

TEXAS WATER DEVELOPMENT BOARD

REPORT 45

SUSPENDED-SEDIMENT LOAD OF

TEXAS STREAMS

Compilation Report

October 1961 - September 1963

By

H. M. Cook

April 1967

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Published and distributed  
by the  
Texas Water Development Board  
Post Office Box 12386  
Austin, Texas 78711

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## T E X A S   S T R E A M S

Compilation Report

October 1961 - September 1963

### INTRODUCTION

Report 45 covers the 1962 and 1963 water years, and is a supplement to 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 1961 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 short-period reconnaissance-type determinations are compiled.

This report was prepared under the general direction of John J. Vanderlip, Chief Engineer, and Jack Stearman, Director, Basic Hydrologic Data Division. The extensive tabulations in the report are machine print-outs prepared under the direction of Ivan Stout, Director, Electronic Data Processing Division. Technical review of the report was made by E. A. Adey, III, of the Basic Hydrologic Data Division.

### STATUS OF SUSPENDED-SEDIMENT SAMPLING STATIONS

During the period covered by this report, the Texas Water Commission operated 35 suspended-sediment sampling stations. The Texas Water Development Board has subsequently been assigned responsibilities for State activity in this field of surface-water investigations (beginning September 1, 1965.) Eleven stations were established by the State program during this report period. One station was discontinued at the end of the 1961 water year.

Data resulting from sediment investigations for 13 stations operated by the International Boundary and Water Commission, United States and Mexico, and one station operated by the United States Geological Survey are included in this report.

## COOPERATION

The following agencies cooperated with the Texas Water Commission 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  
Chambers-Liberty Counties Navigation District, Anahuac  
City of Corpus Christi  
U.S. Geological Survey, Water Resources Division, Austin

The International Boundary and Water Commission, United States and Mexico, furnished records for 13 stations in the Rio Grande Basin.

The U.S. Geological Survey, Water Resources Division, Austin, furnished records for one station in the Colorado River Basin.

## 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. Those suspended-sediment sampling stations operated by the Texas Water Development Board at Possum Kingdom Reservoir, Buchanan Reservoir, and Inks Lake, where samples are collected from releases, use computed-release records furnished by the reservoir operators in the determination of estimated suspended-sediment loads.

Monthly streamflow quantities are rounded to four significant figures. Summary values are also rounded, and therefore are not the exact sum of the monthly values.

Samples are collected in 8-ounce narrow-neck bottles at a position approximately 1 foot below the water surface. The percentage of suspended sediment by weight obtained from the sample is multiplied by the factor 1.102 to obtain the mean percentage of the suspended sediment in the vertical. Laboratory determinations were equated to the corresponding streamflow in determining the total suspended-sediment load.

The Texas Water Development Board assumes that the average weight of 1 cubic foot of streamflow is 62.5 pounds and 1 cubic foot of deposited sediment weighs 70 pounds. It therefore follows that:

One acre-foot of streamflow = 1,361.25 tons  
One acre-foot of sediment = 1,524.60 tons

No attempt has been made to estimate or compute that sediment which may be moved by a flowing stream along its bottom and commonly referred to as "bed load".

Sediment and streamflow records of the Pecos River and the Rio Grande were collected by the International Boundary and Water Commission, United States and Mexico. A sediment weight of 66.7 pounds per cubic foot, or 1,452 tons per acre-foot, was used in determining suspended-sediment loads in the Rio Grande Basin.

The U.S. Geological Survey assumes a water density of 62.4 pounds per cubic foot when suspended-sediment samples contain 28,000 parts per million sediment or less. When higher concentrations are encountered, a sliding scale is used. Total suspended-sediment load is reported in tons. Suspended-sediment samples were collected at the station "Colorado River at Columbus" by the depth integration method using a US D-43 sampler.



RECORDS OF SUSPENDED-SEDIMENT LOADS FROM SAMPLING STATIONS

OPERATED BY

TEXAS WATER COMMISSION,

1962 AND 1963 WATER YEARS

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1963 WATER RESOURCES

1963 WATER RESOURCES

SULPHUR RIVER BASIN

SOUTH SULPHUR RIVER NEAR COOPER

Net Drainage Area: 527 square miles.

Location: State Highways 19 and 154 bridge 5.7 miles southeast of Cooper.  
Flow records were obtained from stream gaging station "South Sulphur River near Cooper", at the same location.

Records Available: March 1, 1962 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	66			
NOVEMBER	15,000			
DECEMBER	34,090			
JANUARY	13,590			
FEBRUARY	10,470			
MARCH	5,640	3,410	2	0.044
APRIL	25,690	48,225	32	0.138
MAY	7,280	13,475	9	0.136
JUNE	35,860	85,059	56	0.174
JULY	19,960	25,578	17	0.084
AUGUST	3,410	4,794	3	0.103
SEPTEMBER	68,820	90,793	60	0.097

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	10,050	14,843	10	0.108
NOVEMBER	41,080	27,496	18	0.049
DECEMBER	4,760	2,612	2	0.040
JANUARY	12,920	12,936	8	0.074
FEBRUARY	234	40	0	0.013
MARCH	6,020	12,889	8	0.157
APRIL	8,130	13,514	9	0.122
MAY	12,250	40,220	26	0.241
JUNE	1,180	1,226	1	0.076
JULY	16,640	15,691	10	0.069
AUGUST	44	12	0	0.020
SEPTEMBER	0	0	0	0.000
SUMMARY	113,308	141,479	92	0.092

SULPHUR RIVER BASIN

WHITEOAK CREEK NEAR TALCO

Net Drainage Area: 494 square miles.

Location: U. S. Highway 271 bridge 2.7 miles south of Talco. Flow records were obtained from stream gaging station "Whiteoak Creek near Talco", at the same location.

Records Available: June 1, 1963 to date.

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	10,860			
NOVEMBER	31,640			
DECEMBER	22,330			
JANUARY	20,000			
FEBRUARY	1,780			
MARCH	5,700			
APRIL	8,220			
MAY	38,200			
JUNE	5,200	747	0	0.011
JULY	3,710	674	0	0.013
AUGUST	311	57	0	0.013
SEPTEMBER	98	4	0	0.003

SABINE RIVER BASIN  
SABINE RIVER AT LOGANSFORT

Net Drainage Area: 4,839 square miles (revised).

Location: U. S. Highway 84 bridge at Logansport, Louisiana. Flow records were obtained from stream gaging station "Sabine River at Logansport, Louisiana", located 4600 feet upstream from sampling point.

Records Available: December 1, 1932 to December 27, 1933; September 1, 1935 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	33,470	1,513	1	0.003
NOVEMBER	109,800	16,580	11	0.011
DECEMBER	514,400	30,847	20	0.004
JANUARY	325,900	35,330	23	0.008
FEBRUARY	304,900	25,277	17	0.006
MARCH	311,700	19,948	13	0.005
APRIL	189,100	18,414	12	0.007
MAY	286,300	20,066	13	0.005
JUNE	61,600	5,847	4	0.007
JULY	36,570	4,044	3	0.008
AUGUST	22,260	1,351	1	0.004
SEPTEMBER	42,490	5,099	3	0.009
SUMMARY	2,238,490	184,316	121	0.006

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	30,290	1,447	1	0.004
NOVEMBER	32,950	1,556	1	0.003
DECEMBER	98,460	8,151	5	0.006
JANUARY	82,410	3,147	2	0.003
FEBRUARY	54,370	1,203	1	0.002
MARCH	77,830	3,077	2	0.003
APRIL	61,390	6,169	4	0.007
MAY	240,100	40,725	27	0.012
JUNE	31,310	1,571	1	0.004
JULY	16,580	866	1	0.004
AUGUST	9,260	439	0	0.003
SEPTEMBER	6,580	285	0	0.003
SUMMARY	741,530	68,636	45	0.007

NECHES RIVER BASIN

KICKAPOO CREEK NEAR BROWNSBORO

Net Drainage Area: 232 square miles.

Location: State Farm Road 314 bridge 1 mile northeast of Brownsboro. Flow records were obtained from stream gaging station "Kickapoo Creek near Brownsboro", at the same location.

Records Available: May 1, 1962 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER				
NOVEMBER				
DECEMBER				
JANUARY				
FEBRUARY				
MARCH				
APRIL				
MAY	5,020	118	0	0.002
JUNE	930	25	0	0.002
JULY	1,150	39	0	0.002
AUGUST	1,620	28	0	0.001
SEPTEMBER	180	12	0	0.005

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	588	10	0	0.001
NOVEMBER	1,220	12	0	0.001
DECEMBER	2,150	19	0	0.001
JANUARY	2,750	7	0	0.000
FEBRUARY	2,130	1	0	0.000
MARCH	3,530	23	0	0.000
APRIL	12,600	1,098	1	0.005
MAY	10,820	179	0	0.001
JUNE	338	2	0	0.000
JULY	16	0	0	0.000
AUGUST	0	0	0	0.000
SEPTEMBER	0	0	0	0.000
SUMMARY	36,142	1,351	1	0.003

NECHES RIVER BASIN

PINEY CREEK NEAR GROVETON

Net Drainage Area: 79 square miles.

Location: State Highway 94 bridge 6.5 miles northeast of Groveton. Flow records were obtained from stream gaging station "Piney Creek near Groveton", at the same location.

Records Available: May 1, 1962 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	11			
NOVEMBER	33			
DECEMBER	3,940			
JANUARY	5,230			
FEBRUARY	915			
MARCH	249			
APRIL	876			
MAY	5,650	253	0	0.003
JUNE	59	1	0	0.001
JULY	9	0	0	0.000
AUGUST	9	0	0	0.000
SEPTEMBER	1	0	0	0.000

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	0	0	0	0.000
NOVEMBER	204	22	0	0.008
DECEMBER	1,410	212	0	0.011
JANUARY	818	110	0	0.010
FEBRUARY	2,100	487	0	0.017
MARCH	884	106	0	0.009
APRIL	2,830	339	0	0.009
MAY	51	0	0	0.000
JUNE	8	0	0	0.000
JULY	23	1	0	0.003
AUGUST	0	0	0	0.000
SEPTEMBER	0	0	0	0.000
SUMMARY	8,328	1,277	0	0.011

NECHES RIVER BASIN

NECHES RIVER NEAR ROCKLAND

Net Drainage Area: 3,637 square miles (revised).

Location: U. S. Highway 69 bridge between Woodville and Lufkin. Flow records obtained from stream gaging station "Neches River near Rockland", located 2,200 feet downstream from sampling point.

Records Available: August 8, 1930 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	20,570	821	1	0.002
NOVEMBER	33,440	1,348	1	0.003
DECEMBER	199,800	19,386	13	0.007
JANUARY	173,500	14,336	9	0.006
FEBRUARY	186,400	12,351	8	0.005
MARCH	159,500	4,683	3	0.002
APRIL	110,100	14,397	9	0.010
MAY	365,000	36,944	24	0.007
JUNE	76,330	6,868	5	0.007
JULY	37,760	3,406	2	0.007
AUGUST	15,090	836	1	0.004
SEPTEMBER	21,550	1,415	1	0.005
SUMMARY	1,399,040	116,791	77	0.006

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	13,970	392	0	0.002
NOVEMBER	17,780	785	1	0.003
DECEMBER	70,940	9,355	6	0.010
JANUARY	95,380	5,092	3	0.004
FEBRUARY	86,480	10,813	7	0.009
MARCH	91,840	7,770	5	0.006
APRIL	76,960	7,851	5	0.007
MAY	42,760	3,074	2	0.005
JUNE	29,070	2,664	2	0.007
JULY	13,680	1,752	1	0.009
AUGUST	3,780	275	0	0.005
SEPTEMBER	5,330	919	1	0.013
SUMMARY	547,970	50,742	33	0.007

TRINITY RIVER BASIN

TRINITY RIVER NEAR ROSSER

Net Drainage Area: 8,146 square miles (revised).

Location: State Highway 34 bridge between Rosser and Ennis. Flow records were obtained from stream gaging station "Trinity River near Rosser", at the same location.

Records Available: November 22, 1938 to June 27, 1940; March 1, 1953 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	29,550	11,803	8	0.029
NOVEMBER	36,920	11,142	7	0.022
DECEMBER	68,660	17,367	11	0.019
JANUARY	39,460	3,265	2	0.006
FEBRUARY	48,100	14,819	10	0.023
MARCH	42,370	5,221	3	0.009
APRIL	130,300	115,612	76	0.065
MAY	103,600	31,186	20	0.022
JUNE	62,440	31,619	21	0.037
JULY	198,200	120,702	79	0.045
AUGUST	122,700	48,981	32	0.029
SEPTEMBER	495,200	217,062	142	0.032
SUMMARY	1,377,500	628,779	411	0.034

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	303,100	129,306	85	0.031
NOVEMBER	106,800	63,990	42	0.044
DECEMBER	228,900	83,337	55	0.027
JANUARY	47,180	2,169	1	0.003
FEBRUARY	27,320	490	0	0.001
MARCH	31,170	2,079	1	0.005
APRIL	92,000	160,557	105	0.128
MAY	256,900	140,782	92	0.040
JUNE	104,900	22,134	15	0.016
JULY	25,160	3,870	3	0.011
AUGUST	23,550	1,082	1	0.003
SEPTEMBER	21,300	943	1	0.003
SUMMARY	1,268,280	610,739	401	0.035

TRINITY RIVER BASIN

CHAMBERS CREEK NEAR CORSICANA

Net Drainage Area: 963 square miles.

Location: State Highway 31 bridge 5.3 miles east of Corsicana. Flow records were obtained from stream gaging station "Chambers Creek near Corsicana", at the same location.

Records Available: June 1, 1963 to date.

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	26,790			
NOVEMBER	6,160			
DECEMBER	7,560			
JANUARY	4,150			
FEBRUARY	1,720			
MARCH	3,350			
APRIL	11,940			
MAY	18,590			
JUNE	1,840	564	0	0.023
JULY	82	4	0	0.004
AUGUST	0	0	0	0.000
SEPTEMBER	0	0	0	0.000

TRINITY RIVER BASIN

LONG KING CREEK AT LIVINGSTON

Net Drainage Area: 141 square miles.

Location: U. S. Highway 190 bridge 2 miles west of Livingston. Flow records were obtained from stream gaging station "Long King Creek at Livingston", at the same location.

Records Available: June 1, 1963 to date.

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER				
NOVEMBER				
DECEMBER				
JANUARY	5,800			
FEBRUARY	8,310			
MARCH	2,790			
APRIL	1,900			
MAY	158			
JUNE	131	3	0	0.002
JULY	391	102	0	0.019
AUGUST	30	1	0	0.002
SEPTEMBER	98	8	0	0.006

TRINITY RIVER BASIN

TRINITY RIVER AT ROMAYOR

Net Drainage Area: 17,186 square miles (revised).

Location: State Highway 105 bridge, 2 miles south of Romayor. Flow records were obtained from stream gaging station "Trinity River at Romayor", at the same location.

Records Available: August 10, 1936 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	82,940	4,501	3	0.004
NOVEMBER	126,900	100,567	66	0.058
DECEMBER	548,200	601,083	394	0.081
JANUARY	346,100	205,864	135	0.044
FEBRUARY	243,300	96,427	63	0.029
MARCH	229,000	106,163	70	0.034
APRIL	221,900	173,111	114	0.057
MAY	498,900	431,187	283	0.063
JUNE	159,900	91,328	60	0.042
JULY	158,600	97,027	64	0.045
AUGUST	231,300	137,406	90	0.044
SEPTEMBER	388,400	255,015	167	0.048
SUMMARY	3,235,440	2,299,679	1,509	0.052

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	502,100	275,543	181	0.040
NOVEMBER	137,900	63,028	41	0.034
DECEMBER	485,700	406,178	266	0.061
JANUARY	193,200	55,797	37	0.021
FEBRUARY	179,900	125,542	82	0.051
MARCH	111,000	14,181	9	0.009
APRIL	166,900	101,113	66	0.045
MAY	473,000	367,189	241	0.057
JUNE	158,100	47,488	31	0.022
JULY	58,030	4,083	3	0.005
AUGUST	32,750	1,342	1	0.003
SEPTEMBER	31,410	1,524	1	0.004
SUMMARY	2,529,990	1,463,008	959	0.042

SAN JACINTO RIVER BASIN

WEST FORK SAN JACINTO RIVER NEAR CONROE

Net Drainage Area: 809 square miles (revised).

Location: State Highway 75 bridge, 4 1/2 miles south of Conroe. Flow records were obtained from stream gaging station "West Fort San Jacinto River near Conroe", at the same location.

Records Available: December 1, 1952 to May 31, 1960; erratic record thereafter to April 25, 1962.

Note: This station replaced the Humble station which was discontinued April 30, 1952.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	3,430	435	0	0.009
NOVEMBER	7,150	849	1	0.009
DECEMBER	17,020	1,786	1	0.009
JANUARY	29,570	4,011	3	0.010
FEBRUARY	14,730	1,299	1	0.006
MARCH	8,610	188	0	0.002
APRIL	12,030			
MAY	9,530			
JUNE	5,550			
JULY	1,770			
AUGUST	1,120			
SEPTEMBER	2,840			

SAN JACINTO RIVER BASIN

EAST FORK SAN JACINTO RIVER NEAR CLEVELAND

Net Drainage Area: 325 square miles (revised).

Location: State Highway 105 bridge about one mile southwest of Cleveland. Flow records were obtained from stream gaging station "East Fork San Jacinto River near Cleveland", at the same location.

Records Available: December 1, 1952 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	3,440	202	0	0.004
NOVEMBER	4,060	168	0	0.003
DECEMBER	7,700	1,355	1	0.013
JANUARY	10,570	1,292	1	0.009
FEBRUARY	5,520	672	0	0.009
MARCH	5,280	534	0	0.007
APRIL	10,460	2,558	2	0.018
MAY	4,730	701	0	0.011
JUNE	2,310	276	0	0.009
JULY	1,230	126	0	0.008
AUGUST	906	106	0	0.009
SEPTEMBER	2,870	281	0	0.007
SUMMARY	59,076	8,271	4	0.010

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	1,380	27	0	0.001
NOVEMBER	2,920	818	1	0.021
DECEMBER	32,810	11,378	7	0.025
JANUARY	17,100	2,199	1	0.009
FEBRUARY	16,670	5,018	3	0.022
MARCH	6,500	1,170	1	0.013
APRIL	3,840	388	0	0.007
MAY	1,110	47	0	0.003
JUNE	2,030	184	0	0.007
JULY	2,180	177	0	0.006
AUGUST	742	34	0	0.003
SEPTEMBER	1,150	55	0	0.004
SUMMARY	88,432	21,495	13	0.018

BRAZOS RIVER BASIN

BRAZOS RIVER NEAR SOUTH BEND

Net Drainage Area: 12,360 square miles (revised).

Location: State Highway 67 bridge 2 miles northeast of South Bend. Flow records were obtained from stream gaging station "Brazos River near South Bend", at the same location.

Records Available: January 15, 1942 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	10,910	2,004	1	0.013
NOVEMBER	29,480	56,779	37	0.141
DECEMBER	9,570	1,317	1	0.010
JANUARY	5,600	107	0	0.001
FEBRUARY	3,230	56	0	0.001
MARCH	5,800	1,876	1	0.024
APRIL	5,660	469	0	0.006
MAY	5,140	23,061	15	0.230
JUNE	248,000	1,674,441	1,098	0.456
JULY	40,850	119,891	79	0.216
AUGUST	20,930	212,643	139	0.746
SEPTEMBER	370,800	262,822	172	0.052
SUMMARY	755,970	2,355,466	1,543	0.229

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	34,380	48,445	32	0.104
NOVEMBER	50,240	283,357	186	0.414
DECEMBER	28,070	16,070	11	0.042
JANUARY	7,280	824	1	0.008
FEBRUARY	5,610	206	0	0.003
MARCH	7,500	16,159	11	0.158
APRIL	43,550	228,322	150	0.385
MAY	71,050	812,566	533	0.840
JUNE	213,400	3,947,430	2,589	1.359
JULY	14,400	11,665	8	0.060
AUGUST	4,280	415	0	0.007
SEPTEMBER	16,020	217,587	143	0.998
SUMMARY	495,780	5,583,046	3,664	0.827

BRAZOS RIVER BASIN

POSSUM KINGDOM RESERVOIR NEAR GRAFORD

Net Drainage Area: 13,310 square miles.

Location: Samples taken in tailrace and over spillway. Flow records were obtained from computed releases as determined by Brazos River Authority.

Records Available: January 15, 1942 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	28,055	406	0	0.001
NOVEMBER	10,240	38	0	0.000
DECEMBER	18,740	0	0	0.000
JANUARY	23,525	170	0	0.001
FEBRUARY	18,475	75	0	0.000
MARCH	18,290	162	0	0.001
APRIL	6,860	0	0	0.000
MAY	2,455	180	0	0.005
JUNE	124,045	309	0	0.000
JULY	95,325	7,444	5	0.006
AUGUST	79,510	630	0	0.001
SEPTEMBER	368,770	697	0	0.000
SUMMARY	794,290	10,111	5	0.001

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	41,560	38	0	0.000
NOVEMBER	39,865	20	0	0.000
DECEMBER	53,925	95	0	0.000
JANUARY	41,660	20	0	0.000
FEBRUARY	19,660	0	0	0.000
MARCH	5,070	4	0	0.000
APRIL	3,195	7	0	0.000
MAY	42,635	654	0	0.001
JUNE	214,935	1,729	1	0.001
JULY	58,635	287	0	0.000
AUGUST	35,460	355	0	0.001
SEPTEMBER	12,750	70	0	0.000
SUMMARY	569,350	3,279	1	0.000

BRAZOS RIVER BASIN

AQUILLA CREEK NEAR AQUILLA

Net Drainage Area: 306 square miles.

Location: Farm Road 1304 bridge 1 mile southeast of Aquilla. Flow records were obtained from stream gaging station "Aquilla Creek near Aquilla", at the same location.

Records Available: June 1, 1963 to date.

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	13,910			
NOVEMBER	372			
DECEMBER	1,050			
JANUARY	745			
FEBRUARY	400			
MARCH	356			
APRIL	1,100			
MAY	1,500			
JUNE	33	1	0	0.002
JULY	4	0	0	0.000
AUGUST	0	0	0	0.000
SEPTEMBER	0	0	0	0.000

BRAZOS RIVER BASIN

NORTH BOSQUE RIVER AT HICO

Net Drainage Area: 357 square miles.

Location: U. S. Highway 281 bridge near south boundary of Hico. Flow records were obtained from stream gaging station "North Bosque River at Hico", at the same location.

Records Available: April 1, 1962 to date.

WATER YEAR 1962.

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER				
NOVEMBER				
DECEMBER				
JANUARY	492			
FEBRUARY	403			
MARCH	310			
APRIL	680	65	0	0.007
MAY	51	0	0	0.000
JUNE	606	587	0	0.071
JULY	163	25	0	0.011
AUGUST	4	0	0	0.000
SEPTEMBER	3,680	630	0	0.013

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	8,210	20,263	13	0.181
NOVEMBER	398	24	0	0.004
DECEMBER	194	0	0	0.000
JANUARY	140	1	0	0.001
FEBRUARY	99	0	0	0.000
MARCH	112	0	0	0.000
APRIL	1,260	1,733	1	0.101
MAY	3,990	12,176	8	0.224
JUNE	2,650	6,146	4	0.170
JULY	26	0	0	0.000
AUGUST	0	0	0	0.000
SEPTEMBER	27	2	0	0.005
SUMMARY	17,106	40,345	26	0.173

BRAZOS RIVER BASIN

LEON RIVER AT GATESVILLE

Net Drainage Area: 2,365 square miles (revised).

Location: U. S. Highway 84 bridge 1 mile west of Gatesville. Flow records were obtained from stream gaging station "Leon River at Gatesville", at the same location.

Records Available: March 1, 1953 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	64,320	119,605	78	0.137
NOVEMBER	17,030	5,270	3	0.023
DECEMBER	13,270	1,406	1	0.008
JANUARY	7,500	134	0	0.001
FEBRUARY	5,260	471	0	0.007
MARCH	4,710	445	0	0.007
APRIL	4,860	531	0	0.008
MAY	2,610	382	0	0.011
JUNE	6,870	18,517	12	0.198
JULY	5,050	7,264	5	0.106
AUGUST	6,640	10,362	7	0.115
SEPTEMBER	65,260	113,719	75	0.128
SUMMARY	203,380	278,106	181	0.100

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	15,820	16,288	11	0.076
NOVEMBER	5,920	1,846	1	0.023
DECEMBER	5,230	6,065	4	0.085
JANUARY	3,300	262	0	0.006
FEBRUARY	2,670	202	0	0.006
MARCH	3,260	1,233	1	0.028
APRIL	2,060	372	0	0.013
MAY	12,800	25,985	17	0.149
JUNE	25,310	27,863	18	0.081
JULY	7,250	3,075	2	0.031
AUGUST	228	2	0	0.001
SEPTEMBER	1,150	147	0	0.009
SUMMARY	84,998	83,340	54	0.072

BRAZOS RIVER BASIN  
YEGUA CREEK NEAR SOMERVILLE

Net Drainage Area: 1,008 square miles.

Location: State Highway 36 bridge 2 miles south of Somerville. Flow records were obtained from stream gaging station "Yegua Creek near Somerville", at the same location.

Records Available: June 1, 1962 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	2,390			
NOVEMBER	18,260			
DECEMBER	11,600			
JANUARY	12,080			
FEBRUARY	4,880			
MARCH	4,870			
APRIL	3,890			
MAY	6,770			
JUNE	8,920	1,750	1	0.014
JULY	9,110	843	1	0.007
AUGUST	2	0	0	0.000
SEPTEMBER	12,100	1,585	1	0.010

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	14,690	1,823	1	0.009
NOVEMBER	24,500	4,830	3	0.014
DECEMBER	58,380	4,462	3	0.006
JANUARY	11,580	1,246	1	0.008
FEBRUARY	37,700	7,248	5	0.014
MARCH	3,710	400	0	0.008
APRIL	16,680	1,717	1	0.008
MAY	1,440	219	0	0.011
JUNE	290	47	0	0.012
JULY	155	51	0	0.024
AUGUST	0	0	0	0.000
SEPTEMBER	307	197	0	0.047
SUMMARY	169,432	22,240	14	0.010

BRAZOS RIVER BASIN

NAVASOTA RIVER NEAR EASTERLY

Net Drainage Area: 940 square miles (revised).

Location: U. S. Highway 79 bridge 7 miles northeast of Easterly. Flow records were obtained from stream gaging station "Navasota River near Easterly" at the same location.

Records Available: January 1, 1942 to date except for missing periods, February through September 1954; April through August 1958; June through August 1959.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	2,330	417	0	0.013
NOVEMBER	5,280	1,728	1	0.024
DECEMBER	25,390	5,932	4	0.017
JANUARY	19,420	8,761	6	0.033
FEBRUARY	8,160	1,407	1	0.013
MARCH	5,460	324	0	0.004
APRIL	19,160	7,624	5	0.029
MAY	18,340	2,441	2	0.010
JUNE	15,110	4,970	3	0.024
JULY	2,420	785	1	0.024
AUGUST	86	0	0	0.000
SEPTEMBER	227	21	0	0.007
SUMMARY	121,383	34,410	23	0.021

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	1,190	649	0	0.040
NOVEMBER	1,420	493	0	0.026
DECEMBER	1,080	158	0	0.011
JANUARY	666	33	0	0.004
FEBRUARY	2,200	738	0	0.025
MARCH	1,670	195	0	0.009
APRIL	1,340	235	0	0.013
MAY	1,010	516	0	0.038
JUNE	288	42	0	0.011
JULY	190	15	0	0.006
AUGUST	50	0	0	0.000
SEPTEMBER	95	4	0	0.003
SUMMARY	11,199	3,078	0	0.020

BRAZOS RIVER BASIN

BRAZOS RIVER AT RICHMOND

Net Drainage Area: 34,780 square miles.

Location: U. S. Highway 59 bridge on northeast edge of Richmond. Flow records were obtained from stream gaging station "Brazos River at Richmond", at the same location.

Records Available: June 11, 1924 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	366,500	531,369	349	0.107
NOVEMBER	367,800	423,472	278	0.085
DECEMBER	414,800	439,930	289	0.078
JANUARY	245,800	130,509	86	0.039
FEBRUARY	217,200	65,888	43	0.022
MARCH	147,100	19,586	13	0.010
APRIL	112,900	17,551	12	0.011
MAY	188,000	189,240	124	0.074
JUNE	304,400	612,559	402	0.148
JULY	180,500	204,841	134	0.083
AUGUST	272,300	358,226	235	0.097
SEPTEMBER	446,400	988,017	648	0.163
SUMMARY	3,263,700	3,981,188	2,613	0.090

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	300,500	419,049	275	0.102
NOVEMBER	146,400	174,540	114	0.088
DECEMBER	380,200	790,032	518	0.153
JANUARY	224,800	132,738	87	0.043
FEBRUARY	218,300	416,803	273	0.140
MARCH	110,200	19,386	13	0.013
APRIL	163,600	220,052	144	0.099
MAY	80,170	12,123	8	0.011
JUNE	185,800	100,431	66	0.040
JULY	119,900	25,534	17	0.016
AUGUST	33,800	2,323	2	0.005
SEPTEMBER	34,030	1,827	1	0.004
SUMMARY	1,997,700	2,314,838	1,518	0.085

COLORADO RIVER BASIN

COLORADO RIVER NEAR SAN SABA

Net Drainage Area: 18,700 square miles.

Location: U. S. Highway 190 bridge 9.2 miles east of San Saba. Flow records were obtained from stream gaging station "Colorado River near San Saba", at the same location.

Records Available: September 11, 1930 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	78,940	224,685	147	0.209
NOVEMBER	23,580	2,976	2	0.009
DECEMBER	19,960	878	1	0.003
JANUARY	14,190	131	0	0.001
FEBRUARY	11,320	356	0	0.002
MARCH	10,660	613	0	0.004
APRIL	13,450	1,736	1	0.009
MAY	6,110	909	1	0.011
JUNE	20,280	2,613	2	0.009
JULY	34,690	10,070	7	0.021
AUGUST	19,820	3,026	2	0.011
SEPTEMBER	115,100	543,702	357	0.347
SUMMARY	368,100	791,695	520	0.158

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	86,950	285,686	187	0.241
NOVEMBER	12,150	1,585	1	0.010
DECEMBER	8,170	468	0	0.004
JANUARY	7,540	193	0	0.002
FEBRUARY	6,710	268	0	0.003
MARCH	5,560	722	0	0.010
APRIL	3,600	487	0	0.010
MAY	71,370	159,117	104	0.164
JUNE	107,900	297,344	195	0.202
JULY	7,630	1,616	1	0.016
AUGUST	2,080	179	0	0.006
SEPTEMBER	3,220	434	0	0.010
SUMMARY	322,880	748,099	488	0.170

COLORADO RIVER BASIN

BUCHANAN RESERVOIR NEAR BURNET

Net Drainage Area: 19,350 square miles.

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

Records Available: October 1, 1947 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	83,000	750	0	0.001
NOVEMBER	53,000	883	1	0.001
DECEMBER	65,000	1,241	1	0.001
JANUARY	67,000	1,193	1	0.001
FEBRUARY	19,700	444	0	0.002
MARCH	6,200	281	0	0.003
APRIL	3,600	81	0	0.002
MAY	11,000	174	0	0.001
JUNE	17,400	408	0	0.002
JULY	49,800	180	0	0.000
AUGUST	70,800	314	0	0.000
SEPTEMBER	95,000	181	0	0.000
SUMMARY	541,500	6,127	3	0.001

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	133,000	886	1	0.000
NOVEMBER	11,540	17	0	0.000
DECEMBER	3,205	29	0	0.001
JANUARY	6,688	338	0	0.004
FEBRUARY	36,146	565	0	0.001
MARCH	5,673	41	0	0.001
APRIL	9,486	93	0	0.001
MAY	6,094	39	0	0.000
JUNE	6,329	72	0	0.001
JULY	20,343	184	0	0.001
AUGUST	28,013	130	0	0.000
SEPTEMBER	13,764	13	0	0.000
SUMMARY	280,281	2,407	1	0.001

COLORADO RIVER BASIN

INKS LAKE NEAR BURNET

Net Drainage Area: 19,390 square miles.

Location: Tailrace at Inks Dam. Flow records were obtained from computed releases determined by Lower Colorado River Authority.

Records Available: August 1, 1942 to November 31, 1951; July 1, 1955 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	82,000	532	0	0.000
NOVEMBER	53,000	197	0	0.000
DECEMBER	65,500	63	0	0.000
JANUARY	65,500	255	0	0.000
FEBRUARY	25,500	0	0	0.000
MARCH	0	0	0	0.000
APRIL	4,600	0	0	0.000
MAY	11,700	115	0	0.001
JUNE	18,100	102	0	0.000
JULY	49,300	298	0	0.000
AUGUST	70,800	0	0	0.000
SEPTEMBER	93,000	93	0	0.000
SUMMARY	539,000	1,655	0	0.000

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	131,000	256	0	0.000
NOVEMBER	17,600	9	0	0.000
DECEMBER	3,920	0	0	0.000
JANUARY	7,346	72	0	0.001
FEBRUARY	18,431	593	0	0.002
MARCH	75	0	0	0.000
APRIL	3,742	23	0	0.000
MAY	213	0	0	0.000
JUNE	197	0	0	0.000
JULY	8,173	133	0	0.001
AUGUST	12,699	80	0	0.000
SEPTEMBER	5,784	37	0	0.000
SUMMARY	209,180	1,203	0	0.000

COLORADO RIVER BASIN

LLANO RIVER AT LLANO

Net Drainage Area: 4,233 square miles.

Location: 0.4 mile downstream from State Highway 16 bridge in downtown Llano.  
Flow records were obtained from stream gaging station "Llano River at Llano", at the same location.

Records Available: August 1, 1942 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	12,570	145	0	0.001
NOVEMBER	11,690	180	0	0.001
DECEMBER	12,360	94	0	0.001
JANUARY	11,140	184	0	0.001
FEBRUARY	8,760	16	0	0.000
MARCH	8,810	114	0	0.001
APRIL	11,280	237	0	0.002
MAY	6,040	216	0	0.003
JUNE	11,670	241	0	0.002
JULY	3,630	0	0	0.000
AUGUST	2,360	3	0	0.000
SEPTEMBER	4,390	73	0	0.001
SUMMARY	104,700	1,503	0	0.001

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	5,480	54	0	0.001
NOVEMBER	5,690			
DECEMBER	6,830	34	0	0.000
JANUARY	5,930	14	0	0.000
FEBRUARY	5,840	19	0	0.000
MARCH	6,130	98	0	0.001
APRIL	4,890	72	0	0.001
MAY	10,830	275	0	0.002
JUNE	4,620	72	0	0.001
JULY	1,880	34	0	0.001
AUGUST	3,360	46	0	0.001
SEPTEMBER	6,030	248	0	0.003

COLORADO RIVER BASIN

PEDERNALES RIVER NEAR JOHNSON CITY

Net Drainage Area: 947 square miles.

Location: U. S. Highway 281 bridge about 1.1 miles northeast of Johnson City.  
Flow records were obtained from stream gaging station "Pedernales River near Johnson City", at the same location.

Records Available: August 1, 1942 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	2,750	44	0	0.001
NOVEMBER	4,170	130	0	0.002
DECEMBER	3,120	23	0	0.001
JANUARY	2,540	30	0	0.001
FEBRUARY	2,040	3	0	0.000
MARCH	2,020	41	0	0.001
APRIL	4,270	277	0	0.005
MAY	7,900	19,235	13	0.179
JUNE	15,400	20,729	14	0.059
JULY	1,000	56	0	0.004
AUGUST	638	109	0	0.013
SEPTEMBER	1,680	266	0	0.012
SUMMARY	47,528	40,943	27	0.063

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	3,300	1,047	1	0.023
NOVEMBER	1,260	44	0	0.003
DECEMBER	1,580	25	0	0.001
JANUARY	1,160	13	0	0.001
FEBRUARY	1,110	54	0	0.004
MARCH	713	17	0	0.002
APRIL	849	35	0	0.003
MAY	3,180	13,715	9	0.317
JUNE	828	52	0	0.005
JULY	227	1	0	0.000
AUGUST	17	0	0	0.000
SEPTEMBER	1,940	683	0	0.026
SUMMARY	16,164	15,686	10	0.071

COLORADO RIVER BASIN  
COLORADO RIVER AT AUSTIN

Net Drainage Area: 26,500 square miles.

Location: U. S. Highway 183 bridge. Flow records were obtained from stream gaging station "Colorado River at Austin", at the same location.

Records Available: August 2, 1937 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	52,170	6,415	4	0.009
NOVEMBER	172,200	9,934	7	0.004
DECEMBER	181,900	14,581	10	0.006
JANUARY	99,240	4,822	3	0.004
FEBRUARY	13,400	2,124	1	0.012
MARCH	10,780	1,516	1	0.010
APRIL	23,140	1,231	1	0.004
MAY	85,660			
JUNE	112,000			
JULY	116,800			
AUGUST	104,700			
SEPTEMBER	51,410			

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	17,380	4,044	3	0.017
NOVEMBER	24,660	3,074	2	0.009
DECEMBER	38,310	5,977	4	0.011
JANUARY	35,200	3,679	2	0.008
FEBRUARY	42,600	4,037	3	0.007
MARCH	14,980	2,370	2	0.012
APRIL	66,160	9,846	6	0.011
MAY	100,300	11,617	8	0.009
JUNE	118,800	13,334	9	0.008
JULY	111,700	11,524	8	0.008
AUGUST	107,100	9,410	6	0.006
SEPTEMBER	86,980	5,994	4	0.005
SUMMARY	764,170	84,906	57	0.008

## LAVACA RIVER BASIN

## LAVACA RIVER NEAR EDNA

Net Drainage Area: 887 square miles.

Location: U. S. Highway 59 bridge, 2.8 miles southwest of Edna. Flow records were obtained from stream gaging station "Lavaca River near Edna", at the same location.

Records Available: September 1, 1945 to date.

## WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	9,670	5,829	4	0.044
NOVEMBER	65,270	29,288	19	0.033
DECEMBER	7,710	908	1	0.009
JANUARY	5,900	1,002	1	0.012
FEBRUARY	5,350	3,940	3	0.054
MARCH	4,460	631	0	0.010
APRIL	37,160	43,812	29	0.087
MAY	5,910	1,041	1	0.013
JUNE	14,230	12,006	8	0.062
JULY	3,350	1,273	1	0.028
AUGUST	1,290	267	0	0.015
SEPTEMBER	9,160	9,718	6	0.078
SUMMARY	169,460	109,715	73	0.048

## WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	3,610	8,040	5	0.164
NOVEMBER	2,120	336	0	0.012
DECEMBER	3,710	1,414	1	0.028
JANUARY	5,100	6,498	4	0.094
FEBRUARY	17,670	24,626	16	0.102
MARCH	3,040	250	0	0.006
APRIL	1,780	351	0	0.014
MAY	1,810	1,096	1	0.044
JUNE	1,730	694	0	0.029
JULY	4,450	4,927	3	0.081
AUGUST	462	76	0	0.012
SEPTEMBER	391	18	0	0.003
SUMMARY	45,873	48,326	30	0.077

## LAVACA RIVER BASIN

## NAVIDAD RIVER NEAR HALLETTSVILLE

Net Drainage Area: 333 square miles.

Location: U. S. Highway 90A bridge 8 miles east-northeast of Hallettsville.  
Flow records were obtained from stream gaging station "Navidad River near Hallettsville", at the same location.

Records Available: March 1, 1962 to date.

## WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	2,900			
NOVEMBER	11,820			
DECEMBER	3,180			
JANUARY	4,210			
FEBRUARY	4,590			
MARCH	2,920	356	0	0.009
APRIL	13,570	6,484	4	0.035
MAY	2,670	293	0	0.008
JUNE	4,080	3,611	2	0.065
JULY	996	119	0	0.009
AUGUST	279	20	0	0.005
SEPTEMBER	1,930	585	0	0.022

## WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	433	53	0	0.009
NOVEMBER	566	66	0	0.009
DECEMBER	2,090	276	0	0.010
JANUARY	1,360	68	0	0.004
FEBRUARY	7,100	15,439	10	0.160
MARCH	1,310	132	0	0.007
APRIL	930	111	0	0.009
MAY	381	21	0	0.004
JUNE	661	501	0	0.056
JULY	3,870	5,592	4	0.106
AUGUST	80	2	0	0.002
SEPTEMBER	42	0	0	0.000
SUMMARY	18,823	22,261	14	0.087

GUADALUPE RIVER BASIN

GUADALUPE RIVER NEAR SPRING BRANCH

Net Drainage Area: 1,282 square miles.

Location: Ranch Road 311 bridge, 2.0 miles southeast of Spring Branch. Flow records were obtained from stream gaging station "Guadalupe River near Spring Branch", at the same location.

Records Available: January 1, 1942 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	6,550	268	0	0.003
NOVEMBER	7,310	150	0	0.002
DECEMBER	7,010	114	0	0.001
JANUARY	6,470	140	0	0.002
FEBRUARY	5,920	137	0	0.002
MARCH	5,890	89	0	0.001
APRIL	7,210	266	0	0.003
MAY	5,920	898	1	0.011
JUNE	9,080	7,857	5	0.064
JULY	2,150	120	0	0.004
AUGUST	740	37	0	0.004
SEPTEMBER	2,840	1,431	1	0.037
SUMMARY	67,090	11,507	7	0.013

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	4,710	1,381	1	0.022
NOVEMBER	4,080	864	1	0.016
DECEMBER	5,050	243	0	0.004
JANUARY	4,130	107	0	0.002
FEBRUARY	3,480	155	0	0.003
MARCH	3,690	164	0	0.003
APRIL	6,540	3,010	2	0.034
MAY	3,020	199	0	0.005
JUNE	1,570	73	0	0.003
JULY	658	17	0	0.002
AUGUST	199	4	0	0.001
SEPTEMBER	505	21	0	0.003
SUMMARY	37,632	6,238	4	0.012

GUADALUPE RIVER BASIN

GUADALUPE RIVER AT VICTORIA

Net Drainage Area: 5,161 square miles.

Location: U. S. Highway 59 bridge in Victoria. Flow records were obtained from stream gaging station "Guadalupe River at Victoria", at the same location.

Records Available: September 1, 1945 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	63,640	5,108	3	0.006
NOVEMBER	133,000	38,570	25	0.021
DECEMBER	61,280	2,613	2	0.003
JANUARY	55,700	2,158	1	0.003
FEBRUARY	50,120	3,413	2	0.005
MARCH	48,020	3,064	2	0.005
APRIL	56,210	5,931	4	0.008
MAY	45,860	4,189	3	0.007
JUNE	52,400	5,723	4	0.008
JULY	31,440	2,319	2	0.005
AUGUST	20,410	1,555	1	0.006
SEPTEMBER	43,750	8,941	6	0.015
SUMMARY	661,870	83,584	55	0.009

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	40,050	5,766	4	0.011
NOVEMBER	40,890	6,148	4	0.011
DECEMBER	49,470	21,797	14	0.032
JANUARY	42,880	4,252	3	0.007
FEBRUARY	57,950	31,422	21	0.040
MARCH	40,780	5,901	4	0.011
APRIL	43,920	12,925	8	0.022
MAY	30,090	4,525	3	0.011
JUNE	21,900	3,887	3	0.013
JULY	18,680	3,030	2	0.012
AUGUST	10,600	1,032	1	0.007
SEPTEMBER	11,940	1,150	1	0.007
SUMMARY	409,150	101,835	68	0.018

SAN ANTONIO RIVER BASIN  
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 were obtained from stream gaging station "Cibolo Creek near Falls City", at the same location.

Records Available: June 1, 1963 to date.

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	764			
NOVEMBER	1,760			
DECEMBER	1,850			
JANUARY	1,150			
FEBRUARY	3,410			
MARCH	1,100			
APRIL	1,310			
MAY	832			
JUNE	409	16	0	0.003
JULY	343	11	0	0.002
AUGUST	243	6	0	0.002
SEPTEMBER	402	30	0	0.005

SAN ANTONIO RIVER BASIN

SAN ANTONIO RIVER AT GOLIAD

Net Drainage Area: 3,921 square miles (revised).

Location: U. S. Highway 183 bridge in Goliad. Flow records were obtained from stream gaging station "San Antonio River at Goliad", at the same location.

Records Available: January 1, 1942 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	34,090	33,327	22	0.072
NOVEMBER	47,550	49,795	33	0.077
DECEMBER	21,050	1,561	1	0.005
JANUARY	20,350	2,150	1	0.008
FEBRUARY	18,070	6,467	4	0.026
MARCH	15,040	1,940	1	0.009
APRIL	19,440	8,020	5	0.030
MAY	15,480	7,708	5	0.037
JUNE	41,460	67,390	44	0.119
JULY	10,190	5,145	3	0.037
AUGUST	8,990	3,668	2	0.030
SEPTEMBER	18,910	21,883	14	0.085
SUMMARY	270,620	209,054	135	0.057

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	9,390	980	1	0.008
NOVEMBER	13,990	14,334	9	0.075
DECEMBER	23,270	38,027	25	0.120
JANUARY	13,220	1,661	1	0.009
FEBRUARY	21,380	28,924	19	0.099
MARCH	12,200	1,481	1	0.009
APRIL	12,450	5,884	4	0.035
MAY	9,450	8,270	5	0.064
JUNE	7,490	3,771	2	0.037
JULY	6,980	1,902	1	0.020
AUGUST	2,940	68	0	0.002
SEPTEMBER	8,930	10,551	7	0.087
SUMMARY	141,690	115,853	75	0.060

NUECES RIVER BASIN

NUECES RIVER AT COTULLA

Net Drainage Area: 5,260 square miles.

Location: U. S. Highway 81 bridge at Cotulla. Flow records were obtained from streamflow gaging station "Nueces River at Cotulla", at the same location.

Records Available: January 1, 1942 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	28	0	0	0.000
NOVEMBER	461	11	0	0.002
DECEMBER	1,220	27	0	0.002
JANUARY	410	8	0	0.001
FEBRUARY	12	0	0	0.000
MARCH	0	0	0	0.000
APRIL	33	1	0	0.002
MAY	1	0	0	0.000
JUNE	787	460	0	0.043
JULY	0	0	0	0.000
AUGUST	0	0	0	0.000
SEPTEMBER	0	0	0	0.000
SUMMARY	2,952	507	0	0.013

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	0	0	0	0.000
NOVEMBER	3,350	1,034	1	0.023
DECEMBER	1	0	0	0.000
JANUARY	0	0	0	0.000
FEBRUARY	0	0	0	0.000
MARCH	0	0	0	0.000
APRIL	3,900	481	0	0.009
MAY	10,630	2,939	2	0.020
JUNE	511	57	0	0.008
JULY	39	1	0	0.002
AUGUST	0	0	0	0.000
SEPTEMBER	1,010	236	0	0.017
SUMMARY	19,441	4,748	3	0.018

NUECES RIVER BASIN

FRIO RIVER AT CALLIHAM

Net Drainage Area: 5,491 square miles.

Location: Farm Road 99 bridge, 1 mile north of Calliham. Flow records were obtained from stream gaging station "Frio River at Calliham", located about 2500 feet upstream from sampling point.

Records Available: January 1, 1953 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	1,260	159	0	0.009
NOVEMBER	759	45	0	0.004
DECEMBER	629	27	0	0.003
JANUARY	1,170	45	0	0.003
FEBRUARY	805	32	0	0.003
MARCH	596	26	0	0.003
APRIL	730	48	0	0.005
MAY	1,300	140	0	0.008
JUNE	6,870	17,188	11	0.184
JULY	115	16	0	0.010
AUGUST	0	0	0	0.000
SEPTEMBER	44	0	0	0.000
SUMMARY	14,278	17,726	11	0.091

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	0	0	0	0.000
NOVEMBER	0	0	0	0.000
DECEMBER	32	34	0	0.078
JANUARY	31	2	0	0.005
FEBRUARY	806	1,003	1	0.091
MARCH	20	3	0	0.011
APRIL	0	0	0	0.000
MAY	4,220	5,225	3	0.091
JUNE	17,350	23,003	15	0.097
JULY	2,430	2,417	2	0.073
AUGUST	0	0	0	0.000
SEPTEMBER	748	630	0	0.062
SUMMARY	25,637	32,317	21	0.093

NUECES RIVER BASIN

NUECES RIVER NEAR MATHIS

Net Drainage Area: 16,660 square miles (revised).

Location: State Highway 359 bridge about 0.6 mile downstream from Wesley E. Seale Dam. Flow records were obtained from stream gaging station "Nueces River near Mathis", at the same location.

Records Available: February 2, 1942 to date (June 1958 through June 1961 were found to be invalid).

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	6,780	246	0	0.003
NOVEMBER	6,250	190	0	0.002
DECEMBER	6,260	94	0	0.001
JANUARY	6,570	148	0	0.002
FEBRUARY	6,240	81	0	0.001
MARCH	5,880	216	0	0.003
APRIL	6,360	470	0	0.005
MAY	8,180	256	0	0.002
JUNE	6,140	433	0	0.005
JULY	8,200	287	0	0.003
AUGUST	7,840	221	0	0.002
SEPTEMBER	5,400	203	0	0.003
SUMMARY	80,100	2,845	0	0.003

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	6,580	231	0	0.003
NOVEMBER	4,970	125	0	0.002
DECEMBER	4,030	102	0	0.002
JANUARY	5,430	102	0	0.001
FEBRUARY	4,630	44	0	0.001
MARCH	5,540	125	0	0.002
APRIL	6,570	342	0	0.004
MAY	8,950	617	0	0.005
JUNE	7,640	483	0	0.005
JULY	8,810	300	0	0.003
AUGUST	9,650	192	0	0.001
SEPTEMBER	6,440	106	0	0.001
SUMMARY	79,240	2,769	0	0.003



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RIO GRANDE BASIN

RIO GRANDE AT EL PASO

Net Drainage Area: 29,267 square miles (all in U. S.).

Location: Courchesne bridge between El Paso, Texas and Cd. Juarez, Chihuahua.  
Flow records were obtained from the stream gaging station "Rio Grande at El Paso", at the same location.

Records Available: September 1, 1947 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	7,490	613	0	0.006
NOVEMBER	5,830	327	0	0.004
DECEMBER	7,190	497	0	0.005
JANUARY	5,010	436	0	0.006
FEBRUARY	3,690	663	0	0.013
MARCH	46,500	51,800	36	0.082
APRIL	35,860	12,100	8	0.025
MAY	34,690	12,600	9	0.027
JUNE	52,130	22,400	15	0.032
JULY	63,860	108,000	74	0.124
AUGUST	62,940	45,700	32	0.053
SEPTEMBER	41,200	48,400	33	0.087
SUMMARY	366,390	303,536	207	0.061

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	13,310	3,570	3	0.020
NOVEMBER	8,850	635	0	0.005
DECEMBER	8,090	1,710	1	0.016
JANUARY	6,070	344	0	0.004
FEBRUARY	4,260	327	0	0.006
MARCH	48,430	76,500	53	0.116
APRIL	32,720	11,600	8	0.026
MAY	22,190	5,560	4	0.018
JUNE	41,190	18,600	13	0.033
JULY	48,060	30,500	21	0.047
AUGUST	29,430	2,940	2	0.007
SEPTEMBER	16,530	1,600	1	0.007
SUMMARY	279,130	153,886	106	0.041

RIO GRANDE BASIN

RIO GRANDE AT LOWER PRESIDIO STATION

Net Drainage Area: 66,203 square miles (34,098 square miles in U. S. and 32,105 square miles in Mexico).

Location: Cable Car 10.1 miles downstream from the International Highway bridge between Presidio, Texas and Ojinaga, Chihuahua, Mexico. Flow records were obtained from stream gaging station "Rio Grande at Lower Presidio Station", at the same location.

Records Available: October 1, 1949 to date (Prior to January 1, 1955 samples were taken 11.8 miles upstream from present sampling site).

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	50,000	238,000	164	0.350
NOVEMBER	30,800	1,920	1	0.005
DECEMBER	29,300	2,690	2	0.007
JANUARY	29,840	4,780	3	0.012
FEBRUARY	21,560	5,150	4	0.018
MARCH	20,190	2,530	2	0.009
APRIL	9,280	174	0	0.001
MAY	8,570	538	0	0.005
JUNE	21,880	170,000	117	0.573
JULY	73,630	571,000	393	0.570
AUGUST	20,120	31,700	22	0.116
SEPTEMBER	135,870	1,602,000	1,100	0.868
SUMMARY	451,040	2,630,482	1,808	0.430

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	79,950	211,000	145	0.195
NOVEMBER	38,620	19,100	13	0.036
DECEMBER	38,510	18,500	13	0.035
JANUARY	32,640	2,330	2	0.005
FEBRUARY	19,720	929	1	0.003
MARCH	15,790	588	0	0.003
APRIL	10,370	2,900	2	0.021
MAY	23,260	71,800	49	0.227
JUNE	28,550	261,000	180	0.673
JULY	52,940	268,000	185	0.373
AUGUST	71,750	478,000	329	0.490
SEPTEMBER	94,100	2,049,000	1,410	1.602
SUMMARY	506,200	3,383,147	2,329	0.492

RIO GRANDE BASIN

RIO GRANDE AT JOHNSON RANCH

Net Drainage Area: 70,715 square miles (36,261 square miles in U. S. and 34,454 square miles in Mexico).

Location: Cable Car, 2 miles upstream from Johnson ranch and 14 miles downstream from Castolon, Texas. Flow records were obtained from stream gaging station "Rio Grande at Johnson Ranch", at the same location.

Records Available: October 1, 1949 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	49,300	144,000	99	0.215
NOVEMBER	31,900	4,870	3	0.011
DECEMBER	30,100	2,560	2	0.006
JANUARY	30,240	4,720	3	0.011
FEBRUARY	22,540	2,780	2	0.009
MARCH	19,500	1,580	1	0.006
APRIL	8,200	700	0	0.006
MAY	6,880	921	1	0.010
JUNE	26,200	698,000	481	1.960
JULY	86,230	1,697,000	1,170	1.448
AUGUST	19,620	73,000	50	0.274
SEPTEMBER	145,740	2,359,000	1,620	1.191
SUMMARY	476,450	4,989,131	3,432	0.770

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	87,730	348,000	240	0.292
NOVEMBER	39,970	12,000	8	0.022
DECEMBER	38,960	9,570	7	0.018
JANUARY	31,590	2,510	2	0.006
FEBRUARY	21,240	460	0	0.002
MARCH	16,990	280	0	0.001
APRIL	14,540	132,000	91	0.669
MAY	31,200	601,000	414	1.418
JUNE	32,230	330,000	227	0.754
JULY	63,910	1,049,000	722	1.208
AUGUST	88,000	1,481,000	1,020	1.238
SEPTEMBER	101,340	599,000	413	0.435
SUMMARY	567,700	4,564,820	3,144	0.592

RIO GRANDE BASIN

RIO GRANDE AT LANGTRY

Net Drainage Area: 84,795 square miles (42,855 square miles in U. S. and 41,940 square miles in Mexico).

Location: Cable Car at Langtry, Texas. Flow records were obtained from the stream gaging station "Rio Grande at Langtry", at the same location.

Records Available: April 1, 1944 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	68,400	325,000	224	0.350
NOVEMBER	51,000	27,200	19	0.039
DECEMBER	50,000	3,880	3	0.006
JANUARY	49,330	4,140	3	0.006
FEBRUARY	41,000	3,030	2	0.005
MARCH	38,090	1,880	1	0.004
APRIL	28,850	1,610	1	0.004
MAY	33,300	53,300	37	0.118
JUNE	60,200	593,000	408	0.724
JULY	106,130	1,750,000	1,210	1.213
AUGUST	41,480	140,000	96	0.248
SEPTEMBER	150,850	2,569,000	1,770	1.253
SUMMARY	718,630	5,472,040	3,774	0.560

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	137,900	1,144,000	788	0.610
NOVEMBER	59,320	26,800	18	0.033
DECEMBER	57,230	7,000	5	0.009
JANUARY	50,450	1,950	1	0.003
FEBRUARY	38,740	1,680	1	0.003
MARCH	34,060	1,430	1	0.003
APRIL	30,960	33,200	23	0.079
MAY	58,240	385,000	265	0.487
JUNE	74,630	757,000	521	0.747
JULY	81,110	1,413,000	973	1.282
AUGUST	107,270	842,000	580	0.578
SEPTEMBER	128,570	3,476,000	2,390	1.989
SUMMARY	858,480	8,089,060	5,566	0.693

RIO GRANDE BASIN

PECOS RIVER NEAR SHUMLA

Net Drainage Area: 35,162 square miles (all in U. S.)

Location: Rock ledge and light cableway 4.5 miles north of Shumla and 13 miles upstream from Pecos High Bridge. Flow records were obtained from the stream gaging station "Pecos River near Shumla", at the same location.

Records Available: November 1, 1954 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	11,100	218	0	0.001
NOVEMBER	11,100	302	0	0.002
DECEMBER	10,400	239	0	0.002
JANUARY	9,840	313	0	0.002
FEBRUARY	8,920	69	0	0.001
MARCH	9,100	205	0	0.002
APRIL	7,720	191	0	0.002
MAY	7,010	226	0	0.002
JUNE	7,080	175	0	0.002
JULY	7,960	203	0	0.002
AUGUST	5,350	63	0	0.001
SEPTEMBER	14,030	514	0	0.003
SUMMARY	109,610	2,718	0	0.002

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	30,480	36,000	25	0.087
NOVEMBER	15,450	372	0	0.002
DECEMBER	11,560	517	0	0.003
JANUARY	10,350	129	0	0.001
FEBRUARY	8,620	217	0	0.002
MARCH	8,170	285	0	0.003
APRIL	11,300	2,560	2	0.017
MAY	17,870	807	1	0.003
JUNE	12,250	273	0	0.002
JULY	6,980	193	0	0.002
AUGUST	6,000	111	0	0.001
SEPTEMBER	6,240	147	0	0.002
SUMMARY	145,270	41,611	28	0.021

RIO GRANDE BASIN

RIO GRANDE NEAR DEL RIO

Net Drainage Area: 126,940 square miles (82,750 square miles in U. S. and 44,190 square miles in Mexico).

Location: International bridge between Del Rio, Texas and Cd. Acuna, Coahuila, Mexico. Flow records were obtained from the stream gaging station "Rio Grande below Amistad Dam Site", located 10.5 miles upstream from the sampling point.

Records Available: August 1, 1955 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	129,000	165,000	114	0.094
NOVEMBER	111,000	26,300	18	0.018
DECEMBER	104,000	7,090	5	0.005
JANUARY	100,630	11,300	8	0.008
FEBRUARY	84,920	6,210	4	0.005
MARCH	81,600	9,740	7	0.009
APRIL	75,360	25,300	17	0.025
MAY	72,650	44,800	31	0.045
JUNE	103,690	481,000	331	0.341
JULY	139,350	1,090,000	751	0.576
AUGUST	80,380	152,000	105	0.139
SEPTEMBER	197,400	2,759,000	1,900	1.028
SUMMARY	1,279,980	4,777,740	3,291	0.274

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	249,750	1,134,000	781	0.334
NOVEMBER	118,220	34,100	24	0.021
DECEMBER	110,760	6,580	5	0.004
JANUARY	92,490	7,430	5	0.006
FEBRUARY	75,550	2,190	2	0.002
MARCH	71,750	2,310	2	0.002
APRIL	67,720	23,800	16	0.026
MAY	110,760	310,000	213	0.206
JUNE	133,890	608,000	419	0.334
JULY	117,960	1,233,000	849	0.769
AUGUST	142,480	1,615,000	1,110	0.834
SEPTEMBER	163,190	1,234,000	850	0.557
SUMMARY	1,454,520	6,210,410	4,276	0.314

RIO GRANDE BASIN

RIO GRANDE AT LAREDO

Net Drainage Area: 135,976 square miles (85,718 square miles in U. S. and 50,258 square miles in Mexico).

Location: Laredo, Texas Water Treatment Plant in the northwest part of city. Flow records were obtained from the stream gaging station "Rio Grande at Laredo", located approximately 2 miles downstream.

Records Available: January 1, 1953 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	152,600	71,700	49	0.035
NOVEMBER	135,700	59,800	41	0.032
DECEMBER	120,400	14,500	10	0.009
JANUARY	115,290	28,300	20	0.018
FEBRUARY	86,270	14,700	10	0.013
MARCH	76,560	10,900	8	0.010
APRIL	102,330	79,500	55	0.057
MAY	66,370	13,700	9	0.015
JUNE	93,910	40,000	28	0.031
JULY	108,670	485,000	334	0.328
AUGUST	77,610	112,000	77	0.106
SEPTEMBER	176,200	1,641,000	1,130	0.686
SUMMARY	1,311,910	2,571,100	1,771	0.144

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	267,450	1,392,000	959	0.383
NOVEMBER	129,590	126,000	87	0.071
DECEMBER	111,360	11,700	8	0.008
JANUARY	99,690	19,200	13	0.014
FEBRUARY	82,670	19,000	13	0.017
MARCH	61,700	8,320	6	0.010
APRIL	89,000	78,700	54	0.065
MAY	135,450	214,000	147	0.116
JUNE	142,490	293,000	202	0.151
JULY	99,060	391,000	269	0.290
AUGUST	112,150	677,000	466	0.444
SEPTEMBER	168,960	1,133,000	780	0.493
SUMMARY	1,499,570	4,362,920	3,004	0.214

RIO GRANDE BASIN

RIO GRANDE AT FALCON DAM - U. S. TAILRACE

Net Drainage Area: 164,482 square miles (87,760 square miles in U. S. and 76,722 square miles in Mexico).

Location: United States Tailrace of Falcon Dam. Flow records were obtained from total releases as determined by International Boundary and Water Commission.

Records Available: July 1, 1955 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	328,730	504	0	0.000
NOVEMBER	193,700	280	0	0.000
DECEMBER	171,760	675	0	0.000
JANUARY	280,950	1,510	1	0.000
FEBRUARY	367,400	392	0	0.000
MARCH	63,880	656	0	0.001
APRIL	222,180	1,710	1	0.001
MAY	435,320	5,190	4	0.001
JUNE	367,610	2,520	2	0.001
JULY	73,600	895	1	0.001
AUGUST	69,340	320	0	0.000
SEPTEMBER	36,410	271	0	0.001
SUMMARY	2,610,880	14,923	9	0.000

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	88,890	1,260	1	0.001
NOVEMBER	49,910	278	0	0.000
DECEMBER	62,910	810	1	0.001
JANUARY	133,230	458	0	0.000
FEBRUARY	203,100	2,280	2	0.001
MARCH	159,830	2,030	1	0.001
APRIL	417,230	4,620	3	0.001
MAY	58,490	681	0	0.001
JUNE	265,440	2,550	2	0.001
JULY	66,170	589	0	0.001
AUGUST	122,140	1,260	1	0.001
SEPTEMBER	38,090	253	0	0.000
SUMMARY	1,665,430	17,069	11	0.001

RIO GRANDE BASIN

RIO GRANDE AT FORT RINGGOLD, RIO GRANDE CITY

Net Drainage Area: 180,396 square miles (87,982 square miles in U. S. and 92,414 square miles in Mexico).

Location: Cable car 1 mile downstream from Fort Ringgold in Rio Grande City. Flow records were obtained from stream gaging station "Rio Grande at Fort Ringgold, Rio Grande City", at the same location.

Records Available: May 1, 1959 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	115,000	51,100	35	0.033
NOVEMBER	55,600	4,920	3	0.007
DECEMBER	124,000	3,900	3	0.002
JANUARY	281,250	25,500	18	0.007
FEBRUARY	376,620	19,900	14	0.004
MARCH	75,080	1,800	1	0.002
APRIL	224,740	16,700	12	0.005
MAY	428,630	44,800	31	0.008
JUNE	398,830	24,300	17	0.004
JULY	72,000	5,600	4	0.006
AUGUST	74,480	3,460	2	0.003
SEPTEMBER	92,400	299,000	206	0.238
SUMMARY	2,318,630	501,040	346	0.159

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	98,520	28,400	20	0.021
NOVEMBER	50,460	1,840	1	0.003
DECEMBER	64,790	3,990	3	0.005
JANUARY	122,110	1,710	1	0.001
FEBRUARY	213,220	14,600	10	0.005
MARCH	159,740	5,560	4	0.003
APRIL	421,550	25,500	18	0.004
MAY	80,890	139,000	96	0.127
JUNE	316,320	82,300	57	0.019
JULY	70,110	3,100	2	0.003
AUGUST	128,870	5,380	4	0.003
SEPTEMBER	51,340	17,800	12	0.025
SUMMARY	1,777,920	329,180	228	0.014

RIO GRANDE BASIN

RIO GRANDE NEAR LOS EBANOS

Net Drainage Area: Not available.

Location: Ferry at Los Ebanos. Flow records were obtained from the stream gaging station "Rio Grande at Fort Ringgold, Rio Grande City", approximately 24 miles upstream and estimated storm runoff between gaging station and sampling station as determined by IBWC.

Records Available: May 1, 1956 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	115,000	4,710	3	0.003
NOVEMBER	55,600	2,080	1	0.003
DECEMBER	124,000	7,160	5	0.004
JANUARY	281,250	16,400	11	0.004
FEBRUARY	376,620	13,100	9	0.003
MARCH	75,080	3,100	2	0.003
APRIL	224,740	23,300	16	0.008
MAY	428,630	7,690	5	0.001
JUNE	398,830	124,000	85	0.023
JULY	72,000	3,040	2	0.003
AUGUST	74,480	3,020	2	0.003
SEPTEMBER	92,400	298,000	205	0.238
SUMMARY	2,318,630	505,600	346	0.016

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	98,520	58,000	40	0.043
NOVEMBER	50,460	1,130	1	0.002
DECEMBER	64,790	3,030	2	0.003
JANUARY	122,110	13,100	9	0.008
FEBRUARY	213,220	14,500	10	0.005
MARCH	159,740	12,600	9	0.006
APRIL	421,550	37,700	26	0.007
MAY	80,890	50,500	35	0.046
JUNE	316,320	304,000	209	0.071
JULY	70,110	9,800	7	0.010
AUGUST	128,870	13,100	9	0.007
SEPTEMBER	51,340	8,880	6	0.013
SUMMARY	1,777,920	526,340	363	0.022

RIO GRANDE BASIN

RIO GRANDE BELOW ANZALDUAS DAM

Net Drainage Area: 182,138 square miles (88,934 square miles in U. S. and 93,204 square miles in Mexico) revised.

Location: International Highway Bridge between Hidalgo, Texas and Reynosa, Tamaulipas. Flow records were obtained from the stream gaging stations "Rio Grande below Anzalduas Dam", located 12.2 miles upstream, plus "Return Flow to the Rio Grande at Poniente Drain", 0.7 miles upstream.

Records Available: May 1, 1956 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	94,410	3,620	3	0.003
NOVEMBER	45,220	1,890	1	0.003
DECEMBER	82,540	9,740	7	0.009
JANUARY	126,470	2,600	2	0.002
FEBRUARY	99,430	5,510	4	0.004
MARCH	61,680	946	1	0.001
APRIL	97,140	29,600	20	0.022
MAY	156,500	62,200	43	0.029
JUNE	197,660	55,800	38	0.021
JULY	59,890	5,360	4	0.007
AUGUST	58,270	1,450	1	0.002
SEPTEMBER	50,110	193,000	133	0.284
SUMMARY	1,129,320	371,716	257	0.024

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	56,680	5,800	4	0.008
NOVEMBER	36,830	747	1	0.001
DECEMBER	56,660	1,810	1	0.002
JANUARY	65,230	1,790	1	0.002
FEBRUARY	63,400	6,560	5	0.008
MARCH	89,580	5,570	4	0.005
APRIL	130,250	26,200	18	0.015
MAY	36,550	9,620	7	0.019
JUNE U8U	181,310	58,600	40	0.024
JULY	40,170	9,840	7	0.018
AUGUST	63,790	2,770	2	0.003
SEPTEMBER	31,570	1,170	1	0.003
SUMMARY	852,020	130,477	91	0.011

RIO GRANDE BASIN

RIO GRANDE NEAR SAN BENITO

Net Drainage Area: 182,187 square miles (88,954 square miles in U. S. and 93,233 square miles in Mexico).

Location: 5.6 miles below San Benito pumping plant. Flow records were obtained from stream gaging station "Rio Grande near San Benito", at the same location.

Records Available: April 1, 1955 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	46,000	23,900	17	0.038
NOVEMBER	27,900	7,590	5	0.020
DECEMBER	34,500	9,090	6	0.019
JANUARY	34,260	6,770	5	0.015
FEBRUARY	25,080	3,960	3	0.012
MARCH	23,230	792	1	0.003
APRIL	34,380	2,160	2	0.005
MAY	37,610	8,790	6	0.017
JUNE	65,550	39,900	28	0.045
JULY	23,770	727	1	0.002
AUGUST	19,240	1,170	1	0.004
SEPTEMBER	11,270	435	0	0.003
SUMMARY	382,790	105,284	75	0.020

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FeET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FeET	
OCTOBER	15,480	2,680	2	0.013
NOVEMBER	13,810	2,370	2	0.013
DECEMBER	21,450	1,720	1	0.006
JANUARY	29,870	2,820	2	0.007
FEBRUARY	17,630	2,090	1	0.009
MARCH	13,830	789	1	0.004
APRIL	26,230	7,650	5	0.021
MAY	16,870	3,210	2	0.014
JUNE	52,030	49,500	34	0.070
JULY	15,000	614	0	0.003
AUGUST	14,640	1,350	1	0.007
SEPTEMBER	11,180	696	0	0.005
SUMMARY	248,020	75,489	51	0.022

RIO GRANDE BASIN

RIO GRANDE AT LOWER BROWNSVILLE

Net Drainage Area: 182,215 square miles (88,968 square miles in U. S. and 93,247 square miles in Mexico).

Location: Cable car located 1,000 feet downstream from the El Jardin pumping plant and 6.8 river miles downstream from Brownsville. Flow records were obtained from the stream gaging station "Rio Grande at Lower Brownsville", at the same location.

Records Available: April 1, 1955 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	44,000	15,800	11	0.026
NOVEMBER	31,800	5,690	4	0.013
DECEMBER	26,800	2,480	2	0.007
JANUARY	14,790	1,230	1	0.006
FEBRUARY	13,250	2,430	2	0.013
MARCH	12,850	449	0	0.003
APRIL	25,110	1,790	1	0.005
MAY	21,440	3,940	3	0.014
JUNE	33,830	6,940	5	0.015
JULY	21,540	1,130	1	0.004
AUGUST	11,790	567	0	0.004
SEPTEMBER	8,130	343	0	0.003
SUMMARY	265,330	42,789	30	0.012

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	8,500	206	0	0.002
NOVEMBER	7,470	216	0	0.002
DECEMBER	12,320	202	0	0.001
JANUARY	11,370	320	0	0.002
FEBRUARY	6,430	235	0	0.003
MARCH	5,040	112	0	0.002
APRIL	5,450	191	0	0.003
MAY	12,460	664	0	0.004
JUNE	30,170	10,600	7	0.026
JULY	13,620	204	0	0.001
AUGUST	5,210	244	0	0.003
SEPTEMBER	6,740	2,860	2	0.031
SUMMARY	124,780	16,054	9	0.009



RECORDS OF SUSPENDED-SEDIMENT LOADS FROM SAMPLING STATIONS

OPERATED BY

U.S. GEOLOGICAL SURVEY,

QUALITY OF WATER BRANCH

REPORT OF THE COMMISSION ON THE ORGANIZATION OF THE FEDERAL GOVERNMENT

PREPARED BY

THE NATIONAL ACADEMY OF SCIENCES

AND THE NATIONAL ACADEMY OF PUBLIC AFFAIRS

COLORADO RIVER BASIN

COLORADO RIVER AT COLUMBUS

Net Drainage Area: 29,170 square miles.

Location: U. S. Highway 90 at eastern edge of Columbus. Flow records were obtained from stream gaging station "Colorado River at Columbus", at the same location.

Records Available: March 1957 to date.

WATER YEAR 1962

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	78,580	3,198		
NOVEMBER	255,500	167,875		
DECEMBER	202,900	23,512		
JANUARY	148,400	22,681		
FEBRUARY	42,080	3,504		
MARCH	42,610	1,118		
APRIL	48,870	16,129		
MAY	88,190	10,752		
JUNE	142,200	82,205		
JULY	116,900	15,054		
AUGUST	108,300	10,955		
SEPTEMBER	85,070	37,384		
SUMMARY	1,360,000	394,367		

WATER YEAR 1963

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	ACRE-FEET	
OCTOBER	52,600	26,320		
NOVEMBER	36,200	4,411		
DECEMBER	78,800	53,180		
JANUARY	42,880	8,994		
FEBRUARY	89,950	142,724		
MARCH	26,630	1,789		
APRIL	75,430	43,548		
MAY	104,400	13,720		
JUNE	117,000	17,470		
JULY	108,900	15,800		
AUGUST	98,960	12,060		
SEPTEMBER	87,950	10,104		
SUMMARY	919,700	351,120		

