

**TEXAS WATER DEVELOPMENT BOARD**

**REPORT 306**

**SUSPENDED-SEDIMENT LOAD OF  
TEXAS STREAMS**

**Compilation Report**

**October 1975-September 1982**

by

**Roger M. Quincy**

**July 1988**

# TEXAS WATER DEVELOPMENT BOARD

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# SUSPENDED-SEDIMENT LOAD OF TEXAS STREAMS

## Compilation Report

October 1975-September 1982

### INTRODUCTION

This report covers the 1976 through 1982 water years and is a supplement to Department of Water Resources Report 233, Texas Water Development Board Reports 184, 106, and 45, Texas Water Commission Bulletin 6410, and Texas Board of Water Engineers Bulletin 6108. These prior publications presented the results of suspended-sediment load measurements at permanent observation points from the beginning of record through the 1975 water year. (A water year extends from October 1 through the following September 30, and is identified by the year in which it ends.) No reconnaissance-type determinations of short-period record or intermittent record are compiled.

This report was prepared under the general direction of B. R. Critendon, P.E., and Louis Michael Lynn, P.E., of the Surface Water Unit, Water Data Collection, Studies and Planning Division. The author was assisted in data compilation by Jimmy Tinsley, Engineering Technician.

The English units used in this report may be converted to metric units by the following conversion factors:

<u>From</u>	<u>Multiply by</u>	<u>To obtain</u>
feet	.3048	meters (m)
miles	1.609	kilometers (km)
square miles	2.590	square kilometers (km <sup>2</sup> )
acre-feet	1,233	cubic meters (m <sup>3</sup> )
fluid ounces	29.57	milliliters (ml)
pounds	.454	kilograms (kg)

<u>From</u>	<u>Multiply by</u>	<u>To obtain</u>
pounds per cubic foot	16.02	kilograms per cubic meter (kg/m <sup>3</sup> )
tons (2,000 pounds)	907.2	kilograms (kg)
tons per square mile	350.3	kilograms per square kilometer (kg/km <sup>2</sup> )
tons per acre-foot	.7358	kilograms per cubic meter (kg/m <sup>3</sup> )

## **STATUS OF SUSPENDED-SEDIMENT SAMPLING STATIONS**

During the period covered by this report, 40 suspended-sediment sampling stations were operated. This activity was previously conducted by the Texas Department of Water Resources. However, with the reorganization of the Agency on September 1, 1985, the Texas Water Development Board has been assigned responsibilities for State activity in this field of surface water investigations.

Due to a reduction in State funding to the Department of Water Resources for fiscal year 1980, 13 sampling stations were discontinued. A total of 27 stations are presently in operation.

## **COOPERATION**

The following agencies and organizations cooperated with the Texas Water Development Board in the operation of, or furnished data for, suspended-sediment sampling stations included in this report:

Lower Colorado River Authority, Austin;

Brazos River Authority, Waco;

U.S. Geological Survey, Water Resources Division, Austin;

Stephen F. Austin State University, Nacogdoches;

City of Corpus Christi.

## EXPLANATION OF DATA

Suspended-sediment sampling stations operated by the Texas Water Development Board at or near streamflow-measuring stations use streamflow records collected by the U.S. Geological Survey in the determination of estimated suspended-sediment loads. The identification number appearing with the station name is the standard U.S. Geological Survey number for that measurement station. Those suspended-sediment sampling stations operated by the Texas Water Development Board at Possum Kingdom Reservoir and Lake Buchanan, where samples are collected from releases, use computed-release records furnished by the reservoir operator in the determination of estimated suspended-sediment loads.

Samples are collected in eight ounce narrow-neck bottles at a position approximately one foot below the water surface near midstream. The percentage of suspended sediment by weight obtained from the sample is multiplied by the factor 1.102 to obtain the mean percentage of suspended sediment in the vertical profile. Laboratory determinations were equated to the corresponding streamflow in determining the total suspended-sediment load.

The Texas Water Development Board uses as the average weight of water, 62.5 pounds per cubic foot. Temperature and dissolved constituents affect the density of water. The average water weight selected is used for all calculations. The density of sediment used for all calculations is 70 pounds per cubic foot. It is emphasized that this implied density is an estimated average which may be expected for ultimate consolidation. Individual sediment deposits will have varying densities dependent on several factors. The assumptions of density may also be expressed as:

one acre-foot of stream flow = 1,361.25 tons, and

one acre-foot of sediment = 1,524.60 tons.

No attempt has been made to include in this report that sediment which may be moved by a flowing stream along its bottom, commonly referred to as "bed load."

Presented with the sediment data obtained for the 1976 through 1982 water years is a summary table showing maximum, minimum, and average annual suspended-sediment transport passing each gaging point for a total period in full water years.

Monthly values of sediment conversions to acre-feet are rounded to the nearest whole number and are based on a density of 70 pounds per cubic foot. Summary streamflow and sediment-load values for each year are totals of the monthly figures. Annual values of volume in acre-feet are determined from the total tonnage measured for the year rounded to the nearest whole number. Therefore, annual volumes do not always coincide with totals of the 12 monthly values each year.

Sediment outflow for four reservoirs in Texas were obtained during this report period. Records were taken at Possum Kingdom Reservoir, Brazos River Basin; Somerville Lake, Brazos River Basin; Lake Buchanan, Colorado River Basin; and, Lake Corpus Christi, Nueces River Basin.

## OTHER SEDIMENT RECORDS

Records of suspended-sediment loads in Texas from sampling stations operated by the U.S. Geological Survey, and by the International Boundary and Water Commission—United States and Mexico, are collected in addition to those contained in this report. Daily and partial records obtained by the U.S. Geological Survey are reported annually in a publication titled "Water Resources Data for Texas." Suspended-sediment records for the Rio Grande collected by the International Boundary and Water Commission are published annually in a bulletin titled "Flow of the Rio Grande and Related Data."

180 P. 78 1982

QUALITY PROTECTION DISTRICT FOR A PFD ALLEN NEAR LAKEVIEW

WATER QUALITY DISTRICT

LAKEVIEW DISTRICT

WATER QUALITY DISTRICT

WATER QUALITY DISTRICT

**RECORDS OF SUSPENDED-SEDIMENT LOADS FROM  
SAMPLING STATIONS OPERATED BY THE  
TEXAS WATER DEVELOPMENT BOARD  
1976 THROUGH 1982 WATER YEARS**

WATER YEAR	WATER QUALITY DISTRICT	SUSPENDED SEDIMENT LOAD (TONS)	WATER QUALITY DISTRICT	SUSPENDED SEDIMENT LOAD (TONS)	WATER QUALITY DISTRICT
1976	1270	44400	1270	44400	1270
1977	25	3	25	3	25
1978	37	3	37	3	37
1979	24	5	24	5	24
1980	31	5	31	5	31
1981	1072	34000	1072	34000	1072
1982	3610	122000	3610	122000	3610
1983	2700	87000	2700	87000	2700
1984	2000	65000	2000	65000	2000
1985	7800	248000	7800	248000	7800
1986	4700	148000	4700	148000	4700
TOTAL	17100	547000	17100	547000	17100

**SULPHUR RIVER BASIN**  
**7343200 SULPHUR RIVER NEAR TALCO**

**Net Drainage Area:** 1,365 square miles.

**Location:** U.S. Highway 271 bridge, 2.2 miles northwest of Talco. Flow records are from stream-gaging station at same location.

**Records Available:** November 1966 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	1,884,000	3,607,000	2,642	2,366	0.141
MIN 1978	229,940	354,800	260	233	.113
AVG 15 yrs	1,148,317	1,431,207	1,049	939	.092

**WATER YEAR 1976**

OCT	70	5	----	0	.0052
NOV	208	12	----	0	.0042
DEC	562	15	----	0	.0020
JAN	266	11	----	0	.0030
FEB	216	21	----	0	.0071
MAR	17990	32400	----	21	.1323
APR	145400	73490	----	48	.0371
MAY	101600	69480	----	46	.0502
JUNE	75810	207800	----	136	.2014
JULY	236400	392700	----	258	.1220
AUG	1000	64	----	0	.0047
SEPT	8360	5950	----	4	.0523
SUMMARY	587900	781900	573	513	.0977



## SULPHUR RIVER BASIN

### SULPHUR RIVER NEAR TALCO—Continued

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT	
	ACRE-FEET		TONS	TONS PER SQ MI		
WATER YEAR 1977						
OCT	41,670		46,570	--	31	.082
NOV	11,690		3,450	--	2	.022
DEC	129,100		73,590	--	48	.042
JAN	82,580		108,700	--	71	.097
FEB	174,700		169,600	--	111	.071
MAR	318,300		284,500	--	187	.066
APR	228,700		120,500	--	79	.039
MAY	6,450		2,310	--	2	.026
JUNE	22,330		26,660	--	17	.088
JULY	1,580		714	--	0	.033
AUG	4,480		4,410	--	3	.072
SEPT	893		130	--	0	.011
SUMMARY	1,022,000		841,100	616	552	.060
WATER YEAR 1978						
OCT	27		1	--	0	.003
NOV	9,994		17,100	--	11	.126
DEC	2,005		255	--	0	.009
JAN	12,886		7,470	--	5	.043
FEB	63,773		79,220	--	52	.091
MAR	103,459		186,800	--	122	.133
APR	7,146		3,010	--	2	.031
MAY	16,804		19,550	--	13	.085
JUNE	13,840		41,400	--	27	.220
JULY	5		0	--	0	.000
AUG	0		0	--	0	.000
SEPT	0		0	--	0	.000
SUMMARY	229,939		354,800	260	233	.113

# SULPHUR RIVER BASIN

## SULPHUR RIVER NEAR TALCO—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
	ACRE-FEET	TONS	TONS PER SQ MI		
WATER YEAR 1979					
OCT	0	0	--	0	.000
NOV	28,483	23,600	--	15	.061
DEC	6,079	2,900	--	2	.035
JAN	247,659	269,600	--	177	.080
FEB	122,354	262,700	--	172	.158
MAR	177,660	351,300	--	230	.145
APR	149,087	221,200	--	145	.109
MAY	399,542	527,900	--	346	.097
JUNE	170,852	177,600	--	116	.076
JULY	9,322	15,880	--	10	.125
AUG	18,289	68,520	--	45	.275
SEPT	866	82	--	0	.007
SUMMARY	1,330,193	1,921,000	1,407	1,260	.106
WATER YEAR 1980					
OCT	489	36	--	0	.005
NOV	1,957	417	--	0	.016
DEC	99,268	141,500	--	93	.105
JAN	124,768	55,130	--	36	.032
FEB	104,403	85,500	--	56	.060
MAR	2,187	254	--	0	.009
APR	49,633	35,910	--	24	.053
MAY	114,334	98,520	--	65	.063
JUNE	6,950	2,910	--	2	.031
JULY	53	3	--	0	.004
AUG	1	0	--	0	.000
SEPT	18,067	45,760	--	30	.186
SUMMARY	522,110	465,900	341	306	.066

# SULPHUR RIVER BASIN

## SULPHUR RIVER NEAR TALCO—Continued

MONTH	STREAMFLOW ACRE-FOOT	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FOOT	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
<b>WATER YEAR 1981</b>					
OCT	37,343	21,250	--	14	.042
NOV	1,176	71	--	0	.004
DEC	69,404	73,760	--	48	.078
JAN	765	15	--	0	.001
FEB	1,342	76	--	0	.004
MAR	36,190	59,390	--	39	.121
APR	5,795	2,880	--	2	.037
MAY	136,218	216,600	--	142	.117
JUNE	420,127	258,400	--	169	.045
JULY	4,923	1,380	--	1	.021
AUG	257	7	--	0	.002
SEPT	2,683	6,100	--	4	.167
<b>SUMMARY</b>	<b>716,223</b>	<b>639,900</b>	<b>469</b>	<b>420</b>	<b>.066</b>
<b>WATER YEAR 1982</b>					
OCT	431,762	383,100	--	251	.065
NOV	194,065	277,000	--	182	.105
DEC	4,095	436	--	0	.008
JAN	7,208	37,780	--	25	.385
FEB	60,665	158,100	--	104	.191
MAR	66,939	35,920	--	24	.039
APR	52,033	81,650	--	54	.115
MAY	758,276	1,303,000	--	854	.126
JUNE	189,975	340,000	--	223	.131
JULY	34,875	64,900	--	43	.137
AUG	7,900	7,960	--	5	.074
SEPT	1,691	118	--	0	.005
<b>SUMMARY</b>	<b>1,809,484</b>	<b>2,690,000</b>	<b>1,971</b>	<b>1,764</b>	<b>.109</b>

## SULPHUR RIVER BASIN

### 7343500 WHITEOAK CREEK NEAR TALCO

**Net Drainage Area:** 494 square miles.

**Location:** U.S. Highway 271 bridge, 2.7 miles south of Talco. Flow records are from stream-gaging station at same location.

**Records Available:** June 1963 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1967	208,800	66,630	135	44	0.024
MIN 1982	241,570	14,950	30	10	.005
AVG 18 yrs	360,012	33,572	68	22	.007

#### WATER YEAR 1976

OCT	107	2	----	0	.0014
NOV	20	0	----	0	.0000
DEC	259	3	----	0	.0009
JAN	139	0	----	0	.0000
FEB	436	20	----	0	.0034
MAR	16900	2420	----	2	.0105
APR	77280	7730	----	5	.0073
MAY	60990	4280	----	3	.0052
JUNE	11860	1330	----	1	.0082
JULY	90080	7040	----	5	.0057
AUG	228	8	----	0	.0026
SEPT	2240	173	----	0	.0057
<b>SUMMARY</b>	<b>260500</b>	<b>23010</b>	<b>47</b>	<b>15</b>	<b>.0065</b>

## SULPHUR RIVER BASIN

### WHITEOAK CREEK NEAR TALCO—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
WATER YEAR 1977					
OCT	3,450	403	--	0	.009
NOV	2,200	177	--	0	.006
DEC	14,440	1,150	--	1	.006
JAN	11,130	1,140	--	1	.008
FEB	57,310	8,750	--	6	.011
MAR	126,600	9,640	--	6	.006
APR	71,650	4,230	--	3	.004
MAY	1,960	139	--	0	.005
JUNE	6,190	891	--	1	.008
JULY	585	38	--	0	.005
AUG	998	119	--	0	.009
SEPT	129	9	--	0	.005
SUMMARY	298,600	26,690	54	18	.007
WATER YEAR 1978					
OCT	105	6	--	0	.004
NOV	40,846	3,340	--	2	.006
DEC	3,300	247	--	0	.005
JAN	13,951	1,720	--	1	.009
FEB	25,424	2,960	--	2	.009
MAR	45,592	6,850	--	4	.011
APR	2,782	180	--	0	.005
MAY	2,640	304	--	0	.008
JUNE	914	102	--	0	.008
JULY	21	0	--	0	.000
AUG	0	0	--	0	.000
SEPT	0	0	--	0	.000
SUMMARY	135,575	15,710	32	10	.009

## SULPHUR RIVER BASIN

### WHITEOAK CREEK NEAR TALCO—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	PCT BY WEIGHT
WATER YEAR 1979				
OCT	0	0	--	0
NOV	916	394	--	0
DEC	777	13	--	0
JAN	51,533	7,970	--	5
FEB	22,369	2,430	--	2
MAR	43,315	6,120	--	4
APR	65,788	12,100	--	8
MAY	106,571	12,580	--	8
JUNE	20,771	2,370	--	2
JULY	7,120	1,490	--	1
AUG	21,798	2,020	--	1
SEPT	6,293	975	--	1
SUMMARY	347,251	48,460	98	32
WATER YEAR 1980				
OCT	382	14	--	0
NOV	3,358	210	--	0
DEC	60,824	4,020	--	3
JAN	198,139	16,690	--	11
FEB	47,145	2,520	--	2
MAR	4,076	494	--	0
APR	45,031	3,760	--	2
MAY	56,369	4,010	--	3
JUNE	6,509	780	--	1
JULY	1,221	137	--	0
AUG	1,386	102	--	0
SEPT	811	73	--	0
SUMMARY	425,251	32,810	66	22

# SULPHUR RIVER BASIN

## WHITEOAK CREEK NEAR TALCO—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1981</b>					
OCT	5,000	717	--	0	.011
NOV	2,110	191	--	0	.007
DEC	13,739	1,090	--	1	.006
JAN	499	7	--	0	.001
FEB	2,096	204	--	0	.007
MAR	4,875	592	--	0	.009
APR	1,729	184	--	0	.008
MAY	69,599	4,990	--	3	.005
JUNE	155,895	6,970	--	5	.003
JULY	1,872	160	--	0	.006
AUG	200	0	--	0	.000
SEPT	99	0	--	0	.000
<b>SUMMARY</b>	<b>257,713</b>	<b>15,110</b>	<b>31</b>	<b>10</b>	<b>.004</b>
<b>WATER YEAR 1982</b>					
OCT	107,257	4,830	--	3	.003
NOV	18,486	1,030	--	1	.004
DEC	1,192	18	--	0	.001
JAN	987	40	--	0	.003
FEB	5,585	443	--	0	.006
MAR	15,816	1,700	--	1	.008
APR	3,661	303	--	0	.006
MAY	33,929	3,100	--	2	.007
JUNE	15,659	1,940	--	1	.009
JULY	38,339	1,520	--	1	.003
AUG	535	28	--	0	.004
SEPT	124	0	--	0	.000
<b>SUMMARY</b>	<b>241,570</b>	<b>14,950</b>	<b>30</b>	<b>10</b>	<b>.005</b>

## SABINE RIVER BASIN

### 8022000 SABINE RIVER NEAR TATUM

**Net Drainage Area:** 3,493 square miles.

**Location:** State Highway 43 bridge, 5.1 miles northeast of Tatum. Flow records are from stream-gaging station at same location. Starting October 1978 flow records are from State Highway 59 bridge, 12.4 miles downstream from State Highway 43, 8.4 miles northwest of Beckville.

**Records Available:** June 1968 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1979	2,587,717	255,100	73	167	0.007
MIN 1971	514,100	51,480	15	34	.007
AVG 14 yrs	1,765,671	132,583	38	87	.006

#### WATER YEAR 1976

OCT	8130	272	----	0	.0025
NOV	14630	691	----	0	.0035
DEC	23370	894	----	1	.0028
JAN	57670	5860	----	4	.0075
FEB	46370	3310	----	2	.0052
MAR	137700	18500	----	12	.0099
APR	94600	11120	----	7	.0086
MAY	482700	33640	----	22	.0051
JUNE	105000	11000	----	7	.0077
JULY	138900	13800	----	9	.0073
AUG	13580	501	----	0	.0027
SEPT	32180	2460	----	2	.0056
SUMMARY	1155000	102000	29	67	.0065



## SABINE RIVER BASIN

### SABINE RIVER NEAR TATUM—Continued

MONTH      STREAMFLOW IN ACRE-FEET      SUSPENDED-SEDIMENT LOAD OF STREAM IN TONS      TONS PER SQ MI      OF STREAM IN ACRE-FEET      DRY SEDIMENT PCT BY WEIGHT

#### WATER YEAR 1977

MONTH	STREAMFLOW IN ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM IN TONS	TONS PER SQ MI	OF STREAM IN ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
OCT	25,940	1,990	--	1	.006
NOV	28,130	1,270	--	1	.003
DEC	137,400	12,670	--	8	.007
JAN	106,600	5,770	--	4	.004
FEB	360,800	37,330	--	24	.008
MAR	390,400	30,660	--	20	.006
APR	487,400	34,580	--	23	.005
MAY	155,500	13,130	--	9	.006
JUNE	59,090	7,170	--	5	.009
JULY	16,960	1,060	--	1	.005
AUG	22,340	2,980	--	2	.010
SEPT	20,670	1,410	--	1	.005
SUMMARY	1,811,000	150,000	43	98	.006

#### WATER YEAR 1978

MONTH	STREAMFLOW IN ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM IN TONS	TONS PER SQ MI	OF STREAM IN ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
OCT	7,273	186	--	0	.002
NOV	30,232	4,010	--	3	.010
DEC	46,001	4,140	--	3	.007
JAN	59,802	4,860	--	3	.006
FEB	99,573	11,300	--	7	.008
MAR	205,748	28,200	--	18	.010
APR	70,810	6,670	--	4	.007
MAY	70,469	9,290	--	6	.010
JUNE	17,232	1,150	--	1	.005
JULY	7,150	444	--	0	.005
AUG	5,111	251	--	0	.004
SEPT	4,486	255	--	0	.004
SUMMARY	623,887	70,760	20	46	.008

## SABINE RIVER BASIN

### SABINE RIVER NEAR TATUM—Continued

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT	
	ACRE-FEET	TO	TONS	TONS PER SQ MI		
WATER YEAR 1979						
OCT	3,726		276	--	0	.005
NOV	21,058		1,990	--	1	.007
DEC	24,363		1,860	--	1	.006
JAN	274,163		41,240	--	27	.011
FEB	200,000		16,870	--	11	.006
MAR	271,241		40,560	--	27	.011
APR	562,780		39,440	--	26	.005
MAY	603,614		68,200	--	45	.008
JUNE	366,415		23,610	--	15	.005
JULY	66,492		3,560	--	2	.004
AUG	102,868		5,560	--	4	.004
SEPT	90,997		11,940	--	8	.010
SUMMARY	2,587,717		255,100	73	167	.007
WATER YEAR 1980						
OCT	30,123		1,200	--	1	.003
NOV	64,711		4,170	--	3	.005
DEC	122,651		16,520	--	11	.010
JAN	225,896		22,410	--	15	.007
FEB	350,589		27,790	--	18	.006
MAR	132,563		13,230	--	9	.007
APR	253,987		26,660	--	17	.008
MAY	300,218		28,810	--	19	.007
JUNE	55,335		4,000	--	3	.005
JULY	5,462		210	--	0	.003
AUG	3,076		112	--	0	.003
SEPT	3,320		64	--	0	.001
SUMMARY	1,547,931		145,200	42	95	.007

# SABINE RIVER BASIN

## SABINE RIVER NEAR TATUM—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1981</b>					
OCT	11,613	447	--	0	.003
NOV	13,634	406	--	0	.002
DEC	22,413	1,170	--	1	.004
JAN	17,758	553	--	0	.002
FEB	25,910	1,530	--	1	.004
MAR	39,267	2,830	--	2	.005
APR	24,752	1,330	--	1	.004
MAY	132,688	20,440	--	13	.011
JUNE	321,888	30,590	--	20	.007
JULY	204,157	12,700	--	8	.005
AUG	14,491	405	--	0	.002
SEPT	36,260	12,890	--	8	.026
<b>SUMMARY</b>	<b>864,831</b>	<b>85,290</b>	<b>24</b>	<b>56</b>	<b>.007</b>
<b>WATER YEAR 1982</b>					
OCT	65,469	8,090	--	5	.009
NOV	157,188	11,060	--	7	.005
DEC	50,301	1,700	--	1	.002
JAN	48,934	2,290	--	2	.003
FEB	77,953	4,900	--	3	.005
MAR	112,880	9,980	--	7	.006
APR	88,083	8,320	--	5	.007
MAY	162,363	22,150	--	15	.010
JUNE	127,148	13,920	--	9	.008
JULY	87,043	7,980	--	5	.007
AUG	6,817	209	--	0	.002
SEPT	2,830	101	--	0	.003
<b>SUMMARY</b>	<b>987,009</b>	<b>90,700</b>	<b>26</b>	<b>59</b>	<b>.007</b>

## NECHES RIVER BASIN

### 8031200 KICKAPOO CREEK NEAR BROWNSBORO

**Net Drainage Area:** 232 square miles.

**Location:** State Farm Road 314 bridge, 1 mile northeast of Brownsboro. Flow records are from stream-gaging station at same location.

**Records Available:** May 1962 through September 1979.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1973	206,700	6,110	26	4	0.002
MIN 1964	11,890	361	2	0	.002
AVG 17 yrs	102,109	3,122	13	2	.002

#### WATER YEAR 1976

OCT	145	1	----	0	.0005
NOV	578	0	----	0	.0000
DEC	1410	41	----	0	.0021
JAN	3040	65	----	0	.0016
FEB	3940	90	----	0	.0017
MAR	9560	240	----	0	.0018
APR	12450	459	----	0	.0027
MAY	16340	463	----	0	.0021
JUNE	26660	781	----	1	.0022
JULY	11110	298	----	0	.0020
AUG	273	3	----	0	.0008
SEPT	18570	526	----	0	.0021
<b>SUMMARY</b>	<b>104100</b>	<b>2970</b>	<b>13</b>	<b>2</b>	<b>.0021</b>

## NECHES RIVER BASIN

### KICKAPOO CREEK NEAR BROWNSBORO—Continued

STREAMFLOW      SUSPENDED-SEDIMENT LOAD OF STREAM      DRY SEDIMENT  
 MONTH      ACRE-FEET      TONS      TONS PER SQ MI      ACRE-FEET      PCT BY WEIGHT

#### WATER YEAR 1977

MONTH	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
OCT	9,570	215	--	0	.002
NOV	6,570	54	--	0	.001
DEC	22,600	285	--	0	.001
JAN	10,680	48	--	0	.000
FEB	37,810	1,230	--	1	.002
MAR	29,320	706	--	0	.002
APR	34,500	970	--	1	.002
MAY	2,760	143	--	0	.004
JUNE	10,650	312	--	0	.002
JULY	122	0	--	0	.000
AUG	3	0	--	0	.000
SEPT	398	44	--	0	.008
SUMMARY	165,000	4,010	17	3	.002

#### WATER YEAR 1978

MONTH	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
OCT	3	0	--	0	.000
NOV	581	41	--	0	.005
DEC	1,642	17	--	0	.001
JAN	3,217	51	--	0	.001
FEB	8,269	159	--	0	.001
MAR	19,573	636	--	0	.002
APR	3,195	97	--	0	.002
MAY	5,075	171	--	0	.002
JUNE	805	36	--	0	.003
JULY	0	0	--	0	.000
AUG	7	0	--	0	.000
SEPT	1	0	--	0	.000
SUMMARY	42,368	1,210	5	1	.002

# NECHES RIVER BASIN

## KICKAPOO CREEK NEAR BROWNSBORO—Continued

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
	ACRE-FEET	1000	TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1979						
OCT	0		0	--	0	.000
NOV	249		4	--	0	.001
DEC	531		7	--	0	.001
JAN	4,012		86	--	0	.002
FEB	4,637		62	--	0	.001
MAR	9,268		105	--	0	.001
APR	25,315		2,220	--	1	.006
MAY	22,121		705	--	0	.002
JUNE	4,685		69	--	0	.001
JULY	400		8	--	0	.001
AUG	2,655		84	--	0	.002
SEPT	1,642		63	--	0	.003
<b>SUMMARY</b>	<b>75,515</b>		<b>3,410</b>	<b>15</b>	<b>2</b>	<b>.003</b>

## NECHES RIVER BASIN

### 8033000 NECHES RIVER NEAR DIBOLL

**Net Drainage Area:** 2,724 square miles.

**Location:** U.S. Highway 59 bridge, 3.8 miles south of Diboll. Flow records are from stream-gaging station at same location.

**Records Available:** June 1966 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1979	1,761,884	133,600	49	88	0.005
MIN 1971	249,300	13,200	5	9	.004
AVG 16 yrs	1,051,813	55,764	20	37	.004

#### WATER YEAR 1976

OCT	13250	735	----	0	.0041
NOV	25400	2520	----	2	.0073
DEC	20600	642	----	0	.0023
JAN	38180	1540	----	1	.0030
FEB	51360	2790	----	2	.0040
MAR	92290	4840	----	3	.0039
APR	87250	5300	----	3	.0045
MAY	190100	10060	----	7	.0039
JUNE	128600	5610	----	4	.0032
JULY	170300	5510	----	4	.0024
AUG	26460	2220	----	1	.0062
SEPT	38930	1780	----	1	.0034
SUMMARY	882700	43550	16	29	.0036

## NECHES RIVER BASIN

### NECHES RIVER NEAR DIBOLL—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PFR SQ MI	ACRE-FEET	
WATER YEAR 1977					
CCT	40,860	1,440	--	1	.003
NOV	40,820	1,350	--	1	.002
DEC	119,000	2,750	--	2	.002
JAN	120,500	2,410	--	2	.001
FEB	162,900	4,310	--	3	.002
MAR	204,300	4,970	--	3	.002
APR	251,900	5,730	--	4	.002
MAY	137,300	4,170	--	3	.002
JUNE	32,910	2,120	--	1	.005
JULY	14,490	1,080	--	1	.005
AUG	8,550	747	--	0	.006
SEPT	11,080	749	--	0	.005
SUMMARY	1,145,000	31,830	12	21	.002
WATER YEAR 1978					
OCT	6,960	331	--	0	.003
NOV	10,502	338	--	0	.002
DEC	21,417	446	--	0	.002
JAN	65,705	5,600	--	4	.006
FEB	81,422	4,040	--	3	.004
MAR	90,665	10,070	--	7	.008
APR	56,617	3,940	--	3	.005
MAY	29,335	1,290	--	1	.003
JUNE	18,188	663	--	0	.003
JULY	4,139	343	--	0	.006
AUG	4,875	384	--	0	.006
SEPT	6,634	51	--	0	.001
SUMMARY	396,459	27,500	10	18	.005



**NECHES RIVER BASIN**  
**NECHES RIVER NEAR DIBOLL—Continued**

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FeET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1979					
OCT	5,198	141	--	0	.002
NOV	12,636	906	--	1	.005
DEC	22,207	3,550	--	2	.012
JAN	139,122	2,320	--	2	.001
FEB	183,215	2,870	--	2	.001
MAR	242,344	5,960	--	4	.002
APR	441,804	21,000	--	14	.003
MAY	232,168	10,530	--	7	.003
JUNE	240,110	23,250	--	15	.007
JULY	64,935	6,210	--	4	.007
AUG	91,137	47,470	--	31	.038
SEPT	87,008	9,440	--	6	.008
SUMMARY	1,761,884	133,600	49	88	.006

WATER YEAR 1980

OCT	56,759	11,960	--	8	.015
NOV	79,720	4,370	--	3	.004
DEC	123,453	7,280	--	5	.004
JAN	208,981	9,770	--	6	.003
FEB	228,360	15,180	--	10	.005
MAR	147,790	7,180	--	5	.004
APR	170,085	7,070	--	5	.003
MAY	255,415	12,600	--	8	.004
JUNE	43,063	3,780	--	2	.006
JULY	9,792	303	--	0	.002
AUG	4,393	114	--	0	.002
SEPT	3,346	109	--	0	.002
SUMMARY	1,331,157	79,720	29	52	.004

**NECHES RIVER BASIN**  
**NECHES RIVER NEAR DIBOLL—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	OF STREAM TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1981</b>					
OCT	4,234	70	--	0	.001
NOV	7,777	79	--	0	.001
DEC	11,050	109	--	0	.001
JAN	12,880	284	--	0	.002
FEB	21,217	1,610	--	1	.006
MAR	29,328	1,310	--	1	.003
APR	17,990	1,140	--	1	.005
MAY	30,520	1,510	--	1	.004
JUNE	151,759	4,240	--	3	.002
JULY	66,806	2,830	--	2	.003
AUG	5,966	142	--	0	.002
SEPT	14,289	381	--	0	.002
<b>SUMMARY</b>	<b>373,816</b>	<b>13,710</b>	<b>5</b>	<b>9</b>	<b>.003</b>
<b>WATER YEAR 1982</b>					
OCT	58,505	3,300	--	2	.004
NOV	42,740	9,920	--	7	.017
DEC	20,057	582	--	0	.002
JAN	29,379	942	--	1	.002
FEB	56,172	1,970	--	1	.003
MAR	62,051	3,010	--	2	.004
APR	196,919	11,090	--	7	.004
MAY	212,710	5,910	--	4	.002
JUNE	49,678	8,440	--	6	.012
JULY	43,629	7,380	--	5	.012
AUG	6,482	288	--	0	.003
SEPT	3,873	194	--	0	.004
<b>SUMMARY</b>	<b>782,195</b>	<b>53,030</b>	<b>19</b>	<b>35</b>	<b>.005</b>

## NECHES RIVER BASIN

### 8033300 PINEY CREEK NEAR GROVETON

**Net Drainage Area:** 79 square miles.

**Location:** State Highway 94 bridge, 6.5 miles northeast of Groveton. Flow records are from stream-gaging station at same location.

**Records Available:** May 1962 through September 1979.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1979	102,974	10,070	127	7	0.007
MIN 1971	511	87	1	0	.013
AVG 17 yrs	27,315	3,317	42	2	.009
<b>WATER YEAR 1976</b>					
OCT	718	67	----	0	.0069
NOV	1000	320	----	0	.0235
DEC	208	11	----	0	.0039
JAN	900	253	----	0	.0207
FEB	1480	488	----	0	.0242
MAR	1530	460	----	0	.0221
APR	1460	823	----	1	.0414
MAY	4170	910	----	1	.0160
JUNE	2970	918	----	1	.0227
JULY	186	2	----	0	.0008
AUG	8	0	----	0	.0000
SEPT	225	20	----	0	.0065
SUMMARY	14860	4270	54	3	.0211

# NECHES RIVER BASIN

## PINEY CREEK NEAR GROVETON—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1977					
OCT	60	3	--	0	.004
NOV	138	2	--	0	.001
DEC	3,710	295	--	0	.006
JAN	2,380	272	--	0	.008
FEB	4,020	387	--	0	.007
MAR	5,070	823	--	1	.012
APR	6,730	831	--	1	.009
MAY	384	16	--	0	.003
JUNE	1,820	220	--	0	.009
JULY	33	0	--	0	.000
AUG	819	96	--	0	.009
SEPT	812	112	--	0	.010
SUMMARY	25,980	3,060	39	2	.009
WATER YEAR 1978					
OCT	33	0	--	0	.000
NOV	0	0	--	0	.000
DEC	686	94	--	0	.010
JAN	5,896	1,750	--	1	.022
FEB	4,692	423	--	0	.007
MAR	1,005	67	--	0	.005
APR	93	0	--	0	.000
MAY	5	0	--	0	.000
JUNE	720	226	--	0	.023
JULY	0	0	--	0	.000
AUG	0	0	--	0	.000
SEPT	0	0	--	0	.000
SUMMARY	13,130	2,560	32	2	.014

**NECHES RIVER BASIN**  
**PINEY CREEK NEAR GROVETON—Continued**

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
	ACRE-FEET		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1979</b>						
OCT	0		0	--	0	.000
NOV	0		0	--	0	.000
DEC	545		45	--	0	.006
JAN	9,665		1,120	--	1	.009
FEB	16,302		2,010	--	1	.009
MAR	12,442		1,090	--	1	.006
APR	23,387		1,930	--	1	.006
MAY	15,146		1,020	--	1	.005
JUNE	9,417		1,560	--	1	.012
JULY	6,956		712	--	0	.008
AUG	829		29	--	0	.003
SEPT	8,285		555	--	0	.005
<b>SUMMARY</b>	<b>102,974</b>		<b>10,070</b>	<b>127</b>	<b>7</b>	<b>.007</b>

0.010	0					OCT
0.010	0					NOV
0.010	0					DEC
0.010	0					JAN
0.010	0					FEB
0.010	0					MAR
0.010	0					APR
0.010	0					MAY
0.010	0					JUNE
0.010	0					JULY
0.010	0					AUG
0.010	0					SEPT
0.010	1					SUMMARY

**NECHES RIVER BASIN**  
**8037050 BAYOU LA NANA AT NACOGDOCHES**

**Net Drainage Area:** 31.3 square miles.

**Location:** Farm Road 1878 bridge in Nacogdoches. Flow records are from stream-gaging station at same location.

**Records Available:** October 1965 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1979	65,473	35,330	1,140	23	0.040
MIN 1971	1,430	146	5	0	.007
AVG 17 yrs	22,208	7,042	225	5	.023

**WATER YEAR 1976**

OCT	183	31	----	0	.0124
NOV	329	64	----	0	.0143
DEC	285	5	----	0	.0013
JAN	457	16	----	0	.0026
FEB	1320	152	----	0	.0073
MAR	1440	109	----	0	.0056
APR	1220	395	----	0	.0238
MAY	1750	194	----	0	.0081
JUNE	1970	565	----	0	.0211
JULY	1370	82	----	0	.0044
AUG	36	0	----	0	.0000
SEPT	108	1	----	0	.0007
<b>SUMMARY</b>	<b>10470</b>	<b>1590</b>	<b>51</b>	<b>1</b>	<b>.0112</b>

# NECHES RIVER BASIN

## BAYOU LA NANA AT NACOGDOCHES—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1977</b>					
OCT	117	4	--	0	.003
NOV	173	2	--	0	.001
DEC	2,580	459	--	0	.013
JAN	2,090	510	--	0	.018
FEB	3,300	975	--	1	.022
MAR	3,280	1,250	--	1	.028
APR	1,330	51	--	0	.003
MAY	393	27	--	0	.005
JUNE	240	8	--	0	.002
JULY	23	0	--	0	.000
AUG	218	9	--	0	.003
SEPT	61	7	--	0	.008
<b>SUMMARY</b>	<b>13,810</b>	<b>3,300</b>	<b>106</b>	<b>2</b>	<b>.018</b>
<b>WATER YEAR 1978</b>					
OCT	65	7	--	0	.008
NOV	150	2	--	0	.001
DEC	255	12	--	0	.003
JAN	2,017	216	--	0	.008
FEB	2,227	135	--	0	.004
MAR	2,017	99	--	0	.004
APR	1,374	67	--	0	.004
MAY	870	32	--	0	.003
JUNE	172	4	--	0	.002
JULY	15	0	--	0	.000
AUG	17	0	--	0	.000
SEPT	148	13	--	0	.006
<b>SUMMARY</b>	<b>9,327</b>	<b>587</b>	<b>19</b>	<b>0</b>	<b>.005</b>

**NECHES RIVER BASIN**  
**BAYOU LA NANA AT NACOGDOCHES—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT
		TONS	TONS PER SQ MI	PCT BY WEIGHT
<b>WATER YEAR 1979</b>				
OCT	5	0	--	.000
NOV	973	196	--	.015
DEC	1,116	147	--	.010
JAN	9,616	2,040	--	.016
FEB	7,247	1,030	--	.010
MAR	7,571	2,040	--	.020
APR	4,855	705	--	.011
MAY	14,404	13,700	--	.070
JUNE	17,532	15,130	--	.063
JULY	1,090	282	--	.019
AUG	295	2	--	.000
SEPT	769	55	--	.005
<b>SUMMARY</b>	<b>65,473</b>	<b>35,330</b>	<b>1,140</b>	<b>.040</b>

**WATER YEAR 1980**

OCT	485	67	--	0	.010
NOV	3,772	2,300	--	2	.045
DEC	2,808	577	--	0	.015
JAN	3,933	837	--	1	.016
FEB	3,296	515	--	0	.011
MAR	2,108	111	--	0	.004
APR	3,687	1,150	--	1	.023
MAY	4,573	1,810	--	1	.029
JUNE	416	19	--	0	.003
JULY	37	1	--	0	.002
AUG	49	2	--	0	.003
SEPT	343	27	--	0	.006
<b>SUMMARY</b>	<b>25,507</b>	<b>7,420</b>	<b>239</b>	<b>5</b>	<b>.021</b>



## NECHES RIVER BASIN

### BAYOU LA NANA AT NACOGDOCHES—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1981					
OCT	41	1	--	0	.002
NOV	164	2	--	0	.001
DEC	107	0	--	0	.000
JAN	150	1	--	0	.000
FEB	392	25	--	0	.005
MAR	472	23	--	0	.004
APR	124	0	--	0	.000
MAY	731	33	--	0	.003
JUNE	1,303	314	--	0	.018
JULY	983	54	--	0	.004
AUG	61	1	--	0	.001
SEPT	2,344	1,090	--	1	.034
SUMMARY	6,872	1,540	50	1	.016
WATER YEAR 1982					
OCT	2,078	300	--	0	.011
NOV	1,471	111	--	0	.006
DEC	416	0	--	0	.000
JAN	1,535	228	--	0	.011
FEB	2,023	109	--	0	.004
MAR	1,261	59	--	0	.003
APR	10,466	3,930	--	3	.028
MAY	2,084	217	--	0	.008
JUNE	761	46	--	0	.004
JULY	529	17	--	0	.002
AUG	71	0	--	0	.000
SEPT	75	1	--	0	.001
SUMMARY	22,770	5,020	162	3	.016

## TRINITY RIVER BASIN

### 8062500 TRINITY RIVER NEAR ROSSER

**Net Drainage Area:** 8,147 square miles.

**Location:** State Highway 34 bridge between Rosser and Ennis. Flow records are from stream-gaging station at same location.

**Records Available:** November 22, 1938 to June 27, 1940; March 1953 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	4,202,000	4,808,582	590	3,154	0.084
MIN 1955	226,100	144,572	18	96	.047
AVG 29 yrs	1,843,222	951,046	117	624	.038

#### WATER YEAR 1976

OCT	22810	358	----	0	.0012
NOV	26000	626	----	0	.0018
DEC	34280	3930	----	3	.0084
JAN	28180	491	----	0	.0013
FEB	28410	833	----	1	.0022
MAR	46960	10680	----	7	.0167
APR	332700	275900	----	181	.0609
MAY	153100	81940	----	54	.0393
JUNE	136200	58990	----	39	.0318
JULY	79450	24990	----	16	.0231
AUG	35450	1120	----	1	.0023
SEPT	72350	39810	----	26	.0404
<b>SUMMARY</b>	<b>995900</b>	<b>499700</b>	<b>61</b>	<b>328</b>	<b>.0369</b>

## TRINITY RIVER BASIN

### TRINITY RIVER NEAR ROSSER—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET PCT BY WEIGHT
WATER YEAR 1977				
OCT	73,540	21,170	--	14 .021
NOV	44,750	4,840	--	3 .008
DEC	85,630	27,610	--	18 .024
JAN	81,240	12,830	--	8 .012
FEB	165,900	107,500	--	70 .048
MAR	395,600	216,400	--	142 .040
APR	657,200	268,900	--	176 .030
MAY	238,600	104,400	--	68 .032
JUNE	59,280	10,810	--	7 .013
JULY	37,630	4,340	--	3 .008
AUG	49,920	22,820	--	15 .034
SEPT	38,430	2,160	--	1 .004
SUMMARY	1,928,000	803,800	99	527 .031
WATER YEAR 1978				
OCT	30,147	1,830	--	1 .004
NOV	33,624	3,870	--	3 .008
DEC	25,702	1,010	--	1 .003
JAN	33,788	1,370	--	1 .003
FEB	75,603	60,110	--	39 .058
MAR	67,641	40,690	--	27 .044
APR	45,898	9,430	--	6 .015
MAY	100,751	77,790	--	51 .057
JUNE	38,249	4,150	--	3 .008
JULY	27,437	1,520	--	1 .004
AUG	38,029	7,780	--	5 .015
SEPT	30,728	883	--	1 .002
SUMMARY	547,597	210,400	26	138 .028

# TRINITY RIVER BASIN

## TRINITY RIVER NEAR ROSSER—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1979					
OCT	26,196	309	--	0	.001
NOV	46,473	10,870	--	7	.017
DEC	31,622	1,530	--	1	.004
JAN	88,838	69,290	--	45	.057
FEB	64,134	26,560	--	17	.030
MAR	192,627	200,100	--	131	.076
APR	181,402	104,700	--	69	.042
MAY	504,519	379,400	--	249	.055
JUNE	261,833	116,300	--	76	.033
JULY	42,064	7,760	--	5	.014
AUG	78,141	29,270	--	19	.028
SEPT	38,527	2,700	--	2	.005
<b>SUMMARY</b>	<b>1,556,376</b>	<b>948,800</b>	<b>116</b>	<b>622</b>	<b>.045</b>
WATER YEAR 1980					
OCT	38,874	4,950	--	3	.009
NOV	39,126	4,760	--	3	.009
DEC	62,037	23,830	--	16	.028
JAN	89,787	57,240	--	38	.047
FEB	69,864	17,570	--	12	.018
MAR	49,405	6,110	--	4	.009
APR	73,379	32,350	--	21	.032
MAY	140,064	101,700	--	67	.053
JUNE	46,029	8,030	--	5	.013
JULY	32,571	1,940	--	1	.004
AUG	33,126	840	--	1	.002
SEPT	51,438	23,540	--	15	.034
<b>SUMMARY</b>	<b>725,700</b>	<b>282,900</b>	<b>35</b>	<b>186</b>	<b>.029</b>

# TRINITY RIVER BASIN

## TRINITY RIVER NEAR ROSSER—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1981					
OCT	68,625	21,620	--	14	.023
NOV	37,383	1,910	--	1	.004
DEC	55,561	23,450	--	15	.031
JAN	34,346	2,080	--	1	.004
FEB	35,211	1,240	--	1	.003
MAR	101,801	100,500	--	66	.073
APR	54,552	14,560	--	10	.020
MAY	204,056	175,000	--	115	.063
JUNE	509,660	239,600	--	157	.035
JULY	149,230	96,680	--	63	.048
AUG	37,212	1,530	--	1	.003
SEPT	52,552	11,700	--	8	.016
SUMMARY	1,340,189	689,900	85	453	.038
WATER YEAR 1982					
OCT	684,803	258,500	--	170	.028
NOV	1,003,353	322,500	--	212	.024
DEC	573,985	139,000	--	91	.018
JAN	411,477	107,800	--	71	.019
FEB	355,046	97,980	--	64	.020
MAR	223,937	80,450	--	53	.026
APR	116,689	30,730	--	20	.019
MAY	1,052,881	305,200	--	200	.021
JUNE	864,210	235,500	--	154	.020
JULY	567,320	160,800	--	105	.021
AUG	424,984	99,460	--	65	.017
SEPT	113,763	19,650	--	13	.013
SUMMARY	6,392,448	1,858,000	228	1,219	.021

**TRINITY RIVER BASIN**  
**8064500 CHAMBERS CREEK NEAR CORSICANA**

**Net Drainage Area:** 963 square miles.

**Location:** State Highway 31 bridge, 5.3 miles east of Corsicana. Flow records are from stream-gaging station at same location.

**Records Available:** June 1963 through September 1979.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	748,700	682,100	708	447	0.067
MIN 1978	27,620	35,210	37	23	.094
AVG 16 yrs	319,194	438,541	455	287	.101

**WATER YEAR 1976**

OCT	241	1	----	0	.0003
NOV	196	1	----	0	.0004
DEC	418	13	----	0	.0023
JAN	263	0	----	0	.0000
FEB	360	3	----	0	.0006
MAR	2300	3840	----	3	.1226
APR	74730	110800	----	73	.1089
MAY	82340	111000	----	73	.0990
JUNE	42610	42240	----	28	.0728
JULY	25210	38820	----	25	.1131
AUG	499	12	----	0	.0018
SEPT	64700	106100	----	70	.1205
SUMMARY	293900	412800	429	271	.1032

## TRINITY RIVER BASIN

### CHAMBERS CREEK NEAR CORSICANA—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	LOAD OF STREAM TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1977</b>					
OCT	16,000	20,690	--	14	.095
NOV	6,760	3,300	--	2	.036
DEC	27,740	30,990	--	20	.082
JAN	13,800	5,700	--	4	.030
FEB	87,660	88,390	--	58	.074
MAR	92,350	125,900	--	83	.100
APR	134,000	163,200	--	107	.089
MAY	22,840	12,960	--	9	.042
JUNE	2,990	527	--	0	.013
JULY	436	30	--	0	.005
AUG	373	13	--	0	.003
SEPT	256	6	--	0	.002
<b>SUMMARY</b>	<b>405,200</b>	<b>451,700</b>	<b>469</b>	<b>296</b>	<b>.082</b>
<b>WATER YEAR 1978</b>					
OCT	186	0	--	0	.000
NOV	166	1	--	0	.000
DEC	170	0	--	0	.000
JAN	297	0	--	0	.000
FEB	6,132	9,860	--	6	.118
MAR	11,303	11,450	--	8	.074
APR	642	25	--	0	.003
MAY	7,529	12,440	--	8	.121
JUNE	315	16	--	0	.004
JULY	0	0	--	0	.000
AUG	317	137	--	0	.032
SEPT	563	1,280	--	1	.167
<b>SUMMARY</b>	<b>27,620</b>	<b>35,210</b>	<b>37</b>	<b>23</b>	<b>.094</b>

# TRINITY RIVER BASIN

## CHAMBERS CREEK NEAR CORSICANA—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1979					
OCT	3	0	--	0	.000
NOV	694	222	--	0	.023
DEC	222	32	--	0	.011
JAN	7,932	32,120	--	21	.297
FEB	8,045	10,440	--	7	.095
MAR	39,697	78,570	--	52	.145
APR	31,289	35,120	--	23	.082
MAY	135,522	174,500	--	114	.095
JUNE	68,119	59,040	--	39	.064
JULY	5,879	10,510	--	7	.131
AUG	5,409	3,570	--	2	.048
SEPT	678	50	--	0	.005
<b>SUMMARY</b>	<b>303,489</b>	<b>404,200</b>	<b>420</b>	<b>265</b>	<b>.098</b>



## TRINITY RIVER BASIN

### 8065350 TRINITY RIVER NEAR CROCKETT

**Net Drainage Area:** 13,911 square miles.

**Location:** State Highway 7 bridge, 12 miles west of Crockett. Flow records are from stream-gaging station at same location.

**Records Available:** May 1968 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1975	8,338,000	2,179,000	157	1,429	0.019
MIN 1978	1,081,442	343,600	25	225	.023
AVG 14 yrs	4,082,256	1,601,850	115	1,059	.029

#### WATER YEAR 1976

OCT	52470	4680	----	3	.0066
NOV	45500	1920	----	1	.0031
DEC	56980	3860	----	3	.0050
JAN	64140	3060	----	2	.0035
FEB	62210	10150	----	7	.0120
MAR	155600	112700	----	74	.0532
APR	590500	316100	----	207	.0393
MAY	826900	421800	----	277	.0375
JUNE	691200	418800	----	275	.0445
JULY	315700	259100	----	170	.0603
AUG	53070	2950	----	2	.0041
SEPT	220700	135100	----	89	.0450
<b>SUMMARY</b>	<b>3135000</b>	<b>1690000</b>	<b>121</b>	<b>1108</b>	<b>.0396</b>

# TRINITY RIVER BASIN

## TRINITY RIVER NEAR CROCKETT—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1977</b>					
OCT	213,200	119,700	--	79	.041
NOV	148,500	68,280	--	45	.034
DEC	452,000	197,900	--	130	.032
JAN	185,800	59,740	--	39	.024
FEB	707,600	352,000	--	231	.037
MAR	493,500	242,300	--	159	.036
APR	1,545,000	347,400	--	228	.017
MAY	509,000	165,600	--	109	.024
JUNE	293,700	116,900	--	77	.029
JULY	45,660	2,100	--	1	.003
AUG	64,300	3,940	--	3	.005
SEPT	53,440	4,430	--	3	.006
<b>SUMMARY</b>	<b>4,712,000</b>	<b>1,680,000</b>	<b>121</b>	<b>1,102</b>	<b>.026</b>
<b>WATER YEAR 1978</b>					
OCT	42,151	1,390	--	1	.002
NOV	52,832	3,630	--	2	.005
DEC	54,018	2,440	--	2	.003
JAN	79,728	7,280	--	5	.007
FEB	177,265	41,580	--	27	.017
MAR	278,979	185,000	--	121	.049
APR	83,017	9,870	--	6	.009
MAY	116,004	44,150	--	29	.028
JUNE	72,798	24,620	--	16	.025
JULY	29,792	2,170	--	1	.005
AUG	42,780	9,270	--	6	.016
SEPT	52,078	12,170	--	8	.017
<b>SUMMARY</b>	<b>1,081,442</b>	<b>343,600</b>	<b>25</b>	<b>225</b>	<b>.023</b>

# TRINITY RIVER BASIN

## TRINITY RIVER NEAR CROCKETT—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1979					
OCT	33,665	13,700	--	9	.030
NOV	80,879	76,410	--	50	.069
DEC	46,953	120,800	--	79	.189
JAN	257,974	219,400	--	144	.062
FEB	193,906	118,200	--	78	.045
MAR	582,216	396,800	--	260	.050
APR	697,537	342,500	--	225	.036
MAY	927,801	400,100	--	262	.032
JUNE	755,019	238,800	--	157	.023
JULY	198,449	108,200	--	71	.040
AUG	160,544	85,920	--	56	.039
SEPT	130,972	44,800	--	29	.025
SUMMARY	4,065,915	2,166,000	156	1,421	.039
WATER YEAR 1980					
OCT	57,971	4,830	--	3	.006
NOV	80,262	23,720	--	16	.022
DEC	182,259	165,800	--	109	.067
JAN	355,284	146,100	--	96	.030
FEB	339,138	144,500	--	95	.031
MAR	128,729	21,300	--	14	.012
APR	335,905	182,500	--	120	.040
MAY	566,904	295,300	--	194	.038
JUNE	91,596	11,980	--	8	.010
JULY	48,131	21,370	--	14	.033
AUG	41,437	3,160	--	2	.006
SEPT	37,361	2,750	--	2	.005
SUMMARY	2,264,977	1,023,000	74	671	.033

# TRINITY RIVER BASIN

## TRINITY RIVER NEAR CROCKETT—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1981					
OCT	89,795	53,270	--	35	.044
NOV	49,194	8,780	--	6	.013
DEC	77,168	29,020	--	19	.028
JAN	59,405	4,620	--	3	.006
FEB	68,966	7,890	--	5	.008
MAR	122,393	67,190	--	44	.040
APR	121,283	396,000	--	260	.240
MAY	285,253	401,700	--	263	.103
JUNE	1,303,893	443,700	--	291	.025
JULY	351,000	199,000	--	131	.042
AUG	64,394	20,950	--	14	.024
SEPT	104,399	14,480	--	9	.010
SUMMARY	2,697,143	1,647,000	118	1,080	.045
WATER YEAR 1982					
OCT	577,950	175,800	--	115	.022
NOV	0	0	--	0	.000
DEC	638,548	192,700	--	126	.022
JAN	467,748	107,900	--	71	.017
FEB	341,519	91,630	--	60	.020
MAR	379,721	144,500	--	95	.028
APR	243,038	107,800	--	71	.033
MAY	792,388	218,900	--	144	.020
JUNE	1,258,332	204,700	--	134	.012
JULY	787,409	250,500	--	164	.023
AUG	441,963	160,600	--	105	.027
SEPT	159,883	53,890	--	35	.025
SUMMARY	6,088,499	1,709,000	123	1,121	.021

## TRINITY RIVER BASIN

### 8066200 LONG KING CREEK AT LIVINGSTON

**Net Drainage Area:** 141 square miles.

**Location:** U.S. Highway 190 bridge, 2 miles west of Livingston. Flow records are from stream-gaging station at same location.

**Records Available:** June 1963 through September 1979.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1973	185,600	228,300	1,619	150	0.090
MIN 1970	8,890	3,150	22	2	.026
AVG 16 yrs	112,588	83,093	589	55	.054

#### WATER YEAR 1976

OCT	1860	1560	----	1	.0616
NOV	5920	7860	----	5	.0975
DEC	5960	5870	----	4	.0724
JAN	2890	270	----	0	.0069
FEB	3070	1260	----	1	.0302
MAR	5300	6450	----	4	.0894
APR	2220	368	----	0	.0122
MAY	11570	19600	----	13	.1244
JUNE	7310	5940	----	4	.0597
JULY	2340	494	----	0	.0155
AUG	218	4	----	0	.0013
SEPT	529	437	----	0	.0607
<b>SUMMARY</b>	<b>49190</b>	<b>50110</b>	<b>355</b>	<b>33</b>	<b>.0748</b>

# TRINITY RIVER BASIN

## LONG KING CREEK AT LIVINGSTON—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1977</b>					
OCT	624	191	--	0	.022
NOV	708	34	--	0	.004
DEC	8,880	4,620	--	3	.038
JAN	8,440	5,990	--	4	.052
FEB	7,000	7,010	--	5	.074
MAR	3,370	1,250	--	1	.027
APR	7,870	9,950	--	7	.093
MAY	1,200	186	--	0	.011
JUNE	174	4	--	0	.002
JULY	48	0	--	0	.000
AUG	177	52	--	0	.022
SEPT	2,360	1,090	--	1	.034
<b>SUMMARY</b>	<b>40,850</b>	<b>30,380</b>	<b>215</b>	<b>20</b>	<b>.055</b>
<b>WATER YEAR 1978</b>					
OCT	224	1	--	0	.000
NOV	549	168	--	0	.022
DEC	5,073	5,090	--	3	.074
JAN	14,366	21,300	--	14	.109
FEB	14,213	14,790	--	10	.076
MAR	1,553	48	--	0	.002
APR	563	5	--	0	.001
MAY	301	8	--	0	.002
JUNE	301	55	--	0	.013
JULY	172	21	--	0	.009
AUG	91	7	--	0	.006
SEPT	575	145	--	0	.019
<b>SUMMARY</b>	<b>37,981</b>	<b>41,640</b>	<b>295</b>	<b>27</b>	<b>.081</b>

**TRINITY RIVER BASIN**  
**LONG KING CREEK AT LIVINGSTON—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
<b>WATER YEAR 1979</b>					
OCT	69	0	--	0	.000
NOV	747	163	--	0	.016
DEC	1,644	175	--	0	.008
JAN	11,742	18,950	--	12	.119
FEB	16,419	16,220	--	11	.073
MAR	13,658	29,250	--	19	.157
APR	50,238	74,620	--	49	.109
MAY	10,068	21,330	--	14	.156
JUNE	3,326	1,320	--	1	.029
JULY	4,462	11,290	--	7	.186
AUG	1,200	319	--	0	.020
SEPT	8,854	18,610	--	12	.154
<b>SUMMARY</b>	<b>122,427</b>	<b>192,200</b>	<b>1,363</b>	<b>126</b>	<b>.115</b>

# TRINITY RIVER BASIN

## 8066500 TRINITY RIVER AT ROMAYOR

**Net Drainage Area:** 17,186 square miles.

**Location:** State Highway 105 bridge, 2 miles south of Romayor. Flow records are from stream-gaging station at same location.

**Records Available:** August 10, 1936 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1945	12,200,000	13,559,310	789	8,893	0.081
MIN 1971	528,500	37,140	2	24	.005
AVG 46 yrs	5,301,050	3,434,621	200	2,253	.048

### WATER YEAR 1976

OCT	68940	3700	----	2	.0039
NOV	89790	5800	----	4	.0047
DEC	79060	7960	----	5	.0074
JAN	107000	4060	----	3	.0028
FEB	103300	3060	----	2	.0022
MAR	165700	12570	----	8	.0056
APR	445600	90280	----	59	.0149
MAY	1265000	208600	----	137	.0121
JUNE	926200	110500	----	72	.0088
JULY	394500	13030	----	9	.0024
AUG	72200	874	----	1	.0009
SEPT	142100	6730	----	4	.0035
SUMMARY	3859000	467200	27	306	.0089



**TRINITY RIVER BASIN**  
**TRINITY RIVER AT ROMAYOR—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1977					
CCT	202,200	14,470	--	9	.005
NOV	166,700	5,780	--	4	.003
DEC	686,600	91,580	--	60	.010
JAN	283,700	15,010	--	10	.004
FEB	890,800	382,000	--	251	.032
MAR	546,200	74,510	--	49	.010
APR	1,865,000	966,300	--	634	.038
MAY	630,600	58,900	--	39	.007
JUNE	262,300	23,520	--	15	.007
JULY	97,770	2,490	--	2	.002
AUG	84,770	2,040	--	1	.002
SEPT	58,840	2,300	--	2	.003
SUMMARY	5,775,000	1,639,000	95	1,075	.021

WATER YEAR 1978					
OCT	44,335	878	--	1	.001
NOV	40,322	1,280	--	1	.002
DEC	55,192	6,310	--	4	.008
JAN	259,899	67,170	--	44	.019
FEB	365,340	29,820	--	20	.006
MAR	311,131	27,740	--	18	.007
APR	121,965	3,400	--	2	.002
MAY	120,537	6,430	--	4	.004
JUNE	160,742	6,350	--	4	.003
JULY	133,430	3,870	--	3	.002
AUG	99,274	2,590	--	2	.002
SEPT	77,681	3,150	--	2	.003
SUMMARY	1,789,848	159,000	9	104	.007

# TRINITY RIVER BASIN

## TRINITY RIVER AT ROMAYOR—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1979					
OCT	33,211	603	--	0	.001
NOV	63,287	2,150	--	1	.002
DEC	45,914	1,960	--	1	.003
JAN	457,890	106,800	--	70	.017
FEB	592,550	110,900	--	73	.014
MAR	919,748	131,200	--	86	.010
APR	1,465,766	353,100	--	232	.018
MAY	1,227,647	134,400	--	88	.008
JUNE	1,288,580	159,600	--	105	.009
JULY	374,266	73,850	--	48	.014
AUG	234,370	10,650	--	7	.003
SEPT	513,706	165,000	--	108	.024
SUMMARY	7,216,935	1,250,000	73	820	.013

### WATER YEAR 1980

OCT	77,298	4,340	--	3	.004
NOV	194,502	40,950	--	27	.015
DEC	322,120	30,610	--	20	.007
JAN	501,270	66,860	--	44	.010
FEB	615,856	70,070	--	46	.008
MAR	340,904	82,160	--	54	.018
APR	482,228	31,040	--	20	.005
MAY	1,097,549	140,300	--	92	.009
JUNE	164,273	6,400	--	4	.003
JULY	124,186	3,140	--	2	.002
AUG	73,357	2,070	--	1	.002
SEPT	79,657	2,130	--	1	.002
SUMMARY	4,073,200	480,100	28	315	.009

TRINITY RIVER BASIN

TRINITY RIVER AT ROMAYOR—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1981					
OCT	57,979	1,200	--	1	.002
NOV	37,073	690	--	0	.001
DEC	46,314	1,110	--	1	.002
JAN	51,400	1,550	--	1	.002
FEB	44,073	1,090	--	1	.002
MAR	55,920	2,720	--	2	.004
APR	79,359	2,830	--	2	.003
MAY	293,478	43,910	--	29	.011
JUNE	1,738,398	241,400	--	158	.010
JULY	629,146	62,140	--	41	.007
AUG	85,845	1,220	--	1	.001
SEPT	61,377	1,560	--	1	.002
SUMMARY	3,180,362	361,400	21	237	.008
WATER YEAR 1982					
OCT	589,728	53,680	--	35	.007
NOV	1,312,085	82,580	--	54	.005
DEC	633,410	15,850	--	10	.002
JAN	481,772	12,340	--	8	.002
FEB	392,693	10,600	--	7	.002
MAR	430,598	17,630	--	12	.003
APR	560,041	77,110	--	51	.010
MAY	1,176,394	192,700	--	126	.012
JUNE	1,422,367	116,700	--	77	.006
JULY	829,737	54,680	--	36	.005
AUG	431,688	17,530	--	11	.003
SEPT	156,779	4,100	--	3	.002
SUMMARY	8,417,292	655,500	38	430	.006

## SAN JACINTO RIVER BASIN

### 8070000 EAST FORK SAN JACINTO RIVER NEAR CLEVELAND

**Net Drainage Area:** 325 square miles.

**Location:** State Highway 105 bridge about one mile southwest of Cleveland. Flow records are from stream-gaging station at same location.

**Records Available:** December 1952 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1975	384,200	63,220	195	41	0.012
MIN 1971	16,530	634	2	0	.003
AVG 29 yrs	141,741	26,093	80	17	.014

#### WATER YEAR 1976

OCT	6270	405	----	0	.0047
NOV	6500	316	----	0	.0036
DEC	13210	3640	----	2	.0202
JAN	6680	501	----	0	.0055
FEB	5680	267	----	0	.0035
MAR	7070	266	----	0	.0028
APR	5140	492	----	0	.0070
MAY	25470	2610	----	2	.0075
JUNE	43090	5030	----	3	.0086
JULY	5440	407	----	0	.0055
AUG	1250	37	----	0	.0022
SEPT	3740	165	----	0	.0032
<b>SUMMARY</b>	<b>129500</b>	<b>14140</b>	<b>44</b>	<b>9</b>	<b>.0080</b>

# SAN JACINTO RIVER BASIN

## EAST FORK SAN JACINTO RIVER NEAR CLEVELAND—Continued

THREE MONTHLY STREAMFLOW AND SUSPENDED-SEDIMENT LOAD OF STREAM AND DRY SEDIMENT  
 MONTHLY ACRE-FEET TONS TONS PER SQ MI ACRE-FEET PCT BY WEIGHT

**WATER YEAR 1977**

MONTH	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
OCT	7,540	534	--	0	.005
NOV	8,450	642	--	0	.006
DEC	39,550	3,850	--	3	.007
JAN	20,260	3,220	--	2	.012
FEB	29,060	3,150	--	2	.008
MAR	10,740	170	--	0	.001
APR	47,570	15,430	--	10	.024
MAY	3,870	90	--	0	.002
JUNE	2,210	86	--	0	.003
JULY	1,130	82	--	0	.005
AUG	1,200	38	--	0	.002
SEPT	1,590	39	--	0	.002
<b>SUMMARY</b>	<b>173,200</b>	<b>27,330</b>	<b>84</b>	<b>18</b>	<b>.012</b>

**WATER YEAR 1978**

MONTH	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
OCT	1,209	28	--	0	.002
NOV	2,122	138	--	0	.005
DEC	4,734	615	--	0	.010
JAN	27,776	4,760	--	3	.013
FEB	36,557	5,580	--	4	.011
MAR	4,786	586	--	0	.009
APR	2,257	61	--	0	.002
MAY	1,616	50	--	0	.002
JUNE	3,401	294	--	0	.006
JULY	1,079	10	--	0	.001
AUG	712	16	--	0	.002
SEPT	2,439	61	--	0	.002
<b>SUMMARY</b>	<b>88,688</b>	<b>12,200</b>	<b>38</b>	<b>8</b>	<b>.010</b>

# SAN JACINTO RIVER BASIN

## EAST FORK SAN JACINTO RIVER NEAR CLEVELAND—Continued

MONTH TO 31    STREAMFLOW    SUSPENDED-SEDIMENT LOAD OF STREAM    DRY SEDIMENT  
 ACRE-FEET    TONS    TONS PER SQ MI    ACRE-FEET    PCT BY WEIGHT

### WATER YEAR 1979

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	LOAD PER SQ MI TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
OCT	904	5	--	0	.000
NOV	2,612	124	--	0	.003
DEC	7,338	399	--	0	.004
JAN	61,944	5,930	--	4	.007
FEB	49,254	4,460	--	3	.007
MAR	26,138	2,560	--	2	.007
APR	72,665	7,180	--	5	.007
MAY	25,950	3,010	--	2	.009
JUNE	33,802	2,680	--	2	.006
JULY	31,860	8,620	--	6	.020
AUG	5,914	357	--	0	.004
SEPT	42,835	3,250	--	2	.006
<b>SUMMARY</b>	<b>361,216</b>	<b>38,580</b>	<b>119</b>	<b>25</b>	<b>.008</b>

### WATER YEAR 1980

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	LOAD PER SQ MI TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
OCT	4,298	435	--	0	.007
NOV	10,234	797	--	1	.006
DEC	14,656	733	--	0	.004
JAN	12,382	869	--	1	.005
FEB	17,022	2,330	--	2	.010
MAR	24,395	2,380	--	2	.007
APR	7,251	383	--	0	.004
MAY	16,776	2,110	--	1	.009
JUNE	2,148	55	--	0	.002
JULY	1,086	22	--	0	.001
AUG	944	46	--	0	.004
SEPT	1,313	29	--	0	.002
<b>SUMMARY</b>	<b>112,505</b>	<b>10,190</b>	<b>31</b>	<b>7</b>	<b>.007</b>

# SAN JACINTO RIVER BASIN

## EAST FORK SAN JACINTO RIVER NEAR CLEVELAND—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1981</b>					
OCT	1,638	9	--	0	.000
NOV	1,842	11	--	0	.000
DEC	2,041	72	--	0	.003
JAN	2,471	140	--	0	.004
FEB	2,588	177	--	0	.005
MAR	2,820	191	--	0	.005
APR	2,346	268	--	0	.008
MAY	7,662	781	--	1	.007
JUNE	16,562	1,870	--	1	.008
JULY	6,708	938	--	1	.010
AUG	1,808	301	--	0	.012
SEPT	5,345	887	--	1	.012
<b>SUMMARY</b>	<b>53,831</b>	<b>5,650</b>	<b>17</b>	<b>4</b>	<b>.008</b>
<b>WATER YEAR 1982</b>					
OCT	5,345	531	--	0	.007
NOV	10,633	713	--	0	.005
DEC	3,723	391	--	0	.008
JAN	4,324	344	--	0	.006
FEB	6,162	330	--	0	.004
MAR	8,177	656	--	0	.006
APR	41,806	3,490	--	2	.006
MAY	47,219	5,410	--	4	.008
JUNE	4,230	549	--	0	.010
JULY	3,794	138	--	0	.003
AUG	1,015	20	--	0	.001
SEPT	846	10	--	0	.001
<b>SUMMARY</b>	<b>137,274</b>	<b>12,580</b>	<b>39</b>	<b>8</b>	<b>.007</b>

## BRAZOS RIVER BASIN

### 8084800 CALIFORNIA CREEK NEAR STAMFORD

**Net Drainage Area:** 478 square miles.

**Location:** Farm Road 142 bridge, 9 miles east of Stamford. Flow records are from stream-gaging station at same location.

**Records Available:** July 1964 through September 1979.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1978	52,022	299,700	627	197	0.123
MIN 1976	2,170	577	1	0	.020
AVG 15 yrs	21,301	44,289	93	29	.153

#### WATER YEAR 1976

OCT	51	0	----	0	.0000
NOV	383	72	----	0	.0138
DEC	174	0	----	0	.0000
JAN	138	0	----	0	.0000
FEB	102	0	----	0	.0000
MAR	125	0	----	0	.0000
APR	337	57	----	0	.0124
MAY	109	0	----	0	.0000
JUNE	9	0	----	0	.0000
JULY	528	204	----	0	.0284
AUG	108	195	----	0	.1326
SEPT	107	49	----	0	.0336
SUMMARY	2170	577	1	0	.0195



**BRAZOS RIVER BASIN**  
**CALIFORNIA CREEK NEAR STAMFORD—Continued**

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
WATER YEAR 1977					
OCT	5,520	5,570	--	4	.074
NOV	984	118	--	0	.009
DEC	322	0	--	0	.000
JAN	351	3	--	0	.001
FEB	244	0	--	0	.000
MAR	224	2	--	0	.001
APR	392	88	--	0	.016
MAY	1,890	2,410	--	2	.094
JUNE	227	7	--	0	.002
JULY	266	396	--	0	.109
AUG	24	0	--	0	.000
SEPT	4	0	--	0	.000
SUMMARY	10,450	8,590	18	6	.060

WATER YEAR 1978

OCT	0	0	--	0	.000
NOV	13	0	--	0	.000
DEC	61	0	--	0	.000
JAN	67	0	--	0	.000
FEB	75	0	--	0	.000
MAR	61	0	--	0	.000
APR	31	1	--	0	.002
MAY	2,048	11,160	--	7	.400
JUNE	366	290	--	0	.058
JULY	15	2	--	0	.010
AUG	47,135	285,700	--	187	.445
SEPT	2,150	2,520	--	2	.086
SUMMARY	52,022	299,700	627	197	.423

**BRAZOS RIVER BASIN**  
**CALIFORNIA CREEK NEAR STAMFORD—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1979</b>					
OCT	236	3	--	0	.001
NOV	255	11	--	0	.003
DEC	132	0	--	0	.000
JAN	289	56	--	0	.014
FEB	202	8	--	0	.003
MAR	1,229	3,100	--	2	.185
APR	275	8	--	0	.002
MAY	6,981	32,350	--	21	.340
JUNE	1,916	3,490	--	2	.134
JULY	858	365	--	0	.031
AUG	466	670	--	0	.106
SEPT	17	0	--	0	.000
<b>SUMMARY</b>	<b>12,856</b>	<b>40,060</b>	<b>84</b>	<b>26</b>	<b>.229</b>

## BRAZOS RIVER BASIN

### 8087300 CLEAR FORK BRAZOS RIVER AT ELIASVILLE

**Net Drainage Area:** 5,697 square miles.

**Location:** Farm Road 1974 bridge, 400 ft northwest of Eliasville. Flow records are from stream-gaging station at same location.

**Records Available:** May 1966 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1978	485,097	4,304,000	755	2,823	0.652
MIN 1967	31,400	13,800	2	9	.032
AVG 16 yrs	241,692	500,222	88	328	.152

#### WATER YEAR 1976

OCT	1220	34	----	0	.0020
NOV	4500	146	----	0	.0024
DEC	2900	57	----	0	.0014
JAN	3380	42	----	0	.0009
FEB	1980	30	----	0	.0011
MAR	1960	37	----	0	.0014
APR	3670	120	----	0	.0024
MAY	3250	110	----	0	.0025
JUNE	673	9	----	0	.0010
JULY	5350	384	----	0	.0053
AUG	3730	319	----	0	.0063
SEPT	20470	37410	----	25	.1343
SUMMARY	53080	38700	7	25	.0536

## BRAZOS RIVER BASIN

### CLEAR FORK BRAZOS RIVER AT ELIASVILLE—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
<b>WATER YEAR 1977</b>					
OCT	34,500	47,850	--	31	.102
NOV	15,590	13,650	--	9	.064
DEC	3,410	50	--	0	.001
JAN	4,450	105	--	0	.002
FEB	3,710	68	--	0	.001
MAR	19,610	43,910	--	29	.164
APR	18,110	2,920	--	2	.012
MAY	14,940	2,081	--	791	.000
JUNE	9,100	8,860	--	6	.072
JULY	874	15	--	0	.001
AUG	330	3	--	0	.001
SEPT	1,450	43	--	0	.002
<b>SUMMARY</b>	<b>126,100</b>	<b>120,000</b>	<b>21</b>	<b>78</b>	<b>.070</b>
<b>WATER YEAR 1978</b>					
OCT	31	0	--	0	.000
NOV	821	7	--	0	.001
DEC	1,221	28	--	0	.002
JAN	1,122	27	--	0	.002
FEB	1,695	31	--	0	.001
MAR	995	21	--	0	.002
APR	4,452	47,160	--	31	.778
MAY	2,092	482	--	0	.017
JUNE	4,488	618	--	0	.010
JULY	0	0	--	0	.000
AUG	459,283	4,255,000	--	2,790	.681
SEPT	8,897	990	--	1	.008
<b>SUMMARY</b>	<b>485,097</b>	<b>4,304,000</b>	<b>755</b>	<b>2,823</b>	<b>.652</b>

# BRAZOS RIVER BASIN

## CLEAR FORK BRAZOS RIVER AT ELIASVILLE—Continued

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT	
	ACRE-FEET		TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
<b>WATER YEAR 1979</b>						
OCT	5,067		184	--	0	.003
NOV	3,488		112	--	0	.002
DEC	2,814		73	--	0	.002
JAN	3,863		109	--	0	.002
FEB	2,368		56	--	0	.002
MAR	8,826		1,810	--	1	.015
APR	5,014		318	--	0	.005
MAY	61,899		92,530	--	61	.110
JUNE	32,045		29,530	--	19	.068
JULY	4,837		270	--	0	.004
AUG	2,806		349	--	0	.009
SEPT	261		4	--	0	.001
<b>SUMMARY</b>	<b>133,288</b>		<b>125,300</b>	<b>22</b>	<b>82</b>	<b>.069</b>
<b>WATER YEAR 1980</b>						
OCT	35		0	--	0	.000
NOV	376		2	--	0	.000
DEC	1,461		23	--	0	.001
JAN	1,931		34	--	0	.001
FEB	1,596		26	--	0	.001
MAR	1,144		15	--	0	.001
APR	777		9	--	0	.001
MAY	18,997		28,420	--	19	.110
JUNE	3,840		367	--	0	.007
JULY	273		3	--	0	.001
AUG	0		0	--	0	.000
SEPT	53,570		85,640	--	56	.117
<b>SUMMARY</b>	<b>84,000</b>		<b>114,500</b>	<b>20</b>	<b>75</b>	<b>.100</b>

**BRAZOS RIVER BASIN**  
**CLEAR FORK BRAZOS RIVER AT ELIASVILLE—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1981</b>					
OCT	167,032	328,000	--	215	.144
NOV	7,939	180	--	0	.002
DEC	27,177	13,960	--	9	.038
JAN	7,239	250	--	0	.003
FEB	4,790	104	--	0	.002
MAR	10,960	2,040	--	1	.014
APR	42,730	90,850	--	60	.156
MAY	15,822	2,500	--	2	.012
JUNE	68,034	118,300	--	78	.128
JULY	7,624	2,020	--	1	.019
AUG	7,307	3,750	--	2	.038
SEPT	5,815	2,860	--	2	.036
<b>SUMMARY</b>	<b>372,469</b>	<b>564,800</b>	<b>99</b>	<b>370</b>	<b>.111</b>
<b>WATER YEAR 1982</b>					
OCT	345,847	514,700	--	338	.109
NOV	5,387	124	--	0	.002
DEC	3,671	74	--	0	.001
JAN	3,008	63	--	0	.002
FEB	3,617	90	--	0	.002
MAR	3,451	129	--	0	.003
APR	1,753	37	--	0	.002
MAY	207,029	243,600	--	160	.086
JUNE	272,161	154,700	--	101	.042
JULY	61,998	8,940	--	6	.011
AUG	5,797	160	--	0	.002
SEPT	2,895	93	--	0	.002
<b>SUMMARY</b>	<b>916,614</b>	<b>922,700</b>	<b>162</b>	<b>605</b>	<b>.074</b>

## BRAZOS RIVER BASIN

### 8088000 BRAZOS RIVER NEAR SOUTH BEND

**Net Drainage Area:** 13,107 square miles.

**Location:** State Highway 67 bridge, 2 miles northeast of South Bend. Flow records are from stream-gaging station at same location.

**Records Available:** January 15, 1942 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	2,461,000	15,257,759	1,164	10,006	0.455
MIN 1964	149,017	593,130	45	389	.292
AVG 39 yrs	552,117	3,841,435	293	2,520	.511

#### WATER YEAR 1976

OCT	7840	731	----	0	.0068
NOV	12320	13750	----	9	.0820
DEC	6720	127	----	0	.0014
JAN	6140	86	----	0	.0010
FEB	3610	49	----	0	.0010
MAR	4470	73	----	0	.0012
APR	14970	164900	----	108	.8092
MAY	14900	64600	----	42	.3185
JUNE	2460	2590	----	2	.0773
JULY	12030	101500	----	67	.6198
AUG	12580	88100	----	58	.5145
SEPT	49780	367100	----	241	.5417
SUMMARY	147800	803600	61	527	.3994

# BRAZOS RIVER BASIN

## BRAZOS RIVER NEAR SOUTH BEND—Continued

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT	
	ACRE-FEET		TONS	TONS PER SQ MI		
WATER YEAR 1977						
OCT	85,360		301,700	--	198	.260
NOV	37,040		52,140	--	34	.103
DEC	8,740		223	--	0	.002
JAN	9,140		229	--	0	.002
FEB	7,110		197	--	0	.002
MAR	26,050		64,430	--	42	.182
APR	41,690		87,030	--	57	.153
MAY	48,330		389,000	--	255	.591
JUNE	29,430		97,450	--	64	.243
JULY	5,840		21,470	--	14	.270
AUG	2,150		2,060	--	1	.070
SEPT	6,660		91,740	--	60	1.012
SUMMARY	307,500		1,108,000	85	727	.265
WATER YEAR 1978						
OCT	414		10	--	0	.002
NOV	565		26	--	0	.003
DEC	1,081		42	--	0	.003
JAN	1,319		39	--	0	.002
FEB	2,882		126	--	0	.003
MAR	4,443		15,920	--	10	.263
APR	5,783		14,680	--	10	.186
MAY	13,273		296,100	--	194	1.639
JUNE	18,297		182,900	--	120	.734
JULY	178		21	--	0	.009
AUG	575,730		4,927,000	--	3,230	.629
SEPT	27,959		206,800	--	136	.543
SUMMARY	651,924		5,644,000	431	3,702	.636



## BRAZOS RIVER BASIN

### BRAZOS RIVER NEAR SOUTH BEND—Continued

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT	
	ACRE-FEET		TONS	TONS PER SQ MI		
WATER YEAR 1979						
OCT	14,090		35,630	--	23	.186
NOV	8,657		809	--	1	.007
DEC	6,531		197	--	0	.002
JAN	8,231		1,040	--	1	.009
FEB	5,831		135	--	0	.002
MAR	18,732		30,370	--	20	.119
APR	10,336		1,480	--	1	.011
MAY	65,235		184,000	--	121	.207
JUNE	70,221		574,300	--	377	.601
JULY	24,740		226,800	--	149	.673
AUG	22,455		177,800	--	117	.582
SEPT	2,122		3,590	--	2	.124
SUMMARY	257,181		1,236,000	94	811	.353
WATER YEAR 1980						
OCT	450		7	--	0	.001
NOV	2,509		17,770	--	12	.520
DEC	2,763		216	--	0	.006
JAN	3,717		120	--	0	.002
FEB	3,798		95	--	0	.002
MAR	2,046		57	--	0	.002
APR	1,259		110	--	0	.006
MAY	129,211		692,400	--	454	.394
JUNE	28,600		112,600	--	74	.289
JULY	2,308		270	--	0	.009
AUG	583		35	--	0	.004
SEPT	101,313		307,700	--	202	.223
SUMMARY	278,557		1,131,000	86	742	.298

# BRAZOS RIVER BASIN

## BRAZOS RIVER NEAR SOUTH BEND—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1981					
OCT	252,568	490,600	--	322	.143
NOV	17,726	824	--	1	.003
DEC	37,744	21,030	--	14	.041
JAN	14,612	298	--	0	.001
FEB	8,848	170	--	0	.001
MAR	26,132	13,210	--	9	.037
APR	52,201	121,600	--	80	.171
MAY	28,719	33,300	--	22	.085
JUNE	109,635	636,300	--	417	.426
JULY	11,438	1,250	--	1	.008
AUG	13,694	103,200	--	68	.554
SEPT	9,235	3,660	--	2	.029
SUMMARY	582,552	1,425,000	109	935	.180
WATER YEAR 1982					
OCT	467,334	520,000	--	341	.082
NOV	16,542	1,580	--	1	.007
DEC	9,590	227	--	0	.002
JAN	6,819	135	--	0	.001
FEB	6,612	155	--	0	.002
MAR	7,763	601	--	0	.006
APR	4,835	839	--	1	.013
MAY	422,550	1,423,000	--	933	.247
JUNE	514,837	1,346,000	--	883	.192
JULY	102,757	92,520	--	61	.066
AUG	15,074	1,700	--	1	.008
SEPT	10,022	2,740	--	2	.020
SUMMARY	1,584,735	3,389,000	259	2,223	.157

## BRAZOS RIVER BASIN

### 8088500 POSSUM KINGDOM RESERVOIR NEAR GRAFORD

**Net Drainage Area:** 14,030 square miles.

**Location:** Samples taken in tailrace and over spillway. Outflow records were obtained from computed releases as determined by Brazos River Authority. Outflow records for period October 1953 through September 1959 are streamflow as gaged at Brazos River near Palo Pinto station below Possum Kingdom Reservoir. Inflow estimates were computed by adjusting Brazos River near South Bend streamflow between that gage and Morris Sheppard Dam.

**Records Available:** January 15, 1942 through September, 1978 except for October 1960.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1943	851,300	624,700	—	410	0.054
MIN 1976	68,280	439	—	0	.001
AVG 35 yrs <sup>1</sup>	563,424	351,772	—	231	.046
<sup>1</sup> Record for 1960 incomplete and not included.					
<b>WATER YEAR 1976</b>					
OCT	3705	20	----	0	.0004
NOV	2677	11	----	0	.0003
DEC	2262	22	----	0	.0007
JAN	8280	88	----	0	.0008
FEB	3464	35	----	0	.0007
MAR	620	0	----	0	.0000
APR	600	0	----	0	.0000
MAY	3242	42	----	0	.0010
JUNE	8420	48	----	0	.0004
JULY	5133	14	----	0	.0002
AUG	10881	39	----	0	.0003
SEPT	19000	120	----	0	.0005
SUMMARY	68280	439	0	0	.0005

## BRAZOS RIVER BASIN

### POSSUM KINGDOM RESERVOIR NEAR GRAFORD—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1977</b>					
CCT	31,924	288	--	0	.001
NOV	36,779	434	--	0	.001
DEC	5,212	9	--	0	.000
JAN	16,407	61	--	0	.000
FEB	3,593	6	--	0	.000
MAR	0	2	--	0	.000
APR	26,934	121	--	0	.000
MAY	38,184	186	--	0	.000
JUNE	5,111	13	--	0	.000
JULY	8,573	22	--	0	.000
AUG	3,614	17	--	0	.000
SEPT	6,447	16	--	0	.000
<b>SUMMARY</b>	<b>182,800</b>	<b>1,180</b>	<b>0</b>	<b>1</b>	<b>.000</b>
<b>WATER YEAR 1978</b>					
OCT	8,632	166	--	0	.001
NOV	5,424	18	--	0	.000
DEC	6,938	25	--	0	.000
JAN	7,235	21	--	0	.000
FEB	4,270	31	--	0	.001
MAR	2,253	7	--	0	.000
APR	1,190	0	--	0	.000
MAY	6,611	42	--	0	.000
JUNE	4,012	35	--	0	.001
JULY	4,093	23	--	0	.000
AUG	525,681	4,440	--	3	.001
SEPT	33,068	369	--	0	.001
<b>SUMMARY</b>	<b>609,407</b>	<b>5,180</b>	<b>0</b>	<b>3</b>	<b>.001</b>

## BRAZOS RIVER BASIN

### 8093500 AQUILLA CREEK NEAR AQUILLA

**Net Drainage Area:** 308 square miles.

**Location:** Farm Road 1304 bridge, 1 mile southeast of Aquilla. Flow records are from stream-gaging station at same location.

**Records Available:** June 1963 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	240,400	863,300	2,803	566	0.264
MIN 1982	37,033	16,370	53	11	.325
AVG 19 yrs	92,504	252,628	820	166	.201

#### WATER YEAR 1976

OCT	85	0	----	0	.0000
NOV	40	0	----	0	.0000
DEC	145	5	----	0	.0025
JAN	132	5	----	0	.0028
FEB	160	9	----	0	.0041
MAR	855	1030	----	1	.0885
APR	20960	54200	----	36	.1900
MAY	20300	54770	----	36	.1982
JUNE	14760	36940	----	24	.1839
JULY	47580	56540	----	37	.0873
AUG	213	32	----	0	.0110
SEPT	1070	1580	----	1	.1085
SUMMARY	106300	205100	666	135	.1417

## BRAZOS RIVER BASIN

### AQUILLA CREEK NEAR AQUILLA—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
WATER YEAR 1977					
OCT	2,750	634	--	0	.017
NOV	457	14	--	0	.002
DEC	7,280	5,460	--	4	.055
JAN	3,460	836	--	1	.018
FEB	20,020	48,990	--	32	.180
MAR	33,210	110,700	--	73	.245
APR	66,420	139,300	--	91	.154
MAY	3,450	1,010	--	1	.022
JUNE	919	195	--	0	.016
JULY	288	75	--	0	.019
AUG	58	7	--	0	.009
SEPT	284	77	--	0	.020
SUMMARY	138,600	307,300	998	202	.163

#### WATER YEAR 1978

OCT	15	0	--	0	.000
NOV	85	6	--	0	.005
DEC	73	0	--	0	.000
JAN	61	0	--	0	.000
FEB	1,303	2,960	--	2	.167
MAR	940	835	--	1	.065
APR	1,136	2,270	--	1	.147
MAY	4,599	22,860	--	15	.365
JUNE	31	0	--	0	.000
JULY	5	0	--	0	.000
AUG	0	0	--	0	.000
SEPT	0	0	--	0	.000
SUMMARY	8,248	28,930	94	19	.258

**BRAZOS RIVER BASIN**  
**AQUILLA CREEK NEAR AQUILLA—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1979</b>					
OCT	0	0	--	0	.000
NOV	0	0	--	0	.000
DEC	105	26	--	0	.018
JAN	394	94	--	0	.018
FEB	1,453	798	--	1	.040
MAR	17,546	22,770	--	15	.095
APR	8,594	8,370	--	5	.072
MAY	40,919	148,300	--	97	.266
JUNE	17,887	54,680	--	36	.225
JULY	1,495	593	--	0	.029
AUG	737	257	--	0	.026
SEPT	1	0	--	0	.000
<b>SUMMARY</b>	<b>89,131</b>	<b>235,900</b>	<b>766</b>	<b>155</b>	<b>.194</b>

**WATER YEAR 1980**

OCT	113	5	--	0	.003
NOV	47	0	--	0	.000
DEC	632	310	--	0	.036
JAN	5,315	1,650	--	1	.023
FEB	2,465	160	--	0	.005
MAR	1,319	482	--	0	.027
APR	17,968	29,740	--	20	.122
MAY	30,311	65,820	--	43	.160
JUNE	119	10	--	0	.006
JULY	0	0	--	0	.000
AUG	0	0	--	0	.000
SEPT	206	12	--	0	.004
<b>SUMMARY</b>	<b>58,495</b>	<b>98,190</b>	<b>319</b>	<b>64</b>	<b>.123</b>

**BRAZOS RIVER BASIN**  
**AQUILLA CREEK NEAR AQUILLA—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1981					
OCT	111	5	--	0	.003
NOV	124	0	--	0	.000
DEC	1,029	151	--	0	.011
JAN	230	9	--	0	.003
FEB	180	7	--	0	.003
MAR	2,404	4,790	--	3	.146
APR	678	376	--	0	.041
MAY	3,104	1,830	--	1	.043
JUNE	86,778	119,800	--	79	.101
JULY	1,533	1,700	--	1	.081
AUG	0	0	--	0	.000
SEPT	295	69	--	0	.017
SUMMARY	96,466	128,700	418	84	.098

WATER YEAR 1982

OCT	1,188	165	--	0	.010
NOV	277	20	--	0	.005
DEC	236	3	--	0	.001
JAN	184	4	--	0	.002
FEB	1,265	1,360	--	1	.079
MAR	1,999	1,010	--	1	.037
APR	549	132	--	0	.018
MAY	18,525	8,610	--	6	.034
JUNE	11,897	4,980	--	3	.031
JULY	906	85	--	0	.007
AUG	7	0	--	0	.000
SEPT	0	0	--	0	.000
SUMMARY	37,033	16,370	53	11	.032



**BRAZOS RIVER BASIN**  
**8094800 NORTH BOSQUE RIVER AT HICO**

**Net Drainage Area:** 359 square miles.

**Location:** U.S. Highway 281 bridge near south boundary of Hico. Flow records are from stream-gaging station at same location.

**Records Available:** April 1962 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	90,680	120,800	336	79	0.098
MIN 1978	4,541	470	1	0	.008
AVG 20 yrs	29,630	33,298	93	22	.083
<b>WATER YEAR 1976</b>					
OCT	69	0	----	0	.0000
NOV	99	0	----	0	.0000
DEC	192	1	----	0	.0004
JAN	102	0	----	0	.0000
FEB	91	0	----	0	.0000
MAR	98	0	----	0	.0000
APR	1960	794	----	1	.0298
MAY	3630	3720	----	2	.0753
JUNE	3050	880	----	1	.0212
JULY	1030	124	----	0	.0088
AUG	455	322	----	0	.0520
SEPT	511	81	----	0	.0116
SUMMARY	11290	5920	16	4	.0385

**BRAZOS RIVER BASIN**  
**NORTH BOSQUE RIVER AT HICO—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1977					
OCT	1,960	206	--	0	.008
NOV	406	10	--	0	.002
DEC	772	41	--	0	.004
JAN	411	0	--	0	.000
FEB	725	4	--	0	.000
MAR	16,070	46,740	--	31	.214
APR	26,000	27,610	--	18	.078
MAY	26,350	12,150	--	8	.034
JUNE	1,740	44	--	0	.002
JULY	377	6	--	0	.001
AUG	285	0	--	0	.000
SEPT	149	17	--	0	.008
SUMMARY	75,250	86,830	242	57	.085

WATER YEAR 1978

OCT	83	4	--	0	.004
NOV	247	36	--	0	.011
DEC	277	0	--	0	.000
JAN	232	0	--	0	.000
FEB	247	1	--	0	.000
MAR	216	0	--	0	.000
APR	168	0	--	0	.000
MAY	2,243	394	--	0	.013
JUNE	666	25	--	0	.003
JULY	0	0	--	0	.000
AUG	0	0	--	0	.000
SEPT	162	10	--	0	.005
SUMMARY	4,541	470	1	0	.008

**BRAZOS RIVER BASIN**  
**NORTH BOSQUE RIVER AT HICO—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	LOAD OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1979</b>					
OCT	0	0	--	0	.000
NOV	13	0	--	0	.000
DEC	27	0	--	0	.000
JAN	991	314	--	0	.023
FEB	241	2	--	0	.001
MAR	1,134	416	--	0	.027
APR	1,491	76	--	0	.004
MAY	23,470	54,670	--	36	.171
JUNE	920	39	--	0	.003
JULY	295	3	--	0	.001
AUG	478	18	--	0	.003
SEPT	73	0	--	0	.000
<b>SUMMARY</b>	<b>29,133</b>	<b>55,540</b>	<b>155</b>	<b>36</b>	<b>.140</b>
<b>WATER YEAR 1980</b>					
OCT	65	0	--	0	.000
NOV	105	0	--	0	.000
DEC	299	12	--	0	.003
JAN	426	18	--	0	.003
FEB	271	0	--	0	.000
MAR	281	2	--	0	.001
APR	454	10	--	0	.002
MAY	3,949	2,070	--	1	.039
JUNE	111	0	--	0	.000
JULY	0	0	--	0	.000
AUG	0	0	--	0	.000
SEPT	31	1	--	0	.002
<b>SUMMARY</b>	<b>5,992</b>	<b>2,110</b>	<b>6</b>	<b>1</b>	<b>.026</b>

**BRAZOS RIVER BASIN**  
**NORTH BOSQUE RIVER AT HICO—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		LOAD OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
<b>WATER YEAR 1981</b>					
OCT	23	1	--	0	.003
NOV	0	0	--	0	.000
DEC	103	1	--	0	.001
JAN	122	0	--	0	.000
FEB	111	0	--	0	.000
MAR	105	1	--	0	.001
APR	65	1	--	0	.001
MAY	69	6	--	0	.006
JUNE	1,477	652	--	0	.032
JULY	398	35	--	0	.006
AUG	0	0	--	0	.000
SEPT	0	0	--	0	.000
<b>SUMMARY</b>	<b>2,473</b>	<b>697</b>	<b>2</b>	<b>0</b>	<b>.021</b>
<b>WATER YEAR 1982</b>					
OCT	1,517	388	--	0	.019
NOV	658	98	--	0	.011
DEC	79	0	--	0	.000
JAN	162	0	--	0	.000
FEB	253	4	--	0	.001
MAR	241	4	--	0	.001
APR	138	0	--	0	.000
MAY	7,586	3,750	--	2	.036
JUNE	8,037	3,660	--	2	.033
JULY	1,380	96	--	0	.005
AUG	158	0	--	0	.000
SEPT	53	0	--	0	.000
<b>SUMMARY</b>	<b>20,262</b>	<b>8,000</b>	<b>22</b>	<b>5</b>	<b>.029</b>

**BRAZOS RIVER BASIN**  
**8100500 LEON RIVER AT GATESVILLE**

**Net Drainage Area:** 2,342 square miles.

**Location:** U.S. Highway 84 bridge, 1 mile west of Gatesville. Flow records are from stream-gaging station at same location.

**Records Available:** March 1953 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	574,700	1,029,708	440	609	0.132
MIN 1978	4,498	504	0	0	.008
AVG 28 yrs	175,673	234,756	100	153	.098

**WATER YEAR 1976**

OCT	529	21	----	0	.0029
NOV	386	2	----	0	.0004
DEC	735	44	----	0	.0044
JAN	647	29	----	0	.0033
FEB	712	42	----	0	.0043
MAR	541	35	----	0	.0048
APR	1580	714	----	0	.0332
MAY	1990	170	----	0	.0063
JUNE	5510	8050	----	5	.1073
JULY	18570	14520	----	10	.0574
AUG	770	222	----	0	.0212
SEPT	2560	572	----	0	.0164
SUMMARY	34530	24420	10	16	.0520

**BRAZOS RIVER BASIN**  
**LEON RIVER AT GATESVILLE—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1977					
OCT	1,160	69	--	0	.004
NOV	1,020	12	--	0	.001
DEC	2,580	66	--	0	.002
JAN	2,850	31	--	0	.001
FEB	4,390	317	--	0	.005
MAR	24,500	60,850	--	40	.182
APR	89,330	83,850	--	55	.069
MAY	69,020	65,900	--	43	.070
JUNE	23,750	14,070	--	9	.044
JULY	7,560	1,140	--	1	.011
AUG	1,430	98	--	0	.005
SEPT	359	19	--	0	.004
SUMMARY	227,900	226,400	97	148	.073
WATER YEAR 1978					
OCT	148	2	--	0	.001
NOV	249	1	--	0	.000
DEC	384	12	--	0	.002
JAN	900	14	--	0	.001
FEB	882	58	--	0	.005
MAR	674	36	--	0	.004
APR	468	26	--	0	.004
MAY	624	28	--	0	.003
JUNE	134	327	--	0	.179
JULY	1	0	--	0	.000
AUG	1	0	--	0	.000
SEPT	33	0	--	0	.000
SUMMARY	4,498	504	0	0	.008

**BRAZOS RIVER BASIN**  
**LEON RIVER AT GATESVILLE—Continued**

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT	
	ACRE-FEET		TONS	TONS PER SQ MI		
<b>WATER YEAR 1979</b>						
OCT	29		0	--	0	.000
NOV	73		2	--	0	.002
DEC	43		0	--	0	.000
JAN	1,136		164	--	0	.011
FEB	1,110		24	--	0	.002
MAR	22,350		70,220	--	46	.231
APR	12,799		13,260	--	9	.076
MAY	32,465		53,330	--	35	.121
JUNE	27,029		42,270	--	28	.115
JULY	4,456		918	--	1	.015
AUG	2,776		292	--	0	.008
SEPT	355		15	--	0	.003
<b>SUMMARY</b>	<b>104,621</b>		<b>180,500</b>	<b>77</b>	<b>118</b>	<b>.127</b>
<b>WATER YEAR 1980</b>						
OCT	406		28	--	0	.005
NOV	255		3	--	0	.001
DEC	896		39	--	0	.003
JAN	1,279		47	--	0	.003
FEB	1,154		56	--	0	.004
MAR	807		42	--	0	.004
APR	860		59	--	0	.005
MAY	41,064		85,160	--	56	.152
JUNE	2,614		596	--	0	.017
JULY	107		6	--	0	.004
AUG	53		0	--	0	.000
SEPT	71		1	--	0	.001
<b>SUMMARY</b>	<b>49,566</b>		<b>86,040</b>	<b>37</b>	<b>56</b>	<b>.128</b>

**BRAZOS RIVER BASIN**  
**LEON RIVER AT GATESVILLE—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT TONS	LOAD OF STREAM TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1981					
OCT	79	0	--	0	.000
NOV	115	0	--	0	.000
DEC	295	25	--	0	.006
JAN	275	16	--	0	.004
FEB	309	11	--	0	.003
MAR	2,473	1,410	--	1	.042
APR	2,219	396	--	0	.013
MAY	1,346	127	--	0	.007
JUNE	49,535	40,520	--	27	.060
JULY	2,398	445	--	0	.014
AUG	491	22	--	0	.003
SEPT	1,755	135	--	0	.006
SUMMARY	61,290	43,110	18	28	.052
WATER YEAR 1982					
OCT	904	10	--	0	.001
NOV	3,576	175	--	0	.004
DEC	591	16	--	0	.002
JAN	706	19	--	0	.002
FEB	890	58	--	0	.005
MAR	7,991	10,130	--	7	.093
APR	2,715	203	--	0	.005
MAY	30,944	35,370	--	23	.084
JUNE	22,849	25,340	--	17	.081
JULY	30,087	15,810	--	10	.039
AUG	9,141	1,760	--	1	.014
SEPT	71	0	--	0	.000
SUMMARY	110,465	88,890	38	58	.059



## BRAZOS RIVER BASIN

### 8109900 SOMERVILLE LAKE NEAR SOMERVILLE

**Net Drainage Area:** 1,007 square miles.

**Location:** State Highway 36 bridge about 1 mile downstream from Somerville Reservoir. Outflow records are from stream-gaging station Yegua Creek near Somerville at the same location.

**Records Available:** June 1962 through September 1979. Record represents reservoir outflow beginning February 3, 1966.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1969	396,500	25,760	—	26	0.005
MIN 1971	493	68	—	0	.010
AVG 13 yrs	230,956	6,819	—	4	.002
<b>WATER YEAR 1976</b>					
OCT	100	0	----	0	.0000
NOV	91	0	----	0	.0000
DEC	157	0	----	0	.0000
JAN	83	0	----	0	.0000
FEB	114	0	----	0	.0000
MAR	7600	197	----	0	.0019
APR	28590	597	----	0	.0015
MAY	58070	1190	----	1	.0015
JUNE	67540	1360	----	1	.0015
JULY	32420	591	----	0	.0013
AUG	71	0	----	0	.0000
SEPT	14	0	----	0	.0000
SUMMARY	194900	3940		4	.0015

## BRAZOS RIVER BASIN

### SOMERVILLE LAKE NEAR SOMERVILLE—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
WATER YEAR 1977					
OCT	76	0	--	0	.000
NOV	32,570	258	--	0	.001
DEC	62,380	601	--	0	.001
JAN	51,400	539	--	0	.001
FEB	31,050	863	--	1	.002
MAR	38,910	750	--	0	.001
APR	30,340	609	--	0	.001
MAY	92,410	1,960	--	1	.002
JUNE	22,600	453	--	0	.001
JULY	27	0	--	0	.000
AUG	35	0	--	0	.000
SEPT	25	0	--	0	.000
SUMMARY	361,800	6,030	6	4	.001
WATER YEAR 1978					
OCT	0	0	--	0	.000
NOV	9	0	--	0	.000
DEC	71	1	--	0	.001
JAN	226	1	--	0	.000
FEB	2,536	99	--	0	.003
MAR	6,458	276	--	0	.003
APR	5,097	94	--	0	.001
MAY	44,797	774	--	1	.001
JUNE	7,805	207	--	0	.002
JULY	18,412	335	--	0	.001
AUG	3,290	119	--	0	.003
SEPT	15	0	--	0	.000
SUMMARY	88,716	1,910	2	1	.002

# BRAZOS RIVER BASIN

## SOMERVILLE LAKE NEAR SOMERVILLE—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1979					
OCT	0	0	--	0	.000
NOV	73	1	--	0	.001
DEC	25	1	--	0	.003
JAN	5,559	171	--	0	.002
FEB	43,391	1,020	--	1	.002
MAR	17,690	534	--	0	.002
APR	54,032	1,710	--	1	.002
MAY	71,981	2,490	--	2	.003
JUNE	105,859	2,500	--	2	.002
JULY	56,603	1,250	--	1	.002
AUG	9,007	185	--	0	.002
SEPT	91	0	--	0	.000
SUMMARY	364,311	9,860	10	6	.002

**BRAZOS RIVER BASIN**  
**8110500 NAVASOTA RIVER NEAR EASTERLY**

**Net Drainage Area:** 968 square miles.

**Location:** U.S. Highway 79 bridge, 7 miles northeast of Easterly. Flow records are from stream-gaging station at same location.

**Records Available:** January 1942 to date, except for missing periods, February through September 1954, April through August 1958, and June through August 1959.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1944	592,700	889,340	919	584	0.110
MIN 1963	11,199	3,078	3	0	.020
AVG 37 yrs	303,098	140,551	145	92	.034

**WATER YEAR 1976**

OCT	6680	3660	----	2	.0403
NOV	1590	241	----	0	.0111
DEC	1980	397	----	0	.0147
JAN	1260	83	----	0	.0048
FEB	1630	157	----	0	.0071
MAR	12400	5860	----	4	.0347
APR	142700	17920	----	12	.0092
MAY	150200	20070	----	13	.0098
JUNE	80050	9930	----	7	.0091
JULY	26560	7230	----	5	.0200
AUG	560	40	----	0	.0052
SEPT	3580	1840	----	1	.0378
<b>SUMMARY</b>	<b>429200</b>	<b>67430</b>	<b>70</b>	<b>44</b>	<b>.0115</b>

**BRAZOS RIVER BASIN**  
**NAVASOTA RIVER NEAR EASTERLY—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1977					
CCT	87,930	10,800	--	7	.009
NOV	14,930	1,970	--	1	.010
DEC	147,600	17,950	--	12	.009
JAN	26,480	4,150	--	3	.012
FEB	116,800	19,570	--	13	.012
MAR	52,880	10,270	--	7	.014
APR	95,630	13,720	--	9	.011
MAY	14,480	4,570	--	3	.023
JUNE	7,230	3,030	--	2	.031
JULY	303	7	--	0	.002
AUG	120	1	--	0	.001
SEPT	1,430	699	--	0	.036
SUMMARY	565,800	86,740	90	57	.011
WATER YEAR 1978					
OCT	345	36	--	0	.008
NOV	591	60	--	0	.007
DEC	906	35	--	0	.003
JAN	4,387	2,450	--	2	.041
FEB	17,901	10,930	--	7	.045
MAR	28,088	8,980	--	6	.023
APR	2,868	329	--	0	.008
MAY	2,517	655	--	0	.019
JUNE	783	58	--	0	.005
JULY	138	9	--	0	.005
AUG	71	0	--	0	.000
SEPT	2,455	1,080	--	1	.032
SUMMARY	61,050	24,620	25	16	.030

## BRAZOS RIVER BASIN

### NAVASOTA RIVER NEAR EASTERLY—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1979					
OCT	257	15	--	0	.004
NOV	2,661	934	--	1	.026
DEC	1,227	95	--	0	.006
JAN	14,543	1,990	--	1	.010
FEB	14,568	10,930	--	7	.055
MAR	60,010	14,080	--	9	.017
APR	31,390	7,540	--	5	.018
MAY	118,371	11,340	--	7	.007
JUNE	68,593	7,360	--	5	.008
JULY	11,192	3,300	--	2	.022
AUG	5,077	800	--	1	.012
SEPT	8,179	3,340	--	2	.030
SUMMARY	336,068	61,720	64	40	.013
WATER YEAR 1980					
OCT	975	87	--	0	.007
NOV	1,275	140	--	0	.008
DEC	15,441	1,860	--	1	.009
JAN	29,700	5,890	--	4	.015
FEB	36,879	4,190	--	3	.008
MAR	6,991	1,370	--	1	.014
APR	27,919	2,790	--	2	.007
MAY	104,338	17,170	--	11	.012
JUNE	729	215	--	0	.022
JULY	152	18	--	0	.009
AUG	101	10	--	0	.007
SEPT	230	19	--	0	.006
SUMMARY	224,730	33,760	35	22	.011

## BRAZOS RIVER BASIN

### NAVASOTA RIVER NEAR EASTERLY—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1981</b>					
OCT	404	29	--	0	.005
NOV	495	21	--	0	.003
DEC	517	23	--	0	.003
JAN	658	35	--	0	.004
FEB	1,779	268	--	0	.011
MAR	1,537	343	--	0	.016
APR	2,078	364	--	0	.013
MAY	11,177	1,570	--	1	.010
JUNE	114,432	12,330	--	8	.008
JULY	8,344	2,150	--	1	.019
AUG	77	0	--	0	.000
SEPT	212	19	--	0	.007
<b>SUMMARY</b>	<b>141,710</b>	<b>17,150</b>	<b>18</b>	<b>11</b>	<b>.009</b>
<b>WATER YEAR 1982</b>					
OCT	58,384	8,190	--	5	.010
NOV	1,342	59	--	0	.003
DEC	1,071	37	--	0	.003
JAN	1,211	45	--	0	.003
FEB	1,328	69	--	0	.004
MAR	16,274	1,610	--	1	.007
APR	16,754	4,070	--	3	.018
MAY	38,747	7,950	--	5	.015
JUNE	654	44	--	0	.005
JULY	2,110	232	--	0	.008
AUG	894	27	--	0	.002
SEPT	124	9	--	0	.005
<b>SUMMARY</b>	<b>138,893</b>	<b>22,340</b>	<b>23</b>	<b>15</b>	<b>.012</b>

**BRAZOS RIVER BASIN**  
**8114000 BRAZOS RIVER AT RICHMOND**

**Net Drainage Area:** 35,441 square miles.

**Location:** U.S. Highway 59 bridge on northeast edge of Richmond. Flow records are from stream-gaging station at same location. Samples were obtained upriver near Rosenberg prior to April 13, 1932.

**Records Available:** June 11, 1924 through September 1979.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1941	16,120,000	97,306,510	2,746	63,824	0.443
MIN 1978	1,370,795	993,900	28	652	.053
AVG 55 yrs	5,296,820	23,074,376	651	15,135	.320

**WATER YEAR 1976**

OCT	107000	38370	----	25	.0263
NOV	94590	24010	----	16	.0186
DEC	109100	18010	----	12	.0121
JAN	103900	4470	----	3	.0032
FEB	125000	16350	----	11	.0096
MAR	151800	32530	----	21	.0157
APR	675800	2449000	----	1610	.2662
MAY	1124000	3025000	----	1980	.1977
JUNE	649400	1110000	----	728	.1256
JULY	766400	1774000	----	1160	.1700
AUG	181000	57170	----	38	.0232
SEPT	134600	35990	----	24	.0196
SUMMARY	4223000	8585000	242	5631	.1493



## BRAZOS RIVER BASIN

### BRAZOS RIVER AT RICHMOND—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	PCT BY WEIGHT
WATER YEAR 1977				
OCT	342,500	408,500	--	268 .088
NOV	358,600	337,000	--	221 .069
DEC	1,088,000	2,998,000	--	1,970 .202
JAN	455,700	711,000	--	466 .115
FEB	1,096,000	2,662,000	--	1,750 .178
MAR	489,200	322,600	--	212 .048
APR	1,909,000	7,191,000	--	4,720 .277
MAY	1,216,000	2,169,000	--	1,420 .131
JUNE	504,500	367,300	--	241 .053
JULY	123,000	28,360	--	19 .017
AUG	89,460	6,690	--	4 .005
SEPT	103,800	9,800	--	6 .007
SUMMARY	7,776,000	17,211,000	486	11,289 .163

#### WATER YEAR 1978

OCT	60,318	2,590	--	2 .003
NOV	58,531	2,320	--	2 .003
DEC	61,962	14,250	--	9 .017
JAN	165,328	128,600	--	84 .057
FEB	237,623	219,600	--	144 .068
MAR	188,372	332,700	--	218 .130
APR	53,855	4,200	--	3 .006
MAY	67,663	6,740	--	4 .007
JUNE	134,957	111,700	--	73 .061
JULY	60,415	3,450	--	2 .004
AUG	104,566	23,350	--	15 .016
SEPT	177,205	144,400	--	95 .060
SUMMARY	1,370,795	993,900	28	652 .053

# BRAZOS RIVER BASIN

## BRAZOS RIVER AT RICHMOND—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1979					
OCT	41,304	1,430	--	1	.003
NOV	147,586	205,600	--	135	.102
DEC	140,967	54,020	--	35	.028
JAN	640,472	1,062,000	--	696	.122
FEB	579,043	1,016,000	--	666	.129
MAR	777,651	2,404,000	--	1,580	.227
APR	1,109,589	2,972,000	--	1,950	.197
MAY	1,618,952	6,135,000	--	4,020	.278
JUNE	2,038,224	6,954,000	--	4,560	.251
JULY	533,799	1,752,000	--	1,150	.241
AUG	395,589	572,300	--	375	.106
SEPT	293,220	115,000	--	75	.029
SUMMARY	8,316,396	23,243,000	656	15,245	.205

## COLORADO RIVER BASIN

### 8146000 SAN SABA RIVER AT SAN SABA

**Net Drainage Area:** 3,039 square miles.

**Location:** State Highway 16 bridge, 1.2 miles north of San Saba. Flow records are from stream-gaging station at same location.

**Records Available:** April 1966 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1971	292,200	314,900	104	207	0.079
MIN 1979	91,865	15,480	5	10	.012
AVG 16 yrs	158,378	99,939	33	66	.046
<b>WATER YEAR 1976</b>					
OCT	7120	606	----	0	.0063
NOV	8600	723	----	0	.0062
DEC	8100	318	----	0	.0029
JAN	7550	328	----	0	.0032
FEB	6500	486	----	0	.0055
MAR	6400	480	----	0	.0055
APR	7890	720	----	0	.0067
MAY	8300	1320	----	1	.0117
JUNE	6700	1820	----	1	.0200
JULY	43530	40940	----	27	.0691
AUG	7630	980	----	1	.0094
SEPT	14960	9390	----	6	.0461
<b>SUMMARY</b>	<b>133300</b>	<b>58110</b>	<b>19</b>	<b>38</b>	<b>.0320</b>

**COLORADO RIVER BASIN**

**SAN SABA RIVER AT SAN SABA—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1977</b>					
OCT	18,660	10,600	--	7	.042
NOV	13,820	1,290	--	1	.007
DEC	12,080	623	--	0	.004
JAN	10,490	377	--	0	.003
FEB	9,700	622	--	0	.005
MAR	14,310	3,830	--	3	.020
APR	46,240	41,930	--	28	.067
MAY	20,840	3,410	--	2	.012
JUNE	14,400	5,010	--	3	.026
JULY	8,520	1,000	--	1	.009
AUG	6,940	922	--	1	.010
SEPT	4,430	413	--	0	.007
<b>SUMMARY</b>	<b>180,400</b>	<b>70,030</b>	<b>23</b>	<b>46</b>	<b>.029</b>
<b>WATER YEAR 1978</b>					
OCT	5,569	470	--	0	.006
NOV	7,479	447	--	0	.004
DEC	6,972	165	--	0	.002
JAN	7,402	162	--	0	.002
FEB	7,574	397	--	0	.004
MAR	7,420	487	--	0	.005
APR	5,309	535	--	0	.007
MAY	5,085	604	--	0	.009
JUNE	5,722	1,280	--	1	.016
JULY	1,255	112	--	0	.007
AUG	47,643	121,000	--	79	.187
SEPT	16,665	8,520	--	6	.038
<b>SUMMARY</b>	<b>124,095</b>	<b>134,200</b>	<b>44</b>	<b>88</b>	<b>.079</b>

**COLORADO RIVER BASIN**  
**SAN SABA RIVER AT SAN SABA—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1979					
OCT	6,480	588	--	0	.007
NOV	6,718	295	--	0	.003
DEC	6,827	571	--	0	.006
JAN	7,378	243	--	0	.002
FEB	9,566	935	--	1	.007
MAR	10,605	1,670	--	1	.012
APR	9,992	1,300	--	1	.010
MAY	11,740	5,030	--	3	.031
JUNE	7,452	1,350	--	1	.013
JULY	6,450	1,810	--	1	.021
AUG	5,662	1,410	--	1	.018
SEPT	2,995	280	--	0	.007
SUMMARY	91,865	15,480	5	10	.012
WATER YEAR 1980					
OCT	2,320	180	--	0	.006
NOV	3,629	207	--	0	.004
DEC	5,026	279	--	0	.004
JAN	5,288	311	--	0	.004
FEB	4,813	490	--	0	.007
MAR	4,399	410	--	0	.007
APR	3,298	372	--	0	.008
MAY	7,394	1,860	--	1	.018
JUNE	3,615	463	--	0	.009
JULY	886	75	--	0	.006
AUG	583	46	--	0	.006
SEPT	96,899	170,500	--	112	.129
SUMMARY	138,150	175,200	58	115	.093

## COLORADO RIVER BASIN

### SAN SABA RIVER AT SAN SABA—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1981					
OCT	11,010	1,540	--	1	.010
NOV	5,986	215	--	0	.003
DEC	7,814	870	--	1	.008
JAN	6,363	199	--	0	.002
FEB	5,339	280	--	0	.004
MAR	10,734	1,460	--	1	.010
APR	9,003	1,250	--	1	.010
MAY	11,397	7,520	--	5	.048
JUNE	10,919	2,200	--	1	.015
JULY	3,034	436	--	0	.011
AUG	6,995	3,360	--	2	.035
SEPT	4,201	669	--	0	.012
SUMMARY	92,795	20,000	7	13	.016
WATER YEAR 1982					
OCT	13,335	42,210	--	28	.233
NOV	6,008	208	--	0	.003
DEC	5,165	177	--	0	.003
JAN	4,942	200	--	0	.003
FEB	4,982	324	--	0	.005
MAR	4,869	399	--	0	.006
APR	4,411	312	--	0	.005
MAY	9,891	2,020	--	1	.015
JUNE	7,273	2,080	--	1	.021
JULY	3,965	358	--	0	.007
AUG	2,526	182	--	0	.005
SEPT	1,620	71	--	0	.003
SUMMARY	68,987	48,540	16	32	.052

**COLORADO RIVER BASIN**  
**8147000 COLORADO RIVER NEAR SAN SABA**

**Net Drainage Area:** 19,819 square miles.

**Location:** U.S. Highway 190 bridge, 9.2 miles east of San Saba. Flow records are from stream-gaging station at same location.

**Records Available:** September 11, 1930 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1935	2,564,000	14,423,520	728	9,459	0.413
MIN 1981	292,499	85,030	4	56	.021
AVG 52 yrs	825,111	2,657,807	134	1,743	.237

**WATER YEAR 1976**

OCT	11530	691	----	0	.0044
NOV	20650	1550	----	1	.0055
DEC	13970	784	----	1	.0041
JAN	13650	639	----	0	.0034
FEB	11920	664	----	0	.0041
MAR	10350	873	----	1	.0062
APR	17190	1490	----	1	.0064
MAY	26170	5050	----	3	.0142
JUNE	13190	2660	----	2	.0148
JULY	97600	84190	----	55	.0634
AUG	11970	1240	----	1	.0076
SEPT	40210	42310	----	28	.0773
<b>SUMMARY</b>	<b>288400</b>	<b>142100</b>	<b>8</b>	<b>93</b>	<b>.0362</b>

## COLORADO RIVER BASIN

### COLORADO RIVER NEAR SAN SABA—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1977					
CCT	35,580	18,570	--	12	.038
NOV	41,840	15,170	--	10	.027
DEC	25,720	1,810	--	1	.005
JAN	26,980	998	--	1	.003
FEB	21,810	1,270	--	1	.004
MAR	56,410	77,900	--	51	.101
APR	200,100	322,600	--	212	.118
MAY	113,000	81,150	--	53	.053
JUNE	39,410	21,700	--	14	.040
JULY	16,910	1,900	--	1	.008
AUG	11,020	1,310	--	1	.009
SEPT	9,370	1,080	--	1	.008
SUMMARY	598,200	545,500	31	358	.067
WATER YEAR 1978					
OCT	8,713	811	--	1	.007
NOV	12,333	671	--	0	.004
DEC	11,803	596	--	0	.004
JAN	12,369	381	--	0	.002
FEB	13,940	926	--	1	.005
MAR	10,891	425	--	0	.003
APR	7,241	759	--	0	.008
MAY	19,731	14,600	--	10	.054
JUNE	24,585	25,470	--	17	.076
JULY	1,547	143	--	0	.007
AUG	139,317	462,400	--	303	.244
SEPT	23,762	12,540	--	8	.039
SUMMARY	286,232	519,700	26	341	.133



# COLORADO RIVER BASIN

## COLORADO RIVER NEAR SAN SABA—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1979					
OCT	10,403	1,210	--	1	.009
NOV	12,357	620	--	0	.004
DEC	10,675	859	--	1	.006
JAN	13,255	433	--	0	.002
FEB	15,977	1,740	--	1	.008
MAR	35,355	36,470	--	24	.076
APR	27,080	7,680	--	5	.021
MAY	36,742	29,210	--	19	.058
JUNE	21,326	18,480	--	12	.064
JULY	14,124	1,580	--	1	.008
AUG	41,647	113,800	--	75	.201
SEPT	4,764	331	--	0	.005
SUMMARY	243,705	212,400	11	139	.064
WATER YEAR 1980					
OCT	3,851	229	--	0	.004
NOV	4,891	208	--	0	.003
DEC	8,477	541	--	0	.005
JAN	10,885	402	--	0	.003
FEB	9,425	518	--	0	.004
MAR	6,236	294	--	0	.003
APR	3,776	357	--	0	.007
MAY	72,276	124,500	--	82	.127
JUNE	29,639	38,570	--	25	.096
JULY	1,844	140	--	0	.006
AUG	801	98	--	0	.009
SEPT	310,247	864,400	--	567	.205
SUMMARY	462,348	1,030,000	52	676	.164

# COLORADO RIVER BASIN

## COLORADO RIVER NEAR SAN SABA—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1981					
OCT	58,568	29,900	--	20	.038
NOV	12,855	613	--	0	.004
DEC	29,679	4,420	--	3	.011
JAN	16,296	804	--	1	.004
FEB	11,520	709	--	0	.005
MAR	47,629	7,430	--	5	.011
APR	20,328	2,130	--	1	.008
MAY	22,498	5,800	--	4	.019
JUNE	42,127	26,830	--	18	.047
JULY	7,410	762	--	0	.008
AUG	9,078	1,480	--	1	.012
SEPT	14,511	4,150	--	3	.021
SUMMARY	292,499	85,030	4	56	.021
WATER YEAR 1982					
OCT	135,135	385,900	--	253	.210
NOV	22,681	1,920	--	1	.006
DEC	13,225	622	--	0	.003
JAN	12,694	773	--	1	.004
FEB	11,847	700	--	0	.004
MAR	37,470	74,510	--	49	.146
APR	10,474	1,000	--	1	.007
MAY	81,654	63,980	--	42	.058
JUNE	220,287	323,700	--	212	.108
JULY	73,038	26,620	--	17	.027
AUG	6,168	582	--	0	.007
SEPT	7,537	646	--	0	.006
SUMMARY	632,210	881,000	44	578	.102

**COLORADO RIVER BASIN**  
**8148000 LAKE BUCHANAN NEAR BURNET**

**Net Drainage Area:** 20,512 square miles.

**Location:** Tailrace at Buchanan Dam, 10 miles west of Burnet. Outflow records were obtained from computed releases as determined by the Lower Colorado River Authority.

**Records Available:** October 1947 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	2,485,000	124,833	—	82	0.004
MIN 1979	96,421	1,070	—	1	.001
AVG 35 yrs	541,806	17,186	—	11	.002

**WATER YEAR 1976**

OCT	9821	279	-----	0	.0021
NOV	463	1	-----	0	.0002
DEC	2852	35	-----	0	.0009
JAN	5692	283	-----	0	.0037
FEB	60	0	-----	0	.0000
MAR	71	0	-----	0	.0000
APR	3286	58	-----	0	.0013
MAY	10353	212	-----	0	.0015
JUNE	8315	183	-----	0	.0016
JULY	55784	1350	-----	1	.0018
AUG	14640	82	-----	0	.0004
SEPT	14814	202	-----	0	.0010
SUMMARY	126200	2690	0	2	.0016

# COLORADO RIVER BASIN

## LAKE BUCHANAN NEAR BURNET—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1977</b>					
CCT	10,563	99	--	0	.001
NOV	34,922	1,340	--	1	.003
DEC	2,437	21	--	0	.001
JAN	13,881	316	--	0	.002
FEB	6,042	42	--	0	.001
MAR	25,296	60	--	0	.000
APR	104,291	674	--	0	.000
MAY	90,260	782	--	1	.001
JUNE	25,087	568	--	0	.002
JULY	10,606	63	--	0	.000
AUG	10,390	61	--	0	.000
SEPT	10,628	47	--	0	.000
<b>SUMMARY</b>	<b>344,400</b>	<b>4,070</b>	<b>0</b>	<b>3</b>	<b>.001</b>
<b>WATER YEAR 1978</b>					
OCT	1,348	13	--	0	.001
NOV	5,966	177	--	0	.002
DEC	4,562	47	--	0	.001
JAN	5,002	71	--	0	.001
FEB	2,519	14	--	0	.000
MAR	2,048	11	--	0	.000
APR	983	4	--	0	.000
MAY	19,751	123	--	0	.000
JUNE	70,616	1,410	--	1	.001
JULY	95,874	1,350	--	1	.001
AUG	75,591	1,050	--	1	.001
SEPT	1,061	6	--	0	.000
<b>SUMMARY</b>	<b>285,321</b>	<b>4,280</b>	<b>0</b>	<b>3</b>	<b>.001</b>

# COLORADO RIVER BASIN

## LAKE BUCHANAN NEAR BURNET—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1979					
OCT	5,412	61	--	0	.001
NOV	3,707	31	--	0	.001
DEC	8,245	144	--	0	.001
JAN	5,678	96	--	0	.001
FEB	192	0	--	0	.000
MAR	0	0	--	0	.000
APR	6,236	140	--	0	.002
MAY	0	0	--	0	.000
JUNE	6,008	42	--	0	.001
JULY	1,580	4	--	0	.000
AUG	34,695	296	--	0	.001
SEPT	24,668	260	--	0	.001
SUMMARY	96,421	1,070	0	1	.001
WATER YEAR 1980					
OCT	5,660	23	--	0	.000
NOV	0	0	--	0	.000
DEC	1,447	3	--	0	.000
JAN	3,233	11	--	0	.000
FEB	0	0	--	0	.000
MAR	648	0	--	0	.000
APR	39,445	349	--	0	.001
MAY	48,456	317	--	0	.000
JUNE	80,847	1,010	--	1	.001
JULY	51,096	267	--	0	.000
AUG	43,500	304	--	0	.001
SEPT	55,811	577	--	0	.001
SUMMARY	330,143	2,860	0	2	.001

# COLORADO RIVER BASIN

## LAKE BUCHANAN NEAR BURNET—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1981					
OCT	5,660	40	--	0	.001
NOV	0	0	--	0	.000
DEC	1,447	4	--	0	.000
JAN	11,305	75	--	0	.000
FEB	9,560	56	--	0	.000
MAR	52,114	363	--	0	.001
APR	25,769	143	--	0	.000
MAY	16,970	136	--	0	.001
JUNE	79,726	835	--	1	.001
JULY	45,350	255	--	0	.000
AUG	29,794	132	--	0	.000
SEPT	5,821	26	--	0	.000
SUMMARY	283,516	2,070	0	1	.001
WATER YEAR 1982					
OCT	44,521	120	--	0	.000
NOV	41,141	254	--	0	.000
DEC	32,781	199	--	0	.000
JAN	6,218	37	--	0	.000
FEB	5,613	38	--	0	.000
MAR	22,949	80	--	0	.000
APR	28,247	144	--	0	.000
MAY	69,489	548	--	0	.001
JUNE	84,929	492	--	0	.000
JULY	119,900	201	--	0	.000
AUG	53,032	132	--	0	.000
SEPT	8,368	7	--	0	.000
SUMMARY	517,188	2,250	0	1	.000

**COLORADO RIVER BASIN**  
**8151500 LLANO RIVER AT LLANO**

**Net Drainage Area:** 4,192 square miles.

**Location:** State Highway 16 bridge in downtown Llano. Flow records are from stream-gaging station Llano River at Llano, 0.4 mile downstream.

**Records Available:** August 1942 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1952	285,200	5,551,820	1,324	3,641	1.430
MIN 1962	104,700	1,503	0	0	.001
AVG 38 yrs	257,641	440,300	105	289	.126

**WATER YEAR 1976**

OCT	15910	166	----	0	.0008
NOV	15040	86	----	0	.0004
DEC	14400	80	----	0	.0004
JAN	13840	99	----	0	.0005
FEB	11750	181	----	0	.0011
MAR	11880	172	----	0	.0011
APR	16400	354	----	0	.0016
MAY	13630	367	----	0	.0020
JUNE	12380	308	----	0	.0018
JULY	58880	66130	----	43	.0825
AUG	8890	211	----	0	.0017
SEPT	37270	9750	----	6	.0192
<b>SUMMARY</b>	<b>230300</b>	<b>77900</b>	<b>18</b>	<b>51</b>	<b>.0248</b>

**COLORADO RIVER BASIN**  
**LLANO RIVER AT LLANO—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1977</b>					
OCT	21,450	1,670	--	1	.006
NOV	24,550	627	--	0	.002
DEC	18,530	44	--	0	.000
JAN	18,220	35	--	0	.000
FEB	18,210	316	--	0	.001
MAR	20,500	470	--	0	.002
APR	185,400	362,400	--	238	.144
MAY	79,960	29,430	--	19	.027
JUNE	21,710	379	--	0	.001
JULY	12,110	85	--	0	.001
AUG	9,020	72	--	0	.001
SEPT	8,130	112	--	0	.001
<b>SUMMARY</b>	<b>437,800</b>	<b>395,600</b>	<b>93</b>	<b>259</b>	<b>.066</b>
<b>WATER YEAR 1978</b>					
OCT	10,129	98	--	0	.001
NOV	11,448	19	--	0	.000
DEC	10,962	99	--	0	.001
JAN	10,970	13	--	0	.000
FEB	10,427	58	--	0	.000
MAR	10,222	579	--	0	.004
APR	8,727	350	--	0	.003
MAY	9,203	477	--	0	.004
JUNE	18,502	1,250	--	1	.005
JULY	3,296	31	--	0	.001
AUG	138,718	1,316,000	--	863	.697
SEPT	22,262	387	--	0	.001
<b>SUMMARY</b>	<b>264,866</b>	<b>1,319,000</b>	<b>315</b>	<b>865</b>	<b>.366</b>



**COLORADO RIVER BASIN**  
**LLANO RIVER AT LLANO—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT TONS	LOAD OF STREAM TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1979</b>					
OCT	10,304	94	--	0	.001
NOV	11,750	36	--	0	.000
DEC	10,437	45	--	0	.000
JAN	11,089	61	--	0	.000
FEB	17,934	662	--	0	.003
MAR	16,714	157	--	0	.001
APR	24,694	4,060	--	3	.012
MAY	22,903	1,080	--	1	.003
JUNE	60,284	112,100	--	74	.137
JULY	9,318	91	--	0	.001
AUG	18,591	1,190	--	1	.005
SEPT	6,553	102	--	0	.001
<b>SUMMARY</b>	<b>220,571</b>	<b>119,700</b>	<b>29</b>	<b>79</b>	<b>.040</b>
<b>WATER YEAR 1980</b>					
OCT	5,770	78	--	0	.001
NOV	6,347	19	--	0	.000
DEC	8,622	23	--	0	.000
JAN	9,572	29	--	0	.000
FEB	7,935	91	--	0	.001
MAR	6,898	69	--	0	.001
APR	4,819	67	--	0	.001
MAY	25,747	2,870	--	2	.008
JUNE	8,120	310	--	0	.003
JULY	827	30	--	0	.003
AUG	1,342	50	--	0	.003
SEPT	212,789	280,100	--	184	.097
<b>SUMMARY</b>	<b>298,788</b>	<b>283,700</b>	<b>68</b>	<b>186</b>	<b>.070</b>

**COLORADO RIVER BASIN**  
**LLANO RIVER AT LLANO—Continued**

1934-032 STREAMFLOW SUSPENDED-SEDIMENT LOAD OF STREAM DRY SEDIMENT  
 MONTH ACRE-FEET TONS TONS PER SQ MI ACRE-FEET PCT BY WEIGHT

**WATER YEAR 1981**

MONTH	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
OCT	26,249	5,290	--	3	.015
NOV	11,783	212	--	0	.001
DEC	13,680	116	--	0	.001
JAN	10,921	113	--	0	.001
FEB	9,256	181	--	0	.001
MAR	24,639	645	--	0	.002
APR	49,859	15,910	--	10	.023
MAY	30,034	5,160	--	3	.013
JUNE	135,996	177,000	--	116	.096
JULY	21,019	442	--	0	.002
AUG	15,030	241	--	0	.001
SEPT	15,748	480	--	0	.002
<b>SUMMARY</b>	<b>364,214</b>	<b>205,800</b>	<b>49</b>	<b>135</b>	<b>.042</b>

**WATER YEAR 1982**

MONTH	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
OCT	143,754	339,300	--	223	.173
NOV	19,493	220	--	0	.001
DEC	15,897	135	--	0	.001
JAN	13,614	119	--	0	.001
FEB	12,404	107	--	0	.001
MAR	12,821	95	--	0	.001
APR	11,149	92	--	0	.001
MAY	16,833	178	--	0	.001
JUNE	13,223	91	--	0	.001
JULY	7,170	45	--	0	.000
AUG	7,582	42	--	0	.000
SEPT	7,166	27	--	0	.000
<b>SUMMARY</b>	<b>281,106</b>	<b>340,500</b>	<b>81</b>	<b>223</b>	<b>.089</b>

**COLORADO RIVER BASIN**  
**8158000 COLORADO RIVER AT AUSTIN**

**Net Drainage Area:** 27,606 square miles.

**Location:** U.S. Highway 183 bridge. Flow records are from stream-gaging station Colorado River at Austin, 1,000 feet upstream from bridge.

**Records Available:** August 2, 1937 to date, except for May through September in 1962, and November 1963 through June 1964. Record reflects changing development above Austin. The record summary below is made for the period following closure of Town Lake Dam in Austin.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	2,511,000	1,016,000	37	666	0.030
MIN 1980	803,543	7,530	0	5	.001
AVG 21 yrs	1,392,590	97,849	4	64	.005

**WATER YEAR 1976**

OCT	30790	85	----	0	.0002
NOV	23030	118	----	0	.0004
DEC	12100	129	----	0	.0008
JAN	20340	331	----	0	.0012
FEB	5670	53	----	0	.0007
MAR	41570	223	----	0	.0004
APR	84300	2200	----	1	.0019
MAY	89830	790	----	1	.0006
JUNE	138600	2470	----	2	.0013
JULY	258900	3320	----	2	.0009
AUG	148500	897	----	1	.0004
SEPT	139000	335	----	0	.0002
<b>SUMMARY</b>	<b>992600</b>	<b>10950</b>	<b>0</b>	<b>7</b>	<b>.0008</b>

## COLORADO RIVER BASIN

### COLORADO RIVER AT AUSTIN—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1977</b>					
CCT	29,580	124	--	0	.000
NOV	46,660	84	--	0	.000
DEC	61,080	141	--	0	.000
JAN	81,930	364	--	0	.000
FEB	76,390	764	--	1	.001
MAR	88,520	728	--	0	.001
APR	544,200	55,950	--	37	.008
MAY	443,100	3,540	--	2	.001
JUNE	238,300	1,870	--	1	.001
JULY	109,700	501	--	0	.000
AUG	132,600	546	--	0	.000
SEPT	103,600	506	--	0	.000
<b>SUMMARY</b>	<b>1,956,000</b>	<b>65,120</b>	<b>3</b>	<b>43</b>	<b>.002</b>
<b>WATER YEAR 1978</b>					
OCT	14,917	57	--	0	.000
NOV	23,165	71	--	0	.000
DEC	29,135	128	--	0	.000
JAN	11,742	76	--	0	.000
FEB	8,721	64	--	0	.001
MAR	33,814	219	--	0	.000
APR	110,429	1,020	--	1	.001
MAY	144,359	1,420	--	1	.001
JUNE	157,404	2,350	--	2	.001
JULY	118,097	1,000	--	1	.001
AUG	144,591	656	--	0	.000
SEPT	88,688	569	--	0	.000
<b>SUMMARY</b>	<b>885,062</b>	<b>7,630</b>	<b>0</b>	<b>5</b>	<b>.001</b>

**COLORADO RIVER BASIN**  
**COLORADO RIVER AT AUSTIN—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
<b>WATER YEAR 1979</b>					
OCT	11,837	6	--	0	.000
NOV	6,188	8	--	0	.000
DEC	5,813	2	--	0	.000
JAN	16,885	38	--	0	.000
FEB	17,936	213	--	0	.001
MAR	22,671	245	--	0	.001
APR	104,734	1,120	--	1	.001
MAY	139,523	5,570	--	4	.003
JUNE	233,537	3,520	--	2	.001
JULY	101,983	1,070	--	1	.001
AUG	114,447	1,250	--	1	.001
SEPT	91,659	757	--	0	.001
<b>SUMMARY</b>	<b>867,213</b>	<b>13,800</b>	<b>0</b>	<b>9</b>	<b>.001</b>
<b>WATER YEAR 1980</b>					
OCT	13,448	196	--	0	.001
NOV	4,327	39	--	0	.001
DEC	7,634	137	--	0	.001
JAN	18,396	233	--	0	.001
FEB	4,855	15	--	0	.000
MAR	24,450	339	--	0	.001
APR	87,837	1,040	--	1	.001
MAY	119,505	1,350	--	1	.001
JUNE	150,051	1,980	--	1	.001
JULY	125,020	512	--	0	.000
AUG	135,060	1,100	--	1	.001
SEPT	112,960	587	--	0	.000
<b>SUMMARY</b>	<b>803,543</b>	<b>7,530</b>	<b>0</b>	<b>5</b>	<b>.001</b>

**COLORADO RIVER BASIN**  
**COLORADO RIVER AT AUSTIN—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
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**WATER YEAR 1981**

OCT	29,863	53	--	0	.000
NOV	23,887	160	--	0	.000
DEC	36,355	41	--	0	.000
JAN	40,842	61	--	0	.000
FEB	21,673	127	--	0	.000
MAR	152,160	2,710	--	2	.001
APR	120,081	31,860	--	21	.019
MAY	152,178	4,110	--	3	.002
JUNE	591,202	40,980	--	27	.005
JULY	189,067	2,530	--	2	.001
AUG	162,754	1,800	--	1	.001
SEPT	105,966	345	--	0	.000
<b>SUMMARY</b>	<b>1,626,028</b>	<b>84,780</b>	<b>3</b>	<b>56</b>	<b>.004</b>

**WATER YEAR 1982**

OCT	137,658	898	--	1	.000
NOV	121,570	912	--	1	.001
DEC	51,116	534	--	0	.001
JAN	25,138	89	--	0	.000
FEB	44,428	419	--	0	.001
MAR	75,228	1,410	--	1	.001
APR	103,044	1,710	--	1	.001
MAY	146,461	6,430	--	4	.003
JUNE	179,308	4,770	--	3	.002
JULY	191,883	2,440	--	2	.001
AUG	157,073	2,440	--	2	.001
SEPT	122,963	1,000	--	1	.001
<b>SUMMARY</b>	<b>1,355,870</b>	<b>23,050</b>	<b>1</b>	<b>15</b>	<b>.001</b>

**LAVACA RIVER BASIN**  
**8164000 LAVACA RIVER NEAR EDNA**

**Net Drainage Area:** 817 square miles.

**Location:** U.S. Highway 59 bridge, 2.8 miles southwest of Edna. Flow records are from upstream-gaging station at same location.

**Records Available:** September 1945 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1981	342,212	528,700	647	347	0.113
MIN 1956	4,440	4,672	6	3	.077
AVG 37 yrs	235,816	158,742	194	104	.049
WATER YEAR 1976					
OCT	3520	402	----	0	.0084
NOV	2830	235	----	0	.0061
DEC	12750	12760	----	8	.0735
JAN	3070	129	----	0	.0031
FEB	2460	135	----	0	.0040
MAR	3280	561	----	0	.0126
APR	31520	27840	----	18	.0649
MAY	50770	36530	----	24	.0529
JUNE	17040	11210	----	7	.0483
JULY	18110	8950	----	6	.0363
AUG	2500	148	----	0	.0043
SEPT	4130	2400	----	2	.0427
SUMMARY	152000	101300	124	66	.0490

**LAVACA RIVER BASIN**  
**LAVACA RIVER NEAR EDNA—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1977</b>					
CCT	55,120	33,000	--	22	.044
NOV	22,550	3,850	--	3	.013
DEC	147,600	33,560	--	22	.017
JAN	21,250	2,260	--	1	.008
FEB	60,720	23,850	--	16	.029
MAR	11,380	1,090	--	1	.007
APR	55,590	19,610	--	13	.026
MAY	12,970	15,380	--	10	.087
JUNE	17,630	6,620	--	4	.028
JULY	3,950	946	--	1	.018
AUG	2,290	173	--	0	.006
SEPT	4,020	3,230	--	2	.059
<b>SUMMARY</b>	<b>415,100</b>	<b>143,600</b>	<b>176</b>	<b>94</b>	<b>.025</b>
<b>WATER YEAR 1978</b>					
OCT	1,656	94	--	0	.004
NOV	9,538	7,630	--	5	.059
DEC	2,909	212	--	0	.005
JAN	9,316	6,440	--	4	.051
FEB	9,306	3,440	--	2	.027
MAR	6,509	4,150	--	3	.047
APR	15,211	15,340	--	10	.074
MAY	2,606	262	--	0	.007
JUNE	8,425	6,520	--	4	.057
JULY	2,644	3,800	--	2	.106
AUG	1,257	1,310	--	1	.077
SEPT	169,093	53,500	--	35	.023
<b>SUMMARY</b>	<b>238,470</b>	<b>102,700</b>	<b>126</b>	<b>67</b>	<b>.032</b>



**LAVACA RIVER BASIN**  
**LAVACA RIVER NEAR EDNA—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
<b>WATER YEAR 1979</b>					
OCT	7,686	967	--	1	.009
NOV	7,945	2,000	--	1	.018
DEC	4,510	419	--	0	.007
JAN	96,185	56,740	--	37	.043
FEB	44,956	11,900	--	8	.019
MAR	24,093	10,810	--	7	.033
APR	63,944	32,690	--	21	.038
MAY	151,245	81,210	--	53	.039
JUNE	90,058	39,200	--	26	.032
JULY	10,292	2,170	--	1	.015
AUG	8,514	414	--	0	.007
SEPT	49,444	16,100	--	11	.024
<b>SUMMARY</b>	<b>554,872</b>	<b>254,600</b>	<b>312</b>	<b>167</b>	<b>.034</b>
<b>WATER YEAR 1980</b>					
OCT	4,028	275	--	0	.005
NOV	2,935	196	--	0	.005
DEC	3,631	297	--	0	.006
JAN	31,904	10,830	--	7	.025
FEB	13,729	8,490	--	6	.045
MAR	4,881	469	--	0	.007
APR	4,139	523	--	0	.009
MAY	52,804	14,060	--	9	.020
JUNE	3,534	532	--	0	.011
JULY	1,846	249	--	0	.010
AUG	1,269	112	--	0	.006
SEPT	2,277	876	--	1	.028
<b>SUMMARY</b>	<b>126,977</b>	<b>36,910</b>	<b>45</b>	<b>24</b>	<b>.021</b>

**LAVACA RIVER BASIN**  
**LAVACA RIVER NEAR EDNA—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	LOAD OF STREAM TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1981</b>					
OCT	2,017	562	--	0	.020
NOV	1,388	110	--	0	.006
DEC	1,680	122	--	0	.005
JAN	2,390	275	--	0	.008
FEB	1,630	149	--	0	.007
MAR	2,120	253	--	0	.009
APR	9,804	13,460	--	9	.101
MAY	14,398	22,250	--	15	.114
JUNE	137,918	447,800	--	294	.239
JULY	22,998	11,790	--	8	.038
AUG	4,587	649	--	0	.010
SEPT	141,282	31,240	--	20	.016
<b>SUMMARY</b>	<b>342,212</b>	<b>528,700</b>	<b>647</b>	<b>347</b>	<b>.113</b>
<b>WATER YEAR 1982</b>					
OCT	16,617	7,180	--	5	.032
NOV	103,725	25,920	--	17	.018
DEC	8,711	2,020	--	1	.017
JAN	6,125	554	--	0	.007
FEB	33,013	12,860	--	8	.029
MAR	10,143	962	--	1	.007
APR	6,402	770	--	1	.009
MAY	199,181	57,910	--	38	.021
JUNE	9,249	810	--	1	.006
JULY	3,933	268	--	0	.005
AUG	1,900	106	--	0	.004
SEPT	3,560	887	--	1	.018
<b>SUMMARY</b>	<b>402,559</b>	<b>110,200</b>	<b>135</b>	<b>72</b>	<b>.020</b>

## LAVACA RIVER BASIN

### 8164300 NAVIDAD RIVER NEAR HALLETTSVILLE

**Net Drainage Area:** 332 square miles.

**Location:** U.S. Highway 90A bridge, 8 miles east-northeast of Hallettsville. Flow records are from stream-gaging station at same location.

**Records Available:** March 1962 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1965	125,874	113,136	341	74	0.066
MIN 1964	12,524	8,697	26	6	.051
AVG 20 yrs	120,057	43,546	131	29	.027
<b>WATER YEAR 1976</b>					
OCT	1240	31	----	0	.0018
NOV	1630	71	----	0	.0032
DEC	1890	82	----	0	.0032
JAN	1810	97	----	0	.0039
FEB	1530	106	----	0	.0051
MAR	1850	160	----	0	.0064
APR	12210	5580	----	4	.0336
MAY	12010	3240	----	2	.0198
JUNE	16120	7150	----	5	.0326
JULY	2060	245	----	0	.0087
AUG	747	46	----	0	.0045
SEPT	784	289	----	0	.0271
SUMMARY	53880	17100	52	11	.0233

**LAVACA RIVER BASIN**  
**NAVIDAD RIVER NEAR HALLETTSVILLE—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
<b>WATER YEAR 1977</b>					
OCT	20,680	4,910	--	3	.017
NOV	5,060	349	--	0	.005
DEC	57,980	10,340	--	7	.013
JAN	6,890	1,070	--	1	.011
FEB	28,970	3,600	--	2	.009
MAR	4,530	418	--	0	.007
APR	58,270	10,650	--	7	.013
MAY	4,690	793	--	1	.012
JUNE	2,140	185	--	0	.006
JULY	1,020	160	--	0	.012
AUG	469	29	--	0	.005
SEPT	445	38	--	0	.006
SUMMARY	191,100	32,540	98	21	.013
<b>WATER YEAR 1978</b>					
OCT	466	21	--	0	.003
NOV	1,513	246	--	0	.012
DEC	1,158	35	--	0	.002
JAN	2,538	235	--	0	.007
FEB	2,965	263	--	0	.007
MAR	2,473	178	--	0	.005
APR	1,473	147	--	0	.007
MAY	789	53	--	0	.005
JUNE	5,896	1,380	--	1	.017
JULY	154	15	--	0	.007
AUG	81	4	--	0	.004
SEPT	23,841	9,460	--	6	.029
SUMMARY	43,347	12,040	36	8	.020

# LAVACA RIVER BASIN

## NAVIDAD RIVER NEAR HALLETTSVILLE—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
WATER YEAR 1979					
OCT	1,019	70	--	0	.005
NOV	5,718	696	--	0	.009
DEC	2,388	291	--	0	.009
JAN	37,561	12,970	--	9	.025
FEB	16,645	7,520	--	5	.033
MAR	7,023	3,390	--	2	.035
APR	34,838	8,020	--	5	.017
MAY	78,998	49,300	--	32	.046
JUNE	47,667	24,370	--	16	.038
JULY	3,082	399	--	0	.010
AUG	1,410	79	--	0	.004
SEPT	4,524	1,540	--	1	.025
SUMMARY	240,873	108,600	327	71	.033
WATER YEAR 1980					
OCT	950	62	--	0	.005
NOV	1,321	68	--	0	.004
DEC	2,283	69	--	0	.002
JAN	12,428	4,560	--	3	.027
FEB	4,544	861	--	1	.014
MAR	3,320	236	--	0	.005
APR	2,056	141	--	0	.005
MAY	22,970	5,230	--	3	.017
JUNE	2,872	205	--	0	.005
JULY	561	77	--	0	.010
AUG	271	9	--	0	.002
SEPT	406	13	--	0	.002
SUMMARY	53,982	11,530	35	8	.016

**LAVACA RIVER BASIN**  
**NAVIDAD RIVER NEAR HALLETTSVILLE—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
<b>WATER YEAR 1981</b>					
OCT	343	15	--	0	.003
NOV	597	30	--	0	.004
DEC	777	24	--	0	.002
JAN	1,321	80	--	0	.004
FEB	1,128	44	--	0	.003
MAR	1,279	74	--	0	.004
APR	4,792	427	--	0	.007
MAY	3,080	447	--	0	.011
JUNE	21,378	3,380	--	2	.012
JULY	3,604	501	--	0	.010
AUG	13,983	1,170	--	1	.006
SEPT	83,773	8,030	--	5	.007
<b>SUMMARY</b>	<b>136,055</b>	<b>14,220</b>	<b>43</b>	<b>9</b>	<b>.008</b>
<b>WATER YEAR 1982</b>					
OCT	10,365	1,460	--	1	.010
NOV	47,506	30,130	--	20	.047
DEC	3,324	130	--	0	.003
JAN	2,586	107	--	0	.003
FEB	4,661	409	--	0	.006
MAR	3,014	335	--	0	.008
APR	2,074	201	--	0	.007
MAY	51,436	12,190	--	8	.017
JUNE	1,618	193	--	0	.009
JULY	489	67	--	0	.010
AUG	188	13	--	0	.005
SEPT	301	6	--	0	.001
<b>SUMMARY</b>	<b>127,562</b>	<b>45,240</b>	<b>136</b>	<b>30</b>	<b>.026</b>

**LAVACA RIVER BASIN**  
**8164500 NAVIDAD RIVER NEAR GANADO**

**Net Drainage Area:** 1,062 square miles.

**Location:** U.S. Highway 59 bridge, 2.5 miles southwest of Ganado. Flow records are from stream-gaging station at same location.

**Records Available:** March 1976 through September 1979.

<u>RECORD PERIOD</u>	<u>STREAMFLOW ACRE-FEET</u>	<u>SUSPENDED-SEDIMENT LOAD OF STREAM</u>			<u>DRY SEDIMENT PCT BY WEIGHT</u>
		<u>TONS</u>	<u>TONS PER SQ MI</u>	<u>ACRE-FEET</u>	
MAX 1979	793,629	399,200	376	262	0.037
MIN 1978	391,794	118,000	111	77	.022
AVG 3 yrs	587,741	231,433	218	152	.029

**WATER YEAR 1976**

OCT	9500	0	----	0	.0000
NOV	2800	0	----	0	.0000
DEC	33270	0	----	0	.0000
JAN	3050	0	----	0	.0000
FEB	2280	0	----	0	.0000
MAR	2500	385	----	0	.0113
APR	34290	19370	----	13	.0415
MAY	54690	19520	----	13	.0262
JUNE	48290	6090	----	4	.0093
JULY	33820	5810	----	4	.0126
AUG	2440	194	----	0	.0058
SEPT	10400	3370	----	2	.0238
<b>SUMMARY</b>	<b>237300</b>	<b>54740</b>		<b>36</b>	<b>.0169</b>

**LAVACA RIVER BASIN**  
**NAVIDAD RIVER NEAR GANADO—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
<b>WATER YEAR 1977</b>					
OCT	42,370	14,070	--	9	.024
NOV	26,380	6,540	--	4	.018
DEC	209,700	33,570	--	22	.012
JAN	24,580	4,200	--	3	.013
FEB	82,190	31,190	--	20	.028
MAR	7,370	2,910	--	2	.029
APR	101,000	45,520	--	30	.033
MAY	12,950	10,010	--	7	.057
JUNE	47,580	14,650	--	10	.023
JULY	11,650	12,810	--	8	.081
AUG	3,050	298	--	0	.007
SEPT	8,960	1,330	--	1	.011
<b>SUMMARY</b>	<b>577,800</b>	<b>177,100</b>	<b>167</b>	<b>116</b>	<b>.023</b>
<b>WATER YEAR 1978</b>					
OCT	8,489	1,490	--	1	.013
NOV	16,478	3,280	--	2	.015
DEC	1,713	171	--	0	.007
JAN	42,151	19,460	--	13	.034
FEB	24,494	6,480	--	4	.019
MAR	4,234	1,640	--	1	.028
APR	14,380	4,260	--	3	.022
MAY	1,939	197	--	0	.007
JUNE	29,462	17,900	--	12	.045
JULY	7,767	789	--	1	.007
AUG	1,299	87	--	0	.005
SEPT	239,388	62,250	--	41	.019
<b>SUMMARY</b>	<b>391,794</b>	<b>118,000</b>	<b>111</b>	<b>77</b>	<b>.022</b>



# LAVACA RIVER BASIN

## NAVIDAD RIVER NEAR GANADO—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1979					
OCT	13,517	1,930	--	1	.010
NOV	15,255	3,170	--	2	.015
DEC	6,339	491	--	0	.006
JAN	162,161	47,520	--	31	.022
FEB	74,773	15,200	--	10	.015
MAR	38,144	12,660	--	8	.024
APR	104,776	81,420	--	53	.057
MAY	169,509	107,000	--	70	.046
JUNE	45,777	23,090	--	15	.037
JULY	21,804	2,550	--	2	.009
AUG	5,871	360	--	0	.005
SEPT	135,703	103,800	--	68	.056
SUMMARY	793,629	399,200	376	262	.037

## GUADALUPE RIVER BASIN

### 8167500 GUADALUPE RIVER NEAR SPRING BRANCH

**Net Drainage Area:** 1,315 square miles.

**Location:** Ranch Road 311 bridge, 2.0 miles southeast of Spring Branch. Flow records are from stream-gaging station at same location.

**Records Available:** January 1942 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	212,500	873,384	664	573	0.302
MIN 1956	9,650	871	1	1	.007
AVG 40 yrs	236,709	178,785	136	117	.055
WATER YEAR 1976					
OCT	14560	526	----	0	.0027
NOV	10970	196	----	0	.0013
DEC	10430	87	----	0	.0006
JAN	9610	137	----	0	.0010
FEB	8250	88	----	0	.0008
MAR	7980	228	----	0	.0021
APR	39740	16390	----	11	.0303
MAY	31870	5540	----	4	.0128
JUNE	21550	3610	----	2	.0123
JULY	45990	9200	----	6	.0147
AUG	16500	623	----	0	.0028
SEPT	16040	3050	----	2	.0140
SUMMARY	233500	39680	30	26	.0125

## GUADALUPE RIVER BASIN

### GUADALUPE RIVER NEAR SPRING BRANCH—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1977					
CCT	22,640	1,280	--	1	.004
NOV	25,620	422	--	0	.001
DEC	30,680	367	--	0	.001
JAN	29,330	679	--	0	.002
FEB	26,690	1,060	--	1	.003
MAR	21,490	804	--	1	.003
APR	143,800	162,200	--	106	.083
MAY	71,580	20,820	--	14	.021
JUNE	33,210	2,770	--	2	.006
JULY	15,690	525	--	0	.002
AUG	8,740	101	--	0	.001
SEPT	6,980	124	--	0	.001
SUMMARY	436,500	191,200	145	125	.032
WATER YEAR 1978					
OCT	13,346	1,030	--	1	.006
NOV	12,188	639	--	0	.004
DEC	9,768	128	--	0	.001
JAN	8,445	93	--	0	.001
FEB	7,977	97	--	0	.001
MAR	7,350	247	--	0	.002
APR	6,495	194	--	0	.002
MAY	5,002	315	--	0	.005
JUNE	11,774	12,310	--	8	.077
JULY	2,126	115	--	0	.004
AUG	306,230	737,600	--	484	.177
SEPT	56,018	42,550	--	28	.056
SUMMARY	446,719	795,300	605	522	.131

## GUADALUPE RIVER BASIN

### GUADALUPE RIVER NEAR SPRING BRANCH—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1979					
OCT	21,919	1,070	--	1	.004
NOV	21,372	2,760	--	2	.009
DEC	21,423	2,790	--	2	.010
JAN	41,956	5,010	--	3	.009
FEB	51,876	5,440	--	4	.008
MAR	89,039	49,590	--	33	.041
APR	88,404	17,280	--	11	.014
MAY	58,334	5,220	--	3	.007
JUNE	115,046	51,930	--	34	.033
JULY	41,953	4,510	--	3	.008
AUG	23,385	1,930	--	1	.006
SEPT	13,243	674	--	0	.004
SUMMARY	587,950	148,200	113	97	.019
WATER YEAR 1980					
OCT	9,907	363	--	0	.003
NOV	9,893	247	--	0	.002
DEC	10,992	186	--	0	.001
JAN	10,516	201	--	0	.001
FEB	8,903	183	--	0	.002
MAR	9,562	599	--	0	.005
APR	8,834	440	--	0	.004
MAY	16,183	2,370	--	2	.011
JUNE	7,285	433	--	0	.004
JULY	2,844	171	--	0	.004
AUG	2,465	117	--	0	.003
SEPT	31,799	5,580	--	4	.013
SUMMARY	129,183	10,890	8	7	.006

## GUADALUPE RIVER BASIN

### GUADALUPE RIVER NEAR SPRING BRANCH—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	LOAD OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1981					
OCT	36,990	11,990	--	8	.024
NOV	12,730	228	--	0	.001
DEC	15,294	169	--	0	.001
JAN	12,160	86	--	0	.001
FEB	10,343	87	--	0	.001
MAR	50,406	23,570	--	15	.034
APR	56,857	16,660	--	11	.022
MAY	28,012	2,550	--	2	.007
JUNE	185,199	140,800	--	92	.056
JULY	48,986	3,600	--	2	.005
AUG	19,952	343	--	0	.001
SEPT	16,709	1,270	--	1	.006
SUMMARY	493,638	201,400	153	132	.030
WATER YEAR 1982					
OCT	97,405	92,760	--	61	.070
NOV	27,005	771	--	1	.002
DEC	20,199	280	--	0	.001
JAN	16,062	128	--	0	.001
FEB	12,263	168	--	0	.001
MAR	12,813	241	--	0	.001
APR	11,262	252	--	0	.002
MAY	47,306	17,210	--	11	.027
JUNE	23,068	10,030	--	7	.032
JULY	8,372	352	--	0	.003
AUG	5,613	181	--	0	.002
SEPT	6,406	3,780	--	2	.043
SUMMARY	287,774	126,200	96	83	.032

## GUADALUPE RIVER BASIN

### 8176500 GUADALUPE RIVER AT VICTORIA

**Net Drainage Area:** 3,766 square miles.

**Location:** U.S. Highway 59 bridge in Victoria. Flow records are from stream-gaging station at same location.

**Records Available:** September 1945 to date. The record summary below is made for the period following the construction of Canyon Dam in 1964.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1979	2,505,042	1,110,000	295	728	0.033
MIN 1980	740,451	237,400	63	156	.024
AVG 17 yrs	1,682,705	629,051	167	413	.027

#### WATER YEAR 1976

OCT	71010	8540	----	6	.0088
NOV	58980	5350	----	4	.0067
DEC	71910	10690	----	7	.0109
JAN	57200	3480	----	2	.0045
FEB	50610	3490	----	2	.0051
MAR	56110	5920	----	4	.0078
APR	301600	207000	----	136	.0504
MAY	389800	265900	----	174	.0501
JUNE	199100	86610	----	57	.0320
JULY	139900	34100	----	22	.0179
AUG	104900	9240	----	6	.0065
SEPT	95230	14840	----	10	.0114
SUMMARY	1596000	655200		126	.0302

# GUADALUPE RIVER BASIN

## GUADALUPE RIVER AT VICTORIA—Continued

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM		AT DRY SEDIMENT PCT BY WEIGHT	
	ACRE-FEET		TONS	TONS PER SQ MI		
WATER YEAR 1977						
OCT	249,000		161,600	--	106	.048
NOV	303,600		125,600	--	82	.030
DEC	417,300		165,900	--	109	.029
JAN	183,000		21,920	--	14	.009
FEB	262,500		79,510	--	52	.022
MAR	140,800		13,240	--	9	.007
APR	613,900		264,600	--	174	.032
MAY	285,600		112,100	--	74	.029
JUNE	152,700		32,910	--	22	.016
JULY	107,100		13,570	--	9	.009
AUG	71,880		7,280	--	5	.007
SEPT	62,980		8,280	--	5	.010
SUMMARY	2,850,000		1,007,000	194	661	.026
WATER YEAR 1978						
OCT	57,132		4,550	--	3	.006
NOV	92,877		28,430	--	19	.022
DEC	57,715		2,640	--	2	.003
JAN	56,674		2,650	--	2	.003
FEB	56,283		5,160	--	3	.007
MAR	56,329		5,620	--	4	.007
APR	57,809		18,580	--	12	.024
MAY	47,689		4,300	--	3	.007
JUNE	85,724		56,440	--	37	.048
JULY	38,372		3,510	--	2	.007
AUG	228,957		116,600	--	76	.037
SEPT	222,509		135,800	--	89	.045
SUMMARY	1,058,070		384,300	74	252	.027

## GUADALUPE RIVER BASIN

### GUADALUPE RIVER AT VICTORIA—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS TONS PER SQ MI ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1979						
OCT	94,414	6,340	--	--	4	.005
NOV	111,730	43,520	--	--	29	.029
DEC	63,180	5,430	--	--	4	.006
JAN	293,121	178,100	--	--	117	.045
FEB	217,193	90,480	--	--	59	.031
MAR	235,401	119,700	--	--	79	.037
APR	310,814	172,700	--	--	113	.041
MAY	467,372	255,800	--	--	168	.040
JUNE	349,016	162,700	--	--	107	.034
JULY	140,550	37,750	--	--	25	.020
AUG	122,243	19,000	--	--	12	.011
SEPT	100,008	18,400	--	--	12	.014
SUMMARY	2,505,042	1,110,000	214		728	.033
WATER YEAR 1980						
OCT	56,803	3,150	--	--	2	.004
NOV	51,166	2,270	--	--	1	.003
DEC	50,474	1,930	--	--	1	.003
JAN	66,040	13,030	--	--	9	.014
FEB	53,564	4,640	--	--	3	.006
MAR	48,932	3,840	--	--	3	.006
APR	43,597	2,670	--	--	2	.004
MAY	164,408	121,100	--	--	79	.054
JUNE	65,862	6,580	--	--	4	.007
JULY	37,101	3,890	--	--	3	.008
AUG	27,096	1,760	--	--	1	.005
SEPT	75,408	72,490	--	--	48	.071
SUMMARY	740,451	237,400	46		156	.024



**GUADALUPE RIVER BASIN**  
**GUADALUPE RIVER AT VICTORIA—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1981					
OCT	58,348	4,480	--	3	.006
NOV	49,121	2,250	--	1	.003
DEC	50,969	1,390	--	1	.002
JAN	52,138	2,140	--	1	.003
FEB	50,733	2,670	--	2	.004
MAR	77,677	8,610	--	6	.008
APR	99,135	25,710	--	17	.019
MAY	131,942	37,070	--	24	.021
JUNE	596,259	384,900	--	252	.047
JULY	235,699	115,200	--	76	.036
AUG	115,281	15,140	--	10	.010
SEPT	674,747	206,700	--	136	.023
SUMMARY	2,192,049	806,300	155	529	.027
WATER YEAR 1982					
OCT	133,945	35,070	--	23	.019
NOV	261,663	125,200	--	82	.035
DEC	104,708	5,860	--	4	.004
JAN	77,316	4,890	--	3	.005
FEB	91,161	19,990	--	13	.016
MAR	66,433	6,680	--	4	.007
APR	57,456	5,290	--	3	.007
MAY	333,670	197,500	--	130	.043
JUNE	80,014	8,050	--	5	.007
JULY	47,395	5,090	--	3	.008
AUG	30,651	2,460	--	2	.006
SEPT	28,528	2,050	--	1	.005
SUMMARY	1,312,940	418,100	80	274	.023

**SAN ANTONIO RIVER BASIN**  
**8186000 CIBOLO CREEK NEAR FALLS CITY**

**Net Drainage Area:** 827 square miles.

**Location:** State Highway 123 bridge, 5.5 miles northeast of Falls City. Flow records are from stream-gaging station at same location.

**Records Available:** June 1963 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	189,100	411,600	498	270	0.160
MIN 1982	33,121	6,070	7	4	.013
AVG 19 yrs	108,283	118,652	143	78	.080

**WATER YEAR 1976**

OCT	1790	165	----	0	.0068
NOV	1840	122	----	0	.0049
DEC	2170	109	----	0	.0037
JAN	1860	72	----	0	.0028
FEB	1430	93	----	0	.0048
MAR	2080	252	----	0	.0089
APR	16420	31820	----	21	.1424
MAY	41950	76760	----	50	.1344
JUNE	3600	436	----	0	.0089
JULY	6720	1050	----	1	.0115
AUG	2050	89	----	0	.0032
SEPT	4670	1570	----	1	.0247
<b>SUMMARY</b>	<b>86580</b>	<b>112500</b>		<b>74</b>	<b>.0955</b>

## SAN ANTONIO RIVER BASIN

### CIBOLO CREEK NEAR FALLS CITY—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
WATER YEAR 1977					
CCT	38,520	32,230	--	21	.061
NOV	19,540	7,260	--	5	.027
DEC	14,990	7,070	--	5	.035
JAN	12,340	2,520	--	2	.015
FEB	13,170	5,450	--	4	.030
MAR	4,750	437	--	0	.007
APR	88,790	111,500	--	73	.092
MAY	16,650	11,850	--	8	.052
JUNE	4,650	604	--	0	.010
JULY	2,970	367	--	0	.009
AUG	1,940	174	--	0	.007
SEPT	14,430	15,490	--	10	.079
SUMMARY	232,700	195,000	236	128	.062
WATER YEAR 1978					
OCT	2,669	206	--	0	.006
NOV	29,931	27,450	--	18	.067
DEC	3,001	129	--	0	.003
JAN	2,868	128	--	0	.003
FEB	3,106	184	--	0	.004
MAR	2,953	272	--	0	.007
APR	7,132	2,740	--	2	.028
MAY	2,929	352	--	0	.009
JUNE	17,300	11,000	--	7	.047
JULY	1,654	164	--	0	.007
AUG	10,032	7,610	--	5	.056
SEPT	15,072	13,350	--	9	.065
SUMMARY	98,647	63,590	77	42	.047

## SAN ANTONIO RIVER BASIN

### CIBOLO CREEK NEAR FALLS CITY—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1979					
OCT	2,096	95	--	0	.003
NOV	21,396	11,360	--	7	.039
DEC	3,498	157	--	0	.003
JAN	21,497	14,350	--	9	.049
FEB	11,625	5,500	--	4	.035
MAR	12,055	1,510	--	1	.009
APR	50,769	71,980	--	47	.104
MAY	15,790	11,950	--	8	.056
JUNE	22,338	17,170	--	11	.056
JULY	6,335	2,080	--	1	.024
AUG	3,846	369	--	0	.007
SEPT	2,725	284	--	0	.008
SUMMARY	173,970	136,800	165	90	.058
WATER YEAR 1980					
OCT	1,983	109	--	0	.004
NOV	2,015	66	--	0	.002
DEC	2,413	109	--	0	.003
JAN	2,538	206	--	0	.006
FEB	2,249	100	--	0	.003
MAR	2,054	166	--	0	.006
APR	1,711	138	--	0	.006
MAY	19,218	30,340	--	20	.116
JUNE	1,584	61	--	0	.003
JULY	938	71	--	0	.006
AUG	2,294	405	--	0	.013
SEPT	20,630	20,410	--	13	.073
SUMMARY	59,627	52,180	63	34	.064

**SAN ANTONIO RIVER BASIN**  
**CIBOLO CREEK NEAR FALLS CITY—Continued**

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1981					
OCT	1,676	64	--	0	.003
NOV	2,368	78	--	0	.002
DEC	2,027	98	--	0	.004
JAN	2,298	155	--	0	.005
FEB	1,830	114	--	0	.005
MAR	2,054	159	--	0	.006
APR	3,613	2,610	--	2	.053
MAY	6,446	3,600	--	2	.041
JUNE	6,819	5,380	--	4	.058
JULY	1,539	137	--	0	.007
AUG	5,871	422	--	0	.005
SEPT	6,369	2,320	--	2	.027
SUMMARY	42,910	15,140	18	10	.026
WATER YEAR 1982					
OCT	4,605	151	--	0	.002
NOV	5,785	413	--	0	.005
DEC	2,066	31	--	0	.001
JAN	2,003	50	--	0	.002
FEB	4,010	593	--	0	.011
MAR	2,386	171	--	0	.005
APR	1,836	171	--	0	.007
MAY	6,025	4,270	--	3	.052
JUNE	1,727	60	--	0	.003
JULY	888	31	--	0	.003
AUG	755	25	--	0	.002
SEPT	1,035	103	--	0	.007
SUMMARY	33,121	6,070	7	4	.013

**SAN ANTONIO RIVER BASIN**  
**8188500 SAN ANTONIO RIVER AT GOLIAD**

**Net Drainage Area:** 3,921 square miles.

**Location:** U.S. Highway 183 bridge in Goliad. Flow records are from stream-gaging station at same location.

**Records Available:** January 1942 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	705,400	1,725,533	440	1,132	0.180
MIN 1954	103,800	76,530	20	50	.054
AVG 40 yrs	504,608	498,410	127	327	.073

**WATER YEAR 1976**

OCT	27770	8070	----	5	.0213
NOV	23470	3460	----	2	.0108
DEC	31820	16140	----	11	.0373
JAN	25880	3080	----	2	.0087
FEB	20190	2380	----	2	.0087
MAR	22730	6560	----	4	.0212
APR	92720	129300	----	85	.1024
MAY	164800	249000	----	163	.1110
JUNE	42430	13410	----	9	.0232
JULY	68920	59440	----	39	.0634
AUG	35230	7030	----	5	.0147
SEPT	51470	45000	----	30	.0642
SUMMARY	607400	542900	138	356	.0657

**SAN ANTONIO RIVER BASIN**  
**SAN ANTONIO RIVER AT GOLIAD—Continued**

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
	ACRE-FEET	TONS	TONS PER SQ MI		
WATER YEAR 1977					
OCT	113,600	137,800	--	90	.089
NOV	143,000	88,860	--	58	.046
DEC	112,900	63,490	--	42	.041
JAN	89,750	31,700	--	21	.026
FEB	83,650	33,890	--	22	.029
MAR	61,260	11,400	--	7	.014
APR	259,300	223,800	--	147	.063
MAY	149,900	150,000	--	98	.074
JUNE	76,750	57,870	--	38	.055
JULY	42,280	9,050	--	6	.016
AUG	28,670	4,200	--	3	.011
SEPT	47,280	58,520	--	38	.091
SUMMARY	1,210,000	870,600	222	571	.053
WATER YEAR 1978					
OCT	31,472	14,440	--	9	.034
NOV	80,200	123,300	--	81	.113
DEC	34,877	3,100	--	2	.007
JAN	31,583	2,200	--	1	.005
FEB	33,009	4,640	--	3	.010
MAR	32,721	4,370	--	3	.010
APR	40,830	37,550	--	25	.068
MAY	27,820	8,010	--	5	.021
JUNE	55,793	65,860	--	43	.087
JULY	12,196	1,850	--	1	.011
AUG	106,736	109,400	--	72	.075
SEPT	110,703	130,000	--	85	.086
SUMMARY	597,940	504,700	129	331	.062

## SAN ANTONIO RIVER BASIN

### SAN ANTONIO RIVER AT GOLIAD—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1979					
OCT	38,969	5,450	--	4	.010
NOV	59,582	79,490	--	52	.098
DEC	35,181	5,600	--	4	.012
JAN	94,614	103,300	--	68	.080
FEB	62,603	31,080	--	20	.036
MAR	77,782	52,750	--	35	.050
APR	170,442	161,400	--	106	.070
MAY	138,628	176,200	--	116	.093
JUNE	165,721	156,600	--	103	.069
JULY	65,328	44,350	--	29	.050
AUG	43,561	11,960	--	8	.020
SEPT	29,326	4,920	--	3	.012
SUMMARY	981,737	833,100	212	546	.062
WATER YEAR 1980					
OCT	22,403	2,170	--	1	.007
NOV	24,192	2,420	--	2	.007
DEC	29,845	3,460	--	2	.009
JAN	34,741	9,070	--	6	.019
FEB	27,816	2,180	--	1	.006
MAR	20,223	2,150	--	1	.008
APR	22,816	3,840	--	3	.012
MAY	80,904	117,100	--	77	.106
JUNE	21,312	3,910	--	3	.013
JULY	12,745	2,330	--	2	.013
AUG	43,153	71,980	--	47	.123
SEPT	60,566	87,720	--	58	.106
SUMMARY	400,716	308,300	79	202	.057



# SAN ANTONIO RIVER BASIN

## SAN ANTONIO RIVER AT GOLIAD—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	OF STREAM TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1981					
OCT	19,095	2,310	--	2	.009
NOV	24,049	8,480	--	6	.026
DEC	25,055	2,680	--	2	.008
JAN	26,245	5,020	--	3	.014
FEB	23,175	2,190	--	1	.007
MAR	25,950	2,660	--	2	.008
APR	27,632	17,390	--	11	.046
MAY	54,173	41,520	--	27	.056
JUNE	282,490	242,200	--	159	.063
JULY	93,466	62,330	--	41	.049
AUG	38,003	17,150	--	11	.033
SEPT	145,452	83,310	--	55	.042
SUMMARY	784,785	487,200	124	320	.046
WATER YEAR 1982					
OCT	92,516	111,100	--	73	.088
NOV	65,255	49,760	--	33	.056
DEC	35,548	3,410	--	2	.007
JAN	31,343	2,840	--	2	.007
FEB	45,299	43,020	--	28	.070
MAR	33,580	5,120	--	3	.011
APR	25,664	3,440	--	2	.010
MAY	65,344	70,840	--	46	.080
JUNE	25,027	11,360	--	7	.033
JULY	17,635	3,760	--	2	.016
AUG	17,732	3,920	--	3	.016
SEPT	15,146	3,450	--	2	.017
SUMMARY	470,089	312,000	80	205	.049

**NUECES RIVER BASIN**

**8194000 NUECES RIVER AT COTULLA**

**Net Drainage Area:** 5,171 square miles.

**Location:** U.S. Highway 81 bridge at Cotulla. Flow records are from stream-gaging station at same location.

**Records Available:** January 1942 through September 1979.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1958	359,400	474,297	92	311	0.097
MIN 1969	28,760	6,160	1	4	.016
AVG 37 yrs	181,665	65,706	13	43	.027

**WATER YEAR 1976**

OCT	2070	52	----	0	.0018
NOV	1930	52	----	0	.0020
DEC	142	0	----	0	.0000
JAN	7	0	----	0	.0000
FEB	3	0	----	0	.0000
MAR	0	0	----	0	.0000
APR	0	0	----	0	.0000
MAY	2780	261	----	0	.0069
JUNE	1170	50	----	0	.0031
JULY	79990	10290	----	7	.0095
AUG	34510	2960	----	2	.0063
SEPT	24940	1720	----	1	.0051
SUMMARY	147500	15390	3	10	.0077

## NUECES RIVER BASIN

### NUECES RIVER AT COTULIA—Continued

MONTH	STREAMFLOW	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT
	ACRE-FEET	TONS	TONS PER SQ MI	ACRE-FEET	PCT BY WEIGHT
<b>WATER YEAR 1977</b>					
CCT	26,530	1,610	--	1	.004
NOV	65,340	3,780	--	2	.004
DEC	24,760	1,030	--	1	.003
JAN	16,990	356	--	0	.002
FEB	14,290	308	--	0	.002
MAR	11,110	398	--	0	.003
APR	39,140	4,480	--	3	.008
MAY	41,190	3,660	--	2	.007
JUNE	11,560	623	--	0	.004
JULY	3,820	221	--	0	.004
AUG	696	25	--	0	.003
SEPT	0	0	--	0	.000
SUMMARY	255,400	16,490	3	11	.005
<b>WATER YEAR 1978</b>					
OCT	0	0	--	0	.000
NOV	384	11	--	0	.002
DEC	2,025	66	--	0	.002
JAN	287	4	--	0	.001
FEB	0	0	--	0	.000
MAR	0	0	--	0	.000
APR	0	0	--	0	.000
MAY	8,737	2,940	--	2	.025
JUNE	17,083	4,190	--	3	.018
JULY	11	0	--	0	.000
AUG	700	123	--	0	.013
SEPT	5,980	961	--	1	.012
SUMMARY	35,207	8,300	2	5	.017

# NUECES RIVER BASIN

## NUECES RIVER AT COTULIA—Continued

MONTH	STREAMFLOW		SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT	
	ACRE-FEET		TONS	TONS PER SQ MI		
WATER YEAR 1979						
OCT	279		1	--	0	.000
NOV	17		0	--	0	.000
DEC	130		0	--	0	.000
JAN	39		0	--	0	.000
FEB	3		0	--	0	.000
MAR	0		0	--	0	.000
APR	11,278		1,530	--	1	.010
MAY	6,533		518	--	0	.006
JUNE	152,495		18,560	--	12	.009
JULY	882		24	--	0	.002
AUG	0		0	--	0	.000
SEPT	0		0	--	0	.000
SUMMARY	171,656		20,630	4	14	.009

**NUECES RIVER BASIN**  
**8207000 FRIO RIVER AT CALLIHAM**

**Net Drainage Area:** 5,491 square miles.

**Location:** Farm Road 99 bridge, 1 mile north of Calliham. Flow records are from stream-gaging Frio River at Calliham, about 2,500 feet upstream from sampling point.

**Records Available:** January 1953 through September 1979.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1967	410,400	490,000	89	321	0.088
MIN 1969	12,290	16,460	3	11	.098
AVG 26 yrs	177,311	124,815	23	82	.052

**WATER YEAR 1976**

OCT	4380	240	----	0	.0040
NOV	3970	272	----	0	.0050
DEC	3850	290	----	0	.0055
JAN	4000	340	----	0	.0062
FEB	2290	159	----	0	.0051
MAR	2140	208	----	0	.0071
APR	20620	14160	----	9	.0504
MAY	60770	54100	----	35	.0654
JUNE	6920	603	----	0	.0064
JULY	66380	31490	----	21	.0348
AUG	18610	2230	----	1	.0088
SEPT	9570	1060	----	1	.0081
SUMMARY	203500	105200		19	.0380

## NUECES RIVER BASIN

### FRIO RIVER AT CALLIHAM—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1977					
OCT	40,760	21,160	--	14	.038
NOV	32,830	4,120	--	3	.009
DEC	21,990	2,220	--	1	.007
JAN	17,140	2,040	--	1	.009
FEB	13,960	1,170	--	1	.006
MAR	12,010	1,500	--	1	.009
APR	112,000	33,420	--	22	.022
MAY	34,210	8,350	--	5	.018
JUNE	13,000	1,640	--	1	.009
JULY	6,060	468	--	0	.006
AUG	3,010	203	--	0	.005
SEPT	3,800	466	--	0	.009
SUMMARY	310,800	76,760	14	50	.018
WATER YEAR 1978					
OCT	8,868	6,630	--	4	.055
NOV	9,820	3,270	--	2	.024
DEC	6,190	437	--	0	.005
JAN	5,986	280	--	0	.003
FEB	4,276	176	--	0	.003
MAR	3,225	157	--	0	.004
APR	2,582	190	--	0	.005
MAY	2,368	783	--	1	.024
JUNE	61,454	33,210	--	22	.040
JULY	2,112	822	--	1	.029
AUG	54,542	19,610	--	13	.026
SEPT	22,834	11,100	--	7	.036
SUMMARY	184,257	76,670	14	50	.031

# NUECES RIVER BASIN

## FRIO RIVER AT CALLIHAM—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1979					
OCT	2,070	94	--	0	.003
NOV	2,905	94	--	0	.002
DEC	2,919	119	--	0	.003
JAN	5,335	698	--	0	.010
FEB	3,147	135	--	0	.003
MAR	11,643	4,450	--	3	.028
APR	32,658	17,330	--	11	.039
MAY	11,198	2,450	--	2	.016
JUNE	79,470	16,650	--	11	.015
JULY	9,679	3,800	--	2	.029
AUG	2,780	92	--	0	.002
SEPT	1,814	74	--	0	.003
<b>SUMMARY</b>	<b>165,618</b>	<b>45,990</b>	<b>8</b>	<b>30</b>	<b>.020</b>

## NUECES RIVER BASIN

### 8210500 LAKE CORPUS CHRISTI NEAR MATHIS

**Net Drainage Area:** 16,656 square miles.

**Location:** Sediment outflow measured at State Highway 359 bridge about 0.6 mile downstream from Wesley E. Seale Dam. Flow records are from stream-gaging station Nueces River near Mathis, at the same location.

**Records Available:** February 2, 1942 through May 1958, and July 1961 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1967	1,569,000	177,625	—	117	0.008
MIN 1963	79,240	2,769	—	2	.003
AVG 20 yrs	636,542	39,864	—	26	.005

#### WATER YEAR 1976

OCT	6180	116	----	0	.0014
NOV	5140	150	----	0	.0021
DEC	3930	137	----	0	.0020
JAN	3320	90	----	0	.0020
FEB	3300	81	----	0	.0018
MAR	3980	103	----	0	.0019
APR	3300	101	----	0	.0022
MAY	70390	3240	----	2	.0034
JUNE	8160	1910	----	1	.0172
JULY	136200	3470	----	2	.0019
AUG	57040	1360	----	1	.0018
SEPT	98620	1700	----	1	.0013
SUMMARY	399600	12460	1	8	.0023



# NUECES RIVER BASIN

## LAKE CORPUS CHRISTI NEAR MATHIS—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT	
WATER YEAR 1977					
CCT	158,000	3,330	--	2	.002
NOV	270,800	10,310	--	7	.003
DEC	115,000	3,410	--	2	.002
JAN	49,410	615	--	0	.001
FEB	28,870	637	--	0	.002
MAR	16,040	385	--	0	.002
APR	276,100	12,800	--	8	.003
MAY	87,910	2,330	--	2	.002
JUNE	32,310	560	--	0	.001
JULY	8,510	198	--	0	.002
AUG	5,640	111	--	0	.001
SEPT	4,660	143	--	0	.002
SUMMARY	1,053,000	34,830	215.8	23	.002
WATER YEAR 1978					
OCT	6,966	194	--	0	.002
NOV	6,180	168	--	0	.002
DEC	6,202	155	--	0	.002
JAN	5,889	154	--	0	.002
FEB	5,091	103	--	0	.001
MAR	7,196	220	--	0	.002
APR	6,970	255	--	0	.003
MAY	8,410	228	--	0	.002
JUNE	46,112	511	--	0	.001
JULY	9,427	280	--	0	.002
AUG	54,111	1,000	--	1	.001
SEPT	59,576	1,010	--	1	.001
SUMMARY	222,130	4,280	0	3	.001

## NUECES RIVER BASIN

### LAKE CORPUS CHRISTI NEAR MATHIS—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD TONS	LOAD OF STREAM TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1979					
OCT	7,257	159	--	0	.002
NOV	6,577	184	--	0	.002
DEC	6,053	142	--	0	.002
JAN	8,090	475	--	0	.004
FEB	5,438	133	--	0	.002
MAR	6,497	87	--	0	.001
APR	47,332	1,300	--	1	.002
MAY	35,443	1,310	--	1	.003
JUNE	205,938	3,460	--	2	.001
JULY	17,811	413	--	0	.002
AUG	8,727	365	--	0	.003
SEPT	6,333	181	--	0	.002
SUMMARY	361,496	8,210	0	5	.002
WATER YEAR 1980					
OCT	7,646	208	--	0	.002
NOV	7,204	234	--	0	.002
DEC	7,033	202	--	0	.002
JAN	8,654	264	--	0	.002
FEB	6,337	160	--	0	.002
MAR	7,574	150	--	0	.001
APR	8,622	237	--	0	.002
MAY	124,551	3,340	--	2	.002
JUNE	36,637	1,870	--	1	.004
JULY	11,190	775	--	1	.005
AUG	304,792	17,430	--	11	.004
SEPT	29,137	1,690	--	1	.004
SUMMARY	559,377	26,560	2	17	.003

## NUECES RIVER BASIN

### LAKE CORPUS CHRISTI NEAR MATHIS—Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1981					
OCT	11,849	399	--	0	.002
NOV	6,952	167	--	0	.002
DEC	6,053	158	--	0	.002
JAN	6,216	172	--	0	.002
FEB	5,797	165	--	0	.002
MAR	6,745	152	--	0	.002
APR	7,475	192	--	0	.002
MAY	176,690	3,640	--	2	.002
JUNE	446,168	19,620	--	13	.003
JULY	161,748	8,840	--	6	.004
AUG	13,949	365	--	0	.002
SEPT	68,416	1,320	--	1	.001
SUMMARY	918,058	35,190	2	23	.003
WATER YEAR 1982					
OCT	104,447	3,420	--	2	.002
NOV	45,088	1,260	--	1	.002
DEC	13,085	363	--	0	.002
JAN	10,972	330	--	0	.002
FEB	9,245	288	--	0	.002
MAR	8,949	231	--	0	.002
APR	7,937	198	--	0	.002
MAY	100,208	2,310	--	2	.002
JUNE	14,366	338	--	0	.002
JULY	11,758	469	--	0	.003
AUG	11,012	344	--	0	.002
SEPT	9,802	238	--	0	.002
SUMMARY	346,869	9,790	1	6	.002

