830	12240	7130	11380	1430	1600	3110	48600	5110	127490
1947	22610	3370	7540	2240	4460	1700	1410	1220	956	1010	1330	2280	50126
1948	2330	4490	3130	3630	1860	994	1010	772	758	694	918	924	21510
1949	2820	11750	12190	10040	1950	1200	1410	1090	910	23450	1760	11640	80210
1950	15290	11990	4400	5060	10160	16590	1920	1120	1480	1080	1080	1170	71340
1951	1390	1760	2810	1410	1020	1010	730	643	832	706	869	1200	14380
1952	1140	3340	1910	8400	5510	1190	1000	638	562	576	1060	2130	27456
1953	1200	3770	1740	8600	11640	1170	835	764	725	657	912	2730	34743
1954	2350	1440	1010	1330	1720	599	2010	1310	525	1540	1710	1320	16864
1955	2380	7720	1290	2410	1240	776	809	608	699	659	531	744	19866
1956	1380	3550	1460	1280	847	924	510	412	351	404	488	643	12249
1957	655	906	2020	4930	3780	3350	717	588	1410	8740	11680	6020	44796
1958	13590	5580	2590	3130	3940	865	615	553	2350	2570	1470	1250	38503
1959	1220	6000	1690	22960	2740	2640	2210	1890	1210	3110	2910	4250	52830
1960	7940	10070	2880	2600	1810	14330	8920	6710	1780	15150	12550	12980	97720
1961	15270	20440	3940	4430	1640	6870	8670	2280	17620	2370	2670	3150	89350
1962	3660	2750	2870	4730	1760	1980	1010	867	1380	990	2390	10220	34607
1963	4220	4450	2620	1670	996	835	1530	725	716	643	3980	5550	27935
1964	4400	5670	11040	7060	2180	1690	713	570	876	677	982	1120	36978
1965	1350	5780	1650	1360	3570	1740	604	797	771	621	687	2440	21370
1966	2810	7090	1990	7470	11430	1180	839	1160	768	838	687	954	37216
1967	1100	1060	1100	1750	1690	4590	764	647	1090	696	635	1390	16512
1968	5390	1100	4210	6980	13660	22970	1890	1040	918	3940	1780	7150	71028
1969	1880	11850	10560	6080	13240	1250	714	519	842	834	855	1320	49944
1970	1370	1870	5640	4360	2790	1360	820	699	753	1160	778	805	22405
1971	831	758	753	810	3240	619	447	669	615	642	538	2700	12622
1972	2550	1360	1940	1450	7460	865	681	694	593	682	4490	2600	25365
1973	7550	7930	15090	19630	9990	5010	4360	3780	11100	15820	10090	9430	119780
1974	27140	5410	4240	2040	2520	2240	1130	2840	11000	11990	33080	10270	113900
1975	11860	10590	5360	18300	14500	6590	5310	2600	3000	4070	3140	6830	92150
MAX	27140	20440	15090	36090	14500	22970	11380	6710	17620	23450	48600	15790	127490
MIN	655	758	753	810	847	599	447	412	351	404	488	643	12249
MEAN	6484	6233	4486	6474	5355	3717	2123	1463	2224	3417	4915	4318	51209
NO.	32	32	32	32	32	32	32	32	32	33	33	33	32
DISTR OF MEAN	12.7%	12.2%	8.8%	12.6%	10.5%	7.3%	4.1%	2.9%	4.3%	6.7%	9.6%	8.4%	100%

**SAN JACINTO RIVER BASIN**  
**08071000 Peach Creek at Splendora, Texas**

LOCATION: Lat 30°13'57", long 95°10'05", Montgomery County, at the bridge on Farm Road 2090, 1,500 ft (457 m) west of the railroad depot at Splendora, 2.5 mi (4.0 km) upstream from the Texas and New Orleans Railroad Co. bridge, 2.5 mi (4.0 km) upstream from the bridge on U.S. Highway 59, and 9.7 mi (15.6 km) upstream from Caney Creek.

DRAINAGE AREA: 117 mi<sup>2</sup> (303 km<sup>2</sup>).

PERIOD OF RECORD: October 1943 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 81.61 ft (24.875 m) above mean sea level, datum of 1929, adjustment of 1936. Prior to Oct. 1, 1965, at same site and 5.00 ft (1.524 m) higher datum.

AVERAGE DISCHARGE: 33 years, 52,991 ac-ft/yr (65.3 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1943-75): Maximum discharge, 28,500 ft<sup>3</sup>/s (807 m<sup>3</sup>/s) Oct. 8, 1949 (gage height, 22.73 ft or 6.928 m); minimum, 1.1 ft<sup>3</sup>/s (0.031 m<sup>3</sup>/s) Sept. 28-30, 1956.

Maximum stage since at least 1895, that of Oct. 8, 1949.

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	-	-	-	-	-	-	-	-	-	1070	1640	2100	-
1944	8060	7150	10970	3120	14950	2290	1210	1760	1650	1010	3560	9770	65500
1945	12060	13190	5050	29040	4220	3020	2370	7900	2260	2310	1730	4130	87280
1946	9970	19430	9940	3100	10620	7960	11600	1660	1660	3940	50580	6840	137300
1947	24670	4900	8070	2970	7260	1870	1370	1230	1150	1010	1560	3800	59860
1948	3530	5270	3790	4230	2380	1110	1160	732	730	744	1110	1170	25956
1949	2180	8780	20700	11230	3140	2380	3570	1560	954	55830	2260	15150	127734
1950	24540	14590	7220	5600	11280	11130	2190	1250	1160	1040	1180	1390	82570
1951	1920	1980	2720	1670	1090	1220	665	505	879	726	887	1300	15562
1952	1380	2630	1840	9010	3730	1110	912	684	542	513	1170	2170	25691
1953	1830	3450	2250	14440	19630	1070	817	885	877	635	1030	2260	49174
1954	2590	1400	1110	1100	1110	486	2370	1390	352	2010	954	1110	15982
1955	1810	7180	1410	2130	1040	602	544	628	707	590	438	809	17888
1956	1390	2020	1380	1280	671	789	267	192	147	169	330	654	9289
1957	652	946	2880	3140	3790	5310	495	401	1720	8140	10060	4250	41784
1958	16820	8690	3580	2750	3460	662	551	378	1540	1610	1520	1410	42971
1959	1360	4190	2040	13700	2990	1670	5330	2660	1130	2200	1920	5620	44810
1960	8540	9750	3480	2100	2180	7160	2290	2350	1450	15170	9790	11960	76220
1961	17790	24950	6710	4270	1650	10300	7830	1880	20340	2760	3200	4250	105930
1962	3930	3480	2860	2920	2750	2130	1160	701	1250	918	1350	3360	26809
1963	3200	4120	2160	1500	805	749	824	501	697	591	1700	2420	19267
1964	2480	3640	7810	5230	1900	1660	571	585	673	548	856	1140	27093
1965	1290	1880	1690	1230	1240	695	411	630	623	602	917	2270	13478
1966	2980	8140	2140	4180	8180	1390	613	1240	703	760	666	1070	32062
1967	1300	1040	1070	1230	677	933	350	376	1440	572	531	1210	10729
1968	2710	1160	1730	1640	12680	18600	1560	530	742	1360	1040	3010	46762
1969	2020	7260	8530	4370	12130	997	467	376	521	565	932	1550	39718
1970	1800	1580	5220	4240	5360	1280	446	336	536	1950	745	782	24275
1971	942	795	703	544	2120	435	225	450	447	573	511	2980	10725
1972	2470	1460	2140	1560	9830	594	667	651	533	704	6920	3380	30909
1973	7150	14590	13410	19440	8320	47550	16640	5260	10590	11660	4750	14260	173620
1974	38650	6450	5890	2800	2520	1640	1060	1870	6850	4880	25120	20480	118210
1975	12860	11070	8230	18310	13460	7570	5890	5640	2200	3290	3480	6500	98500
MAX	38650	24950	20700	29040	19630	47550	16640	7900	20340	55830	50580	20480	173620
MIN	652	795	703	544	671	435	225	192	147	169	330	654	9289
MEAN	7027	6474	4960	5752	5536	4574	2388	1475	2095	3953	4377	4380	52991
NO.	32	32	32	32	32	32	32	32	32	33	33	33	32
DISTR OF MEAN	13.3%	12.2%	9.4%	10.9%	10.4%	8.6%	4.5%	2.8%	4.0%	7.5%	8.3%	8.3%	100%

**SAN JACINTO RIVER BASIN**

08071500 San Jacinto River near Huffman, Texas

LOCATION: Lat 29°59'40", long 95°08'00", Harris County, at the Beaumont, Sour Lake, and Western Railway bridge, 0.4 mi (0.6 km) downstream from the confluence of the East and West Forks, and 3.4 mi (5.5 km) southwest of Huffman.

DRAINAGE AREA: 2,791 mi<sup>2</sup> (7,228.7 km<sup>2</sup>).

PERIOD OF RECORD: October 1936 to September 1953.

GAGE: Water-stage recorder. Datum of gage is 1.93 ft (0.6 m) above mean sea level, datum of 1929. Prior to July 10, 1941, wire-weight gage at same site and datum.

AVERAGE DISCHARGE: 18 years, 1,418,214 ac-ft/yr (1,748.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1936-53): Maximum discharge, 253,000 ft<sup>3</sup>/s (7,165.0 m<sup>3</sup>/s) November 26, 1940 (gage height, 51.2 ft or 15.6 m); minimum, 49 ft<sup>3</sup>/s (1.4 m<sup>3</sup>/s) September 1, 1939 and September 13, 14, 1940.

Maximum stage known since at least 1876, that of November 26, 1940.

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
1936	-	-	-	-	-	-	-	-	-	22460	11770	62090	-
1937	202400	42590	165200	77100	11670	9990	8090	9720	9350	36300	16350	84030	672790
1938	129000	108000	56530	58160	195000	28820	20250	9060	12120	5550	8490	16340	647320
1939	162000	152800	115400	16980	14460	52980	35830	6460	3970	4100	5730	19030	589740
1940	13030	82500	14480	37430	39280	136100	53160	6920	5000	4880	1304000	860000	2556780
1941	170100	233800	375300	568600	209300	485900	75150	17810	212900	167400	440800	47870	3004930
1942	47930	59630	79510	465400	123600	133500	125900	58850	88250	16280	53810	108300	1360960
1943	238500	32050	71520	37350	54320	58000	145600	91900	11440	8910	20660	47890	818140
1944	301700	237200	256300	39080	289800	54970	11910	13530	27350	9770	88230	274700	1604540
1945	369600	267800	113500	763700	170100	72180	36900	165600	221900	44690	18790	153800	2398560
1946	364200	396200	288900	46440	421800	260600	213800	15560	21920	85160	1186000	120500	3421080
1947	553700	46600	208700	33590	167200	28740	14800	11980	9570	8060	13500	72110	1168550
1948	41700	114700	121900	65710	31780	8970	9580	5320	6410	5010	7880	8000	426960
1949	31250	156100	329700	278800	41760	19430	28740	17470	12750	683600	24130	321000	1944730
1950	397600	368900	98250	108400	179600	457000	37120	10700	11880	9870	7920	9290	1696530
1951	13710	16440	40210	25210	9990	9870	5570	4060	19100	6540	7120	11950	169770
1952	10040	62410	29540	258500	128900	27360	11480	5000	5320	3340	8880	29620	580390
1953	38420	91860	40010	64350	655200	21730	12340	10290	17320	-	-	-	-
MAX	553700	396200	375300	763700	655200	485900	213800	165600	221900	683600	1304000	860000	3421080
MIN	10040	16440	14480	16980	9990	8970	5570	4060	3970	3340	5730	8000	169770
MEAN	181464	145269	141468	173224	161398	109773	49778	27072	40974	65995	189651	132148	1418214
NO.	17	17	17	17	17	17	17	17	17	17	17	17	16
DISTR													
OF MEAN	12.8%	10.2%	10.0%	12.2%	11.4%	7.7%	3.5%	1.9%	2.9%	4.7%	13.4%	9.3%	100%

**SAN JACINTO RIVER BASIN**  
**08072000 Lake Houston near Sheldon, Texas**

LOCATION: Lat 29°54'58", long 95°08'28", Harris County, at the intake structure on the San Jacinto River near the right bank 100 ft (30 m) upstream from Lake Houston Dam, 4.0 mi (6.4 km) north of Sheldon, 4.6 mi (7.4 km) upstream from the bridge on U.S. Highway 90, and 18 mi (29.0 km) northeast of Houston.

DRAINAGE AREA: 2,828 mi<sup>2</sup> (7,325 km<sup>2</sup>) at dam.

PERIOD OF RECORD: April 1954 to December 1975.

GAGE: Water-stage recorder. Datum of gage at dam is 0.70 ft (0.213 m) below mean sea level, datum of 1929, adjustment of 1959; unadjusted for land-surface subsidence. Prior to Aug. 3, 1954, nonrecording gage.

EXTREMES: Period of record (1954-75): Maximum contents, 210,000 ac-ft (258.9 hm<sup>3</sup>) June 15, 1973 (gage height, 49.08 ft or 14.960 m); minimum contents since the first filling of the lake in August 1954, 53,380 ac-ft (65.8 hm<sup>3</sup>) Dec. 1, 1971 (gage height, 34.08 ft or 10.388 m).

REMARKS: The lake is formed by two earthfill embankment sections and a 3,160-foot long (963-m) concrete spillway midway between the embankment sections, with a capacity of 146,700 ac-ft (180.9 hm<sup>3</sup>). The total length of the dam, including the spillway, is 12,097 ft (3,687 m). The dam was completed and storage began on Apr. 9, 1954. The spillway is a slab-and-buttress (Ambursen type) structure and includes two tainter gates, 18.0 by 20.5 ft (5.5 by 6.2 m), that can be used for control of releases below 44.5 ft (13.56 m) gage height and above 28.0 ft (8.53 m) gage height. In addition, there is a 36-inch diameter (914-millimeter) sluice gate that is used for low-flow releases. The dam is operated by the City of Houston.

END OF MONTH CONTENTS IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1954	-	-	-	7300	23530	18700	114600	149600	139100	157000	158200	157000
1955	159500	160800	152000	159500	158200	147300	140200	143700	141400	132400	124900	124900
1956	132400	157000	157000	155800	146100	140200	121800	106600	95400	87450	81500	86600
1957	84050	87450	160800	182000	168500	160800	152000	140200	162000	160800	164500	168500
1958	168500	167200	159500	163200	159500	148500	133500	126000	162000	159500	157000	153200
1959	154500	163200	158200	162000	162000	163200	163200	162000	160800	160600	158800	164000
1960	162100	169200	160800	169200	155600	178500	161400	167200	160100	182900	163800	177500
1961	163200	164500	160200	161600	157200	162400	162100	161400	162000	101600	158500	157600
1962	164200	157100	157100	166400	154500	157400	146300	131500	131300	129200	161600	171400
1963	159000	161000	157900	155400	151100	143500	140800	126000	118900	110600	116800	149300
1964	160400	161400	159100	166100	166100	156000	141900	133500	130800	124300	150700	157200
1965	158600	162800	157200	154900	164900	153900	141000	128600	123800	108300	119200	148100
1966	151400	151700	151100	154600	149700	145400	136000	143700	143900	145300	136500	133300
1967	135400	134800	131700	143700	140400	136200	128300	116600	132000	128100	120700	130300
1968	148600	142500	148200	147700	152200	157800	147200	138100	144800	144800	152200	149400
1969	148000	152200	150200	151200	148000	137500	121700	104000	97520	87000	85050	95950
1970	100900	108000	147800	148300	155900	137200	124500	105300	102600	150200	138000	128500
1971	118500	110500	98730	89940	111700	96500	77490	75470	71400	64230	53920	130600
1972	153400	146600	148100	153800	147100	144600	139200	129400	127200	124100	149400	149800
1973	152900	152400	155700	151200	147600	150200	147600	152400	152900	156200	151300	153300
1974	160400	151300	152400	148700	148600	137800	123300	130400	151600	166600	154600	156600
1975	152700	150400	152900	152300	162500	154000	151700	152000	141700	154900	145200	157700
MAX	168500	169200	160800	182000	168500	178500	163200	167200	162000	182900	164500	177500
MIN	84050	87450	98730	7300	23530	18700	77490	75470	71400	64230	53920	86600
MEAN	147079	148193	151268	147493	146860	142164	137081	132894	134237	133458	136471	145489
NO.	21	21	21	22	22	22	22	22	22	22	22	22
DISTR OF MEAN	8.6%	8.7%	8.9%	8.7%	8.6%	8.3%	8.1%	7.8%	7.9%	7.8%	8.0%	8.5%

SAN JACINTO RIVER BASIN

08072500 Barker Reservoir near Addicks, Texas

LOCATION: Lat 29°46'11", long 95°38'49", Harris County, at the dam on Buffalo Bayou, 45 ft (14 m) upstream from the reservoir outlet works, 1,160 ft (354 m) upstream from the Addicks-Howell county road bridge, 1.1 mi (1.8 km) south of Addicks, and 1.2 mi (1.9 km) upstream from South Mayde Creek.

DRAINAGE AREA: 134 mi<sup>2</sup> (347 km<sup>2</sup>). During extreme floods when the capacity of the drainage ditches is exceeded, the drainage area is defined by natural ridge lines and is 150 mi<sup>2</sup> (388 km<sup>2</sup>).

PERIOD OF RECORD: August 1945 to December 1975.

GAGE: Water-stage recorders. Datum of gage is 0.33 ft (0.101 m) below mean sea level, datum of 1929, unadjusted for land-surface subsidence.

EXTREMES: Period of record (1945-75): Maximum contents, 39,200 ac-ft (48.3 hm<sup>3</sup>) May 15, 1968 (gage height, 94.60 ft or 28.834 m); minimum contents not determined.

REMARKS: The reservoir is formed by a rolled earthfill dam 72,900 ft (22,200 m) long. The dam was completed on Feb. 3, 1946, but was used as early as the spring of 1945 for flood control. The reservoir is operated for flood protection for the City of Houston. The controlled outlet works consists of five concrete conduits, 9 by 7 ft (2.7 by 2.1 m) wide, each controlled by a vertical slide gate. The capacity between the bottom of the conduits (gage height, 75.0 or 22.86 m) and the top of the design flood pool (gage height, 101.9 ft or 31.06 m) is 127,900 ac-ft (157.7 hm<sup>3</sup>). There is no emergency spillway, but runoff in excess of the design flood will be discharged around both ends of the dam. 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
1945	-	-	-	-	-	-	-	0	0	0	0	0
1946	0	0	0	0	0	0	0	0	0	0	0	0
1947	0	0	0	0	0	0	0	0	0	0	0	0
1948	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	34.0	0	0	0	0	0	0	0	0
1950	0	0	0	0	0	0	0	0	0	0	0	0
1951	0	0	0	0	0	0	0	0	0	0	0	0
1952	0	0	0	0	0	0	0	0	0	0	0	0
1953	0	0	0	0	0	0	0	0	0	0	0	0
1954	0	0	0	0	0	0	79.0	0	0	0	0	0
1955	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	0	0	0	0	0	0	0	0	0	0
1957	0	0	19.0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	0	0	0	0	0	0	0	0
1959	0	0	0	0	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	20690	0	0	0	72.0	0	0
1961	0	11.0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	155	403
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	53.0	10.0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	122	7.00	40.0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	35.0	0	0	0	4090	8140	0	0	0	0	46.0	0
1969	0	12310	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	8680	0	0
1971	0	0	0	0	10.0	0	0	38.0	6390	0	0	14810
1972	8980	0	0	0	22450	6.00	0	0	170	38.0	368	0
1973	7.00	378	0	16550	0	6730	19.0	44.0	0	12830	3.00	422
1974	13810	124	193	4.00	11.0	4.00	7.00	182	2050	162	1530	11.0
1975	3.70	3.60	3.60	17.0	9450	3940	19.0	291	8.90	948	5.80	2210
MAX	13810	12310	193	16550	22450	20690	79.0	291	6390	12830	1530	14810
MIN	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	763	428	11.3	554	1202	1317	4.13	17.9	278	733	68.0	576
NO.	30	30	30	30	30	30	30	31	31	31	31	31
DISTR OF MEAN	12.8%	7.2%	.2%	9.3%	20.2%	22.1%	.1%	.3%	4.7%	12.3%	1.1%	9.7%

**SAN JACINTO RIVER BASIN**  
**08073000 Addicks Reservoir near Addicks, Texas**

LOCATION: Lat 29°47'28", long 95°37'24", Harris County, at the dam on South Mayde Creek, 65 ft (20 m) upstream from the reservoir outlet works, 2,700 ft (823 m) upstream from the bridge on U.S. Highway 90, 1.2 mi (1.9 km) east of Addicks, and 1.4 mi (2.3 km) upstream from the mouth.

DRAINAGE AREA: 133 mi<sup>2</sup> (344 km<sup>2</sup>). During extreme floods when the capacity of the drainage ditches is exceeded, the drainage area is defined by natural ridge lines and is 129 mi<sup>2</sup> (334 km<sup>2</sup>).

PERIOD OF RECORD: June 1948 to December 1975.

GAGE: Water-stage recorders. Datum of gage is at mean sea level, unadjusted for land-surface subsidence.

EXTREMES: Period of record (1948-75): Maximum contents, 37,460 ac-ft (46.2 hm<sup>3</sup>) May 15, 1968 (elevation, 100.02 ft or 30.486 m); minimum contents not determined.

Flood in December 1935 reached a stage of 89.9 ft (27.40 m) at the bridge on U.S. Highway 90, 2,700 ft (823 m) downstream from the gage, from information by the Corps of Engineers.

REMARKS: The reservoir is formed by a rolled earthfill dam 61,166 ft (18,643 m) long. The dam was completed in December 1948. The reservoir is operated for flood protection for the City of Houston. The outlet works consist of five concrete conduits 8 by 6 ft (2.4 by 1.8 m) wide, each controlled by a vertical slide gate. Runoff in excess of the maximum design capacity will be discharged around both ends of the dam. 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
1948	-	-	-	-	-	0	0	0	0	0	0	0
1949	0	5.00	0	0	0	0	0	0	0	0	0	0
1950	0	0	0	0	0	0	0	0	0	0	0	0
1951	0	0	0	0	0	0	0	0	0	0	0	0
1952	0	0	0	0	0	0	0	0	0	0	0	0
1953	0	0	0	0	0	0	0	0	0	0	0	0
1954	0	0	0	0	0	0	8350	0	0	0	0	0
1955	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	0	0	0	0	0	0	0	0	0	0
1957	0	0	0	68.0	0	0	0	0	0	0	0	0
1958	0	0	0	0	0	0	0	0	0	0	0	0
1959	0	0	0	0	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	5780	0	0	0	15.0	0	20.0
1961	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	351	15.0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	70.0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	3.00	0	0	4050	3780	67.0	0	0	0	48.0	34.0
1969	0	7680	0	0	0	0	0	0	0	0	1.00	0
1970	0	0	0	0	55.0	0	0	0	0	5650	0	0
1971	0	0	0	0	120	0	0	35.0	2740	55.0	0	156.30
1972	8810	0	80.0	0	1460	0	0	0	94.0	2.00	324	0
1973	1.00	284	0	8350	0	1470	0	29.0	0	6130	0	368
1974	12620	101	144	0	9.00	0	0	59.0	875	49.0	828	13.0
1975	0	0	0	12.0	6680	815	9.2	104	.20	886	3.50	8.42
MAX	12620	7680	144	8350	6680	5780	8350	104	2740	6130	828	156.30
MIN	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	794	299	8.30	312	461	423	301	8.11	132	457	55.6	604
NO.	27	27	27	27	27	28	28	28	28	28	28	28
DISTR OF MEAN	20.6%	7.8%	.2%	8.1%	12.0%	11.0%	7.8%	.2%	3.4%	11.8%	1.4%	15.7%

SAN JACINTO RIVER BASIN

08073500 Buffalo Bayou near Addicks, Texas

LOCATION: Lat 29°45'42", long 95°36'20", Harris County, at the bridge on Dairy-Ashford Road over the rectified channel, 1.8 mi (2.9 km) downstream from South Mayde Creek, and 2.6 mi (4.2 km) southeast of Addicks.

DRAINAGE AREA: 293 mi<sup>2</sup> (759 km<sup>2</sup>). During extreme floods when the capacity of the drainage ditches is exceeded, the drainage area is defined by natural ridge lines and is 310 mi<sup>2</sup> (803 km<sup>2</sup>).

PERIOD OF RECORD: September 1945 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 1.40 ft (0.427 m) below mean sea level, datum of 1929, adjustment of 1973; records unadjusted to land-surface subsidence. Prior to Feb. 2, 1948, water-stage recorder at a bridge on the natural channel 1,200 ft (366 m) to the right at the same datum. Feb. 2 to May 21, 1948, nonrecording gage at the present site and datum.

AVERAGE DISCHARGE: 31 years, 148,172 ac-ft/yr (182.7 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1945-75): Maximum discharge, 11,200 ft<sup>3</sup>/s (317 m<sup>3</sup>/s) Aug. 29, 1945 (gage height, 81.23 ft or 24.759 m, former site); no flow at times.

Maximum stage since at least 1896, 85.6 ft (26.09 m) in December 1935, adjusted to the former site from floodmark, 0.5 mi (0.8 km) downstream, on the basis of slope of the flood of Aug. 29, 1945, from information by a local resident.

REMARKS: Records fair. The floodflow is regulated by Barker and Addicks Reservoirs (stations 08072500 and 08073000) located 3.2 and 3.0 mi (5.1 and 4.8 km) upstream, respectively (combined capacity, 315,900 ac-ft or 389.5 hm<sup>3</sup>). The extreme low flow is sustained by the drainage from irrigated lands.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1945	-	-	-	-	-	-	-	-	50690	19370	426	49950	-
1946	44050	31010	9860	301	75230	43490	11140	1570	7470	15400	106500	8280	354301
1947	49990	800	8040	684	31720	1200	1640	12290	2850	770	3080	28050	141114
1948	5230	7850	5760	1930	3260	371	147	990	720	359	2160	830	27969
1949	4500	15430	14570	39940	2330	545	7020	3850	8970	51900	473	45080	194608
1950	10230	26430	1700	4230	5000	36480	3680	599	3270	879	660	165	92729
1951	430	213	6120	779	279	391	128	352	7100	944	448	611	17795
1952	133	4260	842	32620	5020	2380	2890	1010	2450	908	5200	19040	76753
1953	3040	5810	533	4910	82560	863	1310	8750	15360	1140	14530	18530	157336
1954	10170	318	114	6460	352	263	14130	24700	2570	3540	3220	1300	67137
1955	6660	26020	145	156	1210	1110	1750	5460	5780	802	290	196	49318
1956	5290	4890	560	3760	1270	2190	110	971	1310	126	166	1110	21249
1957	123	426	34850	14120	13490	4160	450	333	5150	64180	25360	2530	165172
1958	30060	14120	917	1680	1910	1200	692	2120	14360	1900	1430	171	70560
1959	409	33020	1820	67090	5080	4630	4490	17750	5720	4440	17280	16830	178559
1960	13360	17520	1310	6160	5510	64200	54020	17370	8180	32480	31130	32600	283840
1961	30190	74290	2290	2410	2640	59480	33000	3900	51200	840	27050	7460	294750
1962	904	4400	377	1440	698	15800	14410	2200	5920	6220	9050	20590	82009
1963	24600	9850	514	519	2780	6230	3910	2060	2690	1610	1860	5940	62563
1964	3780	18440	26310	2400	1670	4640	4470	4540	6510	5330	2190	4930	85210
1965	7150	10800	373	1020	5170	1430	3790	3190	5470	7740	25440	19130	90703
1966	10450	29040	6150	30960	33030	2640	4490	13820	13610	3700	333	1250	149473
1967	3780	925	477	6100	4960	4320	5820	3320	15470	7430	589	3510	56701
1968	28490	1780	2540	1660	98290	64510	36210	4740	14000	5900	4450	12170	274740
1969	5280	38340	34180	4550	13340	2160	5920	5570	4100	3870	5710	5160	128180
1970	4220	2390	23340	3810	19320	6350	6330	4650	14520	61430	20920	671	167951
1971	737	1680	594	4610	8560	3260	5520	19540	21340	22810	1000	16000	105651
1972	24740	34630	17420	1990	43180	36670	9560	4330	5760	11220	25690	4440	219630
1973	17330	24500	8210	43550	28490	62820	24520	14130	36310	42800	29480	8500	340640
1974	32290	28510	6700	4090	15990	2130	6970	8030	49170	10200	55490	32140	251710
1975	4520	11000	3490	8570	12270	60000	19260	18570	8600	6680	8350	6540	167850
MAX	49990	74290	34850	67090	98290	64510	54020	24700	51200	64180	106500	49950	354301
MIN	123	213	560	156	279	263	110	990	720	126	290	830	17795
MEAN	12738	15956	7320	10083	17487	16530	9593	6994	12794	12804	13842	12031	148172
NO. OF MEAN	30	30	30	30	30	30	30	30	31	31	31	31	30
DISTR	8.6%	10.8%	4.9%	6.8%	11.8%	11.2%	6.5%	4.7%	8.6%	8.6%	9.3%	8.1%	100%

SAN JACINTO RIVER BASIN

08073600 Buffalo Bayou at West Belt Drive at Houston, Texas

LOCATION: Lat 29°45'43", long 95°33'27", Harris County, at the bridge on West Belt Drive in west Houston, 100 ft (30 m) downstream from Rummel Creek, 3.5 mi (5.6 km) downstream from the gage, Buffalo Bayou near Addicks, and 3.7 mi (6.0 km) upstream from the gage, Buffalo Bayou at Piney Point.

DRAINAGE AREA: 307 mi<sup>2</sup> (795 km<sup>2</sup>).

PERIOD OF RECORD: September 1971 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 0.67 ft (0.204 m) below mean sea level, datum of 1929.

AVERAGE DISCHARGE: 5 years, 270,348 ac-ft/yr (333.3 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1971-75): Maximum discharge, 3,770 ft<sup>3</sup>/s (107 m<sup>3</sup>/s) Mar. 20, 1972 (gage height, 61.48 ft or 18.739 m); minimum, 25 ft<sup>3</sup>/s (0.71 m<sup>3</sup>/s) Nov. 21, 1971.

REMARKS: Records good. The floodflow is regulated by Barker and Addicks Reservoirs (stations 08072500 and 08073000) located 10.1 and 10.3 mi (16.3 and 16.6 km) upstream respectively. The low flow is sustained by the sewage effluent from the Houston suburbs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1971	-	-	-	-	-	-	-	-	23510	23580	2280	19170	-
1972	26610	34390	19490	3100	45880	39990	10820	5350	6610	10900	25420	6230	234790
1973	18570	27360	9570	47620	31720	67180	27650	15850	40630	46560	31270	10460	374440
1974	37780	32580	9530	5550	18510	4110	9470	12750	50220	13600	60230	36270	290600
1975	6810	13680	5190	11490	15890	63500	22970	22450	11790	8890	11020	8830	202510
MAX	37780	34390	19490	47620	45880	67180	27650	22450	50220	46560	60230	36270	374440
MIN	6810	13680	5190	3100	15890	4110	9470	5350	6610	8890	2280	6230	202510
MEAN	22443	27003	10945	16940	28000	43695	17728	14100	26552	20706	26044	16192	270348
NO.	4	4	4	4	4	4	4	4	5	5	5	5	4
DISTR OF MEAN	8.3%	10.0%	4.0%	6.3%	10.4%	16.2%	6.6%	5.2%	9.8%	7.7%	9.6%	6.0%	100%

**SAN JACINTO RIVER BASIN**  
**08073700 Buffalo Bayou at Piney Point, Texas**

LOCATION: Lat 29°44'48", long 95°31'24", Harris County, at the bridge on Piney Point Road, village of Piney Point, 3.7 mi (6.0 km) downstream from Rummel Creek, 7.2 mi (11.6 km), downstream from the gage, Buffalo Bayou near Addicks, and 12.5 mi (20.1 km) upstream from the gage, Buffalo Bayou at Houston.

DRAINAGE AREA: 317 mi<sup>2</sup> (821 km<sup>2</sup>).

PERIOD OF RECORD: October 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 1.35 ft (0.412 m) below mean sea level, datum of 1929, adjustment of 1973.

AVERAGE DISCHARGE: 13 years, 194,659 ac-ft/yr (240.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1963-75): Maximum discharge, 4,470 ft<sup>3</sup>/s (127 m<sup>3</sup>/s) June 13, 1973 (gage height, 54.98 ft or 16.758 m); minimum, 6.0 ft<sup>3</sup>/s (0.17 m<sup>3</sup>/s) Dec. 6, 7, 1964.

REMARKS: Records fair. The floodflow is regulated by Barker and Addicks Reservoirs (stations 08072500 and 08073000) located 14.0 mi (22.5 km) and 13.8 mi (22.2 km) upstream, respectively. The low flow is partly sustained by the sewage effluent from the Houston suburbs.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1963	-	-	-	-	-	-	-	-	-	1870	2200	7040	-
1964	4370	19530	27060	3180	2330	4830	4790	4750	6710	5630	3020	5830	92030
1965	7320	11160	1160	1350	5860	1840	3600	3970	5380	8190	27400	22100	99330
1966	12680	33240	7810	36980	38740	3650	5280	15610	14470	5500	664	2130	176754
1967	5270	1660	846	7530	5770	5700	6780	3800	16440	8980	1280	5230	69286
1968	29220	3000	4000	2730	97390	71470	43520	5550	17820	7620	5640	14140	302100
1969	6480	37700	36900	5960	14720	3530	7570	6120	6260	5090	7090	6880	144300
1970	5930	3550	24990	4890	26580	9130	10010	7390	19520	67720	23210	1940	204860
1971	1740	3580	1510	5530	9090	4560	6060	20810	26330	25040	2780	21090	128120
1972	28850	36000	20790	3700	45770	39160	11200	5950	7810	12010	24680	6910	242830
1973	20320	26930	10380	47080	31740	70430	31350	16570	40550	47090	32850	10640	385930
1974	38640	33060	10340	5730	19710	4340	9890	12360	50480	14420	61610	38710	299290
1975	7670	14760	5830	12740	18140	67000	27310	24230	13860	10520	12410	9880	224350
MAX	38640	37700	36900	47080	97390	71470	43520	24230	50480	67720	61610	38710	385930
MIN	1740	1660	846	1350	2330	1840	3600	3800	5380	1870	664	1940	69286
MEAN	14041	18681	12635	11450	26320	23803	13947	10593	18803	16898	15756	11732	194659
NO.	12	12	12	12	12	12	12	12	12	13	13	13	12
DISTR													
OF MEAN	7.2%	9.6%	6.5%	5.9%	13.5%	12.2%	7.2%	5.4%	9.7%	8.7%	8.1%	6.0%	100%

SAN JACINTO RIVER BASIN

08074000 Buffalo Bayou at Houston, Texas

LOCATION: Lat 29°45'36", long 95°24'30", Harris County, at the bridge on Shepherd Drive in Houston, and 0.8 mi (1.3 km) upstream from Waugh Drive.

DRAINAGE AREA: 358 mi<sup>2</sup> (927 km<sup>2</sup>).

PERIOD OF RECORD: June 1936 to September 1957, January 1962 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 1.36 ft (0.414 m) below mean sea level, datum of 1929, adjustment of 1973; records unadjusted for land-surface subsidence. Prior to June 19, 1936, nonrecording gage, and June 19, 1936 to Jan. 16, 1962, water-stage recorder at site 0.8 mi (1.3 km) downstream at 4.08 ft (1.244 m) lower datum. Jan. 17, 1962 to Sept. 30, 1973, auxiliary water-stage recorder 0.8 mi (1.3 km) downstream.

AVERAGE DISCHARGE: 36 years (1936-57, 1962-75), 196,206 ac-ft/yr (241.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1936-57, 1962-75): Maximum discharge, 10,900 ft<sup>3</sup>/s (309 m<sup>3</sup>/s) Aug. 30, 1945 (gage height, 28.82 ft or 8.784 m), at site 0.8 mi (1.3 km) downstream at present datum; minimum, 1.3 ft<sup>3</sup>/s (0.037 m<sup>3</sup>/s) May 24, 1939 and Nov. 5, 1950.

Maximum gage height since at least 1835, 49.0 ft (14.94 m) Dec. 9, 1935 (discharge, 40,000 ft<sup>3</sup>/s or 1,130 m<sup>3</sup>/s).

REMARKS: Records fair. The floodflow is regulated by Barker and Addicks Reservoirs (stations 08072500 and 08073000) located 26.3 and 26.5 mi (42.3 and 42.6 km) upstream, respectively. The gage height is affected by tides and backwater from Whiteoak Bayou and other streams. The low flow is mostly sustained by the sewage effluent from the Houston suburbs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1936	-	-	-	-	-	50140	6690	910	2360	1540	533	5200	-
1937	10440	2090	10030	7770	349	884	820	500	743	7750	2600	18780	62756
1938	12410	17110	1030	6090	105600	7720	3450	1940	2900	444	395	1000	160089
1939	18310	4780	639	259	352	9930	28630	660	944	933	564	1950	67951
1940	675	9360	427	1440	622	6150	6490	278	1030	3380	60560	87310	177722
1941	28480	14820	50680	47320	41350	97200	19320	4660	74680	53930	42290	4070	478800
1942	3380	3770	5030	25080	2420	4620	81380	8630	22460	1390	8260	10850	177270
1943	20310	2690	11460	1530	1600	2400	20740	21610	2640	932	48920	23990	158822
1944	81890	36970	84700	2490	54810	12960	836	1060	9380	2710	15080	47570	350456
1945	71310	26310	1580	58990	3040	3390	792	71590	76330	23080	1050	58110	395572
1946	58340	39350	13450	1510	93590	61520	13540	2010	11130	18040	137900	12640	463020
1947	62230	1790	9910	1600	40400	2920	2100	13030	4970	1360	4670	31650	176630
1948	6580	9390	6910	2320	3530	842	803	659	1030	755	3070	509	36398
1949	5320	20570	17780	45580	3970	1030	15740	6310	9310	72030	1180	54010	252830
1950	18750	34120	3220	7510	8230	46350	4960	790	3370	1220	514	718	129752
1951	1470	778	11000	1850	805	863	565	570	7390	1230	890	1060	28471
1952	435	7900	1320	39660	7800	3120	4910	1400	2650	1180	7300	24500	102175
1953	5380	10190	1120	5180	91480	2840	2090	15370	18530	2260	18640	21410	194490
1954	14280	900	578	11540	1080	697	6190	36300	3300	3770	3760	1670	84065
1955	9380	36690	818	893	1810	2130	3050	7060	6090	1980	416	1150	71467
1956	7300	5950	651	4290	2870	4040	603	1230	1760	622	875	2730	32921
1957	693	1320	38460	15630	17700	5060	1350	928	5890	-	-	-	-
1958	-	-	-	-	-	-	-	-	-	-	-	-	-
1959	-	-	-	-	-	-	-	-	-	-	-	-	-
1960	-	-	-	-	-	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	3190	6250	1610	4570	4690	23210	18290	3690	8530	9860	11930	26770	122590
1963	32330	13520	2080	1660	4880	12580	5630	3770	5150	2330	3740	10000	97670
1964	5530	22170	30610	4180	3140	5470	5460	6690	9100	6830	5260	9480	113920
1965	8090	13700	1630	2000	7200	2510	4380	5860	7860	9810	33370	27480	123890
1966	14900	42040	10010	47300	52030	6800	6450	16450	15730	7120	1440	3090	223360
1967	6430	2600	2280	8730	6930	6870	9020	5570	18970	10410	2150	7150	87110
1968	33020	3800	5690	4110	112700	86730	49740	5720	24210	8720	6820	15840	357100
1969	8240	47420	47080	8200	17680	4740	8550	7310	9660	6490	8230	9850	183450
1970	7880	4520	30130	6660	39500	10940	11800	8750	23010	101900	29930	2810	277830
1971	2350	5840	2270	6990	13810	5960	8410	23960	39110	26300	3910	25060	163970
1972	33680	40040	32090	5630	54800	47510	14450	10220	10530	14060	33260	8590	304860
1973	23420	31790	13910	55830	34320	91060	36570	19780	50630	60750	39730	11150	468940
1974	49580	33000	13730	6440	28780	5730	12540	17760	66540	17160	67940	40850	360050
1975	10710	17350	6800	15010	26900	77650	31710	30570	18100	-	-	-	-
MAX	81890	47420	84700	58990	112700	97200	81380	71590	76330	101900	137900	87310	478800
MIN	435	778	427	259	349	697	565	278	743	444	395	509	28471
MEAN	19335	16311	13449	13310	25451	19849	12446	10100	16000	14185	17858	17912	196206
NO.	35	35	35	35	35	36	36	36	36	34	34	34	33
DISTR OF MEAN	9.9%	8.3%	6.9%	6.8%	13.0%	10.1%	6.3%	5.1%	8.2%	7.2%	9.1%	9.1%	100%

SAN JACINTO RIVER BASIN

08074150 Cole Creek at Deihl Road at Houston, Texas

LOCATION: Lat 29°51'04", long 95°29'16", Harris County, at the bridge at Deihl Road in northwest Houston, and 1.8 mi (2.9 km) upstream from the mouth.

DRAINAGE AREA: 8.05 mi<sup>2</sup> (20.85 km<sup>2</sup>).

PERIOD OF RECORD: May 1964 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level, unadjusted for land-surface subsidence.

AVERAGE DISCHARGE: 12 years, 5,321 ac-ft/yr (6.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 2,020 ft<sup>3</sup>/s (57.2 m<sup>3</sup>/s) Mar. 20, 1972 (elevation, 78.60 ft or 23.957 m); no flow at times.

REMARKS: Records fair. No diversion above station. The low flow is partly sustained by the sewage effluent from the Houston suburbs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	207	64.0	65.0	59.0	59.0	12.0	56.0	213	-
1965	136	464	22.0	15.0	77.0	35.0	8.10	71.0	64.0	48.0	467	6.99	2106
1966	519	1200	283	2020	695	164	62.0	187	33.0	71.0	19.0	65.0	5318
1967	110	42.0	40.0	148	229	88.0	74.0	81.0	120	116	25.0	139	1212
1968	206	32.0	98.0	126	2280	1290	65.0	19.0	275	122	278	347	5138
1969	136	1970	631	240	207	32.0	75.0	68.0	122	59.0	86.0	141	3767
1970	205	123	771	183	1930	224	495	98.0	430	2340	166	85.0	7050
1971	80.0	128	77.0	91.0	378	1.00	30.0	415	802	105	8.00	1160	3275
1972	464	281	1870	22.0	829	42.0	60.0	300	191	256	1430	248	5993
1973	733	772	276	2140	38.0	4470	561	226	1010	1330	219	141	11916
1974	2520	107	637	162	414	63.0	54.0	251	701	457	2020	1070	8456
1975	268	522	340	313	1800	828	445	773	104	633	418	492	6936
MAX	2520	1970	1870	2140	2280	4470	561	773	1010	2340	2020	1160	11916
MIN	80.0	32.0	22.0	15.0	38.0	1.00	8.10	19.0	33.0	12.0	8.00	65.0	1212
MEAN	489	513	459	496	757	608	166	212	326	462	433	400	5321
NO.	11	11	11	11	12	12	12	12	12	12	12	12	11
DISTR OF MEAN	9.2%	9.6%	8.6%	9.3%	14.2%	11.4%	3.1%	4.0%	6.1%	8.7%	8.1%	7.5%	100%

SAN JACINTO RIVER BASIN

08074250 Brickhouse Gully at Costa Rica Street at Houston, Texas

LOCATION: Lat 29°49'40", long 95°28'09", Harris County, at the bridge at Costa Rica Street in northwest Houston, and 1.0 mi (1.6 km) upstream from Whiteoak Bayou.

DRAINAGE AREA: 11.6 mi<sup>2</sup> (30.0 km<sup>2</sup>).

PERIOD OF RECORD: September 1964 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level, unadjusted for land-surface subsidence.

AVERAGE DISCHARGE: 12 years, 9,403 ac-ft/yr (11.6 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 5,800 ft<sup>3</sup>/s (164 m<sup>3</sup>/s) Mar. 20, 1972 (elevation, 69.20 ft or 21.092 m); no flow at times.

REMARKS: Records good. No diversion above station. The low flow is partially sustained by the sewage effluent from the Houston suburbs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	-	-	-	-	354	135	402	461	-
1965	298	449	199	147	553	326	348	233	262	148	523	732	4218
1966	620	1330	442	2190	1100	640	195	266	242	320	143	228	7716
1967	307	184	203	302	266	249	271	283	438	402	187	466	3558
1968	533	242	557	422	4120	1200	377	241	736	265	413	228	9334
1969	197	2130	1030	707	528	195	278	302	631	294	236	480	7008
1970	326	249	798	164	2300	376	823	105	840	3310	100	78.0	9469
1971	46.0	168	49.0	94.0	922	236	229	797	2070	422	46.0	1870	6949
1972	1250	629	4360	267	1420	392	279	691	658	404	1920	462	12752
1973	1260	1360	798	3060	211	5060	1540	958	2840	2270	401	314	20072
1974	2860	302	772	266	1290	242	217	775	1790	953	2470	1100	13037
1975	455	760	467	759	2550	1860	1000	1050	335	623	439	564	10882
MAX	2860	2130	4360	3060	4120	5060	1540	1050	2840	3310	2470	1870	20072
MIN	46.0	168	49.0	94.0	211	195	195	105	242	135	46.0	78.0	3558
MEAN	741	709	880	762	1387	980	505	518	933	796	607	585	9403
NO.	11	11	11	11	11	11	11	11	12	12	12	12	11
DISTR OF MEAN	7.9%	7.5%	9.4%	8.1%	14.8%	10.4%	5.4%	5.5%	9.9%	8.5%	6.5%	6.2%	100%

**SAN JACINTO RIVER BASIN**  
**08074500 Whiteoak Bayou at Houston, Texas**

LOCATION: Lat 29°46'30", long 95°23'49", Harris County, at the bridge on Heights Boulevard in Houston, 560 ft (171 m) downstream from the Texas and New Orleans Railroad Co. bridge, 2.4 mi (3.9 km) upstream from Little Whiteoak Bayou, and 4.0 mi (6.4 km) upstream from the mouth.

DRAINAGE AREA: 84.7 mi<sup>2</sup> (219.4 km<sup>2</sup>). During extreme floods when the capacity of the drainage ditches is exceeded, the drainage area is defined by natural ridges and is 92.0 mi<sup>2</sup> (238.3 km<sup>2</sup>).

PERIOD OF RECORD: June 1936 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 7.35 ft (2.240 m) below mean sea level, datum of 1929, adjustment of 1973; unadjusted for land-surface subsidence. Prior to June 17, 1936, nonrecording gage, and June 17, 1936 to Apr. 28, 1965, water-stage recorder at site 480 ft (146 m) upstream at same datum.

AVERAGE DISCHARGE: 40 years, 54,237 ac-ft/yr (66.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1936-75): Maximum discharge, 17,300 ft<sup>3</sup>/s (490 m<sup>3</sup>/s) Mar. 20, 1972 (gage height, 43.50 ft or 13.269 m); maximum gage height, 43.60 ft (13.289 m) Nov. 13, 1961; no flow for many days during 1965 (result of construction dams).

Maximum stage since at least 1919, 51.5 ft (15.70 m) Dec. 9, 1935, prior to channel rectification, present site and datum (discharge, 14,750 ft<sup>3</sup>/s or 418 m<sup>3</sup>/s).

REMARKS: Records fair. No diversion above station. The low flow is partly sustained by industrial wastes.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1936	-	-	-	-	-	2480	1690	171	623	409	78.0	2960	-
1937	3460	554	6680	1350	46.0	353	1260	440	146	2420	248	5360	22317
1938	3300	6880	359	231	26900	541	1120	395	295	58.0	83.0	264	40446
1939	5020	2050	336	81.0	97.0	1110	8680	51.0	965	149	56.0	754	19349
1940	105	2390	67.0	495	223	3210	493	37.0	142	1510	17630	13610	39912
1941	6440	2710	14850	14970	7140	24260	2530	435	34380	12550	12550	2670	135485
1942	2980	1910	2690	6280	265	591	26980	1700	4170	368	2900	5220	56054
1943	8000	911	5500	521	1970	2400	16490	3500	492	188	25910	8500	74382
1944	26850	6590	21930	413	18160	1820	135	511	3740	278	6220	11020	97667
1945	18340	5220	435	16100	768	4160	139	19100	2160	2080	119	16790	85411
1946	15670	10250	3650	466	31140	18590	5720	287	2370	338	46080	3920	138481
1947	17010	473	3990	342	9280	478	186	265	171	811	1060	5830	39896
1948	2420	3020	1220	2270	743	193	148	83.0	64.0	43.0	683	136	11023
1949	1110	7430	3250	11890	2020	278	3050	1910	768	29410	303	17380	78799
1950	12170	13620	1040	1430	1370	10860	5100	282	202	130	169	301	46674
1951	562	284	2970	198	476	275	392	63.0	2080	118	197	207	7822
1952	130	3720	265	4960	1400	420	1250	243	393	166	2250	5230	20427
1953	1240	3090	281	489	21260	555	569	4800	1430	549	2730	3150	40143
1954	3990	300	273	1120	248	175	8640	6160	551	1180	324	149	23110
1955	1520	8630	180	252	231	315	1210	815	1430	1380	134	483	16580
1956	2300	1510	139	502	1270	769	686	207	99.0	179	302	697	8660
1957	179	543	8480	8910	2430	1190	315	170	3130	16630	8550	1020	51547
1958	10770	4630	561	1780	467	1560	380	856	3110	1130	719	265	26228
1959	1070	12990	422	12030	5340	2130	8220	15290	5380	5500	5670	9360	83402
1960	4840	9240	990	1340	521	13960	4280	5850	1540	11250	11280	13080	78171
1961	9770	26010	1230	2020	617	11260	17330	904	16440	800	15570	4810	106761
1962	1300	2060	723	2220	2480	6580	1230	516	1410	1650	6830	4510	31509
1963	7090	4470	908	584	2080	3460	1020	687	1800	919	1230	2930	27178
1964	2320	3700	5690	2080	3070	1470	692	1630	1900	659	1660	3240	28111
1965	1630	4790	541	462	2980	1410	557	966	1220	1010	3590	3830	22986
1966	4480	8740	2780	16600	8360	3240	1080	1940	1120	2120	300	1240	52000
1967	1810	724	523	1850	1260	645	2010	1610	4820	2320	387	2320	20279
1968	4330	817	2300	2120	20760	10630	1900	1260	5560	1940	5780	2640	60037
1969	1940	15670	5810	3370	3380	1130	2400	2590	4190	1720	2050	3440	47690
1970	1580	1530	6820	1550	16890	2320	4720	1540	6070	19420	2710	1000	66150
1971	640	2020	762	1130	4890	656	1380	5800	10800	2580	987	11820	43465
1972	5460	3400	15530	1690	9930	1660	2260	3190	2600	2390	9450	3710	61270
1973	8450	11020	5920	21590	1880	33090	9110	7830	14710	19010	3330	3860	139800
1974	24550	1350	6370	2890	9090	1500	2660	6220	12860	4670	19980	10360	102500
1975	5220	6680	4420	5500	13080	11680	9390	7850	3730	6830	4730	5480	84590
MAX	26850	26010	21930	21590	31140	33090	26980	19100	34380	29410	46080	17380	139800
MIN	105	284	67.0	81.0	46.0	175	135	37.0	64.0	43.0	56.0	136	7822
MEAN	5899	5178	3612	3951	6013	4585	3935	2704	3977	3922	5621	4840	54237
NO.	39	39	39	39	39	40	40	40	40	40	40	40	39
DISTR OF MEAN	10.9%	9.5%	6.7%	7.3%	11.1%	8.5%	7.3%	5.0%	7.3%	7.2%	10.4%	8.9%	100%

SAN JACINTO RIVER BASIN

08074800 Keegans Bayou at Roark Road near Houston, Texas

LOCATION: Lat 29°39'23", long 95°33'43", Harris County, at the bridge on Roark Road, and about 2 mi (3 km) southwest of the city limits of Houston.

DRAINAGE AREA: 11.6 mi<sup>2</sup> (30.0 km<sup>2</sup>).

PERIOD OF RECORD: September 1964 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level, unadjusted for land-surface subsidence.

AVERAGE DISCHARGE: 12 years, 7,410 ac-ft/yr (9.1 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 1,570 ft<sup>3</sup>/s (44.5 m<sup>3</sup>/s) June 13, 1973 (elevation, 73.37 ft or 22.363 m); no flow for many days.

REMARKS: Records fair.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	-	-	-	-	29.0	11.0	29.0	460	-
1965	63.0	363	1.80	3.20	65.0	5.40	9.1	30.0	1.40	9.7	200	755	1507
1966	675	1490	260	2790	2570	19.0	14.0	360	307	337	44.0	53.0	8919
1967	229	110	35.0	70.0	100	62.0	27.0	24.0	59.0	61.0	40.0	134	951
1968	689	76.0	212	89.0	922	3190	572	36.0	768	68.0	123	229	6974
1969	255	1020	631	310	1410	86.0	13.0	17.0	111	27.0	11.0	133	4024
1970	125	105	785	113	2340	424	330	109	864	4290	240	80.0	9805
1971	75.0	92.0	98.0	132	229	61.0	99.0	559	1720	426	89.0	1060	4640
1972	638	779	408	153	2610	216	106	242	240	195	1440	203	7230
1973	1540	1540	688	3100	576	4600	1160	246	2600	3080	326	348	19804
1974	3250	267	820	344	691	175	501	963	1170	394	1510	857	10942
1975	553	615	265	540	1130	2600	402	603	189	525	398	599	8419
MAX	3250	1540	820	3100	2610	4600	1160	963	2600	4290	1510	1060	19804
MIN	63.0	76.0	1.80	3.20	65.0	5.40	9.1	17.0	1.40	9.7	11.0	53.0	951
MEAN	736	587	382	695	1149	1040	294	290	672	785	371	409	7410
NO.	11	11	11	11	11	11	11	11	12	12	12	12	11
DISTR OF MEAN	9.9%	7.9%	5.2%	9.4%	15.5%	14.0%	4.0%	3.9%	9.1%	10.6%	5.0%	5.5%	100%

SAN JACINTO RIVER BASIN

08075000 Brays Bayou at Houston, Texas

LOCATION: Lat 29°41'49", long 95°24'43", Harris County, at the Main Street Bridge in the southwest section of Houston, 1.6 mi (2.6 km) upstream from Harris Gully, and 11.6 mi (18.7 km) upstream from Buffalo Bayou.

DRAINAGE AREA: 88.4 mi<sup>2</sup> (229.0 km<sup>2</sup>).

PERIOD OF RECORD: June 1936 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 7.16 ft (2.182 m) below mean sea level, datum of 1929, adjustment of 1973; unadjusted for land-surface subsidence. Prior to June 20, 1936, nonrecording gage, and June 20, 1936 to Nov. 25, 1959, water-stage recorder at site 0.8 mi (1.3 km) downstream at same datum.

AVERAGE DISCHARGE: 40 years, 76,177 ac-ft/yr (93.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1936-75): Maximum discharge, 24,800 ft<sup>3</sup>/s (702 m<sup>3</sup>/s) June 13, 1973 (gage height, 49.90 ft or 15.210 m); maximum gage height, 51.70 ft (15.758 m) Aug. 28, 1945; minimum discharge 0.1 ft<sup>3</sup>/s (0.003 m<sup>3</sup>/s) Oct. 11, 12, 1937, Mar. 14, and Apr. 1, 1958.

Maximum stage since at least 1911, 56.0 ft (17.07 m) in June 1919 before channel rectification, former site, from information by an engineer for Houston; maximum discharge, that of June 13, 1973.

REMARKS: Records good. No diversion above station. The low flow is mostly the sewage effluent from the Houston suburbs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1936	-	-	-	-	-	4810	5890	1100	1500	331	80.0	3300	-
1937	8250	974	4440	221	59.0	225	106	64.0	153	2550	295	15120	32457
1938	7500	6550	248	2460	21500	908	1190	822	2260	36.0	40.0	476	43990
1939	4030	609	181	83.0	773	1500	23600	77.0	67.0	108	101	938	32067
1940	117	4100	84.0	218	820	3170	1150	45.0	135	701	25980	9240	45760
1941	4220	2860	15380	13420	10110	15720	3230	1850	48640	21490	13230	3120	153270
1942	1940	4060	2230	3440	337	2570	31940	3820	7820	331	1740	6410	66638
1943	9170	615	5750	636	275	351	27610	4080	376	147	42760	10740	102510
1944	34110	5610	18900	293	23100	859	159	401	1140	382	4680	6890	96524
1945	7380	4520	294	13050	6030	1390	296	30100	3030	7240	201	15860	89391
1946	18790	9520	4030	909	19140	26060	6120	422	16190	1700	40540	6080	149501
1947	16820	540	1850	475	17530	1570	468	7120	497	529	3120	8660	59179
1948	6020	8780	2740	432	1880	617	741	504	290	312	1590	371	24277
1949	3800	12010	3280	12760	604	2420	4600	6130	639	42950	503	18320	108016
1950	13520	14410	623	7660	5550	15620	2580	828	553	420	338	368	62470
1951	847	687	4340	540	696	874	512	547	2060	394	749	430	12676
1952	349	3950	515	5830	1870	549	1040	635	724	463	2170	6530	24625
1953	2250	4570	530	700	18390	1150	948	14530	4390	871	8660	6710	63699
1954	4040	544	561	5590	1370	543	1380	795	508	837	810	916	17894
1955	3280	12200	455	762	1310	1320	1620	2750	2580	867	587	960	28691
1956	2870	2000	768	1020	3780	1640	632	911	944	794	1140	1780	18279
1957	653	1030	12720	8680	4110	1620	843	1200	2160	13640	14300	1030	61986
1958	9500	5580	1190	2700	1130	1170	1620	1690	5190	7220	1370	989	39349
1959	1350	30420	1640	17800	2640	2180	7800	6200	2860	11570	10700	12970	108130
1960	8140	9880	1620	1440	1220	29640	2620	8350	2080	14800	5450	12370	97610
1961	10960	21480	2390	2590	1310	15510	19670	2310	18900	1400	14330	2900	113750
1962	2260	1460	1620	3630	5010	9570	3300	2260	3710	4910	9370	11460	58560
1963	10500	6050	2050	1340	1880	13110	4040	1540	3190	958	4410	7460	56528
1964	4020	9870	6830	2740	2550	1840	1490	2300	3030	1580	3310	7830	47390
1965	2160	4990	1480	1470	3910	2770	1870	2630	2470	3020	4820	9930	41520
1966	7020	14570	6870	23890	23480	2130	2640	4310	2990	4330	1590	2280	96100
1967	4140	3130	2260	4160	3420	2410	4130	3530	4700	3610	1810	3640	40940
1968	9790	2360	5040	3990	16820	33800	11260	2960	15340	5470	4570	4490	115890
1969	5690	15440	9740	7320	15710	4350	2760	2920	8080	3070	2790	7590	85460
1970	4280	4060	12640	4250	36060	4660	5500	4210	12500	43600	4590	3030	139380
1971	2520	5010	3550	3660	5110	2750	3490	9930	18070	4950	3240	14120	76400
1972	10740	9860	9090	4380	24980	8850	4860	3960	7220	4540	18020	3730	110230
1973	14090	16930	11660	26960	7990	50150	14440	6130	24740	20510	4740	5700	204040
1974	26740	4060	9740	4730	12060	4160	10780	14830	16440	6650	18460	12450	141100
1975	8140	7460	4550	7890	14990	37510	11280	11820	5330	7620	6010	8860	131460
MAX	34110	30420	18900	26960	36060	50150	31940	30100	48640	43600	42760	18320	204040
MIN	117	540	84.0	83.0	59.0	225	106	45.0	67.0	36.0	40.0	368	12676
MEAN	7487	6994	4458	5234	8192	7801	5755	4265	6337	6173	7080	6401	76177
NO.	39	39	39	39	39	40	40	40	40	40	40	40	39
DISTR													
OF MEAN	9.8%	9.2%	5.9%	6.9%	10.8%	10.2%	7.6%	5.6%	8.3%	8.1%	9.3%	8.4%	100%

SAN JACINTO RIVER BASIN

08075400 Sims Bayou at Hiram Clarke Street at Houston, Texas

LOCATION: Lat 29°37'07", long 95°26'45", Harris County, at the bridge on Hiram Clarke Street in southwest Houston, 12.7 mi (20.4 km) upstream from the gage, Sims Bayou at Houston, and 19.7 mi (31.7 km) upstream from the mouth.

DRAINAGE AREA: 20.2 mi<sup>2</sup> (52.3 km<sup>2</sup>).

PERIOD OF RECORD: September 1964 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level, unadjusted for land-surface subsidence.

AVERAGE DISCHARGE: 12 years, 19,234 ac-ft/yr (23.7 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 4,220 ft<sup>3</sup>/s (120 m<sup>3</sup>/s) June 13, 1973 (elevation, 55.02 ft or 16.770 m); maximum elevation, 55.12 ft (16.801 m) June 9, 1975; minimum discharge, 1.5 ft<sup>3</sup>/s (0.042 m<sup>3</sup>/s) July 26, 1965.

REMARKS: Records fair. No diversion above station. The low flow is partly sustained by the sewage effluent from the Houston suburbs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	-	-	-	-	542	335	594	2500	-
1965	367	563	223	295	1370	789	227	329	487	687	1310	2120	8767
1966	2260	4020	962	5210	5530	371	407	736	1120	640	378	433	22067
1967	766	868	323	592	612	368	902	882	987	456	279	540	7575
1968	2380	602	1050	735	3800	4990	1020	475	1510	1260	546	865	19233
1969	1890	4240	2840	1410	2890	590	428	567	932	393	374	1350	17904
1970	870	424	2210	940	8490	908	432	501	1770	6810	458	425	24238
1971	448	525	405	529	666	578	649	1510	4130	639	514	2480	13073
1972	791	1380	1110	668	4600	2020	539	564	796	490	3840	526	17324
1973	3590	2810	2790	5230	1280	10440	3090	1150	6630	3420	561	989	41980
1974	5230	563	1280	647	2990	645	761	1180	2460	591	2190	1860	20397
1975	1350	1150	675	2020	3340	7150	764	861	640	919	513	1100	20482
MAX	5230	4240	2840	5230	8490	10440	3090	1510	6630	6810	3840	2500	41980
MIN	367	424	223	295	612	368	227	329	487	335	279	425	7575
MEAN	1813	1559	1261	1661	3233	2623	838	796	1834	1387	963	1266	19234
NO.	11	11	11	11	11	11	11	11	12	12	12	12	11
DISTR OF MEAN	9.4%	8.1%	6.6%	8.6%	16.8%	13.6%	4.4%	4.1%	9.5%	7.2%	5.0%	6.6%	100%

**SAN JACINTO RIVER BASIN**  
**08075500 Sims Bayou at Houston, Texas**

LOCATION: Lat 29°40'27", long 95°17'21", Harris County, at the bridge on State Highway 35 in southeast Houston, and 7.0 mi (11.3 km) upstream from the mouth.

DRAINAGE AREA: 64.0 mi<sup>2</sup> (166.8 km<sup>2</sup>).

PERIOD OF RECORD: October 1952 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 3.09 ft (0.942 m) below mean sea level, datum of 1929, adjustment of 1973; unadjusted for land-surface subsidence.

AVERAGE DISCHARGE: 24 years, 52,197 ac-ft/yr (64.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1952-75): Maximum discharge, 10,600 ft<sup>3</sup>/s (300 m<sup>3</sup>/s) June 9, 1975 (gage height, 33.17 ft or 10.110 m); minimum, 0.9 ft<sup>3</sup>/s (0.026 m<sup>3</sup>/s) Aug. 7, 1955.

REMARKS: Records fair. The low flow is largely sustained by sewage effluent from the Houston suburbs and industrial wastes.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	-	-	-	-	-	-	349	1440	4350	-
1953	1550	4220	481	580	8290	824	527	8010	3780	494	4950	6160	39866
1954	1530	518	376	782	1110	597	1040	822	388	642	345	309	8459
1955	2320	10110	280	534	656	322	703	792	779	319	204	310	17329
1956	919	1320	329	593	1020	585	278	393	446	300	635	937	7755
1957	355	738	17470	8940	1930	3440	499	686	1580	13170	12430	817	62055
1958	6670	5410	693	1300	620	415	1400	585	9050	1170	546	467	28326
1959	699	26130	961	14810	4270	1540	13430	12020	3060	5690	7790	7780	98180
1960	5110	6880	671	706	607	22970	1500	5290	1320	7610	2680	12360	67704
1961	10880	10660	1020	1170	657	10460	14020	783	13430	507	8970	2450	75007
1962	1210	507	722	1830	1770	5170	908	862	978	1430	3600	6800	25787
1963	6010	3800	1250	678	658	4100	1470	692	870	528	2850	6360	29266
1964	2100	8390	3410	962	787	550	557	768	1450	728	2340	9250	31292
1965	1200	2580	618	613	4120	1570	892	787	1060	1320	3010	6030	23800
1966	5450	12930	3270	15680	23560	1480	1410	2380	4700	1810	748	1040	74458
1967	2440	2890	1280	2650	1690	737	2510	1550	2580	1150	722	1800	21999
1968	9190	1520	3060	3690	16870	19380	3260	1670	4450	4860	1490	2110	71550
1969	7030	15220	9650	5160	10650	2060	1280	1470	1760	1550	1310	4940	62080
1970	2740	1720	7720	2920	26290	2540	2080	1520	5670	18640	1680	1250	74770
1971	1190	1550	1310	1580	1660	1260	1470	3330	8430	2070	1680	9680	35210
1972	4300	5350	2760	2570	13890	5270	2090	1860	3800	1770	15660	2460	61780
1973	10230	9580	8680	18010	5220	35470	15590	5070	17290	12160	2230	3460	142990
1974	19090	2680	5920	2330	7960	1860	2820	3500	9160	2590	9360	6560	73830
1975	7170	3580	2300	6300	9680	26500	2600	3940	1550	3420	1650	3600	72290
MAX	19090	26130	17470	18010	26290	35470	15590	12020	17290	18640	15660	12360	142990
MIN	355	507	280	534	607	322	278	393	388	300	204	309	7755
MEAN	4756	6012	3227	4104	6259	6483	3145	2556	4243	3512	3680	4220	52197
NO.	23	23	23	23	23	23	23	23	23	24	24	24	23
DISTR OF MEAN	9.1%	11.5%	6.2%	7.9%	12.0%	12.4%	6.0%	4.9%	8.1%	6.7%	7.1%	8.1%	100%

SAN JACINTO RIVER BASIN

08075650 Berry Bayou at Forest Oaks Street at Houston, Texas

LOCATION: Lat 29°40'35", long 95°14'37", Harris County, at the Forest Oaks Street Bridge in southeast Houston, 0.8 mi (1.3 km) upstream from the auxiliary gage at the mouth of Berry Creek, and 1.7 mi (2.7 km) upstream from Sims Bayou.

DRAINAGE AREA: 11.1 mi<sup>2</sup> (28.7 km<sup>2</sup>).

PERIOD OF RECORD: October 1967 to September 1974.

GAGE: Water-stage recorder. Datum of gage is 2.72 ft (0.829 m) below mean sea level, datum of 1929, adjustment of 1973; prior record unadjusted for land-surface subsidence. Auxiliary water-stage recorder 0.8 mi (1.3 km) downstream at same datum. June 25, 1964 to Jan. 11, 1965, auxiliary nonrecording gage 0.8 mi (1.3 km) downstream at same datum.

AVERAGE DISCHARGE: 11 years, 11,301 ac-ft/yr (13.9 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1967-74): Maximum discharge, 5,080 ft<sup>3</sup>/s (144 m<sup>3</sup>/s) June 9, 1975; maximum gage height, 21.69 ft (6.6111 m) June 9, 1975.

REMARKS: The station was discontinued as a continuous discharge station as of September 30, 1974.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	301	424	354	288	580	309	838	1790	-
1965	452	650	276	306	586	703	329	377	515	580	1070	1970	7814
1966	1500	3820	770	332	4400	1510	652	1060	953	-	-	-	-
1967	-	1110	-	-	-	-	-	-	-	-	-	-	-
1968	-	-	-	-	-	-	-	-	-	-	-	-	-
1969	-	-	-	-	-	-	-	-	-	-	-	-	-
1970	-	-	-	-	-	-	-	-	-	-	-	-	-
1971	-	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	-	-
1974	-	-	-	-	-	-	-	-	-	-	-	-	-
MAX	1500	3820	770	332	4400	1510	652	1060	953	580	1070	1970	7814
MIN	452	650	276	306	301	424	329	288	515	309	838	1790	7814
MEAN	976	1860	523	319	1762	879	445	575	683	445	954	1880	11301
NO.	2	3	2	2	3	3	3	3	3	2	2	2	1
DISTR OF MEAN	8.6%	16.5%	4.6%	2.8%	15.6%	7.8%	3.9%	5.1%	6.0%	3.9%	8.4%	16.6%	100%

SAN JACINTO RIVER BASIN

08075730 Vince Bayou at Pasadena, Texas

LOCATION: Lat 29°41'40", long 95°12'58", Harris County, on the concrete lined channel at the end of West Ellaine Avenue in Pasadena, and 2.4 mi (3.9 km) upstream from the mouth.

DRAINAGE AREA: 8.21 mi<sup>2</sup> (21.26 km<sup>2</sup>).

PERIOD OF RECORD: October 1971 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 2.54 ft (0.774 m) below mean sea level, datum of 1929, adjustment of 1973.

AVERAGE DISCHARGE: 5 years, 13,759 ac-ft/yr (17.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1971-75): Maximum discharge, 3,360 ft<sup>3</sup>/s (95.2 m<sup>3</sup>/s) June 11, 1973 (gage height, 16.20 ft or 4.938 m); no flow Aug. 5, 6, 18, 1972.

REMARKS: Records fair. The low flow is sustained by the sewage effluent from the Houston suburbs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1971	-	-	-	-	-	-	-	-	-	225	258	1740	-
1972	565	329	352	715	1900	506	259	147	678	420	2300	467	8638
1973	850	725	1110	2410	973	5000	2270	816	2050	3530	242	404	20380
1974	1990	495	952	416	2590	529	861	981	1110	406	2200	1000	13530
1975	1100	307	261	914	1790	3660	1940	1570	177	565	298	611	13193
MAX	1990	725	1110	2410	2590	5000	2270	1570	2050	3530	2300	1740	20380
MIN	565	307	261	416	973	506	259	147	177	225	242	404	8638
MEAN	1126	464	669	1114	1813	2424	1333	879	1004	1029	1060	844	13759
NO.	4	4	4	4	4	4	4	4	4	5	5	5	4
DISTR OF MEAN	8.2%	3.4%	4.9%	8.1%	13.2%	17.6%	9.7%	6.4%	7.3%	7.5%	7.7%	6.1%	100%

**SAN JACINTO RIVER BASIN**

08075770 Hunting Bayou at Interstate Highway 610 at Houston, Texas

LOCATION: Lat 29°47'35", long 95°16'04", Harris County, at the bridge on Interstate Highway 610 in the northeast section of Houston, and 8.9 mi (14.3 km) upstream from the mouth.

DRAINAGE AREA: 16.8 mi<sup>2</sup> (43.5 km<sup>2</sup>).

PERIOD OF RECORD: May 1964 to December 1975. Prior to October 1973, published as "at U.S. Highway 90-A, Houston".

GAGE: Water-stage recorder. Datum of gage is at mean sea level, unadjusted for land-surface subsidence. Prior to Oct. 1, 1972, water-stage recorder 1,800 ft (549 m) upstream at same datum.

AVERAGE DISCHARGE: 12 years, 14,581 ac-ft/yr (18.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1964-75): Maximum discharge, 3,380 ft<sup>3</sup>/s (95.7 m<sup>3</sup>/s) June 13, 1973 (elevation, 38.11 ft or 11.616 m); minimum, 0.88 ft<sup>3</sup>/s (0.02 m<sup>3</sup>/s) Aug. 24, 1971.

REMARKS: Records fair. The low flow is largely maintained by sewage and industrial effluent.

**DISCHARGE IN ACRE-FEET**

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1964	-	-	-	-	220	276	120	265	543	276	562	828	-
1965	318	564	195	171	657	257	135	535	548	450	733	1480	6043
1966	1220	2870	848	2570	2440	639	451	648	514	1360	263	328	14151
1967	460	339	229	423	649	152	327	206	655	396	174	507	4517
1968	2090	340	731	631	3230	5480	600	458	1510	429	899	752	17150
1969	1430	2010	1440	1470	1330	317	663	485	502	261	370	1150	11428
1970	627	615	2230	583	3820	489	681	268	1530	6820	1420	504	19587
1971	322	917	495	563	631	456	239	760	2620	899	489	2510	10901
1972	2010	810	3580	1230	4910	867	269	679	1380	543	2840	657	19775
1973	1940	1850	1080	3270	1320	8100	2970	1750	2960	2800	611	834	29485
1974	3770	558	1250	459	2570	348	587	2090	1730	788	2240	1910	18300
1975	1610	992	654	995	2650	2770	2060	1340	489	872	425	882	15739
MAX	3770	2870	3580	3270	4910	8100	2970	2090	2960	6820	2840	2510	29485
MIN	318	339	195	171	220	152	120	206	489	261	174	328	4517
MEAN	1436	1079	1157	1124	2036	1679	759	790	1248	1325	919	1029	14581
NO.	11	11	11	11	12	12	12	12	12	12	12	12	11
DISTR OF MEAN	9.8%	7.4%	7.9%	7.7%	14.0%	11.5%	5.2%	5.4%	8.6%	9.1%	6.3%	7.1%	100%

SAN JACINTO RIVER BASIN

08075900 Greens Bayou at U.S. Highway 75 near Houston, Texas

LOCATION: Lat 29°57'24", long 95°25'04", Harris County, at the bridge on U.S. Highway 75, and 21 mi (34 km) upstream from Halls Bayou.

DRAINAGE AREA: 34.8 mi<sup>2</sup> (90.1 km<sup>2</sup>).

PERIOD OF RECORD: August 1965 to December 1975.

GAGE: Water-stage recorder. Datum of gage is at mean sea level, unadjusted for land-surface subsidence.

AVERAGE DISCHARGE: 11 years, 19,883 ac-ft/yr (24.5 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1965-75): Maximum discharge, 2,940 ft<sup>3</sup>/s (83.3 m<sup>3</sup>/s) Mar. 20, 1972 (elevation, 89.75 ft or 27.356 m); maximum elevation, 91.09 ft (27.764 m) Feb. 21, 1969; minimum discharge, 0.16 ft<sup>3</sup>/s (0.004 m<sup>3</sup>/s) Oct. 21, 22, 1969.

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
1965	-	-	-	-	-	-	-	204	221	221	382	986	-
1966	983	2500	552	5310	4470	274	272	848	338	244	233	326	16350
1967	400	277	272	496	302	233	323	361	2950	335	232	506	6687
1968	937	291	486	325	4330	3500	544	425	975	459	2860	1930	17062
1969	504	6440	2010	959	867	356	228	225	491	363	418	552	13413
1970	349	367	2130	632	8520	1480	366	385	564	5550	923	263	21529
1971	253	300	156	117	386	246	220	1080	1300	229	128	2450	6865
1972	925	542	3710	306	6120	387	328	482	511	700	2680	550	17241
1973	2150	3770	1380	8880	624	14310	2380	1070	3950	9920	1050	952	50436
1974	9160	581	1800	1000	2480	525	504	1210	3440	1010	9340	2870	33920
1975	1010	2210	1230	1650	3930	1550	1430	2000	490	1970	1110	1700	20280
MAX	9160	6440	3710	8880	8520	14310	2380	2000	3950	9920	9340	2870	50436
MIN	253	277	156	117	302	233	220	204	221	221	128	263	6687
MEAN	1667	1728	1373	1968	3203	2286	660	754	1385	1909	1760	1190	19883
NO.	10	10	10	10	10	10	10	11	11	11	11	11	10
DISTR OF MEAN	8.4%	8.7%	6.9%	9.9%	16.1%	11.5%	3.3%	3.8%	7.0%	9.6%	8.8%	6.0%	100%

SAN JACINTO RIVER BASIN

08076000 Greens Bayou near Houston, Texas

LOCATION: Lat 29°55'05", long 95°18'24", Harris County, at the bridge on U.S. Highway 59, 10.5 mi (16.9 km) northeast of Houston, 12.0 mi (19.3 km) upstream from Halls Bayou, and 23.4 mi (37.7 km) upstream from the mouth.

DRAINAGE AREA: 72.7 mi<sup>2</sup> (188.3 km<sup>2</sup>).

PERIOD OF RECORD: October 1952 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 0.66 ft (0.201 m) below mean sea level, datum of 1929, adjustment of 1957; unadjusted for land-surface subsidence.

AVERAGE DISCHARGE: 24 years, 36,698 ac-ft/yr (45.2 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1952-75): Maximum discharge, 7,000 ft<sup>3</sup>/s (198 m<sup>3</sup>/s) July 30, 1954 (gage height, 64.75 ft or 19.736 m); maximum gage height, 65.75 ft (20.041 m) Sept. 12, 1961; no flow at times.

REMARKS: Records poor. No diversion above station. The low flow is sustained by the Houston Lighting and Power Co. effluent which is obtained from ground-water sources.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	-	-	-	-	-	-	0	565	2670	-
1953	513	1320	78.0	545	16330	113	216	1550	524	72.0	1120	1730	24111
1954	3110	93.0	25.0	225	344	7.30	16800	1720	221	578	25.0	0	23148
1955	576	5960	2.80	62.0	96.0	83.0	987	764	417	1040	0	93.0	10081
1956	917	1070	23.0	7.90	15.0	76.0	88.0	1500	117	6.70	62.0	1.29	4012
1957	3.60	19.0	3990	2800	1270	96.0	28.0	50.0	2910	10210	5850	270	27497
1958	8390	3530	199	132	446	132	138	362	1010	317	406	37.0	15099
1959	340	5120	268	6920	7880	731	5080	7000	696	4550	1410	5490	45485
1960	3330	5940	517	363	195	10720	2300	2610	1100	5710	7690	10210	50685
1961	8420	19620	1260	573	289	5450	17900	745	26350	296	7360	3830	92093
1962	1080	1410	458	903	1380	1160	2730	319	492	1110	6430	3260	20732
1963	4790	3310	452	254	319	423	384	229	487	3840	280	1270	16038
1964	1210	1970	4110	4940	13220	3190	357	421	614	283	569	951	31835
1965	552	1300	338	264	1420	566	517	745	1160	600	1780	5760	15002
1966	3610	8250	1370	14260	7980	556	656	1970	1390	3210	253	504	44009
1967	1010	423	333	1110	825	521	854	685	3960	700	276	1480	12177
1968	3850	482	1430	1180	9090	10310	903	598	2460	861	4340	4020	39524
1969	2190	13640	5400	2570	2460	506	540	644	820	473	930	1580	31753
1970	855	967	4700	1420	23560	3360	599	425	1130	9580	1880	461	48937
1971	394	584	312	475	1270	370	382	2700	3020	756	388	9100	19751
1972	3190	1720	13240	886	13880	909	843	1230	1610	2460	7410	1890	49268
1973	6230	8490	4280	19530	1510	32650	7570	2360	9190	16580	2130	2150	112670
1974	16210	1310	3360	1520	4710	751	991	2570	6270	1350	20130	5710	64882
1975	2650	5520	2930	6010	9060	3970	5180	5810	821	3600	1840	3250	50641
MAX	16210	19620	13240	19530	23560	32650	17900	7000	26350	16580	20130	10210	112670
MIN	3.60	19.0	2.80	7.90	15.0	7.30	28.0	50.0	117	0	0	0	4012
MEAN	3192	4002	2134	2911	5111	3333	2871	1609	2903	2841	3047	2744	36698
NO.	23	23	23	23	23	23	23	23	23	24	24	24	23
DISTR													
OF MEAN	8.7%	10.9%	5.8%	7.9%	13.9%	9.1%	7.8%	4.4%	7.9%	7.7%	8.3%	7.5%	100%

SAN JACINTO RIVER BASIN

08076500 Halls Bayou at Houston, Texas

LOCATION: Lat 29°51'42", long 95°20'05", Harris County, at the bridge on Jensen Drive in the northeast section of Houston, and 11.0 mi (17.7 km) upstream from the mouth.

DRAINAGE AREA: 24.7 mi<sup>2</sup> (64.0 km<sup>2</sup>).

PERIOD OF RECORD: October 1952 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 0.66 ft (0.201 m) below mean sea level, datum of 1929, adjustment of 1957; unadjusted for land-surface subsidence.

AVERAGE DISCHARGE: 24 years, 18,138 ac-ft/yr (22.4 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1952-75): Maximum discharge, 3,780 ft<sup>3</sup>/s (107 m<sup>3</sup>/s) Mar. 21, 1972 (gage height, 60.70 ft or 18.501 m); maximum gage height, 60.75 ft (18.517 m) June 13, 1973; no flow at times prior to 1956.

REMARKS: Records fair. No diversion above station. The low flow is partly sustained by the sewage effluent from the Houston suburbs.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1952	-	-	-	-	-	-	-	-	-	0	237	763	-
1953	294	640	81.0	97.0	6180	69.0	80.0	304	81.0	149	949	817	9741
1954	1340	87.0	30.0	175	129	4.60	4550	302	39.0	364	181	41.0	7243
1955	641	4270	23.0	40.0	73.0	50.0	778	1410	778	297	23.0	132	8515
1956	579	662	80.0	57.0	61.0	119	26.0	120	15.0	59.0	37.0	108	1923
1957	19.0	58.0	1350	1830	551	138	428	51.0	1390	2740	2670	233	11458
1958	2960	1770	288	761	245	237	120	348	1530	285	319	109	8972
1959	306	5000	348	2700	3910	644	5280	4410	237	1740	570	2280	27425
1960	1930	2930	379	303	101	4550	1540	675	314	2350	4470	4770	24312
1961	3740	7070	614	563	323	3990	9150	493	8660	118	4170	2510	41401
1962	815	882	278	533	966	1750	794	99.0	118	493	2060	1590	10378
1963	2360	1710	312	190	147	282	306	48.0	133	238	157	574	6457
1964	358	565	1050	1020	3410	520	84.0	906	787	139	454	887	10180
1965	266	554	154	188	379	237	128	960	1540	613	1650	3960	10629
1966	2700	4990	1080	5330	2850	718	340	420	714	1670	129	247	21188
1967	534	304	191	472	702	295	567	534	2090	528	139	764	7120
1968	2730	421	1100	951	4870	6300	612	346	1900	1040	1980	1760	24010
1969	1660	5340	2800	1740	2090	261	524	488	310	275	315	867	16670
1970	600	663	2300	523	10670	824	620	293	1010	5300	1320	316	24439
1971	282	485	306	428	1370	275	268	1120	1610	542	337	3960	10983
1972	2450	1300	7700	801	5910	643	889	1070	1220	879	3990	1290	28142
1973	3890	3520	2210	7530	656	14570	3700	2540	5430	6510	914	1150	52620
1974	7580	660	2020	776	2710	352	554	1010	3190	783	5860	3010	28505
1975	1920	2740	1420	2440	4120	2590	3150	4070	877	2060	901	1640	27928
MAX	7580	7070	7700	7530	10670	14570	9150	4410	8660	6510	5860	4770	52620
MIN	19.0	58.0	23.0	40.0	61.0	4.60	26.0	48.0	15.0	0	23.0	41.0	1923
MEAN	1737	2027	1135	1280	2279	1714	1499	957	1477	1216	1410	1407	18138
NO.	23	23	23	23	23	23	23	23	23	24	24	24	23
DISTR OF MEAN	9.6%	11.2%	6.3%	7.1%	12.6%	9.4%	8.3%	5.3%	8.1%	6.7%	7.8%	7.8%	100%

**SAN JACINTO RIVER BASIN**  
**08076700 Greens Bayou at Ley Road at Houston, Texas**

LOCATION: Lat 29°50'13", long 95°13'59", Harris County, at the Ley Road bridge, 300 ft (91 m) downstream from the mouth of Halls Bayou, and in northeast Houston.

DRAINAGE AREA: 182 mi<sup>2</sup> (471 km<sup>2</sup>).

PERIOD OF RECORD: October 1971 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 2.13 ft (0.649 m) below mean sea level, datum of 1929, adjustment of 1973.

REMARKS: Records poor. The discharge is computed for all storms which produce peak discharges over 700 ft<sup>3</sup>/s (19.8 m<sup>3</sup>/s). Tidal influences on the stage-discharge relationship affect the discharge below about 500 ft<sup>3</sup>/s (14.2 m<sup>3</sup>/s).

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1971	-	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	-	-
1974	-	-	-	-	-	-	-	-	-	-	-	-	-
1975	-	-	-	-	-	-	-	-	-	-	-	-	-
MAX	-	-	-	-	-	-	-	-	-	-	-	-	-
MIN	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	-	-	-	-	-	-	-	-	-	-	-	-	-
NO.	0	0	0	0	0	0	0	0	0	0	0	0	0
DISTR OF MEAN	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	100%

SAN JACINTO-BRAZOS COASTAL BASIN

08077000 Clear Creek near Pearland, Texas

LOCATION: Lat 29°35'50", long 95°17'11", Harris-Brazoria County line, at the bridge on State Highway 35, 0.7 mi (1.1 km) downstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 1.2 mi (1.9 km) upstream from Hickory Slough, 2.3 mi (3.7 km) north of Pearland, and about 30 mi (48 km) upstream from the head of Clear Lake.

DRAINAGE AREA: 38.8 mi<sup>2</sup> (100.5 km<sup>2</sup>).

PERIOD OF RECORD: August to October 1944, March to October 1946, April 1947 to December 1959, April 1963 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 26.58 ft (8.102 m) above mean sea level, datum of 1929, adjustment of 1973; prior records unadjusted for land-surface subsidence. Prior to June 9, 1948, nonrecording gage, and June 9, 1948 to Apr. 22, 1952, water-stage recorder at same site and datum, 5.80 ft (1.768 m) higher.

AVERAGE DISCHARGE: 28 years (1944, 1946-59, 1963-75), 25,917 ac-ft/yr (32.0 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1944, 1946-59, 1963-75): Maximum discharge, 2,170 ft<sup>3</sup>/s (61.5 m<sup>3</sup>/s) Mar. 18, 1957 (gage height, 16.80 ft or 5.121 m); no flow at times.

Flood of June 26, 1960 (stage and discharge unknown) probably exceeded that of Mar. 18, 1957, from records of rainfall and nearby stations. Because of the channel rectification in 1933, 1952, and 1968, there is no relation between historic floods and recent floods.

REMARKS: Records fair. A large area of riceland above the station is irrigated with water from the Brazos River. There are many diversions for irrigation above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1944	-	-	-	-	-	-	-	235	3760	851	-	-	-
1945	-	-	-	-	-	-	-	-	-	-	-	-	-
1946	-	-	1160	537	8060	10340	3070	1270	6830	2110	-	-	-
1947	-	-	-	239	3520	502	298	4720	1270	1100	489	1860	-
1948	1800	4800	1610	239	1560	296	485	112	904	945	3150	43.0	15944
1949	1660	6060	3870	5360	661	420	3930	3060	1090	29820	537	9880	66348
1950	7730	4170	196	1330	995	5240	1780	267	1520	1010	13.0	30.0	24281
1951	232	176	764	521	547	542	64.0	81.0	2870	505	61.0	33.0	6396
1952	47.0	86.0	69.0	2650	1700	1740	1300	380	2130	661	893	3290	15720
1953	1230	2950	324	861	4220	853	723	4980	3360	136	3000	4300	26937
1954	1150	141	131	423	717	373	419	1570	699	180	26.0	1.80	5831
1955	707	5800	17.0	336	1850	50.0	113	3780	1380	78.0	0	.80	14112
1956	50.0	483	23.0	304	999	162	138	486	501	17.0	5.40	333	3501
1957	0	26.0	10400	6490	2740	4180	237	461	1700	8140	5090	413	39877
1958	3700	2870	230	444	455	225	867	639	4260	404	105	26.0	14225
1959	141	16670	505	6700	2620	864	7280	7810	2000	2740	3580	4500	55410
1960	-	-	-	-	-	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	174	157	1060	658	425	447	39.0	305	1770	-
1964	274	3710	877	296	557	271	693	745	959	268	977	3790	13417
1965	130	713	196	211	2140	1240	446	307	321	158	875	2220	8957
1966	2410	8030	948	8930	14120	1830	1380	2520	777	247	68.0	53.0	41313
1967	465	692	422	989	708	755	1040	1460	772	208	42.0	132	7685
1968	4400	364	681	1660	12200	13030	1580	331	996	1610	168	167	37187
1969	2690	6650	4370	1870	5590	414	595	412	997	424	251	2860	27123
1970	731	397	3580	1150	9640	1860	728	591	1700	5460	270	105	26212
1971	72.0	90.0	312	369	227	528	540	657	3260	80.0	42.0	3120	9297
1972	1060	1990	687	965	8740	3530	881	621	707	119	6120	524	25944
1973	4190	3640	4060	9260	1490	13310	8440	2050	9280	5880	1490	1270	64360
1974	10060	1180	2300	2290	5060	1690	2930	2550	6100	533	8450	3680	46823
1975	4690	1280	294	1630	6480	7190	2400	2830	346	1500	192	1310	30142
MAX	10060	16670	10400	9260	14120	13310	8440	7810	9280	29820	8450	9880	66348
MIN	0	26.0	17.0	174	157	50.0	64.0	81.0	321	17.0	0	.80	3501
MEAN	2067	3073	1521	2083	3620	2685	1593	1620	2176	2329	1392	1758	25917
NO.	24	24	25	27	27	27	27	28	28	28	26	26	24
DISTR OF MEAN	8.0%	11.9%	5.9%	8.0%	14.0%	10.4%	6.1%	6.2%	8.4%	9.0%	5.4%	6.8%	100%

**SAN JACINTO-BRAZOS COASTAL BASIN**  
**08077500 Hickory Slough near Pearland, Texas**

LOCATION: Lat 29°34'47", long 95°17'40", Brazoria County, at a county road bridge, 0.2 mi (0.3 km) upstream from the Gulf, Colorado, and Santa Fe Railway Co. bridge, 1.2 mi (1.9 km) north of Pearland, and 1.9 mi (3.06 km) upstream from the mouth.

PERIOD OF RECORD: August to October 1944, March to October 1946, April to October 1947, April 1948 to September 1949.

GAGE: Staff gage. Datum of gage is 42.14 ft (12.8 m) above mean sea level, datum of 1929, supplementary adjustment of 1943.

AVERAGE DISCHARGE: 5 years (1944, 1946-49), 3,639 ac-ft/yr (4.5 hm<sup>3</sup>/yr).

REMARKS: Records good. A large area of riceland above the station is irrigated with water from the Brazos River. The low flow is largely the drainage from irrigated lands.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1944	-	-	-	-	-	-	-	359	1200	382	-	-	-
1945	-	-	-	-	-	-	-	-	-	-	-	-	-
1946	-	-	123	46.0	1310	-	979	934	-	435	-	-	-
1947	-	-	-	73.0	-	168	106	-	183	166	-	-	-
1948	-	-	-	109	-	171	197	-	-	290	-	55.0	-
1949	286	-	289	-	248	272	-	-	539	-	-	-	-
HAX	286	-	289	109	1310	272	979	934	1200	435	-	55.0	-
HIN	286	-	123	46.0	248	168	106	359	183	166	-	55.0	-
MEAN	286	-	206	76.0	779	204	427	647	641	318	-	55.0	3639
NO.	1	0	2	3	2	3	3	2	3	4	0	1	0
DISTR OF MEAN	7.9%	.0%	5.7%	2.1%	21.4%	5.6%	11.7%	17.8%	17.6%	8.7%	.0%	1.5%	100%

SAN JACINTO-BRAZOS COASTAL BASIN

08078000 Chocolate Bayou near Alvin, Texas

LOCATION: Lat 29°22'09", long 95°19'14", Brazoria County, 800 ft (240 m) downstream from the bridge on Farm Road 1462, 5.9 mi (9.5 km) southwest of Alvin, and 6.9 mi (11.1 km) upstream from the bridge on State Highway 35.

DRAINAGE AREA: 87.7 mi<sup>2</sup> (227.1 km<sup>2</sup>).

PERIOD OF RECORD: August to October 1944, April to December 1946, January 1947 to January 1958, March 1959 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 10.31 ft (3.142 m) above mean sea level, datum of 1929. Prior to May 3, 1959, nonrecording gage or water-stage recorders located at various sites from 900 to 1,400 ft (270 to 427 m) upstream and at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE: 31 years (1944, 1946-75), 78,244 ac-ft/yr (96.5 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1944, 1946-75): Maximum discharge, 7,400 ft<sup>3</sup>/s (210 m<sup>3</sup>/s) Oct. 8, 1949 (gage height, 21.80 ft or 6.645 m, present datum, from floodmarks before channel rectification); no flow at times.

Maximum stage in recent years, 22.9 ft (6.98 m) July 14, 1939, former site and present datum (adjusted from floodmark 1,700 ft or 518 m to right and 550 ft or 168 m upstream from present gage, on basis of slope of the flood of Oct. 8, 1949), from information by local residents.

REMARKS: Records fair. A large area of riceland above the station is irrigated with water from the Brazos River. There are many diversions for irrigation above the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1944	-	-	-	-	-	-	-	5360	-	-	-	-	-
1945	-	-	-	-	-	-	-	-	-	-	-	-	-
1946	-	-	-	806	-	-	-	-	-	-	-	-	-
1947	11960	369	2310	428	13010	5560	6380	14450	7260	2710	911	4440	69788
1948	4140	14610	4440	797	5570	3480	3800	2880	7700	2730	4260	248	54655
1949	2520	12330	4240	12030	2120	3800	6370	7580	6770	70610	774	24390	153534
1950	9640	10300	376	2270	3940	11390	10530	7730	8080	1380	2.00	40.0	65678
1951	691	615	2900	2350	4070	5620	3000	4670	12150	1030	98.0	238	37432
1952	59.0	4700	1830	18890	14330	5030	4240	2390	5530	1060	1870	5570	65499
1953	1020	4630	618	1590	15470	5400	8180	16620	16420	540	17330	8180	95998
1954	3150	372	940	2440	5800	3410	3490	6300	2520	642	57.0	14.0	29135
1955	2060	11370	100	1130	3160	3530	4640	4460	2740	55.0	190	185	33620
1956	100	1080	183	1370	2200	1830	1310	2380	1160	269	64.0	57.0	12003
1957	9.7	318	23300	8050	7580	14500	2010	2350	2870	17800	14180	1050	94018
1958	8490	-	-	-	-	-	-	-	-	-	-	-	-
1959	-	-	1250	3950	6160	7610	24990	31450	4660	5550	15390	10520	-
1960	7080	10120	742	1230	2090	21060	4140	11500	3710	5080	5990	20410	93152
1961	22470	6500	655	1330	2680	29080	25090	6000	24330	466	16660	2780	138041
1962	419	240	396	4000	3200	6400	9340	3740	3720	4040	7360	15280	58135
1963	1890	1700	357	2010	2460	9500	7370	3010	2240	1140	711	2830	35218
1964	1060	4360	3180	1520	2850	2570	4940	2690	3860	555	3470	13910	44965
1965	635	1350	695	2380	5410	5010	5530	3890	2750	1120	5170	10660	44600
1966	7970	21940	1470	11810	20650	9810	7830	12290	4730	3020	1010	135	102665
1967	1710	2950	2290	3180	6460	4730	5390	3590	3250	1080	134	259	35023
1968	21940	1050	1330	12810	20900	52150	5610	3360	3480	4320	158	396	127504
1969	4200	13910	11340	8340	11120	4200	4070	4130	1960	3680	2360	7950	77260
1970	1640	1050	8850	4490	13000	7250	5670	4270	19380	13060	2100	322	61082
1971	215	458	1460	3470	3630	4120	4800	6140	22130	437	209	11780	58849
1972	4310	7720	890	1770	20740	32200	4560	937	8910	690	14180	4290	101197
1973	6930	8290	18480	25620	2640	32100	13040	7610	40360	20680	2870	2410	181030
1974	22260	2670	4270	3500	19030	6430	5700	5220	11890	1180	22480	7570	112200
1975	7330	2030	951	2570	12870	21110	7380	6200	1010	2960	317	3680	68408
MAX	22470	21940	23300	25620	20900	52150	25090	31450	40360	70610	22480	24390	181030
MIN	9.7	240	100	428	2090	1830	1310	937	1010	55.0	2.00	14.0	12003
MEAN	5568	5446	3566	5039	8326	11389	7121	6662	8420	5996	5011	5700	78244
NO.	28	27	28	29	28	28	28	29	28	28	28	28	27
DISTR OF MEAN	7.1%	7.0%	4.6%	6.4%	10.6%	14.6%	9.1%	8.5%	10.8%	7.7%	6.4%	7.3%	100%

SAN JACINTO-BRAZOS COASTAL BASIN

08078500 Austin Bayou near Danbury, Texas

LOCATION: Lat 29°14'42", long 95°19'47", Brazoria County, at a county road bridge, 85 ft (25.9 m) downstream from the Missouri-Pacific Railroad Co. bridge, 1.5 mi (2.4 km) northeast of Danbury, and 8 mi (12.9 km) upstream from Flores Bayou.

PERIOD OF RECORD: August to October 1944, April to October 1946, May to November 1947.

GAGE: Water-stage recorder. Datum of gage is 5.375 ft (1.64 m) above mean sea level, datum of 1929, supplementary adjustment of 1943. Prior to April 1947, staff gage at same site and datum.

EXTREMES: Flood of July 12-14, 1939 reached a stage of 18.3 ft (5.6 m) at the Missouri-Pacific Railroad Co. bridge, from information by the Missouri-Pacific Railroad Engineering Department.

REMARKS: Records poor. A large area of riceland above the station is irrigated with water from the Brazos River. The low flow is largely drainage from irrigated lands. There are many diversions above the station for irrigation.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1944	-	-	-	-	-	-	-	2760	8580	1550	-	-	-
1945	-	-	-	-	-	-	-	-	-	-	-	-	-
1946	-	-	-	316	-	-	-	1010	-	2870	-	-	-
1947	-	-	-	-	20510	1370	1580	8700	1780	1030	-	-	-
MAX	-	-	-	316	20510	1370	1580	8700	8580	2870	-	-	-
MIN	-	-	-	316	20510	1370	1580	1010	1780	1030	-	-	-
MEAN	-	-	-	316	20510	1370	1580	4157	5180	1817	-	-	34930
NO.	0	0	0	1	1	1	1	3	2	3	0	0	0
DISTR OF MEAN	.0%	.0%	.0%	.9%	58.7%	3.9%	4.5%	11.9%	14.8%	5.2%	.0%	.0%	100%

SAN JACINTO-BRAZOS COASTAL BASIN

08079000 Oyster Creek near Angleton, Texas

LOCATION: Lat 29°09'30", long 95°28'32", Brazoria County, at the bridge on State Highway 35, 2.7 mi (4.3 km) west of Angleton, 4.1 mi (6.6 km) upstream from the Missouri-Pacific Railroad Co. bridge, 4.5 mi (7.2 km) downstream from Styles Bayou, and about 45 mi (72 km) upstream from the Gulf of Mexico.

DRAINAGE AREA: 171 mi<sup>2</sup> (443 km<sup>2</sup>).

PERIOD OF RECORD: October 1944 to December 1975.

GAGE: Water-stage recorder. Datum of gage is 1.31 ft (0.399 m) below mean sea level, datum of 1929. Prior to Apr. 30, 1958, at site 500 ft (150 m) downstream at same datum.

AVERAGE DISCHARGE: 32 years, 131,794 ac-ft/yr (162.5 hm<sup>3</sup>/yr).

EXTREMES: Period of record (1944-75): Maximum discharge, 10,600 ft<sup>3</sup>/s (300 m<sup>3</sup>/s) May 10, 1957 (gage height, 31.45 ft or 9.586 m, present site, overflow from the Brazos River; minimum, 0.3 ft<sup>3</sup>/s (0.008 m<sup>3</sup>/s) at times in 1955-56.

Maximum stage since about 1900, 32.2 ft (9.81 m) in December 1913. At extreme high stages, the Brazos River overflows into Oyster Creek above this station.

REMARKS: Records good. There are many diversions above the station for irrigation. A large part of the flow is water released from William Harris Reservoir (capacity, 12,000 ac-ft or 14.8 hm<sup>3</sup>) for industrial use below the station.

DISCHARGE IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
1944	-	-	-	-	-	-	-	-	-	5930	2050	3330	-
1945	3760	2820	1390	16260	4340	2030	2390	7550	8470	2700	1600	9310	62620
1946	21630	11460	9410	2300	16780	35390	21920	3410	7080	14010	56870	20860	221120
1947	13490	3110	7020	2020	14330	4660	2470	7230	5580	1820	1550	3470	66750
1948	3110	13760	9090	3460	2060	1740	2050	2190	1640	1620	1220	1330	43270
1949	1730	7070	9210	20050	9240	2600	1500	3510	1820	71450	10350	25410	163940
1950	20310	16680	7530	2580	4790	10500	3060	2950	3000	2970	2750	2780	79900
1951	2900	2450	5860	2780	4070	8000	4930	4560	7990	4940	5420	6110	60010
1952	5640	8400	4400	20210	8400	8970	5090	5120	4770	4430	4660	6300	86390
1953	4370	6760	8110	7830	23070	7840	7980	8500	13600	8310	28640	14330	139340
1954	11070	7830	10990	4660	8620	10860	6120	4320	3890	4770	4580	4620	82330
1955	4940	9620	5110	2360	1810	8950	7450	4480	7680	3050	1900	1580	58930
1956	7800	7680	7950	8700	9410	6250	1270	5510	6490	6720	8730	8190	84700
1957	8970	3200	12220	11720	231600	19280	9930	8040	9820	16420	17000	9160	357360
1958	13290	11200	8040	8470	9420	9140	8040	4060	10900	7060	6270	7620	103510
1959	2650	25200	7560	11870	10120	9090	15570	18640	8800	9510	9220	13420	141650
1960	12680	11770	8010	4420	5730	14560	11020	9210	4860	11310	9970	24260	127800
1961	35480	11130	7880	7920	9000	34530	35990	9040	48780	10350	27510	15560	253170
1962	9100	7110	7940	5120	5860	9880	9040	8850	10030	9670	8510	15730	106840
1963	12550	7570	6330	9300	9880	4470	9850	10330	9730	9160	6170	11210	106550
1964	9050	9280	10330	8850	9090	8790	6830	8870	8990	1660	2150	9840	93730
1965	4460	6010	4870	6810	41690	25760	10160	10300	9690	4100	6910	12300	143060
1966	6970	14680	4600	8170	20470	5820	1360	4590	7690	9220	7880	7320	98770
1967	8340	8970	9650	9740	9660	8660	9900	11780	10160	10050	8510	9010	114430
1968	27690	7750	7550	15030	21850	59500	12420	8120	8940	9940	7570	7150	193510
1969	9790	17830	16000	11680	19770	7230	6750	8390	7920	8410	8350	11480	133600
1970	8750	8080	16260	11120	28110	21610	8650	8200	23100	32360	10990	8270	185500
1971	7620	7000	8960	9230	9050	8170	9480	8700	15990	8350	6720	16350	115620
1972	8260	13090	6860	8360	17990	9600	8580	8400	13390	9980	16550	9500	130560
1973	11640	16510	27200	40620	10870	47920	14650	12010	75980	24300	12130	9260	303090
1974	25850	11670	12530	6900	17570	7540	9060	9160	9030	8170	14550	13020	145050
1975	14560	7460	7450	7820	9280	15380	5970	6590	6480	6190	5970	8940	102090
MAX	35480	25200	27200	40620	231600	59500	35990	18640	75980	71450	56870	25410	357360
MIN	1730	2450	1390	2020	1810	1740	1270	2190	1640	1620	1220	1330	43270
MEAN	10918	9779	8913	9560	19482	14023	8693	7504	12009	10592	10102	10219	131794
NO.	31	31	31	31	31	31	31	31	31	32	32	32	31
DISTR OF MEAN	8.3%	7.4%	6.8%	7.3%	14.8%	10.6%	6.6%	5.7%	9.1%	8.0%	7.7%	7.8%	100%



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