

TEXAS BOARD OF WATER ENGINEERS

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BULLETIN 6108

SILT LOAD OF TEXAS STREAMS
A COMPILATION REPORT
JUNE 1889 - SEPTEMBER 1959

Compiled by

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Based on previous publications of the Board of Water Engineers
using data obtained cooperatively by the Board,
the U. S. Soil Conservation Service, the U. S. Geological Survey,
and on publications of the International Boundary and Water Commission

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SILT LOAD OF TEXAS STREAMS
A COMPILATION REPORT
JUNE 1889 — SEPTEMBER 1959

SYNOPSIS

This compilation of data and explanatory information has been prepared for the purpose of bringing together for the first time results of silt observations which have been made in Texas over a period of 60 years. The Board of Water Engineers has conducted a continuous study of the silt load of Texas streams for the last 36 years of this period. Cooperation in the effort has been maintained with other state and federal agencies, resulting in the analysis of hundreds of thousands of daily and periodic silt samples.

The first recorded work in Texas toward measuring the silt load of streams was done by Mr. W. W. Follett on the Rio Grande near El Paso. This work covered a period from June 1889 to December 1912, including some breaks in records.

Closely following the Rio Grande investigations were studies made under the direction of Mr. J. C. Nagle who was then Dean of Engineering, Texas A. & M. College, and who later became the first Chairman of the Board of Water Engineers. Mr. Nagle's work included two observation points for a period beginning in February 1900, and ending in February 1902. Work was conducted on the Wichita River near Wichita Falls and on the Brazos River near College Station.

The Board of Water Engineers was organized in 1914. In considering applications for permits to appropriate and store water it soon became apparent that knowledge of the economic life of reservoirs was essential to the Board. Obviously silt deposition behind a dam would lessen its holding capacity, but no measure was available for determining how rapidly siltation was expected to take place. Accordingly, in 1923 the Board established a program of measuring the silt load of streams.

Cooperation was established on July 1, 1923, between the Board of Water Engineers and the Bureau of Agricultural Engineering which was then under the Division of Irrigation, U. S. Department of Agriculture. This cooperative agreement was continued through August 1956. Nine sampling stations were established at points of special interest in some of the principal watersheds. Some of the original locations were abandoned early in the program and relocated at other points as the emphasis changed. Much work was done in formulating a plan of action and endeavoring to instigate a program on the most scientific basis possible with funds available.

The first silt report was prepared in 1930, but was not published until 1933. Prepared by Mr. Orville A. Farris, this report, U. S. Department of Agriculture Technical Bulletin No. 382, "The Silt Load of Texas Streams," is, in fact, a text on the subject and has served since its publication as a guide for most procedures followed by the Board in sampling, laboratory techniques, and even to the findings as to the unit weight of dry silt. In more recent years some investigators have questioned the advisability of standardizing on 70 pounds per cubic foot as the unit weight of all silt in all reservoirs. While the Board has not had substantial proof that some other number or numbers would be manifestly more correct, this publication through deference to the opinions of other investigators is reporting both the tons of silt observed and the conversion to acre-feet based on the unit weight of 70 pounds per cubic foot. Published tonnage can be converted to acre-feet of silt based on a unit weight other than 70 pounds by the application of a conversion factor.

In addition to the Board's silt studies, this compilation contains records gathered by the International Boundary and Water Commission. Inclusion of the Boundary Commission records was desirable for the purpose of presenting state-wide coverage in sedimentation studies. Cooperative work between the Board and the U. S. Geological Survey in silt studies and stream gaging includes records for only two observation points in the Rio Grande watershed; at Roma and at Eagle Pass. Both of these stations were observed concurrently by the Boundary Commission. Results of the studies conducted by both agencies are included in this report.

Still other federal agencies have made silt determinations during the past decade, using sampling equipment and laboratory procedures different from those used by the Board. Comparatively few sampling points have been observed by these agencies; however sampling points have been observed simultaneously with Board operations for the purpose of checking results of two systems of silt-load evaluation.

Data available to this agency indicates that suspended silt forms the largest part of the total silt load. Determinations of stream-bed loads can not now be determined practically because of physical and economic limitations. Therefore this report and prior silt reports of this agency include data on only the suspended silt load.

Techniques developed by the Board for measuring suspended silt-load have been checked independently by other systems of sampling, with almost mirror fidelity. These checks lead to the conclusion that the following report is adequate for the purpose of providing an accurate picture of the suspended silt-load of Texas streams.

SILT LOAD OF TEXAS STREAMS
A COMPILATION REPORT
JUNE 1889 — SEPTEMBER 1959

INTRODUCTION

Engineers engaged in designing reservoirs and various types of water facilities are constantly confronted with the quality of water with which they are working. Not only does the term "quality" include the chemical composition but also the physical characteristics of water. Physical characteristics of water, which include silt, vary with many natural phenomena, such as the type of cover on the watershed, rainfall characteristics, season of year, and other factors. In order to obtain truly representative conditions contributing to silt transport, it is necessary to sample the streamflow for long periods of time. Further, if a silt transport study is to be of extensive use, it must cover the entire state or at least those streams on which development is planned. The Board of Water Engineers saw its obligation to supply basic data and began a silt survey program in 1923. This program has been expanded, improved, and continued to date.

Sampling has always been done at or near a streamflow gaging station. Since most streamflow gaging stations are located at bridges, an ideal site for taking silt samples is thus provided. Samples are taken in an 8-ounce narrow-neck bottle which is held in a framework attached to a 10-pound torpedo-shaped weight, and positioned with the mouth of the bottle no more than one foot below the water surface. Sampling is done at approximately the same time each day, or multiple samples are taken throughout the day whenever a significant change in stage of stream occurs. In developing a system of equipment and procedures, it was determined by Mr. O. A. Farris and his staff during the 1923-30 period that samples of streamflow taken at points located at one-sixth, one-half, and five-sixths of the width of the streamflow gave a good representative sample of the silt load.

Farris also found through investigations reported in "The Silt Load of Texas Streams," that when samples were taken near the water surface the percent of silt thus obtained must be multiplied by the factor 1.102 to obtain the mean percentage of the suspended silt in the vertical. As the samples processed to obtain the data included in this report were taken near the water surface, the percent of silt by weight was multiplied by the factor 1.102 to obtain the mean percentage of suspended silt.

Samples are transported to the Austin laboratory where all analytical determinations are made. Originally, samples were poured over Whatman filter papers, and the percent of dry silt was determined by a series of filtering and weighing operations. Laboratory determinations were equated to the corresponding daily streamflow records for determining the total silt load for the day.

In recent years the filter paper method has been supplanted by more modern vacuum-syphoned Gooch Crucibles. More rapid-weighing analytical balances have replaced some of the earlier equipment. Hand calculations have been supplanted by electronic data processing equipment which relieves office personnel of a great amount of repetitive work. By employing more modern techniques it has become possible to enlarge the scope of the silt program and at the same time probably increase the accuracy of the records. Even with the application of more modern equipment, the laboratory and statistical principles initiated by Farris in 1923 remain basically unchanged.

During the 60-year period a total of 68 silt sampling stations have been operated by the Board and the Boundary Commission. Currently the Board is sampling at 25 stations; 24 others have been discontinued. The Boundary Commission is presently sampling at 13 stations; 6 others having been discontinued.

In the tabulations which follow, summary information is given for each of the silt sampling stations. The silt records have been compiled by individual stations, and all stations within a watershed are grouped together to form a section of the compilation. Summary data applicable to each station are printed at the top of the first data sheet for that station. This arrangement permits a quick review of work that has been done in each watershed.

Complete background information on each sampling station has not been kept throughout the years. It is now impossible to reconstruct sufficient history to show the reason certain stations were established. At or near other sampling stations, however, reservoirs or other important works have been built, which show clearly the Board's plan to make silt studies at points of greatest need.

EXPLANATION OF DATA

Stream discharge records used by the Board were gathered by the U. S. Geological Survey. On the Rio Grande and the Pecos River, the Boundary Commission gathered both silt and stream discharge records. In each instance the monthly stream discharge records are rounded to four significant figures. Summary values are also rounded, and therefore are not the sum of the monthly values.

Silt records gathered and published by the Boundary Commission are confined to the Rio Grande and Pecos River. The Board gathered silt records in the other watersheds, and for several years operated two stations, Eagle Pass and Roma, in the Rio Grande watershed. All summary values are reported as tons of silt for a water-year, which extends from October 1 through September 30 of the following calendar year.

Tons of silt were calculated and converted to acre-feet of silt. The Board of Water Engineers uses 1,524.6 tons per acre-foot for this conversion on streams for which it has gathered records; the Boundary Commission uses 1,452 tons per acre-foot for this conversion on records for the Rio Grande and Pecos River. Rounding to the nearest acre-foot was done for each month. The summary values for acre-feet of silt are the totals of the rounded monthly values and do not correspond to a direct conversion from the summary value for tons of silt.

Zero values were not printed in this compilation but are indicated where blanks appear in a column having a summary value. No summary values are shown for columns that had missing data.

RECORDS OF SUSPENDED SILT LOADS FROM SAMPLING STATIONS
operated by
TEXAS BOARD OF WATER ENGINEERS
in cooperation with
U. S. DEPARTMENT OF AGRICULTURE

RED RIVER WATERSHED

QUANAH-CROWELL STATION ON THE PEASE RIVER

Net Drainage Area: 3,037 sq. mi.

Location: U. S. Highway 283 bridge about 10 miles north of Crowell

Records Available: July 1, 1942 to June 30, 1947

Comments: Station was operated in conjunction with feasibility studies for a reservoir on the Pease River

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 124,100 | | | |
| NOVEMBER | 6,630 | | | |
| DECEMBER | 5,180 | | | |
| JANUARY | 2,350 | | | |
| FEBRUARY | 1,110 | | | |
| MARCH | 1,200 | | | |
| APRIL | 68,430 | | | |
| MAY | 3,690 | | | |
| JUNE | 920 | | | |
| JULY 1/ | 1,300 | 3,920 | 2 | .222 |
| AUGUST | 2,250 | 12,070 | 8 | .394 |
| SEPTEMBER | 33,080 | 469,330 | 308 | 1.042 |
| SUMMARY | 250,200 | | | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 539 | 950 | 1 | .129 |
| NOVEMBER | 260 | 180 | | .051 |
| DECEMBER | 1,120 | 590 | | .039 |
| JANUARY | 1,030 | 560 | | .040 |
| FEBRUARY | 858 | 1,440 | 1 | .123 |
| MARCH | 680 | 380 | | .041 |
| APRIL | 377 | 250 | | .049 |
| MAY | 5,610 | 38,850 | 26 | .509 |
| JUNE | 33,560 | 808,470 | 530 | 1.770 |
| JULY | 2,670 | 11,140 | 7 | .306 |
| AUGUST | 3,420 | 29,960 | 20 | .664 |
| SEPTEMBER | 4,070 | 15,360 | 10 | .277 |
| SUMMARY | 54,190 | 908,130 | 595 | 1.231 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 19,920 | 175,350 | 115 | .647 |
| NOVEMBER | 1,560 | 720 | | .034 |
| DECEMBER | 1,770 | 780 | 1 | .032 |
| JANUARY | 1,440 | 840 | 1 | .043 |
| FEBRUARY | 521 | 140 | | .020 |
| MARCH | 526 | 230 | | .032 |
| APRIL | 4,130 | 15,370 | 10 | .273 |
| MAY | 22,070 | 214,110 | 140 | .713 |
| JUNE | 27,640 | 187,810 | 123 | .499 |
| JULY | 735 | 1,800 | 1 | .180 |
| AUGUST | | | | |
| SEPTEMBER | 369 | 3,940 | 3 | .784 |
| SUMMARY | 80,680 | 601,090 | 394 | .547 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,090 | 12,830 | 8 | .451 |
| NOVEMBER | 603 | 630 | | .077 |
| DECEMBER | 1,710 | 4,930 | 3 | .212 |
| JANUARY | 1,190 | 750 | | .046 |
| FEBRUARY | 752 | 400 | | .039 |
| MARCH | 1,010 | 1,050 | 1 | .076 |
| APRIL | 1,600 | 8,160 | 5 | .375 |
| MAY | 222 | 155 | | .051 |
| JUNE | 4,550 | 6,980 | 5 | .113 |
| JULY | 63,320 | 1,362,700 | 894 | 1.581 |
| AUGUST | 15,860 | 180,290 | 118 | .835 |
| SEPTEMBER | 3,150 | 12,310 | 8 | .287 |
| SUMMARY | 96,060 | 1,591,185 | 1,042 | 1.217 |

1/ Station was established July 1, 1942

RED RIVER WATERSHED

QUANAH-CROWELL STATION ON THE PEASE RIVER - CONTINUED

WATER YEAR 1946

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 2,090 | 2,732 | 2 | .096 | OCTOBER | 53,330 | 697,090 | 457 | .960 |
| NOVEMBER | 388 | 237 | | .045 | NOVEMBER | 2,050 | 3,800 | 2 | .136 |
| DECEMBER | 313 | 162 | | .038 | DECEMBER | 1,750 | 2,680 | 2 | .113 |
| JANUARY | 793 | 448 | | .041 | JANUARY | 928 | 670 | | .053 |
| FEBRUARY | 397 | 407 | | .075 | FEBRUARY | 243 | 260 | | .079 |
| MARCH | 104 | 94 | | .066 | MARCH | 503 | 450 | | .066 |
| APRIL | 37 | 30 | | .060 | APRIL | 4,110 | 16,060 | 11 | .287 |
| MAY | 3,590 | 68,530 | 45 | 1.402 | MAY | 149,400 | 1,985,230 | 1,302 | .976 |
| JUNE | 19,670 | 355,630 | 233 | 1.328 | JUNE 1/ | 3,440 | 13,380 | 9 | .285 |
| JULY | 2,710 | 18,650 | 12 | .506 | JULY | | | | |
| AUGUST | 1,980 | 33,880 | 22 | 1.257 | AUGUST | | | | |
| SEPTEMBER | 51,850 | 781,050 | 512 | 1.107 | SEPTEMBER | | | | |
| SUMMARY | 83,920 | 1,261,850 | 826 | 1.105 | SUMMARY | | | | |

1/ Station was discontinued June 30, 1947

RED RIVER WATERSHED

WICHITA FALLS STATION ON THE WICHITA RIVER

Net Drainage Area: 3,105 sq. mi.

Location: 300 feet downstream from the Fort Worth-Denver City Railroad Bridge

Records Available: February 10, 1900 to February 15, 1902

Comments: Original data prepared by the late Professor Nagle of Texas Agricultural and Mechanical College; one of the original sampling stations in the state; records are the result of an effort to correlate percentages of silt by volume with percentages by weight

WATER YEAR 1900

| MONTH | STREAM DISCHARGE ACRE-FEET ^{1/} | SILT IN ACRE-FEET AFTER SETTLEMENT | |
|------------------------|---------------------------------------------|------------------------------------|--------------|
| | | FOR ONE WEEK | FOR ONE YEAR |
| OCTOBER | | | |
| NOVEMBER | | | |
| DECEMBER | | | |
| JANUARY | | | |
| FEBRUARY ^{2/} | 6,220 | 0 | 0 |
| MARCH | 9,530 | 0 | 0 |
| APRIL | 78,550 | 995 | 746+ |
| MAY | 123,900 | 1,053 | 790- |
| JUNE | 72,770 | 172 | 129 |
| JULY | 142,160 | 3,930 | 2,948- |
| AUGUST | 74,460 | 148 | 111 |
| SEPTEMBER | 134,000 | 1,215 | 911+ |
| TOTALS | | | |

WATER YEAR 1902

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT IN ACRE-FEET AFTER SETTLEMENT | |
|------------------------|-------------------------------|------------------------------------|--------------|
| | | FOR ONE WEEK | FOR ONE YEAR |
| OCTOBER | 620 | 0 | 0 |
| NOVEMBER | 408 | 0 | 0 |
| DECEMBER | 390 | 0 | 0 |
| JANUARY | 298 | 0 | 0 |
| FEBRUARY ^{3/} | 138 | 0 | 0 |
| MARCH | | | |
| APRIL | | | |
| MAY | | | |
| JUNE | | | |
| JULY | | | |
| AUGUST | | | |
| SEPTEMBER | | | |
| TOTALS | | | |

WATER YEAR 1901

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT IN ACRE-FEET AFTER SETTLEMENT | |
|-----------|-------------------------------|------------------------------------|--------------|
| | | FOR ONE WEEK | FOR ONE YEAR |
| OCTOBER | 138,022 | 1,980 | 1,485 |
| NOVEMBER | 56,125 | 679 | 509+ |
| DECEMBER | 6,716 | 0 | 0 |
| JANUARY | 2,567 | 0 | 0 |
| FEBRUARY | 1,884 | 0 | 0 |
| MARCH | 1,483 | 0 | 0 |
| APRIL | 1,176 | 0 | 0 |
| MAY | 217,942 | 3,952 | 2,964 |
| JUNE | 32,553 | 281 | 211- |
| JULY | 4,592 | 0 | 0 |
| AUGUST | 8,067 | 5 | 4- |
| SEPTEMBER | 26,201 | 401 | 301- |
| TOTALS | 497,328 | 7,298 | 5,474 |

^{1/} Discharge values are based on estimates

^{2/} Station was established February 10, 1900

^{3/} Station was discontinued February 15, 1902

RED RIVER WATERSHED

DENISON STATION ON THE RED RIVER

Net Drainage Area: 39,777 sq. mi.

Location: Highway bridge about 5 miles north of Denison, a few miles downstream from Denison damsite

Records Available: August 13, 1930 to August 31, 1933; August 31, 1936 to October 15, 1939

Comments: Station was discontinued during the construction of the dam

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 141.000 | | | |
| NOVEMBER | 149.000 | | | |
| DECEMBER | 105.000 | | | |
| JANUARY | 103.030 | | | |
| FEBRUARY | 287.000 | | | |
| MARCH | 132.000 | | | |
| APRIL | 82.700 | | | |
| MAY | 1,350.000 | | | |
| JUNE | 515.000 | | | |
| JULY | 81.800 | | | |
| AUGUST 1/ | 35.700 | 1.810 | 1 | .004 |
| SEPTEMBER | 55.900 | 37.540 | 25 | .049 |
| SUMMARY | 3,040.000 | | | |

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 296.000 | 2,926.170 | 1,329 | .503 |
| NOVEMBER | 298.000 | 1,826.530 | 1,198 | .450 |
| DECEMBER | 290.000 | 523.700 | 343 | .133 |
| JANUARY | 836.000 | 4,667.500 | 3,061 | .410 |
| FEBRUARY | 679.000 | 3,302.630 | 2,166 | .357 |
| MARCH | 183.000 | 117.780 | 77 | .047 |
| APRIL | 183.000 | 236.670 | 155 | .095 |
| MAY | 358.000 | 1,758.540 | 1,153 | .361 |
| JUNE | 918.000 | 10,481.640 | 6,875 | .804 |
| JULY | 779.000 | 4,378.260 | 2,872 | .399 |
| AUGUST | 159.000 | 331.360 | 217 | .153 |
| SEPTEMBER | 212.000 | 579.550 | 380 | .201 |
| SUMMARY | 5,191.000 | 31,130.330 | 19,826 | .441 |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 602.000 | 5,503.630 | 3,610 | .672 |
| NOVEMBER | 104.000 | 215.100 | 141 | .152 |
| DECEMBER | 498.000 | 4,010.860 | 2,630 | .592 |
| JANUARY | 89.800 | 18.630 | 12 | .015 |
| FEBRUARY | 312.000 | 1,176.150 | 771 | .277 |
| MARCH | 271.000 | 878.290 | 576 | .238 |
| APRIL | 224.000 | 494.220 | 324 | .162 |
| MAY | 285.000 | 1,226.180 | 804 | .316 |
| JUNE | 91.600 | 286.670 | 188 | .230 |
| JULY | 205.000 | 1,393.000 | 914 | .499 |
| AUGUST | 52.300 | 27.110 | 18 | .038 |
| SEPTEMBER | 20.800 | 6.370 | 4 | .022 |
| SUMMARY | 2,756.000 | 15,236.210 | 9,992 | .406 |

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 84.200 | 39.340 | 26 | .034 |
| NOVEMBER | 38.000 | 4.830 | 3 | .009 |
| DECEMBER | 323.000 | 2,760.750 | 1,811 | .628 |
| JANUARY | 176.000 | 311.890 | 205 | .130 |
| FEBRUARY | 66.100 | 7.280 | 5 | .009 |
| MARCH | 344.000 | 1,434.560 | 941 | .306 |
| APRIL | 194.000 | 889.220 | 583 | .337 |
| MAY | 1,332.000 | 10,314.560 | 6,765 | .545 |
| JUNE | 172.000 | 170.570 | 112 | .073 |
| JULY | 102.000 | 40.440 | 27 | .029 |
| AUGUST 2/ | 309.000 | 1,665.750 | 1,093 | .396 |
| SEPTEMBER | 327.000 | | | |
| SUMMARY | 3,467.000 | | | |

1/ Station was established August 13, 1930
2/ Station was discontinued August 31, 1933

RED RIVER WATERSHED

DEWISON STATION ON THE RED RIVER--CONTINUED

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 98,040 | | | |
| NOVEMBER | 98,420 | | | |
| DECEMBER | 310,900 | | | |
| JANUARY | 71,940 | | | |
| FEBRUARY | 51,720 | | | |
| MARCH | 64,790 | | | |
| APRIL | 39,170 | | | |
| MAY | 549,000 | | | |
| JUNE | 408,700 | | | |
| JULY | 75,640 | | | |
| AUGUST 1/ SEPTEMBER | 25,660 | 37 | | .004 |
| | 985,500 | 10,411,880 | 6,829 | .776 |
| SUMMARY | 2,779,000 | | | |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 451,800 | 2,381,430 | 1,562 | .387 |
| NOVEMBER | 71,600 | 13,570 | 9 | .014 |
| DECEMBER | 86,990 | 723,320 | 474 | .611 |
| JANUARY | 155,800 | 283,790 | 186 | .134 |
| FEBRUARY | 79,660 | 24,750 | 16 | .023 |
| MARCH | 184,500 | 452,320 | 297 | .180 |
| APRIL | 242,600 | 1,148,940 | 754 | .348 |
| MAY | 105,500 | 243,120 | 159 | .169 |
| JUNE | 656,500 | 7,547,390 | 4,950 | .845 |
| JULY | 85,890 | 66,240 | 43 | .057 |
| AUGUST | 261,900 | 2,831,050 | 1,857 | .794 |
| SEPTEMBER | 180,800 | 942,280 | 618 | .383 |
| SUMMARY | 2,564,000 | 16,658,200 | 10,925 | .477 |

1/ Station was re-established August 31, 1936

RED RIVER WATERSHED

DENISON STATION ON THE RED RIVER--CONTINUED

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 232,100 | 1,696,400 | 1,113 | .537 |
| NOVEMBER | 57,610 | 29,300 | 19 | .037 |
| DECEMBER | 95,170 | 199,480 | 131 | .154 |
| JANUARY | 161,400 | 932,310 | 612 | .424 |
| FEBRUARY | 1,100,000 | 7,550,590 | 4,953 | .504 |
| MARCH | 637,600 | 3,843,300 | 2,521 | .443 |
| APRIL | 465,000 | 1,769,920 | 1,161 | .280 |
| MAY | 1,147,000 | 9,785,180 | 6,418 | .627 |
| JUNE | 686,400 | 5,969,930 | 3,916 | .639 |
| JULY | 158,500 | 524,940 | 344 | .243 |
| AUGUST | 92,780 | 108,840 | 71 | .086 |
| SEPTEMBER | 57,670 | 44,280 | 29 | .056 |
| SUMMARY | 4,891,000 | 32,454,470 | 21,288 | .487 |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER ^{1/} | 25,360 | 10,200 | 7 | .057 |
| NOVEMBER | 23,940 | | | |
| DECEMBER | 14,700 | | | |
| JANUARY | 11,180 | | | |
| FEBRUARY | 28,390 | | | |
| MARCH | 15,340 | | | |
| APRIL | 209,800 | | | |
| MAY | 458,000 | | | |
| JUNE | 422,400 | | | |
| JULY | 445,200 | | | |
| AUGUST | 227,400 | | | |
| SEPTEMBER | 82,140 | | | |
| SUMMARY | 1,984,000 | | | |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 32,710 | 3,180 | 2 | .007 |
| NOVEMBER | 40,820 | 22,980 | 15 | .041 |
| DECEMBER | 23,770 | 1,770 | 1 | .005 |
| JANUARY | 102,900 | 1,019,590 | 669 | .728 |
| FEBRUARY | 45,250 | 58,690 | 38 | .095 |
| MARCH | 61,430 | 251,540 | 165 | .301 |
| APRIL | 144,900 | 688,250 | 451 | .349 |
| MAY | 90,290 | 393,360 | 258 | .320 |
| JUNE | 241,800 | 3,389,270 | 2,223 | 1.030 |
| JULY | 143,500 | 1,075,380 | 705 | .551 |
| AUGUST | 116,500 | 570,890 | 374 | .360 |
| SEPTEMBER | 23,880 | 11,790 | 8 | .036 |
| SUMMARY | 1,068,000 | 7,486,690 | 4,909 | .515 |

^{1/} Station was discontinued October 15, 1939

SABINE RIVER WATERSHED

LOGANSPORT, LOUISIANA STATION ON THE SABINE RIVER

Net Drainage Area: 4,858 sq. mi.

Location: U. S. Highway 84 bridge in downtown Logansport, Louisiana

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

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 5,850 | | | |
| NOVEMBER | 6,130 | | | |
| DECEMBER ^{1/} | 44,500 | 10,540 | 7 | .017 |
| JANUARY | 430,000 | 85,100 | 56 | .014 |
| FEBRUARY | 293,000 | 45,690 | 30 | .011 |
| MARCH | 460,000 | 78,490 | 51 | .013 |
| APRIL | 363,000 | 56,030 | 37 | .011 |
| MAY | 311,000 | 87,970 | 58 | .021 |
| JUNE | 129,000 | 52,550 | 34 | .030 |
| JULY | 352,000 | 74,800 | 49 | .016 |
| AUGUST | 139,000 | 10,700 | 7 | .006 |
| SEPTEMBER | 24,200 | 1,870 | 1 | .006 |
| SUMMARY | 2,560,000 | | | |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,450 | | | |
| NOVEMBER | 39,420 | | | |
| DECEMBER | 165,600 | | | |
| JANUARY | 177,300 | | | |
| FEBRUARY | 379,600 | | | |
| MARCH | 185,000 | | | |
| APRIL | 127,500 | | | |
| MAY | 1,075,000 | | | |
| JUNE | 319,200 | | | |
| JULY | 164,800 | | | |
| AUGUST | 12,580 | | | |
| SEPTEMBER ^{3/} | 13,910 | 400 | | .002 |
| SUMMARY | 2,662,000 | | | |

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 15,000 | 1,580 | 1 | .008 |
| NOVEMBER | 15,600 | 1,390 | 1 | .007 |
| DECEMBER ^{2/} | 38,600 | 2,810 | 2 | .005 |
| JANUARY | 288,000 | | | |
| FEBRUARY | 174,000 | | | |
| MARCH | 588,000 | | | |
| APRIL | 551,000 | | | |
| MAY | 77,500 | | | |
| JUNE | 26,800 | | | |
| JULY | 5,710 | | | |
| AUGUST | 1,800 | | | |
| SEPTEMBER | 2,060 | | | |
| SUMMARY | 1,780,000 | | | |

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 31,670 | 3,660 | 2 | .008 |
| NOVEMBER | 127,500 | 21,680 | 14 | .012 |
| DECEMBER | 236,100 | 27,660 | 18 | .009 |
| JANUARY | 61,840 | 3,990 | 3 | .005 |
| FEBRUARY | 62,330 | 4,110 | 3 | .005 |
| MARCH | 78,790 | 7,640 | 5 | .007 |
| APRIL | 27,690 | 3,390 | 2 | .009 |
| MAY | 144,600 | 54,240 | 36 | .028 |
| JUNE | 25,060 | 2,180 | 1 | .006 |
| JULY | 39,290 | 8,170 | 5 | .015 |
| AUGUST | 4,180 | 190 | | .003 |
| SEPTEMBER | 2,360 | 110 | | .003 |
| SUMMARY | 841,400 | 137,020 | 89 | .012 |

^{1/} Station was established December 1, 1932

^{2/} Station was discontinued December 27, 1933

^{3/} Station was re-established September 1, 1935

SABINE RIVER WATERSHED

LOGANSPORT, LOUISIANA STATION ON THE SABINE RIVER - CONTINUED

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 64,170 | 11,340 | 7 | .013 |
| NOVEMBER | 35,880 | 8,610 | 6 | .018 |
| DECEMBER | 82,630 | 18,800 | 12 | .017 |
| JANUARY | 484,100 | 61,160 | 40 | .009 |
| FEBRUARY | 276,100 | 29,110 | 19 | .008 |
| MARCH | 407,800 | 73,220 | 48 | .013 |
| APRIL | 251,500 | 54,220 | 36 | .016 |
| MAY | 39,820 | 11,300 | 7 | .021 |
| JUNE | 23,830 | 1,670 | 1 | .005 |
| JULY | 7,520 | 300 | | .003 |
| AUGUST | 6,350 | 220 | | .003 |
| SEPTEMBER | 9,960 | 480 | | .004 |
| SUMMARY | 1,690,000 | 270,430 | 176 | .012 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 2,520 | 7 | | |
| NOVEMBER | 24,340 | 4,040 | 3 | .012 |
| DECEMBER | 28,300 | 2,210 | 1 | .006 |
| JANUARY | 236,200 | 37,320 | 24 | .012 |
| FEBRUARY | 361,000 | 60,210 | 39 | .012 |
| MARCH | 408,000 | 80,050 | 53 | .014 |
| APRIL | 139,600 | 81,300 | 53 | .043 |
| MAY | 79,780 | 24,270 | 16 | .022 |
| JUNE | 29,210 | 1,480 | 1 | .004 |
| JULY | 12,880 | 410 | | .002 |
| AUGUST | 2,360 | 120 | | .004 |
| SEPTEMBER | 1,390 | 78 | | .004 |
| SUMMARY | 1,326,000 | 291,495 | 190 | .016 |

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 10,850 | 570 | | .004 |
| NOVEMBER | 76,560 | 18,660 | 12 | .018 |
| DECEMBER | 191,600 | 30,080 | 20 | .012 |
| JANUARY | 624,300 | 92,760 | 61 | .011 |
| FEBRUARY | 729,500 | 122,070 | 80 | .012 |
| MARCH | 388,200 | 100,230 | 66 | .019 |
| APRIL | 667,400 | 89,310 | 59 | .010 |
| MAY | 371,700 | 75,480 | 50 | .015 |
| JUNE | 36,050 | 3,260 | 2 | .007 |
| JULY | 21,330 | 1,970 | 1 | .007 |
| AUGUST | 33,640 | 3,580 | 2 | .008 |
| SEPTEMBER | 4,030 | 19 | | |
| SUMMARY | 3,155,000 | 537,989 | 353 | .013 |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1,200 | 23 | | .001 |
| NOVEMBER | 5,200 | 46 | | .001 |
| DECEMBER | 103,100 | 17,540 | 12 | .012 |
| JANUARY | 49,190 | 6,160 | 4 | .009 |
| FEBRUARY | 240,200 | 43,920 | 29 | .013 |
| MARCH | 57,490 | 18,760 | 12 | .024 |
| APRIL | 208,600 | 121,940 | 80 | .043 |
| MAY | 147,700 | 57,150 | 38 | .028 |
| JUNE | 251,500 | 153,150 | 100 | .045 |
| JULY | 141,500 | 26,130 | 17 | .014 |
| AUGUST | 27,830 | 3,010 | 2 | .008 |
| SEPTEMBER | 69,480 | 11,160 | 7 | .012 |
| SUMMARY | 1,303,000 | 458,989 | 301 | .026 |

SABINE RIVER WATERSHED

LOGANSPORT, LOUISIANA STATION ON THE SABINE RIVER - CONTINUED

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 13,730 | 940 | 1 | .005 |
| NOVEMBER | 423,800 | 39,400 | 26 | .007 |
| DECEMBER | 976,900 | 54,320 | 35 | .004 |
| JANUARY | 774,900 | 99,360 | 65 | .009 |
| FEBRUARY | 305,400 | 57,470 | 38 | .014 |
| MARCH | 571,600 | 73,880 | 48 | .009 |
| APRIL | 264,400 | 61,030 | 40 | .017 |
| MAY | 533,500 | 155,060 | 102 | .021 |
| JUNE | 494,800 | 125,150 | 82 | .019 |
| JULY | 411,300 | 117,060 | 77 | .021 |
| AUGUST | 45,260 | 10,290 | 7 | .017 |
| SEPTEMBER | 60,590 | 31,370 | 20 | .038 |
| SUMMARY | 4,876,000 | 825,330 | 541 | .012 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 30,630 | 6,700 | 4 | .016 |
| NOVEMBER | 54,420 | 32,520 | 21 | .044 |
| DECEMBER | 72,840 | 35,560 | 23 | .036 |
| JANUARY | 252,500 | 130,230 | 85 | .038 |
| FEBRUARY | 79,260 | 32,960 | 22 | .031 |
| MARCH | 95,800 | 61,260 | 40 | .047 |
| APRIL | 184,700 | 146,660 | 96 | .058 |
| MAY | 95,560 | 71,660 | 47 | .055 |
| JUNE | 743,300 | 421,730 | 277 | .042 |
| JULY | 94,680 | 52,870 | 35 | .041 |
| AUGUST | 8,040 | 4,370 | 3 | .040 |
| SEPTEMBER | 4,890 | 2,850 | 2 | .043 |
| SUMMARY | 1,717,000 | 999,370 | 655 | .043 |

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 108,600 | 23,160 | 15 | .016 |
| NOVEMBER | 306,500 | 46,800 | 31 | .011 |
| DECEMBER | 273,600 | 53,130 | 35 | .014 |
| JANUARY | 169,300 | 40,200 | 26 | .017 |
| FEBRUARY | 166,100 | 48,880 | 32 | .022 |
| MARCH | 289,200 | 62,400 | 41 | .016 |
| APRIL | 729,100 | 178,480 | 117 | .018 |
| MAY | 1,020,000 | 585,370 | 384 | .042 |
| JUNE | 434,700 | 232,320 | 152 | .039 |
| JULY | 55,860 | 25,780 | 17 | .034 |
| AUGUST | 117,400 | 69,680 | 46 | .044 |
| SEPTEMBER | 146,800 | 73,680 | 48 | .037 |
| SUMMARY | 3,817,000 | 1,439,880 | 944 | .028 |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 60,880 | 43,000 | 28 | .052 |
| NOVEMBER | 20,640 | 12,770 | 8 | .045 |
| DECEMBER | 68,640 | 45,430 | 30 | .049 |
| JANUARY | 388,300 | 269,120 | 177 | .051 |
| FEBRUARY | 406,500 | 328,120 | 215 | .059 |
| MARCH | 642,900 | 489,260 | 321 | .056 |
| APRIL | 566,300 | 437,810 | 287 | .057 |
| MAY | 1,566,000 | 997,910 | 655 | .047 |
| JUNE | 419,200 | 342,580 | 225 | .060 |
| JULY | 23,290 | 15,410 | 10 | .049 |
| AUGUST | 8,120 | 4,840 | 3 | .044 |
| SEPTEMBER | 22,300 | 15,800 | 10 | .052 |
| SUMMARY | 4,193,000 | 3,002,050 | 1,969 | .053 |

SABINE RIVER WATERSHED

LOGANSPORT, LOUISIANA STATION ON THE SABINE RIVER - CONTINUED

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 8,630 | 5,000 | 3 | .043 |
| NOVEMBER | 33,920 | 23,770 | 16 | .052 |
| DECEMBER | 224,200 | 186,350 | 122 | .061 |
| JANUARY | 899,100 | 555,690 | 364 | .045 |
| FEBRUARY | 335,900 | 255,060 | 167 | .056 |
| MARCH | 1,316,000 | 1,002,320 | 657 | .056 |
| APRIL | 2,048,000 | 1,548,260 | 1,016 | .056 |
| MAY | 174,000 | 158,220 | 104 | .067 |
| JUNE | 298,800 | 271,140 | 178 | .067 |
| JULY | 582,300 | 443,560 | 291 | .056 |
| AUGUST | 57,540 | 41,350 | 27 | .053 |
| SEPTEMBER | 18,340 | 11,900 | 8 | .048 |
| SUMMARY | 5,997,000 | 4,502,820 | 2,953 | .055 |

(9)

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 35,170 | 3,870 | 3 | .008 |
| NOVEMBER | 667,900 | 108,130 | 71 | .012 |
| DECEMBER | 422,300 | 49,170 | 32 | .009 |
| JANUARY | 477,000 | 72,050 | 47 | .011 |
| FEBRUARY | 271,300 | 54,810 | 36 | .015 |
| MARCH | 460,400 | 90,830 | 60 | .014 |
| APRIL | 486,500 | 59,090 | 39 | .009 |
| MAY | 327,100 | 77,140 | 51 | .017 |
| JUNE | 80,990 | 14,450 | 9 | .013 |
| JULY | 46,380 | 18,350 | 12 | .029 |
| AUGUST | 8,710 | 690 | | .006 |
| SEPTEMBER | 35,770 | 5,320 | 4 | .011 |
| SUMMARY | 3,320,000 | 553,900 | 364 | .012 |

(12)

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 272,500 | 209,950 | 138 | .057 |
| NOVEMBER | 116,500 | 76,260 | 50 | .048 |
| DECEMBER | 209,200 | 150,690 | 99 | .053 |
| JANUARY | 754,900 | 511,320 | 335 | .050 |
| FEBRUARY | 867,600 | 586,410 | 385 | .050 |
| MARCH | 721,200 | 435,760 | 286 | .044 |
| APRIL | 335,100 | 189,140 | 124 | .041 |
| MAY | 533,300 | 186,380 | 122 | .026 |
| JUNE | 1,186,000 | 276,480 | 181 | .017 |
| JULY | 66,560 | 20,150 | 13 | .022 |
| AUGUST | 21,500 | 4,170 | 3 | .014 |
| SEPTEMBER | 52,640 | 3,010 | 2 | .004 |
| SUMMARY | 5,137,000 | 2,650,320 | 1,738 | .038 |

(10)

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 12,380 | 1,460 | 1 | .009 |
| NOVEMBER | 68,670 | 19,510 | 13 | .021 |
| DECEMBER | 331,500 | 73,980 | 49 | .016 |
| JANUARY | 421,600 | 69,200 | 45 | .012 |
| FEBRUARY | 580,600 | 42,180 | 28 | .005 |
| MARCH | 583,900 | 95,680 | 63 | .012 |
| APRIL | 201,700 | 48,240 | 32 | .018 |
| MAY | 419,100 | 87,000 | 57 | .015 |
| JUNE | 157,800 | 10,520 | 7 | .005 |
| JULY | 26,060 | 3,450 | 2 | .010 |
| AUGUST | 11,270 | 1,010 | 1 | .007 |
| SEPTEMBER | 5,940 | 160 | | .002 |
| SUMMARY | 2,821,000 | 452,390 | 298 | .012 |

(13)

SABINE RIVER WATERSHED

LOGANSFORT, LOUISIANA STATION ON THE SABINE RIVER - CONTINUED

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,650 | 240 | | .003 |
| NOVEMBER | 21,430 | 2,630 | 2 | .009 |
| DECEMBER | 33,700 | 2,880 | 2 | .006 |
| JANUARY | 191,700 | 38,380 | 25 | .015 |
| FEBRUARY | 355,200 | 66,240 | 43 | .014 |
| MARCH | 439,200 | 115,660 | 76 | .019 |
| APRIL | 268,300 | 41,810 | 27 | .011 |
| MAY | 220,200 | 41,320 | 26 | .014 |
| JUNE | 102,000 | 43,080 | 28 | .031 |
| JULY | 121,800 | 21,770 | 14 | .013 |
| AUGUST | 90,080 | 16,400 | 11 | .013 |
| SEPTEMBER | 33,070 | 1,110 | 1 | .002 |
| SUMMARY | 1,882,000 | 391,520 | 255 | .015 |

(14)

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 32,420 | 5,720 | 4 | .013 |
| NOVEMBER | 32,140 | 4,120 | 3 | .009 |
| DECEMBER | 30,420 | 3,120 | 2 | .008 |
| JANUARY | 94,400 | 12,220 | 8 | .010 |
| FEBRUARY | 237,600 | 43,300 | 28 | .013 |
| MARCH | 236,600 | 61,570 | 40 | .019 |
| APRIL | 120,300 | 23,560 | 15 | .014 |
| MAY | 74,760 | 13,750 | 9 | .014 |
| JUNE | 114,900 | 37,000 | 24 | .024 |
| JULY | 41,700 | 9,560 | 6 | .017 |
| AUGUST | 6,450 | 860 | 1 | .010 |
| SEPTEMBER | 11,470 | 2,640 | 2 | .017 |
| SUMMARY | 1,033,000 | 217,420 | 142 | .015 |

(16)

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 262,900 | 42,960 | 28 | .012 |
| NOVEMBER | 213,800 | 38,980 | 26 | .013 |
| DECEMBER | 106,200 | 7,830 | 5 | .005 |
| JANUARY | 656,500 | 47,870 | 31 | .005 |
| FEBRUARY | 997,100 | 91,980 | 60 | .007 |
| MARCH | 473,700 | 131,030 | 86 | .020 |
| APRIL | 132,600 | 12,300 | 8 | .007 |
| MAY | 699,600 | 98,510 | 63 | .010 |
| JUNE | 413,700 | 439,490 | 288 | .078 |
| JULY | 98,470 | 7,910 | 5 | .006 |
| AUGUST | 104,700 | 8,000 | 5 | .006 |
| SEPTEMBER | 65,860 | 7,520 | 5 | .008 |
| SUMMARY | 4,225,000 | 934,380 | 610 | .016 |

(15)

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,820 | 720 | | .009 |
| NOVEMBER | 15,070 | 1,480 | 1 | .007 |
| DECEMBER | 51,860 | 5,830 | 4 | .008 |
| JANUARY | 89,650 | 4,700 | 3 | .004 |
| FEBRUARY | 344,900 | 64,760 | 42 | .014 |
| MARCH | 266,300 | 23,770 | 16 | .007 |
| APRIL | 383,600 | 69,080 | 45 | .013 |
| MAY | 396,600 | 59,140 | 39 | .011 |
| JUNE | 238,000 | 46,530 | 31 | .014 |
| JULY | 13,960 | 1,500 | 1 | .008 |
| AUGUST | 6,270 | 550 | | .006 |
| SEPTEMBER | 2,430 | 140 | | .004 |
| SUMMARY | 1,814,000 | 278,200 | 182 | .011 |

(17)

SABINE RIVER WATERSHED

LOGANSFORT, LOUISIANA STATION ON THE SABINE RIVER - CONTINUED

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,280 | 290 | | .009 |
| NOVEMBER | 7,070 | 1,220 | 1 | .013 |
| DECEMBER | 136,100 | 41,970 | 28 | .023 |
| JANUARY | 143,400 | 24,960 | 16 | .013 |
| FEBRUARY | 211,900 | 34,650 | 24 | .012 |
| MARCH | 430,200 | 94,330 | 62 | .016 |
| APRIL | 156,200 | 94,815 | 118 | .045 |
| MAY | 1,372,000 | 153,610 | 101 | .008 |
| JUNE | 291,100 | 31,910 | 21 | .008 |
| JULY | 78,070 | 24,160 | 16 | .023 |
| AUGUST | 33,570 | 5,380 | 4 | .012 |
| SEPTEMBER | 29,510 | 3,550 | 2 | .009 |
| SUMMARY | 2,891,000 | 510,845 | 393 | .013 |

(18)

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 8,760 | 1,173 | 1 | .010 |
| NOVEMBER | 154,300 | 38,914 | 26 | .019 |
| DECEMBER | 64,940 | 13,205 | 9 | .015 |
| JANUARY | 114,400 | 21,630 | 14 | .014 |
| FEBRUARY | 257,700 | 50,043 | 33 | .014 |
| MARCH | 223,300 | 48,874 | 32 | .016 |
| APRIL | 428,000 | 86,683 | 57 | .015 |
| MAY | 183,300 | 42,914 | 28 | .017 |
| JUNE | 40,380 | 2,372 | 2 | .004 |
| JULY | 25,700 | 3,973 | 3 | .011 |
| AUGUST | 119,800 | 15,640 | 10 | .010 |
| SEPTEMBER | 32,990 | 4,924 | 3 | .011 |
| SUMMARY | 1,654,000 | 330,345 | 218 | .015 |

(20)

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 5,960 | 320 | | .004 |
| NOVEMBER | 22,030 | 680 | | .002 |
| DECEMBER | 127,400 | 24,830 | 16 | .014 |
| JANUARY | 170,400 | 56,060 | 37 | .024 |
| FEBRUARY | 165,100 | 309,530 | 203 | .138 |
| MARCH | 72,690 | 34,480 | 23 | .035 |
| APRIL | 87,840 | 13,970 | 9 | .012 |
| MAY | 302,100 | 63,100 | 41 | .015 |
| JUNE | 90,690 | 13,920 | 9 | .020 |
| JULY | 5,110 | 740 | | .011 |
| AUGUST | 2,120 | 380 | | .013 |
| SEPTEMBER | 1,320 | 80 | | .004 |
| SUMMARY | 1,013,000 | 518,090 | 338 | .038 |

(19)

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 14,170 | 1,115 | 1 | .006 |
| NOVEMBER | 5,470 | 245 | | .003 |
| DECEMBER | 14,420 | 1,200 | 1 | .006 |
| JANUARY | 24,900 | 2,530 | 2 | .007 |
| FEBRUARY | 194,100 | 42,914 | 28 | .016 |
| MARCH | 80,910 | 19,085 | 12 | .017 |
| APRIL | 83,250 | 18,450 | 12 | .016 |
| MAY | 317,400 | 87,896 | 58 | .020 |
| JUNE | 9,590 | 399 | | .003 |
| JULY | 3,430 | 111 | | .002 |
| AUGUST | 1,920 | 69 | | .003 |
| SEPTEMBER | 1,520 | 41 | | .002 |
| SUMMARY | 751,100 | 174,055 | 114 | .017 |

(21)

SABINE RIVER WATERSHED

LOGANSFORT, LOUISIANA STATION ON THE SABINE RIVER - CONTINUED

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,620 | 44 | | .002 |
| NOVEMBER | 11,460 | 912 | 1 | .006 |
| DECEMBER | 6,390 | 196 | | .002 |
| JANUARY | 13,410 | 570 | | .003 |
| FEBRUARY | 110,700 | 13,216 | 9 | .009 |
| MARCH | 135,100 | 31,731 | 21 | .017 |
| APRIL | 550,300 | 99,424 | 65 | .013 |
| MAY | 1,815,000 | 1,163,509 | 763 | .047 |
| JUNE | 843,600 | 265,594 | 174 | .023 |
| JULY | 43,580 | 3,609 | 2 | .006 |
| AUGUST | 16,420 | 1,205 | 1 | .005 |
| SEPTEMBER | 13,080 | 1,130 | 1 | .006 |
| SUMMARY | 3,561,000 | 1,581,140 | 1,037 | .033 |

(22)

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 77,580 | 4,214 | 3 | .004 |
| NOVEMBER | 54,200 | 2,389 | 2 | .003 |
| DECEMBER | 60,240 | 2,182 | 1 | .003 |
| JANUARY | 49,540 | 940 | 1 | .001 |
| FEBRUARY | 211,200 | 37,876 | 25 | .013 |
| MARCH | 256,500 | 43,991 | 29 | .013 |
| APRIL | 290,500 | 26,659 | 17 | .007 |
| MAY | 411,300 | 93,233 | 61 | .017 |
| JUNE | 127,800 | 7,588 | 5 | .004 |
| JULY | 49,900 | 3,656 | 2 | .005 |
| AUGUST | 62,610 | 5,782 | 4 | .007 |
| SEPTEMBER | 20,770 | 626 | | .002 |
| SUMMARY | 1,672,000 | 229,136 | 150 | .010 |

(23)

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 239,200 | 29,055 | 19 | .009 |
| NOVEMBER | 626,700 | 53,969 | 35 | .006 |
| DECEMBER | 352,300 | 50,121 | 33 | .010 |
| JANUARY | 371,900 | 51,680 | 34 | .010 |
| FEBRUARY | 248,400 | 20,664 | 14 | .006 |
| MARCH | 262,500 | | | |
| APRIL | 227,200 | | | |
| MAY | 1,469,000 | 344,000 | 226 | .017 |
| JUNE | 145,200 | 20,642 | 14 | .010 |
| JULY | 123,700 | 17,367 | 11 | .010 |
| AUGUST | 27,770 | 2,079 | 1 | .005 |
| SEPTEMBER | 146,200 | 14,166 | 9 | .007 |
| SUMMARY | 4,240,000 | | | |

{ 1960 (24)
 { 1961 (25)
 { 1962 (26)
 { 1963 (27)
 { 1964 (28)
 { 1965 (29)
 { 1966 (30)
 { 1967 (31)

SABINE RIVER WATERSHED

RULIFF STATION ON THE SABINE RIVER

Net Drainage Area: 9,440 sq. mi.

Location: State Highway No. 12 bridge between Daveyville, Texas and Starks, Louisiana

Records Avail ble: September 1, 1945 to September 30, 1946

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 77,570 | | | |
| NOVEMBER | 145,000 | | | |
| DECEMBER | 664,700 | | | |
| JANUARY | 2,082,000 | | | |
| FEBRUARY | 1,331,000 | | | |
| MARCH | 1,394,000 | | | |
| APRIL | 3,364,000 | | | |
| MAY | 925,200 | | | |
| JUNE | 292,800 | | | |
| JULY | 856,000 | | | |
| AUGUST | 331,700 | | | |
| SEPTEMBER ^{1/} | 115,800 | 78,760 | 52 | .050 |
| SUMMARY | 11,580,000 | | | |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 512,400 | 359,350 | 236 | .052 |
| NOVEMBER | 299,000 | 186,070 | 122 | .046 |
| DECEMBER | 610,500 | 334,570 | 219 | .040 |
| JANUARY | 1,779,000 | 826,620 | 542 | .034 |
| FEBRUARY | 2,233,000 | 1,225,010 | 803 | .040 |
| MARCH | 1,766,000 | 974,160 | 639 | .041 |
| APRIL | 987,000 | 335,130 | 220 | .025 |
| MAY | 998,900 | 268,910 | 176 | .020 |
| JUNE | 1,964,000 | 370,390 | 243 | .014 |
| JULY | 769,100 | 138,400 | 91 | .013 |
| AUGUST | 179,100 | 42,700 | 28 | .018 |
| SEPTEMBER ^{2/} | 143,600 | 19,000 | 12 | .010 |
| SUMMARY | 12,240,000 | 5,080,310 | 3,331 | .030 |

^{1/} Station was established September 1, 1945
^{2/} Station was discontinued September 30, 1946

NECHES RIVER WATERSHED

ROCKLAND STATION ON THE NECHES RIVER

Net Drainage Area: 3,539 sq. mi.

Location: U. S. Highway 69 bridge between Woodville and Lufkin

Records Available: August 8, 1930 to date

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|----------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,850 | | | |
| NOVEMBER | 41,900 | | | |
| DECEMBER | 54,000 | | | |
| JANUARY | 239,000 | | | |
| FEBRUARY | 324,000 | | | |
| MARCH | 197,000 | | | |
| APRIL | 92,800 | | | |
| MAY | 181,000 | | | |
| JUNE | 208,000 | | | |
| JULY | 9,410 | | | |
| AUGUST ^{1/} | 3,600 | 150 | | .003 |
| SEPTEMBER | 7,020 | 140 | | .001 |
| SUMMARY | 1,360,000 | | | |

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 873 | 76 | | .006 |
| NOVEMBER | 10,500 | 2,500 | 2 | .017 |
| DECEMBER | 208,000 | 31,340 | 21 | .011 |
| JANUARY | 719,000 | 42,520 | 28 | .004 |
| FEBRUARY | 805,000 | 52,480 | 34 | .005 |
| MARCH | 514,000 | 31,460 | 21 | .004 |
| APRIL | 156,000 | 17,810 | 12 | .008 |
| MAY | 84,200 | 11,070 | 7 | .010 |
| JUNE | 30,800 | 1,990 | 1 | .005 |
| JULY | 16,000 | 1,460 | 1 | .007 |
| AUGUST | 6,060 | 880 | 1 | .011 |
| SEPTEMBER | 10,500 | 350 | | .002 |
| SUMMARY | 2,560,000 | 193,936 | 128 | .006 |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 56,900 | 27,160 | 18 | .035 |
| NOVEMBER | 40,900 | 9,030 | 6 | .016 |
| DECEMBER | 230,000 | 26,050 | 17 | .008 |
| JANUARY | 259,000 | 29,670 | 19 | .008 |
| FEBRUARY | 254,000 | 23,900 | 16 | .007 |
| MARCH | 257,000 | 19,880 | 13 | .006 |
| APRIL | 145,000 | 20,910 | 14 | .011 |
| MAY | 204,000 | 68,280 | 45 | .025 |
| JUNE | 22,400 | 2,320 | 2 | .008 |
| JULY | 9,350 | 1,150 | 1 | .009 |
| AUGUST | 7,810 | 650 | | .006 |
| SEPTEMBER | 3,890 | 220 | | .004 |
| SUMMARY | 1,490,000 | 229,220 | 151 | .011 |

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 5,920 | 490 | | .005 |
| NOVEMBER | 6,720 | 350 | | .004 |
| DECEMBER | 50,700 | 14,790 | 10 | .021 |
| JANUARY | 151,000 | 16,750 | 11 | .008 |
| FEBRUARY | 262,000 | 22,290 | 15 | .006 |
| MARCH | 314,000 | 28,650 | 19 | .007 |
| APRIL | 286,000 | 14,280 | 9 | .004 |
| MAY | 152,000 | 12,670 | 8 | .006 |
| JUNE | 58,700 | 6,760 | 4 | .008 |
| JULY | 71,300 | 22,780 | 15 | .023 |
| AUGUST | 17,200 | 2,400 | 2 | .010 |
| SEPTEMBER | 20,400 | 2,490 | 2 | .009 |
| SUMMARY | 1,400,000 | 144,700 | 95 | .008 |

^{1/} Station was established August 8, 1930

MECHES RIVER WATERSHED

ROCKLAND STATION ON THE MECHES RIVER - CONTINUED

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,280 | 510 | | .007 |
| NOVEMBER | 7,080 | 620 | | .006 |
| DECEMBER | 18,900 | 2,010 | 1 | .008 |
| JANUARY | 210,000 | 39,130 | 26 | .014 |
| FEBRUARY | 307,000 | 35,590 | 23 | .008 |
| MARCH | 445,000 | 69,260 | 45 | .011 |
| APRIL | 419,000 | 17,000 | 11 | .003 |
| MAY | 118,000 | 8,950 | 6 | .006 |
| JUNE | 15,300 | 740 | | .004 |
| JULY | 3,810 | 150 | | .003 |
| AUGUST | 1,490 | 25 | | .001 |
| SEPTEMBER | 1,770 | 88 | | .004 |
| SUMMARY | 1,550,000 | 174,073 | 112 | .008 |

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 10,250 | 410 | | .003 |
| NOVEMBER | 62,300 | 14,350 | 9 | .017 |
| DECEMBER | 276,900 | 22,750 | 15 | .006 |
| JANUARY | 102,900 | 3,710 | 2 | .003 |
| FEBRUARY | 74,330 | 7,050 | 5 | .007 |
| MARCH | 72,540 | 7,070 | 5 | .007 |
| APRIL | 37,130 | 4,190 | 3 | .008 |
| MAY | 108,500 | 24,960 | 16 | .017 |
| JUNE | 96,350 | 7,900 | 5 | .006 |
| JULY | 175,700 | 44,640 | 29 | .019 |
| AUGUST | 15,930 | 2,520 | 2 | .012 |
| SEPTEMBER | 7,770 | 730 | | .007 |
| SUMMARY | 1,041,000 | 140,280 | 91 | .010 |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 3,700 | 330 | | .007 |
| NOVEMBER | 25,760 | 11,560 | 8 | .033 |
| DECEMBER | 165,200 | 23,500 | 15 | .010 |
| JANUARY | 180,500 | 16,030 | 11 | .007 |
| FEBRUARY | 174,000 | 23,880 | 16 | .010 |
| MARCH | 160,000 | 43,270 | 28 | .019 |
| APRIL | 168,800 | 30,930 | 20 | .013 |
| MAY | 1,240,000 | 104,030 | 68 | .006 |
| JUNE | 297,700 | 27,000 | 18 | .007 |
| JULY | 49,150 | 8,270 | 5 | .001 |
| AUGUST | 18,110 | 6,060 | 4 | .025 |
| SEPTEMBER | 18,990 | 2,240 | 1 | .009 |
| SUMMARY | 2,9510,000 | 297,100 | 194 | .009 |

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,160 | 520 | | .007 |
| NOVEMBER | 11,210 | 580 | | .004 |
| DECEMBER | 53,010 | 13,700 | 9 | .019 |
| JANUARY | 300,200 | 29,270 | 19 | .007 |
| FEBRUARY | 178,000 | 17,490 | 11 | .007 |
| MARCH | 173,400 | 28,920 | 19 | .012 |
| APRIL | 153,700 | 13,230 | 9 | .006 |
| MAY | 24,280 | 3,540 | 2 | .011 |
| JUNE | 13,650 | 1,120 | 1 | .006 |
| JULY | 4,990 | 330 | | .005 |
| AUGUST | 2,780 | 260 | | .007 |
| SEPTEMBER | 8,040 | 1,220 | 1 | .011 |
| SUMMARY | 928,400 | 110,180 | 71 | .009 |

NECHES RIVER WATERSHED

ROCKLAND STATION ON THE NECHES RIVER - CONTINUED

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 13,350 | 5,140 | 3 | .028 |
| NOVEMBER | 35,360 | 7,820 | 5 | .016 |
| DECEMBER | 98,810 | 17,220 | 11 | .013 |
| JANUARY | 209,700 | 49,190 | 32 | .017 |
| FEBRUARY | 187,800 | 20,180 | 13 | .008 |
| MARCH | 187,900 | 23,740 | 16 | .009 |
| APRIL | 435,400 | 63,950 | 42 | .011 |
| MAY | 174,200 | 33,750 | 22 | .014 |
| JUNE | 28,110 | 1,950 | 1 | .005 |
| JULY | 13,840 | 2,380 | 2 | .012 |
| AUGUST | 11,990 | 490 | | .003 |
| SEPTEMBER | 2,840 | 130 | | .003 |
| SUMMARY | 1,399,000 | 225,940 | 147 | .012 |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 998 | 110 | | .008 |
| NOVEMBER | 3,340 | 270 | | .006 |
| DECEMBER | 122,000 | 19,300 | 13 | .012 |
| JANUARY | 80,780 | 4,970 | 3 | .005 |
| FEBRUARY | 304,400 | 46,080 | 30 | .011 |
| MARCH | 45,290 | 7,180 | 5 | .012 |
| APRIL | 132,300 | 54,050 | 35 | .030 |
| MAY | 131,300 | 27,680 | 18 | .015 |
| JUNE | 154,000 | 56,050 | 37 | .027 |
| JULY | 94,920 | 9,820 | 6 | .008 |
| AUGUST | 13,920 | 1,090 | 1 | .006 |
| SEPTEMBER | 14,340 | 990 | 1 | .005 |
| SUMMARY | 1,098,000 | 227,590 | 149 | .015 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 1,450 | 70 | | .004 |
| NOVEMBER | 8,540 | 600 | | .005 |
| DECEMBER | 17,030 | 2,230 | 1 | .010 |
| JANUARY | 160,300 | 30,430 | 20 | .014 |
| FEBRUARY | 241,600 | 47,040 | 31 | .014 |
| MARCH | 235,800 | 31,700 | 21 | .010 |
| APRIL | 85,140 | 11,070 | 7 | .010 |
| MAY | 43,230 | 7,620 | 5 | .013 |
| JUNE | 48,060 | 9,050 | 6 | .014 |
| JULY | 8,660 | 390 | | .003 |
| AUGUST | 3,290 | 250 | | .006 |
| SEPTEMBER | 1,280 | 140 | | .008 |
| SUMMARY | 854,400 | 140,590 | 91 | .012 |

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 5,330 | 220 | | .003 |
| NOVEMBER | 268,200 | 55,490 | 36 | .015 |
| DECEMBER | 895,400 | 60,720 | 40 | .005 |
| JANUARY | 510,900 | 40,210 | 27 | .006 |
| FEBRUARY | 313,000 | 41,680 | 27 | .010 |
| MARCH | 481,200 | 60,910 | 40 | .009 |
| APRIL | 210,800 | 41,710 | 27 | .015 |
| MAY | 287,200 | 127,830 | 84 | .033 |
| JUNE | 320,900 | 76,760 | 50 | .018 |
| JULY | 217,600 | 62,550 | 41 | .021 |
| AUGUST | 23,330 | 3,450 | 2 | .011 |
| SEPTEMBER | 44,510 | 14,610 | 10 | .024 |
| SUMMARY | 3,578,000 | 586,140 | 384 | .012 |

NECHES RIVER WATERSHED

ROCKLAND STATION ON THE NECHES RIVER - CONTINUED

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 110,500 | 17,350 | 11 | .012 |
| NOVEMBER | 499,000 | 68,020 | 45 | .010 |
| DECEMBER | 209,600 | 34,400 | 23 | .012 |
| JANUARY | 170,400 | 34,520 | 23 | .015 |
| FEBRUARY | 155,400 | 19,180 | 12 | .009 |
| MARCH | 199,600 | 40,010 | 26 | .015 |
| APRIL | 378,400 | 74,500 | 49 | .014 |
| MAY | 361,000 | 98,580 | 65 | .020 |
| JUNE | 217,600 | 81,770 | 54 | .028 |
| JULY | 82,660 | 32,850 | 21 | .029 |
| AUGUST | 84,660 | 34,360 | 22 | .030 |
| SEPTEMBER | 53,570 | 15,380 | 10 | .021 |
| SUMMARY | 2,522,000 | 550,920 | 361 | .016 |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 16,380 | 8,050 | 5 | .036 |
| NOVEMBER | 34,590 | 19,970 | 13 | .042 |
| DECEMBER | 39,370 | 16,720 | 11 | .031 |
| JANUARY | 237,800 | 128,010 | 84 | .040 |
| FEBRUARY | 341,500 | 176,300 | 116 | .038 |
| MARCH | 424,900 | 221,260 | 145 | .038 |
| APRIL | 296,800 | 180,670 | 119 | .045 |
| MAY | 1,471,000 | 889,170 | 583 | .044 |
| JUNE | 297,600 | 179,120 | 117 | .044 |
| JULY | 23,260 | 15,310 | 10 | .048 |
| AUGUST | 8,130 | 4,660 | 3 | .042 |
| SEPTEMBER | 38,420 | 26,340 | 17 | .050 |
| SUMMARY | 3,230,000 | 1,865,580 | 1,223 | .042 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 18,860 | 4,710 | 3 | .018 |
| NOVEMBER | 32,300 | 11,460 | 8 | .026 |
| DECEMBER | 41,890 | 19,750 | 13 | .035 |
| JANUARY | 201,900 | 65,390 | 43 | .024 |
| FEBRUARY | 75,200 | 22,070 | 14 | .022 |
| MARCH | 66,870 | 31,390 | 21 | .034 |
| APRIL | 73,990 | 35,940 | 24 | .036 |
| MAY | 65,970 | 35,870 | 24 | .040 |
| JUNE | 110,900 | 56,680 | 37 | .038 |
| JULY | 40,170 | 21,930 | 14 | .040 |
| AUGUST | 17,050 | 8,930 | 6 | .038 |
| SEPTEMBER | 3,420 | 1,970 | 1 | .042 |
| SUMMARY | 748,500 | 316,090 | 208 | .031 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 8,570 | 3,990 | 3 | .034 |
| NOVEMBER | 40,300 | 22,850 | 15 | .042 |
| DECEMBER | 273,700 | 155,440 | 102 | .042 |
| JANUARY | 688,400 | 357,100 | 234 | .038 |
| FEBRUARY | 392,100 | 214,480 | 141 | .040 |
| MARCH | 431,700 | 256,730 | 168 | .044 |
| APRIL | 1,093,000 | 655,900 | 430 | .044 |
| MAY | 219,300 | 146,020 | 96 | .049 |
| JUNE | 62,200 | 42,700 | 28 | .050 |
| JULY | 108,600 | 66,650 | 44 | .045 |
| AUGUST | 66,420 | 35,510 | 23 | .039 |
| SEPTEMBER | 16,750 | 9,850 | 6 | .043 |
| SUMMARY | 3,401,000 | 1,967,220 | 1,290 | .042 |

NECHES RIVER WATERSHED

ROCKLAND STATION ON THE NECHES RIVER - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 116,110 | 72,790 | 48 | .046 |
| NOVEMBER | 83,570 | 36,330 | 24 | .032 |
| DECEMBER | 135,600 | 78,410 | 51 | .042 |
| JANUARY | 442,700 | 202,180 | 133 | .034 |
| FEBRUARY | 782,800 | 379,320 | 249 | .036 |
| MARCH | 531,900 | 210,000 | 138 | .029 |
| APRIL | 336,900 | 94,070 | 62 | .021 |
| MAY | 421,100 | 81,040 | 53 | .014 |
| JUNE | 458,900 | 89,290 | 59 | .014 |
| JULY | 117,100 | 25,260 | 17 | .016 |
| AUGUST | 25,800 | 7,120 | 5 | .020 |
| SEPTEMBER | 82,440 | 9,430 | 6 | .008 |
| SUMMARY | 3,535,000 | 1,285,240 | 845 | .027 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 8,510 | 620 | | .005 |
| NOVEMBER | 25,560 | 4,400 | 3 | .013 |
| DECEMBER | 91,790 | 7,410 | 5 | .006 |
| JANUARY | 106,700 | 5,060 | 3 | .003 |
| FEBRUARY | 320,400 | 29,330 | 19 | .007 |
| MARCH | 265,100 | 12,360 | 8 | .003 |
| APRIL | 203,500 | 20,630 | 14 | .007 |
| MAY | 125,300 | 25,570 | 17 | .015 |
| JUNE | 77,970 | 10,880 | 7 | .010 |
| JULY | 17,880 | 1,920 | 1 | .002 |
| AUGUST | 4,110 | 300 | | .005 |
| SEPTEMBER | 3,560 | 280 | | .006 |
| SUMMARY | 1,250,000 | 118,760 | 77 | .007 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 59,510 | 9,020 | 6 | .011 |
| NOVEMBER | 564,900 | 73,330 | 48 | .008 |
| DECEMBER | 344,700 | 26,930 | 18 | .006 |
| JANUARY | 648,700 | 39,960 | 26 | .005 |
| FEBRUARY | 225,400 | 30,410 | 20 | .010 |
| MARCH | 516,400 | 107,330 | 70 | .015 |
| APRIL | 242,400 | 16,670 | 11 | .005 |
| MAY | 375,300 | 51,090 | 34 | .010 |
| JUNE | 212,400 | 17,110 | 11 | .006 |
| JULY | 47,230 | 5,560 | 4 | .009 |
| AUGUST | 10,040 | 1,450 | 1 | .011 |
| SEPTEMBER | 8,540 | 350 | | .003 |
| SUMMARY | 3,256,000 | 379,210 | 249 | .009 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,310 | 180 | | .006 |
| NOVEMBER | 16,300 | 4,950 | 3 | .022 |
| DECEMBER | 23,000 | 1,270 | 1 | .004 |
| JANUARY | 114,900 | 24,850 | 16 | .016 |
| FEBRUARY | 198,000 | 26,240 | 17 | .010 |
| MARCH | 327,000 | 69,230 | 45 | .016 |
| APRIL | 259,600 | 29,490 | 19 | .008 |
| MAY | 140,200 | 13,570 | 9 | .007 |
| JUNE | 48,730 | 10,240 | 7 | .015 |
| JULY | 13,430 | 1,030 | 1 | .006 |
| AUGUST | 16,540 | 2,020 | 1 | .009 |
| SEPTEMBER | 12,860 | 750 | | .004 |
| SUMMARY | 1,173,000 | 183,820 | 119 | .012 |

NECHES RIVER WATERSHED

ROCKLAND STATION ON THE NECHES RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 140,700 | 43,820 | 29 | .023 |
| NOVEMBER | 89,900 | 3,800 | 2 | .003 |
| DECEMBER | 208,100 | 23,180 | 15 | .008 |
| JANUARY | 510,600 | 55,030 | 36 | .008 |
| FEBRUARY | 545,600 | 39,480 | 26 | .005 |
| MARCH | 320,000 | 29,910 | 20 | .007 |
| APRIL | 105,600 | 27,240 | 18 | .019 |
| MAY | 342,000 | 58,080 | 38 | .012 |
| JUNE | 497,400 | 45,330 | 30 | .007 |
| JULY | 39,430 | 3,250 | 2 | .006 |
| AUGUST | 13,870 | 560 | | .003 |
| SEPTEMBER | 11,240 | 560 | | .004 |
| SUMMARY | 2,824,000 | 330,240 | 216 | .009 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,380 | 680 | | .009 |
| NOVEMBER | 7,910 | 740 | | .007 |
| DECEMBER | 22,830 | 4,330 | 3 | .014 |
| JANUARY | 29,350 | 2,320 | 2 | .006 |
| FEBRUARY | 80,660 | 18,320 | 12 | .017 |
| MARCH | 161,400 | 21,670 | 14 | .010 |
| APRIL | 199,200 | 29,180 | 19 | .011 |
| MAY | 283,800 | 50,840 | 33 | .013 |
| JUNE | 91,660 | 13,220 | 9 | .011 |
| JULY | 9,330 | 850 | 1 | .007 |
| AUGUST | 3,550 | 320 | | .007 |
| SEPTEMBER | 920 | 80 | | .006 |
| SUMMARY | 896,000 | 142,550 | 93 | .012 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 11,480 | 760 | | .005 |
| NOVEMBER | 11,700 | 810 | 1 | .005 |
| DECEMBER | 18,890 | 1,170 | 1 | .005 |
| JANUARY | 29,740 | 2,370 | 2 | .006 |
| FEBRUARY | 46,600 | 4,640 | 3 | .007 |
| MARCH | 94,600 | 7,750 | 5 | .006 |
| APRIL | 98,550 | 7,710 | 5 | .006 |
| MAY | 38,330 | 8,260 | 5 | .016 |
| JUNE | 24,180 | 3,680 | 2 | .011 |
| JULY | 12,950 | 1,510 | 1 | .009 |
| AUGUST | 2,520 | 260 | | .008 |
| SEPTEMBER | 4,500 | 530 | | .009 |
| SUMMARY | 394,000 | 39,450 | 25 | .007 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 594 | 50 | | .006 |
| NOVEMBER | 7,530 | 670 | | .007 |
| DECEMBER | 46,870 | 13,950 | 9 | .022 |
| JANUARY | 81,800 | 13,770 | 9 | .012 |
| FEBRUARY | 115,900 | 22,220 | 15 | .014 |
| MARCH | 265,500 | 43,980 | 29 | .012 |
| APRIL | 182,300 | 19,170 | 13 | .008 |
| MAY | 1,080,000 | 100,070 | 66 | .007 |
| JUNE | 192,700 | 44,180 | 29 | .017 |
| JULY | 39,220 | 4,230 | 3 | .008 |
| AUGUST | 12,640 | 1,130 | 1 | .007 |
| SEPTEMBER | 9,750 | 980 | 1 | .007 |
| SUMMARY | 2,035,000 | 264,400 | 175 | .010 |

NECHES RIVER WATERSHED

ROCKLAND STATION ON THE NECHES RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 3,080 | 110 | | .003 |
| NOVEMBER | 8,690 | 440 | | .004 |
| DECEMBER | 65,670 | 7,070 | 5 | .008 |
| JANUARY | 77,940 | 14,340 | 9 | .014 |
| FEBRUARY | 52,090 | 7,300 | 5 | .010 |
| MARCH | 39,870 | 4,030 | 3 | .007 |
| APRIL | 55,800 | 21,150 | 14 | .028 |
| MAY | 169,600 | 38,210 | 25 | .017 |
| JUNE | 59,810 | 13,170 | 9 | .016 |
| JULY | 3,600 | 590 | | .012 |
| AUGUST | 1,520 | 320 | | .015 |
| SEPTEMBER | 482 | 20 | | .003 |
| SUMMARY | 538,200 | 106,750 | 70 | .015 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 8,430 | 309 | | .003 |
| NOVEMBER | 2,670 | 102 | | .003 |
| DECEMBER | 9,050 | 246 | | .002 |
| JANUARY | 15,490 | 1,411 | 1 | .007 |
| FEBRUARY | 78,890 | 12,330 | 8 | .011 |
| MARCH | 37,010 | 1,870 | 1 | .004 |
| APRIL | 71,540 | 11,083 | 7 | .011 |
| MAY | 91,670 | 6,203 | 4 | .005 |
| JUNE | 15,280 | 960 | 1 | .005 |
| JULY | 2,890 | 101 | | .003 |
| AUGUST | 673 | 30 | | .003 |
| SEPTEMBER | 298 | 10 | | .002 |
| SUMMARY | 333,900 | 34,655 | 22 | .008 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 1,130 | 58 | | .004 |
| NOVEMBER | 47,650 | 3,910 | 3 | .006 |
| DECEMBER | 49,340 | 9,404 | 6 | .014 |
| JANUARY | 66,200 | 8,649 | 6 | .010 |
| FEBRUARY | 182,200 | 46,226 | 30 | .019 |
| MARCH | 119,800 | 8,683 | 6 | .005 |
| APRIL | 317,400 | 63,887 | 42 | .015 |
| MAY | 94,110 | 21,150 | 14 | .016 |
| JUNE | 67,030 | 10,953 | 7 | .012 |
| JULY | 10,430 | 1,564 | 1 | .011 |
| AUGUST | 10,880 | 742 | | .005 |
| SEPTEMBER | 5,770 | 269 | | .003 |
| SUMMARY | 971,900 | 175,495 | 115 | .013 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 208 | 6 | | .002 |
| NOVEMBER | 1,690 | 94 | | .004 |
| DECEMBER | 3,690 | 416 | | .008 |
| JANUARY | 6,460 | 512 | | .006 |
| FEBRUARY | 18,930 | 1,474 | 1 | .006 |
| MARCH | 67,000 | 31,632 | 21 | .035 |
| APRIL | 136,300 | 20,272 | 13 | .011 |
| MAY | 875,300 | 248,759 | 163 | .021 |
| JUNE | 239,800 | 10,941 | 7 | .003 |
| JULY | 39,570 | 2,075 | 1 | .004 |
| AUGUST | 19,470 | 1,125 | 1 | .004 |
| SEPTEMBER | 7,650 | 962 | 1 | .009 |
| SUMMARY | 1,416,000 | 318,268 | 208 | .017 |

NECHES RIVER WATERSHED

ROCKLAND STATION ON THE NECHES RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 152,500 | 19,388 | 13 | .009 | OCTOBER | 94,670 | 4,268 | 3 | .003 |
| NOVEMBER | 464,600 | 38,997 | 26 | .006 | NOVEMBER | 28,380 | 1,003 | 1 | .003 |
| DECEMBER | 304,800 | 22,543 | 15 | .005 | DECEMBER | 39,630 | 993 | 1 | .002 |
| JANUARY | 395,100 | 57,066 | 37 | .011 | JANUARY | 39,670 | 928 | 1 | .002 |
| FEBRUARY | 220,300 | 24,513 | 16 | .008 | FEBRUARY | 128,100 | 14,292 | 9 | .008 |
| MARCH | 163,200 | 15,217 | 10 | .007 | MARCH | 124,500 | 6,882 | 5 | .004 |
| APRIL | 100,800 | 11,572 | 8 | .008 | APRIL | 285,100 | 26,019 | 17 | .007 |
| MAY | 422,500 | 22,316 | 15 | .004 | MAY | 279,900 | 13,986 | 9 | .004 |
| JUNE | 44,390 | 2,400 | 2 | .004 | JUNE | 204,600 | 9,556 | 6 | .003 |
| JULY | 53,440 | 2,892 | 2 | .004 | JULY | 72,700 | 9,345 | 6 | .009 |
| AUGUST | 12,630 | 847 | 1 | .005 | AUGUST | 58,140 | 2,742 | 2 | .003 |
| SEPTEMBER | 96,960 | 19,571 | 13 | .015 | SEPTEMBER | 13,890 | 328 | | .002 |
| SUMMARY | 2,431,000 | 237,322 | 158 | .007 | SUMMARY | 1,365,000 | 90,342 | 60 | .005 |

NECHES RIVER WATERSHED

(BORGER-BROADDUS) ZAVALLA STATION ON THE ANGELINA RIVER

Net Drainage Area: 2,803 sq. mi.

Location: State Highway No. 147 bridge between Broaddus and Zavalla

Records Available: September 1, 1945 to May 31, 1952; January 1, 1953 (previously published as December 11, 1952) to date

Comments: From 1945 to 1952 the station was located on State Highway 63 bridge between Zavalla and Jasper about 30 miles downstream from present location; net drainage area: 3,435 sq. mi.

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 12,740 | | | |
| NOVEMBER | 49,800 | | | |
| DECEMBER | 326,500 | | | |
| JANUARY | 879,200 | | | |
| FEBRUARY | 531,800 | | | |
| MARCH | 475,800 | | | |
| APRIL | 816,800 | | | |
| MAY | 220,600 | | | |
| JUNE | 77,410 | | | |
| JULY | 187,800 | | | |
| AUGUST | 68,070 | | | |
| SEPTEMBER 1/ | 19,470 | 11,020 | 7 | .042 |
| SUMMARY | 3,666,000 | | | |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 45,110 | 3,470 | 2 | .006 |
| NOVEMBER | 383,900 | 87,160 | 57 | .016 |
| DECEMBER | 331,300 | 32,210 | 21 | .007 |
| JANUARY | 729,300 | 55,440 | 36 | .006 |
| FEBRUARY | 276,400 | 46,780 | 31 | .012 |
| MARCH | 538,500 | 76,820 | 50 | .010 |
| APRIL | 321,100 | 19,250 | 13 | .004 |
| MAY | 305,500 | 46,920 | 31 | .011 |
| JUNE | 200,400 | 19,180 | 13 | .007 |
| JULY | 38,200 | 4,160 | 3 | .008 |
| AUGUST | 13,560 | 1,500 | 1 | .008 |
| SEPTEMBER | 10,470 | 640 | | .004 |
| SUMMARY | 3,201,000 | 393,530 | 258 | .009 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 165,700 | 121,060 | 79 | .054 |
| NOVEMBER | 84,990 | 39,300 | 26 | .034 |
| DECEMBER | 178,200 | 106,620 | 70 | .044 |
| JANUARY | 688,100 | 368,660 | 242 | .039 |
| FEBRUARY | 885,500 | 497,610 | 326 | .041 |
| MARCH | 569,100 | 266,150 | 175 | .034 |
| APRIL | 345,700 | 134,330 | 88 | .029 |
| MAY | 371,100 | 126,820 | 83 | .025 |
| JUNE | 393,800 | 121,060 | 79 | .023 |
| JULY | 94,020 | 20,940 | 14 | .016 |
| AUGUST | 33,690 | 8,440 | 6 | .018 |
| SEPTEMBER | 59,400 | 15,060 | 10 | .019 |
| SUMMARY | 3,869,000 | 1,826,050 | 1,198 | .035 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 11,460 | 1,000 | 1 | .006 |
| NOVEMBER | 49,960 | 9,900 | 6 | .015 |
| DECEMBER | 149,600 | 23,700 | 16 | .012 |
| JANUARY | 138,900 | 14,450 | 9 | .008 |
| FEBRUARY | 464,300 | 62,470 | 41 | .010 |
| MARCH | 310,800 | 21,970 | 14 | .005 |
| APRIL | 268,100 | 56,440 | 37 | .015 |
| MAY | 150,100 | 30,090 | 20 | .015 |
| JUNE | 45,780 | 5,340 | 4 | .009 |
| JULY | 18,070 | 1,060 | 1 | .004 |
| AUGUST | 5,900 | 430 | | .005 |
| SEPTEMBER | 6,120 | 220 | | .003 |
| SUMMARY | 1,619,000 | 227,070 | 149 | .010 |

1/ Station was established September 1, 1945

NECHES RIVER WATERSHED

(ROGGER-BROADUS) ZAVALLA STATION ON THE ANGELINA RIVER - CONTINUED

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,400 | 280 | | .004 |
| NOVEMBER | 32,850 | 5,860 | 5 | .022 |
| DECEMBER | 44,520 | 3,130 | 2 | .005 |
| JANUARY | 202,400 | 45,460 | 30 | .016 |
| FEBRUARY | 284,700 | 25,590 | 17 | .007 |
| MARCH | 349,700 | 90,310 | 59 | .019 |
| APRIL | 310,100 | 44,800 | 29 | .011 |
| MAY | 154,000 | 20,370 | 13 | .010 |
| JUNE | 81,060 | 30,670 | 20 | .028 |
| JULY | 33,920 | 2,610 | 2 | .006 |
| AUGUST | 28,140 | 1,720 | 1 | .004 |
| SEPTEMBER | 17,750 | 1,380 | 1 | .008 |
| SUMMARY | 1,545,000 | 276,680 | 180 | .013 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 22,580 | 1,490 | 1 | .005 |
| NOVEMBER | 27,290 | 3,250 | 2 | .009 |
| DECEMBER | 37,610 | 4,870 | 3 | .010 |
| JANUARY | 77,020 | 24,300 | 16 | .023 |
| FEBRUARY | 106,900 | 16,050 | 11 | .011 |
| MARCH | 160,300 | 26,260 | 17 | .012 |
| APRIL | 166,300 | 27,170 | 18 | .012 |
| MAY | 53,950 | 9,560 | 6 | .013 |
| JUNE | 31,650 | 4,310 | 3 | .010 |
| JULY | 9,570 | 1,300 | 1 | .010 |
| AUGUST | 2,880 | 310 | | .008 |
| SEPTEMBER | 4,840 | 590 | | .009 |
| SUMMARY | 701,000 | 119,460 | 78 | .013 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 172,200 | 45,990 | 30 | .020 |
| NOVEMBER | 99,770 | 6,380 | 4 | .005 |
| DECEMBER | 275,200 | 48,420 | 32 | .013 |
| JANUARY | 759,700 | 98,430 | 65 | .010 |
| FEBRUARY | 650,200 | 41,780 | 27 | .005 |
| MARCH | 372,800 | 31,300 | 21 | .006 |
| APRIL | 137,100 | 33,070 | 22 | .018 |
| MAY | 469,700 | 76,320 | 50 | .012 |
| JUNE | 628,700 | 89,640 | 59 | .010 |
| JULY | 72,510 | 7,930 | 5 | .008 |
| AUGUST | 24,200 | 1,290 | 1 | .004 |
| SEPTEMBER | 27,940 | 890 | 1 | .002 |
| SUMMARY | 3,690,000 | 481,440 | 317 | .010 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,950 | 660 | | .007 |
| NOVEMBER | 9,060 | 900 | 1 | .007 |
| DECEMBER | 38,910 | 8,590 | 6 | .016 |
| JANUARY | 43,490 | 5,140 | 3 | .009 |
| FEBRUARY | 121,500 | 22,490 | 15 | .014 |
| MARCH | 233,600 | 39,710 | 26 | .012 |
| APRIL | 200,400 | 29,940 | 20 | .011 |
| MAY 1/ | 192,500 | 26,940 | 19 | .011 |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

1/ Station was discontinued May 31, 1952

MECHES RIVER WATERSHED

(HORNER-BROADBUS) ZAVALLA STATION ON THE ANGELINA RIVER - CONTINUED

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1,990 | | | |
| NOVEMBER | 8,060 | | | |
| DECEMBER | 30,800 | | | |
| JANUARY ^{1/} | 57,180 | 9,800 | 6 | .013 |
| FEBRUARY | 132,600 | 19,140 | 13 | .011 |
| MARCH | 486,200 | 62,110 | 41 | .009 |
| APRIL | 132,900 | 21,130 | 14 | .012 |
| MAY | 1,165,000 | 133,860 | 88 | .008 |
| JUNE | 106,600 | 24,070 | 16 | .017 |
| JULY | 53,360 | 6,070 | 4 | .008 |
| AUGUST | 26,250 | 3,980 | 3 | .011 |
| SEPTEMBER | 16,170 | 1,480 | 1 | .007 |
| SUMMARY | 2,217,000 | | | |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 3,210 | 168 | | .004 |
| NOVEMBER | 22,740 | 5,660 | 4 | .018 |
| DECEMBER | 29,400 | 3,470 | 2 | .009 |
| JANUARY | 53,570 | 3,830 | 3 | .005 |
| FEBRUARY | 147,000 | 35,436 | 23 | .018 |
| MARCH | 107,900 | 13,481 | 9 | .009 |
| APRIL | 209,800 | 22,552 | 15 | .008 |
| MAY | 102,400 | 9,068 | 6 | .006 |
| JUNE | 76,520 | 12,919 | 9 | .012 |
| JULY | 16,560 | 1,331 | 1 | .005 |
| AUGUST | 29,480 | 3,504 | 2 | .009 |
| SEPTEMBER | 7,980 | 361 | | .003 |
| SUMMARY | 806,600 | 111,780 | 74 | .010 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 6,090 | 310 | | .004 |
| NOVEMBER | 14,100 | 700 | | .004 |
| DECEMBER | 65,240 | 8,160 | 5 | .009 |
| JANUARY | 85,150 | 9,960 | 7 | .009 |
| FEBRUARY | 74,940 | 6,700 | 4 | .007 |
| MARCH | 50,440 | 5,300 | 3 | .008 |
| APRIL | 50,870 | 6,320 | 4 | .009 |
| MAY | 158,100 | 36,380 | 24 | .017 |
| JUNE | 33,370 | 6,120 | 4 | .013 |
| JULY | 5,350 | 870 | 1 | .012 |
| AUGUST | 2,100 | 360 | | .013 |
| SEPTEMBER | 1,590 | 170 | | .008 |
| SUMMARY | 547,200 | 81,350 | 52 | .011 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 8,210 | 223 | | .002 |
| NOVEMBER | 5,150 | 154 | | .002 |
| DECEMBER | 13,380 | 857 | 1 | .005 |
| JANUARY | 20,810 | 920 | 1 | .003 |
| FEBRUARY | 98,360 | 25,270 | 17 | .019 |
| MARCH | 51,920 | 7,150 | 5 | .010 |
| APRIL | 99,430 | 17,924 | 12 | .013 |
| MAY | 188,600 | 37,164 | 24 | .014 |
| JUNE | 14,940 | 620 | | .003 |
| JULY | 4,190 | 151 | | .003 |
| AUGUST | 2,320 | 63 | | .002 |
| SEPTEMBER | 2,400 | 65 | | .002 |
| SUMMARY | 509,700 | 90,561 | 60 | .013 |

^{1/} Station was re-established at new location December 11, 1952 but sampling did not begin until January 1, 1953

NECHES RIVER WATERSHED

(HORGER-BROADBENT) ZAVALLA STATION ON THE ANGELINA RIVER - CONTINUED

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 1,680 | 46 | | .002 |
| NOVEMBER | 3,640 | 99 | | .002 |
| DECEMBER | 5,370 | 161 | | .002 |
| JANUARY | 8,510 | 232 | | .002 |
| FEBRUARY | 35,270 | 1,818 | 1 | .004 |
| MARCH | 67,420 | 9,358 | 6 | .010 |
| APRIL | 206,600 | 25,162 | 16 | .009 |
| MAY | 744,900 | 56,010 | 37 | .006 |
| JUNE | 222,600 | 10,609 | 7 | .003 |
| JULY | 42,420 | 1,431 | 1 | .002 |
| AUGUST | 16,140 | 480 | | .002 |
| SEPTEMBER | 10,270 | 492 | | .004 |
| SUMMARY | 1,365,000 | 105,898 | 68 | .006 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 238,600 | 12,316 | 8 | .004 |
| NOVEMBER | 52,630 | 2,260 | 1 | .003 |
| DECEMBER | 53,550 | 1,325 | 1 | .002 |
| JANUARY | 48,810 | 1,751 | 1 | .003 |
| FEBRUARY | 163,100 | 7,034 | 5 | .003 |
| MARCH | 120,000 | 4,505 | 3 | .003 |
| APRIL | 241,800 | 16,899 | 11 | .005 |
| MAY | 260,400 | 27,347 | 18 | .008 |
| JUNE | 84,850 | 4,172 | 3 | .004 |
| JULY | 54,010 | 6,974 | 5 | .009 |
| AUGUST | 38,770 | 1,590 | 1 | .003 |
| SEPTEMBER | 13,730 | 520 | | .003 |
| SUMMARY | 1,370,000 | 86,693 | 57 | .005 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 163,400 | 5,320 | 3 | .002 |
| NOVEMBER | 553,800 | 15,183 | 10 | .002 |
| DECEMBER | 301,600 | 21,044 | 14 | .005 |
| JANUARY | 296,800 | 25,741 | 17 | .006 |
| FEBRUARY | 223,900 | 18,874 | 12 | .006 |
| MARCH | 161,700 | 11,707 | 8 | .005 |
| APRIL | 96,200 | 11,146 | 7 | .009 |
| MAY | 402,000 | 87,835 | 58 | .016 |
| JUNE | 70,570 | 2,389 | 2 | .002 |
| JULY | 41,330 | 2,752 | 2 | .005 |
| AUGUST | 17,530 | 275 | | .001 |
| SEPTEMBER | 251,200 | 54,032 | 35 | .016 |
| SUMMARY | 2,580,000 | 256,298 | 168 | .007 |

TRINITY RIVER WATERSHED

ROSSER STATION ON THE TRINITY RIVER

Net Drainage Area: 8,162 sq. mi.

Location: State Highway 34 bridge between Eonls and Rosser

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

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 13,530 | | | |
| NOVEMBER ^{1/} | 9,500 | 390 | | .005 |
| DECEMBER | 5,710 | 84 | | |
| JANUARY | 20,880 | 14,000 | 9 | .049 |
| FEBRUARY | 30,550 | 110,120 | 72 | .264 |
| MARCH | 34,170 | 94,160 | 62 | .202 |
| APRIL | 198,100 | 359,370 | 236 | .133 |
| MAY | 53,390 | 152,710 | 100 | .223 |
| JUNE | 56,490 | 110,500 | 73 | .146 |
| JULY | 16,090 | 11,500 | 8 | .053 |
| AUGUST | 10,820 | 420 | | .003 |
| SEPTEMBER | 7,210 | 41 | | |
| SUMMARY | 453,500 | | | |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|---------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 9,660 | | | |
| NOVEMBER | 31,960 | | | |
| DECEMBER | 42,720 | | | |
| JANUARY | 24,000 | | | |
| FEBRUARY | 14,270 | | | |
| MARCH ^{3/} | 52,430 | 11,410 | 7 | .016 |
| APRIL | 76,270 | 99,910 | 66 | .096 |
| MAY | 411,700 | 112,910 | 74 | .020 |
| JUNE | 12,500 | 1,120 | 1 | .007 |
| JULY | 14,300 | 3,690 | 2 | .019 |
| AUGUST | 10,890 | 830 | 1 | .006 |
| SEPTEMBER | 10,610 | 420 | | .003 |
| SUMMARY | 710,300 | | | |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 8,000 | 340 | | .003 |
| NOVEMBER | 12,530 | 490 | | .003 |
| DECEMBER | 6,440 | 110 | | .001 |
| JANUARY | 5,690 | 130 | | .002 |
| FEBRUARY | 9,960 | 2,120 | 1 | .016 |
| MARCH | 11,100 | 10,560 | 7 | .070 |
| APRIL | 188,800 | 509,920 | 334 | .198 |
| MAY | 253,900 | 715,420 | 469 | .207 |
| JUNE ^{2/} | 309,200 | 312,070 | 205 | .081 |
| JULY | 320,600 | | | |
| AUGUST | 30,100 | | | |
| SEPTEMBER | 11,070 | | | |
| SUMMARY | 1,167,000 | | | |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 17,480 | 5,480 | 4 | .023 |
| NOVEMBER | 13,330 | 1,310 | 1 | .011 |
| DECEMBER | 13,030 | 880 | 1 | .005 |
| JANUARY | 29,700 | 17,380 | 12 | .043 |
| FEBRUARY | 12,470 | 540 | | .003 |
| MARCH | 10,620 | 880 | 1 | .006 |
| APRIL | 30,570 | 55,170 | 36 | .133 |
| MAY | 81,500 | 118,180 | 73 | .107 |
| JUNE | 14,120 | 2,760 | 1 | .014 |
| JULY | 14,840 | 2,410 | 1 | .012 |
| AUGUST | 11,920 | 750 | | .005 |
| SEPTEMBER | 8,050 | 860 | 1 | .008 |
| SUMMARY | 257,600 | 207,400 | 136 | .059 |

^{1/} Station was established November 15, 1938 but sampling did not begin until November 22, 1938

^{2/} Station was discontinued June 27, 1940

^{3/} Station was re-established March 1, 1953

TRINITY RIVER WATERSHED

ROSSER STATION ON THE TRINITY RIVER - CONTINUED

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 17,890 | 4,390 | 3 | .018 |
| NOVEMBER | 11,860 | 2,244 | 2 | .014 |
| DECEMBER | 8,940 | 1,338 | 1 | .011 |
| JANUARY | 11,750 | 1,120 | 1 | .007 |
| FEBRUARY | 17,410 | 6,965 | 5 | .029 |
| MARCH | 17,410 | 4,593 | 3 | .019 |
| APRIL | 26,540 | 21,933 | 14 | .006 |
| MAY | 47,210 | 72,746 | 48 | .113 |
| JUNE | 31,650 | 23,694 | 16 | .055 |
| JULY | 11,380 | 1,735 | 1 | .011 |
| AUGUST | 12,100 | 2,186 | 1 | .013 |
| SEPTEMBER | 11,910 | 1,628 | 1 | .010 |
| SUMMARY | 226,100 | 144,572 | 96 | .047 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 8,700 | 647 | | .005 |
| NOVEMBER | 13,440 | 4,593 | 3 | .025 |
| DECEMBER | 12,080 | 1,888 | 1 | .011 |
| JANUARY | 9,760 | 797 | 1 | .006 |
| FEBRUARY | 13,620 | 2,329 | 2 | .013 |
| MARCH | 22,640 | 14,743 | 10 | .048 |
| APRIL | 542,000 | 649,955 | 426 | .088 |
| MAY | 1,621,000 | 1,599,605 | 1,049 | .072 |
| JUNE | 1,194,000 | 1,136,059 | 745 | .070 |
| JULY | 432,000 | 845,907 | 555 | .144 |
| AUGUST | 293,000 | 527,224 | 346 | .132 |
| SEPTEMBER | 40,090 | 24,835 | 16 | .046 |
| SUMMARY | 4,202,000 | 4,808,582 | 3,154 | .084 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 10,430 | 802 | 1 | .006 |
| NOVEMBER | 7,820 | 213 | | .002 |
| DECEMBER | 10,740 | 741 | | .005 |
| JANUARY | 11,190 | 1,069 | 1 | .007 |
| FEBRUARY | 18,710 | 5,272 | 4 | .021 |
| MARCH | 9,860 | 268 | | .002 |
| APRIL | 12,650 | 4,668 | 3 | .027 |
| MAY | 85,420 | 225,907 | 148 | .194 |
| JUNE | 14,460 | 5,516 | 4 | .028 |
| JULY | 7,690 | 209 | | .002 |
| AUGUST | 7,170 | 195 | | .002 |
| SEPTEMBER | 7,070 | 192 | | .002 |
| SUMMARY | 203,200 | 245,052 | 161 | .089 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 55,090 | 61,689 | 40 | .082 |
| NOVEMBER | 371,700 | 243,671 | 160 | .048 |
| DECEMBER | 137,500 | 43,369 | 28 | .023 |
| JANUARY | 158,500 | 89,444 | 59 | .041 |
| FEBRUARY | 68,270 | 16,061 | 11 | .017 |
| MARCH | 243,500 | 184,395 | 121 | .056 |
| APRIL | 374,100 | 328,115 | 215 | .064 |
| MAY | 1,034,000 | 260,097 | 171 | .018 |
| JUNE | 307,200 | 210,573 | 138 | .050 |
| JULY | 167,900 | 110,703 | 72 | .048 |
| AUGUST | 62,040 | 13,606 | 9 | .016 |
| SEPTEMBER | 102,200 | 76,082 | 50 | .055 |
| SUMMARY | 3,082,000 | 1,637,805 | 1,074 | .039 |

TRINITY RIVER WATERSHED

ROSSER STATION ON THE TRINITY RIVER - CONTINUED

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 47,890 | 30,210 | 20 | .046 |
| NOVEMBER | 19,640 | 3,102 | 2 | .012 |
| DECEMBER | 20,600 | 1,337 | 1 | .005 |
| JANUARY | 19,840 | 1,116 | 1 | .004 |
| FEBRUARY | 55,580 | 48,579 | 32 | .064 |
| MARCH | 44,140 | 19,107 | 13 | .032 |
| APRIL | 55,250 | 72,168 | 47 | .096 |
| MAY | 66,680 | 125,575 | 82 | .138 |
| JUNE | 79,200 | 203,592 | 134 | .189 |
| JULY | 35,840 | 43,136 | 28 | .088 |
| AUGUST | 21,070 | 2,246 | 1 | .008 |
| SEPTEMBER | 14,850 | 1,333 | 1 | .007 |
| SUMMARY | 480,600 | 551,501 | 362 | .084 |

TRINITY RIVER WATERSHED

ROMAYOR STATION ON THE TRINITY RIVER

Net Drainage Area: 17,192 sq. mi.

Location: State Highway 105 bridge 2 miles south of Romayor

Records Available: August 10, 1936 to date

Comments: Sampling point was moved from railroad bridge to the present location a short distance downstream

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 108,700 | | | |
| NOVEMBER | 260,500 | | | |
| DECEMBER | 1,024,000 | | | |
| JANUARY | 172,500 | | | |
| FEBRUARY | 129,700 | | | |
| MARCH | 100,100 | | | |
| APRIL | 47,230 | | | |
| MAY | 431,400 | | | |
| JUNE | 312,100 | | | |
| JULY | 387,100 | | | |
| AUGUST 1/ | 35,180 | 2,720 | 2 | .010 |
| SEPTEMBER | 21,240 | 2,500 | 2 | .009 |
| SUMMARY | 3,030,000 | | | |

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 56,030 | 17,620 | 12 | .025 |
| NOVEMBER | 119,600 | 148,370 | 98 | .091 |
| DECEMBER | 319,100 | 437,050 | 287 | .101 |
| JANUARY | 802,400 | 952,120 | 625 | .087 |
| FEBRUARY | 1,232,000 | 1,301,000 | 853 | .078 |
| MARCH | 1,354,000 | 1,085,070 | 712 | .059 |
| APRIL | 1,750,000 | 1,746,710 | 1,146 | .073 |
| MAY | 725,600 | 711,680 | 467 | .072 |
| JUNE | 203,700 | 297,880 | 195 | .100 |
| JULY | 80,450 | 16,360 | 11 | .107 |
| AUGUST | 77,400 | 24,390 | 16 | .015 |
| SEPTEMBER | 32,880 | 1,370 | 1 | .004 |
| SUMMARY | 6,753,000 | 6,741,220 | 4,423 | .073 |

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 677,200 | 635,750 | 417 | .069 |
| NOVEMBER | 362,600 | 311,080 | 204 | .063 |
| DECEMBER | 367,200 | 431,680 | 283 | .086 |
| JANUARY | 845,600 | 716,250 | 470 | .062 |
| FEBRUARY | 333,400 | 150,520 | 99 | .033 |
| MARCH | 671,600 | 694,290 | 455 | .076 |
| APRIL | 307,200 | 345,420 | 227 | .083 |
| MAY | 79,000 | 17,690 | 12 | .016 |
| JUNE | 105,000 | 104,930 | 69 | .073 |
| JULY | 26,100 | 4,420 | 3 | .012 |
| AUGUST | 27,960 | 4,320 | 3 | .011 |
| SEPTEMBER | 98,060 | 65,250 | 43 | .049 |
| SUMMARY | 3,901,000 | 3,481,600 | 2,285 | .066 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 28,720 | 840 | 1 | .002 |
| NOVEMBER | 46,230 | 31,370 | 21 | .051 |
| DECEMBER | 42,960 | 8,280 | 5 | .014 |
| JANUARY | 294,800 | 365,240 | 240 | .091 |
| FEBRUARY | 419,700 | 666,980 | 437 | .117 |
| MARCH | 283,500 | 380,100 | 249 | .098 |
| APRIL | 304,000 | 556,150 | 365 | .134 |
| MAY | 238,700 | 431,420 | 283 | .133 |
| JUNE | 333,600 | 661,230 | 434 | .146 |
| JULY | 132,700 | 94,080 | 62 | .052 |
| AUGUST | 23,830 | 1,920 | 1 | .006 |
| SEPTEMBER | 16,410 | 1,170 | 1 | .005 |
| SUMMARY | 2,165,000 | 3,199,280 | 2,099 | .109 |

1/ Station was established August 10, 1936

TRINITY RIVER WATERSHED

ROMAYOR STATION ON THE TRINITY RIVER - CONTINUED

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 14,650 | 1,010 | 1 | .005 |
| NOVEMBER | 21,100 | 1,440 | 1 | .005 |
| DECEMBER | 245,300 | 360,500 | 237 | .108 |
| JANUARY | 51,750 | 21,260 | 14 | .030 |
| FEBRUARY | 342,000 | 455,330 | 299 | .097 |
| MARCH | 45,770 | 13,030 | 9 | .021 |
| APRIL | 440,800 | 871,090 | 571 | .145 |
| MAY | 568,000 | 1,290,290 | 846 | .167 |
| JUNE | 612,200 | 1,197,290 | 785 | .144 |
| JULY | 860,300 | 770,610 | 505 | .066 |
| AUGUST | 64,800 | 10,240 | 7 | .012 |
| SEPTEMBER | 38,290 | 6,870 | 5 | .013 |
| SUMMARY | 3,306,000 | 4,999,040 | 3,280 | .111 |

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 370,900 | 511,540 | 336 | .101 |
| NOVEMBER | 909,900 | 753,900 | 494 | .051 |
| DECEMBER | 271,400 | 142,280 | 93 | .039 |
| JANUARY | 177,200 | 49,250 | 32 | .020 |
| FEBRUARY | 191,700 | 176,400 | 116 | .068 |
| MARCH | 234,300 | 143,120 | 94 | .045 |
| APRIL | 1,528,000 | 1,766,120 | 1,158 | .085 |
| MAY | 3,732,000 | 3,460,400 | 2,270 | .068 |
| JUNE | 1,572,000 | 1,588,290 | 1,042 | .074 |
| JULY | 369,700 | 291,300 | 191 | .058 |
| AUGUST | 209,800 | 237,370 | 156 | .083 |
| SEPTEMBER | 334,200 | 328,020 | 215 | .072 |
| SUMMARY | 9,901,000 | 9,447,990 | 6,197 | .070 |

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 25,930 | 2,350 | 2 | .007 |
| NOVEMBER | 791,300 | 697,600 | 458 | .065 |
| DECEMBER | 2,058,000 | 1,679,040 | 1,101 | .046 |
| JANUARY | 1,399,000 | 612,340 | 402 | .032 |
| FEBRUARY | 910,000 | 1,107,770 | 726 | .089 |
| MARCH | 1,357,000 | 929,130 | 609 | .050 |
| APRIL | 413,000 | 638,770 | 419 | .114 |
| MAY | 1,275,000 | 1,229,410 | 806 | .071 |
| JUNE | 1,344,000 | 1,156,670 | 759 | .063 |
| JULY | 1,751,000 | 1,389,300 | 912 | .058 |
| AUGUST | 175,200 | 61,130 | 40 | .026 |
| SEPTEMBER | 158,600 | 153,980 | 101 | .071 |
| SUMMARY | 12,260,000 | 9,657,990 | 6,335 | .058 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 234,700 | 271,450 | 178 | .085 |
| NOVEMBER | 346,700 | 319,260 | 209 | .068 |
| DECEMBER | 275,300 | 230,300 | 151 | .061 |
| JANUARY | 599,500 | 489,710 | 321 | .060 |
| FEBRUARY | 139,100 | 60,520 | 40 | .032 |
| MARCH | 199,200 | 258,070 | 169 | .075 |
| APRIL | 772,200 | 1,098,990 | 721 | .105 |
| MAY | 614,100 | 975,680 | 640 | .117 |
| JUNE | 847,100 | 906,370 | 595 | .079 |
| JULY | 145,100 | 196,260 | 129 | .099 |
| AUGUST | 59,180 | 46,920 | 31 | .058 |
| SEPTEMBER | 66,190 | 61,420 | 40 | .068 |
| SUMMARY | 4,298,000 | 4,914,950 | 3,224 | .084 |

TRINITY RIVER WATERSHED

ROMAYOR STATION ON THE TRINITY RIVER - CONTINUED

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 233,700 | 376,320 | 247 | .118 |
| NOVEMBER | 47,240 | 34,920 | 23 | .054 |
| DECEMBER | 131,600 | 144,300 | 95 | .081 |
| JANUARY | 728,400 | 1,310,430 | 860 | .132 |
| FEBRUARY | 874,700 | 1,427,980 | 937 | .120 |
| MARCH | 1,148,000 | 1,751,320 | 1,149 | .112 |
| APRIL | 391,700 | 473,320 | 310 | .089 |
| MAY | 3,009,000 | 4,922,740 | 3,230 | .120 |
| JUNE | 793,100 | 821,500 | 539 | .076 |
| JULY | 68,270 | 34,110 | 22 | .037 |
| AUGUST | 48,020 | 29,510 | 19 | .045 |
| SEPTEMBER | 114,700 | 107,400 | 70 | .069 |
| SUMMARY | 7,588,000 | 11,433,850 | 7,501 | .111 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 513,400 | 821,250 | 539 | .118 |
| NOVEMBER | 201,900 | 198,730 | 130 | .072 |
| DECEMBER | 323,400 | 298,840 | 196 | .063 |
| JANUARY | 846,900 | 1,021,610 | 670 | .089 |
| FEBRUARY | 1,314,000 | 1,674,840 | 1,099 | .094 |
| MARCH | 1,278,000 | 1,458,940 | 957 | .084 |
| APRIL | 383,200 | 273,760 | 180 | .052 |
| MAY | 1,368,000 | 1,432,080 | 939 | .077 |
| JUNE | 1,704,000 | 1,184,760 | 777 | .051 |
| JULY | 202,700 | 147,550 | 97 | .053 |
| AUGUST | 57,800 | 7,710 | 5 | .010 |
| SEPTEMBER | 198,200 | 123,260 | 81 | .046 |
| SUMMARY | 8,392,000 | 8,643,330 | 5,670 | .076 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 44,640 | 26,370 | 17 | .043 |
| NOVEMBER | 234,600 | 279,010 | 183 | .087 |
| DECEMBER | 685,900 | 732,120 | 480 | .078 |
| JANUARY | 1,429,000 | 1,360,060 | 892 | .070 |
| FEBRUARY | 707,200 | 799,360 | 524 | .083 |
| MARCH | 2,589,000 | 3,065,330 | 2,011 | .087 |
| APRIL | 3,910,000 | 4,178,670 | 2,741 | .078 |
| MAY | 675,100 | 856,870 | 562 | .093 |
| JUNE | 655,200 | 708,120 | 464 | .079 |
| JULY | 904,100 | 1,132,910 | 743 | .092 |
| AUGUST | 162,600 | 179,580 | 118 | .081 |
| SEPTEMBER | 205,500 | 240,910 | 158 | .086 |
| SUMMARY | 12,200,000 | 13,559,310 | 8,893 | .081 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 80,150 | 22,940 | 15 | .021 |
| NOVEMBER | 1,637,000 | 1,738,540 | 1,140 | .078 |
| DECEMBER | 795,400 | 517,510 | 339 | .048 |
| JANUARY | 1,197,000 | 608,570 | 399 | .037 |
| FEBRUARY | 284,900 | 105,370 | 70 | .027 |
| MARCH | 954,100 | 788,960 | 517 | .061 |
| APRIL | 614,500 | 411,480 | 270 | .049 |
| MAY | 723,600 | 615,350 | 404 | .062 |
| JUNE | 250,900 | 147,000 | 96 | .043 |
| JULY | 234,300 | 178,750 | 117 | .056 |
| AUGUST | 59,030 | 9,390 | 6 | .012 |
| SEPTEMBER | 178,300 | 146,520 | 95 | .060 |
| SUMMARY | 7,009,000 | 5,290,980 | 3,468 | .055 |

TRINITY RIVER WATERSHED

ROMAYOR STATION ON THE TRINITY RIVER - CONTINUED

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 60,680 | 10,730 | 7 | .013 |
| NOVEMBER | 111,100 | 55,000 | 36 | .036 |
| DECEMBER | 618,400 | 404,300 | 265 | .048 |
| JANUARY | 425,600 | 425,570 | 279 | .073 |
| FEBRUARY | 626,100 | 323,570 | 212 | .038 |
| MARCH | 999,500 | 578,180 | 379 | .042 |
| APRIL | 402,600 | 301,340 | 198 | .055 |
| MAY | 807,800 | 912,430 | 598 | .083 |
| JUNE | 159,300 | 96,420 | 63 | .044 |
| JULY | 172,300 | 156,470 | 103 | .067 |
| AUGUST | 50,230 | 13,480 | 9 | .020 |
| SEPTEMBER | 43,150 | 7,230 | 5 | .012 |
| SUMMARY | 4,477,000 | 3,284,720 | 2,154 | .054 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 724,900 | 380,340 | 249 | .039 |
| NOVEMBER | 241,100 | 111,150 | 73 | .034 |
| DECEMBER | 421,100 | 251,520 | 165 | .044 |
| JANUARY | 852,400 | 696,280 | 457 | .060 |
| FEBRUARY | 1,670,000 | 1,334,380 | 875 | .059 |
| MARCH | 705,500 | 458,410 | 301 | .048 |
| APRIL | 554,300 | 476,690 | 313 | .063 |
| MAY | 1,201,000 | 887,050 | 582 | .054 |
| JUNE | 800,900 | 564,780 | 370 | .052 |
| JULY | 249,000 | 120,330 | 79 | .035 |
| AUGUST | 230,700 | 107,830 | 71 | .034 |
| SEPTEMBER | 366,900 | 150,230 | 99 | .030 |
| SUMMARY | 8,018,000 | 5,538,990 | 3,634 | .051 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 36,060 | 6,200 | 4 | .013 |
| NOVEMBER | 34,750 | 4,080 | 3 | .009 |
| DECEMBER | 42,290 | 4,430 | 3 | .008 |
| JANUARY | 184,000 | 154,200 | 101 | .062 |
| FEBRUARY | 560,400 | 519,960 | 341 | .068 |
| MARCH | 1,050,000 | 1,062,700 | 697 | .074 |
| APRIL | 674,800 | 576,030 | 378 | .063 |
| MAY | 337,800 | 236,880 | 155 | .052 |
| JUNE | 866,000 | 743,960 | 488 | .063 |
| JULY | 139,000 | 66,480 | 44 | .035 |
| AUGUST | 49,330 | 6,140 | 4 | .009 |
| SEPTEMBER | 55,240 | 30,640 | 20 | .041 |
| SUMMARY | 4,030,000 | 3,411,700 | 2,238 | .062 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 195,600 | 52,380 | 34 | .020 |
| NOVEMBER | 79,660 | 13,270 | 9 | .012 |
| DECEMBER | 55,560 | 6,910 | 5 | .009 |
| JANUARY | 72,100 | 26,060 | 17 | .027 |
| FEBRUARY | 139,400 | 139,980 | 92 | .074 |
| MARCH | 158,600 | 53,220 | 35 | .025 |
| APRIL | 95,260 | 19,040 | 12 | .015 |
| MAY | 134,400 | 66,180 | 43 | .036 |
| JUNE | 577,300 | 403,950 | 265 | .051 |
| JULY | 134,500 | 65,380 | 43 | .036 |
| AUGUST | 31,580 | 6,390 | 4 | .015 |
| SEPTEMBER | 54,090 | 32,090 | 21 | .044 |
| SUMMARY | 1,728,000 | 884,850 | 580 | .038 |

TRINITY RIVER WATERSHED

ROMAYOR STATION ON THE TRINITY RIVER - CONTINUED

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 26,900 | 4,860 | 3 | .013 |
| NOVEMBER | 33,050 | 9,130 | 6 | .020 |
| DECEMBER | 47,050 | 13,360 | 9 | .021 |
| JANUARY | 53,100 | 16,120 | 11 | .022 |
| FEBRUARY | 123,800 | 31,360 | 21 | .019 |
| MARCH | 160,300 | 73,260 | 48 | .034 |
| APRIL | 474,500 | 927,820 | 609 | .144 |
| MAY | 659,400 | 584,440 | 383 | .065 |
| JUNE | 376,100 | 179,400 | 118 | .035 |
| JULY | 31,750 | 4,800 | 3 | .011 |
| AUGUST | 17,590 | 2,060 | 1 | .009 |
| SEPTEMBER | 14,100 | 2,020 | 1 | .011 |
| SUMMARY | 2,018,000 | 1,848,630 | 1,213 | .067 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 36,710 | 19,600 | 13 | .039 |
| NOVEMBER | 71,800 | 26,620 | 17 | .027 |
| DECEMBER | 269,100 | 252,220 | 165 | .069 |
| JANUARY | 160,900 | 132,620 | 87 | .061 |
| FEBRUARY | 66,720 | 12,820 | 8 | .014 |
| MARCH | 44,530 | 4,520 | 3 | .007 |
| APRIL | 71,510 | 32,140 | 21 | .033 |
| MAY | 383,500 | 523,740 | 344 | .100 |
| JUNE | 44,540 | 7,970 | 5 | .013 |
| JULY | 30,790 | 12,270 | 8 | .029 |
| AUGUST | 33,840 | 7,070 | 5 | .015 |
| SEPTEMBER | 12,740 | 1,460 | 1 | .008 |
| SUMMARY | 1,227,000 | 1,033,050 | 677 | .062 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 13,710 | 1,760 | 1 | .009 |
| NOVEMBER | 55,160 | 62,890 | 41 | .084 |
| DECEMBER | 323,300 | 487,090 | 319 | .111 |
| JANUARY | 234,000 | 103,440 | 68 | .032 |
| FEBRUARY | 214,900 | 39,400 | 26 | .014 |
| MARCH | 528,200 | 577,440 | 379 | .080 |
| APRIL | 198,400 | 327,260 | 215 | .121 |
| MAY | 2,031,000 | 1,016,810 | 667 | .037 |
| JUNE | 285,300 | 144,610 | 95 | .037 |
| JULY | 41,630 | 13,050 | 9 | .023 |
| AUGUST | 29,200 | 5,960 | 4 | .015 |
| SEPTEMBER | 35,080 | 4,840 | 3 | .010 |
| SUMMARY | 3,990,000 | 2,784,550 | 1,827 | .051 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 121,400 | 116,683 | 76 | .071 |
| NOVEMBER | 229,000 | 189,550 | 124 | .061 |
| DECEMBER | 70,880 | 17,882 | 12 | .019 |
| JANUARY | 141,700 | 85,339 | 56 | .044 |
| FEBRUARY | 442,100 | 499,206 | 327 | .083 |
| MARCH | 176,900 | 178,747 | 117 | .074 |
| APRIL | 579,300 | 867,130 | 569 | .110 |
| MAY | 170,100 | 174,778 | 115 | .075 |
| JUNE | 103,500 | 40,657 | 27 | .029 |
| JULY | 32,260 | 13,142 | 9 | .030 |
| AUGUST | 28,420 | 1,317 | 1 | .003 |
| SEPTEMBER | 29,660 | 2,855 | 2 | .007 |
| SUMMARY | 2,125,000 | 2,187,241 | 1,435 | .076 |

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TRINITY RIVER WATERSHED

ROMAYOR STATION ON THE TRINITY RIVER - CONTINUED

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 38.140 | 8.140 | 5 | .005 |
| NOVEMBER | 16.300 | 863 | 1 | .004 |
| DECEMBER | 25.050 | 1.093 | 1 | .003 |
| JANUARY | 41.700 | 9.126 | 8 | .016 |
| FEBRUARY | 185.800 | 252.684 | 166 | .100 |
| MARCH | 58.700 | 18.407 | 12 | .023 |
| APRIL | 120.900 | 97.923 | 64 | .060 |
| MAY | 316.200 | 318.953 | 209 | .074 |
| JUNE | 46.080 | 9.362 | 6 | .015 |
| JULY | 12.350 | 4.39 | | .003 |
| AUGUST | 7.860 | 2.79 | | .003 |
| SEPTEMBER | 9.830 | 2.67 | | .002 |
| SUMMARY | 878.900 | 717.536 | 470 | .060 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 981.500 | 872.173 | 572 | .065 |
| NOVEMBER | 1,286.000 | 1,153.014 | 756 | .066 |
| DECEMBER | 550.200 | 315.632 | 207 | .042 |
| JANUARY | 790.500 | 585.878 | 384 | .054 |
| FEBRUARY | 410.300 | 191.335 | 125 | .034 |
| MARCH | 426.100 | 204.870 | 134 | .035 |
| APRIL | 427.100 | 323.618 | 212 | .056 |
| MAY | 2,289.000 | 1,907.771 | 1,251 | .061 |
| JUNE | 488.200 | 267.978 | 176 | .040 |
| JULY | 274.300 | 156.271 | 103 | .042 |
| AUGUST | 96.400 | 16.201 | 11 | .012 |
| SEPTEMBER | 447.000 | 487.283 | 320 | .030 |
| SUMMARY | 8,467.000 | 6,482.024 | 4,251 | .056 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 11.100 | 301 | | .002 |
| NOVEMBER | 77.520 | 26.078 | 17 | .025 |
| DECEMBER | 29.240 | 2.076 | 1 | .005 |
| JANUARY | 30.630 | 4.175 | 3 | .010 |
| FEBRUARY | 120.700 | 139.556 | 92 | .085 |
| MARCH | 242.500 | 223.061 | 146 | .068 |
| APRIL | 844.500 | 1,194.954 | 784 | .104 |
| MAY | 3,812.000 | 3,658.975 | 2,400 | .071 |
| JUNE | 2,685.000 | 900.408 | 590 | .025 |
| JULY | 600.000 | 133.798 | 88 | .015 |
| AUGUST | 623.300 | 310.438 | 204 | .037 |
| SEPTEMBER | 109.900 | 16.348 | 11 | .011 |
| SUMMARY | 9,186.000 | 6,610.168 | 4,336 | .053 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 160.000 | 50.739 | 33 | .023 |
| NOVEMBER | 55.300 | 5.918 | 4 | .008 |
| DECEMBER | 65.700 | 3.292 | 2 | .004 |
| JANUARY | 58.080 | 2.586 | 2 | .003 |
| FEBRUARY | 375.300 | 371.654 | 244 | .073 |
| MARCH | 154.100 | 59.827 | 39 | .029 |
| APRIL | 816.700 | 1,022.901 | 671 | .092 |
| MAY | 947.900 | 1,007.351 | 661 | .079 |
| JUNE | 368.300 | 362.100 | 238 | .072 |
| JULY | 406.700 | 323.709 | 212 | .058 |
| AUGUST | 105.100 | 25.186 | 17 | .018 |
| SEPTEMBER | 40.800 | 1.305 | 1 | .002 |
| SUMMARY | 3,554.000 | 3,236.568 | 2,124 | .067 |

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SAN JACINTO RIVER WATERSHED

CONROE STATION ON THE WEST FORK OF THE SAN JACINTO RIVER

Net Drainage Area: 832 sq. mi.

Location: U. S. Highway 75 bridge about 4 miles south of Co roe

Records Available: December 1, 1952 to date

Comments: This station replaced the Humble station which was discontinued April 30, 1952 due to intermittent backwater conditions caused by the construction of Lake Houston dam near Sheldon

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 534 | | | |
| NOVEMBER | 1,270 | | | |
| DECEMBER 1/ | 6,490 | 2,400 | 2 | .027 |
| JANUARY | 12,790 | 3,340 | 2 | .019 |
| FEBRUARY | 26,710 | 7,220 | 5 | .020 |
| MARCH | 13,090 | 3,280 | 2 | .018 |
| APRIL | 23,090 | 6,940 | 5 | .022 |
| MAY | 174,200 | 51,840 | 34 | .022 |
| JUNE | 3,430 | 410 | | .009 |
| JULY | 2,830 | 160 | | .004 |
| AUGUST | 2,010 | 290 | | .011 |
| SEPTEMBER | 5,500 | 960 | 1 | .013 |
| SUMMARY | 271,900 | | | |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 6,830 | 2,536 | 2 | .027 |
| NOVEMBER | 12,910 | 3,536 | 2 | .020 |
| DECEMBER | 4,630 | 939 | 1 | .015 |
| JANUARY | 14,950 | 4,045 | 3 | .020 |
| FEBRUARY | 79,640 | 33,146 | 22 | .031 |
| MARCH | 4,960 | 352 | | .005 |
| APRIL | 18,290 | 5,756 | 4 | .023 |
| MAY | 4,040 | 354 | | .006 |
| JUNE | 1,730 | 71 | | .003 |
| JULY | 1,330 | 60 | | .003 |
| AUGUST | 2,740 | 220 | | .005 |
| SEPTEMBER | 1,090 | 44 | | .003 |
| SUMMARY | 153,100 | 51,059 | 34 | .024 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 1,830 | 240 | | .010 |
| NOVEMBER | 8,280 | 1,080 | 1 | .010 |
| DECEMBER | 55,870 | 7,700 | 5 | .010 |
| JANUARY | 18,030 | 3,850 | 3 | .016 |
| FEBRUARY | 7,610 | 2,070 | 1 | .020 |
| MARCH | 3,870 | 200 | | .004 |
| APRIL | 4,100 | 300 | | .005 |
| MAY | 11,280 | 2,810 | 2 | .018 |
| JUNE | 1,090 | 140 | | .009 |
| JULY | 2,460 | 710 | | .021 |
| AUGUST | 2,570 | 540 | | .015 |
| SEPTEMBER | 517 | 60 | | .008 |
| SUMMARY | 117,500 | 19,700 | 12 | .012 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 863 | 23 | | .002 |
| NOVEMBER | 754 | 20 | | .002 |
| DECEMBER | 1,320 | 36 | | .002 |
| JANUARY | 2,720 | 141 | | .004 |
| FEBRUARY | 15,420 | 1,711 | 1 | .008 |
| MARCH | 6,120 | 992 | 1 | .012 |
| APRIL | 16,090 | 4,312 | 3 | .020 |
| MAY | 2,240 | 212 | | .007 |
| JUNE | 1,980 | 87 | | .003 |
| JULY | 781 | 68 | | .006 |
| AUGUST | 489 | 17 | | .003 |
| SEPTEMBER | 489 | 18 | | .003 |
| SUMMARY | 49,270 | 7,637 | 5 | .011 |

1/ Station was established December 1, 1952

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SAN JACINTO RIVER WATERSHED

CONROE STATION ON THE WEST FORK OF THE SAN JACINTO RIVER - CONTINUED

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 501 | 21 | | .003 |
| NOVEMBER | 776 | 21 | | .002 |
| DECEMBER | 2,060 | 154 | | .005 |
| JANUARY | 1,350 | 55 | | .003 |
| FEBRUARY | 3,190 | 1,871 | 1 | .043 |
| MARCH | 19,100 | 4,746 | 3 | .018 |
| APRIL | 99,460 | 40,635 | 27 | .115 |
| MAY | 77,590 | 31,123 | 20 | .029 |
| JUNE | 19,050 | 1,652 | 1 | .006 |
| JULY | 1,580 | 121 | | .006 |
| AUGUST | 610 | 22 | | .003 |
| SEPTEMBER | 1,540 | 80 | | .004 |
| SUMMARY | 226,800 | 80,501 | 52 | .026 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 13,400 | 1,994 | 1 | .011 |
| NOVEMBER | 3,910 | 129 | | .002 |
| DECEMBER | 2,870 | 84 | | .002 |
| JANUARY | 5,120 | 827 | 1 | .012 |
| FEBRUARY | 38,010 | 20,295 | 13 | .039 |
| MARCH | 8,750 | 1,175 | 1 | .010 |
| APRIL | 209,900 | 564,534 | 370 | .198 |
| MAY | 29,610 | 18,269 | 12 | .045 |
| JUNE | 11,540 | 4,700 | 3 | .030 |
| JULY | 3,490 | 311 | | .007 |
| AUGUST | 3,640 | 597 | | .012 |
| SEPTEMBER | 1,670 | 73 | | .003 |
| SUMMARY | 331,900 | 612,988 | 401 | .136 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 53,550 | 10,935 | 7 | .015 |
| NOVEMBER | 139,100 | 24,901 | 16 | .013 |
| DECEMBER | 36,360 | 3,825 | 3 | .008 |
| JANUARY | 111,900 | 15,624 | 10 | .010 |
| FEBRUARY | 52,090 | 7,658 | 5 | .011 |
| MARCH | 11,210 | 1,898 | 1 | .012 |
| APRIL | 18,730 | 2,871 | 2 | .011 |
| MAY | 61,130 | 5,902 | 4 | .007 |
| JUNE | 1,460 | 177 | | .009 |
| JULY | 829 | 17 | | .001 |
| AUGUST | 555 | 5 | | .001 |
| SEPTEMBER | 9,290 | 1,198 | 1 | .009 |
| SUMMARY | 496,200 | 75,011 | 49 | .011 |

SAN JACINTO RIVER WATERSHED

RUMBLE STATION ON THE WEST FORK OF THE SAN JACINTO RIVER

Net Drainage Area: 1,811 sq. mi.

Location: Highway bridge about 2 miles north of Rumble

Records Available: December 1, 1932 to December 31, 1933; July 1, 1937 to April 30, 1952

Comments: This station was replaced by the Conroe station approximately 25 miles upstream

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,850 | | | |
| NOVEMBER | 2,570 | | | |
| DECEMBER ^{1/} | 9,780 | 2,920 | 2 | .022 |
| JANUARY | 16,400 | 6,600 | 4 | .030 |
| FEBRUARY | 78,900 | 53,710 | 35 | .050 |
| MARCH | 103,000 | 74,210 | 49 | .053 |
| APRIL | 23,400 | 5,320 | 3 | .017 |
| MAY | 6,700 | 440 | | .005 |
| JUNE | 3,420 | 280 | | .006 |
| JULY | 3,950 | 540 | | .010 |
| AUGUST | 4,140 | 500 | | .009 |
| SEPTEMBER | 3,520 | 280 | | .006 |
| SUMMARY | 259,000 | | | |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,200 | 200 | | .007 |
| NOVEMBER | 2,120 | 98 | | .003 |
| DECEMBER ^{2/} | 3,130 | 220 | | .005 |
| JANUARY | 76,900 | | | |
| FEBRUARY | 228,000 | | | |
| MARCH | 191,000 | | | |
| APRIL | 173,000 | | | |
| MAY | 7,560 | | | |
| JUNE | 2,900 | | | |
| JULY | 2,240 | | | |
| AUGUST | 1,910 | | | |
| SEPTEMBER | 3,820 | | | |
| SUMMARY | 695,000 | | | |

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

^{1/} Station was established December 1, 1932

^{2/} Station was discontinued December 31, 1933 and later re-established July 1, 1937

SAN JACINTO RIVER WATERSHED

HUMBLE STATION ON THE WEST FORK OF THE SAN JACINTO RIVER - CONTINUED

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,790 | | | |
| NOVEMBER | 3,670 | | | |
| DECEMBER | 30,060 | | | |
| JANUARY | 118,700 | | | |
| FEBRUARY | 23,820 | | | |
| MARCH | 85,420 | | | |
| APRIL | 43,600 | | | |
| MAY | 4,690 | | | |
| JUNE | 4,070 | | | |
| JULY ^{1/} | 3,320 | 280 | | .006 |
| AUGUST | 5,000 | 570 | | .008 |
| SEPTEMBER | 4,220 | 520 | | .009 |
| SUMMARY | 333,400 | | | |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,080 | 61 | | .002 |
| NOVEMBER | 3,830 | 530 | | .010 |
| DECEMBER | 10,020 | 2,240 | 1 | .016 |
| JANUARY | 96,190 | 36,570 | 24 | .028 |
| FEBRUARY | 79,780 | 40,150 | 26 | .037 |
| MARCH | 54,020 | 24,980 | 10 | .034 |
| APRIL | 7,130 | 990 | 1 | .010 |
| MAY | 5,470 | 194 | | .003 |
| JUNE | 39,960 | 12,660 | 8 | .023 |
| JULY | 14,690 | 1,700 | 1 | .009 |
| AUGUST | 3,890 | 360 | | .007 |
| SEPTEMBER | 2,440 | 230 | | .007 |
| SUMMARY | 319,500 | 120,665 | 77 | .028 |

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 23,320 | 9,190 | 6 | .024 |
| NOVEMBER | 10,180 | 1,980 | 1 | .013 |
| DECEMBER | 55,100 | 18,510 | 12 | .025 |
| JANUARY | 66,960 | 28,120 | 18 | .031 |
| FEBRUARY | 64,440 | 22,710 | 15 | .026 |
| MARCH | 39,780 | 10,440 | 7 | .019 |
| APRIL | 44,470 | 11,100 | 7 | .018 |
| MAY | 144,900 | 43,220 | 28 | .022 |
| JUNE | 16,150 | 1,250 | 1 | .006 |
| JULY | 8,480 | 600 | | .005 |
| AUGUST | 4,350 | 430 | | .007 |
| SEPTEMBER | 8,110 | 3,100 | 2 | .028 |
| SUMMARY | 486,200 | 150,650 | 97 | .023 |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,930 | 76 | | .003 |
| NOVEMBER | 2,700 | 85 | | .002 |
| DECEMBER | 12,510 | 2,770 | 2 | .016 |
| JANUARY | 7,620 | 1,510 | 1 | .015 |
| FEBRUARY | 57,790 | 23,180 | 15 | .029 |
| MARCH | 8,380 | 1,380 | 1 | .012 |
| APRIL | 15,930 | 4,900 | 3 | .023 |
| MAY | 24,800 | 11,350 | 7 | .034 |
| JUNE | 110,700 | 110,260 | 72 | .073 |
| JULY | 35,040 | 6,140 | 4 | .013 |
| AUGUST | 2,860 | 200 | | .005 |
| SEPTEMBER | 2,420 | 220 | | .007 |
| SUMMARY | 282,700 | 162,071 | 105 | .042 |

^{1/} Station was re-established July 1, 1937

SAN JACINTO RIVER WATERSHED

GUMBLE STATION ON THE WEST FORK OF THE SAN JACINTO RIVER - CONTINUED

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 2,670 | 190 | | .005 |
| NOVEMBER | 717,800 | 410,370 | 269 | .042 |
| DECEMBER | 491,000 | 67,120 | 44 | .010 |
| JANUARY | 129,600 | 24,770 | 16 | .014 |
| FEBRUARY | 132,800 | 23,280 | 15 | .013 |
| MARCH | 226,100 | 91,080 | 60 | .030 |
| APRIL | 330,600 | 116,160 | 76 | .026 |
| MAY | 110,700 | 32,560 | 22 | .022 |
| JUNE | 261,600 | 72,650 | 48 | .020 |
| JULY | 55,980 | 21,030 | 14 | .028 |
| AUGUST | 8,110 | 1,260 | 1 | .011 |
| SEPTEMBER | 99,130 | 35,580 | 23 | .026 |
| SUMMARY | 2,566,000 | 896,050 | 588 | .026 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 7,400 | 3,480 | 2 | .035 |
| NOVEMBER | 36,000 | 12,790 | 8 | .026 |
| DECEMBER | 67,220 | 27,910 | 18 | .031 |
| JANUARY | 144,900 | 64,240 | 42 | .033 |
| FEBRUARY | 15,180 | 5,310 | 4 | .026 |
| MARCH | 36,800 | 18,640 | 12 | .037 |
| APRIL | 15,150 | 7,270 | 5 | .035 |
| MAY | 31,060 | 20,490 | 14 | .048 |
| JUNE | 42,360 | 27,590 | 18 | .048 |
| JULY | 94,280 | 75,430 | 50 | .059 |
| AUGUST | 51,040 | 25,200 | 17 | .036 |
| SEPTEMBER | 4,370 | 2,470 | 2 | .042 |
| SUMMARY | 545,800 | 290,820 | 192 | .039 |

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 101,500 | 22,310 | 15 | .016 |
| NOVEMBER | 207,400 | 53,870 | 35 | .019 |
| DECEMBER | 21,380 | 3,950 | 3 | .014 |
| JANUARY | 22,020 | 6,100 | 4 | .020 |
| FEBRUARY | 28,050 | 5,350 | 3 | .014 |
| MARCH | 31,060 | 9,200 | 6 | .022 |
| APRIL | 252,300 | 128,140 | 84 | .037 |
| MAY | 61,140 | 41,170 | 27 | .049 |
| JUNE | 68,090 | 41,800 | 27 | .045 |
| JULY | 73,710 | 40,810 | 27 | .041 |
| AUGUST | 12,260 | 6,020 | 4 | .036 |
| SEPTEMBER | 30,270 | 14,950 | 10 | .036 |
| SUMMARY | 909,200 | 373,670 | 245 | .030 |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 4,550 | 2,730 | 2 | .044 |
| NOVEMBER | 10,520 | 6,640 | 4 | .046 |
| DECEMBER | 27,280 | 20,290 | 13 | .055 |
| JANUARY | 209,300 | 149,100 | 98 | .052 |
| FEBRUARY | 176,000 | 135,240 | 89 | .056 |
| MARCH | 180,400 | 150,690 | 99 | .061 |
| APRIL | 22,400 | 14,000 | 9 | .046 |
| MAY | 184,000 | 135,580 | 89 | .054 |
| JUNE | 37,090 | 25,850 | 17 | .051 |
| JULY | 5,010 | 3,860 | 3 | .051 |
| AUGUST | 8,020 | 5,060 | 3 | .046 |
| SEPTEMBER | 16,070 | 11,530 | 8 | .053 |
| SUMMARY | 881,200 | 660,570 | 434 | .055 |

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SAN JACINTO RIVER WATERSHED

BUMBLE STATION ON THE WEST FORK OF THE SAN JACINTO RIVER - CONTINUED

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 5,350 | 3,270 | 2 | .045 |
| NOVEMBER | 66,390 | 57,750 | 38 | .064 |
| DECEMBER | 196,600 | 155,560 | 102 | .058 |
| JANUARY | 225,700 | 149,700 | 98 | .049 |
| FEBRUARY | 154,400 | 109,980 | 72 | .052 |
| MARCH | 57,220 | 44,110 | 29 | .057 |
| APRIL | 418,300 | 284,510 | 187 | .050 |
| MAY | 129,500 | 104,990 | 69 | .060 |
| JUNE | 34,100 | 24,240 | 16 | .052 |
| JULY | 12,120 | 8,740 | 6 | .053 |
| AUGUST | 141,000 | 140,580 | 92 | .073 |
| SEPTEMBER | 136,600 | 158,060 | 104 | .085 |
| SUMMARY | 1,577,000 | 1,241,490 | 815 | .058 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 65,330 | 4,350 | 3 | .005 |
| NOVEMBER | 563,000 | 144,090 | 95 | .019 |
| DECEMBER | 55,790 | 5,160 | 3 | .007 |
| JANUARY | 311,700 | 76,950 | 50 | .018 |
| FEBRUARY | 26,930 | 2,580 | 2 | .007 |
| MARCH | 119,700 | 28,220 | 19 | .017 |
| APRIL | 14,540 | 950 | 1 | .005 |
| MAY | 129,400 | 77,610 | 51 | .044 |
| JUNE | 19,140 | 3,010 | 2 | .012 |
| JULY | 7,800 | 870 | 1 | .009 |
| AUGUST | 6,260 | 770 | 1 | .009 |
| SEPTEMBER | 5,480 | 580 | | .008 |
| SUMMARY | 1,325,000 | 345,140 | 228 | .019 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 26,450 | 19,140 | 13 | .053 |
| NOVEMBER | 9,200 | 4,540 | 3 | .036 |
| DECEMBER | 74,690 | 51,630 | 34 | .051 |
| JANUARY | 220,000 | 146,310 | 96 | .049 |
| FEBRUARY | 235,300 | 150,300 | 99 | .047 |
| MARCH | 183,700 | 191,230 | 125 | .076 |
| APRIL | 28,110 | 9,510 | 6 | .025 |
| MAY | 279,200 | 135,320 | 89 | .036 |
| JUNE | 152,700 | 39,900 | 26 | .019 |
| JULY | 91,160 | 25,370 | 17 | .020 |
| AUGUST | 6,670 | 950 | 1 | .010 |
| SEPTEMBER | 13,150 | 610 | | .003 |
| SUMMARY | 1,320,000 | 774,810 | 509 | .043 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 3,910 | 410 | | .008 |
| NOVEMBER | 6,550 | 750 | | .008 |
| DECEMBER | 43,550 | 4,710 | 3 | .008 |
| JANUARY | 21,730 | 800 | 1 | .003 |
| FEBRUARY | 59,010 | 13,550 | 9 | .017 |
| MARCH | 82,780 | 7,910 | 5 | .007 |
| APRIL | 35,210 | 8,080 | 5 | .017 |
| MAY | 17,750 | 3,490 | 2 | .014 |
| JUNE | 4,470 | 670 | | .011 |
| JULY | 4,240 | 180 | | .003 |
| AUGUST | 2,300 | 160 | | .005 |
| SEPTEMBER | 2,840 | 430 | | .011 |
| SUMMARY | 284,300 | 41,140 | 25 | .011 |

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SAN JACINTO RIVER WATERSHED

BUMBLE STATION ON THE WEST FORK OF THE SAN JACINTO RIVER - CONTINUED

WATER YEAR 1949

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,120 | 200 | | .007 | OCTOBER | 5,680 | 650 | | .008 |
| NOVEMBER | 3,900 | 360 | | .007 | NOVEMBER | 3,950 | 350 | | .005 |
| DECEMBER | 3,750 | 300 | | .006 | DECEMBER | 4,300 | 350 | | .006 |
| JANUARY | 18,120 | 7,350 | 5 | .030 | JANUARY | 6,790 | 740 | | .008 |
| FEBRUARY | 90,220 | 39,050 | 26 | .032 | FEBRUARY | 10,440 | 1,160 | 1 | .008 |
| MARCH | 161,300 | 82,540 | 54 | .038 | MARCH | 20,520 | 9,590 | 6 | .034 |
| APRIL | 157,700 | 65,420 | 43 | .030 | APRIL | 15,140 | 5,340 | 4 | .026 |
| MAY | 25,700 | 3,220 | 2 | .009 | MAY | 4,750 | 1,590 | 1 | .025 |
| JUNE | 7,640 | 760 | | .007 | JUNE | 4,800 | 1,740 | 1 | .027 |
| JULY | 14,230 | 1,150 | 1 | .006 | JULY | 2,580 | 660 | | .019 |
| AUGUST | 3,770 | 600 | | .005 | AUGUST | 1,560 | 320 | | .015 |
| SEPTEMBER | 7,920 | 470 | | .004 | SEPTEMBER | 13,210 | 5,560 | 4 | .031 |
| SUMMARY | 502,400 | 201,420 | 131 | .029 | SUMMARY | 93,720 | 28,050 | 17 | .022 |

WATER YEAR 1950

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|---------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 253,900 | 271,927 | 178 | .079 | OCTOBER | 3,430 | 580 | | .012 |
| NOVEMBER | 11,810 | 952 | 1 | .006 | NOVEMBER | 3,680 | 570 | | .011 |
| DECEMBER | 149,800 | 68,456 | 45 | .034 | DECEMBER | 5,790 | 980 | 1 | .012 |
| JANUARY | 189,600 | 80,246 | 53 | .031 | JANUARY | 4,960 | 600 | | .009 |
| FEBRUARY | 217,900 | 99,482 | 65 | .034 | FEBRUARY | 35,410 | 7,420 | 5 | .016 |
| MARCH | 48,670 | 10,558 | 7 | .016 | MARCH | 22,030 | 3,750 | 3 | .012 |
| APRIL | 69,840 | 47,074 | 31 | .050 | APRIL ^{1/} | 151,800 | 78,500 | 51 | .038 |
| MAY | 94,340 | 31,075 | 20 | .024 | MAY | 58,110 | | | |
| JUNE | 305,700 | 272,154 | 179 | .065 | JUNE | 15,730 | | | |
| JULY | 29,590 | 4,507 | 3 | .011 | JULY | 5,220 | | | |
| AUGUST | 5,500 | 345 | | .005 | AUGUST | 2,620 | | | |
| SEPTEMBER | 9,900 | 538 | | .004 | SEPTEMBER | 2,210 | | | |
| SUMMARY | 1,387,000 | 887,314 | 582 | .047 | SUMMARY | 311,000 | | | |

^{1/} Station was discontinued April 30, 1952

SAN JACINTO RIVER WATERSHED

CLEVELAND STATION ON THE EAST FORK OF THE SAN JACINTO RIVER

Net Drainage Area: 330 sq. mi.

Location: U. S. Highway 59 bridge about 1 mile south of Cleveland

Records Available: December 1, 1952 to date

Comments: Sampling point was previously located a short distance upstream on State Highway 105 bridge

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 491 | | | |
| NOVEMBER | 1,310 | | | |
| DECEMBER ^{1/} | 4,780 | 1,890 | 1 | .029 |
| JANUARY | 4,760 | 750 | | .012 |
| FEBRUARY | 17,000 | 3,280 | 2 | .014 |
| MARCH | 5,370 | 1,130 | 1 | .015 |
| APRIL | 29,300 | 10,110 | 7 | .025 |
| MAY | 77,030 | 13,000 | 9 | .012 |
| JUNE | 2,020 | 140 | | .005 |
| JULY | 1,450 | 150 | | .008 |
| AUGUST | 1,360 | 200 | | .011 |
| SEPTEMBER | 1,110 | 30 | | .002 |
| SUMMARY | 146,000 | | | |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,090 | 335 | | .012 |
| NOVEMBER | 3,190 | 607 | | .014 |
| DECEMBER | 2,230 | 262 | | .009 |
| JANUARY | 6,720 | 1,609 | 1 | .018 |
| FEBRUARY | 37,800 | 17,850 | 12 | .035 |
| MARCH | 2,670 | 467 | | .013 |
| APRIL | 7,950 | 610 | | .005 |
| MAY | 2,590 | 779 | 1 | .022 |
| JUNE | 896 | 24 | | .002 |
| JULY | 685 | 40 | | .004 |
| AUGUST | 758 | 70 | | .007 |
| SEPTEMBER | 853 | 28 | | .002 |
| SUMMARY | 68,430 | 22,681 | 14 | .024 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 843 | 60 | | .005 |
| NOVEMBER | 1,320 | 90 | | .005 |
| DECEMBER | 6,200 | 550 | | .007 |
| JANUARY | 7,370 | 1,080 | 1 | .011 |
| FEBRUARY | 3,750 | 1,290 | 1 | .025 |
| MARCH | 1,850 | 120 | | .005 |
| APRIL | 3,530 | 1,390 | 1 | .029 |
| MAY | 4,460 | 1,630 | 1 | .027 |
| JUNE | 714 | 200 | | .021 |
| JULY | 2,310 | 830 | 1 | .026 |
| AUGUST | 3,600 | 1,320 | 1 | .027 |
| SEPTEMBER | 482 | 120 | | .018 |
| SUMMARY | 36,430 | 8,680 | 6 | .018 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 703 | 19 | | .002 |
| NOVEMBER | 620 | 17 | | .002 |
| DECEMBER | 1,080 | 29 | | .002 |
| JANUARY | 2,500 | 283 | | .008 |
| FEBRUARY | 6,900 | 1,509 | 1 | .016 |
| MARCH | 3,890 | 1,304 | 1 | .025 |
| APRIL | 4,200 | 769 | 1 | .013 |
| MAY | 1,200 | 59 | | .004 |
| JUNE | 1,300 | 286 | | .016 |
| JULY | 400 | 18 | | .003 |
| AUGUST | 339 | 10 | | .002 |
| SEPTEMBER | 265 | 7 | | .002 |
| SUMMARY | 23,400 | 4,310 | 3 | .014 |

^{1/} Station was established December 1, 1952

SAN JACINTO RIVER WATERSHED

CLEVELAND STATION ON THE EAST FORK OF THE SAN JACINTO RIVER - CONTINUED

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 345 | 8 | | .002 |
| NOVEMBER | 570 | 15 | | .002 |
| DECEMBER | 896 | 96 | | .008 |
| JANUARY | 801 | 24 | | .002 |
| FEBRUARY | 1,380 | 81 | | .004 |
| MARCH | 8,130 | 1,587 | 1 | .014 |
| APRIL | 16,760 | 4,011 | 3 | .018 |
| MAY | 28,460 | 4,370 | 3 | .011 |
| JUNE | 9,500 | 2,196 | 1 | .017 |
| JULY | 1,540 | 297 | | .014 |
| AUGUST | 1,410 | 71 | | .004 |
| SEPTEMBER | 2,560 | 423 | | .012 |
| SUMMARY | 72,450 | 13,179 | 8 | .013 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 5,650 | 723 | | .009 |
| NOVEMBER | 2,150 | 94 | | .003 |
| DECEMBER | 2,040 | 43 | | .002 |
| JANUARY | 1,790 | 44 | | .002 |
| FEBRUARY | 15,140 | 2,341 | 2 | .011 |
| MARCH | 3,980 | 207 | | .004 |
| APRIL | 82,970 | 28,714 | 19 | .025 |
| MAY | 7,450 | 986 | 1 | .010 |
| JUNE | 7,590 | 1,537 | 1 | .015 |
| JULY | 8,750 | 1,869 | 1 | .016 |
| AUGUST | 5,770 | 763 | 1 | .010 |
| SEPTEMBER | 1,370 | 75 | | .004 |
| SUMMARY | 144,600 | 37,396 | 25 | .019 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 29,370 | 4,360 | 3 | .011 |
| NOVEMBER | 68,780 | 12,231 | 8 | .013 |
| DECEMBER | 23,270 | 4,360 | 3 | .014 |
| JANUARY | 47,580 | 10,215 | 7 | .016 |
| FEBRUARY | 19,040 | 3,766 | 2 | .014 |
| MARCH | 5,840 | 761 | | .010 |
| APRIL | 3,380 | 700 | | .013 |
| MAY | 14,610 | 6,908 | 5 | .035 |
| JUNE | 1,120 | 46 | | .003 |
| JULY | 686 | 16 | | .002 |
| AUGUST | 823 | 33 | | .003 |
| SEPTEMBER | 12,470 | 2,861 | 2 | .017 |
| SUMMARY | 227,500 | 46,257 | 30 | .015 |

SAN JACINTO RIVER WATERSHED

BUFFMAN STATION ON THE SAN JACINTO RIVER

Net Drainage Area: 2,791 sq. mi.

Location: Sheldon Pumping Plant, City of Houston

Records Available: September 1, 1945 to March 31, 1952

Comments: Discontinued due to construction of dam

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 9,770 | | | |
| NOVEMBER | 88,230 | | | |
| DECEMBER | 274,700 | | | |
| JANUARY | 369,600 | | | |
| FEBRUARY | 267,800 | | | |
| MARCH | 113,500 | | | |
| APRIL | 763,700 | | | |
| MAY | 170,100 | | | |
| JUNE | 72,180 | | | |
| JULY | 36,900 | | | |
| AUGUST | 165,600 | | | |
| SEPTEMBER ^{1/} | 221,900 | 163,730 | 107 | .054 |
| SUMMARY | 2,554,000 | | | |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 85,160 | 26,010 | 17 | .022 |
| NOVEMBER | 1,186,000 | 1,649,900 | 1,082 | .102 |
| DECEMBER | 120,500 | 16,120 | 11 | .010 |
| JANUARY | 553,700 | 218,830 | 144 | .029 |
| FEBRUARY | 46,600 | 7,100 | 5 | .011 |
| MARCH | 208,700 | 92,880 | 61 | .033 |
| APRIL | 33,590 | 1,610 | 1 | .004 |
| MAY | 167,200 | 75,630 | 50 | .033 |
| JUNE | 28,740 | 4,840 | 3 | .012 |
| JULY | 14,800 | 1,570 | 1 | .008 |
| AUGUST | 11,980 | 1,450 | 1 | .009 |
| SEPTEMBER | 9,570 | 790 | 1 | .006 |
| SUMMARY | 2,467,000 | 2,096,730 | 1,377 | .062 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 4,4690 | 34,410 | 23 | .057 |
| NOVEMBER | 18,790 | 9,630 | 6 | .038 |
| DECEMBER | 153,800 | 118,690 | 78 | .057 |
| JANUARY | 364,200 | 237,940 | 156 | .048 |
| FEBRUARY | 396,200 | 270,590 | 177 | .050 |
| MARCH | 288,900 | 259,010 | 190 | .066 |
| APRIL | 46,440 | 15,700 | 10 | .025 |
| MAY | 421,800 | 246,610 | 162 | .043 |
| JUNE | 260,600 | 116,630 | 76 | .033 |
| JULY | 213,800 | 29,280 | 19 | .010 |
| AUGUST | 15,560 | 2,720 | 2 | .013 |
| SEPTEMBER | 21,920 | 3,810 | 2 | .013 |
| SUMMARY | 2,247,000 | 1,315,020 | 901 | .043 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 8,060 | 980 | 1 | .009 |
| NOVEMBER | 13,500 | 1,680 | 1 | .009 |
| DECEMBER | 72,110 | 25,650 | 17 | .026 |
| JANUARY | 41,700 | 4,480 | 3 | .008 |
| FEBRUARY | 114,700 | 24,820 | 16 | .016 |
| MARCH | 121,900 | 24,940 | 16 | .015 |
| APRIL | 65,710 | 15,130 | 10 | .017 |
| MAY | 31,780 | 5,070 | 3 | .012 |
| JUNE | 8,970 | 1,280 | 1 | .010 |
| JULY | 9,580 | 1,140 | 1 | .009 |
| AUGUST | 5,320 | 1,880 | 1 | .026 |
| SEPTEMBER | 6,410 | 1,250 | 1 | .014 |
| SUMMARY | 499,700 | 108,300 | 71 | .016 |

^{1/} Station was established September 1, 1945

SAN JACINTO RIVER WATERSHED

RUFFMAN STATION ON THE SAN JACINTO RIVER - CONTINUED

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 5,010 | 1,950 | 1 | .028 |
| NOVEMBER | 7,332 | 2,370 | 1 | .019 |
| DECEMBER | 8,000 | 570 | | .005 |
| JANUARY | 31,250 | 8,920 | 5 | .021 |
| FEBRUARY | 156,100 | 88,150 | 58 | .041 |
| MARCH | 329,700 | 132,290 | 120 | .041 |
| APRIL | 278,300 | 72,570 | 48 | .019 |
| MAY | 41,760 | 4,550 | 3 | .009 |
| JUNE | 19,330 | 1,320 | 1 | .007 |
| JULY | 28,740 | 7,200 | 5 | .018 |
| AUGUST | 17,470 | 2,950 | 2 | .012 |
| SEPTEMBER | 12,750 | 1,000 | 1 | .006 |
| SUMMARY | 936,900 | 374,450 | 246 | .029 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 9,870 | 1,250 | 1 | .009 |
| NOVEMBER | 7,920 | 690 | | .006 |
| DECEMBER | 9,290 | 410 | | .003 |
| JANUARY | 13,710 | 2,360 | 2 | .013 |
| FEBRUARY | 16,440 | 2,100 | 1 | .009 |
| MARCH | 40,210 | 11,660 | 8 | .021 |
| APRIL | 25,210 | 6,470 | 4 | .019 |
| MAY | 9,990 | 1,760 | 1 | .013 |
| JUNE | 9,870 | 3,190 | 2 | .024 |
| JULY | 5,570 | 1,100 | 1 | .014 |
| AUGUST | 4,060 | 670 | | .012 |
| SEPTEMBER | 19,100 | 10,040 | 7 | .039 |
| SUMMARY | 171,200 | 41,700 | 27 | .018 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 63,500 | 238,440 | 156 | .026 |
| NOVEMBER | 24,130 | 1,240 | 1 | .004 |
| DECEMBER | 321,000 | 126,540 | 33 | .029 |
| JANUARY | 397,500 | 110,060 | 72 | .020 |
| FEBRUARY | 363,900 | 104,140 | 68 | .021 |
| MARCH | 98,250 | 18,930 | 12 | .014 |
| APRIL | 108,400 | 69,500 | 46 | .047 |
| MAY | 179,500 | 52,500 | 34 | .022 |
| JUNE | 457,000 | 259,180 | 137 | .034 |
| JULY | 37,120 | 6,320 | 4 | .013 |
| AUGUST | 10,700 | 760 | | .005 |
| SEPTEMBER | 11,380 | 960 | 1 | .006 |
| SUMMARY | 2,698,000 | 933,770 | 614 | .026 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 6,540 | 1,360 | 1 | .015 |
| NOVEMBER | 7,120 | 910 | 1 | .009 |
| DECEMBER | 11,950 | 3,040 | 2 | .019 |
| JANUARY | 10,040 | 2,310 | 2 | .017 |
| FEBRUARY | 62,410 | 14,330 | 9 | .017 |
| MARCH 1/ | 29,540 | 8,710 | 6 | .022 |
| APRIL | 258,500 | | | |
| MAY | 128,900 | | | |
| JUNE | 27,360 | | | |
| JULY | 11,480 | | | |
| AUGUST | 5,000 | | | |
| SEPTEMBER | 5,320 | | | |
| SUMMARY | 564,200 | | | |

1/ Station was discontinued March 31, 1952

GRAZOS RIVER WATERSHED

ASPERMONT STATION ON THE DOUBLE MOUNTAIN FORK OF THE BRAZOS RIVER

Net Drainage Area: 1,510 sq. mi.

Location: U. S. Highway 83 bridge about 10 miles south of Aspermont

Records Available: June 4, 1924 to August 31, 1933

Comments: Used in studies made for the Baskin damsite

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | 35 | | | |
| FEBRUARY | 13 | | | |
| MARCH | 10 | | | |
| APRIL | 9,770 | | | |
| MAY | 4,510 | | | |
| JUNE 1/ | 732 | 600 | | .188 |
| JULY | 764 | 34,980 | 23 | 3.363 |
| AUGUST | | | | |
| SEPTEMBER | 7,470 | 226,000 | 148 | 2.222 |
| SUMMARY | | | | |

WATER YEAR 1926

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,910 | 56,050 | 37 | .697 |
| NOVEMBER | 1,980 | 4,440 | 3 | .165 |
| DECEMBER | 45 | | | |
| JANUARY | 30 | | | |
| FEBRUARY | 25 | | | |
| MARCH | 916 | 3,160 | 2 | .253 |
| APRIL | 14,700 | 728,440 | 478 | 3.640 |
| MAY | 8,320 | 186,360 | 122 | 1.645 |
| JUNE | 14,700 | 457,250 | 300 | 2.285 |
| JULY | 17,400 | 610,360 | 401 | 2.579 |
| AUGUST | 55,800 | 2,064,920 | 1,354 | 2.718 |
| SEPTEMBER | 25,700 | 437,930 | 287 | 1.252 |
| SUMMARY | 145,500 | 4,549,410 | 2,984 | 2.297 |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,470 | 60,900 | 40 | 1.811 |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | 22 | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | 40,000 | 1,379,610 | 905 | 2.534 |
| MAY | 14,800 | 392,900 | 258 | 1.950 |
| JUNE | 1,040 | 12,010 | 8 | .848 |
| JULY | 1,660 | 22,130 | 15 | .979 |
| AUGUST | 27,600 | 1,902,120 | 1,248 | 5.063 |
| SEPTEMBER | 37,400 | 1,251,100 | 821 | 2.457 |
| SUMMARY | 125,000 | 5,020,770 | 3,295 | 2.951 |

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 162,000 | 3,812,690 | 2,501 | 1.729 |
| NOVEMBER | 4,310 | | | |
| DECEMBER | 11,000 | 43,170 | 28 | .288 |
| JANUARY | 1,770 | | | |
| FEBRUARY | 2,980 | 17,690 | 12 | .436 |
| MARCH | 1,380 | 2,470 | 2 | .131 |
| APRIL | 3,990 | 41,260 | 27 | .760 |
| MAY | 688 | 7,100 | 5 | .758 |
| JUNE | 16,200 | 463,850 | 304 | 2.103 |
| JULY | 22,400 | 668,720 | 439 | 2.193 |
| AUGUST | 8,310 | 236,270 | 155 | 2.039 |
| SEPTEMBER | 4,470 | 133,500 | 88 | 2.194 |
| SUMMARY | 239,500 | 5,426,720 | 3,561 | 1.665 |

1/ Station was established June 4, 1924

BRAZOS RIVER WATERSHED

ASPERMONT STATION ON THE DOUBLE MOUNTAIN FORK OF THE BRAZOS RIVER - CONTINUED

WATER YEAR 1928

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,370 | 35,870 | 23 | 1.112 |
| NOVEMBER | 4 | | | |
| DECEMBER | 11 | | | |
| JANUARY | 85 | 1,190 | 1 | 1.028 |
| FEBRUARY | 1 | | | |
| MARCH | 158 | 460 | | .214 |
| APRIL | 9 | | | |
| MAY | 44,800 | 1,930,490 | 1,266 | 3.165 |
| JUNE | 3,840 | 15,480 | 11 | .315 |
| JULY | 50,300 | 1,729,470 | 1,134 | 2.526 |
| AUGUST | 19,500 | 475,860 | 312 | 1.793 |
| SEPTEMBER | 237 | | | |
| SUMMARY | 121,300 | 4,189,320 | 2,747 | 2.537 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 898 | 4,990 | 3 | .408 |
| NOVEMBER | 52 | | | |
| DECEMBER | 4 | | | |
| JANUARY | 2 | | | |
| FEBRUARY | 3 | | | |
| MARCH | 4 | | | |
| APRIL | 28,000 | 820,670 | 538 | 2.153 |
| MAY | 97,200 | 5,090,370 | 3,339 | 3.847 |
| JUNE | 19,300 | 531,180 | 348 | 2.022 |
| JULY | 554 | 3,140 | 2 | .416 |
| AUGUST | 111 | 230 | | .152 |
| SEPTEMBER | 5,950 | 72,660 | 48 | .897 |
| SUMMARY | 152,000 | 6,523,240 | 4,278 | 3.153 |

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 232 | 4,050 | 3 | 1.282 |
| NOVEMBER | 545 | 7,490 | 5 | 1.010 |
| DECEMBER | 74 | | | |
| JANUARY | 25 | | | |
| FEBRUARY | 71 | | | |
| MARCH | 664 | 14,490 | 9 | 1.603 |
| APRIL | 1,070 | 16,580 | 11 | 1.138 |
| MAY | 23,700 | 714,310 | 468 | 2.214 |
| JUNE | 19,100 | 564,280 | 370 | 2.170 |
| JULY | 12,600 | 253,510 | 166 | 1.478 |
| AUGUST | 6 | | | |
| SEPTEMBER | 54,800 | 1,874,150 | 1,229 | 2.512 |
| SUMMARY | 112,900 | 3,448,860 | 2,261 | 2.244 |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 11,400 | 318,500 | 209 | 2.052 |
| NOVEMBER | 1,370 | 5,960 | 4 | .320 |
| DECEMBER | 12,200 | 716,110 | 470 | 4.312 |
| JANUARY | 450 | 120 | | .020 |
| FEBRUARY | 1,780 | 4,200 | 3 | .173 |
| MARCH | 370 | 130 | | .026 |
| APRIL | 762 | 1,930 | 1 | .186 |
| MAY | 4,130 | 142,070 | 93 | 2.527 |
| JUNE | 2,270 | 103,720 | 68 | 3.357 |
| JULY | 3,300 | 45,470 | 30 | 1.012 |
| AUGUST | | | | |
| SEPTEMBER | 20 | | | |
| SUMMARY | 38,050 | 1,338,210 | 878 | 2.584 |

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GRAZOS RIVER WATERSHED

ASPERMONT STATION ON THE DOUBLE MOUNTAIN FORK OF THE GRAZOS RIVER - CONTINUED

WATER YEAR 1932

WATER YEAR 1933

| MOUTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 18,100 | 460,740 | 302 | 1.870 | OCTOBER | 4,830 | 11,950 | 8 | .182 |
| NOVEMBER | 9,880 | 186,800 | 123 | 1.389 | NOVEMBER | 916 | | | |
| DECEMBER | 806 | 660 | | .060 | DECEMBER | 14,900 | 374,430 | 246 | 1.846 |
| JANUARY | 4,040 | 13,180 | 9 | .240 | JANUARY | 1,810 | 91 | | .004 |
| FEBRUARY | 6,380 | 108,650 | 71 | 1.251 | FEBRUARY | 502 | | | |
| MARCH | 459 | 50 | | .008 | MARCH | 1,120 | 1,240 | 1 | .081 |
| APRIL | 9,040 | 384,210 | 252 | 3.122 | APRIL | 11 | | | |
| MAY | 14,900 | 440,520 | 289 | 2.172 | MAY | 18,900 | 697,260 | 457 | 2.710 |
| JUNE | 32,000 | 1,034,900 | 679 | 2.376 | JUNE | 305 | | | |
| JULY | 23,100 | 711,530 | 467 | 2.263 | JULY | 5,340 | 113,310 | 74 | 1.559 |
| AUGUST | 26,300 | 785,560 | 515 | 2.194 | AUGUST 1/ | 24,000 | 839,170 | 550 | 2.569 |
| SEPTEMBER | 90,400 | 630,400 | 413 | .512 | SEPTEMBER | 6,250 | | | |
| SUMMARY | 235,400 | 4,757,200 | 3,120 | 1.485 | SUMMARY | 78,880 | | | |

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1/ Station was discontinued August 31, 1933

BRAZOS RIVER WATERSHED

ASPERMONT STATION ON THE SALT FORK OF THE BRAZOS RIVER

Net Drainage Area: 2,220 (previously published as 2,216) sq. mi.
Location: Old State Highway 4 bridge, 10 miles north of Aspermont
Records Available: June 4, 1924 to August 29, 1925
Comments: Used in studies made for the Aspermont damsite

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | 160 | | | |
| FEBRUARY | 102 | | | |
| MARCH | 684 | | | |
| APRIL | 2,450 | | | |
| MAY | 17,300 | | | |
| JUNE 1/ | 25,600 | 423,060 | 278 | 1.426 |
| JULY | 1,370 | 8,950 | 6 | .480 |
| AUGUST | 157 | 210 | | .098 |
| SEPTEMBER | 8,590 | 256,280 | 168 | 2.192 |
| SUMMARY | | | | |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 1,240 | 11,460 | 7 | .679 |
| NOVEMBER | 7 | | | |
| DECEMBER | 26 | | | |
| JANUARY | 199 | 650 | | .240 |
| FEBRUARY | 38 | | | |
| MARCH | 5 | | | |
| APRIL | 59,900 | 3,203,290 | 2,101 | 3.928 |
| MAY | 13,200 | 275,700 | 181 | 1.534 |
| JUNE | 4,510 | 84,250 | 55 | 1.372 |
| JULY | 5,300 | 350,820 | 230 | 4.862 |
| AUGUST 2/ | 22,600 | 705,530 | 463 | 2.445 |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

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1/ Station was established June 4, 1924
 2/ Station was discontinued August 29, 1925

GRAZOS RIVER WATERSHED

SEYMOUR STATION ON THE GRAZOS RIVER

Net Drainage Area: 5,250 sq. mi.

Location: U. S. Highways 277 and 283 bridge about 1 mile southwest of courthouse in Seymour

Records Available: June 5, 1924 to July 13, 1930

Comments: Used in studies made for the Seymour damsite

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | 12,330 | | | |
| JANUARY | 1,270 | | | |
| FEBRUARY | 211 | | | |
| MARCH | 1,690 | | | |
| APRIL | 54,010 | | | |
| MAY | 21,170 | | | |
| JUNE 1/ | 40,540 | 1,050,172 | 689 | 1.903 |
| JULY | 546 | 1,271 | 1 | .171 |
| AUGUST | 737 | 4,424 | 3 | .441 |
| SEPTEMBER | 27,400 | 782,144 | 513 | 2.097 |
| SUMMARY | | | | |

WATER YEAR 1926

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 17,900 | 227,746 | 149 | .930 |
| NOVEMBER | 3,960 | 13,530 | 9 | .251 |
| DECEMBER | 309 | 25 | | .005 |
| JANUARY | 797 | 749 | | .069 |
| FEBRUARY | 22 | | | |
| MARCH | 6,910 | 117,578 | 77 | 1.250 |
| APRIL | 54,240 | 1,561,591 | 1,024 | 2.115 |
| MAY | 37,480 | 1,101,515 | 722 | 2.159 |
| JUNE | 52,510 | 1,360,251 | 892 | 1.903 |
| JULY | 38,300 | 816,449 | 530 | 1.566 |
| AUGUST | 267,000 | 5,967,304 | 3,914 | 1.642 |
| SEPTEMBER | 42,500 | 874,161 | 573 | 1.511 |
| SUMMARY | 522,000 | 12,041,499 | 7,396 | 1.695 |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 6,640 | 59,384 | 39 | .657 |
| NOVEMBER | 6 | | | |
| DECEMBER | | | | |
| JANUARY | 282 | | | |
| FEBRUARY | 208 | | | |
| MARCH | | | | |
| APRIL | 133,600 | 5,772,335 | 3,780 | 3.174 |
| MAY | 27,030 | 578,780 | 380 | 1.573 |
| JUNE | 6,810 | 98,541 | 65 | 1.063 |
| JULY | 3,840 | 34,290 | 22 | .656 |
| AUGUST | 63,100 | 2,254,740 | 1,479 | 2.625 |
| SEPTEMBER | 221,900 | 6,449,013 | 4,230 | 2.135 |
| SUMMARY | 463,400 | 15,247,083 | 10,001 | 2.417 |

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 294,700 | 5,913,097 | 3,178 | 1.474 |
| NOVEMBER | 8,960 | 47,323 | 31 | .388 |
| DECEMBER | 9,760 | 47,829 | 31 | .360 |
| JANUARY | 9,770 | 77,801 | 51 | .585 |
| FEBRUARY | 6,830 | 58,015 | 38 | .624 |
| MARCH | 1,910 | 1,700 | 1 | .063 |
| APRIL | 3,010 | 6,384 | 5 | .168 |
| MAY | 8,700 | 96,756 | 63 | .817 |
| JUNE | 31,710 | 535,250 | 351 | 1.240 |
| JULY | 34,890 | 642,594 | 421 | 1.353 |
| AUGUST | 1,340 | 4,761 | 3 | .261 |
| SEPTEMBER | 4,120 | 36,567 | 24 | .652 |
| SUMMARY | 415,700 | 7,468,637 | 4,397 | 1.320 |

1/ Station was established June 5, 1924

BRAZOS RIVER WATERSHED

SEYMOUR STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1928

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,260 | 1,698 | 1 | .099 |
| NOVEMBER | 80 | | | |
| DECEMBER | 197 | | | |
| JANUARY | 405 | 66 | | .012 |
| FEBRUARY | 293 | 100 | | .025 |
| MARCH | 1,180 | 3,084 | 2 | .192 |
| APRIL | | | | |
| MAY | 114,800 | 3,512,983 | 2,304 | 2.248 |
| JUNE | 11,170 | 42,878 | 28 | .282 |
| JULY | 85,320 | 2,876,837 | 1,887 | 2.477 |
| AUGUST | 34,350 | 55,757 | 362 | 1.180 |
| SEPTEMBER | 857 | 432 | | .037 |
| SUMMARY | 249,900 | 6,493,835 | 4,334 | 1.909 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 8,300 | 52,537 | 34 | .465 |
| NOVEMBER | 1,450 | 1,579 | 1 | .080 |
| DECEMBER | 126 | 27 | | .016 |
| JANUARY | 204 | 81 | | .029 |
| FEBRUARY | 344 | 192 | | .041 |
| MARCH | 111 | 23 | | .015 |
| APRIL | 128,000 | 2,343,526 | 1,537 | 1.345 |
| MAY | 187,000 | 5,220,890 | 3,424 | 2.051 |
| JUNE | 107,000 | 2,669,832 | 1,751 | 1.233 |
| JULY 1/ | 806 | 658 | | .060 |
| AUGUST | 1,460 | | | |
| SEPTEMBER | 11,500 | | | |
| SUMMARY | 446,000 | | | |

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | 708 | 655 | | .068 |
| DECEMBER | 135 | 9 | | .005 |
| JANUARY | | | | |
| FEBRUARY | 338 | 78 | | .017 |
| MARCH | 2,340 | 2,421 | 2 | .076 |
| APRIL | 2,060 | 5,047 | 3 | .180 |
| MAY | 31,990 | 411,748 | 270 | .946 |
| JUNE | 42,140 | 976,894 | 641 | 1.703 |
| JULY | 29,540 | 455,595 | 299 | 1.133 |
| AUGUST | 31 | 8 | | .019 |
| SEPTEMBER | 173,000 | 4,806,476 | 3,153 | 2.041 |
| SUMMARY | 282,300 | 6,659,131 | 4,368 | 1.733 |

1/ Station was discontinued July 13, 1930

BRAZOS RIVER WATERSHED

CRYSTAL FALLS STATION ON THE CLEAR FORK OF THE BRAZOS RIVER

Net Drainage Area: 4,323 (previously published as 4,320) sq. mi.

Location: At Walker-Caldwell Water Company's pumping plant, one-fourth mile north of Crystal Falls

Records Available: September 3, 1925 to January 22, 1929

Comments: Used in studies of Breckenridge damsite; replaced the Eliasville Station; was discontinued but re-established at South Bend after the construction of Possum Kingdom Reservoir

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,530 | | | |
| NOVEMBER | 115 | | | |
| DECEMBER | 328 | | | |
| JANUARY | 568 | | | |
| FEBRUARY | 35 | | | |
| MARCH | 2 | | | |
| APRIL | 16,100 | | | |
| MAY | 55,500 | | | |
| JUNE | 5,290 | | | |
| JULY | 1,550 | | | |
| AUGUST | 8,590 | | | |
| SEPTEMBER ^{1/} | 78,000 | 295,540 | 194 | .278 |
| SUMMARY | 166,000 | | | |

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 16,600 | 29,880 | 20 | .132 |
| NOVEMBER | 353 | 38 | | .003 |
| DECEMBER | 38,900 | 144,300 | 95 | .273 |
| JANUARY | 1,390 | 110 | | .006 |
| FEBRUARY | 3,460 | 420 | | .009 |
| MARCH | 5,670 | 1,220 | 1 | .016 |
| APRIL | 63,700 | 365,830 | 240 | .422 |
| MAY | 495 | 44 | | .007 |
| JUNE | 6,870 | 4,720 | 3 | .050 |
| JULY | 25,000 | 48,250 | 32 | .142 |
| AUGUST | 927 | 150 | | .012 |
| SEPTEMBER | 12,400 | 49,110 | 32 | .291 |
| SUMMARY | 175,700 | 644,072 | 423 | .259 |

WATER YEAR 1926

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 24,200 | 35,610 | 23 | .108 |
| NOVEMBER | 3,030 | 260 | | .006 |
| DECEMBER | 695 | 63 | | .007 |
| JANUARY | 577 | 35 | | .004 |
| FEBRUARY | 189 | 7 | | .003 |
| MARCH | 5,930 | 3,150 | 2 | .039 |
| APRIL | 28,600 | 84,130 | 55 | .216 |
| MAY | 18,100 | 34,170 | 22 | .139 |
| JUNE ^{2/} | | | | |
| JULY | 12,200 | 13,460 | 9 | .081 |
| AUGUST | 7,680 | 7,110 | 5 | .068 |
| SEPTEMBER | 10,500 | 15,350 | 10 | .107 |
| SUMMARY | | | | |

WATER YEAR 1928

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 4,610 | 3,150 | 2 | .050 |
| NOVEMBER | 333 | 1 | | |
| DECEMBER | 155 | 9 | | .004 |
| JANUARY | 164 | 200 | | .090 |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | 197,000 | 1,196,760 | 785 | .446 |
| JUNE | 33,700 | 130,080 | 85 | .284 |
| JULY | 53,800 | 217,620 | 143 | .297 |
| AUGUST | 47,600 | 179,200 | 117 | .277 |
| SEPTEMBER | 1,540 | 1,760 | 1 | .084 |
| SUMMARY | 338,900 | 1,728,760 | 1,133 | .375 |

^{1/} Station was established September 3, 1925

^{2/} June record omitted, discharge for three days exceeded rating curve

BRAZOS RIVER WATERSHED

CRYSTAL FALLS STATION ON THE CLEAR FORK OF THE BRAZOS RIVER - CONTINUED

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 315 | | | |
| NOVEMBER | 3,610 | 2,120 | 1 | .043 |
| DECEMBER | 861 | 58 | | .005 |
| JANUARY ^{1/} | 259 | | | |
| FEBRUARY | 143 | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

^{1/} Station was discontinued January 22, 1929 but published records end with December 1928

GRAZOS RIVER WATERSHED

ELIASVILLE STATION ON THE CLEAR FORK OF THE GRAZOS RIVER

Net Drainage Area: 5,740 sq. mi.

Location: Suspension highway bridge 2.5 miles northeast of Eliasville

Records Available: June 3, 1924 to August 30, 1925

Comments: Station was used in the studies of the Breckenridge damsite

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | 2,700 | | | |
| FEBRUARY | 1,550 | | | |
| MARCH | 21,400 | | | |
| APRIL | 19,500 | | | |
| MAY | 54,200 | | | |
| JUNE ^{1/} | 8,160 | 2,360 | 1 | .026 |
| JULY | 4 | | | |
| AUGUST | 131 | | | |
| SEPTEMBER | 89,900 | 398,280 | 261 | .325 |
| SUMMARY | | | | |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|----------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,370 | 260 | | .014 |
| NOVEMBER | 95 | 11 | | .009 |
| DECEMBER | 354 | | | |
| JANUARY | 417 | | | |
| FEBRUARY | 93 | | | |
| MARCH | 18 | | | |
| APRIL | 16,800 | 53,170 | 35 | .232 |
| MAY | 83,700 | 538,420 | 353 | .473 |
| JUNE | 4,830 | 710 | | .011 |
| JULY | 3,240 | 700 | | .016 |
| AUGUST ^{2/} | 12,900 | 12,030 | 8 | .069 |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

^{1/} Station was established June 3, 1924
^{2/} Station was discontinued August 30, 1925

BRAZOS RIVER WATERSHED

SOUTH BEND STATION ON THE BRAZOS RIVER

Net Drainage Area: 12,360 sq. mi.

Location: U. S. Highway 67 bridge 3 miles north of South Bend

Records Available: January 15, 1942 to date

Comments: Station is located approximately 10 miles upstream from Possum Kingdom Dam and was established to measure the inflow of silt into the reservoir

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 714,500 | | 4,000 | |
| NOVEMBER | 108,700 | | 900 | |
| DECEMBER | 44,800 | | 200 | |
| JANUARY 1/ | 13,870 | 970 | 1 | .010 |
| FEBRUARY | 10,970 | 3,320 | 2 | .022 |
| MARCH | 5,620 | 340 | | .004 |
| APRIL | 296,100 | 1,568,240 | 1,028 | .389 |
| MAY | 73,430 | 321,800 | 211 | .322 |
| JUNE | 73,430 | 924,050 | 606 | .924 |
| JULY | 9,530 | 46,820 | 31 | .361 |
| AUGUST | 27,870 | 465,210 | 305 | 1.226 |
| SEPTEMBER | 168,000 | 1,251,180 | 821 | .547 |
| SUMMARY | 1,347,000 | | 3105 | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 743 | 500 | | .049 |
| NOVEMBER | 67 | 50 | | .055 |
| DECEMBER | 198 | 120 | | .045 |
| JANUARY | 1,540 | 1,000 | 1 | .048 |
| FEBRUARY | 15,820 | 168,860 | 111 | .784 |
| MARCH | 13,250 | 56,340 | 37 | .313 |
| APRIL | 3,240 | 3,770 | 2 | .085 |
| MAY | 48,650 | 239,010 | 157 | .361 |
| JUNE | 38,360 | 166,390 | 109 | .319 |
| JULY | 28,230 | 366,370 | 241 | .955 |
| AUGUST | 11,620 | 53,560 | 35 | .339 |
| SEPTEMBER | 9,640 | 14,850 | 10 | .113 |
| SUMMARY | 171,400 | 1,071,620 | 703 | .459 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 274,400 | 1,900,100 | 1,247 | .509 |
| NOVEMBER | 25,590 | 41,350 | 27 | .119 |
| DECEMBER | 17,380 | 14,200 | 9 | .060 |
| JANUARY | 8,300 | 4,210 | 3 | .037 |
| FEBRUARY | 3,100 | 290 | | .007 |
| MARCH | 19,420 | 23,320 | 15 | .088 |
| APRIL | 39,080 | 241,100 | 158 | .454 |
| MAY | 14,240 | 27,320 | 18 | .141 |
| JUNE | 78,060 | 1,334,470 | 876 | 1.256 |
| JULY | 11,370 | 259,660 | 170 | 1.678 |
| AUGUST | 122 | 80 | | .043 |
| SEPTEMBER | 2 | | | |
| SUMMARY | 491,100 | 3,846,100 | 2,523 | .575 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 51,260 | 320,350 | 225 | .460 |
| NOVEMBER | 4,860 | 3,990 | 3 | .060 |
| DECEMBER | 7,870 | 31,735 | 21 | .296 |
| JANUARY | 4,560 | 4,400 | 3 | .071 |
| FEBRUARY | 3,720 | 3,885 | 3 | .077 |
| MARCH | 66,650 | 322,850 | 212 | .356 |
| APRIL | 63,410 | 238,300 | 156 | .276 |
| MAY | 13,150 | 15,200 | 10 | .085 |
| JUNE | 48,360 | 372,985 | 245 | .560 |
| JULY | 118,700 | 855,155 | 561 | .529 |
| AUGUST | 7,660 | 7,360 | 5 | .076 |
| SEPTEMBER | 3,660 | 48,955 | 32 | .983 |
| SUMMARY | 394,500 | 2,225,765 | 1,476 | .414 |

1/ Station was established January 15, 1942

BRAZOS RIVER WATERSHED

SOUTH END STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 66,160 | 547,150 | 359 | .608 |
| NOVEMBER | 3,860 | 2,660 | 2 | .051 |
| DECEMBER | 2,000 | 770 | 1 | .028 |
| JANUARY | 4,240 | 1,910 | 1 | .033 |
| FEBRUARY | 1,440 | 410 | | .021 |
| MARCH | 1,230 | 920 | 1 | .055 |
| APRIL | 1,950 | 1,300 | 1 | .049 |
| MAY | 19,540 | 106,940 | 70 | .402 |
| JUNE | 35,210 | 392,460 | 257 | .819 |
| JULY | 19,840 | 392,050 | 257 | 1.452 |
| AUGUST | 55,920 | 444,330 | 291 | .584 |
| SEPTEMBER | 152,500 | 1,226,020 | 804 | .591 |
| SUMMARY | 363,900 | 3,116,920 | 2,044 | .629 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 31,130 | 113,340 | 74 | .267 |
| NOVEMBER | 10,190 | 3,910 | 3 | .028 |
| DECEMBER | 27,370 | 225,500 | 148 | .605 |
| JANUARY | 3,800 | 1,970 | 1 | .038 |
| FEBRUARY | 11,060 | 176,680 | 116 | 1.174 |
| MARCH | 15,400 | 122,810 | 81 | .586 |
| APRIL | 3,790 | 1,580 | 1 | .031 |
| MAY | 27,160 | 86,960 | 57 | .235 |
| JUNE | 131,100 | 826,170 | 542 | .463 |
| JULY | 118,700 | 1,137,170 | 746 | .704 |
| AUGUST | 10,440 | 21,800 | 14 | .153 |
| SEPTEMBER | 1,010 | 330 | | .024 |
| SUMMARY | 391,200 | 2,718,220 | 1,783 | .510 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 90,930 | 795,130 | 522 | .642 |
| NOVEMBER | 38,300 | 150,980 | 99 | .290 |
| DECEMBER | 66,450 | 228,070 | 150 | .252 |
| JANUARY | 6,850 | 2,900 | 2 | .031 |
| FEBRUARY | 2,080 | 770 | 1 | .027 |
| MARCH | 3,720 | 1,730 | 1 | .034 |
| APRIL | 3,630 | 1,720 | 1 | .035 |
| MAY | 488,800 | 3,198,280 | 2,098 | .481 |
| JUNE | 36,410 | 31,510 | 21 | .064 |
| JULY | 6,410 | 2,030 | 1 | .023 |
| AUGUST | 175 | 50 | | .021 |
| SEPTEMBER | 3,280 | 1,730 | 1 | .039 |
| SUMMARY | 747,000 | 4,414,900 | 2,897 | .434 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 14,980 | 150,180 | 99 | .736 |
| NOVEMBER | 11,290 | 277,350 | 182 | 1.803 |
| DECEMBER | 811 | 240 | | .022 |
| JANUARY | 7,620 | 8,510 | 6 | .082 |
| FEBRUARY | 10,390 | 24,420 | 16 | .173 |
| MARCH | 5,440 | 6,250 | 4 | .084 |
| APRIL | 9,350 | 12,920 | 8 | .102 |
| MAY | 212,300 | 2,644,780 | 1,735 | .915 |
| JUNE | 143,100 | 1,928,260 | 1,265 | .990 |
| JULY | 8,730 | 9,700 | 6 | .082 |
| AUGUST | 12,650 | 20,160 | 13 | .117 |
| SEPTEMBER | 78,060 | 1,110,650 | 728 | 1.045 |
| SUMMARY | 514,700 | 6,193,420 | 4,062 | .884 |

GRAZOS RIVER WATERSHED

SOUTH BEND STATION ON THE GRAZOS RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 41,270 | 261,500 | 172 | .465 |
| NOVEMBER | 6,880 | 5,620 | 4 | .060 |
| DECEMBER | 2,200 | 810 | 1 | .027 |
| JANUARY | 2,270 | 1,220 | 1 | .039 |
| FEBRUARY | 2,890 | 2,710 | 2 | .069 |
| MARCH | 960 | 420 | | .032 |
| APRIL | 42,380 | 310,540 | 204 | .538 |
| MAY | 187,200 | 2,603,240 | 1,707 | 1.022 |
| JUNE | 34,550 | 225,520 | 148 | .480 |
| JULY | 163,100 | 1,587,630 | 1,041 | .715 |
| AUGUST | 53,730 | 533,350 | 350 | .729 |
| SEPTEMBER | 150,800 | 1,701,880 | 1,116 | .829 |
| SUMMARY | 688,200 | 7,234,440 | 4,746 | .772 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 242 | 40 | | .012 |
| NOVEMBER | 341 | 140 | | .030 |
| DECEMBER | 25 | | | |
| JANUARY | 68 | | | |
| FEBRUARY | 296 | 20 | | .049 |
| MARCH | 183 | 10 | | .041 |
| APRIL | 2,810 | 3,840 | 3 | .100 |
| MAY | 20,190 | 487,021 | 319 | 1.772 |
| JUNE | 9,770 | 199,625 | 131 | 1.501 |
| JULY | 9,430 | 313,723 | 206 | 2.444 |
| AUGUST | 143 | 60 | | .031 |
| SEPTEMBER | | | | |
| SUMMARY | 43,500 | 1,004,479 | 659 | 1.696 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 13,360 | 72,830 | 52 | .400 |
| NOVEMBER | 2,240 | 810 | 1 | .027 |
| DECEMBER | 2,520 | 370 | | .011 |
| JANUARY | 2,270 | 140 | | .005 |
| FEBRUARY | 2,940 | 1,970 | 1 | .049 |
| MARCH | 1,920 | 110 | | .004 |
| APRIL | 1,480 | 100 | | .005 |
| MAY | 81,960 | 835,890 | 548 | .749 |
| JUNE | 126,900 | 1,139,350 | 747 | .660 |
| JULY | 19,200 | 73,150 | 48 | .280 |
| AUGUST | 16,620 | 422,500 | 277 | .187 |
| SEPTEMBER | 11,930 | 122,220 | 80 | .753 |
| SUMMARY | 283,300 | 2,669,440 | 1,754 | .692 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | 4,470 | 11,490 | 8 | .189 |
| DECEMBER | 1,620 | 850 | 1 | .039 |
| JANUARY | 151 | | | |
| FEBRUARY | 34 | | | |
| MARCH | 5,980 | 77,270 | 51 | .949 |
| APRIL | 5,580 | 19,870 | 13 | .262 |
| MAY | 61,140 | 686,390 | 450 | .825 |
| JUNE | 4,920 | 150 | | .002 |
| JULY | 245,800 | 730,941 | 479 | .218 |
| AUGUST | 74,930 | 269,630 | 177 | .264 |
| SEPTEMBER | 12,700 | 58,400 | 38 | .338 |
| SUMMARY | 417,300 | 1,854,991 | 1,217 | .327 |

BRAZOS RIVER WATERSHED

SOUTH BEND STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 213,900 | 2,190,640 | 1,437 | .752 |
| NOVEMBER | 20,520 | 78,040 | 51 | .279 |
| DECEMBER | 6,310 | 4,620 | 3 | .054 |
| JANUARY | 3,420 | 1,540 | 1 | .033 |
| FEBRUARY | 1,350 | 40 | | .002 |
| MARCH | 658 | 140 | | .016 |
| APRIL | 101,700 | 1,429,500 | 938 | 1.033 |
| MAY | 367,500 | 2,906,160 | 1,906 | .581 |
| JUNE | 38,730 | 210,390 | 138 | .399 |
| JULY | 2,810 | 540 | | .014 |
| AUGUST | 2,700 | 6,080 | 4 | .165 |
| SEPTEMBER | | | | |
| SUMMARY | 759,600 | 6,827,690 | 4,478 | .660 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 298,900 | 2,593,398 | 1,701 | .637 |
| NOVEMBER | 13,910 | 12,457 | 8 | .066 |
| DECEMBER | 9,160 | 9,476 | 0 | .076 |
| JANUARY | 7,370 | 973 | 1 | .010 |
| FEBRUARY | 5,620 | 201 | | .003 |
| MARCH | 2,300 | 60 | | .002 |
| APRIL | 1,290 | 35 | | .002 |
| MAY | 33,430 | 266,545 | 175 | .586 |
| JUNE | 8,590 | 17,969 | 12 | .154 |
| JULY | 93 | | | |
| AUGUST | 145 | 4 | | .002 |
| SEPTEMBER | 77 | 2 | | .002 |
| SUMMARY | 380,900 | 2,901,120 | 1,903 | .560 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1,890 | 2,097 | 1 | .082 |
| NOVEMBER | 14,040 | 121,047 | 79 | .633 |
| DECEMBER | 856 | 186 | | .016 |
| JANUARY | 5,300 | 4,774 | 3 | .066 |
| FEBRUARY | 7,250 | 22,499 | 15 | .228 |
| MARCH | 21,610 | 218,835 | 144 | .744 |
| APRIL | 7,090 | 35,045 | 23 | .363 |
| MAY | 204,600 | 3,061,954 | 2,204 | 1.099 |
| JUNE | 145,600 | 1,657,780 | 1,087 | .836 |
| JULY | 51,470 | 744,089 | 488 | 1.062 |
| AUGUST | 20,110 | 104,108 | 68 | .380 |
| SEPTEMBER | 428,500 | 4,521,535 | 2,966 | .775 |
| SUMMARY | 908,300 | 10,493,949 | 7,078 | .849 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 2,140 | 3,818 | 3 | .131 |
| NOVEMBER | 11,100 | 113,141 | 74 | .749 |
| DECEMBER | 8,500 | 17,206 | 11 | .149 |
| JANUARY | 427 | 34 | | .006 |
| FEBRUARY | 173,700 | 502,166 | 329 | .212 |
| MARCH | 10,550 | 17,798 | 12 | .124 |
| APRIL | 470,700 | 1,922,993 | 1,261 | .300 |
| MAY | 1,379,000 | 8,257,748 | 5,416 | .440 |
| JUNE | 347,100 | 4,142,267 | 2,717 | .877 |
| JULY | 27,870 | 128,278 | 84 | .338 |
| AUGUST | 13,050 | 23,423 | 15 | .132 |
| SEPTEMBER | 16,380 | 128,887 | 84 | .578 |
| SUMMARY | 2,461,000 | 15,257,759 | 10,006 | .455 |

GRAZOS RIVER WATERSHED

SOUTH BEND STATION ON THE GRAZOS RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 107,400 | 1,495,836 | 981 | 1.023 | OCTOBER | 8,300 | 20,286 | 13 | .180 |
| NOVEMBER | 84,440 | 1,179,710 | 774 | 1.026 | NOVEMBER | 2,770 | 953 | 1 | .025 |
| DECEMBER | 7,390 | 8,268 | 5 | .082 | DECEMBER | 1,480 | 236 | | .012 |
| JANUARY | 5,520 | 6,944 | 5 | .092 | JANUARY | 1,070 | 61 | | .004 |
| FEBRUARY | 3,830 | 3,805 | 2 | .073 | FEBRUARY | 764 | 1 | | |
| MARCH | 13,090 | 42,621 | 28 | .239 | MARCH | 480 | 1 | | |
| APRIL | 19,530 | 90,117 | 59 | .339 | APRIL | 2,350 | 3,711 | 2 | .116 |
| MAY | 149,600 | 1,770,867 | 1,162 | .870 | MAY | 42,660 | 196,405 | 129 | .338 |
| JUNE | 21,360 | 63,923 | 42 | .220 | JUNE | 160,900 | 3,793,004 | 2,488 | 1.732 |
| JULY | 111,600 | 594,233 | 390 | .391 | JULY | 96,470 | 2,157,497 | 1,415 | 1.643 |
| AUGUST | 5,820 | 11,950 | 8 | .151 | AUGUST | 16,570 | 205,637 | 135 | .912 |
| SEPTEMBER | 61,100 | 473,541 | 311 | .569 | SEPTEMBER | 5,480 | 22,310 | 15 | .299 |
| SUMMARY | 590,700 | 5,741,815 | 3,767 | .714 | SUMMARY | 339,300 | 6,400,102 | 4,198 | 1.386 |

BRAZOS RIVER WATERSHED

POSSUM KINGDOM RESERVOIR STATION ON THE BRAZOS RIVER

Net Drainage Area: 13,310 sq. mi.

Location: Samples taken in tailrace and over spillway

Records Available: January 15, 1942 to date

Comments: This station replaced the Mineral Wells station. Records of discharge from the dam were furnished by the Brazos River Conservation and Reclamation District until October 1, 1952, after which time the discharge records for the Palo Pinto station, operated by the United States Geological Survey were used. The Palo Pinto Station is approximately 20 miles downstream from the dam with a net drainage area of 13,520 sq. mi.

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY ^{1/} | 24,000 | 710 | | .002 |
| FEBRUARY | 8,330 | 600 | | .005 |
| MARCH | 7,380 | 200 | | .002 |
| APRIL | 197,000 | 23,620 | 16 | .009 |
| MAY | 98,880 | 4,720 | 3 | .004 |
| JUNE | 96,300 | 6,650 | 4 | .005 |
| JULY | 15,370 | 1,200 | 1 | .006 |
| AUGUST | 15,370 | 3,000 | 2 | .014 |
| SEPTEMBER | 125,400 | 14,370 | 10 | .008 |
| SUMMARY | | | | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 4,180 | 1,490 | 1 | .026 |
| NOVEMBER | 1,470 | 630 | 1 | .031 |
| DECEMBER | 1,270 | 320 | | .019 |
| JANUARY | 7,020 | 460 | | .005 |
| FEBRUARY | 4,990 | 370 | | .005 |
| MARCH | 3,570 | 260 | | .005 |
| APRIL | 2,510 | 180 | | .005 |
| MAY | 8,610 | 470 | | .004 |
| JUNE | 13,320 | 2,210 | 2 | .012 |
| JULY | 13,260 | 1,880 | 1 | .010 |
| AUGUST | 24,720 | 5,380 | 4 | .015 |
| SEPTEMBER | 7,120 | 1,940 | 1 | .020 |
| SUMMARY | 92,040 | 15,590 | 10 | .012 |

Palo Pinto 119,000

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 363,400 | 578,730 | 380 | .117 |
| NOVEMBER | 35,170 | 4,760 | 3 | .010 |
| DECEMBER | 11,400 | 1,010 | 1 | .007 |
| JANUARY | 40,840 | 2,010 | 1 | .004 |
| FEBRUARY | 66,380 | 3,500 | 2 | .004 |
| MARCH | 75,610 | 4,360 | 3 | .004 |
| APRIL | 72,530 | 2,430 | 2 | .002 |
| MAY | 33,600 | 1,820 | 1 | .004 |
| JUNE | 45,870 | 5,940 | 4 | .010 |
| JULY | 55,920 | 9,560 | 6 | .013 |
| AUGUST | 41,830 | 9,730 | 6 | .017 |
| SEPTEMBER | 8,740 | 1,900 | 1 | .016 |
| SUMMARY | 851,300 | 625,770 | 410 | .054 |

Palo Pinto 840,400

^{1/} Station was established January 15, 1942

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 19,040 | 6,640 | 4 | .026 |
| NOVEMBER | 18,200 | 5,330 | 3 | .022 |
| DECEMBER | 21,870 | 2,780 | 2 | .009 |
| JANUARY | 21,410 | 1,570 | 1 | .005 |
| FEBRUARY | 21,400 | 1,680 | 1 | .005 |
| MARCH | 24,370 | 1,650 | 1 | .005 |
| APRIL | 19,740 | 1,630 | 1 | .005 |
| MAY | 27,420 | 2,190 | 1 | .005 |
| JUNE | 38,130 | 3,400 | 2 | .007 |
| JULY | 40,130 | 4,320 | 3 | .009 |
| AUGUST | 38,930 | 14,200 | 9 | .027 |
| SEPTEMBER | 16,770 | 5,460 | 4 | .024 |
| SUMMARY | 307,400 | 51,350 | 32 | .012 |

Palo Pinto 382,600

BRAZOS RIVER WATERSHED

POSSUM KINGDOM RESERVOIR STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1946

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 11,050 | 5,250 | 3 | .035 |
| NOVEMBER | 8,400 | 4,560 | 3 | .040 |
| DECEMBER | 1,971 | 4,070 | 3 | .020 |
| JANUARY | 52,410 | 6,720 | 4 | .009 |
| FEBRUARY | 13,030 | 2,120 | 1 | .009 |
| MARCH | 5,860 | 750 | | .009 |
| APRIL | 15,140 | 900 | 1 | .004 |
| MAY | 11,140 | 1,290 | 1 | .009 |
| JUNE | 14,980 | 1,760 | 1 | .009 |
| JULY | 40,580 | 4,020 | 3 | .007 |
| AUGUST | 43,990 | 5,400 | 4 | .009 |
| SEPTEMBER | 65,450 | 4,410 | 3 | .005 |
| SUMMARY | 293,100 | 41,250 | 27 | .010 |

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 17,690 | 1,690 | 1 | .007 |
| NOVEMBER | 11,450 | 1,470 | 1 | .009 |
| DECEMBER | 18,310 | 940 | 1 | .004 |
| JANUARY | 23,720 | 820 | 1 | .003 |
| FEBRUARY | 24,760 | 3,020 | 2 | .009 |
| MARCH | 19,450 | 1,270 | 1 | .005 |
| APRIL | 28,840 | 4,520 | 3 | .012 |
| MAY | 14,670 | 1,740 | 1 | .009 |
| JUNE | 35,750 | 2,630 | 2 | .005 |
| JULY | 45,000 | 7,400 | 5 | .012 |
| AUGUST | 58,710 | 4,690 | 3 | .006 |
| SEPTEMBER | 25,030 | 810 | 1 | .002 |
| SUMMARY | 323,400 | 31,060 | 22 | .007 |

126,000
363,300

110,000
341,500

WATER YEAR 1947

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 156,250 | 16,580 | 6 | .004 |
| NOVEMBER | 60,940 | 13,150 | 4 | .008 |
| DECEMBER | 54,140 | 13,280 | 4 | .009 |
| JANUARY | 34,070 | 7,860 | 3 | .005 |
| FEBRUARY | 26,730 | 5,000 | 2 | .007 |
| MARCH | 13,540 | 3,830 | 1 | .010 |
| APRIL | 19,120 | 1,750 | 1 | .003 |
| MAY | 371,450 | 49,870 | 16 | .005 |
| JUNE | 73,250 | 11,630 | 4 | .005 |
| JULY | 45,550 | 4,830 | 2 | .004 |
| AUGUST | 37,430 | 9,340 | 3 | .009 |
| SEPTEMBER | 34,390 | 12,220 | 4 | .013 |
| SUMMARY | 946,900 | 149,340 | 50 | .012 |

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 10,390 | 380 | | .003 |
| NOVEMBER | 11,120 | 1,150 | 1 | .008 |
| DECEMBER | 11,040 | 630 | | .004 |
| JANUARY | 14,230 | 1,300 | 1 | .007 |
| FEBRUARY | 14,780 | 1,140 | 1 | .006 |
| MARCH | 8,040 | 1,260 | 1 | .012 |
| APRIL | 4,880 | 520 | | .008 |
| MAY | 85,930 | 17,260 | 11 | .015 |
| JUNE | 191,740 | 20,760 | 14 | .008 |
| JULY | 46,710 | 4,460 | 3 | .007 |
| AUGUST | 67,780 | 6,830 | 4 | .007 |
| SEPTEMBER | 64,980 | 5,780 | 4 | .007 |
| SUMMARY | 931,600 | 61,470 | 40 | .008 |

Palo Pinto
972,600

USBR

Palo Pinto
556,900

reduced all above tonnage by 1/2

BRAZOS RIVER WATERSHED

POSSUM KINGDOM RESERVOIR STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 68,380 | 8,870 | 6 | .010 |
| NOVEMBER | 29,060 | 1,670 | 1 | .004 |
| DECEMBER | 17,570 | 2,730 | 2 | .011 |
| JANUARY | 9,440 | 960 | 1 | .007 |
| FEBRUARY | 10,730 | 1,100 | 1 | .008 |
| MARCH | 16,760 | 1,660 | 1 | .007 |
| APRIL | 10,550 | 440 | | .003 |
| MAY | 41,650 | 2,130 | 1 | .004 |
| JUNE | 68,820 | 14,660 | 10 | .016 |
| JULY | 125,280 | 8,330 | 5 | .005 |
| AUGUST | 111,780 | 11,140 | 7 | .007 |
| SEPTEMBER | 122,500 | 6,340 | 4 | .004 |
| SUMMARY | 632,500 | 60,030 | 39 | .007 |

Palo Pinto 650,200

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 17,540 | 1,120 | 1 | .005 |
| NOVEMBER | 10,420 | 390 | | .002 |
| DECEMBER | 10,120 | 500 | | .004 |
| JANUARY | 15,600 | 680 | | .003 |
| FEBRUARY | 3,560 | 110 | | .002 |
| MARCH | 2,220 | 80 | | .003 |
| APRIL | 6,130 | 270 | | .002 |
| MAY | 3,150 | 90 | | .002 |
| JUNE | 34,980 | 2,470 | 2 | .005 |
| JULY | 46,780 | 4,700 | 3 | .007 |
| AUGUST | 39,570 | 2,050 | 1 | .004 |
| SEPTEMBER | 2,100 | 70 | | .002 |
| SUMMARY | 192,200 | 12,530 | 7 | .005 |

Palo Pinto 213,400

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------------------------------------------------------|---------------------|-------------------------|
| OCTOBER | 88,070 | 8,320 | 5 | .007 |
| NOVEMBER | 31,120 | 1,840 | 1 | .004 |
| DECEMBER | 43,870 | 1,920 | 1 | .003 |
| JANUARY | 81,840 | 3,260 | 2 | .003 |
| FEBRUARY | 42,880 | 2,360 | 2 | .005 |
| MARCH | 9,280 | 310 | | .002 |
| APRIL | 42,530 | 1,510 | 1 | .003 |
| MAY | 30,820 | 370 | 1 | .004 |
| JUNE | 78,150 | 2,580 | 2 | .002 |
| JULY | 154,950 | 4,930 | 3 | .002 |
| AUGUST | 127,360 | 9,280 | 6 | .005 |
| SEPTEMBER | 63,650 | 4,450 | 3 | .005 |
| SUMMARY | 750,200 400,970 | <div style="border: 1px solid black; padding: 2px;">21,065 42,130</div> | 27 | .004 |

Palo Pinto 436,900

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,390 | 230 | | .012 |
| NOVEMBER | 2,030 | 260 | | .005 |
| DECEMBER | 3,120 | 190 | | .004 |
| JANUARY | 1,580 | 40 | | .002 |
| FEBRUARY | 766 | 50 | | .005 |
| MARCH | 1,510 | 330 | | .016 |
| APRIL | 2,170 | 540 | | .018 |
| MAY | 6,980 | 290 | | .003 |
| JUNE | 19,870 | 540 | 2 | .002 |
| JULY | 38,840 | 3,360 | 2 | .006 |
| AUGUST | 36,250 | 2,420 | 2 | .005 |
| SEPTEMBER | 44,490 | 2,190 | 1 | .004 |
| SUMMARY | <i>Palo Pinto</i> 159,000 | 10,440 | 7 | .005 |

BRA ?

→ U.S.B.R. reduced tonnage by 1/2

BRAZOS RIVER WATERSEED

POSSUM KINGDOM RESERVOIR STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|--------------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 52,250 | 2,310 | 2 | .003 |
| NOVEMBER | 53,520 | 7,920 | 2 | .011 |
| DECEMBER | 22,600 | 630 | | .002 |
| JANUARY | 14,320 | 550 | 1 | .003 |
| FEBRUARY | 10,130 | 500 | | .004 |
| MARCH | 14,410 | 390 | | .002 |
| APRIL | 39,470 | 2,170 | 1 | .004 |
| MAY | 333,900 | 15,820 | 10 | .003 |
| JUNE | 99,290 | 6,200 | 4 | .005 |
| JULY | 60,550 | 4,670 | 3 | .006 |
| AUGUST | 50,800 | 15,790 | 10 | .023 |
| SEPTEMBER | 10,160 | 1,270 | 1 | .009 |
| SUMMARY | <i>P.L.P.</i> 761,400 82A 755,547 | 58,220 | 37 | .036 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 355,400 | 24,203 | 16 | .005 |
| NOVEMBER | 22,830 | 621 | | .002 |
| DECEMBER | 11,410 | 310 | | .002 |
| JANUARY | 35,900 | 1,464 | 1 | .003 |
| FEBRUARY | 35,650 | 970 | 1 | .002 |
| MARCH | 45,830 | 1,247 | 1 | .002 |
| APRIL | 27,679 | 753 | 1 | .002 |
| MAY | 51,430 | 3,502 | 2 | .005 |
| JUNE | 20,230 | 550 | | .002 |
| JULY | 68,750 | 2,405 | 2 | .003 |
| AUGUST | 35,310 | 2,885 | 2 | .006 |
| SEPTEMBER | 3,150 | 86 | | .002 |
| SUMMARY | <i>P.L.P.</i> 713,600 | <i>P.L.P.</i> 39,396 | 26 | .004 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 7,140 | 306 | | .003 |
| NOVEMBER | 2,840 | 77 | | .002 |
| DECEMBER | 1,810 | 49 | | .002 |
| JANUARY | 13,340 | 1,124 | 1 | .006 |
| FEBRUARY | 4,030 | 110 | | .002 |
| MARCH | 3,950 | 107 | | .002 |
| APRIL | 5,310 | 144 | | .002 |
| MAY | 42,960 | 1,169 | 1 | .002 |
| JUNE | 200,900 | 16,414 | 11 | .006 |
| JULY | 50,460 | 2,745 | 2 | .004 |
| AUGUST | 36,760 | 1,500 | 1 | .003 |
| SEPTEMBER | 441,000 | 36,030 | 24 | .006 |
| SUMMARY | <i>P.L.P.</i> 810,500 | 59,775 | 40 | .005 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 4,140 | 117 | | .002 |
| NOVEMBER | 6,600 | 218 | | .002 |
| DECEMBER | 16,170 | 439 | | .002 |
| JANUARY | 18,380 | 615 | | .002 |
| FEBRUARY | 19,380 | 528 | | .002 |
| MARCH | 8,860 | 241 | | .002 |
| APRIL | 528,500 | 53,006 | 35 | .007 |
| MAY | 1,857,000 | 195,712 | 128 | .006 |
| JUNE | 449,900 | 44,575 | 29 | .007 |
| JULY | 37,100 | 3,032 | 2 | .006 |
| AUGUST | 32,620 | 3,073 | 2 | .007 |
| SEPTEMBER | 21,850 | 2,134 | 1 | .007 |
| SUMMARY | <i>P.L.P.</i> 3,000,000 | 303,690 | 197 | .007 |

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BRAZOS RIVER WATERSHED

POSSUM KINGDOM RESERVOIR STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 110,300 | 18,789 | 12 | .013 | OCTOBER | 40,470 | 15,871 | 10 | .029 |
| NOVEMBER | 101,200 | 18,873 | 12 | .014 | NOVEMBER | 20,960 | 6,196 | 4 | .022 |
| DECEMBER | 51,980 | 9,449 | 6 | .014 | DECEMBER | 12,070 | 2,411 | 2 | .015 |
| JANUARY | 35,090 | 10,827 | 7 | .023 | JANUARY | 13,350 | 4,796 | 3 | .026 |
| FEBRUARY | 25,260 | 9,885 | 6 | .029 | FEBRUARY | 4,300 | 640 | | .011 |
| MARCH | 11,820 | 5,332 | 3 | .033 | MARCH | 4,190 | 614 | | .011 |
| APRIL | 27,330 | 71,616 | 47 | .192 | APRIL | 4,620 | 748 | | .012 |
| MAY | 198,300 | 628,176 | 412 | .233 | MAY | 14,280 | 6,038 | 4 | .031 |
| JUNE | 46,770 | 20,976 | 14 | .033 | JUNE | 63,100 | 29,183 | 19 | .034 |
| JULY | 213,400 | 948,520 | 622 | .327 | JULY | 127,900 | 180,845 | 119 | .104 |
| AUGUST | 46,690 | 19,430 | 13 | .031 | AUGUST | 13,810 | 2,670 | 2 | .014 |
| SEPTEMBER | 19,520 | 11,794 | 8 | .044 | SEPTEMBER | 12,390 | 3,186 | 2 | .019 |
| SUMMARY | 887,700 | 1,773,667 | 1,162 | .147 | SUMMARY | 331,400 | 253,198 | 165 | .056 |

125,883

Values in red were computed and used by the U.S.B.R.

BRAZOS RIVER WATERSHED

MINERAL WELLS STATION ON THE BRAZOS RIVER

Net Drainage Area: 13,860 (previously published as 13,910) sq. mi.

Location: U. S. Highway 180 bridge 4 miles west of Mineral Wells

Records Available: June 2, 1924 to September 30, 1934

Comments: Station was re-established in 1942 at Possum Kingdom Dam

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | 9,220 | | | |
| FEBRUARY | 4,710 | | | |
| MARCH | 57,100 | | | |
| APRIL | 57,700 | | | |
| MAY | 40,100 | | | |
| JUNE 1/ | 50,100 | 366,330 | 240 | .537 |
| JULY | 1,060 | 210 | | .015 |
| AUGUST | 113 | 25 | | .016 |
| SEPTEMBER | 122,000 | 1,235,254 | 810 | .744 |
| SUMMARY | | | | |

WATER YEAR 1926

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 68,700 | 187,930 | 123 | .201 |
| NOVEMBER | 12,700 | 10,560 | 7 | .061 |
| DECEMBER | 1,560 | 450 | | .021 |
| JANUARY | 5,070 | 2,660 | 2 | .039 |
| FEBRUARY | 1,160 | 150 | | .009 |
| MARCH | 20,400 | 89,290 | 59 | .322 |
| APRIL | 115,000 | 1,557,080 | 1,021 | .995 |
| MAY | 57,200 | 453,200 | 297 | .582 |
| JUNE | 233,000 | 2,390,720 | 1,568 | .754 |
| JULY | 104,000 | 1,026,440 | 673 | .725 |
| AUGUST | 229,000 | 3,828,560 | 2,511 | 1.228 |
| SEPTEMBER | 116,000 | 1,020,210 | 669 | .646 |
| SUMMARY | 963,800 | 10,567,250 | 6,930 | .805 |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,400 | 1,400 | 1 | .019 |
| NOVEMBER | 275 | 47 | | .013 |
| DECEMBER | 66 | | | |
| JANUARY | 461 | 56 | | .009 |
| FEBRUARY | 308 | | | |
| MARCH | 6 | | | |
| APRIL | 139,000 | 4,405,603 | 2,889 | 2.328 |
| MAY | 299,000 | 3,396,526 | 2,228 | .834 |
| JUNE | 18,000 | 24,166 | 16 | .099 |
| JULY | 6,780 | 961 | 1 | .010 |
| AUGUST | 51,500 | 1,265,470 | 830 | 1.805 |
| SEPTEMBER | 362,000 | 7,167,536 | 4,701 | 1.455 |
| SUMMARY | 882,800 | 16,261,765 | 10,666 | 1.353 |

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 343,000 | 6,649,990 | 4,362 | 1.424 |
| NOVEMBER | 20,500 | 8,230 | 5 | .029 |
| DECEMBER | 124,000 | 681,390 | 447 | .404 |
| JANUARY | 18,000 | 7,070 | 5 | .029 |
| FEBRUARY | 25,200 | 14,460 | 10 | .042 |
| MARCH | 43,700 | 119,420 | 78 | .201 |
| APRIL | 129,000 | 805,220 | 528 | .459 |
| MAY | 10,100 | 2,960 | 2 | .022 |
| JUNE | 82,900 | 953,140 | 625 | .845 |
| JULY | 66,100 | 437,050 | 287 | .480 |
| AUGUST | 13,100 | 51,800 | 34 | .290 |
| SEPTEMBER | 12,300 | 33,660 | 22 | .201 |
| SUMMARY | 887,900 | 9,764,390 | 6,405 | .808 |

1/ Station was established June 2, 1924

BRAZOS RIVER WATERSHED

MINERAL WELLS STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1928

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 41,300 | 237,980 | 156 | .423 |
| NOVEMBER | 1,310 | 89 | | .005 |
| DECEMBER | 621 | 82 | | .010 |
| JANUARY | 1,600 | 190 | | .009 |
| FEBRUARY | 828 | 110 | | .010 |
| MARCH | 738 | 110 | | .011 |
| APRIL | 3,060 | 930 | 1 | .022 |
| MAY | 373,000 | 4,709,370 | 3,089 | .927 |
| JUNE | 190,000 | 1,541,560 | 1,011 | .595 |
| JULY | 196,000 | 2,821,340 | 1,850 | 1.057 |
| AUGUST | 156,000 | 1,228,170 | 805 | .578 |
| SEPTEMBER | 26,400 | 110,730 | 73 | .308 |
| SUMMARY | 990,900 | 10,650,661 | 6,986 | .790 |

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 46,900 | 163,270 | 107 | .256 |
| NOVEMBER | 7,140 | 970 | 1 | .010 |
| DECEMBER | 3,480 | 1,020 | 1 | .022 |
| JANUARY | 1,060 | 120 | | .008 |
| FEBRUARY | 1,420 | 160 | | .008 |
| MARCH | 312 | 66 | | .006 |
| APRIL | 60,700 | 1,411,820 | 926 | 1.709 |
| MAY | 604,000 | 8,516,250 | 5,585 | 1.036 |
| JUNE | 369,000 | 2,801,300 | 1,837 | .558 |
| JULY | 20,800 | 21,170 | 14 | .075 |
| AUGUST | 5,820 | 900 | 1 | .010 |
| SEPTEMBER | 39,200 | 211,120 | 139 | .396 |
| SUMMARY | 1,161,000 | 13,128,166 | 8,612 | .331 |

WATER YEAR 1929

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 781 | 450 | | .042 |
| NOVEMBER | 13,200 | 15,390 | 10 | .086 |
| DECEMBER | 3,070 | 300 | | .007 |
| JANUARY | 11,600 | 49,310 | 32 | .312 |
| FEBRUARY | 983 | 110 | | .008 |
| MARCH | 7,010 | 1,570 | 1 | .016 |
| APRIL | 15,700 | 36,840 | 24 | .172 |
| MAY | 224,000 | 2,734,920 | 1,794 | .897 |
| JUNE | 64,900 | 809,800 | 531 | .917 |
| JULY | 48,100 | 286,470 | 188 | .438 |
| AUGUST | 1,310 | 140 | | .008 |
| SEPTEMBER | 309,000 | 4,806,342 | 3,152 | 1.143 |
| SUMMARY | 699,700 | 8,741,642 | 5,732 | .918 |

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 450,000 | 3,861,610 | 2,533 | .630 |
| NOVEMBER | 18,800 | 37,640 | 25 | .147 |
| DECEMBER | 125,000 | 1,161,510 | 762 | .683 |
| JANUARY | 10,600 | 1,730 | 1 | .012 |
| FEBRUARY | 59,400 | 91,400 | 60 | .113 |
| MARCH | 27,700 | 13,360 | 9 | .035 |
| APRIL | 13,100 | 2,390 | 2 | .013 |
| MAY | 19,900 | 33,870 | 22 | .125 |
| JUNE | 18,000 | 44,440 | 29 | .181 |
| JULY | 25,500 | 97,670 | 64 | .281 |
| AUGUST | 2,110 | 560 | | .019 |
| SEPTEMBER | 23 | 3 | | .010 |
| SUMMARY | 770,100 | 5,346,183 | 3,507 | .510 |

GRAZOS RIVER WATERSHED

MINERAL WELLS STATION ON THE GRAZOS RIVER - CONTINUED

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 260,000 | 2,248,210 | 1,473 | .635 |
| NOVEMBER | 66,600 | 520,230 | 341 | .574 |
| DECEMBER | 55,700 | 145,550 | 95 | .192 |
| JANUARY | 74,400 | 79,110 | 52 | .078 |
| FEBRUARY | 73,000 | 232,740 | 153 | .234 |
| MARCH | 16,300 | 37,120 | 24 | .167 |
| APRIL | 15,300 | 53,550 | 35 | .257 |
| MAY | 219,000 | 1,676,410 | 1,100 | .562 |
| JUNE | 209,000 | 1,315,200 | 1,191 | .638 |
| JULY | 426,000 | 2,683,350 | 1,760 | .463 |
| AUGUST | 25,500 | 205,130 | 135 | .591 |
| SEPTEMBER | 669,000 | 6,565,606 | 4,306 | .721 |
| SUMMARY | 2,110,000 | 16,260,206 | 10,665 | .566 |

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 13,800 | 62,560 | 41 | .333 |
| NOVEMBER | 6,310 | 440 | | .005 |
| DECEMBER | 4,470 | 1,326 | 1 | .022 |
| JANUARY | 13,540 | 9,709 | 6 | .053 |
| FEBRUARY | 8,140 | 2,101 | 1 | .019 |
| MARCH | 61,350 | 342,335 | 225 | .407 |
| APRIL | 53,970 | 507,273 | 333 | .666 |
| MAY | 7,560 | 1,536 | 1 | .015 |
| JUNE | 1,600 | 340 | | .016 |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER ^{1/} | 13,730 | 34,781 | 23 | .164 |
| SUMMARY | 187,100 | 762,404 | 631 | .376 |

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 34,800 | 9,158 | 6 | .019 |
| NOVEMBER | 10,800 | 1,490 | 1 | .013 |
| DECEMBER | 114,000 | 792,510 | 520 | .511 |
| JANUARY | 40,000 | 52,510 | 34 | .096 |
| FEBRUARY | 10,800 | 1,480 | 1 | .010 |
| MARCH | 36,000 | 52,150 | 34 | .106 |
| APRIL | 24,300 | 64,840 | 43 | .195 |
| MAY | 307,000 | 2,277,910 | 1,494 | .545 |
| JUNE | 19,900 | 35,650 | 23 | .132 |
| JULY | 9,100 | 2,680 | 2 | .022 |
| AUGUST | 83,600 | 1,207,600 | 792 | .1061 |
| SEPTEMBER | 61,900 | 475,330 | 312 | .564 |
| SUMMARY | 752,200 | 4,973,708 | 3,262 | .486 |

^{1/} Station was discontinued September 30, 1934

GRAZOS RIVER WATERSHED

GLEN ROSE STATION ON THE GRAZOS RIVER

Ret Drainage Area: 15,600 sq. mi.

Location: One-fourth mile above the old Glen Rose-Cleburne Highway bridge

Records Available: June 1, 1924 to August 31, 1929; January through June and October through December of 1928 were omitted.

Comments: Station was operated in conjunction with the Mineral Wells Station. When this station was discontinued in 1929, samples were taken at Mineral Wells only.

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 367,000 | | | |
| NOVEMBER | 293,000 | | | |
| DECEMBER | 217,000 | | | |
| JANUARY | 22,400 | | | |
| FEBRUARY | 12,800 | | | |
| MARCH | 134,000 | | | |
| APRIL | 86,000 | | | |
| MAY | 154,000 | | | |
| JUNE 1/ | 86,300 | 570,240 | 374 | 0.485 |
| JULY | 1,300 | | | |
| AUGUST | 1,110 | | | |
| SEPTEMBER | 122,000 | 1,373,110 | 901 | 0.827 |
| SUMMARY | 1,497,000 | | | |

WATER YEAR 1926

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 119,000 | 901,610 | 591 | 0.557 |
| NOVEMBER | 26,500 | 39,100 | 26 | 0.108 |
| DECEMBER | 4,130 | 560 | | 0.010 |
| JANUARY | 19,200 | 87,060 | 57 | 0.333 |
| FEBRUARY | 2,680 | 370 | | 0.010 |
| MARCH | 24,100 | 108,980 | 71 | 0.332 |
| APRIL | 168,000 | 2,672,510 | 1,753 | 1.169 |
| MAY | 113,000 | 1,108,670 | 727 | 0.721 |
| JUNE | 314,000 | 4,667,450 | 3,061 | 1.092 |
| JULY | 137,000 | 1,309,200 | 859 | 0.702 |
| AUGUST | 239,000 | 3,829,520 | 2,512 | 1.177 |
| SEPTEMBER | 218,000 | 2,843,710 | 1,865 | 0.958 |
| SUMMARY | 1,385,000 | 17,568,740 | 11,522 | 0.932 |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 12,400 | 6,070 | 4 | 0.036 |
| NOVEMBER | 3,040 | | | |
| DECEMBER | 1,440 | | | |
| JANUARY | 1,680 | | | |
| FEBRUARY | 1,220 | | | |
| MARCH | 368 | | | |
| APRIL | 127,000 | 3,082,670 | 2,022 | 1.783 |
| MAY | 412,000 | 5,348,960 | 3,508 | 0.954 |
| JUNE | 16,800 | 550 | | 0.003 |
| JULY | 7,780 | | | |
| AUGUST | 46,300 | 1,228,760 | 805 | 1.950 |
| SEPTEMBER | 357,000 | 6,247,740 | 4,098 | 1.286 |
| SUMMARY | 987,000 | 15,915,050 | 10,438 | 1.185 |

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 354,000 | 6,262,690 | 4,108 | 1.300 |
| NOVEMBER | 40,100 | 22,590 | 15 | 0.042 |
| DECEMBER | 143,000 | 1,689,600 | 1,103 | 0.868 |
| JANUARY | 24,900 | 8,940 | 6 | 0.026 |
| FEBRUARY | 32,800 | 17,300 | 11 | 0.039 |
| MARCH | 71,300 | 329,670 | 216 | 0.340 |
| APRIL | 175,000 | 2,413,990 | 1,583 | 1.013 |
| MAY | 30,000 | 197,260 | 129 | 0.483 |
| JUNE | 102,000 | 1,518,980 | 996 | 1.094 |
| JULY | 72,400 | 659,770 | 433 | 0.609 |
| AUGUST | 24,700 | 79,570 | 52 | 0.237 |
| SEPTEMBER | 19,000 | 25,770 | 17 | 0.100 |
| SUMMARY | 1,089,000 | 13,226,230 | 8,574 | 0.892 |

1/ Station was established June 1, 1924

BRAZOS RIVER WATERSHED

GLEN ROSE STATION ON THE BRAZOS RIVER - CONTINUED

| WATER YEAR 1928 | | | | | WATER YEAR 1929 | | | | |
|-----------------------|-------------------------------|----------------------|---------------------|-------------------------|-----------------------|-------------------------------|----------------------|---------------------|-------------------------|
| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
| OCTOBER | 87,900 | 728,830 | 478 | .609 | OCTOBER ^{2/} | 1,790 | | | |
| NOVEMBER | 3,360 | | | | NOVEMBER | 14,400 | | | |
| DECEMBER | 10,200 | 4,990 | 3 | .036 | DECEMBER | 41,600 | | | |
| JANUARY ^{1/} | 3,710 | | | | JANUARY | 36,500 | 283,320 | 186 | .569 |
| FEBRUARY | 11,800 | | | | FEBRUARY | 16,400 | 76,720 | 50 | .344 |
| MARCH | 3,440 | | | | MARCH | 20,800 | 14,960 | 10 | .053 |
| APRIL | 33,600 | | | | APRIL | 44,300 | 393,060 | 258 | .652 |
| MAY | 338,000 | | | | MAY | 236,000 | 3,440,840 | 2,257 | 1.071 |
| JUNE | 231,000 | | | | JUNE | 114,000 | 1,299,110 | 852 | .837 |
| JULY | 197,000 | 2,286,630 | 1,500 | .853 | JULY | 44,100 | 220,160 | 144 | .567 |
| AUGUST | 201,000 | 1,083,460 | 711 | .396 | AUGUST ^{3/} | 4,700 | 3,310 | 2 | .052 |
| SEPTEMBER | 52,500 | 117,490 | 77 | .164 | SEPTEMBER | 327,000 | | | |
| SUMMARY | 1,174,000 | | | | SUMMARY | 931,700 | | | |

^{1/} Record being incomplete, January through June 1928 was omitted
^{2/} Record being incomplete, October through December 1928 was omitted
^{3/} Station was discontinued August 31, 1929

BRAZOS RIVER WATERSHED

WACO STATION ON THE BRAZOS RIVER

Net Drainage Area: 19,260 sq. mi.

Location: Texas Electric Company bridge in Waco

Records Available: June 1, 1924 to August 31, 1933

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 267,000 | | | |
| NOVEMBER | 246,000 | | | |
| DECEMBER | 348,000 | | | |
| JANUARY | 61,000 | | | |
| FEBRUARY | 51,500 | | | |
| MARCH | 352,000 | | | |
| APRIL | 171,000 | | | |
| MAY | 220,000 | | | |
| JUNE 1/ | 130,000 | 776,880 | 510 | .439 |
| JULY | 5,510 | 460 | | .006 |
| AUGUST | 4,590 | 2,090 | 1 | .033 |
| SEPTEMBER | 115,000 | 1,154,760 | 757 | .738 |
| SUMMARY | 1,972,000 | | | |

WATER YEAR 1926

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 166,000 | 1,269,840 | 830 | .560 |
| NOVEMBER | 74,200 | 205,570 | 135 | .240 |
| DECEMBER | 9,390 | 1,390 | 1 | .011 |
| JANUARY | 94,800 | 387,350 | 255 | .501 |
| FEBRUARY | 19,600 | 3,320 | 3 | .015 |
| MARCH | 111,000 | 669,550 | 439 | .443 |
| APRIL | 407,000 | 4,418,640 | 2,898 | .798 |
| MAY | 184,000 | 1,768,300 | 1,160 | .706 |
| JUNE | 346,000 | 4,384,480 | 2,876 | .931 |
| JULY | 220,000 | 2,019,260 | 1,324 | .674 |
| AUGUST | 156,000 | 3,189,200 | 2,092 | 1.411 |
| SEPTEMBER | 286,000 | 3,985,940 | 2,614 | 1.024 |
| SUMMARY | 2,084,000 | 22,300,100 | 14,627 | .786 |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 18,600 | 21,980 | 14 | .087 |
| NOVEMBER | 10,400 | 2,420 | 2 | .017 |
| DECEMBER | 9,070 | 1,010 | 1 | .008 |
| JANUARY | 8,980 | | | |
| FEBRUARY | 3,500 | | | |
| MARCH | 2,080 | | | |
| APRIL | 79,300 | 1,843,960 | 1,210 | 1.708 |
| MAY | 499,000 | 7,657,020 | 5,022 | 1.127 |
| JUNE | 18,500 | 5,530 | 4 | .022 |
| JULY | 4,660 | 860 | 1 | .014 |
| AUGUST | 43,200 | 876,980 | 575 | 1.491 |
| SEPTEMBER | 360,000 | 7,001,770 | 4,592 | 1.429 |
| SUMMARY | 1,057,000 | 17,411,530 | 11,421 | 1.210 |

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 332,000 | 6,979,080 | 4,578 | 1.544 |
| NOVEMBER | 38,700 | 53,400 | 35 | .101 |
| DECEMBER | 102,000 | 690,500 | 453 | .497 |
| JANUARY | 34,100 | 22,620 | 15 | .049 |
| FEBRUARY | 68,400 | 74,240 | 49 | .080 |
| MARCH | 112,000 | 509,300 | 334 | .334 |
| APRIL | 271,000 | 1,996,030 | 1,311 | .542 |
| MAY | 126,000 | 772,190 | 506 | .450 |
| JUNE | 428,000 | 4,818,226 | 3,160 | .827 |
| JULY | 105,000 | 477,370 | 313 | .334 |
| AUGUST | 39,100 | 134,690 | 88 | .253 |
| SEPTEMBER | 19,700 | 16,210 | 11 | .060 |
| SUMMARY | 1,676,000 | 16,545,916 | 10,853 | .725 |

1/ Station was established May 31, 1924 but sampling did not begin until June 1, 1924

BRAZOS RIVER WATERSHED

WACO STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1928

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 125,000 | 547,742 | 622 | .540 |
| NOVEMBER | 7,910 | 510 | | .005 |
| DECEMBER | 12,700 | 9,470 | 8 | .055 |
| JANUARY | 11,200 | 4,280 | 3 | .028 |
| FEBRUARY | 57,500 | 181,670 | 119 | .232 |
| MARCH | 25,000 | 18,600 | 12 | .055 |
| APRIL | 102,000 | 816,875 | 536 | .588 |
| MAY | 304,000 | 5,350,431 | 3,509 | 1.293 |
| JUNE | 318,000 | 3,276,964 | 2,149 | .757 |
| JULY | 144,000 | 2,242,469 | 1,471 | 1.144 |
| AUGUST | 209,000 | 1,982,270 | 1,235 | .662 |
| SEPTEMBER | 61,300 | 388,970 | 203 | .370 |
| SUMMARY | 1,382,000 | 15,040,251 | 9,865 | .799 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 50,500 | 220,570 | 145 | .321 |
| NOVEMBER | 24,500 | 10,290 | 7 | .031 |
| DECEMBER | 16,000 | 3,980 | 3 | .015 |
| JANUARY | 7,520 | 580 | | .007 |
| FEBRUARY | 29,800 | 89,180 | 58 | .227 |
| MARCH | 15,500 | 42,360 | 28 | .191 |
| APRIL | 26,400 | 250,180 | 164 | .696 |
| MAY | 922,000 | 12,511,440 | 8,206 | .997 |
| JUNE | 359,000 | 2,752,210 | 1,305 | .563 |
| JULY | 41,100 | 8,360 | 6 | .015 |
| AUGUST | 14,400 | 5,680 | 4 | .029 |
| SEPTEMBER | 63,100 | 164,940 | 105 | .192 |
| SUMMARY | 1,570,000 | 16,060,470 | 10,934 | .751 |

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 5,140 | 630 | | .009 |
| NOVEMBER | 9,940 | 4,590 | 3 | .035 |
| DECEMBER | 46,100 | 167,760 | 110 | .267 |
| JANUARY | 45,700 | 251,310 | 165 | .404 |
| FEBRUARY | 24,700 | 113,320 | 74 | .337 |
| MARCH | 52,200 | 134,260 | 88 | .189 |
| APRIL | 131,000 | 666,931 | 437 | .374 |
| MAY | 317,000 | 3,693,779 | 2,423 | .856 |
| JUNE | 174,000 | 1,404,565 | 921 | .593 |
| JULY | 41,500 | 163,120 | 107 | .288 |
| AUGUST | 10,100 | 28,540 | 19 | .208 |
| SEPTEMBER | 319,000 | 5,276,001 | 3,461 | 1.215 |
| SUMMARY | 1,176,000 | 11,904,926 | 7,808 | .744 |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 633,000 | 5,198,480 | 4,566 | .719 |
| NOVEMBER | 70,200 | 170,000 | 112 | .176 |
| DECEMBER | 278,000 | 1,953,460 | 1,281 | .516 |
| JANUARY | 115,000 | 184,900 | 121 | .115 |
| FEBRUARY | 254,000 | 589,410 | 387 | .170 |
| MARCH | 159,000 | 219,420 | 144 | .101 |
| APRIL | 103,000 | 96,390 | 54 | .057 |
| MAY | 114,000 | 266,510 | 175 | .172 |
| JUNE | 83,300 | 440,600 | 239 | .389 |
| JULY | 29,200 | 29,100 | 19 | .073 |
| AUGUST | 12,400 | 7,480 | 5 | .044 |
| SEPTEMBER | 8,930 | 1,270 | 1 | .010 |
| SUMMARY | 1,866,000 | 10,157,660 | 6,864 | .400 |

BRAZOS RIVER WATERSHED

WACO STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1932

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 275,000 | 2,866,240 | 1,880 | .0766 | OCTOBER | 56,400 | 17,760 | 12 | .023 |
| NOVEMBER | 90,400 | 605,210 | 397 | .0492 | NOVEMBER | 21,200 | 1,800 | 1 | .006 |
| DECEMBER | 84,800 | 315,160 | 207 | .0273 | DECEMBER | 101,000 | 970,020 | 636 | .0705 |
| JANUARY | 341,000 | 1,672,660 | 1,097 | .0360 | JANUARY | 94,700 | 268,320 | 176 | .208 |
| FEBRUARY | 472,000 | 1,099,160 | 721 | .171 | FEBRUARY | 22,500 | 2,700 | 2 | .009 |
| MARCH | 216,000 | 283,560 | 186 | .096 | MARCH | 132,000 | 402,430 | 264 | .224 |
| APRIL | 53,300 | 49,970 | 33 | .069 | APRIL | 55,400 | 103,120 | 68 | .137 |
| MAY | 416,000 | 2,734,410 | 1,794 | .483 | MAY | 429,000 | 4,361,260 | 2,861 | .747 |
| JUNE | 255,000 | 1,571,090 | 1,030 | .453 | JUNE | 91,000 | 484,900 | 318 | .391 |
| JULY | 504,000 | 4,625,840 | 3,034 | .674 | JULY | 65,200 | 449,260 | 295 | .505 |
| AUGUST | 42,500 | 128,480 | 84 | .222 | AUGUST 1/ | 82,400 | 922,440 | 605 | .822 |
| SEPTEMBER | 619,000 | 6,255,530 | 4,103 | .742 | SEPTEMBER | 101,000 | | | |
| SUMMARY | 3,369,000 | 22,207,310 | 14,566 | .484 | SUMMARY | 1,252,000 | | | |

BRAZOS RIVER WATERSHED

GATESVILLE STATION ON THE LEON RIVER

Net Drainage Area: 2,279 (previously published as 2,313) sq. mi.

Location: U. S. Highway 84 bridge 1 mile west of Gatesville

Records Available: March 1, 1953 to date

Comments: Measures silt inflow into Belton Reservoir. This station was established after the Belton station was discontinued.

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 13 | | | |
| NOVEMBER | 7,070 | | | |
| DECEMBER | 3,310 | | | |
| JANUARY | 2,180 | | | |
| FEBRUARY | 504 | | | |
| MARCH 1/ | 7,330 | 18,020 | 12 | .181 |
| APRIL | 4,470 | 10,150 | 7 | .167 |
| MAY | 49,260 | 205,550 | 135 | .307 |
| JUNE | 613 | 40 | | .005 |
| JULY | 5,770 | 8,800 | 6 | .112 |
| AUGUST | 3,450 | 5,390 | 4 | .115 |
| SEPTEMBER | 2,180 | 5,720 | 4 | .193 |
| SUMMARY | 86,150 | | | |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 3,780 | 20,374 | 13 | .396 |
| NOVEMBER | 5,370 | 1,062 | 1 | .019 |
| DECEMBER | 19 | 6 | | .023 |
| JANUARY | 31 | | | |
| FEBRUARY | 3,400 | 10,370 | 7 | .224 |
| MARCH | 1,100 | 919 | 1 | .062 |
| APRIL | 8,340 | 24,916 | 16 | .219 |
| MAY | 53,050 | 215,730 | 141 | .298 |
| JUNE | 24,220 | 65,255 | 43 | .198 |
| JULY | 5,120 | 8,913 | 6 | .128 |
| AUGUST | 167 | 26 | | .011 |
| SEPTEMBER | 17,950 | 74,103 | 49 | .303 |
| SUMMARY | 122,500 | 421,674 | 277 | .253 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 13,890 | 49,190 | 32 | .260 |
| NOVEMBER | 1,860 | 760 | 1 | .030 |
| DECEMBER | 1,200 | 430 | | .026 |
| JANUARY | 466 | 30 | | .005 |
| FEBRUARY | 339 | 20 | | .004 |
| MARCH | 249 | 20 | | .006 |
| APRIL | 11,840 | 17,730 | 12 | .110 |
| MAY | 4,620 | 6,020 | 4 | .096 |
| JUNE | 105 | 10 | | .007 |
| JULY | 4 | 0 | | .000 |
| AUGUST | 0 | 0 | | .000 |
| SEPTEMBER | 0 | 0 | | .000 |
| SUMMARY | 34,570 | 74,210 | 49 | .196 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 8,540 | 32,120 | 21 | .275 |
| NOVEMBER | 135 | 4 | | .002 |
| DECEMBER | 75 | 2 | | .002 |
| JANUARY | 134 | 4 | | .002 |
| FEBRUARY | 623 | 29 | | .003 |
| MARCH | 107 | 3 | | .002 |
| APRIL | 2,250 | 3,896 | 3 | .127 |
| MAY | 97,350 | 348,338 | 228 | .263 |
| JUNE | 1,440 | 299 | | .015 |
| JULY | 40 | 1 | | .002 |
| AUGUST | 793 | 1,169 | 1 | .105 |
| SEPTEMBER | 21 | 1 | | .003 |
| SUMMARY | 111,500 | 385,866 | 253 | .254 |

1/ Station was established March 1, 1953

BRAZOS RIVER WATERSHED

GATESVILLE STATION ON THE LEON RIVER - CONTINUED

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 12 | | | |
| NOVEMBER | 601 | 1,129 | 1 | .138 |
| DECEMBER | 4,050 | 4,717 | 3 | .086 |
| JANUARY | 304 | 42 | | .010 |
| FEBRUARY | 261 | 19 | | .005 |
| MARCH | 4,460 | 9,964 | 7 | .164 |
| APRIL | 120,800 | 192,965 | 61-127 | .117 |
| MAY | 382,700 | 750,910 | 492-493 | .144 |
| JUNE | 54,880 | 69,247 | 45 | .093 |
| JULY | 4,810 | 564 | | .008 |
| AUGUST | 1,120 | 85 | | .006 |
| SEPTEMBER | 664 | 86 | | .010 |
| SUMMARY | 574,700 | 1,029,708 | 607-673 | .132 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,100 | 139 | | .039 |
| NOVEMBER | 781 | 26 | | .002 |
| DECEMBER | 1,050 | 20 | | .001 |
| JANUARY | 1,230 | 32 | | .002 |
| FEBRUARY | 1,850 | 1,183 | 1 | .047 |
| MARCH | 957 | 63 | | .005 |
| APRIL | 1,290 | 85 | | .005 |
| MAY | 2,260 | 1,992 | 1 | .065 |
| JUNE | 18,430 | 43,321 | 28 | .173 |
| JULY | 19,610 | 30,624 | 20 | .115 |
| AUGUST | 1,730 | 1,681 | 1 | .072 |
| SEPTEMBER | 1,560 | 2,007 | 1 | .094 |
| SUMMARY | 51,850 | 81,173 | 52 | .115 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 50,320 | 104,471 | 69 | .153 |
| NOVEMBER | 37,190 | 30,417 | 20 | .060 |
| DECEMBER | 13,800 | 1,704 | 1 | .009 |
| JANUARY | 15,020 | 12,057 | 8 | .059 |
| FEBRUARY | 24,630 | 73,382 | 48 | .202 |
| MARCH | 43,740 | 26,233 | 18 | .045 |
| APRIL | 17,210 | 3,557 | 2 | .015 |
| MAY | 95,370 | 121,780 | 80 | .094 |
| JUNE | 6,710 | 785 | 1 | .009 |
| JULY | 5,200 | 966 | 1 | .014 |
| AUGUST | 1,050 | 269 | | .019 |
| SEPTEMBER | 1,420 | 141 | | .007 |
| SUMMARY | 311,700 | 376,362 | 248 | .088 |

GRAZDS RIVER WATERSHED

BELTON STATION ON THE LEON RIVER

Net Drainage Area: 3,547 sq. mi.

Location: State Highway 317 bridge north of Belton (Prior to October 1, 1945, samples were taken from inlet to pumping plant north of Belton; located about 1/4 mile upstream from U. S. Highway 81 bridge)

Records Available: September 1, 1945 to December 31, 1949

Comments: Station was discontinued when Belton Reservoir was built. Records were influenced by backwater from low-water dam and flow was later stopped by Seltan dam

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 9,610 | | | |
| NOVEMBER | 8,440 | | | |
| DECEMBER | 32,820 | | | |
| JANUARY | 110,100 | | | |
| FEBRUARY | 111,600 | | | |
| MARCH | 195,500 | | | |
| APRIL | 400,800 | | | |
| MAY | 81,530 | | | |
| JUNE | 64,300 | | | |
| JULY | 35,900 | | | |
| AUGUST | 7,440 | | | |
| SEPTEMBER 1/ | 10,380 | 26,320 | 17 | .186 |
| SUMMARY | 1,068,000 | | | |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 7,010 | 570 | | .006 |
| NOVEMBER | 26,860 | 47,710 | 31 | .130 |
| DECEMBER | 28,640 | 25,200 | 17 | .065 |
| JANUARY | 65,540 | 58,300 | 38 | .065 |
| FEBRUARY | 25,340 | 8,180 | 5 | .024 |
| MARCH | 89,180 | 115,540 | 76 | .095 |
| APRIL | 42,750 | 22,560 | 15 | .039 |
| MAY | 57,210 | 51,060 | 33 | .056 |
| JUNE | 11,970 | 1,140 | 1 | .070 |
| JULY | 5,000 | 660 | | .010 |
| AUGUST | 1,790 | 140 | | .006 |
| SEPTEMBER | 1,190 | 30 | | .002 |
| SUMMARY | 362,500 | 331,090 | 216 | .067 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 43,170 | 57,670 | 38 | .098 |
| NOVEMBER | 16,340 | 10,120 | 7 | .045 |
| DECEMBER | 39,470 | 107,630 | 71 | .200 |
| JANUARY | 48,210 | 37,230 | 24 | .057 |
| FEBRUARY | 83,190 | 186,610 | 122 | .165 |
| MARCH | 155,400 | 250,760 | 164 | .119 |
| APRIL | 43,960 | 11,490 | 8 | .019 |
| MAY | 146,700 | 456,400 | 299 | .229 |
| JUNE | 48,430 | 46,560 | 31 | .706 |
| JULY | 9,810 | 900 | 1 | .067 |
| AUGUST | 3,050 | 150 | | .033 |
| SEPTEMBER | 26,230 | 21,550 | 14 | .060 |
| SUMMARY | 664,000 | 1,187,070 | 779 | .131 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 687 | 30 | | .003 |
| NOVEMBER | 3,720 | 540 | | .001 |
| DECEMBER | 8,200 | 3,480 | 2 | .031 |
| JANUARY | 3,350 | 170 | | .004 |
| FEBRUARY | 20,090 | 68,230 | 45 | .249 |
| MARCH | 11,420 | 3,570 | 2 | .023 |
| APRIL | 7,630 | 910 | 1 | .009 |
| MAY | 29,860 | 8,930 | 6 | .022 |
| JUNE | 10,810 | 3,870 | 3 | .026 |
| JULY | 17,180 | 19,360 | 13 | .083 |
| AUGUST | 1,160 | 290 | | .018 |
| SEPTEMBER | 8,000 | 9,140 | 5 | .084 |
| SUMMARY | 122,100 | 118,520 | 77 | .071 |

1/ Station was established September 1, 1945

BRAZOS RIVER WATERSHED

RELATION STATIOS ON THE LSON RIVER - CONTINUED

| WATER YEAR 1949 | | | | | WATER YEAR 1950 | | | | |
|-----------------|-------------------------------|----------------------|---------------------|-------------------------|-----------------|-------------------------------|----------------------|---------------------|-------------------------|
| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
| OCTOBER | 12 | | | | OCTOBER | 6,810 | 15,570 | 10 | .167 |
| NOVEMBER | | | | | NOVEMBER | 3,960 | 2,624 | 2 | .049 |
| DECEMBER | 53 | | | | DECEMBER 1/ | 2,860 | 350 | | .009 |
| JANUARY | 2,030 | 130 | | .005 | JANUARY | 1,920 | | | |
| FEBRUARY | 4,960 | 260 | | .004 | FEBRUARY | 11,700 | | | |
| MARCH | 63,850 | 184,130 | 121 | .212 | MARCH | 2,680 | | | |
| APRIL | 84,290 | 224,050 | 147 | .195 | APRIL | 13,260 | | | |
| MAY | 74,740 | 153,150 | 100 | .151 | MAY | 42,050 | | | |
| JUNE | 54,940 | 90,900 | 60 | .122 | JUNE | 24,530 | | | |
| JULY | 11,020 | 1,980 | 1 | .013 | JULY | 24,130 | | | |
| AUGUST | 1,800 | 70 | | .003 | AUGUST | 1,290 | | | |
| SEPTEMBER | 863 | 150 | | .013 | SEPTEMBER | 31,110 | | | |
| SUMMARY | 298,600 | 654,820 | 429 | .161 | SUMMARY | 166,300 | | | |

1/ Station was discontinued December 31, 1949

BRAZOS RIVER WATERSHED

LITTLE RIVER STATION ON THE LITTLE RIVER

Net Drainage Area: 5,253 sq. mi.

Location: Missouri, Kansas and Texas Railway bridge, 2 miles south of Little River

Records Available: June 8, 1924 to May 27, 1929

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 18,900 | | | |
| NOVEMBER | 41,200 | | | |
| DECEMBER | 109,000 | | | |
| JANUARY | 38,000 | | | |
| FEBRUARY | 62,000 | | | |
| MARCH | 124,000 | | | |
| APRIL | 58,700 | | | |
| MAY | 117,000 | | | |
| JUNE 1/ | 68,000 | 1,970 | 1 | .006 |
| JULY | 8,560 | 180 | | .002 |
| AUGUST | 4,150 | | | |
| SEPTEMBER | 16,500 | 21,190 | 14 | .094 |
| SUMMARY | 666,000 | | | |

WATER YEAR 1926

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 50,700 | 309,830 | 203 | .449 |
| NOVEMBER | 93,200 | 418,770 | 275 | .330 |
| DECEMBER | 5,820 | 410 | | .005 |
| JANUARY | 38,700 | 30,610 | 20 | .058 |
| FEBRUARY | 16,300 | 970 | 1 | .004 |
| MARCH | 99,900 | 339,740 | 223 | .250 |
| APRIL | 304,000 | 1,303,880 | 855 | .315 |
| MAY | 125,000 | 171,880 | 113 | .101 |
| JUNE | 55,500 | 96,740 | 64 | .128 |
| JULY | 74,700 | 240,260 | 158 | .236 |
| AUGUST | 11,400 | 1,650 | 1 | .011 |
| SEPTEMBER | 8,230 | 720 | | .006 |
| SUMMARY | 883,400 | 2,915,460 | 1,913 | .242 |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 4,000 | 480 | | .009 |
| NOVEMBER | 3,620 | 170 | | .003 |
| DECEMBER | 4,410 | 170 | | .003 |
| JANUARY | 4,000 | 170 | | .003 |
| FEBRUARY | 3,200 | 15 | | |
| MARCH | 2,970 | 78 | | .002 |
| APRIL | 5,010 | 2,810 | 2 | .041 |
| MAY | 40,700 | 189,480 | 124 | .342 |
| JUNE | 2,220 | 110 | | .004 |
| JULY | 1,310 | 57 | | .003 |
| AUGUST | 1,380 | 94 | | .005 |
| SEPTEMBER | 16,500 | 151,400 | 99 | .674 |
| SUMMARY | 89,320 | 345,034 | 225 | .284 |

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 21,900 | 20,890 | 14 | .070 |
| NOVEMBER | 6,790 | 430 | | .005 |
| DECEMBER | 11,300 | 750 | | .005 |
| JANUARY | 9,980 | 240 | | .002 |
| FEBRUARY | 99,300 | 208,610 | 137 | .154 |
| MARCH | 68,500 | 21,650 | 14 | .023 |
| APRIL | 98,800 | 359,930 | 236 | .268 |
| MAY | 65,000 | 128,270 | 84 | .145 |
| JUNE | 135,000 | 524,570 | 344 | .285 |
| JULY | 27,900 | 18,540 | 12 | .049 |
| AUGUST | 5,760 | 320 | | .004 |
| SEPTEMBER | 3,910 | 190 | | .004 |
| SUMMARY | 554,100 | 1,284,390 | 841 | .170 |

1/ Station was established June 8, 1924

BRAZOS RIVER WATERSHED

LITTLE RIVER STATION ON THE LITTLE RIVER - CONTINUED

WATER YEAR 1928

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 119,000 | 324,130 | 213 | .020 | OCTOBER | 1,760 | 77 | | .003 |
| NOVEMBER | 12,600 | 4,150 | 3 | .024 | NOVEMBER | 1,850 | 120 | | .005 |
| DECEMBER | 14,700 | 850 | 1 | .004 | DECEMBER | 8,670 | 2,550 | 2 | .022 |
| JANUARY | 9,840 | 590 | | .004 | JANUARY | 13,500 | 20,320 | 13 | .111 |
| FEBRUARY | 32,700 | 16,780 | 11 | .038 | FEBRUARY | 6,220 | 670 | | .008 |
| MARCH | 27,100 | 1,800 | 1 | .005 | MARCH | 17,000 | 10,390 | 7 | .045 |
| APRIL | 20,000 | 2,190 | 1 | .008 | APRIL | 38,300 | 121,930 | 80 | .234 |
| MAY | 32,200 | 77,660 | 51 | .177 | MAY ^{1/} | 39,104 | 110,320 | 72 | .207 |
| JUNE | 78,600 | 415,800 | 273 | .389 | JUNE | | | | |
| JULY | 8,120 | 4,210 | 3 | .038 | JULY | | | | |
| AUGUST | 16,800 | 8,910 | 6 | .039 | AUGUST | | | | |
| SEPTEMBER | 6,130 | 590 | | .007 | SEPTEMBER | | | | |
| SUMMARY | 377,800 | 857,660 | 563 | .167 | SUMMARY | | | | |

^{1/} Silt Station and U.S.G.S. Gaging Station were discontinued May 27, 1929

BRAZOS RIVER WATERSHED

CIRCLEVILLE STATION ON THE SAN GABRIEL RIVER

Net Drainage Area: 602 sq. mi.

Location: Highway bridge between Taylor and Granger, one half mile southeast of Circleville

Records Available: June 7, 1924 to October 31, 1929

Comments: Used in studies made for the proposed Lanesport Reservoir

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | 19,800 | | | |
| MARCH | 30,900 | | | |
| APRIL | 25,100 | | | |
| MAY | 40,000 | | | |
| JUNE 1/ | 18,000 | 420 | | .003 |
| JULY | 5,480 | | | |
| AUGUST | 2,210 | 210 | | .007 |
| SEPTEMBER | 2,040 | 1,490 | 1 | .054 |
| SUMMARY | | | | |

WATER YEAR 1926

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 20,500 | 117,760 | 77 | .422 |
| NOVEMBER | 16,400 | 47,460 | 31 | .213 |
| DECEMBER | 2,870 | 94 | | .002 |
| JANUARY | 23,100 | 6,000 | 4 | .019 |
| FEBRUARY | 10,800 | 290 | | .002 |
| MARCH | 27,100 | 78,840 | 52 | .214 |
| APRIL | 48,900 | 415,770 | 273 | .625 |
| MAY | 49,700 | 179,890 | 118 | .266 |
| JUNE | 11,800 | 1,500 | 1 | .009 |
| JULY | 10,000 | 16,980 | 11 | .125 |
| AUGUST | 3,000 | 370 | | .009 |
| SEPTEMBER | 1,580 | 130 | | .006 |
| SUMMARY | 225,800 | 865,084 | 567 | .281 |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,070 | 130 | | .009 |
| NOVEMBER | 1,350 | 130 | | .007 |
| DECEMBER | 1,420 | 39 | | .002 |
| JANUARY | 1,510 | 150 | | .007 |
| FEBRUARY | 968 | | | |
| MARCH | 962 | 17 | | .001 |
| APRIL | 1,500 | 200 | | .010 |
| MAY | 10,300 | 63,140 | 41 | .450 |
| JUNE | 252 | 20 | | .006 |
| JULY | 221 | 18 | | .006 |
| AUGUST | 2,310 | 1,260 | 1 | .040 |
| SEPTEMBER | 4,240 | 3,470 | 2 | .060 |
| SUMMARY | 26,100 | 68,574 | 44 | .193 |

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,270 | 2,890 | 2 | .034 |
| NOVEMBER | 2,070 | 110 | | .004 |
| DECEMBER | 3,700 | 230 | | .005 |
| JANUARY | 3,900 | 110 | | .002 |
| FEBRUARY | 28,300 | 152,370 | 100 | .396 |
| MARCH | 23,100 | 22,290 | 15 | .071 |
| APRIL | 31,100 | 46,340 | 30 | .109 |
| MAY | 9,590 | 1,630 | 1 | .012 |
| JUNE | 17,900 | 20,220 | 13 | .083 |
| JULY | 2,630 | 330 | | .009 |
| AUGUST | 707 | 50 | | .005 |
| SEPTEMBER | 543 | 11 | | .001 |
| SUMMARY | 129,800 | 246,581 | 161 | .140 |

1/ Station was established June 7, 1924

BRAZOS RIVER WATERSHED

CIRCLEVILLE STATION ON THE SAN GABRIEL RIVER - CONTINUED

WATER YEAR 1928

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 43,300 | 126,040 | 83 | .214 |
| NOVEMBER | 3,340 | 43 | | .001 |
| DECEMBER | 2,100 | 82 | | .003 |
| JANUARY | 2,000 | 45 | | .002 |
| FEBRUARY | 8,340 | 4,090 | 3 | .036 |
| MARCH | 8,180 | 460 | | .004 |
| APRIL | 3,860 | 360 | | .007 |
| MAY | 4,190 | 2,920 | 2 | .051 |
| JUNE | 5,680 | 5,780 | 4 | .075 |
| JULY | 1,330 | 1,140 | 1 | .063 |
| AUGUST | 474 | 24 | | .004 |
| SEPTEMBER | 415 | 14 | | .002 |
| SUMMARY | 83,210 | 140,998 | 93 | .124 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER ^{1/} | 744 | 7 | | .001 |
| NOVEMBER | 1,520 | | | |
| DECEMBER | 1,490 | | | |
| JANUARY | 1,480 | | | |
| FEBRUARY | 2,140 | | | |
| MARCH | 3,830 | | | |
| APRIL | 2,080 | | | |
| MAY | 94,100 | | | |
| JUNE | 7,020 | | | |
| JULY | 1,840 | | | |
| AUGUST | 695 | | | |
| SEPTEMBER | 910 | | | |
| SUMMARY | 117,800 | | | |

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 389 | 24 | | .005 |
| NOVEMBER | 613 | 28 | | .003 |
| DECEMBER | 1,050 | 56 | | .004 |
| JANUARY | 1,060 | 81 | | .006 |
| FEBRUARY | 922 | 70 | | .006 |
| MARCH | 2,470 | 11,830 | 8 | .352 |
| APRIL | 8,930 | 40,520 | 27 | .333 |
| MAY | 80,600 | 457,230 | 300 | .417 |
| JUNE | 11,500 | 1,180 | 1 | .008 |
| JULY | 4,330 | 380 | | .006 |
| AUGUST | 1,460 | 25 | | .001 |
| SEPTEMBER | 750 | 16 | | .002 |
| SUMMARY | 114,100 | 511,440 | 336 | .329 |

1/ Station was discontinued October 31, 1929

GRAZOS RIVER WATERSHED

JONES BRIDGE (NEAR BRYAN) STATION ON THE GRAZOS RIVER

Net Drainage Area: 29,190 sq. mi.

Location: Jones Bridge, 6 miles southwest of College Station

Records Available: August 1, 1899 to December 31, 1902

Comments: One of the earliest silt sampling stations in Texas; Original data prepared by the late Professor Nagle of Texas Agricultural and Mechanical College; Experiments were made to correlate percentages of silt by volume with percentages by weight

WATER YEAR 1899

WATER YEAR 1901

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT IN ACRE-FEET AFTER SETTLEMENT | | MONTH | STREAM DISCHARGE ACRE-FEET | SILT IN ACRE-FEET AFTER SETTLEMENT | |
|-------------------------|-------------------------------|------------------------------------|--------------|-----------|-------------------------------|------------------------------------|--------------|
| | | FOR ONE WEEK | FOR ONE YEAR | | | FOR ONE WEEK | FOR ONE YEAR |
| OCTOBER | | | | OCTOBER | 498,130 | 7,412 | 5,559 |
| NOVEMBER | | | | NOVEMBER | 256,244 | 3,337 | 2,503 |
| DECEMBER | | | | DECEMBER | 77,452 | 0 | 0 |
| JANUARY | | | | JANUARY | 52,701 | 0 | 0 |
| FEBRUARY | | | | FEBRUARY | 57,002 | 16 | 12 |
| MARCH | | | | MARCH | 48,252 | 7 | 5 |
| APRIL | | | | APRIL | 78,108 | 114 | 86 |
| MAY | | | | MAY | 281,449 | 4,378 | 3,284 |
| JUNE | | | | JUNE | 276,060 | 7,643 | 5,732 |
| JULY | | | | JULY | 28,118 | 12 | 9 |
| AUGUST 1/ ^{1/} | 108,410 | 1,320 | 990 | AUGUST | 38,104 | 0 | 0 |
| SEPTEMBER | 30,270 | 76 | 57 | SEPTEMBER | 46,453 | 97 | 73 |
| TOTALS | | | | TOTALS | 1,738,073 | 23,016 | 17,263 |

WATER YEAR 1900

WATER YEAR 1902

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT IN ACRE-FEET AFTER SETTLEMENT | | MONTH | STREAM DISCHARGE ACRE-FEET | SILT IN ACRE-FEET AFTER SETTLEMENT | |
|-----------|-------------------------------|------------------------------------|--------------|-----------|-------------------------------|------------------------------------|--------------|
| | | FOR ONE WEEK | FOR ONE YEAR | | | FOR ONE WEEK | FOR ONE YEAR |
| OCTOBER | 117,880 | 1,010 | 758 | OCTOBER | 24,717 | 0 | 0 |
| NOVEMBER | 464,850 | 5,639 | 4,229 | NOVEMBER | 27,150 | 0 | 0 |
| DECEMBER | 443,890 | 2,045 | 1,534 | DECEMBER | 18,488 | 0 | 0 |
| JANUARY | 530,570 | 4,554 | 3,416 | JANUARY | 14,448 | 0 | 0 |
| FEBRUARY | 115,860 | 0 | 0 | FEBRUARY | 12,944 | 0 | 0 |
| MARCH | 321,830 | 1,810 | 1,358 | MARCH | 69,696 | 552 | 414 |
| APRIL | 2,601,220 | 49,371 | 37,028 | APRIL | 140,939 | 2,106 | 1,580 |
| MAY | 2,043,600 | 21,662 | 16,246 | MAY | 334,692 | 6,955 | 5,216 |
| JUNE | 751,150 | 8,268 | 6,201 | JUNE | 174,063 | 3,217 | 2,413 |
| JULY | 172,850 | 1,491 | 1,118 | JULY | 765,515 | 11,542 | 8,656 |
| AUGUST | 167,270 | 1,070 | 802 | AUGUST | 638,370 | 5,041 | 3,781 |
| SEPTEMBER | 1,170,810 | 16,907 | 12,680 | SEPTEMBER | 156,682 | 848 | 636 |
| TOTALS | 8,901,780 | 113,827 | 85,370 | TOTALS | 2,377,704 | 30,261 | 22,696 |

^{1/} Station was established August 1, 1899

BRAZOS RIVER WATERSHED

JONES BRIDGE (NEAR BRYAR) STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1903

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT IN ACRE-FEET AFTER SETTLEMENT | |
|------------------------|-------------------------------|------------------------------------|--------------|
| | | FOR ONE WEEK | FOR ONE YEAR |
| OCTOBER | 145,767 | 1,567 | 1,175 |
| NOVEMBER | 633,603 | 6,919 | 5,189 |
| DECEMBER ^{1/} | 276,272 | 1,336 | 1,002 |
| JANUARY | | | |
| FEBRUARY | | | |
| MARCH | | | |
| APRIL | | | |
| MAY | | | |
| JUNE | | | |
| JULY | | | |
| AUGUST | | | |
| SEPTEMBER | | | |
| TOTALS | | | |

^{1/} Station was discontinued December 31, 1902

BRAZOS RIVER WATERSHED

EASTERLY STATION ON THE NAVASOTA RIVER

Net Drainage Area: 949 sq. mi.

Location: U. S. Highway 79 bridge 6 miles northeast of Easterly

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

Comments: Located upstream from the proposed Ferguson damsite and is within the body of the proposed Navasota Reservoir

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 390 | | | |
| NOVEMBER | 938 | | | |
| DECEMBER | 1,640 | | | |
| JANUARY ^{1/} | 763 | 170 | | .016 |
| FEBRUARY | 1,460 | 150 | | .008 |
| MARCH | 1,010 | 230 | | .017 |
| APRIL | 60,180 | 39,450 | 26 | .048 |
| MAY | 88,460 | 73,600 | 49 | .061 |
| JUNE | 26,560 | 18,580 | 12 | .051 |
| JULY | 517 | 210 | | .030 |
| AUGUST | 527 | 370 | | .051 |
| SEPTEMBER | 20,270 | 9,840 | 7 | .036 |
| SUMMARY | 202,700 | | | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 3,890 | 4,710 | 3 | .089 |
| NOVEMBER | 855 | 1,350 | 1 | .116 |
| DECEMBER | 966 | 920 | 1 | .070 |
| JANUARY | 59,150 | 60,290 | 40 | .075 |
| FEBRUARY | 127,900 | 192,190 | 126 | .110 |
| MARCH | 63,820 | 68,050 | 45 | .078 |
| APRIL | 5,950 | 6,850 | 4 | .035 |
| MAY | 310,200 | 533,680 | 350 | .124 |
| JUNE | 18,280 | 19,470 | 13 | .078 |
| JULY | 416 | 210 | | .037 |
| AUGUST | 294 | 440 | | .110 |
| SEPTEMBER | 945 | 1,160 | 1 | .092 |
| SUMMARY | 592,700 | 889,340 | 584 | .110 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,700 | 980 | 1 | .042 |
| NOVEMBER | 11,060 | 7,210 | 5 | .048 |
| DECEMBER | 25,830 | 14,960 | 10 | .043 |
| JANUARY | 10,110 | 4,550 | 3 | .033 |
| FEBRUARY | 1,430 | 350 | | .018 |
| MARCH | 8,540 | 6,000 | 4 | .052 |
| APRIL | 8,330 | 8,160 | 5 | .072 |
| MAY | 6,420 | 7,750 | 5 | .089 |
| JUNE | 10,870 | 9,210 | 6 | .062 |
| JULY | 455 | 390 | | .063 |
| AUGUST | 43 | 25 | | .043 |
| SEPTEMBER | 27 | 17 | | .046 |
| SUMMARY | 84,820 | 59,602 | 39 | .052 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 98 | 60 | | .045 |
| NOVEMBER | 19,220 | 26,990 | 18 | .103 |
| DECEMBER | 54,710 | 50,020 | 33 | .067 |
| JANUARY | 80,080 | 72,770 | 48 | .067 |
| FEBRUARY | 39,140 | 36,160 | 24 | .068 |
| MARCH | 116,500 | 147,190 | 97 | .093 |
| APRIL | 149,400 | 163,480 | 108 | .081 |
| MAY | 12,280 | 18,400 | 12 | .110 |
| JUNE | 15,960 | 20,270 | 13 | .093 |
| JULY | 11,600 | 17,560 | 12 | .111 |
| AUGUST | 30,840 | 27,580 | 18 | .066 |
| SEPTEMBER | 26,290 | 25,500 | 17 | .071 |
| SUMMARY | 556,100 | 607,980 | 400 | .080 |

^{1/} Station was established January 1, 1942

BRAZOS RIVER WATERSHED

EASTERLY STATION ON THE NAVASOTA RIVER - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 57,330 | 54,900 | 36 | .070 |
| NOVEMBER | 5,180 | 2,700 | 2 | .038 |
| DECEMBER | 112,600 | 95,420 | 63 | .062 |
| JANUARY | 52,800 | 51,640 | 34 | .072 |
| FEBRUARY | 69,420 | 64,450 | 42 | .068 |
| MARCH | 72,230 | 65,100 | 43 | .066 |
| APRIL | 16,030 | 9,160 | 6 | .042 |
| MAY | 176,100 | 137,690 | 90 | .057 |
| JUNE | 51,090 | 30,210 | 20 | .043 |
| JULY | 1,650 | 490 | | .022 |
| AUGUST | 469 | 180 | | .028 |
| SEPTEMBER | 3,080 | 1,110 | 1 | .026 |
| SUMMARY | 618,000 | 513,050 | 337 | .061 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 199 | 30 | | .011 |
| NOVEMBER | 318 | 90 | | .021 |
| DECEMBER | 3,340 | 1,270 | 1 | .028 |
| JANUARY | 6,920 | 4,190 | 3 | .044 |
| FEBRUARY | 28,450 | 16,040 | 11 | .041 |
| MARCH | 12,930 | 5,440 | 4 | .031 |
| APRIL | 12,720 | 11,610 | 8 | .067 |
| MAY | 30,650 | 38,770 | 25 | .093 |
| JUNE | 816 | 380 | | .034 |
| JULY | 2,620 | 2,150 | 1 | .060 |
| AUGUST | 89 | 10 | | .008 |
| SEPTEMBER | 102 | | | |
| SUMMARY | 99,150 | 79,980 | 53 | .059 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 731 | 440 | | .044 |
| NOVEMBER | 89,370 | 61,910 | 41 | .051 |
| DECEMBER | 15,070 | 5,520 | 4 | .027 |
| JANUARY | 78,560 | 19,430 | 13 | .018 |
| FEBRUARY | 5,680 | 2,020 | 1 | .026 |
| MARCH | 81,250 | 39,840 | 26 | .036 |
| APRIL | 13,260 | 2,350 | 2 | .013 |
| MAY | 131,200 | 50,330 | 33 | .028 |
| JUNE | 23,800 | 10,520 | 7 | .032 |
| JULY | 737 | 120 | | .012 |
| AUGUST | 1,160 | 560 | | .035 |
| SEPTEMBER | 370 | 70 | | .014 |
| SUMMARY | 441,200 | 193,110 | 127 | .032 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 94 | | | |
| NOVEMBER | 187 | 50 | | .018 |
| DECEMBER | 857 | 290 | | .025 |
| JANUARY | 28,430 | 14,960 | 10 | .039 |
| FEBRUARY | 6,600 | 4,660 | 3 | .052 |
| MARCH | 42,020 | 52,500 | 34 | .092 |
| APRIL | 12,800 | 5,610 | 4 | .032 |
| MAY | 2,500 | 1,250 | 1 | .037 |
| JUNE | 9,580 | 8,170 | 5 | .063 |
| JULY | 1,880 | 690 | | .027 |
| AUGUST | 259 | 30 | | .008 |
| SEPTEMBER | 729 | 800 | 1 | .081 |
| SUMMARY | 105,900 | 89,010 | 58 | .062 |

GRAZOS RIVER WATERSHED

EASTERLY STATION ON THE NAVASOTA RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 45,750 | 44,560 | 29 | .072 |
| NOVEMBER | 935 | 180 | | .014 |
| DECEMBER | 2,280 | 1,170 | 1 | .038 |
| JANUARY | 29,610 | 21,710 | 14 | .054 |
| FEBRUARY | 115,300 | 44,940 | 29 | .029 |
| MARCH | 3,620 | 740 | | .015 |
| APRIL | 38,060 | 14,170 | 9 | .027 |
| MAY | 7,810 | 3,460 | 2 | .033 |
| JUNE | 10,240 | 5,830 | 4 | .042 |
| JULY | 2,020 | 220 | | .008 |
| AUGUST | 227 | 10 | | .003 |
| SEPTEMBER | 150 | 10 | | .005 |
| SUMMARY | 256,000 | 137,000 | 88 | .039 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 132 | 50 | | .028 |
| NOVEMBER | 164 | 50 | | .022 |
| DECEMBER | 575 | 120 | | .015 |
| JANUARY | 642 | 90 | | .010 |
| FEBRUARY | 8,200 | 5,110 | 3 | .046 |
| MARCH | 9,850 | 5,990 | 4 | .045 |
| APRIL | 24,160 | 9,460 | 6 | .029 |
| MAY | 42,580 | 26,340 | 17 | .045 |
| JUNE | 1,120 | 410 | | .027 |
| JULY | 133 | 20 | | .011 |
| AUGUST | 32 | | | |
| SEPTEMBER | 19 | | | |
| SUMMARY | 87,610 | 47,640 | 30 | .040 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 147 | 10 | | .005 |
| NOVEMBER | 464 | 70 | | .011 |
| DECEMBER | 277 | 30 | | .008 |
| JANUARY | 379 | 30 | | .006 |
| FEBRUARY | 740 | 70 | | .007 |
| MARCH | 1,620 | 870 | 1 | .039 |
| APRIL | 1,240 | 330 | | .020 |
| MAY | 4,710 | 2,200 | 1 | .034 |
| JUNE | 3,180 | 950 | 1 | .022 |
| JULY | 58 | 20 | | .024 |
| AUGUST | 1 | | | |
| SEPTEMBER | 4,080 | 3,190 | 2 | .057 |
| SUMMARY | 16,900 | 7,770 | 5 | .034 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 23 | | | |
| NOVEMBER | 3,780 | 3,210 | 2 | .062 |
| DECEMBER | 22,840 | 10,440 | 7 | .034 |
| JANUARY | 23,410 | 7,380 | 5 | .023 |
| FEBRUARY | 2,530 | 1,800 | 1 | .052 |
| MARCH | 71,820 | 34,410 | 23 | .035 |
| APRIL | 4,230 | 7,140 | 5 | .124 |
| MAY | 206,800 | 372,300 | 245 | .132 |
| JUNE | 612 | 170 | | .020 |
| JULY | 665 | 160 | | .018 |
| AUGUST | 450 | 270 | | .044 |
| SEPTEMBER | 572 | 90 | | .012 |
| SUMMARY | 337,700 | 437,370 | 288 | .095 |

BRAZOS RIVER WATERSHED

EASTERLY STATION ON THE NAVASOTA RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 3,730 | 4,880 | 3 | .096 |
| NOVEMBER | 6,390 | 2,540 | 2 | .029 |
| DECEMBER | 80,270 | 6,140 | 4 | .006 |
| JANUARY | 12,720 | 3,030 | 2 | .017 |
| FEBRUARY 1/ | 1,590 | | | |
| MARCH | 920 | | | |
| APRIL | 1,230 | | | |
| MAY | 27,920 | | | |
| JUNE | 221 | | | |
| JULY | 24 | | | |
| AUGUST | 21 | | | |
| SEPTEMBER | 14 | | | |
| SUMMARY | 135,000 | | | |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 292 | 58 | | .015 |
| NOVEMBER | 25 | | | |
| DECEMBER | 135 | 7 | | .004 |
| JANUARY | 612 | 115 | | .014 |
| FEBRUARY | 8,080 | 4,077 | 3 | .037 |
| MARCH | 576 | 70 | | .009 |
| APRIL | 296 | 28 | | .007 |
| MAY | 38,810 | 32,475 | 21 | .061 |
| JUNE | 2,120 | 943 | 1 | .033 |
| JULY | 34 | | | |
| AUGUST | 18 | | | |
| SEPTEMBER | 75 | 4 | | .004 |
| SUMMARY | 51,070 | 37,777 | 25 | .054 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 194 | 11 | | .004 |
| NOVEMBER | 1,150 | 297 | | .019 |
| DECEMBER | 1,700 | 699 | | .030 |
| JANUARY | 2,000 | 850 | 1 | .031 |
| FEBRUARY | 14,800 | 8,747 | 6 | .043 |
| MARCH | 9,750 | 6,303 | 4 | .047 |
| APRIL | 24,260 | 15,076 | 10 | .046 |
| MAY | 9,690 | 5,959 | 4 | .045 |
| JUNE | 5,280 | 2,749 | 2 | .038 |
| JULY | 685 | 144 | | .015 |
| AUGUST | 787 | 148 | | .014 |
| SEPTEMBER | 37 | | | |
| SUMMARY | 70,330 | 40,983 | 27 | .043 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 11 | | | |
| NOVEMBER | 2,300 | 904 | 1 | .029 |
| DECEMBER | 145 | 8 | | .004 |
| JANUARY | 145 | 8 | | .004 |
| FEBRUARY | 5,320 | 2,364 | 2 | .033 |
| MARCH | 28,540 | 18,938 | 12 | .049 |
| APRIL | 236,000 | 352,150 | 231 | .110 |
| MAY | 201,600 | 252,266 | 165 | .092 |
| JUNE | 43,800 | 35,308 | 23 | .059 |
| JULY | 242 | 13 | | .004 |
| AUGUST | 34 | | | |
| SEPTEMBER | 203 | 36 | | .013 |
| SUMMARY | 518,300 | 661,995 | 434 | .094 |

1/ Incomplete records for February through September 1954. omitted

BRAZOS RIVER WATERSHED

EASTERLY STATION ON THE NAVASOTA RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|---------------------|-------------------------------|--------------------------------|---------------------|-------------------------|--------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 150,500 | 69,226 | 45 | .034 | OCTOBER | 10,260 | 3,014 | 2 | .022 |
| NOVEMBER | 53,090 | 24,519 | 16 | .034 | NOVEMBER | 1,110 | 225 | | .015 |
| DECEMBER | 4,530 | 1,525 | 1 | .025 | DECEMBER | 2,690 | 978 | 1 | .027 |
| JANUARY | 17,280 | 1,129 | 1 | .005 | JANUARY | 1,780 | 448 | | .018 |
| FEBRUARY | 29,180 | 8,740 | 6 | .022 | FEBRUARY | 30,490 | 9,582 | 6 | .023 |
| MARCH | 5,510 | 988 | 1 | .013 | MARCH | 5,770 | 1,422 | 1 | .018 |
| APRIL ^{1/} | 6,720 | | | | APRIL | 43,130 | 18,669 | 12 | .032 |
| MAY | 49,770 | | | | MAY | 74,580 | 32,546 | 21 | .032 |
| JUNE | 11,700 | | | | JUNE ^{2/} | 80,560 | | | |
| JULY | 725 | | | | JULY | 7,550 | | | |
| AUGUST | 28,700 | | | | AUGUST | 1,560 | | | |
| SEPTEMBER | 43,180 | 15,266 | 10 | .026 | SEPTEMBER | 1,960 | 421 | | .016 |
| SUMMARY | 400,900 | | | | SUMMARY | 261,400 | | | |

^{1/} Incomplete records for April through August 1958 omitted

^{2/} Incomplete records for June through August 1959 omitted

BRAZOS RIVER WATERSHED

ROSENBERG-RICHMOND STATION ON THE BRAZOS RIVER

Net Drainage Area: 34,780 (previously published as 34,810) sq. mi.

Location: U. S. Highway 90-A bridge on northeast edge of Richmond

Records Available: June 11, 1924 to date

Comments: Established at Rosenberg (net drainage area: 34,760) on June 11, 1924; moved to Richmond on April 13, 1932; Purpose of station is to compare upstream and downstream silt loads

WATER YEAR 1924

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 296,000 | | | |
| NOVEMBER | 632,000 | | | |
| DECEMBER | 1,870,000 | | | |
| JANUARY | 727,000 | | | |
| FEBRUARY | 894,000 | | | |
| MARCH | 1,380,000 | | | |
| APRIL | 765,000 | | | |
| MAY | 632,000 | | | |
| JUNE 1/ | 909,000 | 343,300 | 225 | .100 |
| JULY | 88,800 | 26,360 | 17 | .022 |
| AUGUST | 46,100 | 2,240 | 1 | .004 |
| SEPTEMBER | 108,000 | 342,320 | 225 | .233 |
| SUMMARY | 8,348,000 | | | |

WATER YEAR 1926

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 991,000 | 6,236,050 | 4,090 | .662 |
| NOVEMBER | 1,120,000 | 4,019,620 | 2,637 | .264 |
| DECEMBER | 95,800 | 20,920 | 14 | .016 |
| JANUARY | 539,000 | 2,110,080 | 1,384 | .288 |
| FEBRUARY | 186,000 | 106,740 | 70 | .042 |
| MARCH | 955,000 | 3,603,110 | 2,363 | .277 |
| APRIL | 2,190,000 | 13,300,030 | 8,724 | .446 |
| MAY | 1,240,000 | 3,676,190 | 2,411 | .218 |
| JUNE | 462,000 | 3,596,730 | 2,359 | .572 |
| JULY | 372,000 | 2,039,020 | 1,337 | .403 |
| AUGUST | 272,000 | 1,527,250 | 1,002 | .412 |
| SEPTEMBER | 340,000 | 4,703,610 | 3,085 | 1.016 |
| SUMMARY | 8,763,000 | 44,939,350 | 29,476 | .377 |

WATER YEAR 1925

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 83,800 | 205,040 | 134 | .180 |
| NOVEMBER | 41,000 | 4,450 | 3 | .008 |
| DECEMBER | 45,100 | 2,970 | 2 | .005 |
| JANUARY | 44,100 | 4,500 | 3 | .007 |
| FEBRUARY | 34,400 | 1,370 | 1 | .003 |
| MARCH | 30,900 | 2,300 | 2 | .005 |
| APRIL | 27,000 | 2,740 | 2 | .007 |
| MAY | 514,000 | 8,427,090 | 5,527 | 1.204 |
| JUNE | 52,700 | 15,330 | 10 | .021 |
| JULY | 31,900 | 3,390 | 2 | .008 |
| AUGUST | 42,400 | 158,690 | 104 | .275 |
| SEPTEMBER | 290,000 | 3,848,840 | 2,524 | .975 |
| SUMMARY | 1,237,000 | 12,676,710 | 8,314 | .753 |

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 383,000 | 6,133,660 | 4,023 | 1.176 |
| NOVEMBER | 203,000 | 706,870 | 464 | .256 |
| DECEMBER | 701,000 | 2,899,910 | 1,092 | .304 |
| JANUARY | 292,000 | 625,210 | 410 | .157 |
| FEBRUARY | 544,000 | 2,167,930 | 1,422 | .273 |
| MARCH | 679,000 | 2,459,250 | 1,613 | .266 |
| APRIL | 961,000 | 7,965,830 | 5,225 | .609 |
| MAY | 421,000 | 1,528,830 | 1,003 | .267 |
| JUNE | 838,000 | 8,801,100 | 5,773 | .772 |
| JULY | 378,000 | 1,040,010 | 682 | .202 |
| AUGUST | 104,000 | 39,080 | 26 | .028 |
| SEPTEMBER | 58,600 | 9,640 | 6 | .012 |
| SUMMARY | 5,563,000 | 34,377,320 | 21,739 | .454 |

1/ Station was established at Rosenberg June 11, 1924

BRAZOS RIVER WATERSHED

ROSENBERG-RICHMOND STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1928

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 599,000 | 4,953,910 | 3,249 | .608 |
| NOVEMBER | 81,500 | 8,440 | 5 | .008 |
| DECEMBER | 82,400 | 27,970 | 18 | .025 |
| JANUARY | 85,500 | 32,100 | 21 | .028 |
| FEBRUARY | 318,000 | 3,278,570 | 2,150 | .757 |
| MARCH | 298,000 | 423,230 | 278 | .104 |
| APRIL | 214,000 | 562,750 | 369 | .193 |
| MAY | 295,000 | 5,009,890 | 3,286 | 1.248 |
| JUNE | 815,000 | 9,028,140 | 5,922 | .814 |
| JULY | 161,000 | 1,074,180 | 705 | .490 |
| AUGUST | 264,000 | 3,423,140 | 2,245 | .953 |
| SEPTEMBER | 105,000 | 341,570 | 224 | .239 |
| SUMMARY | 3,318,000 | 28,163,890 | 18,472 | .624 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 86,100 | 31,800 | 21 | .027 |
| NOVEMBER | 555,000 | 1,978,010 | 1,297 | .262 |
| DECEMBER | 97,500 | 31,270 | 20 | .023 |
| JANUARY | 214,000 | 423,770 | 278 | .145 |
| FEBRUARY | 408,000 | 877,950 | 576 | .158 |
| MARCH | 238,000 | 318,600 | 209 | .098 |
| APRIL | 134,000 | 72,880 | 48 | .040 |
| MAY | 2,600,000 | 30,476,030 | 19,989 | .861 |
| JUNE | 582,000 | 4,357,970 | 2,858 | .550 |
| JULY | 128,000 | 76,570 | 50 | .044 |
| AUGUST | 58,000 | 3,120 | 2 | .004 |
| SEPTEMBER | 118,000 | 38,360 | 25 | .024 |
| SUMMARY | 5,219,000 | 38,686,330 | 25,373 | .545 |

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 37,600 | 5,160 | 3 | .010 |
| NOVEMBER | 40,800 | 5,480 | 4 | .010 |
| DECEMBER | 231,000 | 700,140 | 459 | .223 |
| JANUARY | 328,000 | 948,760 | 622 | .212 |
| FEBRUARY | 96,100 | 60,540 | 40 | .046 |
| MARCH | 296,000 | 933,750 | 612 | .232 |
| APRIL | 708,000 | 5,458,680 | 3,580 | .566 |
| MAY | 1,130,000 | 9,950,970 | 6,527 | .647 |
| JUNE | 2,360,000 | 8,074,860 | 5,296 | .251 |
| JULY | 322,000 | 471,810 | 309 | .108 |
| AUGUST | 57,900 | 5,340 | 4 | .007 |
| SEPTEMBER | 393,000 | 5,668,710 | 3,718 | 1.060 |
| SUMMARY | 6,000,000 | 32,284,200 | 21,174 | .395 |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 916,000 | 8,317,770 | 5,456 | .667 |
| NOVEMBER | 212,000 | 540,620 | 355 | .187 |
| DECEMBER | 935,000 | 6,314,890 | 4,142 | .496 |
| JANUARY | 713,000 | 3,128,350 | 2,052 | .322 |
| FEBRUARY | 783,000 | 3,788,410 | 2,485 | .355 |
| MARCH | 867,000 | 2,765,620 | 1,814 | .234 |
| APRIL | 378,000 | 806,320 | 529 | .157 |
| MAY | 416,000 | 1,384,730 | 908 | .245 |
| JUNE | 218,000 | 634,370 | 416 | .214 |
| JULY | 96,500 | 73,560 | 48 | .056 |
| AUGUST | 59,500 | 6,530 | 4 | .006 |
| SEPTEMBER | 45,000 | 4,890 | 3 | .008 |
| SUMMARY | 5,639,000 | 27,766,660 | 18,212 | .362 |

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GRAZOS RIVER WATERSHED

ROSENBERG-RICHMOND STATION ON THE GRAZOS RIVER - CONTINUED

WATER YEAR 1932

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|---------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 175,000 | 1,481,980 | 972 | .622 |
| NOVEMBER | 152,000 | 805,970 | 529 | .390 |
| DECEMBER | 180,000 | 639,170 | 419 | .261 |
| JANUARY | 1,750,000 | 10,953,250 | 7,184 | .460 |
| FEBRUARY | 1,470,000 | 9,573,050 | 6,279 | .474 |
| MARCH | 972,000 | 5,018,270 | 3,292 | .379 |
| APRIL ^{1/} | 165,000 | 54,300 | 36 | .024 |
| MAY | 928,000 | 10,253,050 | 6,725 | .812 |
| JUNE | 425,000 | 1,741,020 | 1,142 | .301 |
| JULY | 550,000 | 6,171,770 | 4,048 | .824 |
| AUGUST | 124,000 | 124,990 | 82 | .074 |
| SEPTEMBER | 1,150,000 | 16,832,690 | 11,041 | 1.075 |
| SUMMARY | 8,040,000 | 63,649,510 | 41,749 | .582 |

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 57,200 | 40,080 | 26 | .051 |
| NOVEMBER | 48,400 | 4,330 | 3 | .007 |
| DECEMBER | 34,100 | 3,620 | 2 | .008 |
| JANUARY | 330,000 | 1,748,630 | 1,147 | .389 |
| FEBRUARY | 514,000 | 2,064,100 | 1,354 | .295 |
| MARCH | 787,000 | 6,273,520 | 4,115 | .586 |
| APRIL | 1,330,000 | 12,898,430 | 8,460 | .712 |
| MAY | 183,000 | 266,360 | 175 | .107 |
| JUNE | 35,900 | 1,630 | 1 | .003 |
| JULY | 13,600 | 260 | | .001 |
| AUGUST | 8,670 | 350 | | .003 |
| SEPTEMBER | 30,800 | 17,470 | 11 | .042 |
| SUMMARY | 3,370,000 | 23,318,780 | 15,294 | .508 |

WATER YEAR 1933

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 163,000 | 227,150 | 149 | .102 |
| NOVEMBER | 68,400 | 6,860 | 4 | .007 |
| DECEMBER | 106,000 | 291,020 | 191 | .202 |
| JANUARY | 282,000 | 1,195,300 | 784 | .311 |
| FEBRUARY | 270,000 | 897,760 | 589 | .244 |
| MARCH | 434,000 | 2,065,170 | 1,355 | .350 |
| APRIL | 220,000 | 818,360 | 537 | .273 |
| MAY | 383,000 | 5,166,540 | 3,389 | .991 |
| JUNE | 330,000 | 3,447,560 | 2,261 | .767 |
| JULY | 39,700 | 3,310 | 3 | .010 |
| AUGUST | 153,000 | 880,630 | 578 | .423 |
| SEPTEMBER | 114,000 | 173,860 | 114 | .112 |
| SUMMARY | 2,560,000 | 15,175,520 | 9,954 | .435 |

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 37,480 | 5,960 | 4 | .012 |
| NOVEMBER | 153,000 | 925,870 | 607 | .439 |
| DECEMBER | 229,900 | 1,270,850 | 834 | .406 |
| JANUARY | 207,600 | 473,410 | 311 | .168 |
| FEBRUARY | 443,500 | 3,003,260 | 1,970 | .497 |
| MARCH | 197,300 | 344,380 | 226 | .128 |
| APRIL | 208,800 | 497,050 | 326 | .175 |
| MAY | 3,309,000 | 31,663,440 | 20,768 | .703 |
| JUNE | 1,416,000 | 17,098,910 | 11,215 | .887 |
| JULY | 415,400 | 2,366,500 | 1,552 | .418 |
| AUGUST | 153,000 | 276,010 | 181 | .133 |
| SEPTEMBER | 561,500 | 5,547,350 | 3,639 | .726 |
| SUMMARY | 7,334,000 | 63,472,990 | 41,633 | .636 |

^{1/} Station was moved to Richmond April 13, 1932

BRAZOS RIVER WATERSHED

ROSENBERG-RICHMOND STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 329,000 | 1,190,060 | 781 | .266 |
| NOVEMBER | 285,100 | 420,830 | 276 | .108 |
| DECEMBER | 1,213,000 | 8,838,280 | 5,797 | .535 |
| JANUARY | 201,400 | 60,300 | 40 | .022 |
| FEBRUARY | 144,500 | 35,380 | 23 | .018 |
| MARCH | 118,400 | 4,220 | 3 | .003 |
| APRIL | 79,580 | 23,500 | 15 | .022 |
| MAY | 1,196,000 | 10,384,600 | 6,811 | .638 |
| JUNE | 832,500 | 4,224,400 | 2,771 | .373 |
| JULY | 1,087,000 | 7,128,120 | 4,675 | .482 |
| AUGUST | 91,160 | 23,420 | 15 | .019 |
| SEPTEMBER | 453,900 | 7,997,390 | 5,246 | 1.294 |
| SUMMARY | 6,032,000 | 40,330,500 | 26,453 | .491 |

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 170,000 | 783,630 | 514 | .339 |
| NOVEMBER | 177,500 | 517,350 | 339 | .214 |
| DECEMBER | 430,700 | 1,906,960 | 1,251 | .325 |
| JANUARY | 1,140,000 | 10,433,460 | 6,045 | .572 |
| FEBRUARY | 1,047,000 | 10,167,140 | 5,669 | .713 |
| MARCH | 509,100 | 1,091,810 | 716 | .158 |
| APRIL | 1,188,000 | 13,961,630 | 9,158 | .863 |
| MAY | 1,158,000 | 7,027,840 | 4,610 | .446 |
| JUNE | 605,000 | 4,966,740 | 3,259 | .603 |
| JULY | 346,000 | 2,824,930 | 1,853 | .600 |
| AUGUST | 355,600 | 2,028,630 | 1,331 | .419 |
| SEPTEMBER | 76,700 | 3,070 | 2 | .003 |
| SUMMARY | 7,204,000 | 55,713,190 | 36,544 | .568 |

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,443,000 | 13,069,190 | 8,572 | .665 |
| NOVEMBER | 466,200 | 976,290 | 640 | .154 |
| DECEMBER | 784,600 | 3,826,800 | 2,510 | .358 |
| JANUARY | 850,100 | 3,680,110 | 2,414 | .318 |
| FEBRUARY | 380,700 | 281,750 | 185 | .054 |
| MARCH | 582,700 | 1,229,250 | 806 | .155 |
| APRIL | 237,700 | 92,690 | 61 | .029 |
| MAY | 108,200 | 21,010 | 14 | .014 |
| JUNE | 265,200 | 1,242,950 | 815 | .344 |
| JULY | 115,700 | 141,340 | 93 | .090 |
| AUGUST | 51,590 | 17,710 | 12 | .025 |
| SEPTEMBER | 120,100 | 952,620 | 625 | .583 |
| SUMMARY | 5,406,000 | 25,531,710 | 16,747 | .347 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 48,050 | 230 | | |
| NOVEMBER | 38,300 | 550 | | .001 |
| DECEMBER | 40,000 | 640 | | .001 |
| JANUARY | 165,200 | 214,570 | 141 | .095 |
| FEBRUARY | 155,100 | 267,340 | 175 | .127 |
| MARCH | 168,600 | 394,660 | 259 | .174 |
| APRIL | 71,260 | 14,590 | 10 | .015 |
| MAY | 542,700 | 8,286,870 | 5,435 | 1.122 |
| JUNE | 452,800 | 4,408,870 | 2,891 | .715 |
| JULY | 201,800 | 1,153,130 | 756 | .420 |
| AUGUST | 38,010 | 990 | 1 | .002 |
| SEPTEMBER | 44,290 | 500 | | .001 |
| SUMMARY | 1,966,000 | 14,742,960 | 9,668 | .551 |

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BRAZOS RIVER WATERSHED

ROSENBERG-RICHMOND STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 32,820 | 670 | | .001 |
| NOVEMBER | 34,770 | 210 | | |
| DECEMBER | 57,790 | 65,620 | 43 | .083 |
| JANUARY | 43,750 | 18,430 | 12 | .031 |
| FEBRUARY | 150,100 | 243,310 | 160 | .110 |
| MARCH | 42,590 | 4,380 | 3 | .008 |
| APRIL | 192,200 | 1,943,020 | 1,274 | .743 |
| MAY | 306,300 | 1,898,850 | 1,245 | .455 |
| JUNE | 641,900 | 5,232,570 | 3,432 | .599 |
| JULY | 1,307,000 | 11,508,410 | 7,548 | .647 |
| AUGUST | 244,500 | 2,667,210 | 1,749 | .801 |
| SEPTEMBER | 107,400 | 96,540 | 63 | .066 |
| SUMMARY | 3,161,000 | 23,679,220 | 15,529 | .550 |

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 786,100 | 5,201,920 | 3,412 | .486 |
| NOVEMBER | 664,900 | 3,043,200 | 1,996 | .336 |
| DECEMBER | 158,300 | 36,100 | 24 | .017 |
| JANUARY | 147,100 | 37,310 | 24 | .019 |
| FEBRUARY | 103,000 | 14,330 | 9 | .010 |
| MARCH | 89,300 | 12,470 | 8 | .010 |
| APRIL | 2,081,000 | 26,904,900 | 17,647 | .950 |
| MAY | 1,956,000 | 18,498,050 | 12,133 | .695 |
| JUNE | 1,287,000 | 9,018,720 | 5,916 | .515 |
| JULY | 333,700 | 817,240 | 536 | .180 |
| AUGUST | 96,710 | 47,490 | 31 | .036 |
| SEPTEMBER | 819,800 | 7,858,380 | 5,155 | .704 |
| SUMMARY | 8,523,000 | 71,490,110 | 46,891 | .616 |

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 66,170 | 3,010 | 2 | .033 |
| NOVEMBER | 1,406,000 | 8,040,630 | 5,274 | .420 |
| DECEMBER | 3,251,000 | 16,750,500 | 10,987 | .378 |
| JANUARY | 1,188,000 | 5,588,180 | 3,665 | .346 |
| FEBRUARY | 1,357,000 | 9,335,680 | 6,123 | .505 |
| MARCH | 1,587,000 | 7,636,750 | 5,009 | .353 |
| APRIL | 1,054,000 | 4,455,480 | 2,922 | .311 |
| MAY | 2,507,000 | 19,452,860 | 12,759 | .570 |
| JUNE | 2,089,000 | 18,029,460 | 11,826 | .634 |
| JULY | 1,041,000 | 6,576,290 | 4,314 | .464 |
| AUGUST | 274,700 | 833,460 | 547 | .223 |
| SEPTEMBER | 303,500 | 604,210 | 396 | .146 |
| SUMMARY | 16,120,000 | 97,306,510 | 63,824 | .443 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 726,300 | 6,483,630 | 4,253 | .656 |
| NOVEMBER | 410,300 | 725,580 | 476 | .130 |
| DECEMBER | 246,500 | 440,100 | 289 | .131 |
| JANUARY | 351,300 | 427,650 | 281 | .089 |
| FEBRUARY | 167,800 | 44,430 | 29 | .019 |
| MARCH | 266,200 | 763,670 | 501 | .211 |
| APRIL | 317,300 | 937,770 | 615 | .217 |
| MAY | 223,000 | 549,120 | 360 | .181 |
| JUNE | 226,200 | 488,690 | 321 | .159 |
| JULY | 151,900 | 421,420 | 276 | .204 |
| AUGUST | 107,000 | 102,240 | 67 | .070 |
| SEPTEMBER | 61,510 | 42,060 | 28 | .050 |
| SUMMARY | 3,255,000 | 11,426,360 | 7,496 | .258 |

GRAZOS RIVER WATERSHED

ROSENBERG-RICHMOND STATION ON THE GRAZOS RIVER - CONTINUED

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 89,100 | 127,010 | 83 | .105 |
| NOVEMBER | 56,190 | 43,150 | 28 | .056 |
| DECEMBER | 91,460 | 125,170 | 82 | .101 |
| JANUARY | 677,800 | 2,270,910 | 1,490 | .246 |
| FEBRUARY | 955,000 | 4,984,040 | 3,269 | .383 |
| MARCH | 1,132,000 | 5,103,150 | 3,347 | .331 |
| APRIL | 338,200 | 362,420 | 238 | .079 |
| MAY | 2,804,000 | 28,001,000 | 18,366 | .734 |
| JUNE | 1,029,000 | 5,202,560 | 3,412 | .371 |
| JULY | 135,000 | 100,920 | 66 | .055 |
| AUGUST | 66,550 | 36,160 | 24 | .040 |
| SEPTEMBER | 252,200 | 379,140 | 249 | .110 |
| SUMMARY | 7,627,000 | 46,735,630 | 30,654 | .450 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 478,900 | 1,471,690 | 965 | .226 |
| NOVEMBER | 131,900 | 94,020 | 62 | .052 |
| DECEMBER | 490,600 | 1,768,840 | 1,160 | .265 |
| JANUARY | 695,400 | 2,086,460 | 1,369 | .220 |
| FEBRUARY | 875,200 | 3,863,690 | 2,534 | .324 |
| MARCH | 1,312,000 | 8,028,190 | 5,266 | .450 |
| APRIL | 511,200 | 838,160 | 550 | .120 |
| MAY | 1,601,000 | 10,615,700 | 6,963 | .487 |
| JUNE | 844,900 | 2,785,070 | 1,827 | .242 |
| JULY | 213,500 | 3,811,260 | 2,500 | 1.311 |
| AUGUST | 69,690 | 12,380 | 8 | .013 |
| SEPTEMBER | 175,300 | 108,770 | 71 | .046 |
| SUMMARY | 7,400,000 | 35,484,230 | 23,275 | .352 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 83,530 | 45,110 | 30 | .040 |
| NOVEMBER | 335,800 | 1,008,120 | 661 | .221 |
| DECEMBER | 791,400 | 3,960,280 | 2,598 | .368 |
| JANUARY | 1,327,000 | 7,462,450 | 4,895 | .413 |
| FEBRUARY | 927,500 | 5,864,920 | 3,847 | .465 |
| MARCH | 1,285,000 | 6,698,590 | 4,394 | .383 |
| APRIL | 2,493,000 | 23,036,040 | 15,110 | .679 |
| MAY | 757,800 | 1,985,570 | 1,302 | .192 |
| JUNE | 561,600 | 2,709,310 | 1,777 | .354 |
| JULY | 433,900 | 1,707,350 | 1,120 | .289 |
| AUGUST | 445,600 | 2,085,000 | 1,368 | .344 |
| SEPTEMBER | 362,600 | 691,290 | 453 | .140 |
| SUMMARY | 9,805,000 | 57,254,020 | 37,555 | .429 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 318,100 | 352,480 | 231 | .081 |
| NOVEMBER | 1,045,000 | 4,293,900 | 2,816 | .302 |
| DECEMBER | 565,800 | 2,065,320 | 1,355 | .268 |
| JANUARY | 1,027,000 | 4,050,010 | 2,656 | .290 |
| FEBRUARY | 323,700 | 1,67,310 | 110 | .038 |
| MARCH | 812,400 | 2,844,300 | 1,866 | .257 |
| APRIL | 433,400 | 848,530 | 557 | .144 |
| MAY | 853,900 | 3,513,610 | 2,305 | .302 |
| JUNE | 357,700 | 620,170 | 407 | .127 |
| JULY | 101,800 | 28,730 | 19 | .021 |
| AUGUST | 363,900 | 2,112,780 | 1,386 | .427 |
| SEPTEMBER | 143,800 | 114,390 | 75 | .058 |
| SUMMARY | 6,346,000 | 21,011,530 | 13,783 | .243 |

BRAZOS RIVER WATERSHED

ROSENBERG-RICHMOND STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 57,940 | 6,160 | 4 | .008 |
| NOVEMBER | 91,760 | 56,050 | 37 | .045 |
| DECEMBER | 213,900 | 212,250 | 139 | .073 |
| JANUARY | 120,100 | 34,460 | 23 | .021 |
| FEBRUARY | 257,300 | 265,920 | 174 | .076 |
| MARCH | 350,000 | 1,169,300 | 767 | .245 |
| APRIL | 165,500 | 236,850 | 155 | .105 |
| MAY | 282,100 | 1,359,490 | 892 | .354 |
| JUNE | 123,700 | 245,360 | 161 | .146 |
| JULY | 184,800 | 356,780 | 234 | .142 |
| AUGUST | 34,960 | 5,140 | 3 | .011 |
| SEPTEMBER | 68,470 | 2,960 | 2 | .003 |
| SUMMARY | 1,951,000 | 3,950,720 | 2,591 | .149 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 277,700 | 631,450 | 414 | .167 |
| NOVEMBER | 216,900 | 236,060 | 155 | .080 |
| DECEMBER | 277,200 | 299,220 | 196 | .079 |
| JANUARY | 285,500 | 240,010 | 157 | .062 |
| FEBRUARY | 758,000 | 3,358,440 | 2,203 | .325 |
| MARCH | 181,400 | 49,240 | 32 | .199 |
| APRIL | 482,300 | 1,552,580 | 1,018 | .236 |
| MAY | 402,400 | 699,200 | 459 | .128 |
| JUNE | 662,700 | 1,729,860 | 1,135 | .192 |
| JULY | 169,300 | 166,900 | 109 | .072 |
| AUGUST | 209,900 | 131,350 | 86 | .046 |
| SEPTEMBER | 263,200 | 449,490 | 295 | .125 |
| SUMMARY | 4,186,000 | 9,543,800 | 6,259 | .167 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 39,400 | 1,720 | 1 | .003 |
| NOVEMBER | 34,430 | 3,040 | 2 | .006 |
| DECEMBER | 37,140 | 2,180 | 1 | .004 |
| JANUARY | 77,590 | 52,290 | 34 | .050 |
| FEBRUARY | 241,900 | 654,020 | 429 | .199 |
| MARCH | 486,100 | 2,418,840 | 1,587 | .366 |
| APRIL | 767,800 | 4,915,200 | 3,224 | .470 |
| MAY | 837,700 | 4,829,640 | 3,168 | .424 |
| JUNE | 490,600 | 1,262,810 | 828 | .189 |
| JULY | 215,300 | 298,590 | 196 | .102 |
| AUGUST | 62,080 | 5,620 | 4 | .007 |
| SEPTEMBER | 72,840 | 12,550 | 8 | .013 |
| SUMMARY | 3,363,000 | 14,456,500 | 9,482 | .316 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 149,100 | 39,970 | 26 | .020 |
| NOVEMBER | 54,070 | 3,710 | 2 | .005 |
| DECEMBER | 52,900 | 7,310 | 5 | .010 |
| JANUARY | 56,340 | 3,540 | 2 | .005 |
| FEBRUARY | 66,900 | 5,650 | 4 | .006 |
| MARCH | 61,220 | 29,000 | 19 | .035 |
| APRIL | 74,640 | 129,650 | 85 | .128 |
| MAY | 73,860 | 30,150 | 20 | .030 |
| JUNE | 248,000 | 778,600 | 511 | .231 |
| JULY | 59,300 | 8,800 | 6 | .011 |
| AUGUST | 51,910 | 5,650 | 4 | .008 |
| SEPTEMBER | 78,360 | 37,140 | 24 | .035 |
| SUMMARY | 1,027,000 | 1,079,170 | 708 | .077 |

EPAZOS RIVER WATERSHED

ROSENBERG-RICHMOND STATION ON THE EPAZOS RIVER - CONTINUED

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 48,610 | 7,470 | 5 | .011 |
| NOVEMBER | 35,070 | 3,230 | 2 | .007 |
| DECEMBER | 37,700 | 4,670 | 3 | .009 |
| JANUARY | 33,380 | 3,210 | 2 | .007 |
| FEBRUARY | 54,840 | 20,620 | 14 | .028 |
| MARCH | 79,170 | 40,540 | 27 | .036 |
| APRIL | 334,400 | 1,599,930 | 1,049 | .351 |
| MAY | 355,700 | 1,879,210 | 1,233 | .388 |
| JUNE | 212,900 | 545,060 | 358 | .188 |
| JULY | 56,160 | 14,730 | 10 | .019 |
| AUGUST | 36,930 | 5,090 | 3 | .010 |
| SEPTEMBER | 36,260 | 2,570 | 2 | .005 |
| SUMMARY | 1,321,000 | 4,126,930 | 2,708 | .229 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 212,000 | 646,410 | 424 | .224 |
| NOVEMBER | 199,500 | 306,180 | 201 | .113 |
| DECEMBER | 553,100 | 1,380,450 | 905 | .183 |
| JANUARY | 138,500 | 16,920 | 11 | .009 |
| FEBRUARY | 53,020 | 4,920 | 3 | .007 |
| MARCH | 27,390 | 4,840 | 3 | .013 |
| APRIL | 49,330 | 18,060 | 12 | .027 |
| MAY | 435,000 | 1,016,290 | 667 | .172 |
| JUNE | 171,800 | 93,160 | 61 | .040 |
| JULY | 53,270 | 9,990 | 7 | .014 |
| AUGUST | 56,940 | 34,640 | 23 | .045 |
| SEPTEMBER | 24,650 | 3,010 | 2 | .009 |
| SUMMARY | 1,974,000 | 3,534,870 | 2,319 | .132 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 12,470 | 1,370 | 1 | .006 |
| NOVEMBER | 24,780 | 3,820 | 3 | .011 |
| DECEMBER | 230,000 | 513,660 | 337 | .164 |
| JANUARY | 275,900 | 663,180 | 435 | .177 |
| FEBRUARY | 121,500 | 116,220 | 76 | .070 |
| MARCH | 245,800 | 403,500 | 265 | .121 |
| APRIL | 75,020 | 160,940 | 106 | .158 |
| MAY | 1,646,000 | 7,521,640 | 4,934 | .336 |
| JUNE | 113,800 | 38,730 | 27 | .025 |
| JULY | 61,120 | 5,260 | 3 | .006 |
| AUGUST | 49,240 | 4,690 | 3 | .007 |
| SEPTEMBER | 116,000 | 109,870 | 72 | .070 |
| SUMMARY | 2,972,000 | 9,542,880 | 6,260 | .236 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 36,700 | 4,623 | 3 | .009 |
| NOVEMBER | 51,550 | 13,366 | 9 | .019 |
| DECEMBER | 29,510 | 9,399 | 6 | .023 |
| JANUARY | 35,790 | 5,083 | 3 | .010 |
| FEBRUARY | 239,800 | 533,871 | 350 | .164 |
| MARCH | 58,940 | 13,466 | 9 | .017 |
| APRIL | 268,000 | 923,663 | 606 | .253 |
| MAY | 266,500 | 667,027 | 438 | .184 |
| JUNE | 349,900 | 557,340 | 366 | .117 |
| JULY | 104,600 | 32,408 | 21 | .023 |
| AUGUST | 74,530 | 20,408 | 13 | .020 |
| SEPTEMBER | 53,520 | 5,334 | 4 | .007 |
| SUMMARY | 1,569,000 | 2,785,990 | 1,828 | .130 |

BRAZOS RIVER WATERSHED

ROSENBERG-RICHMOND STATION ON THE BRAZOS RIVER - CONTINUED

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 670,200 | 1,433,161 | 940 | .157 |
| NOVEMBER | 66,630 | 5,733 | 4 | .006 |
| DECEMBER | 48,180 | 1,645 | 1 | .002 |
| JANUARY | 59,130 | 14,769 | 10 | .018 |
| FEBRUARY | 119,500 | 124,298 | 82 | .076 |
| MARCH | 64,780 | 16,191 | 11 | .018 |
| APRIL | 53,170 | 27,204 | 18 | .038 |
| MAY | 318,900 | 1,256,634 | 824 | .289 |
| JUNE | 46,790 | 4,848 | 3 | .008 |
| JULY | 44,080 | 2,876 | 2 | .005 |
| AUGUST | 39,130 | 1,623 | 1 | .003 |
| SEPTEMBER | 35,840 | 1,348 | 1 | .003 |
| SUMMARY | 1,566,000 | 2,890,330 | 1,897 | .136 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1,769,000 | 7,945,499 | 5,211 | .330 |
| NOVEMBER | 1,047,000 | 2,126,684 | 1,395 | .149 |
| DECEMBER | 504,100 | 386,106 | 253 | .056 |
| JANUARY | 585,800 | 524,391 | 344 | .066 |
| FEBRUARY | 813,900 | 4,466,847 | 2,930 | .403 |
| MARCH | 853,900 | 1,446,356 | 949 | .124 |
| APRIL | 356,200 | 492,125 | 323 | .101 |
| MAY | 1,564,000 | 6,065,224 | 3,978 | .285 |
| JUNE | 295,900 | 361,395 | 237 | .090 |
| JULY | 388,800 | 810,345 | 532 | .153 |
| AUGUST | 114,500 | 74,964 | 49 | .048 |
| SEPTEMBER | 297,200 | 752,719 | 494 | .186 |
| SUMMARY | 8,590,000 | 25,452,655 | 16,695 | .218 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 39,530 | 1,484 | 1 | .003 |
| NOVEMBER | 76,390 | 41,483 | 27 | .040 |
| DECEMBER | 62,780 | 15,545 | 10 | .018 |
| JANUARY | 42,000 | 5,815 | 4 | .010 |
| FEBRUARY | 50,790 | 2,072 | 1 | .003 |
| MARCH | 223,200 | 565,936 | 371 | .186 |
| APRIL | 1,075,000 | 7,148,170 | 4,688 | .488 |
| MAY | 4,747,000 | 19,422,379 | 12,739 | .301 |
| JUNE | 3,472,000 | 17,669,992 | 11,590 | .525 |
| JULY | 979,000 | 3,401,146 | 2,231 | .255 |
| AUGUST | 201,800 | 118,310 | 78 | .043 |
| SEPTEMBER | 98,530 | 54,687 | 36 | .041 |
| SUMMARY | 11,070,000 | 48,447,019 | 31,776 | .322 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 252,000 | 130,785 | 86 | .038 |
| NOVEMBER | 130,200 | 17,497 | 11 | .010 |
| DECEMBER | 104,300 | 2,809 | 2 | .002 |
| JANUARY | 86,780 | 2,937 | 2 | .002 |
| FEBRUARY | 322,500 | 532,500 | 349 | .121 |
| MARCH | 133,900 | 20,412 | 13 | .011 |
| APRIL | 864,600 | 2,307,471 | 1,513 | .196 |
| MAY | 525,300 | 1,071,665 | 703 | .150 |
| JUNE | 331,700 | 718,078 | 471 | .159 |
| JULY | 253,500 | 295,140 | 194 | .086 |
| AUGUST | 139,200 | 92,962 | 61 | .049 |
| SEPTEMBER | 77,870 | 6,222 | 4 | .006 |
| SUMMARY | 3,222,000 | 5,198,478 | 3,409 | .119 |

COLORADO RIVER WATERSHED

SAN SABA STATION ON THE COLORADO RIVER

Net Drainage Area: 18,700 sq. mi.

Location: U. S. Highway 190 bridge 9.2 miles east of San Saba

Records Available: September 11, 1930 to date

Comments: Prior to May 24, 1940 samples were taken about one half mile downstream from the Old Red Bluff bridge. Measures silt flowing into Buchanan Reservoir

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 94,100 | | | |
| NOVEMBER | 10,900 | | | |
| DECEMBER | 8,550 | | | |
| JANUARY | 7,500 | | | |
| FEBRUARY | 6,280 | | | |
| MARCH | 9,780 | | | |
| APRIL | 5,630 | | | |
| MAY | 406,000 | | | |
| JUNE | 233,000 | | | |
| JULY | 7,500 | | | |
| AUGUST | 13,600 | | | |
| SEPTEMBER ^{1/} | 24,000 | 143,140 | 94 | .438 |
| SUMMARY | 226,800 | | | |

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 205,000 | 1,433,500 | 940 | .514 |
| NOVEMBER | 38,300 | 241,350 | 158 | .463 |
| DECEMBER | 23,400 | 12,620 | 8 | .040 |
| JANUARY | 67,000 | 240,790 | 158 | .264 |
| FEBRUARY | 95,500 | 167,860 | 110 | .129 |
| MARCH | 37,500 | 31,270 | 21 | .061 |
| APRIL | 44,100 | 175,510 | 115 | .293 |
| MAY | 522,000 | 3,061,620 | 2,008 | .431 |
| JUNE | 188,000 | 754,120 | 495 | .295 |
| JULY | 482,000 | 1,441,150 | 945 | .220 |
| AUGUST | 50,100 | 127,660 | 84 | .187 |
| SEPTEMBER | 471,000 | 2,247,400 | 1,474 | .351 |
| SUMMARY | 2,220,000 | 9,934,850 | 6,516 | .329 |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 941,000 | 4,204,830 | 2,758 | .328 |
| NOVEMBER | 31,100 | 3,290 | 2 | .008 |
| DECEMBER | 75,000 | 343,220 | 225 | .336 |
| JANUARY | 36,900 | 17,470 | 11 | .035 |
| FEBRUARY | 74,400 | 59,560 | 39 | .059 |
| MARCH | 35,400 | 8,790 | 6 | .018 |
| APRIL | 18,600 | 3,000 | 2 | .012 |
| MAY | 34,100 | 46,550 | 31 | .100 |
| JUNE | 90,400 | 430,920 | 283 | .350 |
| JULY | 17,000 | 3,300 | 2 | .014 |
| AUGUST | 8,550 | 2,250 | 1 | .019 |
| SEPTEMBER | 11,300 | 13,340 | 9 | .087 |
| SUMMARY | 1,370,000 | 5,136,520 | 3,369 | .275 |

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 50,300 | 124,170 | 81 | .181 |
| NOVEMBER | 28,900 | 3,290 | 2 | .008 |
| DECEMBER | 45,000 | 49,520 | 32 | .081 |
| JANUARY | 46,200 | 52,030 | 34 | .083 |
| FEBRUARY | 19,400 | 1,720 | 1 | .007 |
| MARCH | 22,500 | 2,210 | 1 | .007 |
| APRIL | 22,800 | 7,130 | 5 | .023 |
| MAY | 172,000 | 879,120 | 577 | .375 |
| JUNE | 14,000 | 7,800 | 5 | .041 |
| JULY | 8,300 | 2,580 | 2 | .023 |
| AUGUST | 21,100 | 52,800 | 35 | .184 |
| SEPTEMBER | 24,800 | 121,250 | 80 | .359 |
| SUMMARY | 475,300 | 1,303,620 | 855 | .201 |

^{1/} Station was established September 11, 1930

COLORADO RIVER WATERSHED

SAN SABA STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 18,900 | 70,760 | 46 | .275 |
| NOVEMBER | 9,880 | 410 | | .003 |
| DECEMBER | 7,130 | 470 | | .005 |
| JANUARY | 12,600 | 2,730 | 2 | .016 |
| FEBRUARY | 13,800 | 5,690 | 4 | .030 |
| MARCH | 36,500 | 99,520 | 65 | .200 |
| APRIL | 257,000 | 1,674,200 | 1,098 | .479 |
| MAY | 36,500 | 137,760 | 90 | .277 |
| JUNE | 14,300 | 10,060 | 7 | .052 |
| JULY | 74,400 | 62,570 | 41 | .062 |
| AUGUST | 15,100 | 56,120 | 37 | .273 |
| SEPTEMBER | 8,270 | 1,260 | 1 | .011 |
| SUMMARY | 504,400 | 2,121,550 | 1,391 | .309 |

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 86,370 | 258,830 | 170 | .220 |
| NOVEMBER | 40,740 | 8,780 | 6 | .016 |
| DECEMBER | 32,700 | 530 | | .001 |
| JANUARY | 18,070 | 370 | | .002 |
| FEBRUARY | 11,550 | 380 | | .002 |
| MARCH | 19,180 | 5,520 | 4 | .021 |
| APRIL | 9,650 | 900 | 1 | .007 |
| MAY | 115,800 | 388,730 | 255 | .247 |
| JUNE | 41,780 | 45,430 | 30 | .080 |
| JULY | 66,850 | 165,370 | 108 | .182 |
| AUGUST | 8,710 | 680 | | .006 |
| SEPTEMBER | 1,748,000 | 6,645,030 | 4,359 | .279 |
| SUMMARY | 2,199,000 | 7,520,550 | 4,933 | .251 |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,700 | 100 | | .003 |
| NOVEMBER | 32,370 | 58,260 | 38 | .132 |
| DECEMBER | 6,500 | 580 | | .007 |
| JANUARY | 14,000 | 49,290 | 32 | .259 |
| FEBRUARY | 73,800 | 827,080 | 542 | .823 |
| MARCH | 12,030 | 2,980 | 2 | .018 |
| APRIL | 103,800 | 1,036,500 | 680 | .734 |
| MAY | 777,100 | 4,211,960 | 2,763 | .398 |
| JUNE | 651,200 | 4,151,960 | 2,723 | .468 |
| JULY | 145,100 | 1,033,890 | 678 | .523 |
| AUGUST | 58,690 | 99,060 | 65 | .124 |
| SEPTEMBER | 687,000 | 2,951,860 | 1,936 | .316 |
| SUMMARY | 2,564,000 | 14,423,520 | 9,459 | .413 |

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 523,800 | 1,476,090 | 968 | .207 |
| NOVEMBER | 90,760 | 15,910 | 10 | .013 |
| DECEMBER | 85,520 | 31,400 | 21 | .027 |
| JANUARY | 56,440 | 3,050 | 2 | .004 |
| FEBRUARY | 41,660 | 1,720 | 1 | .003 |
| MARCH | 40,980 | 3,950 | 3 | .007 |
| APRIL | 27,660 | 860 | 1 | .002 |
| MAY | 44,500 | 19,440 | 13 | .032 |
| JUNE | 216,500 | 941,210 | 617 | .319 |
| JULY | 21,150 | 2,890 | 2 | .010 |
| AUGUST | 30,790 | 187,760 | 123 | .448 |
| SEPTEMBER | 17,340 | 3,350 | 3 | .017 |
| SUMMARY | 1,197,000 | 2,688,230 | 1,764 | .165 |

COLORADO RIVER WATERSHED

SAN SABA STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 30,300 | 40,570 | 27 | .098 |
| NOVEMBER | 13,480 | 400 | | .002 |
| DECEMBER | 60,230 | 82,820 | 54 | .101 |
| JANUARY | 154,200 | 461,240 | 303 | .220 |
| FEBRUARY | 84,200 | 543,750 | 357 | .474 |
| MARCH | 33,430 | 12,760 | 8 | .028 |
| APRIL | 119,700 | 590,280 | 387 | .362 |
| MAY | 70,950 | 97,160 | 64 | .101 |
| JUNE | 121,800 | 785,820 | 515 | .474 |
| JULY | 1,981,000 | 6,199,750 | 4,066 | .230 |
| AUGUST | 103,100 | 107,650 | 71 | .077 |
| SEPTEMBER | 36,950 | 1,740 | 1 | .003 |
| SUMMARY | 2,809,000 | 8,923,940 | 5,853 | .233 |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 10,640 | 720 | | .005 |
| NOVEMBER | 11,460 | 280 | | .002 |
| DECEMBER | 11,710 | 380 | | .002 |
| JANUARY | 11,190 | 98 | | .001 |
| FEBRUARY | 21,190 | 7,470 | 5 | .026 |
| MARCH | 9,110 | 1,170 | 1 | .009 |
| APRIL | 94,120 | 585,250 | 384 | .457 |
| MAY | 90,560 | 491,790 | 323 | .399 |
| JUNE | 237,100 | 1,016,530 | 667 | .315 |
| JULY | 119,400 | 546,830 | 359 | .336 |
| AUGUST | 108,800 | 425,420 | 279 | .287 |
| SEPTEMBER | 48,410 | 115,870 | 76 | .176 |
| SUMMARY | 773,700 | 3,191,808 | 2,094 | .303 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 21,000 | 480 | | .002 |
| NOVEMBER | 18,590 | 190 | | .001 |
| DECEMBER | 18,980 | 150 | | .001 |
| JANUARY | 72,410 | 206,280 | 135 | .209 |
| FEBRUARY | 18,470 | 1,440 | 1 | .006 |
| MARCH | 24,900 | 13,820 | 9 | .041 |
| APRIL | 23,790 | 13,260 | 9 | .041 |
| MAY | 199,800 | 1,284,850 | 643 | .472 |
| JUNE | 248,100 | 1,409,840 | 925 | .417 |
| JULY | 62,920 | 413,840 | 271 | .483 |
| AUGUST | 93,390 | 362,870 | 238 | .285 |
| SEPTEMBER | 17,080 | 2,080 | 1 | .009 |
| SUMMARY | 819,400 | 3,709,100 | 2,232 | .333 |

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 13,770 | 6,290 | 4 | .034 |
| NOVEMBER | 63,560 | 208,320 | 137 | .241 |
| DECEMBER | 44,350 | 33,760 | 22 | .056 |
| JANUARY | 17,700 | 1,160 | 1 | .005 |
| FEBRUARY | 76,290 | 67,770 | 44 | .065 |
| MARCH | 117,200 | 421,550 | 276 | .264 |
| APRIL | 338,100 | 2,100,250 | 1,378 | .456 |
| MAY | 652,300 | 2,697,950 | 1,770 | .304 |
| JUNE | 463,400 | 2,503,330 | 1,642 | .397 |
| JULY | 125,900 | 246,440 | 162 | .144 |
| AUGUST | 62,800 | 267,330 | 175 | .313 |
| SEPTEMBER | 77,610 | 59,280 | 39 | .256 |
| SUMMARY | 2,053,000 | 8,613,430 | 5,650 | .308 |

COLORADO RIVER WATERSHED

SAN SABA STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 238,600 | 1,076,720 | 706 | .331 |
| NOVEMBER | 54,960 | 59,870 | 39 | .080 |
| DECEMBER | 43,070 | 4,380 | 3 | .007 |
| JANUARY | 29,190 | 2,820 | 2 | .007 |
| FEBRUARY | 20,140 | 2,230 | 1 | .008 |
| MARCH | 21,030 | 3,750 | 2 | .013 |
| APRIL | 179,400 | 671,640 | 441 | .275 |
| MAY | 277,700 | 851,250 | 558 | .225 |
| JUNE | 94,880 | 153,020 | 101 | .118 |
| JULY | 23,950 | 11,920 | 8 | .037 |
| AUGUST | 177,100 | 1,340,310 | 879 | .556 |
| SEPTEMBER | 125,900 | 393,230 | 258 | .229 |
| SUMMARY | 1,286,000 | 4,571,140 | 2,998 | .261 |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 25,060 | 76,830 | 50 | .225 |
| NOVEMBER | 7,340 | 3,330 | 2 | .033 |
| DECEMBER | 13,100 | 5,130 | 3 | .029 |
| JANUARY | 40,830 | 54,780 | 36 | .099 |
| FEBRUARY | 43,910 | 75,720 | 50 | .127 |
| MARCH | 39,910 | 44,290 | 29 | .082 |
| APRIL | 20,840 | 20,530 | 14 | .072 |
| MAY | 196,600 | 1,035,080 | 679 | .387 |
| JUNE | 48,250 | 71,170 | 47 | .106 |
| JULY | 55,630 | 413,320 | 271 | .546 |
| AUGUST | 24,980 | 23,910 | 16 | .070 |
| SEPTEMBER | 76,340 | 305,210 | 200 | .294 |
| SUMMARY | 592,800 | 2,129,300 | 1,397 | .264 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 168,100 | 283,820 | 186 | .124 |
| NOVEMBER | 44,020 | 23,740 | 16 | .040 |
| DECEMBER | 30,200 | 11,350 | 7 | .028 |
| JANUARY | 23,550 | 4,120 | 3 | .013 |
| FEBRUARY | 22,450 | 5,830 | 4 | .019 |
| MARCH | 19,690 | 7,300 | 5 | .027 |
| APRIL | 22,980 | 12,980 | 8 | .041 |
| MAY | 38,290 | 127,520 | 84 | .245 |
| JUNE | 57,480 | 98,190 | 64 | .125 |
| JULY | 13,970 | 8,450 | 6 | .044 |
| AUGUST | 3,290 | 1,580 | 1 | .035 |
| SEPTEMBER | 31,070 | 118,640 | 78 | .281 |
| SUMMARY | 475,100 | 703,520 | 462 | .109 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 73,160 | 277,710 | 182 | .279 |
| NOVEMBER | 17,000 | 8,600 | 6 | .037 |
| DECEMBER | 25,480 | 16,840 | 11 | .049 |
| JANUARY | 29,760 | 27,690 | 18 | .058 |
| FEBRUARY | 42,260 | 66,330 | 44 | .115 |
| MARCH | 58,890 | 106,800 | 70 | .133 |
| APRIL | 114,800 | 198,030 | 130 | .127 |
| MAY | 43,690 | 40,910 | 27 | .069 |
| JUNE | 49,450 | 117,330 | 77 | .174 |
| JULY | 373,200 | 1,756,440 | 1,152 | .346 |
| AUGUST | 32,530 | 31,640 | 21 | .071 |
| SEPTEMBER | 10,150 | 7,170 | 5 | .052 |
| SUMMARY | 870,400 | 2,655,490 | 1,743 | .224 |

COLORADO RIVER WATERSHED

SAN SABA STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 53,070 | 237,160 | 156 | .0328 |
| NOVEMBER | 11,400 | 6,070 | 4 | .039 |
| DECEMBER | 12,380 | 6,960 | 5 | .041 |
| JANUARY | 18,180 | 11,840 | 8 | .048 |
| FEBRUARY | 28,150 | 66,790 | 44 | .174 |
| MARCH | 13,580 | 9,020 | 6 | .049 |
| APRIL | 8,670 | 3,710 | 2 | .031 |
| MAY | 97,510 | 397,560 | 261 | .300 |
| JUNE | 30,340 | 18,200 | 12 | .044 |
| JULY | 7,600 | 2,530 | 2 | .025 |
| AUGUST | 5,210 | 4,950 | 3 | .070 |
| SEPTEMBER | 130,200 | 746,150 | 489 | .421 |
| SUMMARY | 416,300 | 1,511,040 | 992 | .267 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 36,770 | 416,290 | 273 | .832 |
| NOVEMBER | 10,480 | 8,310 | 3 | .058 |
| DECEMBER | 38,210 | 139,850 | 92 | .269 |
| JANUARY | 7,630 | 380 | | .004 |
| FEBRUARY | 15,550 | 56,050 | 37 | .264 |
| MARCH | 25,340 | 93,600 | 61 | .271 |
| APRIL | 15,250 | 10,000 | 7 | .048 |
| MAY | 64,680 | 303,600 | 199 | .345 |
| JUNE | 49,300 | 269,970 | 177 | .402 |
| JULY | 273,900 | 1,865,240 | 1,223 | .500 |
| AUGUST | 34,380 | 111,330 | 73 | .238 |
| SEPTEMBER | 32,670 | 114,960 | 75 | .258 |
| SUMMARY | 604,200 | 3,389,580 | 2,222 | .412 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 52,710 | 261,020 | 171 | .364 |
| NOVEMBER | 23,540 | 115,390 | 76 | .360 |
| DECEMBER | 36,920 | 171,520 | 112 | .341 |
| JANUARY | 23,380 | 3,540 | 2 | .011 |
| FEBRUARY | 17,670 | 2,390 | 2 | .010 |
| MARCH | 24,530 | 22,560 | 15 | .068 |
| APRIL | 23,260 | 15,260 | 10 | .047 |
| MAY | 256,800 | 1,912,290 | 1,254 | .546 |
| JUNE | 34,640 | 64,770 | 42 | .137 |
| JULY | 12,280 | 17,450 | 11 | .104 |
| AUGUST | 2,930 | 340 | | .009 |
| SEPTEMBER | 8,880 | 1,620 | 1 | .013 |
| SUMMARY | 517,500 | 2,588,150 | 1,696 | .367 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 15,530 | 1,200 | 1 | .006 |
| NOVEMBER | 6,230 | 370 | | .004 |
| DECEMBER | 5,950 | 210 | | .003 |
| JANUARY | 13,220 | 2,060 | 1 | .011 |
| FEBRUARY | 19,790 | 13,790 | 9 | .051 |
| MARCH | 86,590 | 529,330 | 347 | .449 |
| APRIL | 345,000 | 1,943,220 | 1,275 | .414 |
| MAY | 307,800 | 1,692,670 | 1,110 | .404 |
| JUNE | 89,000 | 394,140 | 259 | .325 |
| JULY | 17,380 | 2,230 | 1 | .009 |
| AUGUST | 17,980 | 47,840 | 31 | .195 |
| SEPTEMBER | 22,930 | 14,360 | 9 | .046 |
| SUMMARY | 947,400 | 4,641,420 | 3,043 | .360 |

COLORADO RIVER WATERSHED

SAN SABA STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 48,970 | 224,460 | 147 | .0337 |
| NOVEMBER | 16,790 | 2,300 | 2 | .010 |
| DECEMBER | 8,140 | 1,900 | 1 | .017 |
| JANUARY | 11,160 | 2,130 | 1 | .014 |
| FEBRUARY | 24,000 | 23,850 | 16 | .073 |
| MARCH | 5,290 | 740 | | .010 |
| APRIL | 35,410 | 88,060 | 58 | .103 |
| MAY | 81,090 | 741,370 | 486 | .672 |
| JUNE | 25,920 | 41,430 | 27 | .117 |
| JULY | 25,280 | 37,980 | 25 | .110 |
| AUGUST | 14,280 | 2,260 | 1 | .012 |
| SEPTEMBER | 71,100 | 542,760 | 356 | .561 |
| SUMMARY | 367,400 | 1,709,240 | 1,120 | .342 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,810 | 260 | | .011 |
| NOVEMBER | 2,340 | 180 | | .006 |
| DECEMBER | 2,510 | 170 | | .005 |
| JANUARY | 2,880 | 230 | | .006 |
| FEBRUARY | 2,330 | 130 | | .004 |
| MARCH | 1,500 | 180 | | .009 |
| APRIL | 40,230 | 292,950 | 192 | .535 |
| MAY | 149,400 | 884,520 | 580 | .435 |
| JUNE | 30,090 | 88,050 | 58 | .215 |
| JULY | 785 | 80 | | .008 |
| AUGUST | 165 | 10 | | .005 |
| SEPTEMBER | 238,400 | 667,930 | 438 | .206 |
| SUMMARY | 472,400 | 1,934,690 | 1,268 | .301 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 8,090 | 1,030 | 1 | .009 |
| NOVEMBER | 3,110 | 250 | | .006 |
| DECEMBER | 3,590 | 190 | | .004 |
| JANUARY | 3,900 | 270 | | .005 |
| FEBRUARY | 4,640 | 360 | | .006 |
| MARCH | 4,140 | 280 | | .005 |
| APRIL | 6,670 | 1,310 | 1 | .014 |
| MAY | 118,200 | 1,014,400 | 665 | .630 |
| JUNE | 219,500 | 833,650 | 547 | .279 |
| JULY | 14,800 | 20,670 | 14 | .103 |
| AUGUST | 30,290 | 255,710 | 168 | .620 |
| SEPTEMBER | 6,530 | 1,370 | 1 | .015 |
| SUMMARY | 423,500 | 2,129,490 | 1,397 | .369 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,560 | 660 | | .007 |
| NOVEMBER | 23,930 | 72,880 | 48 | .224 |
| DECEMBER | 20,160 | 10,000 | 7 | .037 |
| JANUARY | 12,010 | 2,910 | 2 | .018 |
| FEBRUARY | 4,560 | 390 | | .006 |
| MARCH | 62,790 | 270,140 | 177 | .316 |
| APRIL | 16,740 | 42,880 | 28 | .188 |
| MAY | 85,620 | 402,460 | 264 | .345 |
| JUNE | 2,660 | 380 | | .010 |
| JULY | 21,550 | 7,190 | 5 | .024 |
| AUGUST | 108,200 | 560,710 | 368 | .381 |
| SEPTEMBER | 14,930 | 7,540 | 5 | .037 |
| SUMMARY | 379,700 | 1,378,140 | 904 | .267 |

COLORADO RIVER WATERSHED

SAN SABA STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 149,200 | 509,940 | 334 | .251 |
| NOVEMBER | 11,590 | 6,520 | 4 | .041 |
| DECEMBER | 4,450 | 160 | | .003 |
| JANUARY | 4,370 | 370 | | .006 |
| FEBRUARY | 2,690 | 210 | | .006 |
| MARCH | 3,990 | 480 | | .009 |
| APRIL | 155,500 | 851,460 | 558 | .402 |
| MAY | 273,400 | 1,612,460 | 1,058 | .433 |
| JUNE | 35,880 | 117,960 | 77 | .242 |
| JULY | 12,630 | 7,530 | 5 | .044 |
| AUGUST | 1,350 | 680 | | .037 |
| SEPTEMBER | 711 | 20 | | .002 |
| SUMMARY | 655,800 | 3,107,790 | 2,036 | .348 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 49,260 | 181,121 | 119 | .270 |
| NOVEMBER | 3,360 | 91 | | .002 |
| DECEMBER | 3,330 | 91 | | .002 |
| JANUARY | 3,660 | 100 | | .002 |
| FEBRUARY | 8,360 | 2,713 | 2 | .024 |
| MARCH | 2,280 | 93 | | .003 |
| APRIL | 13,480 | 136,698 | 90 | .745 |
| MAY | 452,300 | 2,223,373 | 1,458 | .361 |
| JUNE | 6,220 | 717 | | .008 |
| JULY | 3,060 | 197 | | .005 |
| AUGUST | 12,090 | 17,132 | 11 | .104 |
| SEPTEMBER | 2,650 | 758 | | .021 |
| SUMMARY | 560,000 | 2,563,084 | 1,680 | .336 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 7,430 | 8,977 | 6 | .089 |
| NOVEMBER | 17,450 | 138,795 | 91 | .584 |
| DECEMBER | 1,950 | 53 | | .002 |
| JANUARY | 2,550 | 98 | | .003 |
| FEBRUARY | 12,140 | 11,981 | 8 | .072 |
| MARCH | 2,360 | 146 | | .005 |
| APRIL | 3,330 | 15,385 | 10 | .136 |
| MAY | 497,800 | 3,309,556 | 2,171 | .488 |
| JUNE | 266,800 | 1,365,880 | 896 | .376 |
| JULY | 173,000 | 745,330 | 489 | .317 |
| AUGUST | 35,230 | 24,372 | 16 | .051 |
| SEPTEMBER | 170,200 | 631,982 | 414 | .263 |
| SUMMARY | 1,201,000 | 6,253,155 | 4,101 | .382 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 64,640 | 339,536 | 223 | .386 |
| NOVEMBER | 14,630 | 19,642 | 13 | .099 |
| DECEMBER | 10,510 | 12,783 | 8 | .089 |
| JANUARY | 3,300 | 105 | | .002 |
| FEBRUARY | 7,410 | 403 | | .004 |
| MARCH | 41,190 | 291,817 | 191 | .520 |
| APRIL | 411,000 | 1,971,090 | 1,293 | .352 |
| MAY | 1,452,000 | 4,754,696 | 3,119 | .241 |
| JUNE | 347,000 | 1,215,457 | 797 | .257 |
| JULY | 19,800 | 1,649 | 1 | .006 |
| AUGUST | 9,240 | 822 | 1 | .007 |
| SEPTEMBER | 46,490 | 142,955 | 94 | .226 |
| SUMMARY | 2,428,000 | 8,750,355 | 5,740 | .265 |

COLORADO RIVER WATERSHED

SAN SABA STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 481,900 | 1,232,488 | 808 | .188 | OCTOBER | 16,280 | 7,368 | 5 | .033 |
| NOVEMBER | 84,540 | 111,050 | 73 | .096 | NOVEMBER | 12,100 | 720 | | .004 |
| DECEMBER | 34,440 | 4,257 | 3 | .009 | DECEMBER | 10,380 | 254 | | .002 |
| JANUARY | 31,890 | 10,044 | 7 | .023 | JANUARY | 9,400 | 154 | | .001 |
| FEBRUARY | 80,220 | 161,584 | 106 | .148 | FEBRUARY | 6,840 | 154 | | .002 |
| MARCH | 84,460 | 89,680 | 59 | .078 | MARCH | 5,680 | 232 | | .003 |
| APRIL | 34,940 | 10,183 | 7 | .021 | APRIL | 5,380 | 199 | | .003 |
| MAY | 101,700 | 138,891 | 91 | .100 | MAY | 16,860 | 16,024 | 11 | .070 |
| JUNE | 97,700 | 151,954 | 100 | .114 | JUNE | 155,400 | 465,521 | 305 | .220 |
| JULY | 21,720 | 1,749 | 1 | .006 | JULY | 171,600 | 232,454 | 152 | .100 |
| AUGUST | 11,660 | 2,072 | 1 | .013 | AUGUST | 11,440 | 1,577 | 1 | .010 |
| SEPTEMBER | 23,290 | 15,255 | 10 | .048 | SEPTEMBER | 7,710 | 9,027 | 6 | .086 |
| SUMMARY | 1,088,000 | 1,929,207 | 1,266 | .130 | SUMMARY | 429,100 | 733,684 | 480 | .125 |

COLORADO RIVER WATERSHED

TOW STATION ON THE COLORADO RIVER

Net Drainage Area: 19,200 (previously published as 19,300) sq. mi.

Location: Highway bridge 1.25 miles northeast of Tow

Records Available: October 3, 1927 to November 30, 1932

Comments: Records used in Buchanan Reservoir studies; station was submerged by Buchanan Reservoir

WATER YEAR 1928

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER 1/ | 189,000 | 804,380 | 528 | .313 |
| NOVEMBER | 15,400 | 640 | | .003 |
| DECEMBER | 13,800 | 490 | | .003 |
| JANUARY | 11,400 | 330 | | .002 |
| FEBRUARY | 15,900 | 1,540 | 1 | .007 |
| MARCH | 12,000 | 830 | 1 | .005 |
| APRIL | 21,100 | 9,410 | 6 | .033 |
| MAY | 248,000 | 1,855,970 | 1,217 | .550 |
| JUNE | 159,000 | 870,560 | 571 | .402 |
| JULY | 173,000 | 1,087,460 | 713 | .462 |
| AUGUST | 133,000 | 433,350 | 284 | .239 |
| SEPTEMBER | 70,200 | 155,430 | 102 | .163 |
| SUMMARY | 1,062,000 | 5,220,390 | 3,423 | .361 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 94,100 | 470,170 | 308 | .367 |
| NOVEMBER | 10,900 | 1,320 | 1 | .009 |
| DECEMBER | 8,550 | 430 | | .004 |
| JANUARY | 7,500 | 250 | | .002 |
| FEBRUARY | 6,280 | 580 | | .007 |
| MARCH | 9,780 | 1,080 | 1 | .008 |
| APRIL | 5,630 | 220 | | .003 |
| MAY | 406,000 | 2,290,470 | 1,502 | .414 |
| JUNE | 233,000 | 1,285,130 | 843 | .403 |
| JULY | 7,500 | 13 | | |
| AUGUST | 13,600 | 1,070 | 1 | .006 |
| SEPTEMBER | 28,300 | 102,990 | 68 | .267 |
| SUMMARY | 831,100 | 4,153,723 | 2,724 | .367 |

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 19,100 | 3,760 | 2 | .014 |
| NOVEMBER | 16,400 | 2,360 | 2 | .011 |
| DECEMBER | 16,900 | 3,000 | 2 | .013 |
| JANUARY | 15,200 | 2,620 | 2 | .013 |
| FEBRUARY | 10,100 | 670 | | .005 |
| MARCH | 35,600 | 14,550 | 10 | .030 |
| APRIL | 61,300 | 124,860 | 82 | .150 |
| MAY | 322,000 | 2,445,390 | 1,604 | .558 |
| JUNE | 66,000 | 148,830 | 98 | .166 |
| JULY | 22,500 | 4,010 | 3 | .013 |
| AUGUST | 4,720 | 56 | | .001 |
| SEPTEMBER | 111,000 | 671,770 | 441 | .445 |
| SUMMARY | 700,800 | 3,422,076 | 2,246 | .359 |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 916,000 | 3,495,620 | 2,293 | .280 |
| NOVEMBER | 34,800 | 3,050 | 2 | .006 |
| DECEMBER | 95,300 | 275,600 | 181 | .212 |
| JANUARY | 43,700 | 14,730 | 10 | .025 |
| FEBRUARY | 88,300 | 43,130 | 28 | .036 |
| MARCH | 48,000 | 5,570 | 4 | .009 |
| APRIL | 22,100 | 910 | 1 | .003 |
| MAY | 41,600 | 21,470 | 14 | .038 |
| JUNE | 98,800 | 326,500 | 214 | .243 |
| JULY | 20,000 | 4,510 | 3 | .017 |
| AUGUST | 10,600 | 810 | 1 | .006 |
| SEPTEMBER | 13,600 | 3,990 | 3 | .022 |
| SUMMARY | 1,433,000 | 4,195,890 | 2,754 | .215 |

1/ Station was established October 3, 1927

COLORADO RIVER WATERSHED

TOW STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 204,000 | 1,345,420 | 882 | .484 |
| NOVEMBER | 39,800 | 75,980 | 50 | .140 |
| DECEMBER | 23,400 | 14,340 | 9 | .045 |
| JANUARY | 70,700 | 220,990 | 145 | .230 |
| FEBRUARY | 106,000 | 196,550 | 129 | .136 |
| MARCH | 52,000 | 30,160 | 20 | .043 |
| APRIL | 48,900 | 155,200 | 102 | .233 |
| MAY | 556,000 | 3,261,950 | 2,140 | .431 |
| JUNE | 201,000 | 591,340 | 388 | .216 |
| JULY | 490,000 | 1,424,390 | 934 | .214 |
| AUGUST | 52,500 | 58,600 | 38 | .082 |
| SEPTEMBER | 474,000 | 2,020,340 | 1,325 | .311 |
| SUMMARY | 2,322,000 | 9,396,260 | 6,162 | .297 |

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 54,200 | 51,920 | 34 | .070 |
| NOVEMBER ^{1/} | 31,000 | 2,200 | 1 | .005 |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

^{1/} Station was discontinued November 30, 1932

COLORADO RIVER WATERSHED

BUCHANAN DAM STATION ON THE COLORADO RIVER

Net Drainage Area: 19,350 sq. mi.

Location: Powerhouse at Buchanan Dam, 10 miles west of Burdet

Records Available: October 1, 1947 to date

Comments: Measures silt discharged into Inks Reservoir and out of Buchanan Reservoir; discharge records furnished by the Lower Colorado River Authority

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER 1/ | 65,460 | 8,080 | 5 | .009 |
| NOVEMBER | 59,110 | 4,570 | 3 | .006 |
| DECEMBER | 45,840 | 1,710 | 1 | .003 |
| JANUARY | 35,640 | 1,020 | 1 | .002 |
| FEBRUARY | 51,340 | 3,740 | 2 | .005 |
| MARCH | 47,000 | 2,680 | 2 | .004 |
| APRIL | 42,970 | 3,130 | 2 | .005 |
| MAY | 29,350 | 1,700 | 1 | .004 |
| JUNE | 43,540 | 6,160 | 4 | .010 |
| JULY | 54,380 | 8,290 | 5 | .011 |
| AUGUST | 54,940 | 4,180 | 3 | .006 |
| SEPTEMBER | 46,870 | 1,270 | 1 | .002 |
| SUMMARY | 576,400 | 46,530 | 30 | .006 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 38,070 | 2,590 | 2 | .005 |
| NOVEMBER | 42,600 | 2,500 | 2 | .004 |
| DECEMBER | 51,200 ? | | | |
| JANUARY | 438 ? | | | |
| FEBRUARY | | | | |
| MARCH | 27,620 | 1,640 | 1 | .004 |
| APRIL | 31,550 | 2,540 | 2 | .006 |
| MAY | 30,100 | 2,540 | 2 | .006 |
| JUNE | 47,620 | 1,400 | 1 | .002 |
| JULY | 29,220 | 1,310 | 1 | .003 |
| AUGUST | 44,020 | 1,570 | 1 | .003 |
| SEPTEMBER | 28,540 | 820 | 1 | .002 |
| SUMMARY | 325,100 | 16,910 | 13 | .004 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 24,900 | 1,000 | 1 | .003 |
| NOVEMBER | 18,240 | 530 | | .002 |
| DECEMBER | 37,000 | 2,000 | 1 | .004 |
| JANUARY | 32,040 | 2,600 | 2 | .006 |
| FEBRUARY | 24,880 | 1,050 | 1 | .003 |
| MARCH | 1,150 | 120 | | .007 |
| APRIL | 19,160 | 2,680 | 2 | .001 |
| MAY | 129,850 | 5,700 | 4 | .003 |
| JUNE | 84,050 | 4,530 | 3 | .004 |
| JULY | 71,570 | 4,720 | 3 | .005 |
| AUGUST | 54,230 | 6,190 | 4 | .008 |
| SEPTEMBER | 66,660 | 4,180 | 3 | .005 |
| SUMMARY | 563,700 | 35,300 | 24 | .005 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 8,120 | 300 | | .003 |
| NOVEMBER | 23,080 | 690 | | .002 |
| DECEMBER | 9,470 | 260 | | .002 |
| JANUARY | 4,230 | 120 | | .002 |
| FEBRUARY | 25,910 | 1,020 | 1 | .003 |
| MARCH | 6,840 | 210 | | .002 |
| APRIL | 23,890 | 1,050 | 1 | .003 |
| MAY | 88,450 | 4,390 | 3 | .004 |
| JUNE | 113,790 | 6,830 | 4 | .004 |
| JULY | 99,000 | 6,420 | 4 | .005 |
| AUGUST | 134,520 | 7,230 | 5 | .004 |
| SEPTEMBER | 80,810 | 2,910 | 2 | .003 |
| SUMMARY | 618,100 | 31,430 | 20 | .004 |

1/ Station was established October 1, 1947

COLORADO RIVER WATERSHED

SUCRANAN DAM STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 33,440 | 1,450 | 1 | .003 |
| NOVEMBER | 20,320 | 930 | 1 | .003 |
| DECEMBER | 9,790 | 530 | | .004 |
| JANUARY | 15,270 | 830 | 1 | .004 |
| FEBRUARY | 24,050 | 650 | | .002 |
| MARCH | 4,410 | 120 | | .002 |
| APRIL | 6,540 | 180 | | .002 |
| MAY | 23,440 | 950 | 1 | .003 |
| JUNE | 54,070 | 1,660 | 1 | .002 |
| JULY | 99,260 | 2,960 | 2 | .002 |
| AUGUST | 96,950 | 4,010 | 3 | .003 |
| SEPTEMBER | 17,850 | 480 | | .002 |
| SUMMARY | 405,400 | 14,790 | 10 | .003 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 39,580 | 1,080 | 1 | .002 |
| NOVEMBER | 17,520 | 480 | | .002 |
| DECEMBER | 20,450 | 560 | | .002 |
| JANUARY | 27,630 | 750 | | .002 |
| FEBRUARY | 10,840 | 300 | | .002 |
| MARCH | 13,760 | 370 | | .002 |
| APRIL | 17,980 | 570 | | .002 |
| MAY | 182,560 | 10,710 | 7 | .004 |
| JUNE | 91,310 | 6,480 | 4 | .005 |
| JULY | 70,370 | 7,590 | 5 | .008 |
| AUGUST | 27,620 | 5,130 | 3 | .014 |
| SEPTEMBER | 20,660 | 780 | 1 | .003 |
| SUMMARY | 540,300 | 34,800 | 21 | .005 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 16,800 | 540 | | .002 |
| NOVEMBER | 22,800 | 810 | 1 | .003 |
| DECEMBER | 21,420 | 600 | | .002 |
| JANUARY | 28,530 | 780 | 1 | .002 |
| FEBRUARY | 30,780 | 840 | 1 | .002 |
| MARCH | 11,780 | 320 | | .002 |
| APRIL | 15,390 | 420 | | .002 |
| MAY | 12,640 | 340 | | .002 |
| JUNE | 40,750 | 1,110 | 1 | .002 |
| JULY | 12,470 | 350 | | .002 |
| AUGUST | 21,340 | 580 | | .002 |
| SEPTEMBER | 51,260 | 1,390 | 1 | .002 |
| SUMMARY | 286,000 | 8,080 | 5 | .002 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 26,000 | 707 | | .002 |
| NOVEMBER | 13,740 | 374 | | .002 |
| DECEMBER | 15,130 | 412 | | .002 |
| JANUARY | 30,210 | 2,804 | 2 | .007 |
| FEBRUARY | 8,900 | 242 | | .002 |
| MARCH | 16,100 | 944 | 1 | .004 |
| APRIL | 25,840 | 700 | | .002 |
| MAY | 261,600 | 10,588 | 7 | .003 |
| JUNE | 302,800 | 12,354 | 8 | .003 |
| JULY | 153,400 | 5,674 | 4 | .003 |
| AUGUST | 99,890 | 4,076 | 3 | .003 |
| SEPTEMBER | 54,120 | 1,946 | 1 | .003 |
| SUMMARY | 1,008,000 | 40,821 | 26 | .003 |

COLORADO RIVER WATERSHED

BUCHANAN DAM STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 102,200 | 2,780 | 2 | .002 |
| NOVEMBER | 52,000 | 1,414 | 1 | .002 |
| DECEMBER | 26,390 | 718 | | .002 |
| JANUARY | 32,260 | 877 | 1 | .002 |
| FEBRUARY | 10,570 | 287 | | .002 |
| MARCH | 9,800 | 267 | | .002 |
| APRIL | 18,390 | 514 | | .002 |
| MAY | 157,400 | 11,726 | 8 | .005 |
| JUNE | 66,840 | 1,818 | 1 | .002 |
| JULY | 28,390 | 772 | 1 | .002 |
| AUGUST | 25,100 | 683 | | .002 |
| SEPTEMBER | 38,100 | 1,036 | 1 | .002 |
| SUMMARY | 567,900 | 22,892 | 15 | .003 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 136,400 | 18,431 | 12 | .010 |
| NOVEMBER | 100,900 | 12,823 | 8 | .009 |
| DECEMBER | 71,370 | 8,064 | 5 | .008 |
| JANUARY | 55,850 | 9,280 | 6 | .007 |
| FEBRUARY | 67,350 | 4,943 | 3 | .005 |
| MARCH | 81,420 | 5,958 | 4 | .005 |
| APRIL | 76,890 | 5,780 | 4 | .005 |
| MAY | 99,270 | 7,483 | 5 | .006 |
| JUNE | 88,860 | 2,578 | 2 | .002 |
| JULY | 97,920 | 1,599 | 1 | .001 |
| AUGUST | 31,830 | 752 | | .002 |
| SEPTEMBER | 20,960 | 354 | | .001 |
| SUMMARY | 969,000 | 78,145 | 50 | .006 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 21,500 | 535 | | .002 |
| NOVEMBER | 11,900 | 324 | | .002 |
| DECEMBER | 23,220 | 632 | | .002 |
| JANUARY | 29,910 | 813 | 1 | .002 |
| FEBRUARY | 36,640 | 1,051 | 1 | .002 |
| MARCH | 17,290 | 470 | | .002 |
| APRIL | 267,700 | 11,099 | 7 | .003 |
| MAY | 1,497,000 | 84,273 | 55 | .004 |
| JUNE | 375,800 | 17,542 | 12 | .003 |
| JULY | 55,530 | 2,558 | 2 | .003 |
| AUGUST | 109,900 | 4,484 | 3 | .003 |
| SEPTEMBER | 36,840 | 1,002 | 1 | .002 |
| SUMMARY | 2,485,000 | 124,833 | 82 | .004 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,370 | 101 | | .001 |
| NOVEMBER | 21,320 | 358 | | .001 |
| DECEMBER | 47,590 | 501 | | .001 |
| JANUARY | 36,850 | 574 | | .001 |
| FEBRUARY | 3,530 | 65 | | .001 |
| MARCH | 7,370 | 115 | | .001 |
| APRIL | 11,780 | 206 | | .001 |
| MAY | 15,450 | 316 | | .002 |
| JUNE | 22,380 | 329 | | .001 |
| JULY | 152,200 | 2,422 | 2 | .001 |
| AUGUST | 102,500 | 1,436 | 1 | .001 |
| SEPTEMBER | 29,510 | 405 | | .001 |
| SUMMARY | 457,000 | 6,828 | 3 | .001 |

COLORADO RIVER WATERSHED

LIANO STATION ON THE LIANO RIVER

Net Drainage Area: 4,233 (Previously published as 4,000) sq. mi.
 Location: 0.4 miles downstream from bridge on State Highway 16
 Records Available: August 1, 1942 to date
 Comments: Useful in measuring the silt flow into Granite Shoals Reservoir

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 47,660 | | | |
| NOVEMBER | 13,220 | | | |
| DECEMBER | 10,850 | | | |
| JANUARY | 9,020 | | | |
| FEBRUARY | 7,240 | | | |
| MARCH | 6,520 | | | |
| APRIL | 40,520 | | | |
| MAY | 25,060 | | | |
| JUNE | 11,930 | | | |
| JULY | 3,770 | | | |
| AUGUST 1/ SEPTEMBER | 32,550 | 236,780 | 156 | .534 |
| | 33,440 | 15,920 | 10 | .035 |
| SUMMARY | 241,800 | | | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 9,880 | 3,740 | 2 | .028 |
| NOVEMBER | 7,270 | 1,610 | 1 | .016 |
| DECEMBER | 10,060 | 1,060 | 1 | .008 |
| JANUARY | 21,260 | 6,770 | 4 | .023 |
| FEBRUARY | 20,920 | 9,100 | 6 | .032 |
| MARCH | 19,450 | 9,170 | 6 | .035 |
| APRIL | 10,440 | 5,490 | 4 | .039 |
| MAY | 53,010 | 50,700 | 33 | .070 |
| JUNE | 20,070 | 18,060 | 12 | .066 |
| JULY | 3,950 | 2,150 | 1 | .040 |
| AUGUST | 6,060 | 3,880 | 3 | .047 |
| SEPTEMBER | 13,700 | 8,720 | 6 | .047 |
| SUMMARY | 196,100 | 120,450 | 79 | .045 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 36,620 | 29,110 | 19 | .058 |
| NOVEMBER | 30,270 | 62,330 | 41 | .151 |
| DECEMBER | 12,300 | 1,270 | 1 | .008 |
| JANUARY | 10,220 | 600 | | .004 |
| FEBRUARY | 7,300 | 850 | 1 | .009 |
| MARCH | 8,960 | 2,260 | 2 | .019 |
| APRIL | 8,200 | 2,950 | 2 | .026 |
| MAY | 7,500 | 2,310 | 2 | .023 |
| JUNE | 80,850 | 251,680 | 165 | .229 |
| JULY | 19,540 | 21,310 | 14 | .080 |
| AUGUST | 3,520 | 1,380 | 1 | .029 |
| SEPTEMBER | 10,190 | 5,510 | 4 | .040 |
| SUMMARY | 235,500 | 381,560 | 252 | .119 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 9,120 | 5,370 | 4 | .043 |
| NOVEMBER | 7,400 | 2,060 | 1 | .020 |
| DECEMBER | 11,710 | 3,180 | 2 | .020 |
| JANUARY | 28,080 | 16,100 | 11 | .042 |
| FEBRUARY | 28,110 | 17,660 | 12 | .046 |
| MARCH | 21,180 | 10,270 | 7 | .036 |
| APRIL | 29,520 | 22,230 | 15 | .055 |
| MAY | 8,700 | 5,190 | 3 | .044 |
| JUNE | 5,140 | 3,130 | 2 | .045 |
| JULY | 2,710 | 1,580 | 1 | .043 |
| AUGUST | 2,670 | 1,700 | 1 | .047 |
| SEPTEMBER | 2,580 | 1,650 | 1 | .047 |
| SUMMARY | 156,900 | 90,120 | 60 | .042 |

1/ Station was established August 1, 1942

COLORADO RIVER WATERSHED

LIANO STATION ON THE LIANO RIVER - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 8,310 | 5,720 | 4 | .051 |
| NOVEMBER | 4,100 | 1,710 | 1 | .031 |
| DECEMBER | 5,010 | 1,280 | 1 | .019 |
| JANUARY | 8,580 | 3,580 | 2 | .031 |
| FEBRUARY | 10,580 | 7,940 | 5 | .055 |
| MARCH | 5,920 | 1,330 | 1 | .016 |
| APRIL | 32,660 | 95,550 | 63 | .215 |
| MAY | 45,050 | 126,990 | 83 | .207 |
| JUNE | 8,440 | 2,700 | 2 | .024 |
| JULY | 1,570 | 220 | | .010 |
| AUGUST | 469 | 70 | | .011 |
| SEPTEMBER | 12,050 | 2,650 | 2 | .016 |
| SUMMARY | 142,700 | 249,740 | 164 | .129 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1,820 | 160 | | .006 |
| NOVEMBER | 3,380 | 110 | | .002 |
| DECEMBER | 4,670 | 160 | | .003 |
| JANUARY | 4,530 | 210 | | .003 |
| FEBRUARY | 7,140 | 610 | | .006 |
| MARCH | 4,870 | 250 | | .004 |
| APRIL | 6,310 | 1,720 | 1 | .020 |
| MAY | 13,280 | 26,170 | 17 | .145 |
| JUNE | 181,890 | 1,374,580 | 902 | .555 |
| JULY | 76,980 | 63,570 | 42 | .061 |
| AUGUST | 8,870 | 970 | 1 | .008 |
| SEPTEMBER | 13,680 | 2,890 | 2 | .016 |
| SUMMARY | 327,500 | 1,471,400 | 965 | .330 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 12,300 | 1,530 | 1 | .009 |
| NOVEMBER | 6,260 | 650 | | .008 |
| DECEMBER | 5,490 | 440 | | .006 |
| JANUARY | 41,730 | 13,790 | 9 | .024 |
| FEBRUARY | 13,260 | 1,180 | 1 | .008 |
| MARCH | 18,830 | 3,300 | 2 | .013 |
| APRIL | 10,270 | 1,010 | 1 | .007 |
| MAY | 14,560 | 2,970 | 2 | .015 |
| JUNE | 14,360 | 3,000 | 2 | .015 |
| JULY | 3,640 | 340 | | .007 |
| AUGUST | 2,170 | 280 | | .009 |
| SEPTEMBER | 1,680 | 260 | | .011 |
| SUMMARY | 141,600 | 28,750 | 18 | .015 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 5,920 | 310 | | .004 |
| NOVEMBER | 5,280 | 200 | | .003 |
| DECEMBER | 5,610 | 270 | | .004 |
| JANUARY | 7,280 | 470 | | .005 |
| FEBRUARY | 36,280 | 38,470 | 25 | .078 |
| MARCH | 18,530 | 1,610 | 1 | .006 |
| APRIL | 40,000 | 28,570 | 19 | .052 |
| MAY | 21,550 | 5,750 | 4 | .020 |
| JUNE | 15,740 | 2,120 | 1 | .010 |
| JULY | 9,940 | 690 | | .005 |
| AUGUST | 9,810 | 990 | 1 | .007 |
| SEPTEMBER | 11,660 | 2,810 | 2 | .018 |
| SUMMARY | 187,600 | 82,260 | 53 | .032 |

COLORADO RIVER WATERSHED

LLANO STATION ON THE LLANO RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 10,390 | 1,190 | 1 | .008 |
| NOVEMBER | 8,910 | 280 | | .002 |
| DECEMBER | 9,160 | 560 | | .004 |
| JANUARY | 9,720 | 680 | | .005 |
| FEBRUARY | 10,080 | 1,050 | 1 | .008 |
| MARCH | 6,620 | 530 | | .006 |
| APRIL | 13,040 | 1,760 | 1 | .010 |
| MAY | 16,880 | 3,240 | 2 | .014 |
| JUNE | 5,510 | 450 | | .006 |
| JULY | 7,090 | 1,910 | 1 | .020 |
| AUGUST | 3,470 | 190 | | .004 |
| SEPTEMBER | 13,110 | 2,460 | 2 | .014 |
| SUMMARY | 114,000 | 14,300 | 8 | .009 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 1,110 | 240 | | .016 |
| NOVEMBER | 2,180 | 310 | | .010 |
| DECEMBER | 2,670 | 330 | | .009 |
| JANUARY | 2,650 | 190 | | .005 |
| FEBRUARY | 2,210 | 220 | | .007 |
| MARCH | 2,640 | 200 | | .006 |
| APRIL | 21,770 | 23,910 | 16 | .081 |
| MAY | 14,880 | 3,530 | 2 | .017 |
| JUNE | 3,200 | 770 | 1 | .018 |
| JULY | 424 | 70 | | .012 |
| AUGUST | 1 | | | |
| SEPTEMBER | 231,500 | 5,522,050 | 3,622 | 1,752 |
| SUMMARY | 285,200 | 5,551,820 | 3,641 | 1,430 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 4,600 | 240 | | .004 |
| NOVEMBER | 3,900 | 200 | | .004 |
| DECEMBER | 4,360 | 240 | | .004 |
| JANUARY | 4,210 | 400 | | .007 |
| FEBRUARY | 4,430 | 480 | | .008 |
| MARCH | 4,330 | 530 | | .009 |
| APRIL | 3,870 | 430 | | .008 |
| MAY | 12,380 | 5,710 | 4 | .034 |
| JUNE | 5,330 | 470 | | .006 |
| JULY | 528 | 130 | | .018 |
| AUGUST | 2,580 | 520 | | .015 |
| SEPTEMBER | 3,630 | 1,000 | 1 | .020 |
| SUMMARY | 54,150 | 10,350 | 5 | .014 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,120 | 190 | | .007 |
| NOVEMBER | 3,710 | 190 | | .004 |
| DECEMBER | 26,550 | 31,200 | 20 | .086 |
| JANUARY | 12,050 | 7,870 | 5 | .048 |
| FEBRUARY | 6,610 | 440 | | .005 |
| MARCH | 5,490 | 1,230 | 1 | .016 |
| APRIL | 3,060 | 390 | | .009 |
| MAY | 37,360 | 42,490 | 28 | .084 |
| JUNE | 472 | 120 | | .019 |
| JULY | 1,770 | 180 | | .007 |
| AUGUST | 4,000 | 790 | 1 | .014 |
| SEPTEMBER | 4,300 | 250 | | .004 |
| SUMMARY | 107,500 | 85,340 | 55 | .058 |

COLORADO RIVER WATERSHED

LLANO STATION ON THE LLANO RIVER - CONTINUED

WATER YEAR 1954

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,930 | 1,610 | 1 | .020 | OCTOBER | 10,470 | 2,433 | 2 | .017 |
| NOVEMBER | 2,010 | 110 | | .004 | NOVEMBER | 3,390 | 424 | | .006 |
| DECEMBER | 2,190 | 210 | | .007 | DECEMBER | 3,530 | 384 | | .008 |
| JANUARY | 2,830 | 230 | | .006 | JANUARY | 3,380 | 368 | | .008 |
| FEBRUARY | 2,090 | 80 | | .003 | FEBRUARY | 4,200 | 591 | | .010 |
| MARCH | 1,450 | 130 | | .007 | MARCH | 2,360 | 128 | | .004 |
| APRIL | 2,310 | 980 | 1 | .031 | APRIL | 1,570 | 85 | | .004 |
| MAY | 9,260 | 3,020 | 2 | .024 | MAY | 8,380 | 2,150 | 1 | .019 |
| JUNE | 2,120 | 460 | | .016 | JUNE | 572 | 31 | | .004 |
| JULY | 5,920 | 920 | 1 | .011 | JULY | | | | |
| AUGUST | 30 | | | | AUGUST | 803 | 284 | | .026 |
| SEPTEMBER | 33 | | | | SEPTEMBER | 197 | 11 | | .004 |
| SUMMARY | 36,170 | 7,750 | 5 | .016 | SUMMARY | 39,350 | 6,889 | 3 | .013 |

WATER YEAR 1955

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,440 | 394 | | .012 | OCTOBER | 2,900 | 658 | | .017 |
| NOVEMBER | 2,240 | 239 | | .009 | NOVEMBER | 1,230 | 119 | | .007 |
| DECEMBER | 1,590 | 161 | | .007 | DECEMBER | 1,740 | 167 | | .009 |
| JANUARY | 4,610 | 2,240 | 2 | .036 | JANUARY | 1,950 | 178 | | .007 |
| FEBRUARY | 2,830 | 437 | | .011 | FEBRUARY | 2,860 | 375 | | .010 |
| MARCH | 3,340 | 571 | | .013 | MARCH | 7,190 | 1,521 | 1 | .017 |
| APRIL | 1,250 | 34 | | .002 | APRIL | 132,900 | 254,615 | 167 | .141 |
| MAY | 92,810 | 244,005 | 160 | .193 | MAY | 206,000 | 452,054 | 296 | .161 |
| JUNE | 13,090 | 6,138 | 4 | .034 | JUNE | 81,030 | 87,878 | 58 | .080 |
| JULY | 16,670 | 11,131 | 7 | .049 | JULY | 7,590 | 1,174 | 1 | .011 |
| AUGUST | 25,090 | 16,066 | 11 | .047 | AUGUST | 9,550 | 2,387 | 2 | .018 |
| SEPTEMBER | 55,910 | 40,704 | 27 | .053 | SEPTEMBER | 4,710 | 651 | | .010 |
| SUMMARY | 222,000 | 322,170 | 211 | .107 | SUMMARY | 459,800 | 801,877 | 525 | .128 |

COLORADO RIVER WATERSHED

LLANO STATION ON THE LLANO RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 219,300 | 284,432 | 187 | .095 | OCTOBER | 20,130 | 551 | | .002 |
| NOVEMBER | 46,910 | 2,412 | 2 | .004 | NOVEMBER | 16,840 | 345 | | .002 |
| DECEMBER | 22,270 | 1,511 | 1 | .005 | DECEMBER | 14,720 | 289 | | .001 |
| JANUARY | 28,470 | 1,779 | 1 | .005 | JANUARY | 12,220 | 393 | | .002 |
| FEBRUARY | 93,290 | 153,471 | 101 | .121 | FEBRUARY | 11,460 | 305 | | .002 |
| MARCH | 52,310 | 4,462 | 3 | .006 | MARCH | 9,040 | 289 | | .002 |
| APRIL | 22,700 | 884 | 1 | .003 | APRIL | 12,480 | 1,275 | 1 | .003 |
| MAY | 37,830 | 2,148 | 1 | .004 | MAY | 8,840 | 288 | | .002 |
| JUNE | 55,450 | | | | JUNE | 73,260 | 42,670 | 28 | .043 |
| JULY | 13,670 | | | | JULY | 23,390 | 1,416 | 1 | .004 |
| AUGUST | 11,150 | 547 | | .004 | AUGUST | 10,280 | 443 | | .003 |
| SEPTEMBER | 38,920 | 6,032 | 4 | .011 | SEPTEMBER | 5,570 | 247 | | .003 |
| SUMMARY | 642,300 | | | | SUMMARY | 218,700 | 48,511 | 30 | .016 |

COLORADO RIVER WATERSHED

INKS DAM STATION ON THE COLORADO RIVER

Net Drainage Area: 19,390 sq. mi.

Location: Tailrace of Inks Dam

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

Comments: Discharge records furnished by the Lower Colorado River Authority

WATER YEAR 1942

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST 1/ | 124,900 | 14,230 | 9 | .008 |
| SEPTEMBER | 160,300 | 27,040 | 18 | .012 |
| SUMMARY | | | | |

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 31,560 | 2,370 | 2 | .005 |
| NOVEMBER | 40,030 | 8,250 | 5 | .015 |
| DECEMBER | 51,110 | 6,950 | 5 | .010 |
| JANUARY | 26,430 | 1,890 | 1 | .005 |
| FEBRUARY | 24,680 | 2,450 | 2 | .007 |
| MARCH | 81,940 | 5,440 | 4 | .005 |
| APRIL | 56,460 | 3,850 | 2 | .005 |
| MAY | 116,800 | 23,810 | 10 | .015 |
| JUNE | 107,500 | 20,430 | 13 | .014 |
| JULY | 56,760 | 10,730 | 7 | .014 |
| AUGUST | 95,410 | 26,000 | 17 | .020 |
| SEPTEMBER | 79,360 | 15,810 | 10 | .015 |
| SUMMARY | 768,000 | 127,980 | 84 | .012 |

WATER YEAR 1943

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 92,020 | 11,970 | 8 | .010 |
| NOVEMBER | 91,700 | 15,680 | 10 | .013 |
| DECEMBER | 62,180 | 6,740 | 4 | .008 |
| JANUARY | 34,440 | 2,070 | 1 | .004 |
| FEBRUARY | 64,560 | 5,620 | 4 | .006 |
| MARCH | 84,360 | 7,160 | 5 | .006 |
| APRIL | 68,410 | 4,390 | 3 | .005 |
| MAY | 49,530 | 6,070 | 4 | .009 |
| JUNE | 58,860 | 3,060 | 2 | .004 |
| JULY | 25,130 | 1,280 | 1 | .004 |
| AUGUST | 22,420 | 1,750 | 1 | .006 |
| SEPTEMBER | 8,850 | 1,300 | 1 | .011 |
| SUMMARY | 662,500 | 67,090 | 44 | .007 |

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 41,030 | 9,470 | 6 | .017 |
| NOVEMBER | 54,020 | 10,460 | 7 | .014 |
| DECEMBER | 22,190 | 3,310 | 2 | .011 |
| JANUARY | 33,760 | 4,630 | 3 | .010 |
| FEBRUARY | 27,550 | 3,750 | 2 | .010 |
| MARCH | 39,860 | 5,880 | 4 | .011 |
| APRIL | 22,600 | 4,000 | 3 | .013 |
| MAY | 32,570 | 6,080 | 4 | .014 |
| JUNE | 45,320 | 8,530 | 6 | .014 |
| JULY | 329,030 | 66,370 | 44 | .015 |
| AUGUST | 63,480 | 26,060 | 17 | .030 |
| SEPTEMBER | 40,540 | 9,000 | 6 | .016 |
| SUMMARY | 752,000 | 157,540 | 104 | .015 |

1/ Station was established August 1, 1942

COLORADO RIVER WATERSHED

INKS DAM STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 46,450 | 14,390 | 9 | .023 |
| NOVEMBER | 37,250 | 11,730 | 8 | .023 |
| DECEMBER | 59,680 | 21,890 | 14 | .027 |
| JANUARY | 60,930 | 12,340 | 8 | .015 |
| FEBRUARY | 82,120 | 29,940 | 20 | .027 |
| MARCH | 93,980 | 18,110 | 12 | .014 |
| APRIL | 79,710 | 7,820 | 5 | .007 |
| MAY | 11,790 | 1,830 | 1 | .011 |
| JUNE | 31,970 | 2,290 | 2 | .005 |
| JULY | 83,440 | 6,050 | 5 | .007 |
| AUGUST | 57,060 | 4,110 | 3 | .005 |
| SEPTEMBER | 34,080 | 1,490 | 1 | .003 |
| SUMMARY | 678,500 | 134,030 | 38 | .015 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 66,170 | 3,670 | 5 | .010 |
| NOVEMBER | 59,790 | 3,980 | 3 | .005 |
| DECEMBER | 45,440 | 1,590 | 1 | .003 |
| JANUARY | 34,340 | 1,060 | 1 | .002 |
| FEBRUARY | 50,100 | 3,890 | 2 | .005 |
| MARCH | 47,990 | 3,600 | 2 | .005 |
| APRIL | 44,460 | 2,700 | 2 | .004 |
| MAY | 31,860 | 4,360 | 3 | .009 |
| JUNE | 43,380 | 8,790 | 6 | .015 |
| JULY | 54,460 | 6,570 | 4 | .009 |
| AUGUST | 55,970 | 11,240 | 7 | .015 |
| SEPTEMBER | 46,540 | 1,350 | 1 | .002 |
| SUMMARY | 580,500 | 56,700 | 38 | .007 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 51,170 | 1,020 | 1 | .001 |
| NOVEMBER | 68,920 | 1,240 | 1 | .001 |
| DECEMBER | 60,200 | 3,020 | 2 | .004 |
| JANUARY | 18,560 | 820 | 1 | .003 |
| FEBRUARY | 13,990 | 860 | 1 | .005 |
| MARCH | 45,540 | 3,530 | 2 | .006 |
| APRIL | 35,330 | 2,360 | 2 | .005 |
| MAY | 17,760 | 400 | | .002 |
| JUNE | 35,580 | 2,130 | 1 | .004 |
| JULY | 52,560 | 9,950 | 7 | .014 |
| AUGUST | 47,090 | 1,210 | 1 | .002 |
| SEPTEMBER | 52,270 | 1,330 | 1 | .002 |
| SUMMARY | 499,000 | 27,870 | 20 | .004 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 25,240 | 680 | | .002 |
| NOVEMBER | 18,320 | 300 | | .002 |
| DECEMBER | 39,880 | 1,410 | 1 | .003 |
| JANUARY | 33,740 | 2,060 | 1 | .004 |
| FEBRUARY | 26,750 | 2,120 | 1 | .005 |
| MARCH | 4,650 | 330 | | .005 |
| APRIL | 14,120 | 1,730 | 1 | .009 |
| MAY | 134,700 | 8,160 | 5 | .004 |
| JUNE | 87,760 | 4,300 | 3 | .004 |
| JULY | 73,940 | 3,570 | 2 | .004 |
| AUGUST | 54,540 | 2,180 | 1 | .003 |
| SEPTEMBER | 69,020 | 3,030 | 2 | .003 |
| SUMMARY | 582,700 | 30,170 | 17 | .004 |

COLORADO RIVER WATERSHED

INKS DAM STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 38,070 | 1,650 | 1 | .003 |
| NOVEMBER | 42,300 | 1,500 | 1 | .003 |
| DECEMBER | 5,360 | | | |
| JANUARY | 436 | | | |
| FEBRUARY | | | | |
| MARCH | 27,620 | 1,800 | 1 | .005 |
| APRIL | 31,550 | 1,390 | 1 | .005 |
| MAY | 30,100 | 820 | 1 | .002 |
| JUNE | 47,620 | 1,510 | 1 | .002 |
| JULY | 29,220 | 1,460 | 1 | .004 |
| AUGUST | 44,020 | 1,290 | 1 | .002 |
| SEPTEMBER | 28,540 | 2,220 | 1 | .006 |
| SUMMARY | 325,100 | 14,240 | 9 | .003 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 25,990 | 780 | 1 | .002 |
| NOVEMBER | 7,200 | 240 | | .002 |
| DECEMBER ^{1/} | 469 | | | |
| JANUARY | 3,520 | | | |
| FEBRUARY | 12,490 | | | |
| MARCH | 984 | | | |
| APRIL | 7,220 | | | |
| MAY | 23,410 | | | |
| JUNE | 52,270 | | | |
| JULY | 98,750 | | | |
| AUGUST | 102,400 | | | |
| SEPTEMBER | 15,540 | | | |
| SUMMARY | 350,700 | | | |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 8,120 | 400 | | .004 |
| NOVEMBER | 23,080 | 1,040 | 1 | .003 |
| DECEMBER | 9,480 | 260 | | .002 |
| JANUARY | 4,230 | 120 | | .002 |
| FEBRUARY | 25,210 | 700 | | .002 |
| MARCH | 5,340 | 260 | | .003 |
| APRIL | 23,890 | 860 | 1 | .003 |
| MAY | 88,450 | 3,700 | 2 | .003 |
| JUNE | 113,800 | 3,490 | 2 | .002 |
| JULY | 99,000 | 5,430 | 4 | .004 |
| AUGUST | 134,520 | 7,970 | 5 | .004 |
| SEPTEMBER | 80,810 | 2,200 | 2 | .002 |
| SUMMARY | 618,100 | 26,450 | 17 | .003 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

^{1/} No records from December 1, 1951 through June 30, 1955

COLORADO RIVER WATERSHED

INGRS DAM STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 96,930 | 3,444 | 2 | .003 |
| NOVEMBER | 52,450 | 757 | | .001 |
| DECEMBER | 26,580 | 399 | | .001 |
| JANUARY | 31,060 | 466 | | .001 |
| FEBRUARY | 3,960 | 59 | | .001 |
| MARCH | 4,800 | 72 | | .001 |
| APRIL | 15,740 | 236 | | .001 |
| MAY | 13,890 | 2,083 | 1 | .001 |
| JUNE | 67,410 | 1,011 | 1 | .001 |
| JULY | 28,990 | 435 | | .001 |
| AUGUST | 25,830 | 387 | | .001 |
| SEPTEMBER | 38,230 | 573 | | .001 |
| SUMMARY | 405,900 | 9,922 | 4 | .002 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 13,050 | | | |
| NOVEMBER | 109 | | | |
| DECEMBER | 770 | | | |
| JANUARY | 12,700 | | | |
| FEBRUARY | 8,220 | | | |
| MARCH | 1,660 | | | |
| APRIL | 14,810 | | | |
| MAY | 57,790 | | | |
| JUNE | 117,800 | | | |
| JULY | 128,700 | 4,580 | 3 | .003 |
| AUGUST | 100,100 | 2,330 | 2 | .002 |
| SEPTEMBER | 44,100 | 662 | | .001 |
| SUMMARY | 499,800 | | | |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 12,560 | 188 | | .001 |
| NOVEMBER | 12,240 | 184 | | .001 |
| DECEMBER | 12,140 | 182 | | .001 |
| JANUARY | 19,380 | 259 | | .001 |
| FEBRUARY | 24,120 | 362 | | .001 |
| MARCH | 6,510 | 98 | | .001 |
| APRIL | 21,830 | 1,177 | 1 | .004 |
| MAY | 140,200 | 10,513 | 7 | .006 |
| JUNE | 127,900 | 7,676 | 5 | .004 |
| JULY | 55,730 | 836 | 1 | .001 |
| AUGUST | 108,500 | 5,547 | 4 | .004 |
| SEPTEMBER | 39,370 | 1,186 | 1 | .002 |
| SUMMARY | 580,500 | 28,208 | 19 | .004 |

COLORADO RIVER WATERSHED

INKS DAM STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 95,390 | 12,561 | 8 | .010 | OCTOBER | 7,240 | 101 | | .001 |
| NOVEMBER | 101,700 | 13,848 | 9 | .010 | NOVEMBER | 22,510 | 443 | | .001 |
| DECEMBER | 73,060 | 11,521 | 8 | .012 | DECEMBER | 68,740 | 1,740 | 1 | .003 |
| JANUARY | 97,320 | 10,237 | 7 | .008 | JANUARY | 37,640 | 1,248 | 1 | .002 |
| FEBRUARY | 66,890 | 5,613 | 4 | .006 | FEBRUARY | 5,770 | 98 | | .001 |
| MARCH | 81,370 | 2,291 | 2 | .002 | MARCH | 8,810 | 123 | | .001 |
| APRIL | 78,070 | 1,622 | 1 | .002 | APRIL | 13,640 | 218 | | .001 |
| MAY | 99,190 | 2,093 | 1 | .002 | MAY | 16,350 | 266 | | .001 |
| JUNE | 88,900 | 8,813 | 6 | .007 | JUNE | 24,280 | 403 | | .001 |
| JULY | 97,170 | 6,974 | 5 | .005 | JULY | 137,900 | 3,788 | 2 | .002 |
| AUGUST | 32,870 | 634 | | .001 | AUGUST | 96,400 | 1,383 | 1 | .001 |
| SEPTEMBER | 23,710 | 371 | | .001 | SEPTEMBER | 29,720 | 415 | | .001 |
| SUMMARY | 935,600 | 76,578 | 51 | .006 | SUMMARY | 449,000 | 10,226 | 5 | .002 |

COLORADO RIVER WATERSHED

JOHNSON CITY STATION ON THE PEDERNALES RIVER

Net Drainage Area: 947 sq. mi.

Location: U. S. Highway 281 bridge, about 2.5 miles northeast of Johnson City

Records Available: August 1, 1942 to date

Comments: Useful in determining silt discharge into Lake Travis

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 14,960 | | | |
| NOVEMBER | 3,420 | | | |
| DECEMBER | 3,340 | | | |
| JANUARY | 2,790 | | | |
| FEBRUARY | 2,420 | | | |
| MARCH | 2,290 | | | |
| APRIL | 9,170 | | | |
| MAY | 4,280 | | | |
| JUNE | 2,950 | | | |
| JULY | 2,900 | | | |
| AUGUST 1/ SEPTEMBER | 16,990 5,640 | 100,530 6,500 | 66 4 | .435 .085 |
| SUMMARY | 71,750 | | | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 778 | 181 | | .017 |
| NOVEMBER | 671 | 72 | | .009 |
| DECEMBER | 1,130 | 128 | | .008 |
| JANUARY | 2,490 | 757 | | .022 |
| FEBRUARY | 2,990 | 1,217 | 1 | .030 |
| MARCH | 6,400 | 7,607 | 5 | .067 |
| APRIL | 2,550 | 935 | 1 | .027 |
| MAY | 67,100 | 236,226 | 155 | .259 |
| JUNE | 7,760 | 2,103 | 1 | .020 |
| JULY | 1,580 | 147 | | .007 |
| AUGUST | 60,480 | 461,369 | 303 | .560 |
| SEPTEMBER | 13,730 | 13,207 | 9 | .071 |
| SUMMARY | 167,700 | 724,549 | 475 | .317 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 40,410 | 107,910 | 71 | .196 |
| NOVEMBER | 4,280 | 370 | | .006 |
| DECEMBER | 3,270 | 280 | | .006 |
| JANUARY | 2,690 | 100 | | .003 |
| FEBRUARY | 2,080 | 61 | | .002 |
| MARCH | 4,410 | 2,120 | 1 | .035 |
| APRIL | 3,260 | 1,040 | 1 | .023 |
| MAY | 2,140 | 1,150 | 1 | .039 |
| JUNE | 8,480 | 27,680 | 18 | .240 |
| JULY | 7,090 | 2,860 | 6 | .092 |
| AUGUST | 334 | 35 | | .008 |
| SEPTEMBER | 1,410 | 1,130 | 1 | .059 |
| SUMMARY | 79,850 | 150,736 | 99 | .137 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 5,430 | 5,240 | 3 | .071 |
| NOVEMBER | 4,360 | 1,110 | 1 | .019 |
| DECEMBER | 18,710 | 12,220 | 8 | .066 |
| JANUARY | 20,780 | 13,440 | 9 | .048 |
| FEBRUARY | 18,630 | 7,410 | 5 | .029 |
| MARCH | 40,160 | 24,350 | 15 | .045 |
| APRIL | 36,270 | 36,550 | 24 | .074 |
| MAY | 11,670 | 5,760 | 4 | .036 |
| JUNE | 5,520 | 3,120 | 2 | .042 |
| JULY | 3,120 | 1,860 | 1 | .044 |
| AUGUST | 2,810 | 4,010 | 3 | .105 |
| SEPTEMBER | 19,540 | 76,670 | 50 | .288 |
| SUMMARY | 187,000 | 191,740 | 126 | .075 |

1/ Station was established August 1, 1942

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COLORADO RIVER WATERSHED

JOHNSON CITY STATION ON THE PEDERNALES RIVER - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF TONS | STREAM ACRE-FOOT | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 11,680 | 13,550 | 9 | .085 |
| NOVEMBER | 3,900 | 990 | 1 | .019 |
| DECEMBER | 5,170 | 1,070 | 1 | .015 |
| JANUARY | 7,850 | 2,480 | 2 | .023 |
| FEBRUARY | 7,510 | 3,730 | 2 | .036 |
| MARCH | 6,000 | 2,080 | 1 | .025 |
| APRIL | 15,860 | 62,000 | 41 | .287 |
| MAY | 22,470 | 39,800 | 26 | .130 |
| JUNE | 8,040 | 5,340 | 4 | .049 |
| JULY | 1,790 | 260 | | .011 |
| AUGUST | 719 | 100 | | .010 |
| SEPTEMBER | 3,150 | 1,030 | 1 | .024 |
| SUMMARY | 94,140 | 132,430 | 88 | .103 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF TONS | STREAM ACRE-FOOT | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 612 | 60 | | .007 |
| NOVEMBER | 1,050 | 70 | | .005 |
| DECEMBER | 2,300 | 480 | | .015 |
| JANUARY | 1,390 | 110 | | .035 |
| FEBRUARY | 1,960 | 130 | | .007 |
| MARCH | 1,930 | 120 | | .005 |
| APRIL | 10,140 | 31,990 | 31 | .232 |
| MAY | 5,050 | 4,540 | 3 | .056 |
| JUNE | 1,910 | 2,020 | 1 | .077 |
| JULY | 3,710 | 1,630 | 1 | .032 |
| AUGUST | 650 | 220 | | .025 |
| SEPTEMBER | 925 | 320 | 1 | .073 |
| SUMMARY | 31,630 | 42,340 | 27 | .098 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF TONS | STREAM ACRE-FOOT | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 8,100 | 19,330 | 13 | .175 |
| NOVEMBER | 17,040 | 33,810 | 22 | .146 |
| DECEMBER | 15,070 | 25,230 | 17 | .123 |
| JANUARY | 32,460 | 16,510 | 11 | .037 |
| FEBRUARY | 11,830 | 950 | 1 | .006 |
| MARCH | 11,960 | 1,350 | 1 | .008 |
| APRIL | 10,900 | 3,710 | 2 | .025 |
| MAY | 8,660 | 1,180 | 1 | .010 |
| JUNE | 7,690 | 2,170 | 1 | .021 |
| JULY | 1,550 | 120 | | .006 |
| AUGUST | 2,650 | 3,280 | 2 | .091 |
| SEPTEMBER | 566 | 30 | | .004 |
| SUMMARY | 128,500 | 107,670 | 71 | .062 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF TONS | STREAM ACRE-FOOT | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,130 | 890 | 1 | .058 |
| NOVEMBER | 576 | 30 | | .004 |
| DECEMBER | 872 | 70 | | .005 |
| JANUARY | 1,130 | 90 | | .006 |
| FEBRUARY | 4,280 | 6,590 | 4 | .113 |
| MARCH | 3,320 | 1,510 | 1 | .033 |
| APRIL | 12,000 | 14,060 | 9 | .086 |
| MAY | 4,090 | 530 | | .010 |
| JUNE | 6,570 | 27,550 | 18 | .308 |
| JULY | 1,140 | 170 | | .011 |
| AUGUST | 861 | 30 | | .003 |
| SEPTEMBER | 1,690 | 3,040 | 2 | .132 |
| SUMMARY | 37,660 | 54,560 | 35 | .106 |

COLORADO RIVER WATERSHED

JOHNSON CITY STATION ON THE FEDERBALES RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,080 | 80 | | .005 |
| NOVEMBER | 540 | 30 | | .004 |
| DECEMBER | 1,450 | 180 | | .009 |
| JANUARY | 1,130 | 60 | | .004 |
| FEBRUARY | 1,740 | 130 | | .005 |
| MARCH | 916 | 60 | | .005 |
| APRIL | 1,400 | 250 | | .013 |
| MAY | 3,320 | 2,160 | 1 | .048 |
| JUNE | 3,390 | 4,970 | 3 | .108 |
| JULY | 345 | 20 | | .004 |
| AUGUST | 1,620 | 1,090 | 1 | .049 |
| SEPTEMBER | 1,360 | 70 | | .004 |
| SUMMARY | 18,290 | 9,100 | 5 | .037 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 27 | | | |
| NOVEMBER | 150 | | | |
| DECEMBER | 334 | 10 | | .002 |
| JANUARY | 285 | 10 | | .003 |
| FEBRUARY | 330 | 10 | | .002 |
| MARCH | 736 | 60 | | .006 |
| APRIL | 6,620 | 8,400 | 6 | .093 |
| MAY | 18,050 | 35,010 | 23 | .143 |
| JUNE | 7,060 | 2,440 | 2 | .025 |
| JULY | 4,020 | 11,280 | 7 | .026 |
| AUGUST | 6 | | | |
| SEPTEMBER | 376,800 | 12,588,328 | 8,257 | 2,454 |
| SUMMARY | 414,400 | 12,645,548 | 8,295 | 2,422 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 186 | | | |
| NOVEMBER | 225 | 20 | | .006 |
| DECEMBER | 513 | 20 | | .003 |
| JANUARY | 507 | 10 | | .001 |
| FEBRUARY | 649 | 40 | | .005 |
| MARCH | 1,940 | 5,850 | 4 | .021 |
| APRIL | 986 | 110 | | .008 |
| MAY | 2,620 | 900 | 1 | .025 |
| JUNE | 8,360 | 13,270 | 9 | .117 |
| JULY | 36 | | | |
| AUGUST | 1 | | | |
| SEPTEMBER | 1,420 | 3,190 | 2 | .165 |
| SUMMARY | 17,440 | 23,410 | 16 | .099 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,280 | 120 | | .004 |
| NOVEMBER | 3,080 | 570 | | .014 |
| DECEMBER | 22,320 | 30,730 | 20 | .101 |
| JANUARY | 5,900 | 510 | | .006 |
| FEBRUARY | 3,480 | 130 | | .003 |
| MARCH | 4,680 | 1,660 | 1 | .026 |
| APRIL | 5,430 | 2,350 | 2 | .032 |
| MAY | 3,270 | 930 | 1 | .021 |
| JUNE | 492 | 60 | | .009 |
| JULY | 276 | 20 | | .005 |
| AUGUST | 2,970 | 4,180 | 3 | .103 |
| SEPTEMBER | 4,010 | 1,160 | 1 | .021 |
| SUMMARY | 58,190 | 42,420 | 28 | .054 |

COLORADO RIVER WATERSHED

JOHNSON CITY STATION ON THE FEDERNALES RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 4,000 | 1,640 | 1 | .030 |
| NOVEMBER | 1,150 | 60 | | .004 |
| DECEMBER | 1,200 | 120 | | .007 |
| JANUARY | 1,040 | 50 | | .004 |
| FEBRUARY | 564 | 30 | | .004 |
| MARCH | 473 | 40 | | .006 |
| APRIL | 3,400 | 6,040 | 4 | .131 |
| MAY | 1,810 | 1,200 | 1 | .049 |
| JUNE | 217 | 10 | | .003 |
| JULY | 21 | | | |
| AUGUST | | | | |
| SEPTEMBER | 620 | 120 | | .014 |
| SUMMARY | 14,500 | 9,310 | 6 | .047 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 834 | 26 | | .002 |
| NOVEMBER | 224 | 6 | | .002 |
| DECEMBER | 421 | 13 | | .002 |
| JANUARY | 391 | 35 | | .007 |
| FEBRUARY | 647 | 100 | | .011 |
| MARCH | 127 | 3 | | .002 |
| APRIL | 4 | | | |
| MAY | 126 | 10 | | .006 |
| JUNE | 74 | 2 | | .002 |
| JULY | | | | |
| AUGUST | 139 | 4 | | .002 |
| SEPTEMBER | 6 | | | |
| SUMMARY | 2,990 | 199 | | .005 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 3,440 | 5,120 | 3 | .109 |
| NOVEMBER | 569 | 32 | | .004 |
| DECEMBER | 150 | 4 | | .002 |
| JANUARY | 2,130 | 3,022 | 2 | .104 |
| FEBRUARY | 3,460 | 5,411 | 4 | .115 |
| MARCH | 378 | 10 | | .002 |
| APRIL | 132 | 4 | | .002 |
| MAY | 17,380 | 88,288 | 58 | .373 |
| JUNE | 2,980 | 4,358 | 3 | .107 |
| JULY | 5,430 | 12,071 | 8 | .163 |
| AUGUST | 5,810 | 11,751 | 8 | .149 |
| SEPTEMBER | 9,130 | 14,325 | 9 | .115 |
| SUMMARY | 50,990 | 144,396 | 95 | .208 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,130 | 5,695 | 4 | .197 |
| NOVEMBER | 1,080 | 1,625 | 1 | .111 |
| DECEMBER | 357 | 39 | | .008 |
| JANUARY | 104 | 3 | | .002 |
| FEBRUARY | 268 | 8 | | .002 |
| MARCH | 6,610 | 10,462 | 7 | .116 |
| APRIL | 81,400 | 398,031 | 261 | .359 |
| MAY | 35,350 | 39,371 | 26 | .082 |
| JUNE | 32,640 | 31,339 | 20 | .071 |
| JULY | 1,620 | 113 | | .005 |
| AUGUST | 480 | 22 | | .003 |
| SEPTEMBER | 10,640 | 25,487 | 17 | .176 |
| SUMMARY | 172,700 | 512,195 | 336 | .218 |

COLORADO RIVER WATERSHED

JOHNSON CITY STATION ON THE PEDERNALES RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 25,900 | 58,188 | 38 | .165 | OCTOBER | 19,950 | 4,310 | 3 | .016 |
| NOVEMBER | 14,900 | 2,196 | 1 | .011 | NOVEMBER | 13,880 | 211 | | .001 |
| DECEMBER | 8,440 | 591 | | .005 | DECEMBER | 8,560 | 92 | | .001 |
| JANUARY | 10,950 | 1,173 | 1 | .008 | JANUARY | 6,520 | 97 | | .001 |
| FEBRUARY | 27,120 | 10,718 | 7 | .029 | FEBRUARY | 7,580 | 722 | | .007 |
| MARCH | 20,590 | 3,584 | 2 | .013 | MARCH | 5,690 | 81 | | .001 |
| APRIL | 10,250 | 1,203 | 1 | .009 | APRIL | 22,850 | 37,539 | 25 | .121 |
| MAY | 25,040 | 30,932 | 20 | .091 | MAY | 8,560 | 146 | | .001 |
| JUNE | 61,530 | 161,677 | 106 | .193 | JUNE | 31,020 | 122,546 | 60 | .290 |
| JULY | 6,670 | 210 | | .002 | JULY | 3,880 | 55 | | .001 |
| AUGUST | 4,540 | 315 | | .005 | AUGUST | 2,520 | 64 | | .002 |
| SEPTEMBER | 24,170 | 22,441 | 15 | .068 | SEPTEMBER | 3,520 | 3,002 | 2 | .062 |
| SUMMARY | 240,100 | 293,228 | 191 | .090 | SUMMARY | 134,500 | 168,865 | 110 | .092 |

COLORADO RIVER WATERSHED

AUSTIN STATION ON THE COLORADO RIVER

Net Drainage Area: 25,500 (previously published as 26,360) sq. mi.

Location: Montopolis Bridge on U. S. Highway 163 at southeast edge of Austin; prior to October 1945 samples were frequently taken from Congress Avenue Bridge in downtown Austin. Due to construction on the new dam above Montopolis Bridge from May through October 1959 samples were taken from the Inter-regional Highway Bridge.

Records Available: August 2, 1937 to date

Comments: Rehabilitation of the old Austin Dam (now termed Tom Miller Dam) from August 1, 1938 to January 7, 1940 at times distorted the silt load of samples which were taken from 1.5 to 4 miles downstream.

WATER YEAR 1937

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|----------------------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 908,900 | | | |
| NOVEMBER | 232,700 | | | |
| DECEMBER | 228,000 | | | |
| JANUARY | 163,900 | | | |
| FEBRUARY | 113,400 | | | |
| MARCH | 189,200 | | | |
| APRIL | 87,510 | | | |
| MAY | 59,600 | | | |
| JUNE | 72,580 | | | |
| JULY | 67,790 | | | |
| AUGUST ^{1/} | 31,070 | 1,390 | 1 | .003 |
| SEPTEMBER | 16,970 | 440 | | .002 |
| SUMMARY | 2,172,000 | | | |

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 32,420 | 450 | | .001 |
| NOVEMBER | 30,630 | 340 | | .001 |
| DECEMBER | 35,410 | 420 | | .001 |
| JANUARY | 55,570 | 3,490 | 2 | .005 |
| FEBRUARY | 64,540 | 9,850 | 6 | .011 |
| MARCH | 50,300 | 4,430 | 3 | .006 |
| APRIL | 67,760 | 16,740 | 11 | .018 |
| MAY | 106,200 | 62,840 | 41 | .043 |
| JUNE | 200,500 | 165,860 | 109 | .061 |
| JULY | 210,100 | 359,510 | 236 | .126 |
| AUGUST | 77,400 | 63,130 | 41 | .060 |
| SEPTEMBER | 55,800 | 48,090 | 32 | .063 |
| SUMMARY | 986,600 | 735,150 | 481 | .055 |

WATER YEAR 1938

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 49,680 | 40,520 | 27 | .060 |
| NOVEMBER | 32,790 | 3,100 | 2 | .007 |
| DECEMBER | 151,100 | 203,700 | 134 | .099 |
| JANUARY | 281,300 | 468,660 | 307 | .122 |
| FEBRUARY | 105,600 | 3,510 | 2 | .002 |
| MARCH | 59,680 | 780 | 1 | .001 |
| APRIL | 107,300 | 79,610 | 52 | .055 |
| MAY | 105,200 | 13,270 | 9 | .009 |
| JUNE | 87,980 | 10,430 | 7 | .009 |
| JULY | 2,221,000 | 7,959,520 | 5,221 | .263 |
| AUGUST | 360,500 | 96,380 | 63 | .020 |
| SEPTEMBER | 47,440 | 1,630 | 1 | .003 |
| SUMMARY | 3,610,000 | 8,881,110 | 5,826 | .181 |

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|-----------|-------------------------|
| OCTOBER | 123,300 | 377,820 | 248 | .225 |
| NOVEMBER | 67,490 | 78,270 | 51 | .035 |
| DECEMBER | 64,340 | 52,940 | 35 | .060 |
| JANUARY | 54,440 | 21,340 | 14 | .029 |
| FEBRUARY | 75,950 | 11,520 | 8 | .011 |
| MARCH | 86,590 | 13,700 | 9 | .012 |
| APRIL | 109,000 | 44,290 | 29 | .030 |
| MAY | 91,510 | 22,480 | 15 | .018 |
| JUNE | 202,900 | 115,300 | 76 | .042 |
| JULY | 288,400 | 160,680 | 105 | .041 |
| AUGUST | 81,770 | 3,920 | 3 | .004 |
| SEPTEMBER | 88,430 | 4,490 | 3 | .004 |
| SUMMARY | 1,334,000 | 906,750 | 596 | .050 |

^{1/} Station was established August 2, 1937

COLORADO RIVER WATERSHED

AUSTIN STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 84,100 | 2,270 | 1 | .002 |
| NOVEMBER | 97,530 | 3,270 | 2 | .002 |
| DECEMBER | 238,600 | 41,820 | 27 | .013 |
| JANUARY | 143,600 | 6,950 | 5 | .004 |
| FEBRUARY | 235,400 | 10,330 | 7 | .003 |
| MARCH | 381,000 | 34,950 | 23 | .007 |
| APRIL | 619,900 | 213,870 | 140 | .025 |
| MAY | 1,006,000 | 298,050 | 196 | .022 |
| JUNE | 593,700 | 288,160 | 189 | .036 |
| JULY | 275,800 | 52,980 | 35 | .014 |
| AUGUST | 86,820 | 6,380 | 4 | .005 |
| SEPTEMBER | 106,800 | 20,210 | 13 | .014 |
| SUMMARY | 3,869,000 | 979,240 | 642 | .019 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 223,800 | 62,200 | 41 | .020 |
| NOVEMBER | 234,900 | 72,940 | 48 | .023 |
| DECEMBER | 159,200 | 17,150 | 11 | .006 |
| JANUARY | 167,000 | 18,130 | 12 | .008 |
| FEBRUARY | 139,000 | 13,960 | 9 | .007 |
| MARCH | 136,700 | 14,020 | 9 | .008 |
| APRIL | 164,500 | 47,500 | 31 | .021 |
| MAY | 133,000 | 21,610 | 14 | .012 |
| JUNE | 139,400 | 27,900 | 19 | .015 |
| JULY | 123,200 | 21,300 | 14 | .013 |
| AUGUST | 107,200 | 6,230 | 4 | .004 |
| SEPTEMBER | 59,870 | 5,110 | 3 | .006 |
| SUMMARY | 1,788,000 | 328,050 | 215 | .013 |

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 133,300 | 6,630 | 4 | .004 |
| NOVEMBER | 50,880 | 2,880 | 2 | .004 |
| DECEMBER | 74,340 | 6,260 | 4 | .006 |
| JANUARY | 83,010 | 6,950 | 5 | .006 |
| FEBRUARY | 71,750 | 7,790 | 5 | .008 |
| MARCH | 75,390 | 5,070 | 3 | .005 |
| APRIL | 59,130 | 15,580 | 10 | .019 |
| MAY | 68,880 | 11,060 | 7 | .012 |
| JUNE | 109,200 | 17,330 | 12 | .012 |
| JULY | 85,450 | 7,330 | 5 | .006 |
| AUGUST | 89,700 | 13,260 | 9 | .011 |
| SEPTEMBER | 85,410 | 21,430 | 14 | .018 |
| SUMMARY | 986,400 | 121,570 | 80 | .009 |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 84,930 | 10,100 | 7 | .009 |
| NOVEMBER | 77,340 | 6,740 | 4 | .006 |
| DECEMBER | 82,280 | 7,620 | 5 | .007 |
| JANUARY | 75,880 | 14,190 | 9 | .014 |
| FEBRUARY | 82,920 | 16,650 | 11 | .015 |
| MARCH | 76,520 | 11,470 | 7 | .011 |
| APRIL | 73,310 | 3,900 | 3 | .004 |
| MAY | 118,100 | 19,410 | 13 | .012 |
| JUNE | 161,300 | 23,640 | 15 | .011 |
| JULY | 194,700 | 19,840 | 13 | .007 |
| AUGUST | 188,900 | 19,550 | 13 | .008 |
| SEPTEMBER | 176,200 | 33,480 | 22 | .014 |
| SUMMARY | 1,392,000 | 186,590 | 122 | .010 |

COLORADO RIVER WATERSHED

AUSTIN STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 138,800 | 19,490 | 13 | .010 |
| NOVEMBER | 90,970 | 8,110 | 5 | .007 |
| DECEMBER | 130,700 | 27,670 | 18 | .016 |
| JANUARY | 122,400 | 28,700 | 19 | .017 |
| FEBRUARY | 113,900 | 21,300 | 14 | .014 |
| MARCH | 134,200 | 39,860 | 26 | .022 |
| APRIL | 155,000 | 41,380 | 27 | .020 |
| MAY | 145,100 | 25,140 | 16 | .013 |
| JUNE | 137,000 | 53,160 | 35 | .028 |
| JULY | 241,000 | 58,720 | 39 | .018 |
| AUGUST | 203,500 | 80,990 | 53 | .029 |
| SEPTEMBER | 138,200 | 40,020 | 26 | .021 |
| SUMMARY | 1,751,000 | 444,540 | 291 | .019 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 150,000 | 21,550 | 14 | .011 |
| NOVEMBER | 162,700 | 84,040 | 55 | .038 |
| DECEMBER | 146,100 | 5,540 | 4 | .003 |
| JANUARY | 175,500 | 19,230 | 13 | .008 |
| FEBRUARY | 123,300 | 9,530 | 6 | .006 |
| MARCH | 113,600 | 23,250 | 15 | .015 |
| APRIL | 86,780 | 10,460 | 7 | .009 |
| MAY | 104,900 | 14,540 | 10 | .010 |
| JUNE | 124,500 | 5,280 | 4 | .003 |
| JULY | 124,800 | 5,420 | 4 | .003 |
| AUGUST | 119,000 | 26,810 | 18 | .017 |
| SEPTEMBER | 91,930 | 9,120 | 6 | .007 |
| SUMMARY | 1,523,000 | 234,770 | 156 | .011 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 118,400 | 26,150 | 17 | .016 |
| NOVEMBER | 121,400 | 21,090 | 14 | .013 |
| DECEMBER | 129,800 | 29,070 | 19 | .016 |
| JANUARY | 133,700 | 21,290 | 14 | .012 |
| FEBRUARY | 99,730 | 32,030 | 21 | .024 |
| MARCH | 114,800 | 33,370 | 22 | .021 |
| APRIL | 114,000 | 22,120 | 15 | .014 |
| MAY | 167,400 | 34,630 | 23 | .015 |
| JUNE | 124,500 | 10,750 | 7 | .006 |
| JULY | 118,100 | 8,430 | 6 | .005 |
| AUGUST | 169,600 | 13,860 | 9 | .006 |
| SEPTEMBER | 143,500 | 3,980 | 3 | .002 |
| SUMMARY | 1,555,000 | 256,770 | 170 | .012 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 69,830 | 5,770 | 4 | .006 |
| NOVEMBER | 68,460 | 4,430 | 3 | .005 |
| DECEMBER | 58,240 | 4,300 | 3 | .005 |
| JANUARY | 56,380 | 7,460 | 5 | .010 |
| FEBRUARY | 59,030 | 5,870 | 4 | .007 |
| MARCH | 61,920 | 5,380 | 4 | .006 |
| APRIL | 62,830 | 8,820 | 6 | .010 |
| MAY | 80,190 | 15,100 | 10 | .014 |
| JUNE | 114,100 | 31,370 | 21 | .020 |
| JULY | 130,600 | 12,390 | 8 | .007 |
| AUGUST | 125,200 | 19,180 | 13 | .011 |
| SEPTEMBER | 70,960 | 1,990 | 1 | .002 |
| SUMMARY | 957,700 | 122,060 | 82 | .009 |

COLORADO RIVER WATERSHED

AUSTIN STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 57,740 | 2,510 | 2 | .003 |
| NOVEMBER | 45,730 | 2,030 | 1 | .003 |
| DECEMBER | 44,990 | 4,760 | 3 | .008 |
| JANUARY | 43,160 | 6,820 | 4 | .012 |
| FEBRUARY | 40,010 | 3,170 | 2 | .006 |
| MARCH | 69,190 | 6,690 | 4 | .007 |
| APRIL | 63,610 | 26,120 | 17 | .030 |
| MAY | 72,170 | 16,050 | 11 | .016 |
| JUNE | 121,500 | 9,650 | 6 | .006 |
| JULY | 117,600 | 6,040 | 4 | .004 |
| AUGUST | 111,000 | 4,690 | 3 | .003 |
| SEPTEMBER | 92,030 | 15,910 | 10 | .013 |
| SUMMARY | 878,700 | 104,440 | 67 | .009 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 35,410 | 1,800 | 1 | .004 |
| NOVEMBER | 41,490 | 3,450 | 2 | .006 |
| DECEMBER | 45,120 | 10,350 | 7 | .017 |
| JANUARY | 50,790 | 2,750 | 2 | .004 |
| FEBRUARY | 39,710 | 2,780 | 2 | .006 |
| MARCH | 14,470 | 480 | | .002 |
| APRIL | 44,890 | 2,830 | 2 | .005 |
| MAY | 107,600 | 7,530 | 5 | .005 |
| JUNE | 98,330 | 8,460 | 5 | .006 |
| JULY | 120,900 | 7,790 | 5 | .005 |
| AUGUST | 121,900 | 9,480 | 6 | .006 |
| SEPTEMBER | 47,950 | 2,700 | 2 | .004 |
| SUMMARY | 764,600 | 60,400 | 40 | .006 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 74,700 | 8,850 | 6 | .009 |
| NOVEMBER | 77,320 | 2,830 | 2 | .003 |
| DECEMBER | 75,300 | 5,600 | 4 | .005 |
| JANUARY | 54,380 | 4,030 | 3 | .005 |
| FEBRUARY | 52,590 | 4,210 | 3 | .006 |
| MARCH | 44,280 | 2,040 | 1 | .003 |
| APRIL | 50,910 | 5,650 | 4 | .008 |
| MAY | 101,000 | 8,250 | 5 | .006 |
| JUNE | 112,300 | 17,740 | 12 | .012 |
| JULY | 115,500 | 6,240 | 4 | .004 |
| AUGUST | 100,600 | 3,970 | 3 | .003 |
| SEPTEMBER | 55,630 | 2,290 | 2 | .003 |
| SUMMARY | 914,500 | 71,700 | 49 | .006 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 24,200 | 1,770 | 1 | .005 |
| NOVEMBER | 14,520 | 1,020 | 1 | .005 |
| DECEMBER | 12,180 | 1,540 | 1 | .009 |
| JANUARY | 11,380 | 570 | | .004 |
| FEBRUARY | 11,640 | 1,080 | 1 | .007 |
| MARCH | 11,580 | 870 | 1 | .006 |
| APRIL | 26,680 | 2,490 | 2 | .007 |
| MAY | 62,910 | 7,370 | 5 | .009 |
| JUNE | 103,100 | 9,390 | 6 | .007 |
| JULY | 110,700 | 12,880 | 8 | .009 |
| AUGUST | 105,000 | 8,230 | 5 | .006 |
| SEPTEMBER | 53,620 | 1,620 | 1 | .002 |
| SUMMARY | 547,500 | 48,830 | 32 | .007 |

COLORADO RIVER WATERSHED

AUSTIN STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 17,470 | 1,160 | 1 | .005 |
| NOVEMBER | 25,480 | 1,660 | 1 | .005 |
| DECEMBER | 18,520 | 800 | 1 | .003 |
| JANUARY | 48,020 | 1,200 | 1 | .002 |
| FEBRUARY | 54,580 | 5,670 | 4 | .008 |
| MARCH | 16,700 | 1,350 | 1 | .006 |
| APRIL | 57,730 | 3,320 | 4 | .007 |
| MAY | 84,460 | 3,770 | 2 | .003 |
| JUNE | 118,100 | 4,440 | 3 | .003 |
| JULY | 116,400 | 8,330 | 5 | .005 |
| AUGUST | 80,370 | 2,270 | 1 | .002 |
| SEPTEMBER | 29,170 | 3,600 | 2 | .009 |
| SUMMARY | 667,000 | 40,170 | 26 | .004 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 17,710 | 1,719 | 1 | .007 |
| NOVEMBER | 18,390 | 500 | | .002 |
| DECEMBER | 16,670 | 1,052 | 1 | .005 |
| JANUARY | 17,630 | 837 | 1 | .003 |
| FEBRUARY | 29,410 | 800 | 1 | .002 |
| MARCH | 28,090 | 1,395 | 1 | .004 |
| APRIL | 57,100 | 1,553 | 1 | .002 |
| MAY | 111,400 | 4,055 | 3 | .003 |
| JUNE | 250,100 | 6,803 | 5 | .002 |
| JULY | 172,500 | 4,692 | 3 | .002 |
| AUGUST | 137,400 | 3,737 | 3 | .002 |
| SEPTEMBER | 100,500 | 5,467 | 4 | .004 |
| SUMMARY | 956,900 | 32,610 | 24 | .003 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 20,570 | 1,390 | 1 | .005 |
| NOVEMBER | 16,110 | 440 | | .002 |
| DECEMBER | 31,050 | 2,880 | 2 | .007 |
| JANUARY | 29,930 | 910 | 1 | .002 |
| FEBRUARY | 12,380 | 340 | | .002 |
| MARCH | 24,890 | 750 | | .002 |
| APRIL | 56,770 | 3,360 | 2 | .004 |
| MAY | 120,000 | 14,450 | 9 | .009 |
| JUNE | 116,800 | 13,720 | 9 | .009 |
| JULY | 131,500 | 19,550 | 13 | .011 |
| AUGUST | 93,880 | 5,680 | 4 | .004 |
| SEPTEMBER | 30,480 | 830 | 1 | .002 |
| SUMMARY | 684,400 | 64,300 | 42 | .007 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 137,900 | 5,627 | 4 | .003 |
| NOVEMBER | 103,100 | 4,206 | 3 | .003 |
| DECEMBER | 31,140 | 1,271 | 1 | .003 |
| JANUARY | 20,150 | 974 | 1 | .004 |
| FEBRUARY | 31,460 | 1,711 | 1 | .004 |
| MARCH | 29,850 | 812 | 1 | .002 |
| APRIL | 57,470 | 1,999 | 1 | .003 |
| MAY | 141,400 | 7,664 | 5 | .004 |
| JUNE | 135,200 | 3,677 | 2 | .002 |
| JULY | 146,500 | 3,985 | 3 | .002 |
| AUGUST | 97,320 | 2,647 | 2 | .002 |
| SEPTEMBER | 34,600 | 941 | 1 | .002 |
| SUMMARY | 966,100 | 35,514 | 25 | .003 |

COLORADO RIVER WATERSHED

AUSTIN STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1957

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|---------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 19,090 | 519 | | .002 | OCTOBER | 90,810 | 2,326 | 2 | .002 |
| NOVEMBER | 10,830 | 294 | | .002 | NOVEMBER | 53,910 | 1,362 | 1 | .002 |
| DECEMBER | 10,750 | 292 | | .002 | DECEMBER | 27,570 | 392 | | .001 |
| JANUARY | 10,590 | 288 | | .002 | JANUARY | 58,590 | 979 | 1 | .001 |
| FEBRUARY | 10,500 | 286 | | .002 | FEBRUARY | 54,740 | 1,659 | 1 | .002 |
| MARCH | 14,110 | 384 | | .002 | MARCH | 49,210 | 1,216 | 1 | .002 |
| APRIL | 128,900 | 18,854 | 12 | .011 | APRIL ^{1/} | 101,800 | 12,547 | 8 | .009 |
| MAY | 1,677,000 | 570,682 | 374 | .025 | MAY | 144,000 | 3,269 | 2 | .002 |
| JUNE | 1,059,000 | 345,975 | 227 | .024 | JUNE | 105,800 | 2,110 | 1 | .001 |
| JULY | 301,200 | 32,548 | 21 | .008 | JULY | 137,800 | 2,592 | 2 | .001 |
| AUGUST | 163,900 | 13,391 | 9 | .006 | AUGUST | 205,600 | 3,530 | 2 | .001 |
| SEPTEMBER | 142,100 | 11,610 | 8 | .006 | SEPTEMBER | 150,900 | 2,111 | 1 | .001 |
| SUMMARY | 3,548,000 | 995,123 | 651 | .021 | SUMMARY | 1,181,000 | 34,093 | 22 | .002 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 352,300 | 22,398 | 15 | .005 |
| NOVEMBER | 373,000 | 16,769 | 11 | .003 |
| DECEMBER | 295,100 | 21,419 | 14 | .005 |
| JANUARY | 229,200 | 18,437 | 12 | .006 |
| FEBRUARY | 242,100 | 45,951 | 30 | .014 |
| MARCH | 353,400 | 30,209 | 20 | .006 |
| APRIL | 241,800 | 18,854 | 12 | .006 |
| MAY | 263,400 | 33,894 | 22 | .009 |
| JUNE | 284,300 | 40,766 | 27 | .011 |
| JULY | 258,400 | 12,611 | 8 | .004 |
| AUGUST | 164,600 | 3,879 | 3 | .002 |
| SEPTEMBER | 93,920 | 1,825 | 1 | .001 |
| SUMMARY | 3,152,000 | 267,012 | 175 | .006 |

^{1/} Silt load for April 1959 is high due to water disturbance caused by construction a short distance upstream

COLORADO RIVER WATERSHED

COLUMBUS-EAGLE LAKE STATION ON THE COLORADO RIVER

Net Drainage Area: 29,040 (Previously published as 29,140) sq. mi.

Location: Lakeside Irrigation Company's pumping plant about 5 miles southwest of Eagle Lake

Records Available: August 3, 1930 to August 31, 1933; December 1, 1937 to October 31, 1941

Comments: From 1930 to 1933 samples were taken from a county highway bridge in the eastern edge of Columbus, 400 feet below the Galveston, Harrisburg and San Antonio Railway bridge; net drainage area: 29,170 sq. mi.

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|----------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 93,500 | | | |
| NOVEMBER | 178,000 | | | |
| DECEMBER | 36,900 | | | |
| JANUARY | 70,700 | | | |
| FEBRUARY | 48,300 | | | |
| MARCH | 41,300 | | | |
| APRIL | 25,200 | | | |
| MAY | 545,000 | | | |
| JUNE | 273,000 | | | |
| JULY | 44,500 | | | |
| AUGUST ^{1/} | 19,200 | 660 | | .003 |
| SEPTEMBER | 50,300 | 19,360 | 13 | .028 |
| SUMMARY | 1,426,000 | | | |

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 153,000 | 1,009,460 | 662 | .485 |
| NOVEMBER | 89,800 | 154,760 | 102 | .127 |
| DECEMBER | 76,200 | 44,760 | 29 | .043 |
| JANUARY | 403,000 | 1,526,280 | 1,001 | .278 |
| FEBRUARY | 286,000 | 1,069,900 | 702 | .275 |
| MARCH | 240,000 | 602,100 | 395 | .184 |
| APRIL | 62,500 | 18,990 | 12 | .022 |
| MAY | 553,000 | 3,626,600 | 2,379 | .482 |
| JUNE | 228,000 | 625,480 | 410 | .202 |
| JULY | 664,000 | 3,135,210 | 2,056 | .347 |
| AUGUST | 100,000 | 88,940 | 58 | .065 |
| SEPTEMBER | 833,000 | 3,624,080 | 2,377 | .320 |
| SUMMARY | 3,689,000 | 15,526,560 | 10,183 | .309 |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1,250,000 | 7,540,452 | 4,946 | .444 |
| NOVEMBER | 168,000 | 567,540 | 372 | .248 |
| DECEMBER | 274,000 | 825,410 | 541 | .221 |
| JANUARY | 315,000 | 1,416,140 | 929 | .330 |
| FEBRUARY | 383,000 | 1,179,800 | 774 | .226 |
| MARCH | 339,000 | 987,440 | 648 | .214 |
| APRIL | 109,000 | 13,130 | 9 | .009 |
| MAY | 241,000 | 657,920 | 432 | .201 |
| JUNE | 133,000 | 185,660 | 122 | .103 |
| JULY | 81,200 | 41,490 | 27 | .038 |
| AUGUST | 41,500 | 3,090 | 2 | .005 |
| SEPTEMBER | 27,600 | 1,930 | 1 | .005 |
| SUMMARY | 3,272,300 | 13,420,002 | 8,803 | .301 |

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|----------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 164,000 | 67,970 | 45 | .030 |
| NOVEMBER | 65,500 | 5,950 | 4 | .007 |
| DECEMBER | 59,000 | 7,010 | 5 | .009 |
| JANUARY | 149,000 | 244,130 | 160 | .120 |
| FEBRUARY | 84,400 | 135,260 | 89 | .118 |
| MARCH | 142,000 | 303,790 | 199 | .157 |
| APRIL | 69,000 | 37,960 | 25 | .040 |
| MAY | 248,000 | 1,522,130 | 998 | .451 |
| JUNE | 103,000 | 133,970 | 88 | .096 |
| JULY | 35,000 | 38,010 | 25 | .060 |
| AUGUST ^{2/} | 60,900 | 276,610 | 181 | .334 |
| SEPTEMBER | 45,900 | | | |
| SUMMARY | 1,226,000 | | | |

^{1/} Station was established at Columbus August 3, 1930

^{2/} Station was discontinued at Columbus August 31, 1933

COLORADO RIVER WATERSHED

COLUMBUS-EAGLE LAKE STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 106,900 | | | |
| NOVEMBER | 47,260 | | | |
| DECEMBER 1/ | 111,000 | 68,430 | 45 | .045 |
| JANUARY | 413,200 | 1,533,130 | 1,006 | .273 |
| FEBRUARY | 156,800 | 69,910 | 46 | .033 |
| MARCH | 90,980 | 3,290 | 2 | .003 |
| APRIL | 427,600 | 1,489,700 | 977 | .256 |
| MAY | 286,500 | 446,520 | 293 | .114 |
| JUNE | 131,700 | 33,210 | 22 | .014 |
| JULY | 1,581,000 | 6,735,590 | 4,418 | .313 |
| AUGUST | 616,900 | 1,410,210 | 925 | .168 |
| SEPTEMBER | 96,910 | 1,620 | 1 | .001 |
| SUMMARY | 4,067,000 | | | |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 116,100 | 52,330 | 34 | .033 |
| NOVEMBER | 80,600 | 17,600 | 12 | .016 |
| DECEMBER | 70,200 | 9,920 | 7 | .010 |
| JANUARY | 64,960 | 9,670 | 6 | .011 |
| FEBRUARY | 97,590 | 21,260 | 14 | .016 |
| MARCH | 78,100 | 10,680 | 7 | .010 |
| APRIL | 126,800 | 78,510 | 51 | .045 |
| MAY | 135,000 | 91,240 | 60 | .050 |
| JUNE | 319,300 | 435,370 | 286 | .100 |
| JULY | 764,300 | 3,650,810 | 2,395 | .351 |
| AUGUST | 91,850 | 5,150 | 3 | .004 |
| SEPTEMBER | 93,680 | 4,880 | 3 | .004 |
| SUMMARY | 2,038,000 | 4,387,420 | 2,878 | .158 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 59,630 | 210 | | |
| NOVEMBER | 48,690 | 640 | | .001 |
| DECEMBER | 53,050 | 2,400 | 2 | .003 |
| JANUARY | 70,850 | 6,310 | 4 | .007 |
| FEBRUARY | 84,750 | 28,610 | 19 | .025 |
| MARCH | 63,630 | 8,200 | 5 | .009 |
| APRIL | 78,100 | 6,180 | 4 | .006 |
| MAY | 108,900 | 16,710 | 11 | .011 |
| JUNE | 182,200 | 34,452 | 23 | .014 |
| JULY | 248,100 | 112,490 | 74 | .033 |
| AUGUST | 86,480 | 12,140 | 8 | .010 |
| SEPTEMBER | 58,660 | 3,960 | 3 | .005 |
| SUMMARY | 1,143,000 | 232,302 | 151 | .015 |

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 126,200 | 123,100 | 81 | .072 |
| NOVEMBER | 586,900 | 1,554,610 | 1,020 | .195 |
| DECEMBER | 570,600 | 1,425,040 | 935 | .183 |
| JANUARY | 252,100 | 196,940 | 129 | .057 |
| FEBRUARY | 313,000 | 263,880 | 173 | .062 |
| MARCH | 556,000 | 820,870 | 538 | .108 |
| APRIL | 785,400 | 1,794,090 | 1,177 | .168 |
| MAY | 1,447,000 | 3,783,340 | 2,481 | .192 |
| JUNE | 1,106,000 | 4,175,390 | 2,739 | .277 |
| JULY | 484,800 | 772,510 | 507 | .117 |
| AUGUST | 138,900 | 52,370 | 34 | .028 |
| SEPTEMBER | 109,900 | 33,910 | 22 | .023 |
| SUMMARY | 6,477,000 | 14,996,050 | 9,836 | .170 |

1/ Station was established at Eagle Lake December 1, 1937

COLORADO RIVER WATERSHED

COLUMBUS-EAGLE LAKE STATION ON THE COLORADO RIVER - CONTINUED

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER 1/ | 178,100 | 86,990 | 57 | .036 |
| NOVEMBER | 80,490 | | | |
| DECEMBER | 94,690 | | | |
| JANUARY | 87,490 | | | |
| FEBRUARY | 82,350 | | | |
| MARCH | 75,870 | | | |
| APRIL | 272,800 | | | |
| MAY | 80,070 | | | |
| JUNE | 96,790 | | | |
| JULY | 227,700 | | | |
| AUGUST | 100,900 | | | |
| SEPTEMBER | 153,500 | | | |
| SUMMARY | 1,531,000 | | | |

1/ Station was discontinued at Eagle Lake October 31, 1941

LAVACA RIVER WATERSHED

EDNA STATION ON THE LAVACA RIVER

Net Drainage Area: 887 sq. mi.

Location: U. S. Highway 59 bridge, 2.8 miles southwest of Edna

Records Available: September 1, 1945 to date

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 2,160 | | | |
| NOVEMBER | 6,070 | | | |
| DECEMBER | 9,920 | | | |
| JANUARY | 22,590 | | | |
| FEBRUARY | 6,300 | | | |
| MARCH | 7,820 | | | |
| APRIL | 36,740 | | | |
| MAY | 3,410 | | | |
| JUNE | 7,850 | | | |
| JULY | 1,980 | | | |
| AUGUST | 2,630 | | | |
| SEPTEMBER 1/ | 980 | 570 | | .043 |
| SUMMARY | 108,400 | | | |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 86,850 | 34,500 | 23 | .029 |
| NOVEMBER | 39,390 | 36,770 | 24 | .069 |
| DECEMBER | 10,810 | 8,220 | 5 | .056 |
| JANUARY | 39,060 | 27,090 | 18 | .051 |
| FEBRUARY | 6,780 | 4,430 | 3 | .048 |
| MARCH | 12,650 | 13,370 | 9 | .078 |
| APRIL | 10,150 | 4,730 | 3 | .034 |
| MAY | 35,940 | 62,990 | 41 | .129 |
| JUNE | 4,100 | 200 | | .004 |
| JULY | 2,010 | 220 | | .008 |
| AUGUST | 1,610 | 260 | | .012 |
| SEPTEMBER | 994 | 70 | | .005 |
| SUMMARY | 250,300 | 192,850 | 126 | .057 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 2,600 | 1,680 | 1 | .047 |
| NOVEMBER | 1,210 | 290 | | .018 |
| DECEMBER | 1,990 | 1,110 | 1 | .041 |
| JANUARY | 5,090 | 4,690 | 3 | .041 |
| FEBRUARY | 27,790 | 59,430 | 39 | .157 |
| MARCH | 14,920 | 38,200 | 25 | .188 |
| APRIL | 6,380 | 10,820 | 7 | .125 |
| MAY | 10,130 | 19,430 | 13 | .141 |
| JUNE | 49,230 | 75,470 | 50 | .113 |
| JULY | 6,560 | 11,270 | 7 | .126 |
| AUGUST | 43,840 | 33,430 | 22 | .056 |
| SEPTEMBER | 96,590 | 71,420 | 47 | .054 |
| SUMMARY | 266,300 | 327,240 | 215 | .090 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 1,060 | 80 | | .006 |
| NOVEMBER | 2,080 | 770 | 1 | .027 |
| DECEMBER | 2,730 | 1,170 | 1 | .031 |
| JANUARY | 3,740 | 2,510 | 2 | .049 |
| FEBRUARY | 10,280 | 7,540 | 5 | .054 |
| MARCH | 9,560 | 8,960 | 6 | .069 |
| APRIL | 2,530 | 860 | 1 | .025 |
| MAY | 73,130 | 73,580 | 46 | .074 |
| JUNE | 4,290 | 630 | | .011 |
| JULY | 2,980 | 790 | 1 | .019 |
| AUGUST | 716 | 90 | | .009 |
| SEPTEMBER | 1,160 | 1,220 | 1 | .077 |
| SUMMARY | 114,300 | 98,200 | 66 | .063 |

1/ Station was established September 1, 1945

LAVACA RIVER WATERSHED

EDNA STATION ON THE LAVACA RIVER - CONTINUED

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 695 | 50 | | .005 |
| NOVEMBER | 813 | 40 | | .004 |
| DECEMBER | 988 | 40 | | .003 |
| JANUARY | 2,280 | 1,970 | 1 | .063 |
| FEBRUARY | 9,910 | 37,120 | 24 | .275 |
| MARCH | 4,400 | 6,140 | 4 | .103 |
| APRIL | 62,150 | 125,950 | 83 | .149 |
| MAY | 9,460 | 17,150 | 11 | .133 |
| JUNE | 3,670 | 2,650 | 2 | .053 |
| JULY | 4,080 | 7,270 | 5 | .131 |
| AUGUST | 5,300 | 5,260 | 3 | .073 |
| SEPTEMBER | 2,090 | 1,760 | 1 | .062 |
| SUMMARY | 105,800 | 205,400 | 134 | .143 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 316 | 50 | | .011 |
| NOVEMBER | 337 | 20 | | .004 |
| DECEMBER | 669 | 40 | | .004 |
| JANUARY | 908 | 50 | | .004 |
| FEBRUARY | 996 | 40 | | .003 |
| MARCH | 1,200 | 110 | | .007 |
| APRIL | 941 | 650 | | .051 |
| MAY | 697 | 90 | | .009 |
| JUNE | 19,170 | 37,580 | 25 | .144 |
| JULY | 417 | 40 | | .007 |
| AUGUST | 118 | 10 | | .006 |
| SEPTEMBER | 8,420 | 15,550 | 10 | .136 |
| SUMMARY | 34,190 | 54,230 | 35 | .117 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 23,720 | 44,470 | 29 | .138 |
| NOVEMBER | 2,280 | 140 | | .005 |
| DECEMBER | 27,140 | 27,180 | 18 | .074 |
| JANUARY | 7,120 | 4,180 | 3 | .043 |
| FEBRUARY | 5,940 | 3,610 | 2 | .045 |
| MARCH | 2,670 | 380 | | .010 |
| APRIL | 6,650 | 14,510 | 10 | .160 |
| MAY | 4,850 | 12,220 | 8 | .185 |
| JUNE | 8,010 | 11,320 | 7 | .104 |
| JULY | 1,760 | 1,420 | 1 | .059 |
| AUGUST | 398 | 30 | | .006 |
| SEPTEMBER | 413 | 30 | | .005 |
| SUMMARY | 90,970 | 119,490 | 78 | .096 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,780 | 1,020 | 1 | .042 |
| NOVEMBER | 834 | 230 | | .020 |
| DECEMBER | 861 | 40 | | .003 |
| JANUARY | 673 | 40 | | .004 |
| FEBRUARY | 2,130 | 4,700 | 3 | .162 |
| MARCH | 1,480 | 180 | | .009 |
| APRIL | 14,300 | 17,960 | 12 | .092 |
| MAY | 79,630 | 56,060 | 37 | .052 |
| JUNE | 12,000 | 18,010 | 12 | .110 |
| JULY | 1,810 | 120 | | .005 |
| AUGUST | 1,220 | 270 | | .016 |
| SEPTEMBER | 1,030 | 310 | | .022 |
| SUMMARY | 117,700 | 98,940 | 65 | .062 |

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LAVACA RIVER WATERSHED

EDRA STATION ON THE LAVACA RIVER - CONTINUED

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 256 | | | |
| NOVEMBER | 17,100 | 17,620 | 12 | .077 |
| DECEMBER | 23,720 | 28,820 | 19 | .089 |
| JANUARY | 3,060 | 1,350 | 1 | .032 |
| FEBRUARY | 3,250 | 620 | | .014 |
| MARCH | 2,000 | 230 | | .008 |
| APRIL | 2,980 | 1,100 | 1 | .027 |
| MAY | 41,950 | 30,200 | 20 | .053 |
| JUNE | 1,620 | 70 | | .003 |
| JULY | 1,140 | 120 | | .008 |
| AUGUST | 14,270 | 11,820 | 8 | .061 |
| SEPTEMBER | 6,660 | 1,980 | 1 | .022 |
| SUMMARY | 118,000 | 93,930 | 62 | .058 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 97 | 2 | | .002 |
| NOVEMBER | 8 | | | |
| DECEMBER | 17 | | | |
| JANUARY | 598 | 107 | | .013 |
| FEBRUARY | 36,030 | 70,327 | 46 | .143 |
| MARCH | 968 | 65 | | .005 |
| APRIL | 1,900 | 2,478 | 2 | .096 |
| MAY | 42,710 | 59,801 | 39 | .103 |
| JUNE | 6,530 | 2,418 | 2 | .027 |
| JULY | 751 | 9 | | .001 |
| AUGUST | 9,290 | 7,756 | 5 | .061 |
| SEPTEMBER | 3,070 | 1,408 | 1 | .034 |
| SUMMARY | 102,000 | 144,371 | 95 | .104 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 1,590 | 950 | | .025 |
| NOVEMBER | 1,080 | 130 | | .009 |
| DECEMBER | 1,020 | 40 | | .003 |
| JANUARY | 994 | 40 | | .003 |
| FEBRUARY | 748 | 70 | | .007 |
| MARCH | 749 | 60 | | .006 |
| APRIL | 5,070 | 12,550 | 8 | .217 |
| MAY | 4,250 | 12,050 | 8 | .208 |
| JUNE | 370 | 30 | | .006 |
| JULY | 132 | 10 | | .006 |
| AUGUST | 322 | 70 | | .002 |
| SEPTEMBER | 452 | 170 | | .003 |
| SUMMARY | 16,770 | 25,770 | 16 | .113 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 310 | 22 | | .005 |
| NOVEMBER | 133 | 4 | | .002 |
| DECEMBER | 298 | 8 | | .002 |
| JANUARY | 343 | 56 | | .012 |
| FEBRUARY | 1,050 | 301 | | .021 |
| MARCH | 405 | 14 | | .003 |
| APRIL | 263 | 9 | | .003 |
| MAY | 502 | 403 | | .059 |
| JUNE | 56 | 5 | | .007 |
| JULY | 1,020 | 3,848 | 3 | .277 |
| AUGUST | 31 | 2 | | .005 |
| SEPTEMBER | 25 | | | |
| SUMMARY | 4,440 | 4,672 | 3 | .077 |

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LAVACA RIVER WATERSHED

EDRA STATION ON THE LAVACA RIVER - CONTINUED

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 58 | 2 | | .003 |
| NOVEMBER | | | | |
| DECEMBER | 2,010 | 7,778 | 3 | .284 |
| JANUARY | 3 | | | |
| FEBRUARY | 4,610 | 9,328 | 6 | .149 |
| MARCH | 27,470 | 61,648 | 40 | .165 |
| APRIL | 84,760 | 165,887 | 109 | .144 |
| MAY | 28,300 | 56,572 | 37 | .147 |
| JUNE | 18,450 | 31,056 | 20 | .124 |
| JULY | 947 | 58 | | .004 |
| AUGUST | 313 | 15 | | .004 |
| SEPTEMBER | 10,060 | 21,948 | 14 | .160 |
| SUMMARY | 177,000 | 354,292 | 231 | .147 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 14,080 | 6,791 | 4 | .035 |
| NOVEMBER | 3,970 | 891 | 1 | .016 |
| DECEMBER | 7,160 | 3,198 | 2 | .033 |
| JANUARY | 3,710 | 548 | | .011 |
| FEBRUARY | 64,920 | 27,801 | 18 | .031 |
| MARCH | 6,450 | 613 | | .007 |
| APRIL | 79,030 | 131,943 | 87 | .123 |
| MAY | 21,020 | 25,709 | 17 | .090 |
| JUNE | 8,380 | 15,654 | 10 | .137 |
| JULY | 3,630 | 992 | 1 | .020 |
| AUGUST | 4,380 | 5,356 | 4 | .090 |
| SEPTEMBER | 4,470 | 3,335 | 2 | .055 |
| SUMMARY | 221,200 | 222,831 | 146 | .074 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 117,100 | 189,960 | 125 | .119 |
| NOVEMBER | 68,900 | 74,311 | 49 | .079 |
| DECEMBER | 7,370 | 775 | 1 | .008 |
| JANUARY | 41,090 | 32,331 | 21 | .058 |
| FEBRUARY | 65,890 | 68,853 | 45 | .077 |
| MARCH | 10,220 | 1,601 | 1 | .012 |
| APRIL | 4,510 | 704 | | .011 |
| MAY | 23,790 | 23,544 | 15 | .073 |
| JUNE | 1,840 | 162 | | .006 |
| JULY | 7,460 | 11,118 | 7 | .109 |
| AUGUST | 919 | 57 | | .005 |
| SEPTEMBER | 23,060 | 29,253 | 19 | .093 |
| SUMMARY | 372,100 | 432,669 | 283 | .085 |

GUADALUPE RIVER WATERSHED

SPRING BRANCH STATION ON THE GUADALUPE RIVER

Net Drainage Area: 1,282 (Previously published as 1,432) sq. mi.

Location: Farm Road 311 bridge (previously designated as State Highway 46), about 2 miles southeast of Spring Branch

Records Available: January 1, 1942 to date

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 25,250 | | | |
| NOVEMBER | 13,110 | | | |
| DECEMBER | 11,250 | | | |
| JANUARY ^{1/} | 9,440 | 390 | | .003 |
| FEBRUARY | 7,910 | 450 | | .004 |
| MARCH | 7,610 | 300 | | .003 |
| APRIL | 38,820 | 101,150 | 66 | .191 |
| MAY | 51,350 | 47,540 | 31 | .068 |
| JUNE | 14,170 | 1,040 | 1 | .005 |
| JULY | 8,750 | 910 | 1 | .008 |
| AUGUST | 6,530 | 760 | 1 | .009 |
| SEPTEMBER | 22,570 | 11,610 | 8 | .038 |
| SUMMARY | 216,800 | | | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 4,370 | 920 | 1 | .015 |
| NOVEMBER | 3,760 | 350 | | .007 |
| DECEMBER | 5,480 | 350 | | .005 |
| JANUARY | 9,070 | 1,960 | 1 | .016 |
| FEBRUARY | 14,040 | 20,200 | 13 | .106 |
| MARCH | 30,710 | 41,060 | 26 | .098 |
| APRIL | 17,450 | 4,300 | 3 | .018 |
| MAY | 102,200 | 248,460 | 163 | .179 |
| JUNE | 37,880 | 9,420 | 6 | .018 |
| JULY | 11,640 | 2,410 | 2 | .015 |
| AUGUST | 17,640 | 59,570 | 39 | .248 |
| SEPTEMBER | 18,610 | 12,650 | 8 | .050 |
| SUMMARY | 272,800 | 401,650 | 262 | .108 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 29,480 | 30,650 | 20 | .076 |
| NOVEMBER | 16,850 | 2,810 | 2 | .012 |
| DECEMBER | 14,320 | 920 | 1 | .005 |
| JANUARY | 12,750 | 630 | | .004 |
| FEBRUARY | 9,120 | 490 | | .004 |
| MARCH | 9,890 | 820 | 1 | .006 |
| APRIL | 10,960 | 3,970 | 3 | .027 |
| MAY | 7,790 | 2,670 | 2 | .025 |
| JUNE | 17,490 | 27,410 | 18 | .115 |
| JULY | 8,610 | 6,690 | 4 | .057 |
| AUGUST | 2,930 | 960 | 1 | .024 |
| SEPTEMBER | 5,420 | 1,610 | 1 | .022 |
| SUMMARY | 145,600 | 79,630 | 53 | .040 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 15,730 | 11,590 | 8 | .054 |
| NOVEMBER | 10,440 | 2,410 | 2 | .017 |
| DECEMBER | 29,660 | 13,660 | 9 | .034 |
| JANUARY | 45,040 | 26,630 | 17 | .043 |
| FEBRUARY | 42,270 | 12,010 | 8 | .021 |
| MARCH | 59,010 | 68,340 | 45 | .085 |
| APRIL | 43,180 | 14,880 | 10 | .025 |
| MAY | 18,720 | 2,630 | 2 | .010 |
| JUNE | 11,150 | 3,570 | 2 | .024 |
| JULY | 9,250 | 4,680 | 3 | .037 |
| AUGUST | 5,820 | 7,780 | 5 | .098 |
| SEPTEMBER | 14,590 | 22,650 | 15 | .114 |
| SUMMARY | 304,900 | 190,830 | 126 | .046 |

1/ Station was established January 1, 1942

GUADALUPE RIVER WATERSHED

SPRING BRANCH STATION ON THE GUADALUPE RIVER - CONTINUED

WATER YEAR 1946

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 20,210 | 16,380 | 11 | .060 | OCTOBER | 3,390 | 250 | | .005 |
| NOVEMBER | 9,290 | 1,660 | 1 | .013 | NOVEMBER | 4,530 | 330 | | .005 |
| DECEMBER | 23,640 | 27,640 | 18 | .009 | DECEMBER | 5,610 | 260 | | .003 |
| JANUARY | 14,640 | 2,960 | 2 | .015 | JANUARY | 5,160 | 170 | | .002 |
| FEBRUARY | 17,170 | 6,510 | 4 | .028 | FEBRUARY | 5,510 | 250 | | .003 |
| MARCH | 19,110 | 9,080 | 6 | .035 | MARCH | 5,450 | 210 | | .003 |
| APRIL | 14,480 | 3,420 | 2 | .017 | APRIL | 5,310 | 700 | | .010 |
| MAY | 29,970 | 47,120 | 31 | .012 | MAY | 4,600 | 650 | | .010 |
| JUNE | 13,920 | 3,790 | 2 | .020 | JUNE | 9,910 | 59,680 | 37 | .413 |
| JULY | 5,480 | 560 | | .008 | JULY | 5,500 | 1,150 | 1 | .015 |
| AUGUST | 3,340 | 440 | | .010 | AUGUST | 2,150 | 250 | | .009 |
| SEPTEMBER | 13,830 | 29,140 | 19 | .015 | SEPTEMBER | 2,330 | 210 | | .007 |
| SUMMARY | 185,100 | 148,700 | 96 | .059 | SUMMARY | 59,450 | 60,110 | 38 | .074 |

WATER YEAR 1947

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 23,940 | 12,080 | 8 | .037 | OCTOBER | 3,500 | 2,210 | 1 | .046 |
| NOVEMBER | 45,110 | 48,380 | 32 | .079 | NOVEMBER | 2,640 | 100 | | .003 |
| DECEMBER | 27,470 | 7,350 | 5 | .020 | DECEMBER | 3,220 | 100 | | .002 |
| JANUARY | 59,290 | 6,860 | 5 | .008 | JANUARY | 4,240 | 290 | | .005 |
| FEBRUARY | 33,610 | 3,330 | 2 | .007 | FEBRUARY | 20,950 | 18,670 | 12 | .065 |
| MARCH | 26,570 | 2,860 | 2 | .008 | MARCH | 13,200 | 1,270 | 1 | .007 |
| APRIL | 24,680 | 2,900 | 2 | .009 | APRIL | 23,920 | 13,260 | 9 | .041 |
| MAY | 21,180 | 2,430 | 2 | .008 | MAY | 18,420 | 8,780 | 6 | .035 |
| JUNE | 26,440 | 40,220 | 26 | .112 | JUNE | 10,140 | 1,370 | 1 | .010 |
| JULY | 10,440 | 840 | 1 | .006 | JULY | 4,840 | 200 | | .003 |
| AUGUST | 5,740 | 680 | | .009 | AUGUST | 7,880 | 1,230 | 1 | .011 |
| SEPTEMBER | 3,490 | 110 | | .002 | SEPTEMBER | 6,670 | 2,760 | 2 | .030 |
| SUMMARY | 308,000 | 128,040 | 85 | .031 | SUMMARY | 119,600 | 50,240 | 33 | .031 |

GUADALUPE RIVER WATERSHED

SPRING BRANCH STATION ON THE GUADALUPE RIVER - CONTINUED

WATER YEAR 1950

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 4,770 | 410 | | .006 | OCTOBER | 363 | 10 | | .002 |
| NOVEMBER | 4,190 | 350 | | .006 | NOVEMBER | 1,250 | 50 | | .003 |
| DECEMBER | 4,850 | 390 | | .006 | DECEMBER | 2,220 | 140 | | .005 |
| JANUARY | 5,280 | 740 | | .010 | JANUARY | 1,970 | 150 | | .006 |
| FEBRUARY | 5,920 | 430 | | .005 | FEBRUARY | 1,800 | 160 | | .007 |
| MARCH | 4,940 | 490 | | .007 | MARCH | 2,480 | 150 | | .004 |
| APRIL | 6,700 | 2,800 | 2 | .031 | APRIL | 6,540 | 1,200 | 1 | .013 |
| MAY | 11,260 | 23,360 | 15 | .152 | MAY | 20,350 | 26,140 | 17 | .094 |
| JUNE | 6,330 | 1,530 | 1 | .018 | JUNE | 9,140 | 4,050 | 3 | .032 |
| JULY | 5,000 | 3,690 | 2 | .054 | JULY | 2,210 | 260 | | .009 |
| AUGUST | 1,910 | 150 | | .006 | AUGUST | 436 | 20 | | .003 |
| SEPTEMBER | 2,530 | 90 | | .003 | SEPTEMBER | 126,100 | 688,220 | 451 | .401 |
| SUMMARY | 63,680 | 34,430 | 20 | .040 | SUMMARY | 174,900 | 720,550 | 472 | .303 |

WATER YEAR 1951

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 2,010 | 190 | | .007 | OCTOBER | 4,650 | 210 | | .003 |
| NOVEMBER | 2,140 | 160 | | .005 | NOVEMBER | 4,670 | 250 | | .004 |
| DECEMBER | 2,960 | 160 | | .004 | DECEMBER | 11,500 | 1,810 | 1 | .012 |
| JANUARY | 2,950 | 150 | | .004 | JANUARY | 10,030 | 850 | 1 | .006 |
| FEBRUARY | 2,980 | 190 | | .005 | FEBRUARY | 5,960 | 200 | | .002 |
| MARCH | 5,070 | 900 | 1 | .013 | MARCH | 6,700 | 750 | | .008 |
| APRIL | 3,930 | 520 | | .010 | APRIL | 4,960 | 440 | | .007 |
| MAY | 11,170 | 10,250 | 7 | .067 | MAY | 2,770 | 460 | | .012 |
| JUNE | 7,090 | 2,220 | 1 | .023 | JUNE | 617 | 90 | | .011 |
| JULY | 821 | 90 | | .008 | JULY | 967 | 160 | | .012 |
| AUGUST | 56 | | | | AUGUST | 980 | 110 | | .008 |
| SEPTEMBER | 54 | | | | SEPTEMBER | 14,720 | 23,700 | 16 | .118 |
| SUMMARY | 41,230 | 14,830 | 9 | .026 | SUMMARY | 68,520 | 29,030 | 18 | .031 |

GUADALUPE RIVER WATERSHED

SPRING BRANCH STATION ON THE GUADALUPE RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 5,270 | 230 | | .003 |
| NOVEMBER | 3,660 | 190 | | .004 |
| DECEMBER | 3,750 | 120 | | .002 |
| JANUARY | 3,700 | 210 | | .004 |
| FEBRUARY | 2,590 | 170 | | .005 |
| MARCH | 2,250 | 190 | | .006 |
| APRIL | 1,530 | 70 | | .003 |
| MAY | 7,270 | 22,500 | 15 | .227 |
| JUNE | 731 | 90 | | .009 |
| JULY | 33 | | | |
| AUGUST | 16 | | | |
| SEPTEMBER | 17 | | | |
| SUMMARY | 30,820 | 23,770 | 15 | .057 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 874 | 47 | | .004 |
| NOVEMBER | 809 | 22 | | .002 |
| DECEMBER | 1,430 | 39 | | .002 |
| JANUARY | 1,510 | 41 | | .002 |
| FEBRUARY | 1,680 | 46 | | .002 |
| MARCH | 1,040 | 28 | | .002 |
| APRIL | 364 | 10 | | .002 |
| MAY | 1,190 | 57 | | .004 |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | 348 | 548 | | .116 |
| SEPTEMBER | 408 | 33 | | .006 |
| SUMMARY | 9,650 | 871 | | .007 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1,680 | 504 | | .022 |
| NOVEMBER | 1,170 | 171 | | .011 |
| DECEMBER | 1,180 | 32 | | .002 |
| JANUARY | 2,430 | 99 | | .003 |
| FEBRUARY | 4,190 | 1,122 | 1 | .020 |
| MARCH | 1,780 | 73 | | .003 |
| APRIL | 957 | 39 | | .003 |
| MAY | 8,460 | 3,435 | 2 | .030 |
| JUNE | 2,310 | 691 | | .022 |
| JULY | 8,500 | 29,487 | 19 | .255 |
| AUGUST | 2,330 | 380 | | .012 |
| SEPTEMBER | 919 | 21 | | .002 |
| SUMMARY | 35,910 | 36,054 | 22 | .074 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 416 | 133 | | .023 |
| NOVEMBER | 699 | 590 | | .066 |
| DECEMBER | 398 | 11 | | .002 |
| JANUARY | 671 | 18 | | .002 |
| FEBRUARY | 1,950 | 587 | | .022 |
| MARCH | 16,140 | 33,252 | 22 | .151 |
| APRIL | 87,960 | 672,082 | 441 | .561 |
| MAY | 43,560 | 74,165 | 49 | .120 |
| JUNE | 36,750 | 41,523 | 27 | .083 |
| JULY | 4,100 | 178 | | .003 |
| AUGUST | 1,210 | 71 | | .003 |
| SEPTEMBER | 16,290 | 50,774 | 33 | .229 |
| SUMMARY | 212,500 | 873,384 | 572 | .302 |

GUADALUPE RIVER WATERSHED

SPRING BRANCH STATION ON THE GUADALUPE RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 85,520 | 259,898 | 170 | .023 | OCTOBER | 23,160 | 1,253 | 1 | .004 |
| NOVEMBER | 44,080 | 3,089 | 2 | .005 | NOVEMBER | 28,940 | 539 | | .001 |
| DECEMBER | 29,660 | 1,786 | 1 | .004 | DECEMBER | 18,630 | 242 | | .001 |
| JANUARY | 46,580 | 4,454 | 3 | .007 | JANUARY | 14,200 | 186 | | .001 |
| FEBRUARY | 61,010 | 26,365 | 17 | .032 | FEBRUARY | 12,700 | 571 | | .003 |
| MARCH | 66,170 | 8,050 | 5 | .009 | MARCH | 10,910 | 152 | | .001 |
| APRIL | 30,830 | 2,735 | 2 | .007 | APRIL | 18,340 | 2,382 | 2 | .010 |
| MAY | 104,500 | 240,806 | 158 | .169 | MAY | 13,530 | 266 | | .001 |
| JUNE | 40,290 | 76,956 | 50 | .140 | JUNE | 36,860 | 40,745 | 27 | .081 |
| JULY | 16,290 | 473 | | .002 | JULY | 15,200 | 332 | | .002 |
| AUGUST | 7,080 | 109 | | .001 | AUGUST | 7,380 | 482 | | .005 |
| SEPTEMBER | 40,210 | 50,715 | 33 | .093 | SEPTEMBER | 4,970 | 91 | | .001 |
| SUMMARY | 572,200 | 675,436 | 441 | .087 | SUMMARY | 204,800 | 47,241 | 30 | .017 |

GUADALUPE RIVER WATERSHED

VICTORIA STATION ON THE GUADALUPE RIVER

Net Drainage Area: 5,161 (Previously published as 5,311) sq. mi.

Location: U. S. Highway 59 bridge in Victoria

Records Available: September 1, 1945 to date

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 53,040 | | | |
| NOVEMBER | 74,960 | | | |
| DECEMBER | 131,000 | | | |
| JANUARY | 198,900 | | | |
| FEBRUARY | 180,900 | | | |
| MARCH | 169,800 | | | |
| APRIL | 331,500 | | | |
| MAY | 93,540 | | | |
| JUNE | 79,540 | | | |
| JULY | 56,520 | | | |
| AUGUST | 43,590 | | | |
| SEPTEMBER ^{1/} | 38,430 | 19,490 | 13 | .037 |
| SUMMARY | 1,452,000 | | | |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 254,400 | 117,510 | 77 | .034 |
| NOVEMBER | 218,100 | 173,100 | 114 | .058 |
| DECEMBER | 137,800 | 31,680 | 21 | .017 |
| JANUARY | 220,500 | 90,550 | 59 | .030 |
| FEBRUARY | 118,900 | 19,120 | 13 | .012 |
| MARCH | 133,000 | 83,340 | 55 | .046 |
| APRIL | 130,000 | 78,690 | 52 | .044 |
| MAY | 132,800 | 100,850 | 66 | .056 |
| JUNE | 69,420 | 13,210 | 9 | .014 |
| JULY | 55,790 | 11,400 | 8 | .015 |
| AUGUST | 83,070 | 52,540 | 34 | .046 |
| SEPTEMBER | 41,240 | 5,700 | 4 | .010 |
| SUMMARY | 1,595,000 | 777,690 | 512 | .036 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 77,990 | 50,380 | 33 | .047 |
| NOVEMBER | 47,730 | 16,440 | 11 | .025 |
| DECEMBER | 63,730 | 28,400 | 19 | .033 |
| JANUARY | 77,710 | 51,200 | 34 | .048 |
| FEBRUARY | 102,500 | 96,380 | 64 | .069 |
| MARCH | 189,700 | 216,580 | 142 | .084 |
| APRIL | 91,740 | 54,010 | 35 | .043 |
| MAY | 127,100 | 85,470 | 56 | .049 |
| JUNE | 139,700 | 81,230 | 53 | .043 |
| JULY | 49,660 | 5,490 | 4 | .008 |
| AUGUST | 64,260 | 33,300 | 22 | .038 |
| SEPTEMBER | 287,700 | 229,750 | 151 | .059 |
| SUMMARY | 1,320,000 | 949,130 | 624 | .053 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 35,860 | 4,210 | 3 | .009 |
| NOVEMBER | 37,940 | 2,560 | 2 | .005 |
| DECEMBER | 44,240 | 7,720 | 5 | .013 |
| JANUARY | 41,160 | 2,220 | 1 | .004 |
| FEBRUARY | 47,400 | 10,930 | 7 | .017 |
| MARCH | 47,240 | 8,620 | 6 | .013 |
| APRIL | 32,860 | 5,280 | 3 | .012 |
| MAY | 86,920 | 80,640 | 53 | .068 |
| JUNE | 33,380 | 5,990 | 4 | .013 |
| JULY | 45,760 | 9,820 | 6 | .016 |
| AUGUST | 33,690 | 29,260 | 19 | .064 |
| SEPTEMBER | 23,520 | 2,310 | 2 | .007 |
| SUMMARY | 510,000 | 169,560 | 111 | .024 |

^{1/} Station was established September 1, 1945

GUADALUPE RIVER WATERSHED

VICTORIA STATION ON THE GUADALUPE RIVER - CONTINUED

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 28,650 | 3,380 | 2 | .009 |
| NOVEMBER | 23,600 | 1,440 | 1 | .004 |
| DECEMBER | 26,240 | 2,220 | 1 | .006 |
| JANUARY | 30,010 | 1,830 | 1 | .004 |
| FEBRUARY | 55,580 | 61,870 | 41 | .082 |
| MARCH | 96,340 | 79,010 | 52 | .060 |
| APRIL | 244,000 | 306,170 | 201 | .092 |
| MAY | 170,200 | 113,410 | 74 | .049 |
| JUNE | 67,270 | 15,240 | 10 | .017 |
| JULY | 54,910 | 13,460 | 9 | .018 |
| AUGUST | 40,620 | 5,250 | 3 | .009 |
| SEPTEMBER | 34,220 | 4,170 | 3 | .009 |
| SUMMARY | 871,600 | 607,450 | 398 | .051 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 21,800 | 1,700 | 1 | .006 |
| NOVEMBER | 21,040 | 1,960 | 1 | .007 |
| DECEMBER | 25,120 | 1,590 | 1 | .005 |
| JANUARY | 24,170 | 1,390 | 1 | .004 |
| FEBRUARY | 23,530 | 1,380 | 1 | .004 |
| MARCH | 26,280 | 1,160 | 1 | .003 |
| APRIL | 27,090 | 1,480 | 1 | .004 |
| MAY | 34,690 | 4,580 | 3 | .010 |
| JUNE | 135,600 | 193,980 | 127 | .105 |
| JULY | 19,060 | 2,260 | 1 | .009 |
| AUGUST | 11,430 | 680 | | .004 |
| SEPTEMBER | 22,340 | 2,970 | 2 | .010 |
| SUMMARY | 392,200 | 215,130 | 140 | .040 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 167,900 | 210,600 | 138 | .092 |
| NOVEMBER | 50,820 | 9,050 | 6 | .013 |
| DECEMBER | 60,920 | 18,120 | 12 | .022 |
| JANUARY | 43,500 | 4,690 | 3 | .008 |
| FEBRUARY | 49,980 | 6,780 | 4 | .010 |
| MARCH | 41,510 | 5,580 | 4 | .010 |
| APRIL | 76,460 | 75,430 | 49 | .072 |
| MAY | 55,990 | 15,400 | 10 | .020 |
| JUNE | 139,200 | 77,280 | 51 | .041 |
| JULY | 36,140 | 5,050 | 3 | .010 |
| AUGUST | 22,650 | 1,190 | 1 | .004 |
| SEPTEMBER | 22,680 | 860 | 1 | .003 |
| SUMMARY | 767,800 | 430,030 | 282 | .041 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 14,640 | 1,320 | 1 | .007 |
| NOVEMBER | 18,720 | 1,860 | 1 | .007 |
| DECEMBER | 20,050 | 2,200 | 1 | .008 |
| JANUARY | 20,680 | 2,090 | 1 | .007 |
| FEBRUARY | 23,080 | 3,320 | 2 | .011 |
| MARCH | 20,570 | 3,590 | 2 | .013 |
| APRIL | 35,110 | 7,380 | 5 | .015 |
| MAY | 83,010 | 74,860 | 49 | .066 |
| JUNE | 80,640 | 59,800 | 39 | .054 |
| JULY | 29,000 | 5,340 | 4 | .014 |
| AUGUST | 11,090 | 910 | 1 | .006 |
| SEPTEMBER | 237,600 | 253,300 | 166 | .078 |
| SUMMARY | 594,200 | 415,970 | 272 | .051 |

GUADALUPE RIVER WATERSHED

VICTORIA STATION ON THE GUADALUPE RIVER - CONTINUED

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 43,450 | 2,840 | 2 | .005 |
| NOVEMBER | 57,310 | 20,820 | 14 | .027 |
| DECEMBER | 115,900 | 98,310 | 64 | .062 |
| JANUARY | 101,600 | 45,080 | 30 | .033 |
| FEBRUARY | 46,310 | 3,590 | 2 | .006 |
| MARCH | 40,000 | 3,680 | 2 | .007 |
| APRIL | 43,490 | 5,580 | 4 | .009 |
| MAY | 156,900 | 187,410 | 123 | .088 |
| JUNE | 20,020 | 2,380 | 2 | .009 |
| JULY | 19,630 | 1,380 | 1 | .005 |
| AUGUST | 29,820 | 7,970 | 5 | .020 |
| SEPTEMBER | 103,000 | 51,810 | 34 | .037 |
| SUMMARY | 777,400 | 430,850 | 283 | .041 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 7,460 | 664 | | .007 |
| NOVEMBER | 11,930 | 975 | 1 | .006 |
| DECEMBER | 14,850 | 1,768 | 1 | .009 |
| JANUARY | 15,900 | 1,506 | 1 | .007 |
| FEBRUARY | 52,760 | 71,346 | 47 | .099 |
| MARCH | 20,230 | 1,772 | 1 | .006 |
| APRIL | 17,270 | 687 | | .003 |
| MAY | 47,400 | 27,390 | 18 | .042 |
| JUNE | 47,440 | 29,316 | 19 | .045 |
| JULY | 13,160 | 1,152 | 1 | .006 |
| AUGUST | 12,960 | 1,349 | 1 | .008 |
| SEPTEMBER | 9,400 | 1,299 | 1 | .010 |
| SUMMARY | 270,800 | 139,224 | 91 | .038 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 103,500 | 98,200 | 64 | .070 |
| NOVEMBER | 41,210 | 11,230 | 7 | .020 |
| DECEMBER | 54,460 | 16,130 | 11 | .022 |
| JANUARY | 35,770 | 2,830 | 2 | .006 |
| FEBRUARY | 28,050 | 1,380 | 1 | .004 |
| MARCH | 25,370 | 3,070 | 2 | .009 |
| APRIL | 28,770 | 4,210 | 3 | .011 |
| MAY | 43,170 | 32,810 | 22 | .056 |
| JUNE | 14,650 | 1,560 | 1 | .008 |
| JULY | 9,010 | 850 | 1 | .007 |
| AUGUST | 6,630 | 1,200 | 1 | .013 |
| SEPTEMBER | 6,380 | 450 | | .005 |
| SUMMARY | 397,000 | 173,920 | 115 | .032 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,150 | 251 | | .003 |
| NOVEMBER | 6,360 | 259 | | .003 |
| DECEMBER | 11,230 | 649 | | .004 |
| JANUARY | 11,970 | 541 | | .003 |
| FEBRUARY | 14,680 | 1,442 | 1 | .007 |
| MARCH | 9,720 | 623 | | .005 |
| APRIL | 9,350 | 1,048 | 1 | .008 |
| MAY | 13,800 | 3,140 | 2 | .017 |
| JUNE | 3,550 | 117 | | .002 |
| JULY | 3,310 | 197 | | .004 |
| AUGUST | 2,310 | 178 | | .006 |
| SEPTEMBER | 3,070 | 240 | | .006 |
| SUMMARY | 95,500 | 8,685 | 4 | .007 |

QUADALUPE RIVER WATERSHED

VICTORIA STATION ON THE QUADALUPE RIVER - CONTINUED

WATER YEAR 1957

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 10,070 | 8,191 | 5 | .060 | OCTOBER | 113,900 | 24,047 | 16 | .021 |
| NOVEMBER | 3,550 | 647 | | .013 | NOVEMBER | 132,600 | 29,824 | 20 | .017 |
| DECEMBER | 29,890 | 31,398 | 20 | .077 | DECEMBER | 89,180 | 3,418 | 2 | .003 |
| JANUARY | 7,270 | 1,879 | 1 | .019 | JANUARY | 78,150 | 3,790 | 2 | .004 |
| FEBRUARY | 22,780 | 13,854 | 9 | .045 | FEBRUARY | 109,200 | 24,142 | 14 | .016 |
| MARCH | 71,660 | 83,587 | 55 | .086 | MARCH | 80,030 | 8,236 | 5 | .008 |
| APRIL | 246,800 | 474,780 | 311 | .141 | APRIL | 196,600 | 190,225 | 125 | .071 |
| MAY | 427,600 | 486,558 | 319 | .084 | MAY | 103,000 | 25,912 | 17 | .018 |
| JUNE | 316,100 | 240,364 | 158 | .056 | JUNE | 67,380 | 5,823 | 4 | .006 |
| JULY | 41,590 | 3,234 | 2 | .006 | JULY | 79,300 | 24,502 | 16 | .023 |
| AUGUST | 21,850 | 1,431 | 1 | .005 | AUGUST | 50,770 | 4,166 | 3 | .006 |
| SEPTEMBER | 229,600 | 153,590 | 101 | .049 | SEPTEMBER | 43,980 | 3,700 | 2 | .006 |
| SUMMARY | 1,429,000 | 1,499,513 | 982 | .077 | SUMMARY | 1,144,000 | 347,785 | 228 | .022 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 488,500 | 348,710 | 229 | .052 |
| NOVEMBER | 250,500 | 101,512 | 67 | .030 |
| DECEMBER | 122,300 | 17,685 | 12 | .011 |
| JANUARY | 250,300 | 136,360 | 89 | .040 |
| FEBRUARY | 480,100 | 344,955 | 226 | .053 |
| MARCH | 241,200 | 79,901 | 52 | .024 |
| APRIL | 119,900 | 20,660 | 14 | .013 |
| MAY | 264,000 | 164,412 | 108 | .046 |
| JUNE | 105,000 | 17,866 | 12 | .012 |
| JULY | 76,720 | 8,406 | 6 | .008 |
| AUGUST | 45,680 | 2,366 | 2 | .004 |
| SEPTEMBER | 119,800 | 76,869 | 50 | .047 |
| SUMMARY | 2,564,000 | 1,319,702 | 867 | .038 |

SAN ANTONIO RIVER WATERSHED

FALLS CITY STATION ON THE SAN ANTONIO RIVER

Net Drainage Area: 2,071 (Previously published as 2,070) sq. mi.
Location: Falls City-Campbellton Highway bridge 3.4 miles southwest of Falls City
Records Available: September 13, 1927 to August 31, 1933

WATER YEAR 1927

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 6,200 | | | |
| NOVEMBER | 7,250 | | | |
| DECEMBER | 9,160 | | | |
| JANUARY | 9,240 | | | |
| FEBRUARY | 9,370 | | | |
| MARCH | 12,200 | | | |
| APRIL | 13,100 | | | |
| MAY | 7,800 | | | |
| JUNE | 21,700 | | | |
| JULY | 5,670 | | | |
| AUGUST | 3,840 | | | |
| SEPTEMBER ^{1/} | 5,030 | 1,080 | 1 | .027 |
| SUMMARY | 110,600 | | | |

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 7,690 | 6,780 | 4 | .065 |
| NOVEMBER | 12,400 | 25,730 | 17 | .152 |
| DECEMBER | 9,650 | 5,710 | 4 | .043 |
| JANUARY | 7,930 | 2,270 | 1 | .021 |
| FEBRUARY | 6,660 | 390 | | .004 |
| MARCH | 10,000 | 21,050 | 14 | .155 |
| APRIL | 11,800 | 39,340 | 26 | .245 |
| MAY | 81,800 | 398,150 | 261 | .358 |
| JUNE | 13,800 | 27,320 | 18 | .145 |
| JULY | 14,100 | 10,890 | 7 | .057 |
| AUGUST | 4,590 | 370 | | .006 |
| SEPTEMBER | 6,430 | 680 | | .008 |
| SUMMARY | 186,800 | 538,680 | 352 | .212 |

WATER YEAR 1928

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 10,700 | 14,700 | 10 | .101 |
| NOVEMBER | 4,090 | 36 | | .001 |
| DECEMBER | 7,190 | 530 | | .005 |
| JANUARY | 7,440 | 790 | 1 | .008 |
| FEBRUARY | 5,810 | 530 | | .007 |
| MARCH | 9,960 | 10,160 | 7 | .075 |
| APRIL | 8,090 | 9,940 | 7 | .090 |
| MAY | 20,500 | 107,360 | 70 | .385 |
| JUNE | 17,000 | 105,380 | 69 | .455 |
| JULY | 5,400 | 830 | 1 | .011 |
| AUGUST | 3,190 | 150 | | .003 |
| SEPTEMBER | 10,200 | 15,760 | 10 | .114 |
| SUMMARY | 109,600 | 266,166 | 175 | .178 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 8,120 | 3,820 | 3 | .035 |
| NOVEMBER | 6,720 | 1,000 | 1 | .011 |
| DECEMBER | 9,220 | 2,480 | 2 | .020 |
| JANUARY | 8,670 | 200 | | .002 |
| FEBRUARY | 7,160 | 1,240 | 1 | .013 |
| MARCH | 8,120 | 490 | | .004 |
| APRIL | 7,740 | 960 | 1 | .009 |
| MAY | 12,100 | 25,520 | 17 | .155 |
| JUNE | 12,600 | 23,060 | 15 | .134 |
| JULY | 6,460 | 1,400 | 1 | .016 |
| AUGUST | 3,540 | 69 | | .001 |
| SEPTEMBER | 3,430 | 400 | | .009 |
| SUMMARY | 93,880 | 60,639 | 41 | .047 |

^{1/} Station was established September 13, 1927

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SAN ANTONIO RIVER WATERBED

FALLS CITY STATION ON THE SAN ANTONIO RIVER - CONTINUED

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,050 | 1,770 | 1 | .021 |
| NOVEMBER | 6,070 | 550 | | .007 |
| DECEMBER | 5,260 | 81 | | .001 |
| JANUARY | 12,500 | 15,730 | 10 | .092 |
| FEBRUARY | 10,400 | 2,550 | 2 | .018 |
| MARCH | 21,900 | 108,070 | 71 | .363 |
| APRIL | 10,400 | 3,390 | 2 | .024 |
| MAY | 12,600 | 4,580 | 3 | .027 |
| JUNE | 9,400 | 1,740 | 1 | .014 |
| JULY | 17,500 | 21,180 | 14 | .089 |
| AUGUST | 7,990 | 620 | | .006 |
| SEPTEMBER | 6,310 | 460 | | .005 |
| SUMMARY | 126,400 | 160,721 | 104 | .093 |

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 12,500 | 6,690 | 4 | .039 |
| NOVEMBER | 9,580 | 680 | | .005 |
| DECEMBER | 10,800 | 820 | 1 | .006 |
| JANUARY | 10,000 | 1,250 | 1 | .009 |
| FEBRUARY | 12,200 | 1,680 | 1 | .010 |
| MARCH | 9,780 | 1,240 | 1 | .009 |
| APRIL | 8,570 | 9,730 | 6 | .083 |
| MAY | 12,100 | 27,360 | 18 | .166 |
| JUNE | 10,000 | 12,060 | 8 | .089 |
| JULY | 13,000 | 84,800 | 56 | .479 |
| AUGUST 1/ | 9,780 | 12,240 | 8 | .092 |
| SEPTEMBER | 9,640 | | | |
| SUMMARY | 128,000 | | | |

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,490 | 570 | | .008 |
| NOVEMBER | 7,320 | 540 | | .005 |
| DECEMBER | 9,040 | 810 | 1 | .007 |
| JANUARY | 13,800 | 15,210 | 10 | .081 |
| FEBRUARY | 12,900 | 11,040 | 7 | .063 |
| MARCH | 9,220 | 1,810 | 1 | .014 |
| APRIL | 8,270 | 5,350 | 4 | .048 |
| MAY | 10,800 | 24,140 | 16 | .164 |
| JUNE | 5,770 | 280 | | .004 |
| JULY | 10,000 | 7,460 | 5 | .055 |
| AUGUST | 7,500 | 4,920 | 3 | .048 |
| SEPTEMBER | 20,800 | 35,260 | 23 | .125 |
| SUMMARY | 120,900 | 107,390 | 70 | .065 |

1/ Station was discontinued August 31, 1933

SAN ANTONIO RIVER WATERSHED

GOLIAD STATION ON THE SAN ANTONIO RIVER

Net Drainage Area: 3,918 sq. mi.

Location: U. S. Highway 183 bridge, 1.3 miles southeast of courthouse in Goliad

Records Available: January 1, 1942 to date

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 34,150 | | | |
| NOVEMBER | 28,560 | | | |
| DECEMBER | 19,310 | | | |
| JANUARY ^{1/} | 17,460 | 2,150 | 1 | 009 |
| FEBRUARY | 17,280 | 3,320 | 2 | 014 |
| MARCH | 14,430 | 2,050 | 1 | 010 |
| APRIL | 31,050 | 78,110 | 51 | 085 |
| MAY | 26,530 | 46,650 | 31 | 029 |
| JUNE | 16,640 | 8,030 | 5 | 035 |
| JULY | 258,000 | 361,970 | 238 | 013 |
| AUGUST | 29,190 | 24,840 | 16 | 072 |
| SEPTEMBER | 293,000 | 321,220 | 211 | 081 |
| SUMMARY | 781,600 | | | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 15,760 | 9,040 | 6 | 042 |
| NOVEMBER | 18,810 | 15,860 | 10 | 062 |
| DECEMBER | 17,410 | 9,600 | 6 | 040 |
| JANUARY | 28,130 | 32,490 | 21 | 085 |
| FEBRUARY | 21,250 | 25,780 | 17 | 089 |
| MARCH | 28,700 | 40,860 | 27 | 015 |
| APRIL | 17,350 | 13,430 | 9 | 057 |
| MAY | 114,400 | 392,100 | 257 | 022 |
| JUNE | 31,050 | 60,100 | 39 | 042 |
| JULY | 16,970 | 12,480 | 8 | 054 |
| AUGUST | 21,920 | 41,130 | 27 | 038 |
| SEPTEMBER | 33,310 | 72,760 | 48 | 060 |
| SUMMARY | 365,100 | 725,630 | 475 | 046 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 132,900 | 198,710 | 131 | 010 |
| NOVEMBER | 39,630 | 23,280 | 15 | 043 |
| DECEMBER | 31,360 | 10,140 | 7 | 024 |
| JANUARY | 29,770 | 10,380 | 7 | 026 |
| FEBRUARY | 22,660 | 7,880 | 5 | 026 |
| MARCH | 28,550 | 75,190 | 49 | 093 |
| APRIL | 23,410 | 20,090 | 13 | 063 |
| MAY | 27,830 | 67,580 | 44 | 078 |
| JUNE | 51,850 | 93,210 | 61 | 032 |
| JULY | 29,500 | 47,360 | 31 | 018 |
| AUGUST | 15,540 | 8,450 | 6 | 040 |
| SEPTEMBER | 20,180 | 19,470 | 13 | 071 |
| SUMMARY | 453,200 | 581,740 | 382 | 094 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 16,470 | 11,190 | 7 | 050 |
| NOVEMBER | 15,970 | 11,290 | 7 | 052 |
| DECEMBER | 28,680 | 37,950 | 25 | 097 |
| JANUARY | 43,910 | 76,440 | 50 | 028 |
| FEBRUARY | 48,350 | 86,860 | 57 | 032 |
| MARCH | 32,780 | 35,420 | 23 | 079 |
| APRIL | 68,050 | 195,020 | 128 | 021 |
| MAY | 24,660 | 19,690 | 13 | 059 |
| JUNE | 30,060 | 58,160 | 38 | 042 |
| JULY | 16,020 | 12,730 | 8 | 058 |
| AUGUST | 14,760 | 10,730 | 7 | 053 |
| SEPTEMBER | 12,750 | 11,960 | 8 | 069 |
| SUMMARY | 352,500 | 567,440 | 371 | 018 |

^{1/} Station was established January 1, 1942

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SAN ANTONIO RIVER WATERSHED

COLIAD STATION ON THE SAN ANTONIO RIVER - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 26,950 | 36,260 | 24 | .099 |
| NOVEMBER | 15,110 | 8,020 | 5 | .039 |
| DECEMBER | 16,130 | 11,070 | 7 | .050 |
| JANUARY | 20,990 | 16,740 | 11 | .059 |
| FEBRUARY | 22,050 | 46,940 | 31 | .156 |
| MARCH | 30,810 | 101,740 | 67 | .242 |
| APRIL | 44,140 | 100,400 | 66 | .167 |
| MAY | 97,310 | 307,600 | 202 | .232 |
| JUNE | 65,250 | 194,220 | 127 | .218 |
| JULY | 16,380 | 23,780 | 16 | .107 |
| AUGUST | 51,260 | 118,020 | 77 | .169 |
| SEPTEMBER | 256,700 | 422,390 | 277 | .121 |
| SUMMARY | 663,100 | 1,387,180 | 910 | .154 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 13,820 | 3,070 | 2 | .016 |
| NOVEMBER | 16,340 | 7,450 | 5 | .033 |
| DECEMBER | 17,490 | 2,800 | 2 | .012 |
| JANUARY | 16,040 | 1,750 | 1 | .008 |
| FEBRUARY | 17,320 | 3,050 | 2 | .013 |
| MARCH | 15,640 | 4,850 | 3 | .023 |
| APRIL | 14,200 | 12,630 | 8 | .065 |
| MAY | 18,970 | 38,850 | 25 | .150 |
| JUNE | 8,120 | 1,210 | 1 | .011 |
| JULY | 24,510 | 43,990 | 29 | .132 |
| AUGUST | 46,930 | 95,650 | 63 | .150 |
| SEPTEMBER | 17,130 | 21,720 | 14 | .093 |
| SUMMARY | 226,500 | 237,020 | 155 | .077 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 340,100 | 339,340 | 223 | .073 |
| NOVEMBER | 55,180 | 64,180 | 42 | .085 |
| DECEMBER | 34,520 | 11,340 | 7 | .024 |
| JANUARY | 48,880 | 35,490 | 23 | .053 |
| FEBRUARY | 28,640 | 6,000 | 4 | .015 |
| MARCH | 34,010 | 26,400 | 17 | .057 |
| APRIL | 27,000 | 22,240 | 15 | .061 |
| MAY | 57,390 | 179,580 | 118 | .230 |
| JUNE | 20,520 | 4,480 | 3 | .016 |
| JULY | 15,780 | 3,000 | 2 | .014 |
| AUGUST | 21,370 | 24,130 | 16 | .083 |
| SEPTEMBER | 16,170 | 3,590 | 2 | .016 |
| SUMMARY | 699,600 | 719,770 | 472 | .076 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 20,270 | 50,710 | 33 | .184 |
| NOVEMBER | 9,960 | 1,100 | 1 | .008 |
| DECEMBER | 10,020 | 560 | | .004 |
| JANUARY | 11,490 | 1,510 | 1 | .010 |
| FEBRUARY | 16,580 | 41,120 | 27 | .182 |
| MARCH | 16,230 | 10,600 | 7 | .048 |
| APRIL | 136,100 | 316,460 | 208 | .171 |
| MAY | 44,070 | 63,390 | 42 | .106 |
| JUNE | 60,090 | 105,470 | 69 | .129 |
| JULY | 47,870 | 49,110 | 32 | .075 |
| AUGUST | 18,190 | 22,250 | 15 | .090 |
| SEPTEMBER | 12,460 | 7,180 | 5 | .042 |
| SUMMARY | 403,300 | 669,460 | 440 | .122 |

SAN ANTONIO RIVER WATERSHED

GOLIAD STATION ON THE SAN ANTONIO RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 73,450 | 182,790 | 120 | .0183 |
| NOVEMBER | 18,590 | 4,540 | 3 | .018 |
| DECEMBER | 26,160 | 18,790 | 12 | .053 |
| JANUARY | 16,590 | 3,400 | 2 | .015 |
| FEBRUARY | 12,310 | 1,310 | 1 | .008 |
| MARCH | 14,220 | 1,940 | 1 | .010 |
| APRIL | 16,230 | 10,830 | 7 | .049 |
| MAY | 14,000 | 10,480 | 7 | .055 |
| JUNE | 36,750 | 65,820 | 43 | .132 |
| JULY | 11,590 | 5,060 | 3 | .032 |
| AUGUST | 13,120 | 3,820 | 3 | .021 |
| SEPTEMBER | 10,680 | 1,780 | 1 | .012 |
| SUMMARY | 263,700 | 310,560 | 203 | .087 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 9,250 | 2,150 | 1 | .017 |
| NOVEMBER | 9,260 | 1,500 | 1 | .012 |
| DECEMBER | 9,250 | 740 | | .006 |
| JANUARY | 8,420 | 790 | 1 | .007 |
| FEBRUARY | 12,330 | 5,820 | 4 | .035 |
| MARCH | 10,760 | 1,550 | 1 | .011 |
| APRIL | 18,020 | 29,170 | 19 | .114 |
| MAY | 30,660 | 85,460 | 56 | .205 |
| JUNE | 10,440 | 5,690 | 4 | .040 |
| JULY | 10,200 | 13,560 | 9 | .098 |
| AUGUST | 4,760 | 500 | | .008 |
| SEPTEMBER | 196,800 | 232,540 | 153 | .087 |
| SUMMARY | 331,000 | 379,470 | 249 | .084 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 8,070 | 810 | 1 | .007 |
| NOVEMBER | 7,520 | 930 | 1 | .009 |
| DECEMBER | 8,110 | 1,310 | 1 | .012 |
| JANUARY | 7,660 | 1,070 | 1 | .010 |
| FEBRUARY | 11,030 | 3,230 | 2 | .022 |
| MARCH | 10,730 | 2,410 | 2 | .016 |
| APRIL | 11,610 | 4,370 | 3 | .028 |
| MAY | 30,340 | 90,670 | 59 | .220 |
| JUNE | 66,210 | 194,780 | 128 | .216 |
| JULY | 7,470 | 1,290 | 1 | .013 |
| AUGUST | 5,540 | 550 | | .007 |
| SEPTEMBER | 46,980 | 93,130 | 61 | .146 |
| SUMMARY | 221,300 | 394,550 | 260 | .131 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 9,180 | 710 | | .006 |
| NOVEMBER | 13,420 | 9,450 | 6 | .052 |
| DECEMBER | 15,730 | 10,920 | 7 | .051 |
| JANUARY | 16,680 | 18,590 | 12 | .082 |
| FEBRUARY | 9,090 | 700 | | .006 |
| MARCH | 10,520 | 2,000 | 1 | .014 |
| APRIL | 12,290 | 6,250 | 4 | .037 |
| MAY | 57,840 | 117,040 | 77 | .149 |
| JUNE | 5,060 | 830 | 1 | .012 |
| JULY | 7,600 | 2,870 | 2 | .028 |
| AUGUST | 19,950 | 48,750 | 32 | .180 |
| SEPTEMBER | 78,510 | 127,840 | 84 | .120 |
| SUMMARY | 255,900 | 345,950 | 226 | .099 |

SAN ANTONIO RIVER WATERSHED

GOLIAD STATION ON THE SAN ANTONIO RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 14,370 | 13,610 | 9 | .070 |
| NOVEMBER | 9,270 | 1,790 | 1 | .014 |
| DECEMBER | 12,050 | 11,760 | 8 | .072 |
| JANUARY | 9,200 | 530 | | .004 |
| FEBRUARY | 6,860 | 910 | 1 | .010 |
| MARCH | 6,910 | 1,340 | 1 | .014 |
| APRIL | 9,470 | 7,230 | 5 | .056 |
| MAY | 16,060 | 28,860 | 19 | .132 |
| JUNE | 7,470 | 7,730 | 5 | .076 |
| JULY | 5,070 | 2,080 | 1 | .030 |
| AUGUST | 3,070 | 440 | | .011 |
| SEPTEMBER | 3,970 | 250 | | .005 |
| SUMMARY | 103,800 | 76,530 | 50 | .054 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 4,620 | 337 | | .005 |
| NOVEMBER | 4,530 | 555 | | .009 |
| DECEMBER | 7,070 | 1,417 | 1 | .015 |
| JANUARY | 6,400 | 1,137 | 1 | .013 |
| FEBRUARY | 6,130 | 534 | | .006 |
| MARCH | 5,160 | 632 | | .009 |
| APRIL | 5,160 | 1,241 | 1 | .018 |
| MAY | 11,820 | 12,995 | 8 | .081 |
| JUNE | 1,560 | 128 | | .006 |
| JULY | 3,220 | 875 | 1 | .020 |
| AUGUST | 3,730 | 1,121 | 1 | .022 |
| SEPTEMBER | 11,910 | 16,227 | 11 | .100 |
| SUMMARY | 71,310 | 37,199 | 24 | .038 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 7,650 | 2,319 | 2 | .022 |
| NOVEMBER | 7,910 | 5,352 | 4 | .050 |
| DECEMBER | 5,320 | 503 | | .007 |
| JANUARY | 7,790 | 1,984 | 1 | .019 |
| FEBRUARY | 19,560 | 29,734 | 20 | .112 |
| MARCH | 10,900 | 6,804 | 4 | .046 |
| APRIL | 5,320 | 820 | 1 | .011 |
| MAY | 19,320 | 32,285 | 21 | .123 |
| JUNE | 9,900 | 11,101 | 7 | .082 |
| JULY | 4,240 | 848 | 1 | .015 |
| AUGUST | 10,150 | 6,188 | 4 | .045 |
| SEPTEMBER | 14,430 | 24,573 | 16 | .125 |
| SUMMARY | 122,500 | 122,511 | 81 | .073 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 22,630 | 53,151 | 35 | .173 |
| NOVEMBER | 9,260 | 8,611 | 6 | .068 |
| DECEMBER | 23,510 | 55,159 | 36 | .172 |
| JANUARY | 6,760 | 1,019 | 1 | .011 |
| FEBRUARY | 9,260 | 4,703 | 3 | .037 |
| MARCH | 30,260 | 46,767 | 31 | .114 |
| APRIL | 149,700 | 400,228 | 262 | .196 |
| MAY | 178,600 | 480,318 | 315 | .198 |
| JUNE | 138,100 | 384,695 | 252 | .205 |
| JULY | 10,100 | 859 | 1 | .006 |
| AUGUST | 6,690 | 1,972 | 1 | .022 |
| SEPTEMBER | 120,500 | 288,051 | 189 | .176 |
| SUMMARY | 705,400 | 1,725,533 | 1,132 | .180 |

SAN ANTONIO RIVER WATERSHED

COLLIAD STATION ON THE SAN ANTONIO RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE- FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE- FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------|-------------------------|-----------|-------------------------------|--------------------------------|---------------|-------------------------|
| OCTOBER | 58,560 | 87,715 | 58 | .110 | OCTOBER | 73,900 | 59,721 | 39 | .059 |
| NOVEMBER | 93,300 | 72,081 | 47 | .099 | NOVEMBER | 95,670 | 46,500 | 30 | .036 |
| DECEMBER | 18,190 | 4,238 | 3 | .017 | DECEMBER | 35,810 | 5,165 | 3 | .011 |
| JANUARY | 100,900 | 160,815 | 105 | .117 | JANUARY | 28,560 | 2,394 | 2 | .006 |
| FEBRUARY | 160,200 | 200,903 | 132 | .092 | FEBRUARY | 28,670 | 6,635 | 4 | .017 |
| MARCH | 39,240 | 23,074 | 15 | .043 | MARCH | 24,510 | 2,808 | 2 | .008 |
| APRIL | 21,820 | 8,295 | 5 | .028 | APRIL | 37,940 | 54,845 | 36 | .106 |
| MAY | 127,000 | 198,390 | 130 | .115 | MAY | 38,210 | 59,214 | 39 | .114 |
| JUNE | 27,030 | 27,593 | 18 | .075 | JUNE | 20,810 | 19,369 | 13 | .068 |
| JULY | 31,070 | 19,870 | 13 | .047 | JULY | 21,000 | 6,341 | 4 | .022 |
| AUGUST | 12,050 | 728 | | .004 | AUGUST | 13,910 | 1,717 | 1 | .009 |
| SEPTEMBER | 59,460 | 62,517 | 41 | .083 | SEPTEMBER | 13,170 | 2,040 | 1 | .011 |
| SUMMARY | 704,800 | 866,219 | 567 | .090 | SUMMARY | 432,200 | 266,749 | 174 | .075 |

NUECES RIVER WATERSHED

COTULLA STATION ON THE NUECES RIVER

Net Drainage Area: 5,260 sq. mi.

Location: U. S. Highway 81 bridge, at Cotulla

Records Available: January 1, 1942 to date

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 107 | | | |
| NOVEMBER | 428 | | | |
| DECEMBER | 19 | | | |
| JANUARY ^{1/} | 19 | 2 | | •008 |
| FEBRUARY | 17 | 3 | | •013 |
| MARCH | 13 | 2 | | •011 |
| APRIL | 2,740 | 690 | | •018 |
| MAY | 12,880 | 5,160 | 4 | •029 |
| JUNE | 852 | 220 | | •019 |
| JULY | 18,040 | 8,790 | 6 | •036 |
| AUGUST | 192 | 120 | | •046 |
| SEPTEMBER | 106,600 | 49,140 | 32 | •034 |
| SUMMARY | 141,900 | | | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 5,320 | 4,950 | 3 | •068 |
| NOVEMBER | 1,250 | 590 | | •035 |
| DECEMBER | 235 | 40 | | •012 |
| JANUARY | 36 | | | |
| FEBRUARY | 10 | | | |
| MARCH | 2,380 | 2,750 | 2 | •085 |
| APRIL | 72 | 10 | | •010 |
| MAY | 42,090 | 33,290 | 22 | •058 |
| JUNE | 37,820 | 20,720 | 14 | •040 |
| JULY | 4 | | | |
| AUGUST | 180,400 | 173,800 | 114 | •071 |
| SEPTEMBER | 212,900 | 131,710 | 86 | •045 |
| SUMMARY | 482,500 | 367,860 | 241 | •056 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 13,560 | 5,630 | 4 | •030 |
| NOVEMBER | 1,490 | 170 | | •008 |
| DECEMBER | 30 | 8 | | •020 |
| JANUARY | 122 | 30 | | •018 |
| FEBRUARY | 36 | 12 | | •024 |
| MARCH | 2 | 1 | | •037 |
| APRIL | 7 | 4 | | •042 |
| MAY | 2 | 1 | | •037 |
| JUNE | 43,090 | 23,580 | 16 | •040 |
| JULY | 5,040 | 3,440 | 2 | •050 |
| AUGUST | 61 | 8 | | •010 |
| SEPTEMBER | 804 | 390 | | •038 |
| SUMMARY | 64,240 | 33,274 | 22 | •038 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 2,730 | 1,610 | 1 | •043 |
| NOVEMBER | 24 | | | |
| DECEMBER | 529 | 90 | | •012 |
| JANUARY | 28 | | | |
| FEBRUARY | 68 | 10 | | •011 |
| MARCH | 4,610 | 2,910 | 2 | •046 |
| APRIL | 61,320 | 51,470 | 34 | •062 |
| MAY | 13,120 | 9,370 | 6 | •052 |
| JUNE | 12 | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | 82,440 | 65,460 | 43 | •058 |

^{1/} Station was established January 1, 1942

NUECES RIVER WATERSHED

COTULLA STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 182,300 | 173,080 | 114 | .070 |
| NOVEMBER | 172 | 60 | | .026 |
| DECEMBER | 45 | | | |
| JANUARY | 38 | | | |
| FEBRUARY | 12 | | | |
| MARCH | 94 | 20 | | .016 |
| APRIL | 84,300 | 57,720 | 38 | .050 |
| MAY | 37,400 | 33,390 | 22 | .066 |
| JUNE | 19,380 | 5,220 | 3 | .020 |
| JULY | 320 | 60 | | .014 |
| AUGUST | 1,000 | 624 | | .046 |
| SEPTEMBER | 22,550 | 14,040 | 9 | .046 |
| SUMMARY | 347,600 | 284,210 | 186 | .060 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | 26,060 | 17,170 | 11 | .048 |
| JULY | 35,210 | 11,000 | 7 | .023 |
| AUGUST | | | | |
| SEPTEMBER | 11,430 | 930 | 1 | .006 |
| SUMMARY | 72,900 | 29,100 | 19 | .029 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 23,460 | 1,850 | 1 | .006 |
| NOVEMBER | 57 | | | |
| DECEMBER | 10 | | | |
| JANUARY | 31 | | | |
| FEBRUARY | 3 | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | 6,020 | 2,710 | 2 | .033 |
| JUNE | 50,360 | 10,350 | 7 | .015 |
| JULY | 11,980 | 1,590 | 1 | .010 |
| AUGUST | 434 | 20 | | .003 |
| SEPTEMBER | 251 | 30 | | .009 |
| SUMMARY | 92,610 | 16,550 | 11 | .013 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,070 | 2,270 | 1 | .027 |
| NOVEMBER | 348 | 10 | | .002 |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | 8,880 | 7,790 | 5 | .064 |
| MARCH | 144,600 | 52,930 | 35 | .027 |
| APRIL | 44,060 | 28,620 | 19 | .048 |
| MAY | 9,090 | 1,160 | 1 | .009 |
| JUNE | 44,680 | 17,420 | 11 | .029 |
| JULY | 3,180 | 210 | | .005 |
| AUGUST | 16,230 | 5,210 | 3 | .024 |
| SEPTEMBER | 426 | 20 | | .003 |
| SUMMARY | 277,600 | 115,640 | 75 | .031 |

NUECES RIVER WATERSHED

COTULLA STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 8,380 | 4,520 | 3 | .040 |
| NOVEMBER | 469 | 30 | | .005 |
| DECEMBER | 286 | 30 | | .008 |
| JANUARY | 11 | | | |
| FEBRUARY | 2 | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | 3,170 | 670 | | .016 |
| JUNE | 21,160 | 5,400 | 4 | .019 |
| JULY | 3,910 | 1,110 | 1 | .021 |
| AUGUST | 565 | 70 | | .009 |
| SEPTEMBER | 19,810 | 6,720 | 4 | .025 |
| SUMMARY | 57,760 | 18,550 | 12 | .024 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 510 | 40 | | .006 |
| NOVEMBER | 67 | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | 21,530 | 16,830 | 11 | .057 |
| JUNE | 12,530 | 4,040 | 3 | .024 |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | 34,640 | 20,910 | 14 | .044 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1,990 | 370 | | .014 |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | 25,290 | 9,090 | 6 | .026 |
| JUNE | 3,770 | 550 | | .011 |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | 31,050 | 10,010 | 6 | .024 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | 1,390 | 1,270 | 1 | .067 |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | 1,420 | 730 | | .033 |
| SEPTEMBER | 81,410 | 9,880 | 6 | .009 |
| SUMMARY | 84,420 | 11,880 | 7 | .010 |

NUCES RIVER WATERSHED

COTULLA STATION ON THE NUCES RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 21,950 | 990 | 1 | .003 |
| NOVEMBER | 410 | 40 | | .007 |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | 2,250 | 350 | | .011 |
| MAY | 20,070 | 4,230 | 3 | .015 |
| JUNE | 35,660 | 17,570 | 12 | .036 |
| JULY | 37,730 | 21,110 | 14 | .041 |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | 118,100 | 44,290 | 30 | .028 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 40,070 | 27,210 | 18 | .050 |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | 22,990 | 18,524 | 12 | .059 |
| AUGUST | 969 | 119 | | .009 |
| SEPTEMBER | 244 | 20 | | .006 |
| SUMMARY | 64,270 | 45,873 | 30 | .052 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 7,600 | 3,677 | 2 | .036 |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | 1,100 | 171 | | .011 |
| JUNE | 21 | | | |
| JULY | 13,760 | 4,865 | 3 | .026 |
| AUGUST | 136 | | | |
| SEPTEMBER | 46,310 | 26,134 | 17 | .041 |
| SUMMARY | 68,930 | 34,847 | 22 | .037 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,510 | 2,596 | 2 | .035 |
| NOVEMBER | 45 | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | 37 | | | |
| APRIL | 85,920 | 69,962 | 46 | .060 |
| MAY | 115,200 | 69,833 | 46 | .045 |
| JUNE | 138,900 | 86,351 | 57 | .046 |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | 11,230 | 5,224 | 3 | .034 |
| SUMMARY | 356,800 | 233,966 | 154 | .048 |

NUECES RIVER WATERSHED

COTULIA STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 31,310 | 11,114 | 7 | .026 | OCTOBER | 69,060 | 6,652 | 4 | .007 |
| NOVEMBER | 3,150 | 521 | | .012 | NOVEMBER | 53,940 | 4,903 | 3 | .007 |
| DECEMBER | 95 | | | | DECEMBER | 11,790 | 465 | | .003 |
| JANUARY | 11,970 | 4,832 | 3 | .030 | JANUARY | 6,430 | 165 | | .002 |
| FEBRUARY | 16,000 | 4,171 | 3 | .019 | FEBRUARY | 3,810 | 106 | | .002 |
| MARCH | 7,200 | 1,244 | 1 | .013 | MARCH | 1,510 | 36 | | .002 |
| APRIL | 11 | | | | APRIL | 59 | | | |
| MAY | 5 | | | | MAY | 8,560 | 20,736 | 14 | .178 |
| JUNE | 127,300 | 233,505 | 153 | .135 | JUNE | 10,290 | 7,550 | 5 | .054 |
| JULY | 32,080 | 10,005 | 7 | .023 | JULY | 49,480 | 18,255 | 12 | .027 |
| AUGUST | 395 | 26 | | .005 | AUGUST | 7,900 | 417 | | .004 |
| SEPTEMBER | 129,900 | 208,879 | 137 | .118 | SEPTEMBER | 8,280 | 2,079 | 1 | .018 |
| SUMMARY | 359,400 | 474,297 | 311 | .097 | SUMMARY | 231,100 | 61,364 | 39 | .020 |

NUCCES RIVER WATERSHED

CALLIHAM STATION ON THE FRIO RIVER

Net Drainage Area: 5,491 sq. mi.
 Location: Farm Road 99 bridge, 1 mile north of Calliham
 Records Available: January 1, 1953 to date

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | 28 | | | |
| DECEMBER | 8 | | | |
| JANUARY ^{1/} | 3 | | | |
| FEBRUARY | 9 | | | |
| MARCH | 18 | | | |
| APRIL | 695 | 640 | | .068 |
| MAY | 31,420 | 54,900 | 36 | .128 |
| JUNE | 91 | | | |
| JULY | 205 | 20 | | .007 |
| AUGUST | 12,880 | 34,540 | 23 | .197 |
| SEPTEMBER | 180,500 | 153,930 | 101 | .063 |
| SUMMARY | 225,900 | | | |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,190 | 881 | 1 | .054 |
| NOVEMBER | 595 | 46 | | .006 |
| DECEMBER | 9 | | | |
| JANUARY | 49 | | | |
| FEBRUARY | 1,630 | 4,621 | | .208 |
| MARCH | 7 | | | |
| APRIL | | | | |
| MAY | 29,000 | 66,369 | 44 | .168 |
| JUNE | 2,740 | 4,242 | 3 | .114 |
| JULY | 381 | 252 | | .049 |
| AUGUST | 3,860 | 12,917 | 8 | .246 |
| SEPTEMBER | 1,930 | 3,839 | 3 | .146 |
| SUMMARY | 41,390 | 93,167 | 59 | .165 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 31,060 | 47,050 | 31 | .111 |
| NOVEMBER | 1,430 | 620 | | .031 |
| DECEMBER | 187 | | | |
| JANUARY | 137 | | | |
| FEBRUARY | 69 | | | |
| MARCH | 34 | | | |
| APRIL | 6,360 | 6,470 | 4 | .075 |
| MAY | 7,470 | 11,380 | 7 | .112 |
| JUNE | 19,910 | 13,560 | 9 | .050 |
| JULY | 1,140 | 180 | | .012 |
| AUGUST | | | | |
| SEPTEMBER | 71 | 6 | | .006 |
| SUMMARY | 67,870 | 79,266 | 51 | .086 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,470 | 5,304 | 4 | .158 |
| NOVEMBER | | | | |
| DECEMBER | 10 | | | |
| JANUARY | 34 | 1 | | .002 |
| FEBRUARY | 24 | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | 3,900 | 18,870 | 12 | .355 |
| JUNE | 1,250 | 3,992 | 3 | .235 |
| JULY | 3,420 | 9,675 | 6 | .208 |
| AUGUST | 18,180 | 94,035 | 62 | .380 |
| SEPTEMBER | 17,060 | 61,576 | 40 | .265 |
| SUMMARY | 46,350 | 193,453 | 127 | .307 |

^{1/} Station was established January 1, 1953

NECES RIVER WATERSHED

CALLTEAM STATION ON THE FRIO RIVER - CONTINUED

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 11,940 | 25,335 | 17 | .156 |
| NOVEMBER | 136 | 11 | | .006 |
| DECEMBER | 92 | 2 | | .002 |
| JANUARY | 32 | | | |
| FEBRUARY | 53 | 5 | | .007 |
| MARCH | 5,190 | 19,322 | 13 | .273 |
| APRIL | 78,170 | 122,628 | 80 | .115 |
| MAY | 142,400 | 214,372 | 141 | .111 |
| JUNE | 102,500 | 45,859 | 30 | .033 |
| JULY | 319 | 29 | | .007 |
| AUGUST | 8 | 1 | | .010 |
| SEPTEMBER | 33,440 | 58,190 | 38 | .128 |
| SUMMARY | 374,300 | 485,754 | 319 | .095 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 43,940 | 56,018 | 37 | .094 |
| NOVEMBER | 41,890 | 13,001 | 9 | .023 |
| DECEMBER | 8,590 | 7,999 | 5 | .068 |
| JANUARY | 3,120 | 315 | | .007 |
| FEBRUARY | 1,860 | 230 | | .009 |
| MARCH | 856 | 22 | | .002 |
| APRIL | 990 | 203 | | .015 |
| MAY | 1,920 | 893 | 1 | .034 |
| JUNE | 24,800 | 17,014 | 11 | .050 |
| JULY | 23,020 | 7,662 | 5 | .024 |
| AUGUST | 669 | 44 | | .073 |
| SEPTEMBER | 1,770 | 745 | | .031 |
| SUMMARY | 153,400 | 104,146 | 68 | .050 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 55,100 | 58,486 | 38 | .078 |
| NOVEMBER | 9,410 | 11,626 | 8 | .091 |
| DECEMBER | 2,920 | 868 | 1 | .022 |
| JANUARY | 101,300 | 113,705 | 75 | .082 |
| FEBRUARY | 112,300 | 67,258 | 44 | .044 |
| MARCH | 23,830 | 12,639 | 8 | .039 |
| APRIL | 3,630 | 877 | 1 | .018 |
| MAY | 13,200 | 20,165 | 13 | .097 |
| JUNE | 5,420 | 20,542 | 13 | .029 |
| JULY | 16,120 | 8,598 | 6 | .039 |
| AUGUST | 205 | 3 | | .001 |
| SEPTEMBER | 53,930 | 130,970 | 86 | .178 |
| SUMMARY | 445,400 | 445,737 | 293 | .074 |

NUECES RIVER WATERSHED

THREE RIVERS STATION ON THE NUECES RIVER

Net Drainage Area: 15,600 sq. mi.

Location: Missouri Pacific Railroad bridge, 2 miles south of Three Rivers

Records Available: October 1, 1927 to April 30, 1953

Comments: Measures silt flowing into Lake Corpus Christi

WATER YEAR 1928

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER ^{1/} | 118,000 | 178,670 | 117 | .111 |
| NOVEMBER | 362 | 34 | | .007 |
| DECEMBER | 713 | 1,630 | 1 | .168 |
| JANUARY | 251 | 43 | | .013 |
| FEBRUARY | 771 | 350 | | .033 |
| MARCH | 2,810 | 14,250 | 9 | .372 |
| APRIL | 2,230 | 11,140 | 7 | .367 |
| MAY | 108,000 | 199,840 | 131 | .136 |
| JUNE | 48,100 | 105,000 | 69 | .160 |
| JULY | 2,290 | 5,910 | 4 | .190 |
| AUGUST | 14,800 | 25,440 | 17 | .125 |
| SEPTEMBER | 30,600 | 75,610 | 50 | .270 |
| SUMMARY | 318,900 | 617,917 | 405 | .142 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 56,800 | 18,880 | 12 | .024 |
| NOVEMBER | 2,760 | 2,260 | 1 | .060 |
| DECEMBER | 14,800 | 40,580 | 27 | .201 |
| JANUARY | 873 | 82 | | .007 |
| FEBRUARY | 475 | 97 | | .015 |
| MARCH | 7,690 | 11,760 | 8 | .112 |
| APRIL | 50,800 | 168,730 | 111 | .244 |
| MAY | 210,000 | 514,510 | 206 | .110 |
| JUNE | 209,000 | 129,500 | 85 | .046 |
| JULY | 42,900 | 34,680 | 23 | .059 |
| AUGUST | 46 | 4 | | .006 |
| SEPTEMBER | 363 | 360 | | .073 |
| SUMMARY | 596,500 | 721,443 | 473 | .089 |

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 30,900 | 22,370 | 15 | .053 |
| NOVEMBER | 8,630 | 36,280 | 24 | .309 |
| DECEMBER | 5,730 | 14,920 | 10 | .191 |
| JANUARY | 4,950 | 23,490 | 15 | .349 |
| FEBRUARY | 179 | 15 | | .006 |
| MARCH | 82,400 | 333,400 | 219 | .297 |
| APRIL | 56,800 | 173,710 | 114 | .225 |
| MAY | 239,000 | 524,440 | 344 | .171 |
| JUNE | 296,000 | 69,120 | 45 | .018 |
| JULY | 25,900 | 72,100 | 47 | .204 |
| AUGUST | 3,310 | 3,420 | 2 | .076 |
| SEPTEMBER | 17,500 | 30,340 | 20 | .127 |
| SUMMARY | 771,300 | 1,303,605 | 855 | .124 |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 28,500 | 39,980 | 26 | .103 |
| NOVEMBER | 21,200 | 25,830 | 17 | .090 |
| DECEMBER | 539 | 45 | | .006 |
| JANUARY | 13,300 | 38,030 | 25 | .210 |
| FEBRUARY | 48,400 | 32,840 | 22 | .050 |
| MARCH | 3,200 | 1,360 | 1 | .031 |
| APRIL | 4,700 | 9,740 | 6 | .152 |
| MAY | 144,000 | 128,010 | 84 | .065 |
| JUNE | 40,600 | 48,630 | 32 | .088 |
| JULY | 120,000 | 93,360 | 61 | .057 |
| AUGUST | 30,900 | 25,560 | 17 | .061 |
| SEPTEMBER | 539 | 32 | | .004 |
| SUMMARY | 455,900 | 443,417 | 291 | .071 |

^{1/} Station was established October 1, 1927

NUECES RIVER WATERSHED

THREE RIVERS STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | 1,990 | 5,110 | 3 | .0189 |
| JANUARY | 3,590 | 5,880 | 4 | .0120 |
| FEBRUARY | 7,080 | 14,480 | 9 | .0150 |
| MARCH | 2,220 | 1,340 | 1 | .0044 |
| APRIL | 12,000 | 37,460 | 25 | .0229 |
| MAY | 21,300 | 32,360 | 21 | .0112 |
| JUNE | 619 | 220 | | .0026 |
| JULY | 510,000 | 238,270 | 156 | .0034 |
| AUGUST | 15,400 | 32,330 | 21 | .0154 |
| SEPTEMBER | 432,000 | 214,430 | 141 | .0036 |
| SUMMARY | 1,006,000 | 581,880 | 381 | .0042 |

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 4,160 | 4,080 | 3 | .0072 |
| NOVEMBER | 1,150 | 1,620 | 1 | .0103 |
| DECEMBER | 355 | 43 | | .0009 |
| JANUARY | 84,200 | 296,090 | 194 | .0258 |
| FEBRUARY | 21,600 | 45,100 | 30 | .0153 |
| MARCH | 7,440 | 27,860 | 18 | .0275 |
| APRIL | 38,500 | 146,890 | 96 | .0280 |
| MAY | 8,670 | 7,550 | 5 | .0064 |
| JUNE | 7,020 | 10,840 | 7 | .0113 |
| JULY | 33,400 | 81,160 | 53 | .0179 |
| AUGUST | 31,500 | 18,420 | 12 | .0043 |
| SEPTEMBER | 15,800 | 28,670 | 19 | .0133 |
| SUMMARY | 253,800 | 668,323 | 438 | .0193 |

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 149,000 | 35,580 | 23 | .0018 |
| NOVEMBER | 17,900 | 3,430 | 2 | .0014 |
| DECEMBER | 11,200 | 700 | | .0005 |
| JANUARY | 11,500 | 1,680 | 1 | .0011 |
| FEBRUARY | 10,900 | 3,720 | 2 | .0023 |
| MARCH | 7,190 | 740 | | .0008 |
| APRIL | 4,090 | 2,350 | 2 | .0042 |
| MAY | 5,440 | 19,530 | 13 | .0264 |
| JUNE | 17,700 | 39,550 | 26 | .0164 |
| JULY | 12,500 | 65,180 | 43 | .0383 |
| AUGUST | 15,700 | 53,410 | 35 | .0250 |
| SEPTEMBER | 24,000 | 49,180 | 32 | .0151 |
| SUMMARY | 287,100 | 275,050 | 179 | .0070 |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 20,350 | 67,450 | 44 | .0243 |
| NOVEMBER | 100,500 | 140,220 | 92 | .0102 |
| DECEMBER | 18,380 | 74,160 | 49 | .0296 |
| JANUARY | 7,780 | 8,550 | 6 | .0081 |
| FEBRUARY | 25,920 | 77,420 | 51 | .0219 |
| MARCH | 16,030 | 69,620 | 46 | .0319 |
| APRIL | 68,390 | 157,320 | 103 | .0169 |
| MAY | 211,900 | 467,900 | 307 | .0162 |
| JUNE | 1,501,000 | 807,590 | 530 | .0040 |
| JULY | 128,400 | 98,150 | 64 | .0056 |
| AUGUST | 142,200 | 51,580 | 34 | .0027 |
| SEPTEMBER | 306,300 | 363,670 | 239 | .0087 |
| SUMMARY | 2,547,000 | 2,383,630 | 1,565 | .0069 |

NUECES RIVER WATERSHED

THREE RIVERS STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 62,770 | 28,360 | 19 | .033 |
| NOVEMBER | 8,860 | 4,440 | 3 | .037 |
| DECEMBER | 13,040 | 9,430 | 6 | .053 |
| JANUARY | 8,740 | 2,840 | 2 | .023 |
| FEBRUARY | 4,100 | 150 | | .003 |
| MARCH | 26,230 | 76,460 | 50 | .214 |
| APRIL | 8,750 | 8,270 | 5 | .069 |
| MAY | 99,180 | 260,170 | 171 | .193 |
| JUNE | 49,010 | 96,240 | 63 | .144 |
| JULY | 341,000 | 196,560 | 129 | .042 |
| AUGUST | 6,760 | 1,430 | 1 | .016 |
| SEPTEMBER | 139,500 | 67,970 | 45 | .036 |
| SUMMARY | 767,900 | 752,320 | 494 | .072 |

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 2,550 | 4,000 | 3 | .115 |
| NOVEMBER | 831 | 15 | | .001 |
| DECEMBER | 88,070 | 261,530 | 172 | .218 |
| JANUARY | 171,600 | 203,260 | 133 | .087 |
| FEBRUARY | 8,420 | 1,890 | 1 | .016 |
| MARCH | 5,090 | 1,770 | 1 | .026 |
| APRIL | 100,500 | 189,300 | 124 | .138 |
| MAY | 46,070 | 63,070 | 41 | .101 |
| JUNE | 3,240 | 250 | | .008 |
| JULY | 1,340 | 270 | | .015 |
| AUGUST | 47,380 | 42,000 | 28 | .065 |
| SEPTEMBER | 4,640 | 4,180 | 3 | .066 |
| SUMMARY | 479,700 | 771,535 | 506 | .118 |

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 184,200 | 67,080 | 44 | .027 |
| NOVEMBER | 28,800 | 2,110 | 1 | .005 |
| DECEMBER | 19,400 | 180 | | .001 |
| JANUARY | 12,550 | 300 | | .002 |
| FEBRUARY | 7,520 | 190 | | .002 |
| MARCH | 7,570 | 770 | 1 | .007 |
| APRIL | 4,510 | 140 | | .002 |
| MAY | 4,880 | 5,610 | 4 | .084 |
| JUNE | 21,940 | 31,730 | 21 | .106 |
| JULY | 3,590 | 2,960 | 2 | .061 |
| AUGUST | 16,790 | 23,700 | 16 | .104 |
| SEPTEMBER | 6,300 | 7,500 | 5 | .087 |
| SUMMARY | 318,000 | 142,270 | 94 | .033 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 177 | 3 | | .001 |
| NOVEMBER | 3,490 | 8,610 | 6 | .181 |
| DECEMBER | 10,380 | 31,890 | 21 | .226 |
| JANUARY | 2,650 | 1,190 | 1 | .033 |
| FEBRUARY | 1,420 | 64 | | .003 |
| MARCH | 1,150 | 28 | | .002 |
| APRIL | 295 | 7 | | .002 |
| MAY | 117,600 | 73,790 | 48 | .046 |
| JUNE | 59,800 | 106,130 | 70 | .130 |
| JULY | 50,610 | 114,040 | 75 | .166 |
| AUGUST | 19,830 | 23,660 | 16 | .088 |
| SEPTEMBER | 39,200 | 91,550 | 60 | .172 |
| SUMMARY | 306,600 | 450,962 | 297 | .108 |

NUCES RIVER WATERSHED

THREE RIVERS STATION ON THE NUCES RIVER - CONTINUED

WATER YEAR 1940

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 35,450 | 47,460 | 31 | .098 | OCTOBER | 24,970 | 36,880 | 24 | .108 |
| NOVEMBER | 1,560 | 21 | | .001 | NOVEMBER | 5,280 | 720 | | .010 |
| DECEMBER | 1,150 | 6 | | | DECEMBER | 3,460 | 270 | | .006 |
| JANUARY | 1,360 | 5 | | | JANUARY | 2,910 | 270 | | .007 |
| FEBRUARY | 3,720 | 4,480 | 3 | .089 | FEBRUARY | 3,380 | 600 | | .013 |
| MARCH | 18,450 | 29,640 | 19 | .118 | MARCH | 2,380 | 270 | | .008 |
| APRIL | 120,500 | 165,900 | 109 | .101 | APRIL | 15,240 | 32,380 | 21 | .156 |
| MAY | 76,620 | 170,020 | 111 | .163 | MAY | 26,170 | 42,030 | 28 | .118 |
| JUNE | 227,800 | 328,600 | 216 | .106 | JUNE | 9,230 | 8,240 | 5 | .066 |
| JULY | 274,000 | 123,400 | 81 | .033 | JULY | 554,200 | 393,780 | 258 | .052 |
| AUGUST | 60,860 | 145,900 | 96 | .176 | AUGUST | 18,470 | 62,170 | 41 | .247 |
| SEPTEMBER | 18,720 | 20,170 | 13 | .079 | SEPTEMBER | 442,100 | 409,730 | 269 | .068 |
| SUMMARY | 840,200 | 1,035,602 | 679 | .091 | SUMMARY | 1,108,000 | 987,340 | 646 | .065 |

WATER YEAR 1941

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 16,270 | 63,980 | 42 | .289 | OCTOBER | 52,290 | 50,830 | 33 | .071 |
| NOVEMBER | 35,990 | 107,060 | 70 | .219 | NOVEMBER | 9,480 | 2,830 | 2 | .022 |
| DECEMBER | 34,970 | 70,220 | 46 | .148 | DECEMBER | 3,740 | 510 | | .010 |
| JANUARY | 17,710 | 22,700 | 15 | .094 | JANUARY | 3,820 | 740 | | .014 |
| FEBRUARY | 79,340 | 129,310 | 85 | .120 | FEBRUARY | 3,090 | 700 | | .017 |
| MARCH | 18,030 | 20,630 | 14 | .084 | MARCH | 5,080 | 4,190 | 3 | .061 |
| APRIL | 151,900 | 273,200 | 179 | .132 | APRIL | 2,850 | 1,570 | 1 | .040 |
| MAY | 486,200 | 445,640 | 292 | .067 | MAY | 5,490 | 7,390 | 5 | .099 |
| JUNE | 136,500 | 205,310 | 135 | .110 | JUNE | 106,600 | 138,150 | 91 | .095 |
| JULY | 83,720 | 71,540 | 47 | .063 | JULY | 39,830 | 49,200 | 32 | .091 |
| AUGUST | 12,630 | 22,870 | 15 | .133 | AUGUST | 443 | 140 | | .023 |
| SEPTEMBER | 227,600 | 202,860 | 133 | .065 | SEPTEMBER | 27,760 | 67,740 | 44 | .179 |
| SUMMARY | 1,301,000 | 1,635,320 | 1,073 | .092 | SUMMARY | 260,500 | 323,990 | 211 | .091 |

NUECES RIVER WATERSHED

THREE RIVERS STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 11,190 | 14,260 | 9 | .094 |
| NOVEMBER | 6,480 | 5,660 | 4 | .064 |
| DECEMBER | 4,120 | 3,050 | 2 | .054 |
| JANUARY | 7,570 | 21,490 | 14 | .209 |
| FEBRUARY | 2,230 | 1,390 | 1 | .046 |
| MARCH | 10,430 | 20,840 | 14 | .147 |
| APRIL | 3,000 | 1,860 | 1 | .046 |
| MAY | 112,800 | 221,690 | 145 | .144 |
| JUNE | 175,300 | 124,310 | 82 | .052 |
| JULY | 5,240 | 10,030 | 7 | .141 |
| AUGUST | 22,630 | 73,440 | 48 | .238 |
| SEPTEMBER | 339,100 | 170,640 | 112 | .037 |
| SUMMARY | 700,100 | 668,660 | 439 | .070 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 248,000 | 273,000 | 179 | .081 |
| NOVEMBER | 1,600 | 830 | 1 | .038 |
| DECEMBER | 1,170 | 530 | | .033 |
| JANUARY | 2,120 | 920 | 1 | .032 |
| FEBRUARY | 2,180 | 2,570 | 2 | .087 |
| MARCH | 12,200 | 38,660 | 25 | .233 |
| APRIL | 38,930 | 79,930 | 52 | .151 |
| MAY | 151,000 | 203,030 | 133 | .099 |
| JUNE | 127,700 | 154,180 | 101 | .089 |
| JULY | 3,880 | 2,280 | 1 | .043 |
| AUGUST | 76,920 | 147,310 | 97 | .141 |
| SEPTEMBER | 261,700 | 231,530 | 152 | .065 |
| SUMMARY | 927,400 | 1,134,770 | 744 | .090 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 15,770 | 21,980 | 14 | .102 |
| NOVEMBER | 3,320 | 2,680 | 2 | .059 |
| DECEMBER | 5,130 | 7,810 | 5 | .112 |
| JANUARY | 7,820 | 10,810 | 7 | .102 |
| FEBRUARY | 17,340 | 35,240 | 23 | .149 |
| MARCH | 22,350 | 50,370 | 33 | .166 |
| APRIL | 133,900 | 228,710 | 150 | .125 |
| MAY | 40,740 | 36,730 | 24 | .066 |
| JUNE | 43,290 | 184,200 | 121 | .313 |
| JULY | 5,620 | 5,540 | 4 | .072 |
| AUGUST | 77 | 50 | | .048 |
| SEPTEMBER | 1,710 | 5,890 | 4 | .253 |
| SUMMARY | 297,100 | 590,010 | 387 | .146 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 504,800 | 270,400 | 177 | .039 |
| NOVEMBER | 8,770 | 2,530 | 2 | .021 |
| DECEMBER | 3,960 | 480 | | .009 |
| JANUARY | 6,560 | 2,900 | 2 | .032 |
| FEBRUARY | 2,390 | 780 | 1 | .024 |
| MARCH | 5,710 | 5,270 | 4 | .068 |
| APRIL | 15,090 | 29,470 | 19 | .143 |
| MAY | 145,200 | 158,330 | 104 | .080 |
| JUNE | 41,020 | 28,340 | 19 | .051 |
| JULY | 51,990 | 34,810 | 23 | .049 |
| AUGUST | 22,890 | 44,640 | 29 | .143 |
| SEPTEMBER | 1,680 | 360 | | .016 |
| SUMMARY | 810,100 | 578,310 | 380 | .052 |

NUECES RIVER WATERSHED

THREE RIVERS STATION ON THE NUCES RIVER - CONTINUED

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 339 | 50 | | .011 |
| NOVEMBER | 7,640 | 15,290 | 10 | .147 |
| DECEMBER | 1,930 | 600 | | .023 |
| JANUARY | 798 | 70 | | .006 |
| FEBRUARY | 1,650 | 100 | | .004 |
| MARCH | 1,370 | 160 | | .009 |
| APRIL | 599 | 70 | | .009 |
| MAY | 2,300 | 5,120 | 3 | .164 |
| JUNE | 2,600 | 21,620 | 14 | .611 |
| JULY | 92,710 | 169,630 | 111 | .134 |
| AUGUST | 7,870 | 28,000 | 18 | .261 |
| SEPTEMBER | 8,500 | 12,690 | 8 | .110 |
| SUMMARY | 128,300 | 253,400 | 164 | .145 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 34,270 | 63,400 | 42 | .136 |
| NOVEMBER | 9,530 | 9,090 | 3 | .039 |
| DECEMBER | 19,980 | 30,290 | 20 | .111 |
| JANUARY | 1,500 | 180 | | .009 |
| FEBRUARY | 1,670 | 300 | | .013 |
| MARCH | 988 | 130 | | .010 |
| APRIL | 4,060 | 11,280 | 7 | .204 |
| MAY | 55,550 | 140,720 | 92 | .186 |
| JUNE | 112,200 | 93,810 | 62 | .061 |
| JULY | 14,110 | 19,860 | 13 | .103 |
| AUGUST | 179 | 60 | | .024 |
| SEPTEMBER | 12,250 | 20,720 | 14 | .124 |
| SUMMARY | 266,300 | 385,840 | 253 | .106 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 30,480 | 69,030 | 45 | .166 |
| NOVEMBER | 3,020 | 570 | | .014 |
| DECEMBER | 612 | 40 | | .005 |
| JANUARY | 720 | 70 | | .007 |
| FEBRUARY | 13,840 | 44,200 | 29 | .234 |
| MARCH | 140,500 | 84,460 | 55 | .044 |
| APRIL | 210,300 | 213,260 | 140 | .074 |
| MAY | 143,500 | 70,660 | 48 | .036 |
| JUNE | 114,600 | 140,450 | 92 | .090 |
| JULY | 80,910 | 97,720 | 64 | .089 |
| AUGUST | 38,500 | 43,240 | 28 | .083 |
| SEPTEMBER | 3,930 | 1,890 | 1 | .035 |
| SUMMARY | 780,900 | 765,590 | 500 | .072 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 17,270 | 8,970 | 6 | .038 |
| NOVEMBER | 2 | | | |
| DECEMBER | 38 | | | |
| JANUARY | 228 | 30 | | .018 |
| FEBRUARY | 322 | 40 | | .009 |
| MARCH | 1,160 | 240 | | .015 |
| APRIL | 584 | 50 | | .006 |
| MAY | 92,980 | 192,710 | 126 | .152 |
| JUNE | 139,700 | 210,020 | 138 | .110 |
| JULY | 580 | 50 | | .006 |
| AUGUST | 268 | 40 | | .011 |
| SEPTEMBER | 153,200 | 195,610 | 128 | .094 |
| SUMMARY | 406,300 | 607,760 | 398 | .110 |

NUCES RIVER WATERSHED

THREE RIVERS STATION ON THE NUCES RIVER - CONTINUED

WATER YEAR 1952

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|---------------------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 15,610 | 18,430 | 12 | .087 | OCTOBER | 376 | 20 | | .004 |
| NOVEMBER | 2,560 | 1,000 | 1 | .029 | NOVEMBER | 1,060 | 90 | | .006 |
| DECEMBER | 874 | 90 | | .008 | DECEMBER | 1,170 | 150 | | .009 |
| JANUARY | 1,030 | 110 | | .008 | JANUARY | 1,570 | 2,090 | 1 | .010 |
| FEBRUARY | 10,700 | 45,620 | 30 | .313 | FEBRUARY | 873 | 90 | | .008 |
| MARCH | 1,540 | 440 | | .021 | MARCH | 1,020 | 170 | | .012 |
| APRIL | 12,730 | 39,370 | 26 | .227 | APRIL ^{1/} | 15,440 | 59,492 | 101 | .028 |
| MAY | 31,850 | 106,680 | 70 | .246 | MAY | 86,810 | | | |
| JUNE | 66,480 | 59,060 | 39 | .065 | JUNE | 753 | | | |
| JULY | 8,210 | 15,240 | 10 | .136 | JULY | 2,990 | | | |
| AUGUST | 244 | 40 | | .012 | AUGUST | 29,930 | | | |
| SEPTEMBER | 13,980 | 22,660 | 15 | .119 | SEPTEMBER | 349,600 | | | |
| SUMMARY | 165,800 | 308,740 | 203 | .137 | SUMMARY | 491,600 | | | |

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^{1/} Station was discontinued April 30, 1953

NUECES RIVER WATERSHED

WESLEY E. SEALE (MATEIS) DAM STATION ON THE NUECES RIVER

Net Drainage Area: 16,656 sq. mi.

Location: State Highway 359 bridge about 0.6 mile below Wesley E. Seale Dam

Records Available: February 2, 1942 to date (June 1958 through September 1959 excluded)

Comments: Measures silt discharged from Lake Corpus Christi; Mathis Dam was breached Apr-11 25, 1958 at which time storage began at Wesley E. Seale Dam

WATER YEAR 1942

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 20,780 | | | | OCTOBER | 11,490 | 1,380 | 1 | .007 |
| NOVEMBER | 9,010 | | | | NOVEMBER | 4,560 | 760 | | .012 |
| DECEMBER | 7,300 | | | | DECEMBER | 5,830 | 1,390 | 1 | .018 |
| JANUARY | 6,190 | | | | JANUARY | 5,530 | 1,340 | 1 | .017 |
| FEBRUARY ^{1/} | 1,350 | 74 | | .004 | FEBRUARY | 5,370 | 1,320 | 1 | .014 |
| MARCH | 5,580 | 600 | | .009 | MARCH | 14,020 | 3,540 | 2 | .019 |
| APRIL | 6,690 | 1,030 | 1 | .012 | APRIL | 4,460 | 1,180 | 1 | .019 |
| MAY | 10,110 | 1,720 | 1 | .012 | MAY | 76,310 | 15,410 | 9 | .013 |
| JUNE | 9,430 | 1,600 | 1 | .012 | JUNE | 213,500 | 110,190 | 72 | .038 |
| JULY | 642,000 | 388,850 | 255 | .044 | JULY | 10,400 | 3,200 | 2 | .023 |
| AUGUST | 8,310 | 1,720 | 1 | .012 | AUGUST | 12,940 | 3,320 | 2 | .019 |
| SEPTEMBER | 518,900 | 150,360 | 99 | .021 | SEPTEMBER | 375,300 | 182,820 | 120 | .038 |
| SUMMARY | 1,246,000 | | | | SUMMARY | 742,300 | 323,590 | 212 | .032 |

WATER YEAR 1943

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 50,140 | 5,913 | 4 | .009 | OCTOBER | 13,730 | 3,360 | 2 | .018 |
| NOVEMBER | 12,490 | 2,170 | 1 | .013 | NOVEMBER | 5,090 | 1,270 | 1 | .018 |
| DECEMBER | 4,350 | 980 | 1 | .017 | DECEMBER | 5,590 | 790 | 1 | .010 |
| JANUARY | 2,370 | 350 | | .011 | JANUARY | 3,290 | 700 | | .016 |
| FEBRUARY | 1,760 | 270 | | .010 | FEBRUARY | 14,250 | 2,700 | 2 | .019 |
| MARCH | 2,440 | 250 | | .008 | MARCH | 18,640 | 6,340 | 4 | .029 |
| APRIL | 2,350 | 212 | | .007 | APRIL | 117,000 | 55,320 | 37 | .039 |
| MAY | 3,940 | 750 | | .014 | MAY | 44,330 | 24,870 | 16 | .041 |
| JUNE | 115,900 | 25,370 | 17 | .016 | JUNE | 40,760 | 22,440 | 15 | .040 |
| JULY | 32,120 | 4,740 | 3 | .011 | JULY | 4,430 | 2,260 | 1 | .037 |
| AUGUST | 2,560 | 580 | | .017 | AUGUST | 3,790 | 2,140 | 1 | .039 |
| SEPTEMBER | 19,020 | 3,200 | 2 | .012 | SEPTEMBER | 2,520 | 1,520 | 1 | .045 |
| SUMMARY | 249,500 | 44,750 | 26 | .013 | SUMMARY | 273,800 | 125,070 | 61 | .034 |

^{1/} Station was established February 2, 1942

NUECES RIVER WATERSHED

WESLEY E. SEALE (MATBIS) DAM STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1946

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 232,100- | 118,390 | 78 | .037 | OCTOBER | 5,100- | 650 | | .009 |
| NOVEMBER | 3,430- | 1,360 | 1 | .029 | NOVEMBER | 3,880- | 310 | | .006 |
| DECEMBER | 3,920- | 1,740 | 1 | .033 | DECEMBER | 2,010- | 270 | | .010 |
| JANUARY | 3,240- | 1,940 | 1 | .044 | JANUARY | 2,440- | 220 | | .007 |
| FEBRUARY | 2,890- | 1,070 | 1 | .027 | FEBRUARY | 1,750- | 170 | | .007 |
| MARCH | 10,580- | 3,100 | 2 | .022 | MARCH | 1,910- | 210 | | .008 |
| APRIL | 26,510- | 5,830 | 4 | .016 | APRIL | 2,220- | 250 | | .008 |
| MAY | 158,200- | 33,320 | 22 | .015 | MAY | 2,410- | 300 | | .009 |
| JUNE | 139,000- | 21,090 | 14 | .011 | JUNE | 2,600- | 320 | | .009 |
| JULY | 6,760- | 870 | 1 | .009 | JULY | 72,180- | 11,030 | 7 | .011 |
| AUGUST | 33,280- | 6,030 | 4 | .013 | AUGUST | 2,830- | 410 | | .010 |
| SEPTEMBER | 317,000- | 155,690 | 102 | .036 | SEPTEMBER | 8,030- | 1,030 | 1 | .009 |
| SUMMARY | 936,900 | 350,430 | 231 | .027 | SUMMARY | 107,400 | 15,170 | 8 | .010 |

WATER YEAR 1947

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 589,500- | 201,980 | 132 | .025 | OCTOBER | 31,860- | 3,610 | 2 | .008 |
| NOVEMBER | 14,210- | 2,290 | 2 | .012 | NOVEMBER | 7,600- | 410 | | .004 |
| DECEMBER | 5,150- | 620 | | .009 | DECEMBER | 1,960- | 170 | | .006 |
| JANUARY | 5,430- | 550 | | .007 | JANUARY | 2,450- | 290 | | .009 |
| FEBRUARY | 4,660- | 1,160 | 1 | .018 | FEBRUARY | 2,700- | 240 | | .007 |
| MARCH | 5,120- | 590 | | .008 | MARCH | 145,800- | 22,780 | 15 | .011 |
| APRIL | 9,910- | 1,040 | 1 | .008 | APRIL | 200,200- | 102,270 | 67 | .038 |
| MAY | 171,800- | 28,350 | 19 | .012 | MAY | 244,500- | 50,100 | 33 | .015 |
| JUNE | 40,500- | 1,680 | 1 | .003 | JUNE | 108,400- | 12,930 | 8 | .009 |
| JULY | 53,790- | 4,810 | 3 | .007 | JULY | 97,800- | 15,930 | 10 | .012 |
| AUGUST | 15,380- | 1,320 | 1 | .006 | AUGUST | 39,980- | 3,800 | 2 | .007 |
| SEPTEMBER | 6,010- | 340 | | .004 | SEPTEMBER | 3,990- | 240 | | .004 |
| SUMMARY | 921,500 | 244,730 | 160 | .020 | SUMMARY | 887,200 | 212,770 | 137 | .018 |

NUECES RIVER WATERSHED

WESLEY E. SEALE (MATHIS) DAM STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 28,220- | 2,670 | 2 | .007 |
| NOVEMBER | 15,090- | 910 | 1 | .004 |
| DECEMBER | 18,360- | 5,630 | 4 | .023 |
| JANUARY | 3,860- | 440 | | .008 |
| FEBRUARY | 2,360- | 230 | | .007 |
| MARCH | 2,420- | 280 | | .009 |
| APRIL | 2,710- | 620 | | .017 |
| MAY | 40,070- | 5,320 | 3 | .010 |
| JUNE | 116,300- | 11,400 | 7 | .007 |
| JULY | 9,000- | 1,160 | 1 | .009 |
| AUGUST | 4,260- | 310 | | .005 |
| SEPTEMBER | 3,720- | 190 | | .004 |
| SUMMARY | 246,400 | 29,160 | 18 | .009 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 19,250- | 870 | 1 | .003 |
| NOVEMBER | 4,120- | 200 | | .004 |
| DECEMBER | 2,490- | 160 | | .005 |
| JANUARY | 2,720- | 210 | | .006 |
| FEBRUARY | 3,410- | 190 | | .004 |
| MARCH | 4,630- | 380 | | .006 |
| APRIL | 9,360- | 1,410 | 1 | .004 |
| MAY | 24,510- | 4,120 | 3 | .012 |
| JUNE | 82,160- | 16,320 | 11 | .015 |
| JULY | 9,520- | 850 | 1 | .007 |
| AUGUST | 4,700- | 560 | 1 | .009 |
| SEPTEMBER | 10,440- | 400 | | .003 |
| SUMMARY | 177,300 | 25,670 | 18 | .011 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 13,290- | 570 | | .003 |
| NOVEMBER | 3,550- | 310 | | .006 |
| DECEMBER | 2,930- | 160 | | .004 |
| JANUARY | 2,610- | 200 | | .006 |
| FEBRUARY | 2,500- | 230 | | .007 |
| MARCH | 2,620- | 200 | | .006 |
| APRIL | 2,860- | 150 | | .004 |
| MAY | 59,640- | 8,970 | 7 | .011 |
| JUNE | 137,900- | 33,210 | 22 | .018 |
| JULY | 4,120- | 510 | | .009 |
| AUGUST | 4,140- | 450 | | .009 |
| SEPTEMBER | 186,000- | 61,780 | 41 | .024 |
| SUMMARY | 422,200 | 106,740 | 70 | .019 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 3,400- | 330 | | .007 |
| NOVEMBER | 2,710- | 180 | | .005 |
| DECEMBER | 2,710- | 170 | | .005 |
| JANUARY | 3,150- | 220 | | .005 |
| FEBRUARY | 2,570- | 240 | | .007 |
| MARCH | 3,250- | 400 | | .009 |
| APRIL | 4,170- | 480 | | .008 |
| MAY | 81,150- | 15,800 | 10 | .014 |
| JUNE | 4,370- | 480 | | .008 |
| JULY | 5,070- | 330 | | .005 |
| AUGUST | 23,720- | 1,910 | 1 | .006 |
| SEPTEMBER | 400,200- | 138,660 | 91 | .025 |
| SUMMARY | 536,500 | 159,200 | 102 | .022 |

NUECES RIVER WATERSHED

WESLEY E. SEALE (MATHIS) DAM STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 65,690- | 3,870 | 3 | .004 |
| NOVEMBER | 40,890- | 6,560 | 4 | .012 |
| DECEMBER | 2,710- | 150 | | .004 |
| JANUARY | 2,730- | 80 | | .002 |
| FEBRUARY | 3,260- | 190 | | .004 |
| MARCH | 3,710- | 440 | | .009 |
| APRIL | 3,120- | 360 | | .008 |
| MAY | 3,710- | 500 | | .010 |
| JUNE | 55,260- | 10,800 | 7 | .014 |
| JULY | 145,300- | 42,890 | 28 | .022 |
| AUGUST | 5,320- | 680 | 1 | .009 |
| SEPTEMBER | 4,630- | 500 | | .008 |
| SUMMARY | 336,300 | 67,020 | 43 | .015 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 41,310- | 2,424 | 2 | .004 |
| NOVEMBER | 3,660- | 299 | | .006 |
| DECEMBER | 2,790- | 161 | | .004 |
| JANUARY | 3,200- | 284 | | .007 |
| FEBRUARY | 3,040- | 373 | | .009 |
| MARCH | 3,630- | 344 | | .007 |
| APRIL | 2,920- | 352 | | .009 |
| MAY | 4,310- | 836 | 1 | .014 |
| JUNE | 6,310- | 870 | 1 | .010 |
| JULY | 6,790- | 825 | 1 | .009 |
| AUGUST | 11,280 | 970 | 1 | .006 |
| SEPTEMBER | 44,030- | 4,427 | 3 | .007 |
| SUMMARY | 133,300 | 12,165 | 9 | .007 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 4,450- | 345 | | .006 |
| NOVEMBER | 7,650- | 416 | | .004 |
| DECEMBER | 3,590- | 293 | | .006 |
| JANUARY | 2,980- | 580 | | .011 |
| FEBRUARY | 3,020- | 417 | | .010 |
| MARCH | 4,260- | 485 | | .008 |
| APRIL | 4,410- | 368 | | .006 |
| MAY | 17,260- | 939 | 1 | .004 |
| JUNE | 15,180- | 826 | 1 | .004 |
| JULY | 5,550- | 638 | | .008 |
| AUGUST | 6,120- | 715 | | .009 |
| SEPTEMBER | 22,930- | 1,247 | 1 | .004 |
| SUMMARY | 97,400 | 7,269 | 3 | .005 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 39,030- | 7,530 | 5 | .014 |
| NOVEMBER | 6,440- | 492 | | .006 |
| DECEMBER | 5,740- | 496 | | .006 |
| JANUARY | 3,710- | 332 | | .007 |
| FEBRUARY | 3,530- | 144 | | .003 |
| MARCH | 19,710- | 3,932 | 3 | .015 |
| APRIL | 158,500- | 5,365 | 37 | .026 |
| MAY | 583,000- | 242,963 | 159 | .031 |
| JUNE | 484,500- | 219,461 | 144 | .033 |
| JULY | 6,720- | 613 | | .007 |
| AUGUST | 6,500- | 770 | | .009 |
| SEPTEMBER | 103,300- | 28,641 | 19 | .020 |
| SUMMARY | 1,421,000 | 561,739 | 367 | .029 |

NUECES RIVER WATERSHED

WESLEY E. SEALE (MATHIS) DAM STATION ON THE NUECES RIVER - CONTINUED

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 129,000 | 21,048 | 14 | .012 |
| NOVEMBER | 46,410 | 5,407 | 4 | .009 |
| DECEMBER | 5,620 | 913 | 1 | .012 |
| JANUARY | 307,100 | 105,118 | 79 | .025 |
| FEBRUARY | 286,000 | 167,105 | 110 | .045 |
| MARCH | 209,100 | 93,625 | 62 | .026 |
| APRIL | 5,190 | 708 | | .010 |
| MAY | 5,140 | 667 | | .010 |
| JUNE ^{2/} | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

^{2/} Records for June 1958 through September 1959 were found to be invalid and were excluded

RIO GRANDE WATERSHED

EAGLE PASS STATION ON THE RIO GRANDE

Net Drainage Area: 125,260 sq. mi.

Location: Railroad bridge between Eagle Pass, Texas and Piedras Negras, Mexico

Records Available: April 2, 1934 to May 14, 1935; June 18, 1935 to May 31, 1943

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|---------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL ^{1/} | 144,000 | 1,374 | 9 | .007 |
| MAY | 175,000 | 31,353 | 206 | .132 |
| JUNE | 189,000 | 111,006 | 728 | .431 |
| JULY | 143,000 | 24,494 | 161 | .126 |
| AUGUST | 139,000 | 31,976 | 209 | .168 |
| SEPTEMBER | 166,000 | 66,525 | 436 | .294 |
| SUMMARY | | | | |

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 384,000 | 79,553 | 522 | .152 |
| NOVEMBER | 230,000 | 18,971 | 124 | .061 |
| DECEMBER | 180,000 | 582 | 3 | .002 |
| JANUARY | 173,000 | 17 | | |
| FEBRUARY | 143,000 | 403 | 3 | .002 |
| MARCH | 161,000 | 2,121 | 14 | .010 |
| APRIL | 121,000 | 5,805 | 38 | .035 |
| MAY | 211,000 | 76,196 | 500 | .265 |
| JUNE | 287,000 | 73,132 | 480 | .187 |
| JULY | 249,000 | 46,060 | 302 | .136 |
| AUGUST | 167,000 | 88,206 | 579 | .388 |
| SEPTEMBER | 762,000 | 485,471 | 3,808 | .654 |
| SUMMARY | 3,068,000 | 1,276,317 | 8,373 | .306 |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 121,000 | 9,909 | 65 | .060 |
| NOVEMBER | 109,000 | 2,315 | 15 | .016 |
| DECEMBER | 112,000 | 138 | 1 | .001 |
| JANUARY | 116,000 | 57 | | |
| FEBRUARY | 99,200 | 418 | 3 | .003 |
| MARCH | 108,000 | 27,302 | 179 | .186 |
| APRIL | 118,000 | 35,268 | 231 | .220 |
| MAY ^{2/} | 32,160 | 432 | 3 | .010 |
| JUNE | 147,900 | 43,192 | 283 | .215 |
| JULY | 267,000 | 47,262 | 310 | .130 |
| AUGUST | 207,000 | 60,272 | 395 | .214 |
| SEPTEMBER | 1,285,000 | 760,673 | 4,989 | .435 |
| SUMMARY | | | | |

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 376,000 | 86,922 | 570 | .170 |
| NOVEMBER | 180,000 | 4,079 | 27 | .017 |
| DECEMBER | 181,000 | 2,197 | 14 | .009 |
| JANUARY | 158,000 | 536 | 4 | .002 |
| FEBRUARY | 134,000 | 2,099 | 14 | .012 |
| MARCH | 136,000 | 4,067 | 27 | .022 |
| APRIL | 99,600 | 1,861 | 12 | .014 |
| MAY | 117,000 | 4,498 | 32 | .031 |
| JUNE | 274,000 | 380,814 | 2,498 | 1.021 |
| JULY | 125,000 | 14,570 | 96 | .086 |
| AUGUST | 136,000 | 123,168 | 608 | .665 |
| SEPTEMBER | 261,000 | 553,635 | 4,287 | 1.840 |
| SUMMARY | 2,177,600 | 1,278,946 | 8,389 | .431 |

^{1/} Station was established April 2, 1934

^{2/} May 15 thru June 17 excluded due to insufficient sampling

RIO GRANDE WATERSHED

EAGLE PASS STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 284,000 | 210,712 | 1,392 | .545 |
| NOVEMBER | 139,000 | 29,780 | 195 | .157 |
| DECEMBER | 166,000 | 12,236 | 80 | .054 |
| JANUARY | 189,000 | 18,066 | 118 | .070 |
| FEBRUARY | 143,000 | 1,679 | 11 | .009 |
| MARCH | 128,000 | 717 | 5 | .004 |
| APRIL | 98,100 | 4,481 | 29 | .034 |
| MAY | 102,000 | 4,702 | 31 | .034 |
| JUNE | 169,000 | 315,803 | 2,071 | 1.373 |
| JULY | 1,255,000 | 1,126,899 | 7,391 | .660 |
| AUGUST | 493,000 | 192,762 | 1,264 | .287 |
| SEPTEMBER | 1,071,000 | 736,776 | 4,833 | .505 |
| SUMMARY | 4,237,100 | 2,654,613 | 17,410 | .460 |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 165,000 | 28,434 | 187 | .127 |
| NOVEMBER | 160,000 | 29,294 | 192 | .134 |
| DECEMBER | 136,000 | 1,474 | 10 | .008 |
| JANUARY | 131,490 | 362 | 2 | .002 |
| FEBRUARY | 121,870 | 4,610 | 30 | .026 |
| MARCH | 106,060 | 2,435 | 16 | .017 |
| APRIL | 133,350 | 5,132 | 34 | .028 |
| MAY | 201,430 | 110,439 | 724 | .403 |
| JUNE | 184,680 | 58,983 | 387 | .235 |
| JULY | 170,520 | 67,811 | 445 | .292 |
| AUGUST | 272,290 | 185,527 | 1,217 | .501 |
| SEPTEMBER | 182,500 | 80,264 | 526 | .325 |
| SUMMARY | 1,965,170 | 574,765 | 3,770 | .215 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 383,000 | 55,159 | 362 | .106 |
| NOVEMBER | 186,000 | 2,055 | 13 | .008 |
| DECEMBER | 165,000 | 714 | 5 | .003 |
| JANUARY | 156,000 | 793 | 5 | .004 |
| FEBRUARY | 145,000 | 916 | 6 | .005 |
| MARCH | 133,000 | 1,302 | 9 | .007 |
| APRIL | 92,100 | 441 | 3 | .004 |
| MAY | 155,000 | 22,102 | 145 | .105 |
| JUNE | 117,000 | 3,324 | 22 | .021 |
| JULY | 138,000 | 18,915 | 124 | .101 |
| AUGUST | 381,000 | 289,150 | 1,857 | .558 |
| SEPTEMBER | 138,000 | 8,916 | 58 | .047 |
| SUMMARY | 2,189,100 | 403,787 | 2,649 | .136 |

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 184,860 | 256,867 | 1,685 | 1.021 |
| NOVEMBER | 121,810 | 10,983 | 72 | .066 |
| DECEMBER | 105,620 | 2,470 | 16 | .017 |
| JANUARY | 104,400 | 3,085 | 20 | .022 |
| FEBRUARY | 122,000 | 3,105 | 20 | .019 |
| MARCH | 113,800 | 963 | 6 | .006 |
| APRIL | 170,700 | 29,846 | 196 | .128 |
| MAY | 407,600 | 612,002 | 4,014 | 1.103 |
| JUNE | 359,700 | 134,058 | 880 | .274 |
| JULY | 414,600 | 502,528 | 3,296 | .890 |
| AUGUST | 417,100 | 310,379 | 2,036 | .547 |
| SEPTEMBER | 811,400 | 529,818 | 3,475 | .680 |
| SUMMARY | 3,333,590 | 2,396,104 | 15,716 | .528 |

RIO GRANDE WATERSHED

EAGLE PASS STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,680,300 | 843,900 | 5,535 | .369 |
| NOVEMBER | 512,800 | 44,629 | 293 | .064 |
| DECEMBER | 294,500 | 9,562 | 63 | .024 |
| JANUARY | 225,800 | 4,037 | 26 | .013 |
| FEBRUARY | 181,400 | 4,676 | 31 | .019 |
| MARCH | 169,800 | 4,402 | 29 | .019 |
| APRIL | 139,900 | 7,810 | 51 | .041 |
| MAY | 349,900 | 83,592 | 548 | .175 |
| JUNE | 331,000 | 61,238 | 402 | .135 |
| JULY | 264,100 | 37,015 | 243 | .103 |
| AUGUST | 538,200 | 770,534 | 5,054 | 1.092 |
| SEPTEMBER | 1,541,400 | 1,572,815 | 10,316 | .750 |
| SUMMARY | 5,229,100 | 3,444,210 | 22,591 | .406 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 573,300 | 91,525 | 601 | .117 |
| NOVEMBER | 320,100 | 26,730 | 175 | .061 |
| DECEMBER | 225,800 | 7,650 | 50 | .025 |
| JANUARY | 196,500 | 4,911 | 32 | .018 |
| FEBRUARY | 155,700 | 3,144 | 21 | .015 |
| MARCH | 156,800 | 4,202 | 28 | .020 |
| APRIL | 126,500 | 6,546 | 43 | .038 |
| MAY 31 | 204,300 | 67,976 | 577 | .310 |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

3/ Station was discontinued May 31, 1943

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE

Net Drainage Area: 157,204 sq. mi.

Location: Bridge between Roma, Texas and Ciudad Miguel Aleman, Mexico

Records Available: March 26, 1929 to May 31, 1943

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|---------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH ^{1/} | 32,200 | 1,708 | 11 | .039 |
| APRIL | 185,000 | 40,534 | 266 | .161 |
| MAY | 326,000 | 159,405 | 1,046 | .359 |
| JUNE | 184,000 | 32,166 | 211 | .128 |
| JULY | 240,000 | 116,986 | 767 | .358 |
| AUGUST | 276,000 | 139,213 | 913 | .371 |
| SEPTEMBER | 338,000 | 280,247 | 1,838 | .609 |
| SUMMARY | | | | |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 732,000 | 457,388 | 3,000 | .459 |
| NOVEMBER | 336,000 | 40,905 | 267 | .090 |
| DECEMBER | 213,000 | 4,295 | 20 | .015 |
| JANUARY | 208,000 | 7,016 | 46 | .025 |
| FEBRUARY | 220,000 | 4,416 | 29 | .015 |
| MARCH | 201,000 | 6,043 | 40 | .022 |
| APRIL | 180,000 | 21,171 | 139 | .086 |
| MAY | 473,000 | 211,272 | 1,385 | .328 |
| JUNE | 290,000 | 59,071 | 387 | .150 |
| JULY | 542,520 | 333,217 | 2,105 | .451 |
| AUGUST | 285,100 | 103,505 | 679 | .267 |
| SEPTEMBER | 152,740 | 6,286 | 41 | .030 |
| SUMMARY | 3,033,360 | 1,254,645 | 6,230 | .240 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 252,000 | 55,306 | 363 | .161 |
| NOVEMBER | 171,000 | 29,459 | 193 | .127 |
| DECEMBER | 192,000 | 46,705 | 306 | .179 |
| JANUARY | 146,000 | 2,458 | 16 | .012 |
| FEBRUARY | 138,000 | 17,674 | 116 | .094 |
| MARCH | 39,000 | 2,681 | 18 | .020 |
| APRIL | 223,000 | 194,729 | 1,277 | .641 |
| MAY | 406,000 | 357,882 | 2,347 | .648 |
| JUNE | 595,000 | 394,064 | 2,585 | .487 |
| JULY | 131,000 | 7,126 | 47 | .040 |
| AUGUST | 246,000 | 227,362 | 1,504 | .685 |
| SEPTEMBER | 117,000 | 23,188 | 152 | .146 |
| SUMMARY | 2,716,000 | 1,360,634 | 8,924 | .368 |

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 180,820 | 14,350 | 127 | .079 |
| NOVEMBER | 151,820 | 2,682 | 18 | .013 |
| DECEMBER | 192,580 | 7,458 | 49 | .028 |
| JANUARY | 166,910 | 3,484 | 23 | .015 |
| FEBRUARY | 152,330 | 4,757 | 31 | .023 |
| MARCH | 155,070 | 6,843 | 45 | .032 |
| APRIL | 133,470 | 34,532 | 226 | .190 |
| MAY | 233,460 | 92,474 | 607 | .291 |
| JUNE | 112,700 | 8,474 | 56 | .055 |
| JULY | 195,410 | 67,997 | 446 | .256 |
| AUGUST | 228,080 | 249,117 | 1,634 | .802 |
| SEPTEMBER | 3,166,220 | 2,430,530 | 15,742 | .564 |
| SUMMARY | 5,068,870 | 2,927,720 | 19,204 | .424 |

^{1/} Station was established March 26, 1929

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FOOT | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,432,240 | 1,345,070 | 8,822 | .406 |
| NOVEMBER | 735,960 | 42,240 | 277 | .042 |
| DECEMBER | 565,140 | 21,177 | 139 | .028 |
| JANUARY | 467,370 | 12,565 | 82 | .020 |
| FEBRUARY | 349,000 | 9,332 | 61 | .020 |
| MARCH | 260,610 | 3,861 | 25 | .011 |
| APRIL | 223,560 | 9,546 | 63 | .031 |
| MAY | 195,530 | 13,836 | 91 | .052 |
| JUNE | 178,240 | 7,696 | 50 | .032 |
| JULY | 265,390 | 54,006 | 354 | .149 |
| AUGUST | 242,620 | 25,227 | 165 | .076 |
| SEPTEMBER | 1,266,270 | 1,036,935 | 6,801 | .602 |
| SUMMARY | 7,181,930 | 2,561,491 | 16,930 | .264 |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FOOT | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 163,000 | 24,792 | 165 | .112 |
| NOVEMBER | 127,000 | 16,259 | 107 | .054 |
| DECEMBER | 114,000 | 975 | 8 | .006 |
| JANUARY | 119,000 | 274 | 2 | .002 |
| FEBRUARY | 108,000 | 1,458 | 10 | .010 |
| MARCH | 126,000 | 13,175 | 86 | .077 |
| APRIL | 164,000 | 62,744 | 412 | .261 |
| MAY | 570,000 | 339,499 | 2,227 | .438 |
| JUNE | 1,586,000 | 1,057,604 | 6,937 | .470 |
| JULY | 400,000 | 140,736 | 923 | .258 |
| AUGUST | 248,000 | 45,807 | 300 | .136 |
| SEPTEMBER | 1,499,000 | 1,130,518 | 7,415 | .554 |
| SUMMARY | 5,224,000 | 2,833,841 | 18,758 | .399 |

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF TONS | STREAM ACRE-FOOT | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 873,950 | 197,211 | 1,294 | .215 |
| NOVEMBER | 253,890 | 6,584 | 43 | .019 |
| DECEMBER | 207,590 | 1,803 | 12 | .006 |
| JANUARY | 219,000 | 7,324 | 48 | .025 |
| FEBRUARY | 177,000 | 2,405 | 16 | .010 |
| MARCH | 174,000 | 2,041 | 13 | .009 |
| APRIL | 239,000 | 52,623 | 345 | .162 |
| MAY | 219,000 | 28,101 | 184 | .094 |
| JUNE | 253,000 | 64,255 | 421 | .187 |
| JULY | 189,000 | 33,011 | 222 | .131 |
| AUGUST | 157,000 | 16,542 | 109 | .077 |
| SEPTEMBER | 196,000 | 88,073 | 578 | .330 |
| SUMMARY | 2,958,430 | 500,756 | 3,285 | .124 |

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF TONS | STREAM ACRE-FOOT | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 471,000 | 180,174 | 1,051 | .250 |
| NOVEMBER | 252,000 | 24,635 | 162 | .072 |
| DECEMBER | 231,000 | 10,766 | 71 | .034 |
| JANUARY | 190,000 | 341 | 2 | .001 |
| FEBRUARY | 159,000 | 346 | 2 | .002 |
| MARCH | 188,000 | 3,494 | 23 | .014 |
| APRIL | 144,000 | 13,750 | 90 | .070 |
| MAY | 434,000 | 240,717 | 1,579 | .407 |
| JUNE | 202,000 | 78,284 | 513 | .285 |
| JULY | 515,000 | 214,162 | 1,405 | .305 |
| AUGUST | 220,000 | 74,528 | 489 | .249 |
| SEPTEMBER | 958,000 | 1,005,507 | 6,595 | .771 |
| SUMMARY | 3,964,000 | 1,826,704 | 11,982 | .339 |

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 536,000 | 320,414 | 2,102 | .439 |
| NOVEMBER | 194,000 | 1,535 | 10 | .006 |
| DECEMBER | 200,000 | 139 | 1 | .001 |
| JANUARY | 175,000 | 46 | | |
| FEBRUARY | 147,000 | 94 | 1 | |
| MARCH | 155,000 | 2,445 | 16 | .012 |
| APRIL | 104,000 | 105 | 1 | .001 |
| MAY | 133,000 | 12,895 | 85 | .071 |
| JUNE | 361,000 | 341,236 | 2,238 | .694 |
| JULY | 144,000 | 6,034 | 45 | .035 |
| AUGUST | 162,000 | 78,611 | 516 | .356 |
| SEPTEMBER | 217,000 | 252,544 | 1,656 | .855 |
| SUMMARY | 2,528,000 | 1,016,918 | 9,671 | .296 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 504,000 | 131,909 | 867 | .192 |
| NOVEMBER | 190,000 | 629 | 4 | .002 |
| DECEMBER | 178,000 | 2,455 | 16 | .016 |
| JANUARY | 170,000 | 380 | 2 | .002 |
| FEBRUARY | 147,000 | 312 | 2 | .002 |
| MARCH | 132,000 | 177 | 1 | .001 |
| APRIL | 125,500 | 19,419 | 127 | .114 |
| MAY | 454,000 | 247,745 | 1,625 | .401 |
| JUNE | 193,000 | 58,923 | 386 | .224 |
| JULY | 136,000 | 2,824 | 19 | .015 |
| AUGUST | 402,000 | 352,791 | 2,311 | .645 |
| SEPTEMBER | 199,000 | 54,950 | 360 | .263 |
| SUMMARY | 2,830,500 | 872,514 | 5,721 | .226 |

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 344,000 | 301,053 | 1,975 | .643 |
| NOVEMBER | 138,000 | 8,513 | 56 | .045 |
| DECEMBER | 164,000 | 10,310 | 68 | .046 |
| JANUARY | 209,000 | 24,527 | 161 | .086 |
| FEBRUARY | 148,000 | 3,928 | 26 | .019 |
| MARCH | 160,000 | 26,778 | 176 | .123 |
| APRIL | 147,000 | 29,280 | 192 | .146 |
| MAY | 167,000 | 58,506 | 384 | .257 |
| JUNE | 92,600 | 11,404 | 75 | .090 |
| JULY | 1,217,000 | 1,321,657 | 8,670 | .798 |
| AUGUST | 743,000 | 471,180 | 3,030 | .466 |
| SEPTEMBER | 1,083,000 | 803,176 | 5,268 | .545 |
| SUMMARY | 4,612,600 | 3,070,492 | 20,141 | .489 |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 289,000 | 130,983 | 859 | .333 |
| NOVEMBER | 153,000 | 6,448 | 42 | .031 |
| DECEMBER | 139,000 | 1,989 | 13 | .011 |
| JANUARY | 133,800 | 472 | 3 | .003 |
| FEBRUARY | 125,100 | 2,149 | 14 | .013 |
| MARCH | 325,600 | 266,272 | 1,747 | .601 |
| APRIL | 145,900 | 33,501 | 220 | .169 |
| MAY | 317,500 | 166,300 | 1,095 | .386 |
| JUNE | 426,400 | 240,615 | 1,578 | .415 |
| JULY | 260,000 | 95,112 | 624 | .267 |
| AUGUST | 347,600 | 265,520 | 1,742 | .561 |
| SEPTEMBER | 326,900 | 199,929 | 1,311 | .449 |
| SUMMARY | 2,990,200 | 1,409,890 | 9,248 | .346 |

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 379,400 | 477,054 | 3,129 | .924 |
| NOVEMBER | 136,600 | 8,196 | 54 | .043 |
| DECEMBER | 125,100 | 5,500 | 36 | .032 |
| JANUARY | 147,600 | 19,664 | 129 | .098 |
| FEBRUARY | 141,100 | 9,874 | 65 | .051 |
| MARCH | 123,900 | 1,352 | 9 | .008 |
| APRIL | 141,500 | 27,938 | 183 | .145 |
| MAY | 706,300 | 746,225 | 4,895 | .790 |
| JUNE | 609,000 | 426,427 | 2,797 | .514 |
| JULY | 410,700 | 284,034 | 1,863 | .508 |
| AUGUST | 450,200 | 434,072 | 2,852 | .710 |
| SEPTEMBER | 678,700 | 755,230 | 4,822 | .615 |
| SUMMARY | 4,252,100 | 3,176,366 | 20,834 | .549 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 728,800 | 260,691 | 1,710 | .263 |
| NOVEMBER | 338,700 | 31,247 | 200 | .068 |
| DECEMBER | 244,000 | 6,820 | 45 | .021 |
| JANUARY | 226,200 | 17,762 | 117 | .056 |
| FEBRUARY | 168,000 | 1,401 | 7 | .008 |
| MARCH | 165,400 | 3,228 | 21 | .014 |
| APRIL | 135,500 | 7,377 | 48 | .040 |
| MAY ^{2/} | 239,000 | 112,836 | 743 | .347 |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 1,639,300 | 917,270 | 4,016 | .411 |
| NOVEMBER | 592,900 | 95,837 | 629 | .119 |
| DECEMBER | 314,200 | 12,346 | 81 | .029 |
| JANUARY | 262,800 | 4,720 | 31 | .015 |
| FEBRUARY | 203,000 | 1,220 | 8 | .004 |
| MARCH | 197,900 | 4,946 | 30 | .017 |
| APRIL | 175,500 | 8,674 | 57 | .036 |
| MAY | 487,500 | 193,105 | 1,267 | .291 |
| JUNE | 389,500 | 76,426 | 501 | .144 |
| JULY | 668,600 | 371,050 | 2,434 | .408 |
| AUGUST | 490,900 | 400,021 | 2,886 | .658 |
| SEPTEMBER | 1,690,000 | 1,053,533 | 6,910 | .456 |
| SUMMARY | 7,112,500 | 3,178,762 | 20,850 | .328 |

^{2/} Station was discontinued May 31, 1943

RECORDS OF SUSPENDED SILT LOADS FROM SAMPLING STATIONS
operated by
INTERNATIONAL BOUNDARY AND WATER COMMISSION

RIO GRANDE WATERSHED

EL PASO STATION ON THE RIO GRANDE

Net Drainage Area: 29,267 sq. mi., all in the United States

Location: Cable car 5 miles northwest of El Paso, Texas, 1.9 miles upstream from the American Dam

Records Available: September 1, 1947 to date

Comments: Prior to 1950 samples were taken 1 mile downstream from present location

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 25,200 | | | |
| NOVEMBER | 15,200 | | | |
| DECEMBER | 14,000 | | | |
| JANUARY | 9,860 | | | |
| FEBRUARY | 9,140 | | | |
| MARCH | 37,300 | | | |
| APRIL | 65,000 | | | |
| MAY | 51,800 | | | |
| JUNE | 63,200 | | | |
| JULY | 69,700 | | | |
| AUGUST | 77,800 | | | |
| SEPTEMBER 1/ | 40,600 | 33,950 | 23 | .062 |
| SUMMARY | 438,200 | | | |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 18,900 | 3,130 | 2 | .012 |
| NOVEMBER | 13,400 | 1,850 | 1 | .010 |
| DECEMBER | 13,300 | 3,100 | 2 | .017 |
| JANUARY | 10,800 | 2,010 | 1 | .014 |
| FEBRUARY | 8,140 | 1,230 | 1 | .011 |
| MARCH | 34,400 | 19,900 | 14 | .042 |
| APRIL | 57,200 | 39,000 | 27 | .050 |
| MAY | 56,200 | 19,300 | 13 | .025 |
| JUNE | 59,100 | 20,600 | 14 | .026 |
| JULY | 73,500 | 55,900 | 38 | .056 |
| AUGUST | 65,500 | 23,100 | 19 | .032 |
| SEPTEMBER | 51,500 | 134,000 | 92 | .191 |
| SUMMARY | 461,940 | 324,120 | 224 | .052 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 14,600 | 1,433 | 1 | .007 |
| NOVEMBER | 10,400 | 1,160 | 1 | .008 |
| DECEMBER | 9,460 | 659 | | .005 |
| JANUARY | 7,770 | 358 | | .003 |
| FEBRUARY | 6,510 | 474 | | .005 |
| MARCH | 22,300 | 7,150 | 5 | .024 |
| APRIL | 51,600 | 48,700 | 34 | .070 |
| MAY | 49,700 | 91,900 | 63 | .136 |
| JUNE | 59,800 | 69,700 | 48 | .086 |
| JULY | 74,800 | 69,000 | 48 | .068 |
| AUGUST | 71,800 | 82,500 | 57 | .085 |
| SEPTEMBER | 41,800 | 33,800 | 23 | .059 |
| SUMMARY | 420,540 | 406,834 | 280 | .071 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 20,100 | 3,870 | 3 | .014 |
| NOVEMBER | 14,900 | 2,130 | 2 | .010 |
| DECEMBER | 12,200 | 1,190 | 1 | .007 |
| JANUARY | 9,830 | 784 | 1 | .006 |
| FEBRUARY | 10,200 | 3,210 | 2 | .023 |
| MARCH | 48,000 | 49,000 | 34 | .075 |
| APRIL | 57,700 | 39,300 | 27 | .050 |
| MAY | 56,700 | 29,300 | 20 | .038 |
| JUNE | 59,600 | 221,000 | 152 | .273 |
| JULY | 78,400 | 180,000 | 124 | .169 |
| AUGUST | 68,800 | 75,100 | 52 | .080 |
| SEPTEMBER | 44,500 | 19,100 | 13 | .032 |
| SUMMARY | 480,930 | 623,984 | 431 | .095 |

1/ Sampling record began September 1947

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RIO GRANDE WATERSHED

EL PASO STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 18,300 | 17,100 | 12 | .069 |
| NOVEMBER | 10,900 | 457 | | .003 |
| DECEMBER | 9,700 | 179 | | .001 |
| JANUARY | 8,460 | 171 | | .001 |
| FEBRUARY | 6,570 | 115 | | .001 |
| MARCH | 24,600 | 31,400 | 22 | .094 |
| APRIL | 32,300 | 13,100 | 9 | .030 |
| MAY | 17,900 | 2,740 | 2 | .011 |
| JUNE | 33,900 | 15,300 | 11 | .035 |
| JULY | 45,500 | 27,300 | 19 | .044 |
| AUGUST | 47,800 | 17,300 | 12 | .027 |
| SEPTEMBER | 17,100 | 2,530 | 2 | .011 |
| SUMMARY | 273,030 | 128,692 | 89 | .035 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 7,410 | 274 | | .003 |
| NOVEMBER | 5,120 | 142 | | .002 |
| DECEMBER | 5,000 | 187 | | .003 |
| JANUARY | 4,320 | 291 | | .005 |
| FEBRUARY | 2,870 | 234 | | .006 |
| MARCH | 34,900 | 23,400 | 16 | .049 |
| APRIL | 33,000 | 65,600 | 45 | .146 |
| MAY | 24,700 | 7,340 | 5 | .022 |
| JUNE | 35,200 | 15,000 | 10 | .031 |
| JULY | 42,400 | 52,600 | 36 | .091 |
| AUGUST | 46,800 | 48,100 | 33 | .076 |
| SEPTEMBER | 26,800 | 11,900 | 8 | .032 |
| SUMMARY | 268,520 | 225,068 | 153 | .062 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 6,930 | 380 | | .004 |
| NOVEMBER | 5,640 | 303 | | .004 |
| DECEMBER | 5,300 | 247 | | .003 |
| JANUARY | 4,290 | 56 | | .001 |
| FEBRUARY | 3,190 | 306 | | .007 |
| MARCH | 8,970 | 4,560 | 3 | .037 |
| APRIL | 26,100 | 5,600 | 4 | .016 |
| MAY | 34,400 | 10,800 | 7 | .023 |
| JUNE | 47,100 | 51,000 | 35 | .080 |
| JULY | 51,400 | 55,800 | 38 | .080 |
| AUGUST | 58,000 | 57,900 | 40 | .073 |
| SEPTEMBER | 32,700 | 9,060 | 6 | .020 |
| SUMMARY | 284,020 | 196,012 | 133 | .051 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 5,530 | 414 | | .006 |
| NOVEMBER | 4,290 | 74 | | .001 |
| DECEMBER | 3,690 | 55 | | .001 |
| JANUARY | 3,250 | 133 | | .003 |
| FEBRUARY | 2,010 | 18 | | .001 |
| MARCH | 5,470 | 1,750 | 1 | .024 |
| APRIL | 22,700 | 5,520 | 4 | .018 |
| MAY | 12,700 | 7,820 | 5 | .045 |
| JUNE | 12,500 | 6,650 | 5 | .039 |
| JULY | 16,200 | 1,610 | 1 | .007 |
| AUGUST | 11,700 | 96,800 | 67 | .609 |
| SEPTEMBER | 2,430 | 2,670 | 2 | .081 |
| SUMMARY | 102,470 | 123,514 | 85 | .089 |

RIO GRANDE WATERSHED

EL PASO STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1955

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 3,790 | 54,100 | 37 | .050 | OCTOBER | 151 | 19 | | .009 |
| NOVEMBER | 540 | 78 | | .011 | NOVEMBER | 229 | 18 | | .006 |
| DECEMBER | 435 | 62 | | .010 | DECEMBER | 206 | 10 | | .004 |
| JANUARY | 533 | 57 | | .008 | JANUARY | 220 | 24 | | .008 |
| FEBRUARY | 283 | 23 | | .006 | FEBRUARY | 136 | 24 | | .013 |
| MARCH | 4,580 | 15,800 | 11 | .254 | MARCH | 1,790 | 1,290 | 1 | .053 |
| APRIL | 10,500 | 11,270 | 8 | .078 | APRIL | 6,820 | 4,880 | 3 | .053 |
| MAY | 2,130 | 115 | | .004 | MAY | 542 | 222 | | .030 |
| JUNE | 6,020 | 5,390 | 4 | .066 | JUNE | 14,500 | 15,500 | 11 | .078 |
| JULY | 15,000 | 84,400 | 58 | .415 | JULY | 37,000 | 100,000 | 69 | .200 |
| AUGUST | 12,100 | 53,800 | 37 | .328 | AUGUST | 47,500 | 163,000 | 112 | .253 |
| SEPTEMBER | 13,800 | 38,000 | 26 | .203 | SEPTEMBER | 27,700 | 64,300 | 44 | .171 |
| SUMMARY | 69,711 | 263,025 | 181 | .278 | SUMMARY | 136,794 | 349,287 | 240 | .188 |

WATER YEAR 1956

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,480 | 249 | | .012 | OCTOBER | 2,370 | 2,050 | 1 | .064 |
| NOVEMBER | 391 | 25 | | .005 | NOVEMBER | 553 | 86 | | .011 |
| DECEMBER | 272 | 21 | | .006 | DECEMBER | 440 | 36 | | .006 |
| JANUARY | 234 | 6 | | .002 | JANUARY | 405 | 54 | | .010 |
| FEBRUARY | 211 | 17 | | .006 | FEBRUARY | 358 | 66 | | .013 |
| MARCH | 11,000 | 30,500 | 21 | .204 | MARCH | 29,700 | 73,100 | 50 | .181 |
| APRIL | 17,800 | 14,300 | 10 | .059 | APRIL | 35,000 | 27,500 | 19 | .058 |
| MAY | 1,220 | 482 | | .029 | MAY | 42,900 | 28,900 | 20 | .050 |
| JUNE | 7,340 | 6,010 | 4 | .060 | JUNE | 55,000 | 35,100 | 24 | .047 |
| JULY | 9,920 | 4,870 | 3 | .036 | JULY | 68,100 | 38,900 | 27 | .042 |
| AUGUST | 4,870 | 5,360 | 4 | .081 | AUGUST | 66,000 | 62,900 | 43 | .070 |
| SEPTEMBER | 4,300 | 7,660 | 5 | .131 | SEPTEMBER | 64,400 | 179,000 | 123 | .205 |
| SUMMARY | 59,038 | 69,500 | 47 | .087 | SUMMARY | 365,226 | 447,692 | 307 | .090 |

RIO GRANDE WATERSHED

EL PASO STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 19,800 | 74,000 | 51 | .280 |
| NOVEMBER | 6,560 | 504 | | .006 |
| DECEMBER | 5,040 | 192 | | .003 |
| JANUARY | 4,010 | 436 | | .008 |
| FEBRUARY | 3,340 | 402 | | .009 |
| MARCH | 50,700 | 63,300 | 44 | .092 |
| APRIL | 38,700 | 13,300 | 9 | .025 |
| MAY | 44,700 | 19,700 | 14 | .032 |
| JUNE | 60,900 | 30,800 | 21 | .037 |
| JULY | 62,200 | 40,100 | 28 | .047 |
| AUGUST | 66,400 | 124,000 | 85 | .137 |
| SEPTEMBER | 33,700 | 28,500 | 20 | .062 |
| SUMMARY | 395,650 | 395,234 | 272 | .073 |

RIO GRANDE WATERSHED

LOWER PRESIDIO STATION ON THE RIO GRANDE

Net Drainage Area: 66,203 sq. mi., of which 34,098 sq. mi. are in the United States and 32,105 sq. mi. are in Mexico

Location: Cable car 10.1 miles downstream from the International Highway bridge between Presidio, Texas and Ojinaga, Chihuahua, Mexico

Records Available: October 1, 1949 to date

Comments: Prior to January 1, 1955 samples were taken 11.8 miles upstream from present location

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 93,500 | 147,000 | 101 | .116 |
| NOVEMBER | 75,900 | 16,400 | 11 | .016 |
| DECEMBER | 56,100 | 6,410 | 4 | .008 |
| JANUARY | 61,600 | 15,000 | 10 | .018 |
| FEBRUARY | 52,200 | 13,600 | 9 | .019 |
| MARCH | 49,300 | 21,200 | 15 | .032 |
| APRIL | 17,600 | 1,760 | 1 | .007 |
| MAY | 19,200 | 2,440 | 2 | .009 |
| JUNE | 45,700 | 171,000 | 118 | .275 |
| JULY | 126,000 | 1,673,000 | 1,150 | .980 |
| AUGUST | 78,900 | 735,000 | 506 | .685 |
| SEPTEMBER | 113,000 | 2,084,000 | 1,440 | 1.358 |
| SUMMARY | 789,000 | 4,886,810 | 3,367 | .456 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 20,100 | 4,880 | 3 | .018 |
| NOVEMBER | 20,700 | 2,500 | 2 | .009 |
| DECEMBER | 19,500 | 1,300 | 1 | .005 |
| JANUARY | 17,700 | 240 | | .001 |
| FEBRUARY | 13,600 | 222 | | .001 |
| MARCH | 9,790 | 413 | | .003 |
| APRIL | 2,930 | 8,890 | 6 | .223 |
| MAY | 4,530 | 1,260 | 1 | .020 |
| JUNE | 49,600 | 603,000 | 415 | .894 |
| JULY | 211,000 | 2,759,000 | 1,900 | .962 |
| AUGUST | 18,400 | 6,490 | 4 | .026 |
| SEPTEMBER | 12,100 | 137,000 | 94 | .828 |
| SUMMARY | 399,950 | 3,525,195 | 2,426 | .667 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 93,500 | 739,000 | 509 | .581 |
| NOVEMBER | 48,200 | 19,000 | 13 | .029 |
| DECEMBER | 43,500 | 11,100 | 8 | .019 |
| JANUARY | 34,700 | 6,410 | 4 | .014 |
| FEBRUARY | 53,900 | 18,900 | 13 | .026 |
| MARCH | 39,200 | 9,590 | 7 | .018 |
| APRIL | 16,200 | 3,380 | 2 | .015 |
| MAY | 31,600 | 21,900 | 15 | .051 |
| JUNE | 37,700 | 11,400 | 8 | .022 |
| JULY | 52,900 | 280,000 | 193 | .389 |
| AUGUST | 26,100 | 124,000 | 85 | .350 |
| SEPTEMBER | 26,100 | 169,000 | 116 | .476 |
| SUMMARY | 503,600 | 1,413,680 | 973 | .217 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 12,000 | 1,520 | 1 | .009 |
| NOVEMBER | 10,600 | 1,020 | 1 | .007 |
| DECEMBER | 11,600 | 1,960 | 1 | .012 |
| JANUARY | 14,300 | 428 | | .002 |
| FEBRUARY | 11,300 | 783 | 1 | .005 |
| MARCH | 8,170 | 1,755 | 1 | .016 |
| APRIL | 464 | 130 | | .021 |
| MAY | 1,760 | 4,225 | 3 | .176 |
| JUNE | 4,540 | 41,650 | 29 | .675 |
| JULY | 17,600 | 210,000 | 145 | .880 |
| AUGUST | 10,200 | 138,000 | 95 | .995 |
| SEPTEMBER | 23,900 | 46,850 | 32 | .144 |
| SUMMARY | 126,434 | 448,321 | 309 | .261 |

RIO GRANDE WATERSEED

LOWER PRESIDIO STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,050 | 1,580 | 1 | .019 |
| NOVEMBER | 9,510 | 1,590 | 1 | .012 |
| DECEMBER | 9,940 | 898 | 1 | .007 |
| JANUARY | 11,600 | 884 | 1 | .006 |
| FEBRUARY | 10,700 | 1,170 | 1 | .008 |
| MARCH | 5,400 | 294 | | .004 |
| APRIL | 1,250 | 366 | | .021 |
| MAY | 4,110 | 60,300 | 42 | 1.078 |
| JUNE | 7,210 | 7,980 | 6 | .081 |
| JULY | 19,200 | 279,000 | 192 | 1.068 |
| AUGUST | 158,000 | 3,004,500 | 2,069 | 1.395 |
| SEPTEMBER | 55,200 | 233,500 | 161 | .311 |
| SUMMARY | 298,170 | 3,592,062 | 2,474 | .886 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 14,2000 | 494,500 | 341 | .256 |
| NOVEMBER | 31,100 | 6,765 | 5 | .016 |
| DECEMBER | 21,600 | 3,705 | 3 | .013 |
| JANUARY | 17,400 | 3,100 | 2 | .013 |
| FEBRUARY | 18,700 | 2,090 | 1 | .008 |
| MARCH | 12,900 | 1,640 | 1 | .009 |
| APRIL | 3,070 | 190 | | .005 |
| MAY | 7,130 | 795 | 1 | .008 |
| JUNE | 9,870 | 3,000 | 2 | .022 |
| JULY | 7,120 | 2,900 | 2 | .030 |
| AUGUST | 29,500 | 97,900 | 67 | .242 |
| SEPTEMBER | 31,000 | 92,700 | 64 | .220 |
| SUMMARY | 331,390 | 708,385 | 489 | .157 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 37,900 | 160,000 | 110 | .310 |
| NOVEMBER | 15,700 | 3,210 | 2 | .015 |
| DECEMBER | 12,000 | 1,046 | 1 | .006 |
| JANUARY | 14,900 | 4,310 | 3 | .021 |
| FEBRUARY | 13,300 | 2,630 | 2 | .015 |
| MARCH | 7,710 | 1,495 | 1 | .014 |
| APRIL | 309 | 294 | | .070 |
| MAY | 219 | 304 | | .102 |
| JUNE | 2,600 | 27,100 | 19 | .767 |
| JULY | 79,900 | 2,061,000 | 1,419 | 1.899 |
| AUGUST | 163,000 | 1,978,500 | 1,363 | .893 |
| SEPTEMBER | 94,900 | 711,000 | 490 | .552 |
| SUMMARY | 442,438 | 4,950,889 | 3,410 | .823 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 24,000 | 41,100 | 28 | .126 |
| NOVEMBER | 23,000 | 4,470 | 3 | .014 |
| DECEMBER | 22,100 | 2,040 | 1 | .007 |
| JANUARY | 22,900 | 4,360 | 3 | .014 |
| FEBRUARY | 26,700 | 12,300 | 8 | .034 |
| MARCH | 14,200 | 4,050 | 3 | .021 |
| APRIL | 8,100 | 139,000 | 96 | 1.262 |
| MAY | 31,800 | 234,000 | 161 | .542 |
| JUNE | 23,000 | 55,100 | 38 | .176 |
| JULY | 15,500 | 145,000 | 100 | .690 |
| AUGUST | 50,800 | 483,000 | 333 | .700 |
| SEPTEMBER | 23,500 | 21,700 | 15 | .068 |
| SUMMARY | 285,600 | 1,146,120 | 789 | .295 |

RIO GRANDE WATERSHED

LOWER PRESIDIO STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 80,300 | 622,000 | 428 | .570 | OCTOBER | 1,051,000 | 6,919,000 | 4,770 | .485 |
| NOVEMBER | 24,100 | 5,840 | 4 | .018 | NOVEMBER | 111,100 | 65,600 | 45 | .043 |
| DECEMBER | 22,200 | 3,390 | 2 | .011 | DECEMBER | 51,700 | 2,970 | 2 | .004 |
| JANUARY | 18,000 | 9,530 | 7 | .039 | JANUARY | 37,200 | 2,110 | 2 | .004 |
| FEBRUARY | 14,800 | 6,710 | 5 | .033 | FEBRUARY | 22,900 | 2,400 | 2 | .008 |
| MARCH | 9,300 | 1,820 | 1 | .014 | MARCH | 20,100 | 890 | 1 | .003 |
| APRIL | 1,450 | 202 | | .010 | APRIL | 18,200 | 774 | 1 | .003 |
| MAY | 2,530 | 80,724 | | .021 | MAY | 25,800 | 3,210 | 2 | .009 |
| JUNE | 9,100 | 80,300 | 55 | .649 | JUNE | 23,100 | 55,300 | 38 | .176 |
| JULY | 4,680 | 86,800 | 60 | 1.365 | JULY | 61,200 | 513,000 | 353 | .617 |
| AUGUST | 20,600 | 346,000 | 238 | 1.236 | AUGUST | 127,000 | 775,000 | 534 | .448 |
| SEPTEMBER | 582,000 | 5,237,000 | 3,610 | .662 | SEPTEMBER | 127,000 | 412,000 | 284 | .239 |
| SUMMARY | 789,060 | 6,480,316 | 4,410 | .604 | SUMMARY | 1,676,300 | 8,773,854 | 6,034 | .385 |

RIO GRANDE WATERSHED

JOHNSON RANCH STATION ON THE RIO GRANDE

Net Drainage Area: 70,715 sq. mi., of which 36,261 sq. mi. are in the United States and 34,454 sq. mi. are in Mexico
 Location: Cable car, 2 miles upstream from Johnson Ranch and 14 miles downstream from Castolon, Texas
 Records Available: October 1, 1949 to date

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 107,000 | 811,000 | 559 | .557 |
| NOVEMBER | 78,900 | 83,300 | 57 | .078 |
| DECEMBER | 59,400 | 14,400 | 10 | .018 |
| JANUARY | 63,300 | 21,300 | 15 | .025 |
| FEBRUARY | 54,900 | 25,000 | 17 | .034 |
| MARCH | 52,300 | 21,000 | 14 | .030 |
| APRIL | 17,600 | 47,100 | 32 | .197 |
| MAY | 20,000 | 33,400 | 23 | .123 |
| JUNE | 70,400 | 1,439,000 | 991 | 1.505 |
| JULY | 148,000 | 4,454,000 | 3,070 | 2.211 |
| AUGUST | 115,000 | 2,848,000 | 1,960 | 1.814 |
| SEPTEMBER | 164,000 | 5,847,000 | 4,030 | 2.624 |
| SUMMARY | 950,800 | 15,644,500 | 10,778 | 1.211 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 23,100 | 88,900 | 61 | .283 |
| NOVEMBER | 21,300 | 2,350 | 2 | .008 |
| DECEMBER | 19,600 | 5,640 | 4 | .021 |
| JANUARY | 17,600 | 1,220 | 1 | .005 |
| FEBRUARY | 14,300 | 1,490 | 1 | .008 |
| MARCH | 10,200 | 290 | | .002 |
| APRIL | 7,790 | 247,000 | 170 | 2.336 |
| MAY | 11,400 | 435,000 | 300 | 2.620 |
| JUNE | 46,000 | 2,273,000 | 1,570 | 3.632 |
| JULY | 300,000 | 5,853,000 | 4,030 | 1.435 |
| AUGUST | 19,500 | 4,000 | 3 | .015 |
| SEPTEMBER | 9,350 | 143,000 | 98 | 1.126 |
| SUMMARY | 500,140 | 9,054,890 | 6,240 | 1.332 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 121,000 | 1,234,000 | 850 | .751 |
| NOVEMBER | 51,300 | 24,900 | 17 | .036 |
| DECEMBER | 47,400 | 13,300 | 9 | .021 |
| JANUARY | 36,700 | 8,380 | 6 | .017 |
| FEBRUARY | 53,200 | 22,600 | 16 | .031 |
| MARCH | 45,800 | 29,500 | 20 | .047 |
| APRIL | 15,000 | 2,770 | 2 | .014 |
| MAY | 31,000 | 117,000 | 81 | .278 |
| JUNE | 41,800 | 450,000 | 310 | .791 |
| JULY | 62,500 | 1,038,000 | 715 | 1.222 |
| AUGUST | 30,600 | 439,000 | 302 | 1.055 |
| SEPTEMBER | 35,200 | 599,000 | 413 | 1.252 |
| SUMMARY | 571,500 | 3,978,450 | 2,741 | .512 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 11,700 | 3,540 | 2 | .022 |
| NOVEMBER | 9,980 | 407 | | .003 |
| DECEMBER | 12,200 | 70,200 | 48 | .422 |
| JANUARY | 13,700 | 1,300 | 1 | .007 |
| FEBRUARY | 11,200 | 1,064 | 1 | .007 |
| MARCH | 9,370 | 6,285 | 4 | .049 |
| APRIL | 457 | 112 | | .018 |
| MAY | | | | |
| JUNE | 3,270 | 45,900 | 32 | 1.031 |
| JULY | 25,500 | 965,000 | 665 | 2.790 |
| AUGUST | 12,300 | 217,000 | 149 | 1.302 |
| SEPTEMBER | 21,900 | 450,500 | 310 | 1.512 |
| SUMMARY | 131,577 | 1,761,308 | 1,212 | .964 |

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RIO GRANDE WATERSHED

JOHNSON RANCH STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 4,940 | 14,300 | 10 | .213 |
| NOVEMBER | 8,600 | 1,830 | 1 | .016 |
| DECEMBER | 9,510 | 1,645 | 1 | .013 |
| JANUARY | 11,300 | 1,540 | 1 | .010 |
| FEBRUARY | 9,460 | 975 | 1 | .008 |
| MARCH | 4,440 | 344 | | .006 |
| APRIL | 20,300 | 1,004,500 | 692 | 3.641 |
| MAY | 11,600 | 441,500 | 304 | 2.806 |
| JUNE | 42,700 | 1,652,500 | 1,138 | 2.844 |
| JULY | 20,000 | 264,500 | 182 | .971 |
| AUGUST | 200,000 | 5,568,500 | 3,835 | 2.051 |
| SEPTEMBER | 62,600 | 459,500 | 316 | .540 |
| SUMMARY | 405,450 | 9,411,634 | 6,481 | 1.708 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 152,000 | 599,500 | 413 | .291 |
| NOVEMBER | 32,100 | 7,785 | 5 | .018 |
| DECEMBER | 23,300 | 3,520 | 2 | .011 |
| JANUARY | 18,500 | 2,700 | 2 | .011 |
| FEBRUARY | 19,300 | 2,290 | 2 | .009 |
| MARCH | 12,200 | 1,510 | 1 | .009 |
| APRIL | 2,540 | 100 | | .003 |
| MAY | 7,690 | 45,600 | 31 | .437 |
| JUNE | 9,800 | 198,000 | 136 | 1.486 |
| JULY | 5,930 | 135,000 | 93 | 1.673 |
| AUGUST | 29,900 | 354,000 | 244 | .870 |
| SEPTEMBER | 33,800 | 311,000 | 214 | .677 |
| SUMMARY | 347,060 | 1,661,005 | 1,143 | .241 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 41,100 | 714,000 | 492 | 1.280 |
| NOVEMBER | 16,400 | 2,600 | 2 | .012 |
| DECEMBER | 13,000 | 713 | | .004 |
| JANUARY | 15,000 | 1,725 | 1 | .008 |
| FEBRUARY | 13,700 | 1,430 | 1 | .008 |
| MARCH | 7,850 | 1,030 | 1 | .010 |
| APRIL | 5,570 | 8,905 | 6 | .118 |
| MAY | 24,900 | 44,100 | 30 | .130 |
| JUNE | 10,900 | 50,550 | 35 | .342 |
| JULY | 88,800 | 2,663,000 | 1,834 | 2.206 |
| AUGUST | 173,000 | 2,889,000 | 1,990 | 1.231 |
| SEPTEMBER | 128,000 | 1,271,000 | 875 | .732 |
| SUMMARY | 538,220 | 7,648,053 | 5,267 | 1.046 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 27,800 | 109,000 | 75 | .288 |
| NOVEMBER | 21,200 | 5,400 | 4 | .019 |
| DECEMBER | 20,800 | 2,110 | 2 | .007 |
| JANUARY | 22,500 | 4,400 | 3 | .014 |
| FEBRUARY | 34,400 | 367,000 | 253 | .785 |
| MARCH | 14,300 | 13,300 | 9 | .068 |
| APRIL | 3,520 | 64,300 | 44 | 1.344 |
| MAY | 56,000 | 292,000 | 201 | .383 |
| JUNE | 24,100 | 258,000 | 178 | .789 |
| JULY | 14,100 | 415,000 | 286 | 2.167 |
| AUGUST | 45,900 | 594,000 | 409 | .951 |
| SEPTEMBER | 24,000 | 238,000 | 164 | .730 |
| SUMMARY | 308,620 | 2,362,510 | 1,628 | .563 |

RIO GRANDE WATERSHED

JOHNSON RANCH STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1958

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 78,600 | 1,266,000 | 372 | 1.185 | OCTOBER | 1,157,000 | 19,652,000 | 13,500 | 1.250 |
| NOVEMBER | 23,800 | 5,730 | 4 | .016 | NOVEMBER | 132,000 | 65,700 | 45 | .037 |
| DECEMBER | 23,000 | 3,810 | 3 | .012 | DECEMBER | 63,200 | 591 | | .001 |
| JANUARY | 18,200 | 4,900 | 3 | .020 | JANUARY | 45,600 | 6,000 | 4 | .010 |
| FEBRUARY | 14,900 | 4,550 | 3 | .023 | FEBRUARY | 25,700 | 2,500 | 2 | .007 |
| MARCH | 8,850 | 2,680 | 2 | .022 | MARCH | 21,200 | 927 | 1 | .003 |
| APRIL | 1,640 | 9 | | | APRIL | 17,000 | 1,140 | 1 | .003 |
| MAY | 3,900 | 99,600 | 69 | 1.880 | MAY | 31,500 | 64,000 | 44 | .150 |
| JUNE | 12,900 | 205,000 | 141 | 1.170 | JUNE | 36,900 | 260,000 | 179 | .519 |
| JULY | 21,400 | 732,000 | 504 | 2.523 | JULY | 79,200 | 721,000 | 497 | .670 |
| AUGUST | 22,300 | 888,000 | 612 | 2.934 | AUGUST | 126,000 | 2,288,000 | 1,580 | 1.341 |
| SEPTEMBER | 603,000 | 13,057,000 | 8,990 | 1.594 | SEPTEMBER | 140,000 | 1,060,000 | 730 | .556 |
| SUMMARY | 832,490 | 16,269,319 | 11,203 | 1.438 | SUMMARY | 1,875,300 | 24,121,858 | 16,583 | .945 |

RIO GRANDE WATERSHED

AQUA VERDE STATION ON THE RIO GRANDE

Net Drainage Area: 82,232 sq. mi., of which 40,861 sq. mi. are in the United States and 41,371 sq. mi. are in Mexico

Location: Cable car located near Aqua Verde Dam site, about 18 miles south of Dryden, Texas

Records Available: January 1, 1953 to May 31, 1956

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY ^{1/} | 24,000 | 3,530 | 2 | .011 |
| FEBRUARY | 19,900 | 216 | | .001 |
| MARCH | 22,900 | 9,135 | 6 | .029 |
| APRIL | 11,900 | 3,590 | 2 | .022 |
| MAY | 11,200 | 872 | 1 | .006 |
| JUNE | 11,400 | 925 | 1 | .006 |
| JULY | 34,000 | 348,500 | 240 | .754 |
| AUGUST | 24,700 | 158,500 | 109 | .471 |
| SEPTEMBER | 32,400 | 331,000 | 228 | .751 |
| SUMMARY | | | | |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 50,900 | 183,000 | 126 | .265 |
| NOVEMBER | 27,300 | 4,115 | 3 | .011 |
| DECEMBER | 25,000 | 1,305 | 1 | .004 |
| JANUARY | 26,800 | 2,315 | 2 | .005 |
| FEBRUARY | 25,300 | 1,825 | 1 | .005 |
| MARCH | 21,400 | 2,110 | 1 | .007 |
| APRIL | 12,800 | 1,053 | 1 | .006 |
| MAY | 59,200 | 507,500 | 350 | .630 |
| JUNE | 49,600 | 127,500 | 88 | .189 |
| JULY | 108,000 | 5,309,000 | 3,656 | 3.030 |
| AUGUST | 195,000 | 3,838,000 | 2,643 | 1.451 |
| SEPTEMBER | 181,000 | 1,212,500 | 835 | .494 |
| SUMMARY | 782,300 | 11,190,223 | 7,707 | 1.053 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 17,600 | 60,750 | 42 | .253 |
| NOVEMBER | 17,500 | 5,565 | 4 | .023 |
| DECEMBER | 19,100 | 2,300 | 2 | .009 |
| JANUARY | 20,900 | 2,950 | 2 | .010 |
| FEBRUARY | 18,800 | 2,155 | 1 | .008 |
| MARCH | 15,400 | 1,385 | 1 | .007 |
| APRIL | 43,000 | 325,500 | 224 | .557 |
| MAY | 46,700 | 1,264,500 | 871 | 1.993 |
| JUNE | 81,900 | 2,147,500 | 1,479 | 1.929 |
| JULY | 36,000 | 294,500 | 203 | .602 |
| AUGUST | 213,000 | 7,594,500 | 5,230 | 2.625 |
| SEPTEMBER | 86,400 | 747,000 | 514 | .636 |
| SUMMARY | 616,300 | 12,448,605 | 8,573 | 1.486 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 165,000 | 1,435,500 | 989 | .641 |
| NOVEMBER | 47,000 | 6,835 | 5 | .011 |
| DECEMBER | 37,300 | 4,910 | 3 | .010 |
| JANUARY | 33,500 | 1,690 | 1 | .004 |
| FEBRUARY | 32,500 | 1,950 | 1 | .004 |
| MARCH | 25,300 | 1,480 | 1 | .004 |
| APRIL | 15,800 | 396 | | .002 |
| MAY ^{2/} | 18,400 | 9,190 | 6 | .037 |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

^{1/} Sampling began January 1, 1953

^{2/} Station was discontinued May 31, 1956

RIO GRANDE WATERSHED

LANGTRY STATION ON THE RIO GRANDE

Net Drainage Area: 84,795 sq. mi., of which 42,855 sq. mi. are in the United States and 41,940 sq. mi. are in Mexico

Location: Cable car, at Langtry, Texas

Records Available: April 1, 1944 to date

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|---------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 345.000 | | | |
| NOVEMBER | 102.000 | | | |
| DECEMBER | 68.900 | | | |
| JANUARY | 97.400 | | | |
| FEBRUARY | 73.700 | | | |
| MARCH | 89.900 | | | |
| APRIL ^{1/} | 43.600 | 4.738 | 3 | .008 |
| MAY | 43.000 | 22.202 | 15 | .038 |
| JUNE | 77.500 | 130.676 | 90 | .124 |
| JULY | 67.200 | | | |
| AUGUST | 110.000 | 2,222.288 | 1,530 | .920 |
| SEPTEMBER | 418.000 | | | |
| SUMMARY | 1,916.200 | | | |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 345.000 | 4,734.567 | 3,261 | 1.010 |
| NOVEMBER | 102.000 | 24.489 | 17 | .018 |
| DECEMBER | 68.900 | 8.247 | 6 | .009 |
| JANUARY | 79.300 | 16.601 | 11 | .015 |
| FEBRUARY | 67.100 | 8.941 | 6 | .010 |
| MARCH | 65.100 | 9.318 | 5 | .009 |
| APRIL | 55.700 | 26.874 | 18 | .036 |
| MAY | 73.100 | 627.745 | 442 | .654 |
| JUNE | 78.400 | 1,348.794 | 929 | 1.265 |
| JULY | 83.500 | 439.469 | 303 | .387 |
| AUGUST | 33.800 | 6.800 | 5 | .015 |
| SEPTEMBER | 275.000 | 4,762.026 | 3,280 | 1.273 |
| SUMMARY | 1,326.900 | 12,035.071 | 8,290 | .667 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 181.000 | 6,459.913 | 4,449 | .793 |
| NOVEMBER | 79.100 | | | |
| DECEMBER | 71.800 | 34.277 | 24 | .017 |
| JANUARY | 82.400 | 15,233 | 10 | .014 |
| FEBRUARY | 73.100 | 12,920 | 9 | .013 |
| MARCH | 54.700 | 9,333 | 6 | .012 |
| APRIL | 28,800 | 96,413 | 66 | .103 |
| MAY | 26,900 | 5,346 | 4 | .015 |
| JUNE | 23,400 | 4,115 | 3 | .012 |
| JULY | 376,000 | 6,509,913 | 4,483 | 1.273 |
| AUGUST | 58,900 | 241,984 | 167 | .302 |
| SEPTEMBER | 43,700 | 179,349 | 124 | .302 |
| SUMMARY | 1,143,800 | | | |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 291.000 | 2,531.609 | 1,744 | .639 |
| NOVEMBER | 87.800 | 19,943 | 14 | .017 |
| DECEMBER | 78.000 | 67,885 | 47 | .064 |
| JANUARY | 86.900 | 12,761 | 9 | .011 |
| FEBRUARY | 78.700 | 4,847 | 3 | .005 |
| MARCH | 63.200 | 6,375 | 5 | .008 |
| APRIL | 28.500 | 1,581 | 1 | .004 |
| MAY | 62.900 | 175,326 | 121 | .205 |
| JUNE | 34.600 | 36,131 | 25 | .077 |
| JULY | 31.700 | 88,359 | 61 | .205 |
| AUGUST | 124.000 | 2,498,696 | 1,721 | 1.482 |
| SEPTEMBER | 267.000 | 3,307,729 | 2,278 | .911 |
| SUMMARY | 1,234,300 | 8,751,742 | 6,028 | .522 |

^{1/} Sampling record began April 1944

RIO GRANDE WATERSHED

LANGREY STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 65,400 | 70,161 | 46 | .079 |
| NOVEMBER | 67,200 | 85,067 | 59 | .093 |
| DECEMBER | 73,600 | 13,610 | 9 | .014 |
| JANUARY | 56,400 | 4,180 | 3 | .005 |
| FEBRUARY | 63,600 | 7,310 | 5 | .008 |
| MARCH | 60,800 | 3,940 | 3 | .005 |
| APRIL | 34,600 | 2,900 | 2 | .006 |
| MAY | 38,300 | 252,000 | 174 | .484 |
| JUNE | 45,200 | 278,000 | 191 | .452 |
| JULY | 58,600 | 319,000 | 220 | .401 |
| AUGUST | 54,900 | 698,000 | 481 | .935 |
| SEPTEMBER | 44,000 | 120,000 | 83 | .200 |
| SUMMARY | 662,600 | 1,854,166 | 1,278 | .206 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 165,000 | 1,061,000 | 731 | .473 |
| NOVEMBER | 99,600 | 69,400 | 48 | .051 |
| DECEMBER | 77,700 | 14,700 | 10 | .014 |
| JANUARY | 79,400 | 14,600 | 10 | .014 |
| FEBRUARY | 69,900 | 8,450 | 6 | .009 |
| MARCH | 73,800 | 14,300 | 10 | .014 |
| APRIL | 39,100 | 7,370 | 5 | .014 |
| MAY | 46,200 | 66,900 | 46 | .106 |
| JUNE | 96,800 | 1,773,000 | 1,220 | 1.348 |
| JULY | 183,000 | 3,498,000 | 2,413 | 1.467 |
| AUGUST | 155,000 | 1,544,000 | 1,340 | .924 |
| SEPTEMBER | 203,000 | 2,422,000 | 1,670 | .675 |
| SUMMARY | 1,288,500 | 10,993,720 | 7,500 | .622 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 63,300 | 208,000 | 143 | .242 |
| NOVEMBER | 62,400 | 51,700 | 36 | .061 |
| DECEMBER | 51,600 | 10,800 | 7 | .015 |
| JANUARY | 54,400 | 11,200 | 8 | .015 |
| FEBRUARY | 78,800 | 53,600 | 37 | .050 |
| MARCH | 70,900 | 39,200 | 27 | .041 |
| APRIL | 61,200 | 76,000 | 52 | .091 |
| MAY | 48,400 | 132,000 | 91 | .200 |
| JUNE | 115,000 | 1,110,000 | 764 | .708 |
| JULY | 103,000 | 2,633,000 | 1,810 | 1.888 |
| AUGUST | 248,000 | 4,545,000 | 3,130 | 1.346 |
| SEPTEMBER | 202,000 | 2,955,000 | 2,040 | 1.078 |
| SUMMARY | 1,159,200 | 11,825,500 | 8,145 | .751 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 135,000 | 806,000 | 555 | .436 |
| NOVEMBER | 68,700 | 11,100 | 6 | .012 |
| DECEMBER | 65,900 | 5,840 | 4 | .007 |
| JANUARY | 56,300 | 1,660 | 1 | .002 |
| FEBRUARY | 64,700 | 4,370 | 3 | .005 |
| MARCH | 69,000 | 21,900 | 15 | .025 |
| APRIL | 33,800 | 10,700 | 7 | .023 |
| MAY | 83,600 | 223,000 | 154 | .196 |
| JUNE | 104,000 | 851,000 | 560 | .601 |
| JULY | 77,700 | 824,000 | 567 | .760 |
| AUGUST | 48,400 | 194,000 | 134 | .295 |
| SEPTEMBER | 57,500 | 1,166,000 | 603 | 1.492 |
| SUMMARY | 864,600 | 4,119,570 | 2,637 | .351 |

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RIO GRANDE WATERSHED

LANGRY STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 38,600 | 31,300 | 22 | .060 |
| NOVEMBER | 38,600 | 128,000 | 88 | .244 |
| DECEMBER | 36,000 | 4,430 | 3 | .009 |
| JANUARY | 33,400 | 2,720 | 2 | .006 |
| FEBRUARY | 28,000 | 5,580 | 4 | .015 |
| MARCH | 25,200 | 3,780 | 3 | .011 |
| APRIL | 25,900 | 26,800 | 18 | .076 |
| MAY | 34,400 | 289,000 | 199 | .618 |
| JUNE | 48,000 | 447,000 | 308 | .685 |
| JULY | 325,000 | 8,394,000 | 5,780 | 1.901 |
| AUGUST | 41,100 | 7,820 | 5 | .014 |
| SEPTEMBER | 19,600 | 1,390 | 1 | .005 |
| SUMMARY | 693,800 | 9,341,820 | 6,433 | .991 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 23,200 | 12,100 | 8 | .039 |
| NOVEMBER | 22,600 | 7,580 | 5 | .025 |
| DECEMBER | 24,800 | 1,800 | 1 | .005 |
| JANUARY | 27,300 | 2,220 | 2 | .006 |
| FEBRUARY | 25,000 | 1,270 | 1 | .004 |
| MARCH | 23,300 | 777 | 1 | .002 |
| APRIL | 112,000 | 892,000 | 614 | .566 |
| MAY | 74,200 | 1,233,000 | 849 | 1.224 |
| JUNE | 258,000 | 3,563,000 | 2,453 | 1.016 |
| JULY | 46,000 | 190,000 | 131 | .304 |
| AUGUST | 217,000 | 5,663,000 | 3,900 | 1.918 |
| SEPTEMBER | 99,200 | 526,000 | 362 | .390 |
| SUMMARY | 952,600 | 12,092,747 | 8,323 | .934 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 29,900 | 7,440 | 5 | .018 |
| NOVEMBER | 24,700 | 1,870 | 1 | .006 |
| DECEMBER | 26,300 | 258 | | .001 |
| JANUARY | 30,000 | 1,370 | 1 | .003 |
| FEBRUARY | 25,300 | 1,530 | 1 | .004 |
| MARCH | 29,200 | 4,960 | 3 | .012 |
| APRIL | 17,800 | 2,060 | 1 | .008 |
| MAY | 16,200 | 1,380 | 1 | .006 |
| JUNE | 15,800 | 1,320 | 1 | .006 |
| JULY | 38,400 | 518,000 | 357 | .993 |
| AUGUST | 31,100 | 99,800 | 69 | .236 |
| SEPTEMBER | 51,700 | 284,000 | 196 | .405 |
| SUMMARY | 336,400 | 923,928 | 636 | .620 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 60,000 | 131,000 | 90 | .160 |
| NOVEMBER | 31,700 | 4,650 | 3 | .011 |
| DECEMBER | 29,700 | 1,120 | 1 | .003 |
| JANUARY | 30,700 | 1,520 | 1 | .004 |
| FEBRUARY | 28,700 | 582 | | .001 |
| MARCH | 26,000 | 452 | | .001 |
| APRIL | 16,700 | 310 | | .001 |
| MAY | 71,500 | 1,267,000 | 873 | 1.303 |
| JUNE | 75,200 | 479,000 | 330 | .469 |
| JULY | 112,000 | 3,375,000 | 2,320 | 2.220 |
| AUGUST | 219,000 | 4,181,000 | 2,880 | 1.403 |
| SEPTEMBER | 229,000 | 2,891,000 | 1,990 | .931 |
| SUMMARY | 930,200 | 12,332,634 | 8,488 | .976 |

RIO GRANDE WATERSHED

LANGREY STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 175,000 | 1,117,000 | 769 | .470 |
| NOVEMBER | 54,000 | 8,890 | 6 | .012 |
| DECEMBER | 42,600 | 2,460 | 2 | .004 |
| JANUARY | 38,200 | 1,520 | 1 | .003 |
| FEBRUARY | 37,200 | 455 | | .001 |
| MARCH | 30,600 | 419 | | .001 |
| APRIL | 21,200 | 209 | | .001 |
| MAY | 28,000 | 119,000 | 82 | .311 |
| JUNE | 32,400 | 206,000 | 142 | .467 |
| JULY | 20,200 | 6,680 | 5 | .024 |
| AUGUST | 42,100 | 357,000 | 246 | .624 |
| SEPTEMBER | 43,800 | 553,000 | 381 | .928 |
| SUMMARY | 565,300 | 2,372,633 | 1,634 | .309 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 107,000 | 1,696,000 | 1,170 | 1.162 |
| NOVEMBER | 43,400 | 61,200 | 42 | .104 |
| DECEMBER | 40,100 | 6,870 | 5 | .013 |
| JANUARY | 35,900 | 5,280 | 4 | .011 |
| FEBRUARY | 29,100 | 4,280 | 3 | .011 |
| MARCH | 28,800 | 4,290 | 3 | .011 |
| APRIL | 17,100 | 618 | | .003 |
| MAY | 27,400 | 23,400 | 16 | .063 |
| JUNE | 30,900 | 71,900 | 50 | .171 |
| JULY | 34,500 | 105,000 | 72 | .223 |
| AUGUST | 44,400 | 550,000 | 379 | .911 |
| SEPTEMBER | 513,000 | 12,053,000 | 8,300 | 1.728 |
| SUMMARY | 951,600 | 14,581,838 | 10,044 | 1.128 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 94,800 | 869,000 | 598 | .674 |
| NOVEMBER | 35,300 | 9,240 | 6 | .019 |
| DECEMBER | 35,800 | 3,440 | 2 | .007 |
| JANUARY | 37,400 | 5,660 | 4 | .011 |
| FEBRUARY | 50,600 | 345,000 | 238 | .502 |
| MARCH | 33,400 | 14,900 | 10 | .033 |
| APRIL | 89,000 | 360,000 | 248 | .297 |
| MAY | 192,000 | 480,000 | 331 | .184 |
| JUNE | 68,200 | 170,000 | 117 | .184 |
| JULY | 34,800 | 71,300 | 49 | .151 |
| AUGUST | 56,700 | 503,000 | 346 | .652 |
| SEPTEMBER | 49,100 | 338,000 | 233 | .506 |
| SUMMARY | 777,100 | 3,169,540 | 2,182 | .300 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,335,000 | 12,716,000 | 8,760 | .701 |
| NOVEMBER | 184,000 | 397,000 | 273 | .159 |
| DECEMBER | 83,700 | 1,320 | 1 | .001 |
| JANUARY | 66,100 | 2,410 | 2 | .003 |
| FEBRUARY | 44,100 | 3,350 | 2 | .006 |
| MARCH | 39,500 | 590 | | .001 |
| APRIL | 33,700 | 1,410 | 1 | .003 |
| MAY | 68,200 | 1,000,000 | 689 | 1.079 |
| JUNE | 67,300 | 71,500 | 49 | .078 |
| JULY | 145,000 | 1,852,000 | 1,280 | .940 |
| AUGUST | 133,000 | 1,530,000 | 1,050 | .849 |
| SEPTEMBER | 191,000 | 1,732,000 | 1,190 | .668 |
| SUMMARY | 2,390,600 | 19,307,580 | 13,297 | .593 |

RIO GRANDE WATERSHED

SHUMLA STATION ON THE PECOS RIVER

Net Drainage Area: 35,162 sq. mi., all in the United States
Location: Rock ledge 4.5 miles north of Shumla and 13 miles upstream from Pecos High Bridge
Records Available: November 1, 1954 to date

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1/ | | | |
| NOVEMBER | 2/ | 499 | | .003 |
| DECEMBER | 12,200 | 213 | | .001 |
| JANUARY | 12,400 | 288 | | .002 |
| FEBRUARY | 10,300 | 318 | | .002 |
| MARCH | 11,500 | 429 | | .003 |
| APRIL | 9,370 | 89 | | .001 |
| MAY | 15,000 | 420 | | .002 |
| JUNE | 19,700 | 1,240 | 1 | .005 |
| JULY | 29,800 | 32,300 | 22 | .080 |
| AUGUST | 26,500 | 34,600 | 24 | .096 |
| SEPTEMBER | 29,500 | 4,730 | 3 | .012 |
| SUMMARY | | | | |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 21,800 | 70,300 | 48 | .238 |
| NOVEMBER | 9,100 | 1,100 | 1 | .009 |
| DECEMBER | 9,100 | 375 | | .003 |
| JANUARY | 8,890 | 391 | | .003 |
| FEBRUARY | 9,880 | 523 | | .004 |
| MARCH | 10,100 | 550 | | .004 |
| APRIL | 39,300 | 242,000 | 167 | .445 |
| MAY | 173,000 | 591,000 | 407 | .251 |
| JUNE | 41,300 | 182 | | |
| JULY | 16,900 | 112 | | |
| AUGUST | 13,000 | 624 | | .004 |
| SEPTEMBER | 16,000 | 570 | | .003 |
| SUMMARY | 368,970 | 907,727 | 574 | .181 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 18,400 | 1,400 | 1 | .006 |
| NOVEMBER | 12,200 | 40 | | |
| DECEMBER | 12,300 | 326 | | .002 |
| JANUARY | 12,400 | 869 | 1 | .005 |
| FEBRUARY | 11,600 | 160 | | .001 |
| MARCH | 10,000 | 544 | | .004 |
| APRIL | 8,040 | 239 | | .002 |
| MAY | 9,780 | 305 | | .002 |
| JUNE | 5,820 | 950 | 1 | .012 |
| JULY | 5,320 | 339 | | .005 |
| AUGUST | 5,220 | 510 | | .007 |
| SEPTEMBER | 6,410 | 198 | | .002 |
| SUMMARY | 117,690 | 5,380 | 3 | .004 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 26,500 | 373 | | .001 |
| NOVEMBER | 21,600 | 1,260 | 1 | .004 |
| DECEMBER | 13,600 | 387 | | .002 |
| JANUARY | 13,400 | 607 | | .003 |
| FEBRUARY | 12,200 | 250 | | .002 |
| MARCH | 12,900 | 265 | | .002 |
| APRIL | 10,600 | 1,870 | 1 | .013 |
| MAY | 37,300 | 917 | 1 | .002 |
| JUNE | 13,700 | 1,060 | 1 | .006 |
| JULY | 15,600 | 10,100 | 7 | .047 |
| AUGUST | 10,300 | 569 | | .004 |
| SEPTEMBER | 79,000 | 87,000 | 60 | .081 |
| SUMMARY | 266,700 | 104,658 | 71 | .029 |

1/ Discharge record began October 8, 1954
 2/ Sampling record began November 1954

RIO GRANDE WATERSHED

SEDLA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 32,800 | 1,970 | 1 | .004 |
| NOVEMBER | 16,800 | 1,600 | 1 | .007 |
| DECEMBER | 14,800 | 201 | | .001 |
| JANUARY | 13,200 | 561 | | .003 |
| FEBRUARY | 11,200 | 1,020 | 1 | .007 |
| MARCH | 11,500 | 886 | 1 | .006 |
| APRIL | 10,400 | 668 | | .005 |
| MAY | 14,000 | 391 | | .002 |
| JUNE | 15,600 | 452 | | .002 |
| JULY | 38,900 | 4,904 | 3 | .009 |
| AUGUST | 15,900 | 238 | | .001 |
| SEPTEMBER | 25,800 | 109,000 | 75 | .313 |
| SUMMARY | 220,900 | 121,891 | 82 | .041 |

RIO GRANDE WATERSHED

COMSTOCK STATION ON THE PECOS RIVER

Net Drainage Area: 35,293 sq. mi., all in the United States

Location: Cable car located at Pecos Bridge of the Southern Pacific Railroad, 12 miles northwest of Comstock, Texas

Records Available: June 1, 1943 to June 30, 1954

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 49,800 | | | |
| NOVEMBER | 58,700 | | | |
| DECEMBER | 50,300 | | | |
| JANUARY | 48,000 | | | |
| FEBRUARY | 27,900 | | | |
| MARCH | 22,300 | | | |
| APRIL | 18,900 | | | |
| MAY | 24,500 | | | |
| JUNE 1/ | 17,100 | 2,040 | 1 | .009 |
| JULY | 19,800 | 20,758 | 14 | .077 |
| AUGUST | 13,400 | 1,212 | 1 | .007 |
| SEPTEMBER | 14,100 | 904 | 1 | .005 |
| SUMMARY | 364,800 | | | |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 18,800 | 831 | 1 | .003 |
| NOVEMBER | 16,500 | 1,811 | 1 | .008 |
| DECEMBER | 17,900 | 1,945 | 1 | .008 |
| JANUARY | 17,400 | 1,069 | 1 | .005 |
| FEBRUARY | 14,800 | 1,243 | 1 | .006 |
| MARCH | 16,100 | 953 | 1 | .004 |
| APRIL | 15,300 | 280 | | .001 |
| MAY | 11,400 | 925 | 1 | .006 |
| JUNE | 9,340 | 897 | 1 | .007 |
| JULY | 45,300 | 97,485 | 67 | .134 |
| AUGUST | 12,700 | 451 | | .003 |
| SEPTEMBER | 12,500 | 1,127 | 1 | .007 |
| SUMMARY | 208,140 | 109,017 | 75 | .039 |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 16,500 | 561 | | .002 |
| NOVEMBER | 15,500 | 122 | | .001 |
| DECEMBER | 18,700 | 404 | | .002 |
| JANUARY | 20,500 | 537 | | .002 |
| FEBRUARY | 17,400 | 604 | | .003 |
| MARCH | 18,000 | 1,497 | 1 | .006 |
| APRIL | 13,800 | 727 | | .004 |
| MAY | 14,700 | 1,604 | 1 | .008 |
| JUNE | 13,400 | 1,675 | 1 | .009 |
| JULY | 12,200 | 599 | | .004 |
| AUGUST | 16,000 | 717 | | .003 |
| SEPTEMBER | 31,900 | 12,283 | 8 | .028 |
| SUMMARY | 208,600 | 21,330 | 11 | .008 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 54,500 | 76,305 | 53 | .103 |
| NOVEMBER | 17,800 | 543 | | .002 |
| DECEMBER | 15,200 | 666 | | .003 |
| JANUARY | 17,100 | 907 | 1 | .004 |
| FEBRUARY | 16,500 | 864 | 1 | .004 |
| MARCH | 18,200 | 879 | 1 | .004 |
| APRIL | 16,300 | 1,581 | 1 | .007 |
| MAY | 19,400 | 5,421 | 4 | .021 |
| JUNE | 21,200 | 22,847 | 16 | .079 |
| JULY | 11,700 | 281 | | .002 |
| AUGUST | 10,100 | 255 | | .002 |
| SEPTEMBER | 14,300 | 219 | | .001 |
| SUMMARY | 232,300 | 110,768 | 78 | .035 |

1/ Sampling record began June 1943

RIO GRANDE WATERSHED

COMSTOCK STATION ON THE PECOS RIVER - CONTINUED

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 90,200 | 255,424 | 176 | .208 |
| NOVEMBER | 16,000 | 390 | | .002 |
| DECEMBER | 16,100 | 408 | | .002 |
| JANUARY | 17,100 | 435 | | .002 |
| FEBRUARY | 13,100 | 971 | 1 | .005 |
| MARCH | 14,400 | 421 | | .002 |
| APRIL | 11,700 | 282 | | .002 |
| MAY | 30,100 | 31,447 | 22 | .077 |
| JUNE | 22,000 | 14,764 | 10 | .049 |
| JULY | 11,900 | 688 | | .004 |
| AUGUST | 12,600 | 469 | | .003 |
| SEPTEMBER | 16,100 | 1,911 | 1 | .009 |
| SUMMARY | 271,300 | 307,610 | 210 | .083 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 12,800 | 584 | | .003 |
| NOVEMBER | 11,800 | 486 | | .003 |
| DECEMBER | 13,300 | 1,010 | 1 | .006 |
| JANUARY | 13,500 | 677 | | .004 |
| FEBRUARY | 13,400 | 3,050 | 2 | .017 |
| MARCH | 12,600 | 2,090 | 1 | .012 |
| APRIL | 38,100 | 60,500 | 42 | .117 |
| MAY | 29,800 | 11,900 | 8 | .029 |
| JUNE | 19,200 | 3,260 | 2 | .013 |
| JULY | 52,100 | 73,000 | 50 | .103 |
| AUGUST | 31,500 | 29,000 | 20 | .068 |
| SEPTEMBER | 20,200 | 13,600 | 9 | .050 |
| SUMMARY | 268,300 | 199,157 | 135 | .055 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 11,500 | 317 | | .002 |
| NOVEMBER | 11,700 | 75 | | |
| DECEMBER | 14,000 | 59 | | |
| JANUARY | 13,200 | 220 | | .001 |
| FEBRUARY | 13,000 | 195 | | .001 |
| MARCH | 12,100 | 558 | | .003 |
| APRIL | 9,520 | 720 | | .006 |
| MAY | 12,300 | 784 | 1 | .005 |
| JUNE | 8,840 | 1,550 | 1 | .013 |
| JULY | 42,100 | 33,400 | 23 | .058 |
| AUGUST | 7,860 | 834 | 1 | .008 |
| SEPTEMBER | 10,600 | 1,260 | 1 | .009 |
| SUMMARY | 166,720 | 39,972 | 27 | .018 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 22,400 | 14,400 | 10 | .047 |
| NOVEMBER | 16,400 | 593 | | .003 |
| DECEMBER | 13,400 | 1,710 | 1 | .009 |
| JANUARY | 13,300 | 1,390 | 1 | .008 |
| FEBRUARY | 11,300 | 1,340 | 1 | .009 |
| MARCH | 11,600 | 783 | 1 | .005 |
| APRIL | 12,100 | 1,300 | 1 | .008 |
| MAY | 14,500 | 1,900 | 1 | .010 |
| JUNE | 12,700 | 2,170 | 2 | .013 |
| JULY | 35,300 | 22,500 | 16 | .047 |
| AUGUST | 12,200 | 429 | | .003 |
| SEPTEMBER | 21,600 | 1,580 | 1 | .005 |
| SUMMARY | 196,800 | 50,095 | 35 | .019 |

RIO GRANDE WATERSHED

CONSTOCK STATION ON THE PECOS RIVER - CONTINUED

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 14,700 | 1,260 | 1 | .006 |
| NOVEMBER | 12,100 | 100 | | .001 |
| DECEMBER | 14,000 | 10 | | |
| JANUARY | 15,200 | 418 | | .002 |
| FEBRUARY | 14,300 | 339 | | .002 |
| MARCH | 13,600 | 492 | | .003 |
| APRIL | 10,600 | 740 | 1 | .005 |
| MAY | 20,100 | 19,000 | 13 | .070 |
| JUNE | 9,520 | 253 | | .002 |
| JULY | 7,120 | 287 | | .003 |
| AUGUST | 8,560 | 84 | | .001 |
| SEPTEMBER | 7,680 | 450 | | .004 |
| SUMMARY | 147,480 | 23,433 | 15 | .012 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 6,050 | 322 | | .004 |
| NOVEMBER | 7,300 | 366 | | .004 |
| DECEMBER | 9,550 | 552 | | .004 |
| JANUARY | 10,000 | 1,070 | 1 | .008 |
| FEBRUARY | 9,330 | 1,070 | 1 | .008 |
| MARCH | 9,870 | 1,480 | 1 | .011 |
| APRIL | 7,440 | 1,130 | 1 | .011 |
| MAY | 6,280 | 577 | | .007 |
| JUNE | 4,810 | 231 | | .004 |
| JULY | 8,750 | 1,770 | 1 | .015 |
| AUGUST | 16,600 | 9,990 | 7 | .044 |
| SEPTEMBER | 11,900 | 20 | | |
| SUMMARY | 107,880 | 18,578 | 12 | .013 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 7,440 | 337 | | .003 |
| NOVEMBER | 9,130 | 985 | 1 | .008 |
| DECEMBER | 9,750 | 423 | | .003 |
| JANUARY | 9,680 | 270 | | .002 |
| FEBRUARY | 9,700 | 879 | 1 | .007 |
| MARCH | 9,140 | 969 | 1 | .008 |
| APRIL | 9,210 | 360 | | .003 |
| MAY | 10,500 | 3,240 | 2 | .023 |
| JUNE | 8,150 | 527 | | .005 |
| JULY | 8,280 | 597 | | .005 |
| AUGUST | 5,740 | 40 | | .001 |
| SEPTEMBER | 7,220 | 354 | | .004 |
| SUMMARY | 104,340 | 8,981 | 5 | .006 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 13,600 | 790 | 1 | .004 |
| NOVEMBER | 9,000 | 1,680 | 1 | .014 |
| DECEMBER | 9,300 | 121 | | .001 |
| JANUARY | 9,210 | 246 | | .002 |
| FEBRUARY | 7,800 | 20 | | |
| MARCH | 8,710 | 59 | | |
| APRIL | 73,500 | 189,000 | 130 | .189 |
| MAY | 46,400 | 109,000 | 75 | .172 |
| JUNE 1/ | 1,756,000 | 6,337,000 | 4,360 | .266 |
| JULY | 48,500 | | | |
| AUGUST | 22,200 | | | |
| SEPTEMBER | 15,100 | | | |
| SUMMARY | 2,109,320 | | | |

1/ Sampling record discontinued with June 1954

RIO GRANDE WATERSHED

DEL RIO STATION ON THE RIO GRANDE

Net Drainage Area: 126,940 sq. mi., of which 82,750 sq. mi. are in the United States and 44,190 sq. mi. are in Mexico
 Location: International bridge between Del Rio, Texas and Ciudad Acuna, Mexico
 Records Available: August 1, 1955 to date

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 142,000 | | | |
| NOVEMBER | 86,100 | | | |
| DECEMBER | 82,600 | | | |
| JANUARY | 81,300 | | | |
| FEBRUARY | 71,400 | | | |
| MARCH | 69,400 | | | |
| APRIL | 55,700 | | | |
| MAY | 151,000 | | | |
| JUNE | 125,000 | | | |
| JULY | 183,000 | | | |
| AUGUST 1/ | 279,000 | 2,861,000 | 1,970 | .753 |
| SEPTEMBER | 393,000 | 3,425,300 | 2,360 | .641 |
| SUMMARY | 1,719,500 | | | |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 147,000 | 843,000 | 581 | .623 |
| NOVEMBER | 68,200 | 17,100 | 12 | .018 |
| DECEMBER | 65,300 | 8,260 | 6 | .009 |
| JANUARY | 66,100 | 13,300 | 9 | .015 |
| FEBRUARY | 78,000 | 258,000 | 178 | .243 |
| MARCH | 70,400 | 50,300 | 35 | .053 |
| APRIL | 224,000 | 888,000 | 612 | .291 |
| MAY | 816,000 | 2,330,000 | 1,500 | .210 |
| JUNE | 249,000 | 1,140,000 | 785 | .338 |
| JULY | 101,000 | 77,000 | 53 | .055 |
| AUGUST | 119,000 | 412,000 | 28 | .255 |
| SEPTEMBER | 112,000 | 224,000 | 154 | .147 |
| SUMMARY | 2,116,000 | 6,260,980 | 4,309 | .215 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 239,000 | 1,107,000 | 762 | .341 |
| NOVEMBER | 105,000 | 15,500 | 11 | .011 |
| DECEMBER | 87,000 | 5,790 | 4 | .005 |
| JANUARY | 82,600 | 887 | 1 | .001 |
| FEBRUARY | 74,500 | 726 | | .001 |
| MARCH | 67,000 | 1,060 | 1 | .001 |
| APRIL | 54,300 | 1,200 | 1 | .002 |
| MAY | 60,800 | 3,730 | 3 | .005 |
| JUNE | 57,000 | 71,000 | 49 | .092 |
| JULY | 46,100 | 12,600 | 9 | .020 |
| AUGUST | 67,600 | 181,000 | 125 | .197 |
| SEPTEMBER | 74,200 | 322,000 | 222 | .320 |
| SUMMARY | 1,015,100 | 1,722,493 | 1,188 | .125 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 210,000 | 1,298,000 | 894 | .455 |
| NOVEMBER | 115,000 | 148,000 | 102 | .055 |
| DECEMBER | 101,000 | 5,940 | 4 | .004 |
| JANUARY | 92,100 | 8,010 | 6 | .006 |
| FEBRUARY | 94,500 | 9,440 | 6 | .007 |
| MARCH | 87,700 | 17,000 | 12 | .014 |
| APRIL | 66,400 | 6,360 | 4 | .007 |
| MAY | 121,000 | 137,000 | 94 | .033 |
| JUNE | 195,000 | 422,000 | 291 | .159 |
| JULY | 99,100 | 92,400 | 64 | .069 |
| AUGUST | 103,000 | 751,000 | 517 | .539 |
| SEPTEMBER | 766,000 | 6,976,000 | 4,800 | .670 |
| SUMMARY | 2,050,800 | 9,871,150 | 6,794 | .354 |

1/ Sampling record began August 1955

RIO GRANDE WATERSHED

DEL RIO STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 1,489,000 | 13,580,000 | 9,350 | .671 |
| NOVEMBER | 282,000 | 596,000 | 410 | .155 |
| DECEMBER | 167,000 | 13,300 | 9 | .006 |
| JANUARY | 146,000 | 9,320 | 6 | .005 |
| FEBRUARY | 112,000 | 7,860 | 5 | .005 |
| MARCH | 111,000 | 7,290 | 5 | .005 |
| APRIL | 99,400 | 3,030 | 2 | .002 |
| MAY | 150,000 | 237,000 | 163 | .117 |
| JUNE | 154,000 | 345,000 | 238 | .165 |
| JULY | 257,000 | 1,851,000 | 1,270 | .530 |
| AUGUST | 189,000 | 1,577,000 | 1,090 | .615 |
| SEPTEMBER | 256,000 | 1,886,000 | 1,300 | .543 |
| SUMMARY | 3,412,400 | 20,112,800 | 13,848 | .433 |

RIO GRANDE WATERSHED

EAGLE PASS STATION ON THE RIO GRANDE

Net Drainage Area: 130,575 sq. mi., of which 84,245 sq. mi. are in the United States and 46,330 sq. mi. are in Mexico
 Location: Cable car, 0.5 mile above the International Highway bridge between Eagle Pass, Texas and Piedras Negras, Mexico
 Records Available: April 1, 1934 to June 30, 1955

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 440,950 | | | |
| NOVEMBER | 196,880 | | | |
| DECEMBER | 175,320 | | | |
| JANUARY | 181,000 | | | |
| FEBRUARY | 157,000 | | | |
| MARCH | 162,000 | | | |
| APRIL 1/ | 144,000 | 13,900 | 10 | .007 |
| MAY | 175,000 | 326,700 | 225 | .137 |
| JUNE | 189,000 | 907,800 | 625 | .353 |
| JULY | 143,000 | 232,300 | 160 | .119 |
| AUGUST | 139,000 | 316,200 | 218 | .167 |
| SEPTEMBER | 166,000 | 562,400 | 387 | .249 |
| SUMMARY | 2,269,150 | | | |

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 384,000 | 822,600 | 366 | .157 |
| NOVEMBER | 230,000 | 207,000 | 143 | .066 |
| DECEMBER | 180,000 | 4,600 | 3 | .002 |
| JANUARY | 173,000 | 100 | | |
| FEBRUARY | 143,000 | 5,200 | 4 | .003 |
| MARCH | 161,000 | 20,200 | 14 | .009 |
| APRIL | 121,000 | 54,600 | 33 | .033 |
| MAY | 211,000 | 688,400 | 474 | .240 |
| JUNE | 287,000 | 687,600 | 474 | .176 |
| JULY | 249,000 | 499,400 | 344 | .147 |
| AUGUST | 167,000 | 370,300 | 599 | .383 |
| SEPTEMBER | 762,000 | 8,853,700 | 6,098 | .853 |
| SUMMARY | 3,068,000 | 12,713,700 | 8,757 | .304 |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 121,000 | 101,000 | 70 | .061 |
| NOVEMBER | 109,000 | 21,800 | 15 | .015 |
| DECEMBER | 112,000 | 1,600 | 1 | .001 |
| JANUARY | 116,000 | 300 | 1 | |
| FEBRUARY | 99,200 | 3,800 | 3 | .003 |
| MARCH | 108,000 | 272,800 | 188 | .186 |
| APRIL | 118,000 | 47,600 | 33 | .030 |
| MAY | 523,000 | 1,943,900 | 1,339 | .273 |
| JUNE | 1,005,000 | 5,548,200 | 3,821 | .405 |
| JULY | 267,000 | 499,600 | 344 | .137 |
| AUGUST | 207,000 | 598,500 | 412 | .212 |
| SEPTEMBER | 1,285,000 | 7,402,400 | 5,098 | .423 |
| SUMMARY | 4,070,200 | 16,442,000 | 11,642 | .297 |

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FeET | SILT LOAD OF STREAM TONS | STREAM ACRE-FeET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 376,000 | 382,500 | 606 | .172 |
| NOVEMBER | 180,000 | 28,800 | 20 | .012 |
| DECEMBER | 181,000 | 20,200 | 14 | .008 |
| JANUARY | 158,000 | 5,700 | 4 | .003 |
| FEBRUARY | 134,000 | 21,200 | 15 | .012 |
| MARCH | 136,000 | 40,300 | 28 | .022 |
| APRIL | 99,500 | 19,500 | 13 | .014 |
| MAY | 117,000 | 48,500 | 33 | .030 |
| JUNE | 274,000 | 3,803,400 | 2,619 | .018 |
| JULY | 125,000 | 138,200 | 95 | .061 |
| AUGUST | 136,000 | 1,220,500 | 841 | .061 |
| SEPTEMBER | 261,000 | 6,886,000 | 4,605 | .182 |
| SUMMARY | 2,177,600 | 12,914,800 | 8,895 | .436 |

1/ Sampling record began April 1934

RIO GRANDE WATERSHED

EAGLE PASS STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF STREAM TONS | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF STREAM TONS | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-------------------------|-----------|-------------------------------|--------------------------------|-------------------------|
| OCTOBER | 284,000 | 2,140,500 | .553 | OCTOBER | 165,000 | 275,905 | .133 |
| NOVEMBER | 119,000 | 297,500 | .157 | NOVEMBER | 160,000 | 290,720 | .137 |
| DECEMBER | 156,000 | 122,100 | .034 | DECEMBER | 138,000 | 10,837 | .008 |
| JANUARY | 189,000 | 179,980 | .070 | JANUARY | 131,000 | 4,218 | .003 |
| FEBRUARY | 143,000 | 16,314 | .008 | FEBRUARY | 121,870 | 46,667 | .023 |
| MARCH | 128,000 | 61,891 | .004 | MARCH | 106,050 | 21,688 | .015 |
| APRIL | 98,100 | 40,284 | .030 | APRIL | 133,350 | 183,589 | .132 |
| MAY | 102,000 | 43,269 | .032 | MAY | 201,630 | 932,887 | .340 |
| JUNE | 169,000 | 3,182,824 | 1.385 | JUNE | 184,580 | 294,847 | .117 |
| JULY | 1,255,000 | 11,377,530 | 7.936 | JULY | 170,500 | 511,211 | .220 |
| AUGUST | 693,000 | 1,924,100 | 1.325 | AUGUST | 212,200 | 1,753,005 | .474 |
| SEPTEMBER | 1,071,000 | 7,369,080 | 5.472 | SEPTEMBER | 182,500 | 760,339 | .306 |
| SUMMARY | 6,237,100 | 26,598,372 | 18.387 | SUMMARY | 1,965,170 | 5,100,597 | 3.512 |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF STREAM TONS | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF STREAM TONS | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-------------------------|-----------|-------------------------------|--------------------------------|-------------------------|
| OCTOBER | 383,000 | 547,152 | .105 | OCTOBER | 184,600 | 2,555,893 | 1.316 |
| NOVEMBER | 186,000 | 20,823 | .068 | NOVEMBER | 121,810 | 110,952 | .071 |
| DECEMBER | 165,000 | 7,177 | .003 | DECEMBER | 103,020 | 19,880 | .014 |
| JANUARY | 158,000 | 7,763 | .004 | JANUARY | 154,400 | 30,825 | .022 |
| FEBRUARY | 145,000 | 9,844 | .005 | FEBRUARY | 122,000 | 31,152 | .019 |
| MARCH | 133,000 | 12,566 | .007 | MARCH | 113,800 | 12,234 | .008 |
| APRIL | 92,100 | 4,426 | .004 | APRIL | 170,700 | 296,566 | .128 |
| MAY | 155,000 | 228,842 | .108 | MAY | 407,500 | 4,218 | .010 |
| JUNE | 117,000 | 35,612 | .022 | JUNE | 359,700 | 1,310,670 | .269 |
| JULY | 138,000 | 37,846 | .100 | JULY | 414,600 | 3,020,300 | .902 |
| AUGUST | 381,000 | 2,922,839 | 2.017 | AUGUST | 417,100 | 3,092,198 | 3.546 |
| SEPTEMBER | 139,000 | 88,192 | .047 | SEPTEMBER | 811,400 | 5,288,917 | 3.642 |
| SUMMARY | 2,189,100 | 4,073,182 | 2.809 | SUMMARY | 3,333,590 | 23,971,239 | 16.508 |

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF STREAM TONS | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FOOT | SILT LOAD OF STREAM TONS | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-------------------------|-----------|-------------------------------|--------------------------------|-------------------------|
| OCTOBER | 383,000 | 547,152 | .105 | OCTOBER | 184,600 | 2,555,893 | 1.316 |
| NOVEMBER | 186,000 | 20,823 | .068 | NOVEMBER | 121,810 | 110,952 | .071 |
| DECEMBER | 165,000 | 7,177 | .003 | DECEMBER | 103,020 | 19,880 | .014 |
| JANUARY | 158,000 | 7,763 | .004 | JANUARY | 154,400 | 30,825 | .022 |
| FEBRUARY | 145,000 | 9,844 | .005 | FEBRUARY | 122,000 | 31,152 | .019 |
| MARCH | 133,000 | 12,566 | .007 | MARCH | 113,800 | 12,234 | .008 |
| APRIL | 92,100 | 4,426 | .004 | APRIL | 170,700 | 296,566 | .128 |
| MAY | 155,000 | 228,842 | .108 | MAY | 407,500 | 4,218 | .010 |
| JUNE | 117,000 | 35,612 | .022 | JUNE | 359,700 | 1,310,670 | .269 |
| JULY | 138,000 | 37,846 | .100 | JULY | 414,600 | 3,020,300 | .902 |
| AUGUST | 381,000 | 2,922,839 | 2.017 | AUGUST | 417,100 | 3,092,198 | 3.546 |
| SEPTEMBER | 139,000 | 88,192 | .047 | SEPTEMBER | 811,400 | 5,288,917 | 3.642 |
| SUMMARY | 2,189,100 | 4,073,182 | 2.809 | SUMMARY | 3,333,590 | 23,971,239 | 16.508 |

RIO GRANDE WATERSHED

EAGLE PASS STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,680,300 | 8,445,746 | 5,817 | .370 |
| NOVEMBER | 512,800 | 443,568 | 306 | .064 |
| DECEMBER | 294,500 | 95,812 | 66 | .024 |
| JANUARY | 225,800 | 39,516 | 27 | .013 |
| FEBRUARY | 181,400 | 45,867 | 32 | .019 |
| MARCH | 169,800 | 44,001 | 30 | .019 |
| APRIL | 139,900 | 77,311 | 53 | .041 |
| MAY | 349,900 | 833,536 | 574 | .175 |
| JUNE | 331,000 | 612,604 | 422 | .136 |
| JULY | 264,100 | 369,052 | 254 | .103 |
| AUGUST | 538,200 | 7,705,665 | 5,307 | 1.053 |
| SEPTEMBER | 1,541,400 | 15,685,622 | 10,803 | .748 |
| SUMMARY | 6,229,100 | 34,398,300 | 23,691 | .406 |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 270,100 | 1,076,107 | 741 | .293 |
| NOVEMBER | 148,300 | 68,809 | 47 | .034 |
| DECEMBER | 143,400 | 54,582 | 38 | .028 |
| JANUARY | 151,000 | 53,383 | 37 | .026 |
| FEBRUARY | 122,600 | 33,329 | 23 | .020 |
| MARCH | 125,800 | 20,522 | 14 | .012 |
| APRIL | 89,790 | 18,217 | 12 | .015 |
| MAY | 116,300 | 107,560 | 74 | .068 |
| JUNE | 131,300 | 301,640 | 208 | .169 |
| JULY | 92,890 | 94,724 | 65 | .075 |
| AUGUST | 156,000 | 1,179,065 | 812 | .556 |
| SEPTEMBER | 531,800 | 4,665,155 | 3,213 | .644 |
| SUMMARY | 2,079,780 | 7,673,093 | 5,284 | .271 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 573,300 | 912,373 | 628 | .117 |
| NOVEMBER | 320,100 | 265,268 | 183 | .061 |
| DECEMBER | 225,800 | 76,095 | 52 | .025 |
| JANUARY | 196,500 | 51,837 | 36 | .019 |
| FEBRUARY | 155,700 | 31,303 | 22 | .015 |
| MARCH | 155,300 | 42,431 | 29 | .020 |
| APRIL | 126,500 | 69,580 | 48 | .040 |
| MAY | 204,300 | 862,908 | 594 | .311 |
| JUNE | 195,800 | 298,224 | 205 | .112 |
| JULY | 326,000 | 1,786,604 | 1,230 | .403 |
| AUGUST | 123,500 | 241,717 | 166 | .144 |
| SEPTEMBER | 108,100 | 1,071,317 | 738 | .729 |
| SUMMARY | 2,711,400 | 5,709,657 | 3,931 | .155 |

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 298,700 | 389,838 | 268 | .096 |
| NOVEMBER | 145,900 | 17,350 | 12 | .009 |
| DECEMBER | 132,100 | 14,367 | 10 | .008 |
| JANUARY | 151,100 | 27,329 | 19 | .013 |
| FEBRUARY | 122,200 | 20,773 | 14 | .012 |
| MARCH | 111,300 | 26,326 | 18 | .017 |
| APRIL | 114,800 | 77,113 | 53 | .049 |
| MAY | 70,210 | 25,680 | 18 | .027 |
| JUNE | 48,710 | 6,226 | 4 | .009 |
| JULY | 407,600 | 3,984,454 | 2,744 | .719 |
| AUGUST | 90,440 | 21,519 | 15 | .018 |
| SEPTEMBER | 69,920 | 18,824 | 13 | .020 |
| SUMMARY | 1,762,980 | 4,630,299 | 3,188 | .193 |

RIO GRANDE WATERSHED

EAGLE PASS STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 525,300 | 4,163,996 | 2,868 | .583 |
| NOVEMBER | 163,100 | 53,682 | 37 | .024 |
| DECEMBER | 125,700 | 25,119 | 17 | .015 |
| JANUARY | 136,900 | 32,012 | 22 | .017 |
| FEBRUARY | 110,500 | 23,147 | 16 | .015 |
| MARCH | 109,200 | 10,983 | 8 | .007 |
| APRIL | 138,100 | 193,367 | 133 | .103 |
| MAY | 200,500 | 730,564 | 503 | .268 |
| JUNE | 345,000 | 896,050 | 617 | .191 |
| JULY | 184,900 | 221,493 | 152 | .088 |
| AUGUST | 86,400 | 25,840 | 18 | .022 |
| SEPTEMBER | 313,400 | 1,976,946 | 1,362 | .464 |
| SUMMARY | 2,439,000 | 8,353,299 | 5,753 | .252 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 108,100 | 34,835 | 24 | .024 |
| NOVEMBER | 112,800 | 64,110 | 44 | .062 |
| DECEMBER | 125,700 | 18,801 | 13 | .011 |
| JANUARY | 96,060 | 4,790 | 3 | .004 |
| FEBRUARY | 97,510 | 13,500 | 9 | .010 |
| MARCH | 93,510 | 5,530 | 4 | .004 |
| APRIL | 60,250 | 11,300 | 8 | .014 |
| MAY | 72,640 | 134,000 | 92 | .136 |
| JUNE | 915,900 | 6,298,000 | 4,340 | .506 |
| JULY | 629,800 | 3,638,000 | 2,510 | .425 |
| AUGUST | 132,200 | 327,000 | 225 | .182 |
| SEPTEMBER | 163,800 | 181,000 | 125 | .081 |
| SUMMARY | 2,608,270 | 10,730,866 | 7,397 | .303 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 465,200 | 2,814,705 | 1,938 | .445 |
| NOVEMBER | 157,000 | 30,518 | 21 | .014 |
| DECEMBER | 138,600 | 21,859 | 15 | .012 |
| JANUARY | 161,900 | 34,121 | 24 | .016 |
| FEBRUARY | 136,200 | 12,778 | 9 | .007 |
| MARCH | 122,400 | 34,617 | 24 | .021 |
| APRIL | 133,350 | 10,999 | 8 | .010 |
| MAY | 201,430 | 298,590 | 206 | .144 |
| JUNE | 184,880 | 284,586 | 196 | .130 |
| JULY | 170,500 | 17,434 | 12 | .014 |
| AUGUST | 272,290 | 1,275,808 | 879 | .550 |
| SEPTEMBER | 182,500 | 3,137,091 | 2,160 | .649 |
| SUMMARY | 1,965,170 | 7,973,106 | 5,492 | .268 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 158,700 | 203,000 | 140 | .094 |
| NOVEMBER | 138,300 | 76,800 | 53 | .041 |
| DECEMBER | 114,600 | 29,900 | 21 | .019 |
| JANUARY | 113,700 | 15,800 | 11 | .010 |
| FEBRUARY | 398,200 | 1,115,000 | 768 | .206 |
| MARCH | 211,100 | 78,000 | 52 | .026 |
| APRIL | 270,700 | 677,000 | 466 | .184 |
| MAY | 279,600 | 471,000 | 324 | .124 |
| JUNE | 241,200 | 915,000 | 630 | .279 |
| JULY | 240,700 | 1,750,000 | 1,210 | .535 |
| AUGUST | 519,100 | 3,633,000 | 2,500 | .515 |
| SEPTEMBER | 346,300 | 3,680,000 | 2,530 | .782 |
| SUMMARY | 3,032,700 | 12,642,500 | 8,705 | .307 |

RIO GRANDE WATERSHED

EAGLE PASS STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 311,200 | 1,167,000 | 804 | .276 |
| NOVEMBER | 200,100 | 816,000 | 562 | .300 |
| DECEMBER | 163,300 | 48,400 | 33 | .022 |
| JANUARY | 168,000 | 32,700 | 22 | .014 |
| FEBRUARY | 135,400 | 29,300 | 20 | .016 |
| MARCH | 122,800 | 30,400 | 21 | .018 |
| APRIL | 86,000 | 29,200 | 20 | .025 |
| MAY | 104,100 | 118,000 | 81 | .083 |
| JUNE | 143,300 | 1,208,000 | 832 | .620 |
| JULY | 265,300 | 2,976,000 | 2,050 | .826 |
| AUGUST | 201,000 | 2,019,000 | 1,390 | .739 |
| SEPTEMBER | 273,900 | 2,975,000 | 2,050 | .799 |
| SUMMARY | 2,174,400 | 11,449,000 | 7,285 | .387 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 65,490 | 55,500 | 38 | .062 |
| NOVEMBER | 64,870 | 98,300 | 62 | .112 |
| DECEMBER | 56,880 | 12,100 | 8 | .016 |
| JANUARY | 57,340 | 7,010 | 5 | .009 |
| FEBRUARY | 49,310 | 14,400 | 10 | .022 |
| MARCH | 40,230 | 8,840 | 6 | .016 |
| APRIL | 48,920 | 65,500 | 45 | .096 |
| MAY | 135,100 | 197,000 | 139 | .107 |
| JUNE | 69,410 | 204,000 | 140 | .217 |
| JULY | 333,600 | 4,391,000 | 3,370 | 1.079 |
| AUGUST | 50,080 | 32,100 | 22 | .047 |
| SEPTEMBER | 27,050 | 10,200 | 7 | .028 |
| SUMMARY | 998,280 | 5,596,050 | 3,855 | .412 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 200,900 | 1,115,000 | 768 | .408 |
| NOVEMBER | 100,400 | 20,700 | 14 | .015 |
| DECEMBER | 100,800 | 23,100 | 16 | .017 |
| JANUARY | 90,660 | 16,800 | 12 | .014 |
| FEBRUARY | 89,260 | 13,100 | 9 | .011 |
| MARCH | 102,500 | 35,500 | 24 | .026 |
| APRIL | 60,230 | 25,700 | 18 | .031 |
| MAY | 173,400 | 558,000 | 384 | .237 |
| JUNE | 156,300 | 618,000 | 426 | .291 |
| JULY | 79,180 | 132,000 | 91 | .122 |
| AUGUST | 71,070 | 105,000 | 72 | .109 |
| SEPTEMBER | 86,170 | 701,000 | 483 | .599 |
| SUMMARY | 1,310,870 | 3,363,900 | 2,317 | .189 |

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 31,560 | 5,400 | 4 | .013 |
| NOVEMBER | 35,630 | | | |
| DECEMBER | 41,000 | 2,200 | 2 | .004 |
| JANUARY | 42,690 | 4,730 | 3 | .008 |
| FEBRUARY | 33,320 | 5,560 | 4 | .012 |
| MARCH | 48,910 | 12,300 | 9 | .019 |
| APRIL | 14,770 | 3,000 | 3 | .023 |
| MAY | 8,430 | 2,790 | 2 | .024 |
| JUNE | 4,530 | 860 | 1 | .014 |
| JULY | 29,300 | 43,100 | 30 | .105 |
| AUGUST | 91,980 | 172,000 | 118 | .132 |
| SEPTEMBER | 287,200 | 810,000 | 558 | .205 |
| SUMMARY | 669,320 | | | |

RIO GRANDE WATERSHED

EAGLE PASS STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | OF STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|------------------------|-------------------------|
| OCTOBER | 59,370 | 23,500 | 16 | .029 |
| NOVEMBER | 40,790 | 6,460 | 4 | .012 |
| DECEMBER | 46,820 | | | |
| JANUARY | 46,990 | 5,530 | 4 | .009 |
| FEBRUARY | 41,470 | 11,600 | 8 | .021 |
| MARCH | 26,970 | 6,300 | 4 | .017 |
| APRIL | 219,000 | 1,336,000 | 920 | .449 |
| MAY | 209,500 | 1,093,000 | 753 | .384 |
| JUNE | 2,794,000 | 2,549,000 | 1,760 | .544 |
| JULY | 277,900 | 1,020 | 1 | .002 |
| AUGUST | 262,200 | 2,103,000 | 1,450 | .590 |
| SEPTEMBER | 178,000 | 1,251,000 | 862 | .517 |
| SUMMARY | 4,203,010 | | | |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|--------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 197,400 | 760,000 | 523 | .283 |
| NOVEMBER | 90,960 | 26,500 | 18 | .021 |
| DECEMBER | 79,480 | 7,720 | 5 | .007 |
| JANUARY | 73,550 | 17,100 | 12 | .017 |
| FEBRUARY | 59,620 | 24,800 | 17 | .031 |
| MARCH | 50,350 | 23,200 | 15 | .034 |
| APRIL | 30,480 | 11,000 | 8 | .027 |
| MAY | 130,000 | 498,000 | 343 | .282 |
| JUNE ^{1/} | 103,000 | 401,000 | 276 | .284 |
| JULY | 163,900 | | | |
| AUGUST | 275,400 | | | |
| SEPTEMBER | 399,900 | | | |
| SUMMARY | 1,654,860 | | | |

^{1/} Sampling discontinued June 1955

RIO GRANDE WATERSHED

LAREDO STATION ON THE RIO GRANDE

Net Drainage Area: 135,976 sq. mi., of which 85,718 sq. mi. are in the United States and 50,258 sq. mi. are in Mexico
 Location: Cable car located 0.9 mile downstream from the International Highway bridge between Laredo, Texas and Nuevo Laredo, Mexico
 Records Available: January 1, 1953 to date

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 31,910 | | | |
| NOVEMBER | 43,110 | | | |
| DECEMBER | 52,230 | | | |
| JANUARY ^{1/} | 54,800 | 6,530 | 4 | .009 |
| FEBRUARY | 41,050 | 3,180 | 2 | .006 |
| MARCH | 68,250 | 38,900 | 27 | .042 |
| APRIL | 28,300 | 5,330 | 4 | .014 |
| MAY | 33,360 | 105,000 | 72 | .231 |
| JUNE | 337 | | | |
| JULY | 17,470 | | | |
| AUGUST | 187,300 | 82,900 | 57 | .033 |
| SEPTEMBER | 407,800 | 60,000 | 41 | .011 |
| SUMMARY | 965,917 | | | |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 250,000 | 382,000 | 263 | .112 |
| NOVEMBER | 111,100 | 19,000 | 13 | .013 |
| DECEMBER | 105,000 | 8,320 | 6 | .006 |
| JANUARY | 97,870 | 18,800 | 13 | .014 |
| FEBRUARY | 84,340 | 15,600 | 11 | .014 |
| MARCH | 57,210 | 5,320 | 4 | .007 |
| APRIL | 35,480 | 884 | | .001 |
| MAY | 134,800 | 363,000 | 250 | .198 |
| JUNE | 103,000 | 42,700 | 29 | .030 |
| JULY | 187,600 | 2,198,000 | 1,510 | .862 |
| AUGUST | 327,900 | 2,842,000 | 1,950 | .638 |
| SEPTEMBER | 388,900 | 2,822,000 | 1,940 | .534 |
| SUMMARY | 1,883,200 | 8,717,424 | 5,999 | .341 |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 76,850 | 43,100 | 30 | .041 |
| NOVEMBER | 49,350 | 8,860 | 6 | .013 |
| DECEMBER | 52,360 | 5,660 | 4 | .008 |
| JANUARY | 55,100 | 11,300 | 8 | .015 |
| FEBRUARY | 45,770 | 3,270 | 2 | .005 |
| MARCH | 30,960 | 1,190 | 1 | .003 |
| APRIL | 240,800 | 529,000 | 364 | .162 |
| MAY | 285,100 | 959,000 | 660 | .247 |
| JUNE | 1,994,000 | 1,114,000 | 767 | .320 |
| JULY | 655,500 | | | |
| AUGUST | 284,200 | 1,993,000 | 1,370 | .516 |
| SEPTEMBER | 252,500 | 1,061,000 | 731 | .309 |
| SUMMARY | 4,022,490 | | | |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 255,200 | 2,135,000 | 1,470 | .616 |
| NOVEMBER | 120,000 | 14,600 | 10 | .009 |
| DECEMBER | 101,700 | 9,530 | 7 | .007 |
| JANUARY | 91,720 | 9,340 | 6 | .007 |
| FEBRUARY | 72,580 | 2,440 | 2 | .002 |
| MARCH | 49,380 | 1,130 | 1 | .002 |
| APRIL | 36,250 | 2,100 | 1 | .004 |
| MAY | 39,430 | 3,340 | 2 | .006 |
| JUNE | 18,040 | 907 | 1 | .004 |
| JULY | 46,220 | 57,700 | 40 | .092 |
| AUGUST | 36,970 | 6,160 | 4 | .012 |
| SEPTEMBER | 101,400 | 178,000 | 123 | .129 |
| SUMMARY | 968,990 | 2,420,247 | 1,667 | .184 |

^{1/} Sampling record began January 1953

RIO GRANDE WATERSHED

LAREDO STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1957

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. | MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 165,400 | 786,000 | 541 | .350 | OCTOBER | 1,822,000 | 10,921,000 | 7,520 | .441 |
| NOVEMBER | 64,760 | 14,800 | 10 | .017 | NOVEMBER | 488,900 | 1,723,000 | 1,190 | .259 |
| DECEMBER | 64,390 | 4,010 | 3 | .005 | DECEMBER | 266,400 | 17,500 | 1? | .005 |
| JANUARY | 61,190 | 6,920 | 5 | .008 | JANUARY | 219,200 | 22,000 | 15 | .007 |
| FEBRUARY | 70,870 | 27,800 | 19 | .029 | FEBRUARY | 174,800 | 27,400 | 19 | .012 |
| MARCH | 69,180 | 37,800 | 26 | .040 | MARCH | 151,600 | 12,400 | 8 | .006 |
| APRIL | 464,000 | 2,795,000 | 1,920 | .443 | APRIL | 129,700 | 11,700 | 9 | .007 |
| MAY | 1,351,000 | 5,134,000 | 3,540 | .280 | MAY | 176,200 | 90,500 | 62 | .038 |
| JUNE | 366,700 | 1,085,000 | 747 | .214 | JUNE | 224,600 | 455,000 | 313 | .149 |
| JULY | 70,550 | 7,290 | 5 | .008 | JULY | 273,000 | 1,195,000 | 823 | .322 |
| AUGUST | 95,140 | 12,300 | 8 | .009 | AUGUST | 177,300 | 475,000 | 327 | .197 |
| SEPTEMBER | 169,200 | 277,000 | 191 | .120 | SEPTEMBER | 282,700 | 2,269,000 | 1,560 | .591 |
| SUMMARY | 3,012,380 | 10,187,920 | 7,015 | .249 | SUMMARY | 4,386,400 | 17,219,500 | 11,857 | .288 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 251,300 | 984,000 | 678 | .288 |
| NOVEMBER | 136,400 | 122,000 | 84 | .066 |
| DECEMBER | 114,800 | 27,500 | 19 | .018 |
| JANUARY | 144,000 | 40,700 | 28 | .021 |
| FEBRUARY | 126,900 | 40,800 | 28 | .024 |
| MARCH | 106,700 | 22,800 | 16 | .016 |
| APRIL | 65,350 | 16,300 | 11 | .018 |
| MAY | 181,700 | 541,000 | 373 | .219 |
| JUNE | 303,400 | 818,000 | 563 | .198 |
| JULY | 114,700 | 107,000 | 74 | .069 |
| AUGUST | 96,220 | 16,600 | 11 | .013 |
| SEPTEMBER | 855,500 | 5,323,000 | 3,670 | .458 |
| SUMMARY | 2,496,970 | 8,059,700 | 5,555 | .238 |

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RIO GRANDE WATERSHED

FALCON DAM STATION ON THE RIO GRANDE

Net Drainage Area: 164,482 sq. mi., of which 87,760 sq. mi. are in the United States and 76,722 sq. mi. are in Mexico

Location: United States Tailrace of Falcon Dam

Records Available: July 1, 1955 to date

Comments: Discharge represents water measured as it leaves Falcon Reservoir through turbines, by-pass valves, spillway gates, and leakage. The discharge at the Chapino Station was used when spillway gates were in operation.

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 40,600 | | | |
| NOVEMBER | 68,600 | | | |
| DECEMBER | 111,000 | | | |
| JANUARY | 368,000 | | | |
| FEBRUARY | 245,000 | | | |
| MARCH | 164,000 | | | |
| APRIL | 347,000 | | | |
| MAY | 526,000 | | | |
| JUNE | 437,000 | | | |
| JULY 1/ | 78,700 | 1,310 | 1 | .001 |
| AUGUST | 195,000 | 3,720 | 3 | .001 |
| SEPTEMBER | 15,600 | 1,120 | 1 | .005 |
| SUMMARY | 2,596,500 | | | |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 27,100 | 352 | | .001 |
| NOVEMBER | 30,100 | 3,540 | 2 | .009 |
| DECEMBER | 188,000 | 5,510 | 4 | .002 |
| JANUARY | 163,000 | 6,100 | 4 | .003 |
| FEBRUARY | 42,600 | 1,800 | 1 | .003 |
| MARCH | 2,370 | 236 | | .007 |
| APRIL | 19,500 | 912 | 1 | .003 |
| MAY | 217,000 | 7,530 | 5 | .003 |
| JUNE | 165,000 | 6,540 | 5 | .003 |
| JULY | 111,000 | 782 | | .001 |
| AUGUST | 206,000 | 1,240 | 1 | |
| SEPTEMBER | 151,000 | 2,450 | 2 | .001 |
| SUMMARY | 1,322,690 | 37,092 | 25 | .002 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 86,400 | 3,230 | 2 | .003 |
| NOVEMBER | 110,000 | 1,190 | 1 | .001 |
| DECEMBER | 186,000 | 2,840 | 2 | .001 |
| JANUARY | 345,000 | 4,150 | 3 | .001 |
| FEBRUARY | 349,000 | 4,100 | 3 | .001 |
| MARCH | 167,000 | 1,470 | 1 | .001 |
| APRIL | 152,000 | 2,960 | 2 | .001 |
| MAY | 237,000 | 3,410 | 4 | .002 |
| JUNE | 276,000 | 27,200 | 19 | .007 |
| JULY | 13,300 | 1,320 | 1 | .005 |
| AUGUST | 25,900 | 427 | | .001 |
| SEPTEMBER | 80,900 | 2,130 | 2 | .002 |
| SUMMARY | 2,033,500 | 56,427 | 40 | .002 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 198,000 | 1,170 | 1 | |
| NOVEMBER | 77,500 | 3,490 | 2 | .003 |
| DECEMBER | 130,000 | 2,100 | 1 | .001 |
| JANUARY | 46,100 | 1,400 | 1 | .002 |
| FEBRUARY | 16,600 | 415 | | .002 |
| MARCH | 22,600 | 1,800 | 1 | .006 |
| APRIL | 226,000 | 17,700 | 12 | .009 |
| MAY | 260,000 | 3,040 | 2 | .001 |
| JUNE | 408,000 | 16,000 | 11 | .003 |
| JULY | 79,500 | 2,600 | 2 | .002 |
| AUGUST | 133,000 | 3,310 | 2 | .002 |
| SEPTEMBER | 235,000 | 3,820 | 3 | .001 |
| SUMMARY | 1,832,300 | 56,845 | 38 | .002 |

1/ Sampling record began July 1955

RIO GRANDE WATERSHED

FALCON DAM STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,997,000 | 54,500 | 38 | .002 |
| NOVEMBER | 1,128,000 | 7,970 | 6 | .001 |
| DECEMBER | 465,000 | 21,300 | 15 | .003 |
| JANUARY | 213,000 | 2,990 | 2 | .001 |
| FEBRUARY | 335,000 | 13,200 | 9 | .003 |
| MARCH | 347,000 | 6,230 | 4 | .001 |
| APRIL | 185,000 | 1,810 | 1 | .001 |
| MAY | 325,000 | 7,390 | 5 | .002 |
| JUNE | 253,000 | 3,184 | 2 | .009 |
| JULY | 229,000 | 1,760 | 1 | .001 |
| AUGUST | 120,000 | 836 | 1 | .001 |
| SEPTEMBER | 274,000 | 2,660 | 2 | .001 |
| SUMMARY | 9,871,000 | 123,830 | 86 | .002 |

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE

Net Drainage Area: 166,464 sq. mi., of which 87,847 sq. mi. are in the United States and 78,617 sq. mi. are in Mexico
 Location: International Highway bridge between Roma, Texas and Ciudad Miguel Aleman (formerly San Pedro), Mexico
 Records Available: March 6, 1929 to January 31, 1955
 Comments: Since August 25, 1953 flow at this station has been controlled largely by releases from Falcon Reservoir

WATER YEAR 1929

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 359,000 | | | |
| NOVEMBER | 283,000 | | | |
| DECEMBER | 259,000 | | | |
| JANUARY | 207,000 | | | |
| FEBRUARY | 163,000 | | | |
| MARCH 1/ | 186,000 | 17,900 | 12 | .008 |
| APRIL | 185,000 | 402,000 | 277 | .160 |
| MAY | 326,000 | 1,538,000 | 1,059 | .346 |
| JUNE | 184,000 | 315,000 | 217 | .126 |
| JULY | 240,000 | 1,144,000 | 788 | .350 |
| AUGUST | 276,000 | 1,375,000 | 947 | .366 |
| SEPTEMBER | 338,000 | 2,814,000 | 1,938 | .612 |
| SUMMARY | 3,006,000 | | | |

WATER YEAR 1931

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 732,000 | 4,572,000 | 3,149 | .459 |
| NOVEMBER | 336,000 | 418,000 | 288 | .091 |
| DECEMBER | 213,000 | 41,100 | 28 | .014 |
| JANUARY | 208,000 | 67,900 | 47 | .024 |
| FEBRUARY | 220,000 | 42,900 | 30 | .014 |
| MARCH | 201,000 | 60,100 | 41 | .022 |
| APRIL | 180,000 | 208,000 | 143 | .085 |
| MAY | 473,000 | 2,116,000 | 1,457 | .329 |
| JUNE | 290,000 | 582,000 | 401 | .147 |
| JULY | 542,530 | 3,358,000 | 2,313 | .455 |
| AUGUST | 285,110 | 1,030,000 | 709 | .265 |
| SEPTEMBER | 152,750 | 62,100 | 43 | .030 |
| SUMMARY | 3,833,390 | 12,558,100 | 8,649 | .241 |

WATER YEAR 1930

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 252,000 | 545,000 | 375 | .159 |
| NOVEMBER | 171,000 | 293,000 | 202 | .126 |
| DECEMBER | 192,000 | 463,000 | 319 | .177 |
| JANUARY | 146,000 | 25,200 | 17 | .013 |
| FEBRUARY | 138,000 | 176,000 | 121 | .094 |
| MARCH | 99,000 | 27,600 | 19 | .020 |
| APRIL | 223,000 | 1,933,000 | 1,345 | .643 |
| MAY | 406,000 | 3,592,000 | 2,474 | .650 |
| JUNE | 595,000 | 3,933,000 | 2,709 | .486 |
| JULY | 131,000 | 70,500 | 49 | .040 |
| AUGUST | 246,000 | 2,280,000 | 1,570 | .681 |
| SEPTEMBER | 117,000 | 232,000 | 160 | .146 |
| SUMMARY | 2,716,000 | 13,590,300 | 9,360 | .368 |

WATER YEAR 1932

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 180,820 | 192,600 | 133 | .078 |
| NOVEMBER | 151,820 | 26,200 | 18 | .013 |
| DECEMBER | 192,580 | 74,700 | 51 | .028 |
| JANUARY | 166,910 | 35,300 | 24 | .016 |
| FEBRUARY | 152,330 | 46,900 | 32 | .023 |
| MARCH | 155,070 | 68,100 | 47 | .032 |
| APRIL | 133,470 | 343,600 | 237 | .189 |
| MAY | 233,460 | 926,400 | 638 | .292 |
| JUNE | 112,700 | 84,700 | 58 | .055 |
| JULY | 195,410 | 600,300 | 414 | .220 |
| AUGUST | 228,080 | 2,483,000 | 1,713 | .302 |
| SEPTEMBER | 3,047,630 | 25,206,000 | 17,360 | .608 |
| SUMMARY | 4,950,280 | 30,093,000 | 20,725 | .447 |

1/ Sampling began March 26, 1929 but the published record represents the period of March 6 through March 31

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1933

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 2,371,870 | 13,052,000 | 8,995 | .404 |
| NOVEMBER | 735,960 | 425,900 | 293 | .042 |
| DECEMBER | 565,140 | 209,400 | 144 | .027 |
| JANUARY | 467,370 | 124,300 | 86 | .020 |
| FEBRUARY | 349,000 | 91,300 | 63 | .019 |
| MARCH | 260,610 | 36,300 | 25 | .010 |
| APRIL | 223,560 | 91,000 | 63 | .030 |
| MAY | 195,530 | 136,300 | 94 | .051 |
| JUNE | 178,240 | 76,500 | 53 | .032 |
| JULY | 265,390 | 533,300 | 367 | .148 |
| AUGUST | 242,620 | 249,300 | 172 | .076 |
| SEPTEMBER | 1,266,270 | 10,338,200 | 7,120 | .600 |
| SUMMARY | 7,121,560 | 25,363,800 | 17,475 | .262 |

WATER YEAR 1935

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 163,000 | 243,900 | 168 | .110 |
| NOVEMBER | 127,000 | 162,000 | 112 | .094 |
| DECEMBER | 114,000 | 10,000 | 7 | .006 |
| JANUARY | 119,000 | 2,600 | 2 | .002 |
| FEBRUARY | 108,000 | 14,800 | 10 | .013 |
| MARCH | 126,000 | 116,900 | 80 | .063 |
| APRIL | 164,000 | 623,100 | 429 | .280 |
| MAY | 570,000 | 3,402,300 | 2,343 | .438 |
| JUNE | 1,586,000 | 9,468,400 | 6,521 | .438 |
| JULY | 400,000 | 1,376,700 | 948 | .253 |
| AUGUST | 248,000 | 455,500 | 314 | .135 |
| SEPTEMBER | 1,499,000 | 11,257,700 | 7,753 | .551 |
| SUMMARY | 5,224,000 | 27,133,900 | 18,637 | .392 |

WATER YEAR 1934

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 673,950 | 1,942,300 | 1,338 | .212 |
| NOVEMBER | 253,890 | 63,000 | 43 | .018 |
| DECEMBER | 207,590 | 18,200 | 13 | .006 |
| JANUARY | 219,000 | 73,700 | 51 | .025 |
| FEBRUARY | 177,000 | 24,300 | 17 | .010 |
| MARCH | 174,000 | 21,500 | 15 | .009 |
| APRIL | 239,000 | 538,100 | 371 | .165 |
| MAY | 219,000 | 276,700 | 191 | .093 |
| JUNE | 253,000 | 639,000 | 440 | .185 |
| JULY | 189,000 | 337,500 | 232 | .131 |
| AUGUST | 157,000 | 164,300 | 113 | .077 |
| SEPTEMBER | 196,000 | 868,900 | 598 | .326 |
| SUMMARY | 2,958,430 | 4,967,500 | 3,422 | .124 |

WATER YEAR 1936

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 471,000 | 1,585,100 | 1,092 | .247 |
| NOVEMBER | 252,000 | 246,600 | 170 | .072 |
| DECEMBER | 231,000 | 105,400 | 73 | .034 |
| JANUARY | 190,000 | 3,400 | 2 | .001 |
| FEBRUARY | 159,000 | 3,500 | 2 | .002 |
| MARCH | 188,000 | 35,200 | 24 | .014 |
| APRIL | 144,000 | 136,000 | 94 | .069 |
| MAY | 434,000 | 2,416,700 | 1,664 | .409 |
| JUNE | 202,000 | 777,000 | 535 | .282 |
| JULY | 515,000 | 2,129,500 | 1,467 | .304 |
| AUGUST | 220,000 | 752,700 | 518 | .251 |
| SEPTEMBER | 958,000 | 10,031,300 | 6,909 | .769 |
| SUMMARY | 3,964,000 | 18,222,400 | 12,530 | .338 |

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1937

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 536,000 | 3,200,900 | 2,204 | .438 |
| NOVEMBER | 194,000 | 15,800 | 11 | .006 |
| DECEMBER | 200,000 | 1,500 | 1 | .001 |
| JANUARY | 175,000 | 600 | | |
| FEBRUARY | 147,000 | 1,200 | 1 | .001 |
| MARCH | 155,000 | 24,900 | 17 | .012 |
| APRIL | 104,000 | 1,100 | 1 | .001 |
| MAY | 133,000 | 128,700 | 89 | .071 |
| JUNE | 361,000 | 3,408,400 | 2,347 | .694 |
| JULY | 144,000 | 58,900 | 41 | .030 |
| AUGUST | 162,000 | 788,400 | 543 | .357 |
| SEPTEMBER | 217,000 | 2,510,000 | 1,729 | .850 |
| SUMMARY | 2,528,000 | 10,140,400 | 6,984 | .295 |

WATER YEAR 1939

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 504,000 | 1,314,146 | 905 | .192 |
| NOVEMBER | 190,000 | 6,915 | 5 | .003 |
| DECEMBER | 178,000 | 24,710 | 17 | .010 |
| JANUARY | 170,000 | 3,430 | 2 | .001 |
| FEBRUARY | 147,000 | 2,695 | 2 | .001 |
| MARCH | 132,000 | 1,912 | 1 | .001 |
| APRIL | 125,500 | 187,822 | 129 | .110 |
| MAY | 454,000 | 2,497,521 | 1,720 | .404 |
| JUNE | 193,000 | 592,371 | 408 | .225 |
| JULY | 136,000 | 28,091 | 19 | .015 |
| AUGUST | 402,000 | 3,511,439 | 2,418 | .641 |
| SEPTEMBER | 199,000 | 546,575 | 376 | .202 |
| SUMMARY | 2,830,500 | 8,717,627 | 6,002 | .227 |

WATER YEAR 1938

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 344,000 | 2,998,900 | 2,065 | .641 |
| NOVEMBER | 138,000 | 84,900 | 58 | .045 |
| DECEMBER | 164,000 | 102,300 | 70 | .046 |
| JANUARY | 209,000 | 244,920 | 169 | .086 |
| FEBRUARY | 148,000 | 39,357 | 27 | .019 |
| MARCH | 160,000 | 267,907 | 184 | .123 |
| APRIL | 147,000 | 290,605 | 200 | .145 |
| MAY | 167,000 | 580,546 | 400 | .255 |
| JUNE | 92,600 | 112,051 | 77 | .089 |
| JULY | 1,217,000 | 13,169,700 | 9,070 | .795 |
| AUGUST | 743,000 | 4,720,760 | 3,251 | .467 |
| SEPTEMBER | 1,083,000 | 8,045,010 | 5,541 | .546 |
| SUMMARY | 4,612,600 | 30,656,956 | 21,112 | .489 |

WATER YEAR 1940

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 289,000 | 1,303,286 | 898 | .331 |
| NOVEMBER | 153,000 | 64,362 | 44 | .031 |
| DECEMBER | 139,000 | 19,832 | 14 | .010 |
| JANUARY | 133,800 | 4,698 | 3 | .003 |
| FEBRUARY | 125,100 | 21,333 | 15 | .013 |
| MARCH | 325,600 | 2,650,398 | 1,823 | .598 |
| APRIL | 145,900 | 343,010 | 236 | .173 |
| MAY | 317,900 | 1,682,415 | 1,159 | .389 |
| JUNE | 426,400 | 2,452,974 | 1,689 | .423 |
| JULY | 260,000 | 947,536 | 653 | .256 |
| AUGUST | 347,600 | 2,655,829 | 1,029 | .561 |
| SEPTEMBER | 326,900 | 2,021,339 | 1,392 | .454 |
| SUMMARY | 2,990,200 | 14,167,012 | 9,757 | .349 |

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1941

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 379,400 | 4,780,447 | 3,292 | .926 |
| NOVEMBER | 138,600 | 81,487 | 56 | .043 |
| DECEMBER | 125,100 | 55,714 | 38 | .033 |
| JANUARY | 147,600 | 191,954 | 132 | .096 |
| FEBRUARY | 141,100 | 98,796 | 68 | .051 |
| MARCH | 123,900 | 13,545 | 9 | .008 |
| APRIL | 141,500 | 276,255 | 190 | .143 |
| MAY | 706,300 | 7,597,393 | 5,232 | .791 |
| JUNE | 609,000 | 4,263,824 | 2,936 | .515 |
| JULY | 410,700 | 2,943,215 | 2,027 | .527 |
| AUGUST | 450,200 | 4,325,986 | 2,979 | .707 |
| SEPTEMBER | 878,700 | 7,304,098 | 5,030 | .611 |
| SUMMARY | 4,252,100 | 31,932,714 | 21,989 | .533 |

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 728,800 | 2,603,607 | 1,793 | .253 |
| NOVEMBER | 338,700 | 310,215 | 214 | .067 |
| DECEMBER | 244,000 | 68,638 | 47 | .021 |
| JANUARY | 226,200 | 177,151 | 122 | .054 |
| FEBRUARY | 168,000 | 14,123 | 9 | .005 |
| MARCH | 165,400 | 32,074 | 22 | .014 |
| APRIL | 135,500 | 75,478 | 52 | .041 |
| MAY | 239,100 | 1,123,537 | 774 | .346 |
| JUNE | 324,900 | 1,547,968 | 1,065 | .350 |
| JULY | 371,200 | 2,039,133 | 1,404 | .404 |
| AUGUST | 142,900 | 462,344 | 318 | .233 |
| SEPTEMBER | 244,500 | 917,624 | 532 | .275 |
| SUMMARY | 3,329,200 | 9,371,592 | 6,453 | .207 |

WATER YEAR 1942

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 1,639,300 | 9,158,215 | 6,307 | .411 |
| NOVEMBER | 592,900 | 957,882 | 660 | .119 |
| DECEMBER | 314,200 | 124,438 | 66 | .029 |
| JANUARY | 262,800 | 48,102 | 33 | .013 |
| FEBRUARY | 203,000 | 12,978 | 9 | .005 |
| MARCH | 197,900 | 45,978 | 32 | .017 |
| APRIL | 175,500 | 84,965 | 58 | .036 |
| MAY | 487,900 | 1,903,175 | 1,311 | .287 |
| JUNE | 389,500 | 761,715 | 525 | .144 |
| JULY | 668,500 | 3,717,091 | 2,560 | .409 |
| AUGUST | 490,900 | 4,340,931 | 3,017 | .656 |
| SEPTEMBER | 1,690,000 | 10,490,225 | 7,225 | .457 |
| SUMMARY | 7,112,500 | 31,685,696 | 21,823 | .323 |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|-----------|-------------------------|
| OCTOBER | 337,100 | 1,357,509 | 935 | .296 |
| NOVEMBER | 171,300 | 347,940 | 653 | .427 |
| DECEMBER | 179,700 | 173,485 | 120 | .071 |
| JANUARY | 165,600 | 42,772 | 30 | .019 |
| FEBRUARY | 136,400 | 16,835 | 10 | .008 |
| MARCH | 140,500 | 137,578 | 95 | .072 |
| APRIL | 91,400 | 13,667 | 9 | .011 |
| MAY | 299,000 | 2,199,235 | 1,515 | .541 |
| JUNE | 184,200 | 320,529 | 221 | .128 |
| JULY | 94,100 | 56,295 | 39 | .044 |
| AUGUST | 873,800 | 5,405,341 | 3,723 | .435 |
| SEPTEMBER | 993,500 | 7,389,166 | 5,089 | .547 |
| SUMMARY | 3,666,600 | 18,058,452 | 12,639 | .362 |

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RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1945

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 399,200 | 700,234 | 482 | .129 |
| NOVEMBER | 186,500 | 15,217 | 10 | .006 |
| DECEMBER | 164,900 | 17,934 | 12 | .008 |
| JANUARY | 169,800 | 36,023 | 25 | .016 |
| FEBRUARY | 144,000 | 28,978 | 20 | .015 |
| MARCH | 139,800 | 136,328 | 94 | .072 |
| APRIL | 259,200 | 1,050,268 | 723 | .298 |
| MAY | 91,320 | 22,350 | 15 | .018 |
| JUNE | 53,990 | 15,343 | 11 | .021 |
| JULY | 447,000 | 3,865,939 | 2,662 | .636 |
| AUGUST | 109,400 | 50,431 | 35 | .034 |
| SEPTEMBER | 69,900 | 19,392 | 13 | .020 |
| SUMMARY | 2,235,010 | 5,958,437 | 4,102 | .196 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 618,700 | 3,232,656 | 3,604 | .622 |
| NOVEMBER | 173,200 | 66,661 | 46 | .026 |
| DECEMBER | 151,600 | 11,132 | 8 | .005 |
| JANUARY | 175,100 | 22,142 | 15 | .009 |
| FEBRUARY | 149,900 | 14,471 | 10 | .007 |
| MARCH | 129,000 | 8,945 | 6 | .005 |
| APRIL | 83,710 | 12,520 | 9 | .011 |
| MAY | 257,300 | 815,153 | 561 | .233 |
| JUNE | 377,900 | 2,646,230 | 1,622 | .515 |
| JULY | 101,900 | 16,072 | 11 | .012 |
| AUGUST | 487,700 | 3,110,061 | 2,142 | .469 |
| SEPTEMBER | 410,000 | 3,874,465 | 2,668 | .695 |
| SUMMARY | 3,116,010 | 15,830,508 | 10,902 | .374 |

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 827,900 | 6,945,304 | 4,783 | .617 |
| NOVEMBER | 172,200 | 59,935 | 41 | .026 |
| DECEMBER | 137,700 | 17,222 | 12 | .009 |
| JANUARY | 144,500 | 20,823 | 14 | .011 |
| FEBRUARY | 118,600 | 17,095 | 12 | .011 |
| MARCH | 105,700 | 9,629 | 7 | .007 |
| APRIL | 180,700 | 525,841 | 362 | .214 |
| MAY | 535,400 | 2,962,700 | 2,040 | .407 |
| JUNE | 435,300 | 1,876,329 | 1,292 | .317 |
| JULY | 213,300 | 321,904 | 222 | .111 |
| AUGUST | 171,800 | 663,302 | 457 | .284 |
| SEPTEMBER | 407,100 | 2,800,695 | 1,929 | .506 |
| SUMMARY | 3,450,200 | 16,220,779 | 11,171 | .346 |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 137,700 | 129,564 | 39 | .069 |
| NOVEMBER | 129,200 | 137,025 | 94 | .073 |
| DECEMBER | 131,400 | 19,474 | 13 | .011 |
| JANUARY | 103,600 | 4,310 | 3 | .003 |
| FEBRUARY | 107,000 | 11,500 | 8 | .003 |
| MARCH | 117,100 | 139,000 | 96 | .087 |
| APRIL | 64,250 | 13,600 | 9 | .015 |
| MAY | 108,900 | 352,000 | 242 | .238 |
| JUNE | 686,800 | 4,714,000 | 3,250 | .505 |
| JULY | 608,000 | 3,561,000 | 2,450 | .431 |
| AUGUST | 140,500 | 95,600 | 66 | .050 |
| SEPTEMBER | 823,900 | 3,460,000 | 2,380 | .309 |
| SUMMARY | 3,158,350 | 12,637,073 | 3,700 | .294 |

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 271,800 | 635,000 | 437 | .172 |
| NOVEMBER | 134,000 | 49,200 | 34 | .023 |
| DECEMBER | 128,200 | 26,800 | 18 | .015 |
| JANUARY | 120,000 | 9,120 | 6 | .006 |
| FEBRUARY | 402,000 | 1,470,000 | 1,010 | .269 |
| MARCH | 251,000 | 172,000 | 118 | .050 |
| APRIL | 855,700 | 4,036,000 | 2,780 | .347 |
| MAY | 388,400 | 760,000 | 523 | .144 |
| JUNE | 353,000 | 1,315,000 | 906 | .274 |
| JULY | 240,700 | 1,119,000 | 771 | .342 |
| AUGUST | 566,600 | 5,236,000 | 3,610 | .680 |
| SEPTEMBER | 387,400 | 2,332,000 | 1,610 | .443 |
| SUMMARY | 4,118,800 | 17,160,120 | 11,823 | .307 |

WATER YEAR 1951

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 222,700 | 1,719,000 | 1,180 | .568 |
| NOVEMBER | 105,100 | 27,500 | 19 | .019 |
| DECEMBER | 101,900 | 21,400 | 15 | .015 |
| JANUARY | 93,660 | 21,100 | 14 | .017 |
| FEBRUARY | 82,570 | 14,200 | 10 | .013 |
| MARCH | 105,700 | 60,900 | 42 | .042 |
| APRIL | 74,610 | 166,000 | 114 | .164 |
| MAY | 321,700 | 1,811,000 | 1,250 | .414 |
| JUNE | 295,500 | 1,735,000 | 1,190 | .432 |
| JULY | 54,020 | 6,820 | 5 | .009 |
| AUGUST | 75,640 | 13,500 | 9 | .013 |
| SEPTEMBER | 457,000 | 2,600,000 | 1,790 | .419 |
| SUMMARY | 1,990,100 | 8,196,420 | 5,638 | .303 |

WATER YEAR 1950

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 347,600 | 997,000 | 687 | .211 |
| NOVEMBER | 211,200 | 296,000 | 204 | .103 |
| DECEMBER | 188,600 | 83,300 | 57 | .032 |
| JANUARY | 169,600 | 21,000 | 14 | .009 |
| FEBRUARY | 136,900 | 29,300 | 20 | .016 |
| MARCH | 128,400 | 16,400 | 11 | .009 |
| APRIL | 108,100 | 166,000 | 114 | .113 |
| MAY | 279,800 | 1,478,000 | 1,020 | .389 |
| JUNE | 256,400 | 691,000 | 476 | .198 |
| JULY | 243,000 | 1,876,000 | 1,290 | .568 |
| AUGUST | 195,700 | 1,245,000 | 857 | .468 |
| SEPTEMBER | 279,400 | 1,971,000 | 1,360 | .519 |
| SUMMARY | 2,544,700 | 8,870,000 | 6,110 | .256 |

WATER YEAR 1952

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|--------------------------------|---------------------|-------------------------|
| OCTOBER | 144,000 | 411,000 | 283 | .210 |
| NOVEMBER | 78,860 | 24,200 | 17 | .023 |
| DECEMBER | 66,120 | 4,940 | 3 | .005 |
| JANUARY | 63,170 | 2,250 | 2 | .003 |
| FEBRUARY | 48,690 | 4,760 | 3 | .007 |
| MARCH | 43,160 | 4,200 | 3 | .007 |
| APRIL | 41,870 | 5,030 | 4 | .009 |
| MAY | 180,500 | 1,367,000 | 941 | .557 |
| JUNE | 116,800 | 249,000 | 171 | .157 |
| JULY | 333,200 | 4,940,000 | 3,400 | 1.091 |
| AUGUST | 53,280 | 92,800 | 64 | .128 |
| SEPTEMBER | 40,800 | 36,800 | 25 | .066 |
| SUMMARY | 1,210,450 | 7,141,980 | 4,916 | .434 |

RIO GRANDE WATERSHED

ROMA STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1953

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 24,040 | 759 | 1 | .002 |
| NOVEMBER | 35,340 | 1,920 | 1 | .004 |
| DECEMBER | 43,200 | 3,990 | 3 | .007 |
| JANUARY | 50,170 | 2,570 | 2 | .004 |
| FEBRUARY | 33,730 | 2,890 | 2 | .006 |
| MARCH | 69,760 | 67,200 | 46 | .071 |
| APRIL | 53,780 | 19,800 | 14 | .027 |
| MAY | 48,340 | 7,870 | 5 | .012 |
| JUNE | 109 | 22 | | .015 |
| JULY | 12,500 | 39,800 | 27 | .234 |
| AUGUST | 292,800 | 764,000 | 526 | .192 |
| SEPTEMBER | 261,400 | 586,000 | 404 | .165 |
| SUMMARY | 925,169 | 1,496,821 | 1,031 | .119 |

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 46,570 | 1,290 | 1 | .002 |
| NOVEMBER | 68,590 | 72,100 | 50 | .077 |
| DECEMBER | 106,200 | 1,090 | 1 | .001 |
| JANUARY ^{1/} | 354,400 | 13,200 | 9 | .003 |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

WATER YEAR 1954

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 189,000 | 466,000 | 321 | .181 |
| NOVEMBER | 76,520 | 9,010 | 6 | .009 |
| DECEMBER | 77,350 | 5,870 | 4 | .006 |
| JANUARY | 196,400 | 22,200 | 15 | .008 |
| FEBRUARY | 295,500 | 43,000 | 30 | .011 |
| MARCH | 271,100 | 7,670 | 5 | .002 |
| APRIL | 141,600 | | | |
| MAY | 303,500 | 355,000 | 244 | .086 |
| JUNE | 346,900 | 54,100 | 37 | .011 |
| JULY | 98,370 | 134,000 | 92 | .106 |
| AUGUST | 144,400 | 196 | | |
| SEPTEMBER | 104,200 | 13,000 | 9 | .009 |
| SUMMARY | 2,244,840 | | | |

^{1/} Sampling was discontinued January 31, 1955

RIO GRANDE WATERSHED

FORT RINGGOLD, RIO GRANDE CITY STATION ON THE RIO GRANDE

Net Drainage Area: 180,396 sq. mi., of which 87,982 sq. mi. are in the United States and 92,414 sq. mi. are in Mexico

Location: Cable car 1 river mile below Rio Grande City

Records Available: May 1, 1959 to date

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 3,047,000 | | | |
| NOVEMBER | 1,442,000 | | | |
| DECEMBER | 540,000 | | | |
| JANUARY | 254,000 | | | |
| FEBRUARY | 364,000 | | | |
| MARCH | 378,000 | | | |
| APRIL | 193,000 | | | |
| MAY | 319,000 | 5,760 | 4 | .001 |
| JUNE | 251,000 | 6,780 | 5 | .002 |
| JULY | 233,000 | 4,330 | 3 | .001 |
| AUGUST | 131,000 | 53,600 | 37 | .030 |
| SEPTEMBER | 276,000 | 29,300 | 20 | .008 |
| SUMMARY | 7,428,000 | | | |

RIO GRANDE WATERSHED

LOS EBANOS STATION ON THE RIO GRANDE

Net Drainage Area: Not available

Location: Ferry at Los Ebanos, Texas

Records Available: May 1, 1956 to date

Comments: Discharge based on flow at Fort Ringgold plus estimated storm runoff

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY | | | | |
| FEBRUARY | | | | |
| MARCH | | | | |
| APRIL | | | | |
| MAY 1/ | 237,100 | 319,000 | 220 | .099 |
| JUNE | 287,000 | 39,500 | 27 | .010 |
| JULY | 22,280 | 1,070 | 1 | .004 |
| AUGUST | 25,140 | 2,960 | 2 | .009 |
| SEPTEMBER | 89,360 | 59,800 | 41 | .049 |
| SUMMARY | | | | |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 192,800 | 23,300 | 16 | .009 |
| NOVEMBER | 86,950 | 2,770 | 2 | .002 |
| DECEMBER | 133,900 | 10,100 | 7 | .006 |
| JANUARY | 70,050 | 156,000 | 107 | .164 |
| FEBRUARY | 25,530 | 18,100 | 12 | .052 |
| MARCH | 22,070 | 941 | 1 | .003 |
| APRIL | 208,400 | 36,100 | 25 | .013 |
| MAY | 315,800 | 359,000 | 247 | .084 |
| JUNE | 427,800 | 247,000 | 170 | .043 |
| JULY | 101,400 | 116,000 | 80 | .084 |
| AUGUST | 145,300 | 60,300 | 42 | .031 |
| SEPTEMBER | 276,200 | 531,000 | 366 | .141 |
| SUMMARY | 2,006,200 | 1,560,611 | 1,075 | .057 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 31,910 | 28,200 | 19 | .065 |
| NOVEMBER | 30,050 | 1,050 | 1 | .003 |
| DECEMBER | 184,200 | 18,200 | 12 | .007 |
| JANUARY | 160,200 | 15,800 | 11 | .007 |
| FEBRUARY | 54,410 | 20,400 | 14 | .028 |
| MARCH | 17,420 | 28,200 | 19 | .119 |
| APRIL | 77,980 | 922,000 | 635 | .870 |
| MAY | 255,000 | 419,000 | 289 | .121 |
| JUNE | 195,900 | 182,000 | 125 | .068 |
| JULY | 109,000 | 6,640 | 5 | .004 |
| AUGUST | 197,800 | 57,900 | 40 | .022 |
| SEPTEMBER | 165,200 | 51,400 | 35 | .023 |
| SUMMARY | 1,479,070 | 1,750,790 | 1,205 | .087 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 3,051,000 | 456,000 | 314 | .011 |
| NOVEMBER | 1,442,000 | 109,000 | 75 | .006 |
| DECEMBER | 540,000 | 23,700 | 16 | .003 |
| JANUARY | 254,000 | 13,100 | 9 | .004 |
| FEBRUARY | 364,000 | 11,200 | 8 | .002 |
| MARCH | 378,000 | 28,500 | 20 | .006 |
| APRIL | 193,000 | 4,420 | 3 | .002 |
| MAY | 319,000 | 10,600 | 7 | .002 |
| JUNE | 251,000 | 4,650 | 3 | .001 |
| JULY | 233,000 | 6,910 | 5 | .002 |
| AUGUST | 131,000 | 13,100 | 9 | .007 |
| SEPTEMBER | 276,000 | 20,500 | 14 | .005 |
| SUMMARY | 7,432,000 | 701,680 | 483 | .007 |

1/ Sampling began May 1, 1956

RIO GRANDE WATERSHED

HIDALGO STATION ON THE RIO GRANDE

Net Drainage Area: 182,159 sq. mi., of which 88,940 sq. mi. are in the United States and 93,219 sq. mi. are in Mexico

Location: International Highway Bridge between Hidalgo, Texas and Reynosa, Mexico

Records Available: May 1, 1956 to date

Comments: Discharge based on flow recorded at the station named Below Anzalduas Dam Site plus return flow at Poniente Drain

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 51,770 | | | |
| NOVEMBER | 75,590 | | | |
| DECEMBER | 67,000 | | | |
| JANUARY | 166,200 | | | |
| FEBRUARY | 79,580 | | | |
| MARCH | 80,160 | | | |
| APRIL | 49,570 | | | |
| MAY ^{1/} | 149,900 | 91,900 | 63 | .045 |
| JUNE | 78,170 | 32,700 | 22 | .031 |
| JULY | 20,550 | 1,340 | 1 | .005 |
| AUGUST | 16,450 | 1,060 | 1 | .005 |
| SEPTEMBER | 65,180 | 30,700 | 21 | .035 |
| SUMMARY | 900,120 | | | |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 72,700 | 16,900 | 12 | .017 |
| NOVEMBER | 35,870 | 9,770 | 7 | .020 |
| DECEMBER | 56,450 | 4,920 | 3 | .006 |
| JANUARY | 16,000 | 71,200 | 49 | .327 |
| FEBRUARY | 14,430 | 2,000 | 1 | .010 |
| MARCH | 16,140 | 683 | | .003 |
| APRIL | 90,300 | 26,300 | 18 | .214 |
| MAY | 113,200 | 82,000 | 56 | .053 |
| JUNE | 186,300 | 97,900 | 67 | .039 |
| JULY | 50,520 | 60,500 | 42 | .038 |
| AUGUST | 83,010 | 33,500 | 23 | .030 |
| SEPTEMBER | 153,600 | 109,000 | 75 | .052 |
| SUMMARY | 888,520 | 514,673 | 353 | .043 |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 25,330 | 2,250 | 2 | .007 |
| NOVEMBER | 24,340 | 1,600 | 1 | .005 |
| DECEMBER | 13,150 | 893 | 1 | .005 |
| JANUARY | 24,170 | 2,120 | 2 | .006 |
| FEBRUARY | 20,090 | 3,670 | 2 | .013 |
| MARCH | 5,260 | 369 | | .005 |
| APRIL | 48,400 | 249,000 | 171 | .376 |
| MAY | 110,200 | 116,000 | 80 | .078 |
| JUNE | 75,040 | 21,400 | 15 | .021 |
| JULY | 71,750 | 9,750 | 7 | .010 |
| AUGUST | 72,970 | 7,100 | 5 | .007 |
| SEPTEMBER | 55,120 | 9,440 | 6 | .015 |
| SUMMARY | 545,820 | 423,592 | 292 | .057 |

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 1,754,000 | 982,000 | 676 | .041 |
| NOVEMBER | 1,175,000 | 398,000 | 274 | .025 |
| DECEMBER | 559,000 | 196,000 | 135 | .026 |
| JANUARY | 252,000 | 12,100 | 8 | .004 |
| FEBRUARY | 374,000 | 17,300 | 12 | .003 |
| MARCH | 382,000 | 10,000 | 7 | .002 |
| APRIL | 161,000 | 5,500 | 4 | .003 |
| MAY | 130,000 | 1,990 | 1 | .001 |
| JUNE | 140,000 | 41,600 | 29 | .022 |
| JULY | 156,000 | 57,500 | 40 | .003 |
| AUGUST | 80,300 | 1,570 | 1 | .001 |
| SEPTEMBER | 119,000 | 13,100 | 9 | .008 |
| SUMMARY | 5,282,300 | 1,736,660 | 1,196 | .024 |

^{1/} Sampling began May 1, 1956

RIO GRANDE WATERSHED

BUENOS AIRES STATION ON THE RIO GRANDE

Approximate Net Drainage Area: 182,169 sq. mi., of which 88,945 sq. mi. are in the United States and 93,224 sq. mi. are in Mexico

Location: Cable car located 1.9 miles above Retamal Canal intake

Records Available: January 1, 1943 to August 31, 1944

WATER YEAR 1943

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER | | | | |
| DECEMBER | | | | |
| JANUARY ^{1/} | 286,800 | 38,993 | 27 | .011 |
| FEBRUARY | 166,000 | 11,287 | 8 | .006 |
| MARCH | 136,600 | 1,857 | 1 | .002 |
| APRIL | 122,000 | 3,317 | 2 | .002 |
| MAY | 177,900 | 594,944 | 410 | .359 |
| JUNE | 303,500 | 1,279,420 | 881 | .568 |
| JULY | 269,400 | 1,974,626 | 1,360 | 1.003 |
| AUGUST | 115,900 | 304,099 | 209 | .238 |
| SEPTEMBER | 210,400 | 718,229 | 495 | .272 |
| SUMMARY | | | | |

WATER YEAR 1944

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 351,000 | 1,202,544 | 828 | .394 |
| NOVEMBER | 169,300 | 188,708 | 130 | .116 |
| DECEMBER | 183,100 | 164,329 | 113 | .112 |
| JANUARY | 169,200 | 27,613 | 19 | .012 |
| FEBRUARY | 108,100 | 7,346 | 5 | .005 |
| MARCH | 104,400 | 137,644 | 95 | .097 |
| APRIL | 45,850 | 4,3642 | 30 | .070 |
| MAY | 258,400 | 2,199,144 | 1,515 | .626 |
| JUNE | 251,200 | 645,516 | 442 | .189 |
| JULY | 136,900 | 1,750,314 | 120 | .394 |
| AUGUST | 749,300 | 6,122,748 | 4,217 | .601 |
| SEPTEMBER ^{2/} | | | | |
| SUMMARY | | | | |

^{1/} Sampling began January 1, 1943
^{2/} On September 1, 1944 the station was destroyed by flood

RIO GRANDE WATERSHED

LAS PALMAS STATION ON THE RIO GRANDE

Approximate Net Drainage Area: 182,169 sq. mi. of which 88,945 sq. mi. are in the United States and 93,224 sq. mi. are in Mexico

Location: Cable car located 1,640 feet below the Retamal Canal intake

Records Available: January 1, 1946 to April 30, 1949

Comments: Station was discontinued after high flow during the latter part of April 1949 washed out the gage well and "A" frame

WATER YEAR 1946

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|------------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | | | | |
| NOVEMBER ^{1/} | 173,000 | | | |
| DECEMBER | 151,000 | | | |
| JANUARY ^{2/} | 172,100 | 216,414 | 149 | .092 |
| FEBRUARY | 123,000 | 66,707 | 46 | .040 |
| MARCH | 63,240 | 9,630 | 7 | .011 |
| APRIL | 116,300 | 350,841 | 242 | .222 |
| MAY | 389,400 | 2,912,301 | 2,006 | .550 |
| JUNE | 431,100 | 3,310,705 | 2,280 | .555 |
| JULY | 146,900 | 206,376 | 142 | .103 |
| AUGUST | 80,040 | 269,572 | 186 | .246 |
| SEPTEMBER | 323,600 | 3,070,550 | 2,115 | .698 |
| SUMMARY | | | | |

WATER YEAR 1948

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 85,060 | 78,762 | 54 | .068 |
| NOVEMBER | 92,170 | 116,050 | 80 | .093 |
| DECEMBER | 113,600 | 49,051 | 34 | .034 |
| JANUARY | 33,530 | 18,200 | 12 | .016 |
| FEBRUARY | 103,100 | 27,600 | 19 | .020 |
| MARCH | 101,300 | 20,600 | 14 | .015 |
| APRIL | 45,050 | 11,800 | 8 | .016 |
| MAY | 85,670 | 285,000 | 196 | .245 |
| JUNE | 239,500 | 2,031,000 | 1,400 | .624 |
| JULY | 565,300 | 5,217,000 | 3,590 | .679 |
| AUGUST | 78,570 | 123,000 | 85 | .115 |
| SEPTEMBER | 725,400 | 7,690,000 | 5,300 | .780 |
| SUMMARY | 2,315,570 | 15,667,463 | 10,792 | .498 |

WATER YEAR 1947

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 525,400 | 7,696,210 | 5,300 | 1.077 |
| NOVEMBER | 112,000 | 66,987 | 10 | .044 |
| DECEMBER | 103,000 | 16,393 | 11 | .012 |
| JANUARY | 132,500 | 25,222 | 17 | .014 |
| FEBRUARY | 92,090 | 17,530 | 12 | .014 |
| MARCH | 77,640 | 6,967 | 5 | .007 |
| APRIL | 57,750 | 8,559 | 6 | .011 |
| MAY | 207,400 | 2,369,684 | 943 | .486 |
| JUNE | 265,300 | 4,184,445 | 2,882 | 1.160 |
| JULY | 61,390 | 148,163 | 102 | .178 |
| AUGUST | 466,800 | 3,704,791 | 2,552 | .584 |
| SEPTEMBER | 322,700 | 1,753,784 | 1,203 | .400 |
| SUMMARY | 2,423,970 | 18,998,735 | 13,084 | .577 |

WATER YEAR 1949

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-------------------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 363,500 | 477,000 | 329 | .097 |
| NOVEMBER | 182,300 | 179,000 | 123 | .072 |
| DECEMBER | 89,560 | 8,640 | 6 | .007 |
| JANUARY | 91,260 | 19,100 | 13 | .015 |
| FEBRUARY | 216,600 | 1,905,000 | 1,310 | .647 |
| MARCH | 267,100 | 1,390,000 | 957 | .383 |
| APRIL | 607,000 | 10,794,000 | 7,430 | 1.306 |
| MAY ^{3/} | | | | |
| JUNE | | | | |
| JULY | | | | |
| AUGUST | | | | |
| SEPTEMBER | | | | |
| SUMMARY | | | | |

^{1/} Discharge record began November 1, 1945

^{2/} Silt analysis began January 1, 1946

^{3/} Station was discontinued May 1, 1949

RIO GRANDE WATERSHED

SAN BENITO STATION ON THE RIO GRANDE

Net Drainage Area: 182,187 sq. mi., of which 88,954 sq. mi. are in the United States and 93,233 sq. mi. are in Mexico

Location: 5.6 miles below San Benito pumping plant

Records Available: April 1, 1955 to date

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 28,000 | | | |
| NOVEMBER | 5,740 | | | |
| DECEMBER | 18,100 | | | |
| JANUARY | 25,100 | | | |
| FEBRUARY | 15,700 | | | |
| MARCH | 14,600 | | | |
| APRIL 1/ | 34,800 | 9,750 | 7 | .021 |
| MAY | 36,900 | 10,300 | 7 | .021 |
| JUNE | 41,400 | 3,100 | 2 | .005 |
| JULY | 21,700 | 1,590 | 1 | .005 |
| AUGUST | 12,000 | 1,720 | 1 | .010 |
| SEPTEMBER | 11,500 | 35,500 | 24 | .227 |
| SUMMARY | 265,540 | | | |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 3,840 | 499 | | .010 |
| NOVEMBER | 5,840 | 514 | | .007 |
| DECEMBER | 2,430 | 88 | | .003 |
| JANUARY | 5,460 | 482 | | .008 |
| FEBRUARY | 6,060 | 299 | | .004 |
| MARCH | 2,560 | 153 | | .004 |
| APRIL | 12,600 | 12,000 | 8 | .070 |
| MAY | 57,100 | 385,000 | 265 | .496 |
| JUNE | 19,200 | 6,640 | 3 | .026 |
| JULY | 4,690 | 157 | | .002 |
| AUGUST | 9,750 | 1,260 | 1 | .015 |
| SEPTEMBER | 7,710 | 2,790 | 2 | .027 |
| SUMMARY | 137,040 | 409,881 | 281 | .220 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 5,620 | 575 | | .008 |
| NOVEMBER | 12,400 | 517 | | .003 |
| DECEMBER | 15,300 | 548 | | .003 |
| JANUARY | 37,000 | 10,800 | 7 | .022 |
| FEBRUARY | 16,900 | 4,240 | 3 | .018 |
| MARCH | 12,600 | 1,270 | 1 | .007 |
| APRIL | 11,500 | 161 | | .001 |
| MAY | 20,200 | 7,880 | 5 | .029 |
| JUNE | 16,100 | 4,170 | 3 | .019 |
| JULY | 7,790 | 829 | 1 | .008 |
| AUGUST | 3,100 | 98 | | .002 |
| SEPTEMBER | 8,420 | 3,320 | 2 | .029 |
| SUMMARY | 166,930 | 34,408 | 22 | .015 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 14,200 | 2,210 | 2 | .014 |
| NOVEMBER | 6,860 | 781 | 1 | .006 |
| DECEMBER | 10,900 | 5,310 | 4 | .036 |
| JANUARY | 2,920 | 437 | | .011 |
| FEBRUARY | 3,380 | 216 | | .005 |
| MARCH | 5,510 | 3,610 | 2 | .048 |
| APRIL | 14,400 | 11,200 | 8 | .057 |
| MAY | 27,600 | 17,900 | 12 | .048 |
| JUNE | 42,300 | 39,500 | 27 | .069 |
| JULY | 13,800 | 11,500 | 8 | .081 |
| AUGUST | 11,700 | 2,490 | 2 | .017 |
| SEPTEMBER | 53,500 | 191,000 | 132 | .241 |
| SUMMARY | 212,070 | 286,954 | 198 | .010 |

1/ Sampling began April 1, 1955

RIO GRANDE WATERSHED

SAR BENITO STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|----------------------|---------------------|-------------------------|
| OCTOBER | 803,000 | 363,000 | 250 | .033 |
| NOVEMBER | 662,000 | 359,000 | 247 | .040 |
| DECEMBER | 479,000 | 236,000 | 163 | .036 |
| JANUARY | 227,000 | 175,000 | 121 | .057 |
| FEBRUARY | 363,000 | 142,000 | 98 | .029 |
| MARCH | 360,000 | 73,500 | 51 | .013 |
| APRIL | 118,000 | 26,000 | 18 | .016 |
| MAY | 45,800 | 17,900 | 12 | .029 |
| JUNE | 56,100 | 24,900 | 17 | .033 |
| JULY | 37,000 | 46,100 | 32 | .092 |
| AUGUST | 33,300 | 9,180 | 6 | .020 |
| SEPTEMBER | 33,000 | 15,900 | 11 | .035 |
| SUMMARY | 3,217,200 | 1,488,480 | 1,026 | .034 |

RIO GRANDE WATERSHED

LOWER BROWNSVILLE STATION ON THE RIO GRANDE

Net Drainage Area: 182,215 sq. mi., of which 88,968 sq. mi. are in the United States and 93,247 sq. mi. are in Mexico
 Location: Cable car located 1,000 feet below the El Jardin pumping plant and 6.8 river miles below Brownsville, Texas
 Records Available: April 1, 1955 to date

WATER YEAR 1955

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 28,400 | | | |
| NOVEMBER | 5,750 | | | |
| DECEMBER | 6,890 | | | |
| JANUARY | 6,470 | | | |
| FEBRUARY | 6,630 | | | |
| MARCH | 3,230 | | | |
| APRIL 1/ | 9,060 | 1,160 | 1 | .009 |
| MAY | 6,220 | 703 | | .008 |
| JUNE | 7,910 | 445 | | .004 |
| JULY | 15,500 | 1,600 | 1 | .008 |
| AUGUST | 6,050 | 4,200 | 3 | .051 |
| SEPTEMBER | 12,300 | 3,360 | 2 | .020 |
| SUMMARY | 114,410 | | | |

WATER YEAR 1957

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 756 | 44 | | .004 |
| NOVEMBER | 1,290 | 171 | | .010 |
| DECEMBER | 572 | 32 | | .004 |
| JANUARY | 283 | 24 | | .005 |
| FEBRUARY | 1,060 | 59 | | .004 |
| MARCH | 2,140 | 121 | | .004 |
| APRIL | 875 | 64 | | .005 |
| MAY | 32,200 | 85,000 | 58 | .194 |
| JUNE | 22,200 | 7,800 | 5 | .026 |
| JULY | 1,120 | 151 | | .010 |
| AUGUST | 218 | 20 | | .007 |
| SEPTEMBER | 1,310 | 142 | | .008 |
| SUMMARY | 64,024 | 93,628 | 63 | .108 |

WATER YEAR 1956

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 1,890 | 216 | | .008 |
| NOVEMBER | 4,500 | 221 | | .004 |
| DECEMBER | 4,240 | 222 | | .004 |
| JANUARY | 4,970 | 420 | | .006 |
| FEBRUARY | 4,950 | 485 | | .007 |
| MARCH | 2,730 | 260 | | .007 |
| APRIL | 5,680 | 272 | | .004 |
| MAY | 4,140 | 553 | | .010 |
| JUNE | 2,430 | 416 | | .013 |
| JULY | 1,310 | 111 | | .006 |
| AUGUST | 818 | 83 | | .007 |
| SEPTEMBER | 950 | 10 | | .001 |
| SUMMARY | 38,608 | 3,269 | | .006 |

WATER YEAR 1958

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 1,830 | 266 | | .011 |
| NOVEMBER | 3,400 | 488 | | .011 |
| DECEMBER | 524 | 91 | | .013 |
| JANUARY | 1,960 | 199 | | .007 |
| FEBRUARY | 3,640 | 85,800 | 59 | 1.737 |
| MARCH | 4,680 | 1,140 | 1 | .018 |
| APRIL | 2,060 | 212 | | .006 |
| MAY | 10,800 | 11,900 | 8 | .081 |
| JUNE | 10,600 | 26,800 | 18 | .186 |
| JULY | 12,900 | 424,000 | 292 | 2.413 |
| AUGUST | 1,840 | 113 | | .005 |
| SEPTEMBER | 35,000 | 67,300 | 46 | .141 |
| SUMMARY | 89,234 | 618,309 | 424 | .510 |

1/ Sampling began April 1, 1955

RIO GRANDE WASHED

LOWER BROWNSVILLE STATION ON THE RIO GRANDE - CONTINUED

WATER YEAR 1959

| MONTH | STREAM DISCHARGE ACRE-FEET | SILT LOAD OF STREAM TONS | STREAM ACRE-FEET | DRY SILT PCT. BY WT. |
|-----------|-------------------------------|-----------------------------|---------------------|-------------------------|
| OCTOBER | 567,000 | 323,000 | 222 | .042 |
| NOVEMBER | 528,000 | 411,000 | 233 | .037 |
| DECEMBER | 480,000 | 206,000 | 142 | .032 |
| JANUARY | 224,000 | 97,900 | 57 | .032 |
| FEBRUARY | 362,000 | 117,000 | 81 | .024 |
| MARCH | 361,000 | 102,000 | 70 | .021 |
| APRIL | 127,000 | 40,200 | 29 | .023 |
| MAY | 33,900 | 9,330 | 5 | .020 |
| JUNE | 49,600 | 34,900 | 58 | .126 |
| JULY | 28,800 | 15,000 | 10 | .038 |
| AUGUST | 32,400 | 11,700 | 8 | .027 |
| SEPTEMBER | 24,700 | 3,120 | 2 | .009 |
| SUMMARY | 2,818,400 | 1,421,150 | 977 | .037 |

PLATE I
 LOCATION MAP
 SHOWING
 SILT SAMPLING STATIONS
 ON
 TEXAS STREAMS
 1889-1959

