# Surface Water Supply of the United States, 1966-70

## Part 8. Western Gulf of Mexico Basins

### Volume 1. Basins From Mermentau River to Colorado River

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GEOLOGICAL SURVEY WATER-SUPPLY PAPER 2122

*Prepared in cooperation with the States of Louisiana, New Mexico, and Texas, and with other agencies*

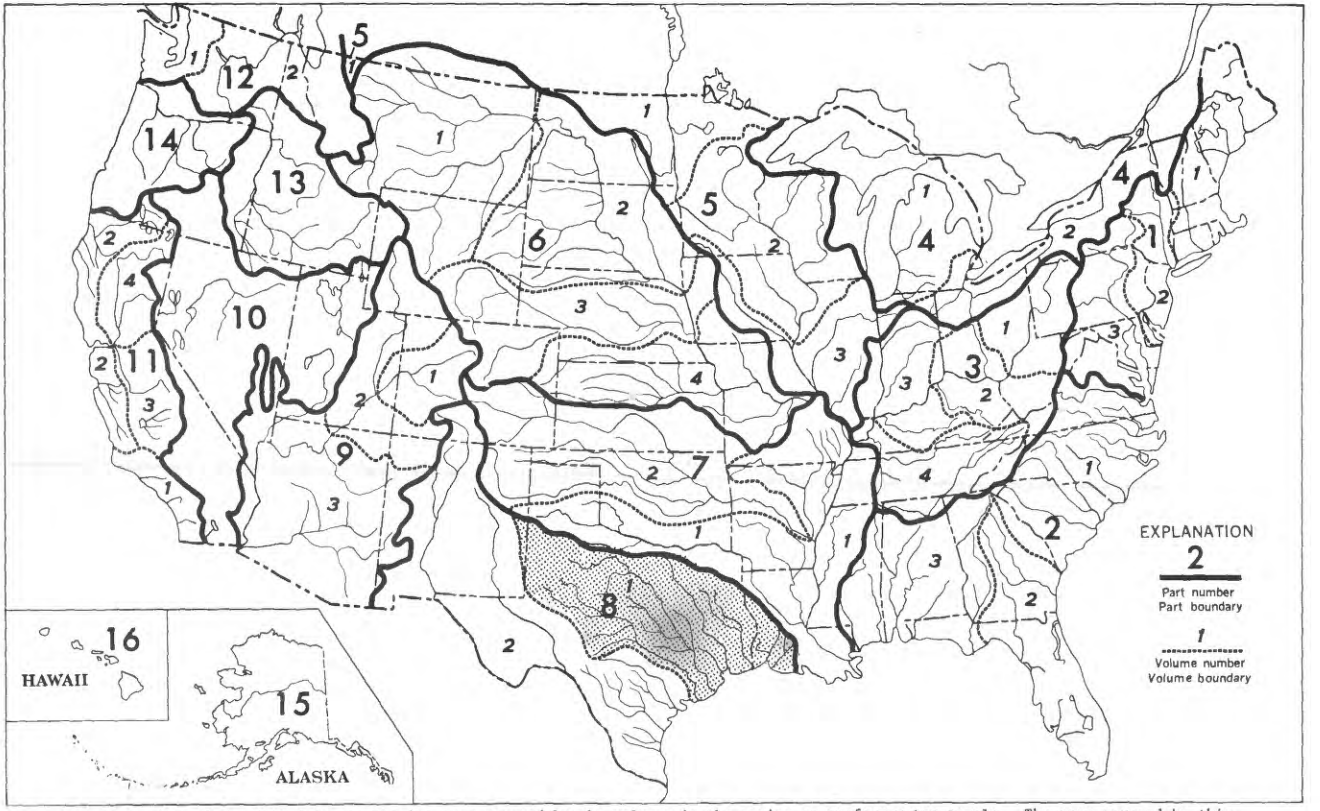


Figure 1.--Map of the United States showing area covered by the volumes in the series on surface-water supply. The area covered by this report is shaded.

Part 8 Western Gulf of Mexico basins, in two volumes:
Vol. 1: Basins from Mermentau River to Colorado River
Vol. 2: Basins from Lavaca River to Rio Grande
Part 9. Colorado River basin in three volumes:
Vol. 1: Colorado River basin above Green River
Vol. 2: Colorado River basin from Green River to Compact Point
Vol. 3: Lower Colorado River basin
Part 10. The Great Basin
Part 11. Pacific slope basin in California, in four volumes:
Vol. 1: Basins from Tijuana River to Santa Maria River
Vol. 2: Basins from Arroyo Grande to Oregon State line except Central Valley
Vol. 3: Southern Central Valley basins
Vol. 4: Northern Central Valley basins
Part 12. Pacific slope basins in Washington, in two volumes:
Vol. 1: Pacific slope basins in Washington except Columbia River basin
Vol. 2: Upper Columbia River basin
Part 13. Snake River basin

Part 14. Pacific slope basins in Oregon and Lower Columbia River basin
Part 15. Alaska
Part 16 Hawaii and other Pacific areas

Water-supply papers and other publications of the Geological Survey containing data on the water resources of the United States may be purchased or consulted as follows:

1. Copies may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402, who will, on application, furnish lists giving prices. A list of Geological Survey publications may also be obtained by applying to the Director, Geological Survey, National Center, Reston, Virginia 22092.

2. Sets of the reports may be consulted in the libraries of the principal cities in the United States.

3. Sets are available for consultation in the offices of the Water Resources Division of the Geological Survey. Addresses of the offices in the area covered by this report are given on page 2.

Early records of the flow of streams in the United States are published in the reports listed below. In many of these reports records for years earlier than those indicated have been included for some streams. Most of these reports are out of print, but may be available for consultation in the district offices and in public libraries.

Streamflow data for the years 1884-1901, in reports of the Geological Survey

(A - Annual Report; B - Bulletin)

| Report | Character of data | Year |
|---|---|---|
| 10th A, pt. 2 | Descriptive information only | |
| 11th A, pt. 2 | Monthly discharge and descriptive information . . . . . | 1884-90. |
| 12th A, pt. 2 | . . . . do . . . . . | 1884-91. |
| 13th A, pt. 3 | . . . . do . . . . . | 1884-92. |
| 14th A, pt. 2 | Monthly discharge. . . . . | 1888-93. |
| B 131 . . . | Descriptions, measurements, gage heights, and ratings . . . . | 1893-94. |
| 16th A, pt. 2 | Descriptive information only. | |
| B 140 . . . | Descriptions, measurements, gage heights, ratings and monthly discharge. | 1895. |

Streamflow data for the years 1884-1901, in reports of the Geological Survey--Continued

(A - Annual Report; B - Bulletin)

| Report | Character of data | Year |
|---|---|---|
| WSP 11 . . | Gage heights . . . . . | 1896. |
| 18th A, pt. 4 | Descriptions, measurements, ratings, and monthly discharge | 1895-96. |
| WSP 15 . . | Descriptions, measurements, and gage heights of streams east of the Mississippi River, and Missouri River and tributaries above Kansas River. | 1897. |
| WSP 16 . . | Descriptions, measurements, and gage heights of streams west of the Mississippi River, except Missouri River and tributaries above Kansas River. | 1897. |
| 19th A, pt. 4 | Descriptions, measurements, ratings and monthly discharge . | 1897. |
| WSP 27 . . | Measurements, ratings, and gage heights of streams east of the Mississippi River, and Missouri River and tributaries. | 1898. |
| WSP 28 . . | Measurements, ratings, and gage heights of streams west of the Mississippi River, except Missouri River and tributaries. | 1898. |
| 20th A, pt. 4 | Monthly discharge . . . . . | 1898. |
| WSP 35 to 39 | Descriptions, measurements, gage heights, and ratings . . . . | 1899. |
| 21st A, pt. 4 | Monthly discharge . . . . . | 1899. |
| WSP 47 to 52 | Descriptions, measurements, gage heights, and ratings . . . . | 1900. |
| 22nd A, pt. 4 | Monthly discharge . . . . . | 1900. |
| WSP 65, 66. | Descriptions, measurements, gage heights, and ratings . . . . | 1901. |
| WSP 75. . . | Monthly discharge . . . . . | 1901. |

Reports on surface water supply containing records from 1899 to date for drainage basins in this report are listed below. The data for any particular gaging station will, in general, be found in the reports covering the years during which the station was maintained.

Numbers of water-supply papers containing results of stream measurements in Western Gulf of Mexico basins, Mermentau River to Colorado River, 1899-1965.

| Year | WSP | Year | WSP | Year | WSP | Year | WSP | Year | WSP |
|---|---|---|---|---|---|---|---|---|---|
| 1899. . . . | 37 | 1912. . | 328 | 1925. . | 608 | 1937. . | 828 | 1949. | .1148 |
| 1900. . . . | 50 | 1913. . | 358 | 1926. . | 628 | 1938. . | 858 | 1950. | .1178 |
| 1901. . . | 66,75 | 1914. . | 388 | 1927. . | 648 | 1939. . | 878 | 1951. | .1212 |
| 1902. . . . | 84 | 1915. . | 408 | 1928. . | 668 | 1940. . | 898 | 1952. | .1242 |
| 1903. . . . | 99 | 1916. . | 438 | 1929. . | 688 | 1941. . | 928 | 1953. | .1282 |
| 1904. . . . | .132 | 1917. . | 458 | 1930. . | 703 | 1942. . | 958 | 1954. | .1342 |
| 1905. . . . | .174 | 1918. . | 478 | 1931. . | 718 | 1943. . | 978 | 1955. | .1392 |
| 1906. . . . | .210 | 1919-20. | 508 | 1932. . | 733 | 1944. | .1008 | 1956. | .1442 |
| 1907-8 . . | .248 | 1921. . | 528 | 1933. . | 748 | 1945. | .1038 | 1957. | .1512 |
| 1909. . . . | .268 | 1922. . | 548 | 1934. . | 763 | 1946. | .1058 | 1958. | .1562 |
| 1910. . . . | .288 | 1923. . | 568 | 1935. . | 788 | 1947. | .1088 | 1959. | .1632 |
| 1911. . . . | .308 | 1924. . | 588 | 1936. . | 808 | 1948. | .1118 | 1960. | .1712 |
| | | | | | | | | 1961-65 | .1922 |

Records for the area covered by this report have been compiled through September 1950 and for the period October 1950 to September 1960 and published in Water-Supply Papers 1312 and 1732, respectively. These reports contain a summary of monthly and annual discharges for all previously published records as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical.

The reports listed in the foregoing tables contain the customary records of discharge collected during the systematic operation of gaging stations. Detailed information on the stage and discharge of many streams during major floods has been included in special reports on these floods published by the Geological Survey. The more recent of these special reports also contain other pertinent hydrologic information and analyses and compilations of data relating to earlier notable floods. The following list gives the numbers and titles of these reports:

| WSP | Title |
|---|---|
| 147. . . . . | Destructive floods in the United States in 1904. |
| 162. . . . . | Destructive floods in the United States in 1905. |
| 488. . . . . | The flood in central Texas in September 1921. |
| 771. . . . . | Floods in the United States, magnitude and frequency. |
| 796-G . . . . | Major Texas floods of 1935. |
| 816. . . . . | Major Texas floods of 1936. |
| 847. . . . . | Maximum discharges at stream-measurement stations through Sept. 1938. |
| 914. . . . . | Texas floods of 1938 and 1939. |
| 1046 . . . . . | Texas floods of 1940. |
| 1137-I . . . . | Summary of floods in the United States during 1950. |
| 1260 . . . . . | Floods of 1952. |
| 1320 . . . . . | Floods of 1953. |
| 1455-B. . . . | Summary of floods in the United States during 1955. |
| 1530 . . . . . | Summary of floods in the United States during 1956. |
| 1652 . . . . . | Floods of 1957. |
| 1660-B. . . . | Summary of floods in the United States during 1958. |
| 1682 . . . . . | Magnitude and frequency of floods in the United States. |
| 1790-B. . . . | Summary of floods in the United States during 1960. |
| 1810 . . . . . | Summary of floods in the United States during 1961. |
| 1820 . . . . . | Summary of floods in the United States during 1962. |
| 1830-B. . . . | Summary of floods in the United States during 1963. |
| 1840-D. . . . | Summary of floods in the United States during 1964. |
| 1850-E. . . . | Summary of floods in the United States during 1965. |
| 1870-B. . . . | Floods of April 28, 1966 in the northern part of Dallas, Texas. |
| 1870-D. . . . | Summary of floods in the United States during 1966. |
| 1880-C. . . . | Summary of floods in the United States during 1967. |
| 1970-B. . . . | Summary of floods in the United States during 1968. |
| 2030 . . . . . | Summary of floods in the United States during 1969. |

Reports giving records of chemical quality and temperature of surface water and suspended-sediment loads of streams in the area covered by this volume for the water years 1941-70 are listed below:

Numbers of water-supply papers containing water-quality records in Western Gulf of Mexico basins, Mermentau River to Colorado River, 1941-70.

| Year | WSP | Year | WSP | Year | WSP | Year | WSP | Year | WSP |
|---|---|---|---|---|---|---|---|---|---|
| 1941. . . . | 942 | 1947. . . | 1102 | 1953. . . | 1292 | 1959. . . | 1644 | 1965. . . | 1964 |
| 1942. . . . | 950 | 1948. . . | 1133 | 1954. . . | 1352 | 1960. . . | 1744 | 1966. . . | 1994 |
| 1943. . . . | 970 | 1949. . . | 1163 | 1955. . . | 1402 | 1961. . . | 1884 | 1967. . . | 2014 |
| 1944. . . | 1022 | 1950. . . | 1188 | 1956. . . | 1452 | 1962. . . | 1944 | 1968. . . | 2097 |
| 1945. . . | 1030 | 1951. . . | 1199 | 1957. . . | 1522 | 1963. . . | 1950 | 1969. . . | 2147 |
| 1946. . . | 1050 | 1952. . . | 1252 | 1958. . . | 1573 | 1964. . . | 1957 | 1970. . . | 2157 |

## OTHER DATA AVAILABLE

Information of a more detailed nature than that published for most of the gaging stations such as discharge measurements, gage-height records, and rating tables

is on file in the district offices. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Water-quality records also are collected at or near some gaging stations. Data are obtained on the chemical quality of the stream water, on water temperature, and on sediment. Under "Remarks" of the station description, reference is made to water-quality records collected on a regular basis for the station. Results of the data collected are published in annual water-supply papers entitled "Quality of Surface Waters of the United States" and in annual reports issued by States beginning with 1964 water year; the state reports are entitled, "Water Resources Data for (state), Part 2. Water Quality Records."

Information on the availability of unpublished data, statistical analyses, or quality of water records, may be obtained from the district offices listed on page 2.

## RECORDS OF DISCHARGE COLLECTED BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

Records of discharge have been collected by other agencies at numerous sites throughout the United States that are not published by the Geological Survey. The Office of Water Data Coordination, Water Resources Division, U.S. Geological Survey, National Center, Reston, Virginia 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

## MERMENTAU RIVER BASIN

### 08010000 BAYOU DES CANNES NEAR EUNICE, LA.

LOCATION.--Lat 30°29'00", long 92°29'25", in SW¼SE¼ sec.32, T.6 S., R.1 W., Louisiana Meridian, Evangeline Parish, on left bank at downstream side of bridge on U.S. Highway 190, 3 miles downstream from New Orleans, Texas and Mexico Railway Co. bridge and 4 miles west of Eunice.

DRAINAGE AREA.--131 sq mi.

PERIOD OF RECORD.--October 1938 to September 1970.

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft above mean sea level (Louisiana Geodetic Survey bench mark; levels by Corps of Engineers). Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Auxiliary water-stage recorder 1.8 miles downstream. Datum of auxiliary gage is 13.70 ft above mean sea level. Oct. 1, 1943, to Nov. 1, 1950, auxiliary nonrecording gage, Nov. 2, 1950, to Oct. 30, 1957, auxiliary water-stage recorder, and Oct. 31, 1957, to Jan. 13, 1958, auxiliary nonrecording gage, at same site and datum.

AVERAGE DISCHARGE.--32 years, 252 cfs (26.12 inches per year, 182,600 acre-ft per year).

EXTREMES.--Maximums and minimums (discharge in cubic feet per second, gage height in feet) for the water years 1966-70 are contained in the following table:

| | Maximum | | | Minimum | | |
|---|---|---|---|---|---|---|
| Wtr yr | Date | Discharge | G.H. | Date | Discharge | G.H. |
| 1966 | Feb. 14, 1966 | 3,780 | 17.38 | Oct. 19, 1965 | 1.3 | a.98 |
| 1967 | Apr. 17, 1967 | 7,460 | 19.79 | Nov. 11, 1966 | 1.1 | .95 |
| 1968 | Jan. 12, 1968 | 2,250 | 15.94 | Nov. 26, 1967 | 3.4 | 1.15 |
| 1969 | Apr. 15, 1969 | 5,150 | 16.90 | Oct. 2, 1968 | 3.0 | b1.24 |
| 1970 | May 5, 1970 | 2,340 | 16.06 | Oct. 4, 1969 | .5 | .90 |

a Occurred Sept. 30, 1966.
b Occurred Sept. 28, 1969.

Period of record: Maximum discharge, 11,900 cfs May 20, 1953 (gage height, 22.36 ft); no flow at times in 1939, 1948, 1955-56, 1963.

REMARKS.--Records good except those for periods of no gage-height record, which are fair. Small diversion above station. Water-quality records for the water years 1966-70 are published in reports of the Geological Survey.

REVISIONS (WATER YEARS).--WSP 1242: 1950(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1965 TO SEPTEMBER 1966

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24 | 8.0 | 9.0 | 21 | 438 | 1,100 | 7.0 | 91 | 32 | 20 | 80 | 33 |
| 2 | 18 | 7.0 | 8.0 | 21 | 263 | 1,040 | 6.0 | 1,460 | 32 | 22 | 74 | 58 |
| 3 | 15 | 6.0 | 9.0 | 41 | 218 | 743 | 5.0 | 1,020 | 27 | 40 | 87 | 63 |
| 4 | 12 | 6.0 | 10 | 85 | 112 | 252 | 9.0 | 517 | 22 | 53 | 112 | 44 |
| 5 | 10 | 16 | 8.0 | 376 | 54 | 79 | 14 | 71 | 16 | 73 | 225 | 35 |
| 6 | 8.0 | 224 | 6.0 | 593 | 40 | 43 | 10 | 112 | 11 | 94 | 266 | 63 |
| 7 | 7.0 | 547 | 9.0 | 662 | 31 | 32 | 12 | 404 | 9.0 | 98 | 223 | 153 |
| 8 | 6.0 | 559 | 11 | 555 | 26 | 23 | 12 | 495 | 6.0 | 98 | 160 | 111 |
| 9 | 6.0 | 578 | 10 | 207 | 23 | 18 | 9.0 | 320 | 7.0 | 108 | 102 | 59 |
| 10 | 5.0 | 468 | 12 | 70 | 504 | 14 | 9.0 | 105 | 9.0 | 86 | 68 | 37 |
| 11 | 5.0 | 172 | 12 | 38 | 811 | 12 | 8.0 | 42 | 7.0 | 65 | 68 | 170 |
| 12 | 4.0 | 65 | 12 | 28 | 1,670 | 12 | 9.0 | 28 | 5.0 | 50 | 163 | 497 |
| 13 | 4.0 | 60 | 20 | 25 | 3,190 | 11 | 8.0 | 34 | 18 | 51 | 195 | 488 |
| 14 | 4.0 | 163 | 78 | 246 | 3,730 | 12 | 17 | 58 | 98 | 54 | 178 | 239 |
| 15 | 4.0 | 115 | 63 | 743 | 3,330 | 10 | 99 | 64 | 117 | 48 | 162 | 99 |
| 16 | 4.0 | 58 | 65 | 844 | 2,550 | 10 | 247 | 47 | 137 | 37 | 111 | 51 |
| 17 | 3.0 | 36 | 169 | 1,080 | 2,180 | 9.0 | 142 | 36 | 222 | 30 | 80 | 52 |
| 18 | 2.0 | 26 | 354 | 1,020 | 1,870 | 9.0 | 359 | 30 | 343 | 37 | 99 | 132 |
| 19 | 2.0 | 20 | 943 | 852 | 1,410 | 8.0 | 605 | 26 | 302 | 47 | 210 | 117 |
| 20 | 2.0 | 17 | 1,550 | 763 | 950 | 7.0 | 679 | 72 | 149 | 50 | 335 | 74 |
| 21 | 4.0 | 14 | 2,670 | 814 | 429 | 6.0 | 875 | 1,140 | 87 | 59 | 417 | 44 |
| 22 | 4.0 | 10 | 2,270 | 983 | 65 | 7.0 | 1,060 | 1,120 | 53 | 114 | 451 | 30 |
| 23 | 4.0 | 12 | 1,620 | 1,020 | 48 | 7.0 | 1,410 | 1,350 | 36 | 169 | 347 | 23 |
| 24 | 7.0 | 15 | 1,070 | 978 | 37 | 7.0 | 1,690 | 1,400 | 31 | 197 | 200 | 17 |
| 25 | 8.0 | 16 | 650 | 1,140 | 33 | 7.0 | 1,470 | 1,130 | 45 | 183 | 105 | 12 |
| 26 | 6.0 | 12 | 205 | 1,180 | 115 | 8.0 | 1,130 | 749 | 53 | 147 | 57 | 9.0 |
| 27 | 6.0 | 9.0 | 86 | 1,330 | 790 | 8.0 | 819 | 243 | 42 | 143 | 37 | 7.0 |
| 28 | 6.0 | 8.0 | 45 | 1,260 | 889 | 9.0 | 493 | 92 | 33 | 176 | 31 | 6.0 |
| 29 | 6.0 | 8.0 | 33 | 1,130 | ------ | 8.0 | 156 | 63 | 22 | 182 | 27 | 5.0 |
| 30 | 7.0 | 4.0 | 27 | 897 | ------ | 8.0 | 62 | 47 | 17 | 141 | 27 | 2.0 |
| 31 | 7.0 | ------ | 24 | 746 | ------ | 7.0 | ------ | 36 | ------ | 102 | 27 | ------ |
| TOTAL | 210.0 | 3,259.0 | 12,058.0 | 19,748 | 25,806 | 3,526.0 | 11,431.0 | 12,402 | 1,988.0 | 2,774 | 4,724 | 2,730.0 |
| MEAN | 6.77 | 109 | 389 | 637 | 922 | 114 | 381 | 400 | 66.3 | 89.5 | 152 | 91.0 |
| MAX | 24 | 578 | 2,670 | 1,330 | 3,730 | 1,100 | 1,690 | 1,460 | 343 | 197 | 451 | 497 |
| MIN | 2.0 | 4.0 | 6.0 | 21 | 23 | 6.0 | 5.0 | 26 | 5.0 | 20 | 27 | 2.0 |
| CFSM | .05 | .83 | 2.97 | 4.86 | 7.04 | .87 | 2.91 | 3.05 | .51 | .68 | 1.16 | .69 |
| IN. | .06 | .93 | 3.42 | 5.61 | 7.33 | 1.00 | 3.25 | 3.52 | .56 | .79 | 1.34 | .78 |
| AC-FT | 417 | 6,460 | 23,920 | 39,170 | 51,190 | 6,990 | 22,670 | 24,600 | 3,940 | 5,500 | 9,370 | 5,410 |

CAL YR 1965 TOTAL 66,136.4 MEAN 181 MAX 2,670 MIN 1.9 CFSM 1.38 IN 18.78 AC-FT 131,200
WTR YR 1966 TOTAL 100,656.0 MEAN 276 MAX 3,730 MIN 2.0 CFSM 2.11 IN 28.58 AC-FT 199,700

08010000 BAYOU DES CANNES NEAR EUNICE, LA.--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1966 TO SEPTEMBER 1967

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17 | 7.5 | 37 | 432 | 12 | 49 | 84 | 22 | 197 | 26 | 74 | 749 |
| 2 | 42 | 7.1 | 22 | 416 | 11 | 97 | 30 | 32 | 489 | 37 | 64 | 349 |
| 3 | 95 | 6.5 | 18 | 232 | 15 | 55 | 19 | 272 | 635 | 56 | 44 | 95 |
| 4 | 73 | 5.6 | 14 | 120 | 13 | 31 | 15 | 541 | 702 | 79 | 40 | 38 |
| 5 | 43 | 7.7 | 12 | 66 | 50 | 21 | 17 | 657 | 694 | 82 | 44 | 30 |
| 6 | 28 | 10 | 9.8 | 41 | 150 | 16 | 11 | 729 | 443 | 86 | 70 | 329 |
| 7 | 18 | 7.6 | 8.7 | 29 | 700 | 12 | 8.1 | 744 | 133 | 435 | 225 | 661 |
| 8 | 12 | 5.7 | 10 | 24 | 900 | 9.8 | 7.5 | 624 | 59 | 560 | 213 | 777 |
| 9 | 9.0 | 2.5 | 70 | 18 | 1,000 | 8.5 | 9.0 | 268 | 51 | 350 | 154 | 829 |
| 10 | 7.1 | 2.0 | 337 | 15 | 900 | 7.5 | 11 | 116 | 48 | 164 | 110 | 759 |
| 11 | 5.6 | 59 | 420 | 15 | 700 | 6.7 | 19 | 71 | 37 | 153 | 93 | 414 |
| 12 | 12 | 539 | 234 | 18 | 200 | 6.0 | 21 | 47 | 65 | 202 | 80 | 105 |
| 13 | 110 | 675 | 97 | 58 | 70 | 5.5 | 36 | 34 | 93 | 364 | 71 | 38 |
| 14 | 352 | 738 | 41 | 363 | 110 | 5.5 | 1,350 | 27 | 60 | 430 | 55 | 25 |
| 15 | 465 | 730 | 25 | 553 | 60 | 5.0 | 4,340 | 133 | 49 | 469 | 36 | 18 |
| 16 | 522 | 520 | 20 | 540 | 22 | 4.0 | 6,850 | 395 | 36 | 362 | 30 | 14 |
| 17 | 560 | 169 | 21 | 264 | 20 | 3.5 | 7,350 | 464 | 28 | 191 | 51 | 12 |
| 18 | 617 | 67 | 20 | 96 | 22 | 3.0 | 6,430 | 321 | 26 | 152 | 88 | 12 |
| 19 | 625 | 36 | 24 | 43 | 90 | 2.8 | 4,650 | 134 | 27 | 189 | 97 | 12 |
| 20 | 632 | 27 | 23 | 31 | 250 | 3.1 | 2,730 | 61 | 27 | 441 | 71 | 12 |
| 21 | 549 | 23 | 20 | 24 | 500 | 4.3 | 1,530 | 53 | 23 | 668 | 51 | 12 |
| 22 | 271 | 19 | 16 | 20 | 700 | 4.3 | 925 | 106 | 46 | 709 | 39 | 11 |
| 23 | 103 | 16 | 13 | 16 | 650 | 5.0 | 380 | 171 | 34 | 738 | 39 | 9.6 |
| 24 | 47 | 14 | 12 | 14 | 300 | 3.5 | 109 | 144 | 28 | 787 | 130 | 9.0 |
| 25 | 31 | 14 | 12 | 13 | 100 | 4.6 | 60 | 86 | 30 | 883 | 207 | 12 |
| 26 | 21 | 12 | 11 | 20 | 40 | 369 | 47 | 54 | 29 | 891 | 211 | 12 |
| 27 | 15 | 11 | 10 | 150 | 20 | 724 | 36 | 41 | 27 | 769 | 497 | 11 |
| 28 | 11 | 74 | 21 | 130 | 22 | 861 | 30 | 38 | 23 | 401 | 738 | 11 |
| 29 | 17 | 144 | 84 | 50 | ------ | 945 | 23 | 32 | 21 | 138 | 765 | 23 |
| 30 | 10 | 78 | 128 | 20 | ------ | 836 | 23 | 33 | 25 | 90 | 834 | 35 |
| 31 | 8.5 | ------ | 256 | 15 | ------ | 362 | ------ | 53 | ------ | 83 | 862 | ------ |
| TOTAL | 5,328.2 | 4,027.2 | 2,046.5 | 3,846 | 7,627 | 4,470.6 | 37,150.6 | 6,503 | 4,185 | 10,985 | 6,083 | 5,423.6 |
| MEAN | 172 | 134 | 66.0 | 124 | 272 | 144 | 1,238 | 210 | 140 | 354 | 196 | 181 |
| MAX | 632 | 738 | 420 | 553 | 1,000 | 945 | 7,350 | 744 | 702 | 891 | 862 | 829 |
| MIN | 5.6 | 2.0 | 8.7 | 13 | 11 | 2.8 | 7.5 | 22 | 21 | 26 | 30 | 9.0 |
| CFSM | 1.31 | 1.02 | .50 | .947 | 2.08 | 1.10 | 9.45 | 1.60 | 1.07 | 2.70 | 1.50 | 1.38 |
| IN. | 1.51 | 1.14 | .58 | 1.09 | 2.17 | 1.27 | 10.55 | 1.85 | 1.19 | 3.12 | 1.73 | 1.54 |
| AC-FT | 10,570 | 7,990 | 4,060 | 7,630 | 15,130 | 8,870 | 73,690 | 12,900 | 8,300 | 21,790 | 12,070 | 10,760 |

CAL YR 1966 TOTAL 96,530.9 MEAN 264 MAX 3,730 MIN 2.0 CFSM 2.01 IN 30.23 AC-FT 211,300
WTR YR 1967 TOTAL 97,675.7 MEAN 268 MAX 7,350 MIN 2.0 CFSM 2.05 IN 27.71 AC-FT 193,800

NOTE.--NO GAGE-HEIGHT RECORD JUNE 23 TO AUG. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24 | 832 | 9.8 | 546 | 17 | 510 | 219 | 212 | 31 | 25 | 135 | 15 |
| 2 | 18 | 911 | 9.7 | 652 | 17 | 452 | 511 | 99 | 27 | 50 | 150 | 23 |
| 3 | 18 | 844 | 11 | 682 | 16 | 261 | 301 | 49 | 28 | 40 | 143 | 59 |
| 4 | 15 | 574 | 13 | 706 | 14 | 374 | 118 | 48 | 25 | 30 | 137 | 155 |
| 5 | 11 | 162 | 16 | 634 | 13 | 294 | 57 | 70 | 24 | 17 | 115 | 242 |
| 6 | 9.5 | 68 | 16 | 428 | 13 | 155 | 34 | 58 | 27 | 13 | 108 | 250 |
| 7 | 9.0 | 35 | 14 | 213 | 11 | 232 | 25 | 32 | 38 | 12 | 179 | 171 |
| 8 | 9.5 | 26 | 12 | 190 | 10 | 234 | 23 | 23 | 43 | 11 | 364 | 111 |
| 9 | 10 | 22 | 177 | 422 | 10 | 127 | 265 | 203 | 40 | 10 | 392 | 59 |
| 10 | 13 | 18 | 778 | 973 | 9.1 | 58 | 633 | 601 | 42 | 10 | 360 | 35 |
| 11 | 8.6 | 15 | 866 | 1,390 | 8.1 | 34 | 696 | 799 | 42 | 10 | 265 | 25 |
| 12 | 8.3 | 12 | 1,060 | 2,160 | 7.2 | 28 | 708 | 945 | 41 | 10 | 154 | 24 |
| 13 | 10 | 12 | 1,190 | 1,890 | 6.5 | 63 | 521 | 1,060 | 203 | 10 | 115 | 22 |
| 14 | 9.0 | 11 | 1,050 | 1,310 | 5.8 | 54 | 158 | 997 | 118 | 300 | 138 | 16 |
| 15 | 8.0 | 10 | 862 | 815 | 5.5 | 29 | 63 | 698 | 54 | 150 | 151 | 149 |
| 16 | 13 | 8.5 | 825 | 273 | 6.0 | 19 | 37 | 174 | 42 | 125 | 139 | 390 |
| 17 | 29 | 7.5 | 950 | 92 | 8.7 | 15 | 28 | 77 | 38 | 110 | 147 | 337 |
| 18 | 81 | 6.7 | 1,350 | 42 | 10 | 12 | 20 | 39 | 42 | 100 | 170 | 219 |
| 19 | 57 | 6.5 | 1,640 | 34 | 11 | 10 | 26 | 106 | 85 | 130 | 134 | 125 |
| 20 | 36 | 5.5 | 1,750 | 31 | 11 | 9.0 | 30 | 122 | 104 | 225 | 77 | 71 |
| 21 | 27 | 4.3 | 1,580 | 25 | 11 | 11 | 24 | 65 | 104 | 330 | 49 | 32 |
| 22 | 22 | 4.1 | 1,300 | 39 | 12 | 212 | 18 | 42 | 117 | 400 | 37 | 21 |
| 23 | 20 | 4.3 | 965 | 115 | 15 | 548 | 16 | 35 | 150 | 360 | 31 | 14 |
| 24 | 18 | 4.5 | 664 | 242 | 17 | 648 | 15 | 35 | 200 | 350 | 27 | 11 |
| 25 | 17 | 3.6 | 298 | 212 | 17 | 580 | 16 | 33 | 250 | 380 | 25 | 6.7 |
| 26 | 17 | 4.3 | 109 | 110 | 16 | 216 | 26 | 36 | 150 | 330 | 28 | 6.4 |
| 27 | 20 | 7.0 | 191 | 55 | 14 | 60 | 23 | 49 | 175 | 240 | 28 | 5.6 |
| 28 | 19 | 6.5 | 580 | 35 | 33 | 28 | 175 | 64 | 80 | 160 | 25 | 3.7 |
| 29 | 18 | 7.8 | 643 | 26 | 263 | 20 | 460 | 68 | 50 | 130 | 20 | 5.8 |
| 30 | 524 | 9.7 | 571 | 21 | ------ | 24 | 422 | 56 | 35 | 110 | 19 | 7.8 |
| 31 | 750 | ------ | 484 | 22 | ------ | 23 | ------ | 40 | ------ | 125 | 13 | ------ |
| TOTAL | 1,848.9 | 3,642.8 | 19,984.5 | 14,385 | 607.9 | 5,340.0 | 5,668 | 6,935 | 2,405 | 4,303 | 3,875 | 2,612.0 |
| MEAN | 59.6 | 121 | 645 | 464 | 21.0 | 172 | 189 | 224 | 80.2 | 139 | 125 | 87.1 |
| MAX | 750 | 911 | 1,750 | 2,160 | 263 | 648 | 708 | 1,060 | 250 | 400 | 392 | 390 |
| MIN | 8.0 | 3.6 | 9.7 | 21 | 5.5 | 9.0 | 15 | 23 | 24 | 10 | 13 | 3.7 |
| CFSM | .46 | .92 | 4.92 | 3.54 | .16 | 1.31 | 1.44 | 1.71 | .61 | 1.06 | .95 | .66 |
| IN. | .53 | 1.03 | 5.67 | 4.08 | .17 | 1.52 | 1.61 | 1.97 | .68 | 1.22 | 1.10 | .74 |
| AC-FT | 3,670 | 7,230 | 39,640 | 28,530 | 1,210 | 10,590 | 11,240 | 13,760 | 4,770 | 8,540 | 7,690 | 5,180 |

CAL YR 1967 TOTAL 111,750.0 MEAN 306 MAX 7,350 MIN 2.8 CFSM 2.34 IN 31.73 AC-FT 221,700
WTR YR 1968 TOTAL 71,607.1 MEAN 196 MAX 2,160 MIN 3.6 CFSM 1.50 IN 20.33 AC-FT 142,000

NOTE.--NO GAGE-HEIGHT RECORD JUNE 23 TO AUG. 1.

08010000 BAYOU DES CANNES NEAR EUNICE, LA.--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 6.6 | 1,030 | 224 | 22 | 101 | 27 | 59 | 100 | 13 | 250 | 20 |
| 2 | 3.4 | 7.0 | 1,310 | 114 | 146 | 86 | 44 | 38 | 65 | 13 | 137 | 23 |
| 3 | 4.2 | 9.3 | 2,050 | 74 | 1,160 | 66 | 34 | 50 | 55 | 13 | 170 | 16 |
| 4 | 3.9 | 17 | 2,350 | 135 | 1,490 | 41 | 25 | 147 | 60 | 13 | 157 | 98 |
| 5 | 3.4 | 19 | 1,940 | 202 | 1,550 | 28 | 154 | 973 | 70 | 13 | 107 | 472 |
| 6 | 4.8 | 20 | 1,480 | 134 | 1,260 | 456 | 248 | 1,440 | 60 | 40 | 76 | 531 |
| 7 | 5.8 | 34 | 1,060 | 69 | 779 | 748 | 163 | 2,610 | 45 | 210 | 106 | 451 |
| 8 | 4.9 | 33 | 687 | 40 | 337 | 871 | 98 | 2,910 | 40 | 200 | 98 | 229 |
| 9 | 173 | 39 | 282 | 30 | 105 | 968 | 37 | 2,500 | 35 | 70 | 97 | 123 |
| 10 | 804 | 53 | 149 | 25 | 51 | 762 | 24 | 700 | 30 | 50 | 102 | 50 |
| 11 | 561 | 75 | 54 | 22 | 29 | 166 | 18 | 124 | 27 | 40 | 69 | 26 |
| 12 | 230 | 94 | 39 | 21 | 22 | 48 | 70 | 60 | 25 | 100 | 64 | 20 |
| 13 | 105 | 62 | 480 | 18 | 17 | 28 | 1,510 | 72 | 24 | 450 | 114 | 18 |
| 14 | 47 | 40 | 642 | 15 | 148 | 22 | 2,130 | 61 | 22 | 300 | 137 | 14 |
| 15 | 26 | 32 | 677 | 13 | 767 | 31 | 3,050 | 50 | 21 | 210 | 98 | 11 |
| 16 | 17 | 107 | 554 | 13 | 794 | 623 | 2,810 | 45 | 20 | 172 | 99 | 9.9 |
| 17 | 33 | 216 | 207 | 26 | 1,430 | 981 | 2,230 | 50 | 19 | 173 | 97 | 8.3 |
| 18 | 77 | 197 | 82 | 89 | 1,200 | 1,520 | 1,740 | 45 | 18 | 260 | 54 | 6.7 |
| 19 | 38 | 133 | 45 | 94 | 600 | 2,000 | 1,370 | 40 | 17 | 480 | 39 | 7.7 |
| 20 | 28 | 72 | 36 | 50 | 132 | 1,800 | 1,000 | 37 | 16 | 680 | 160 | 11 |
| 21 | 20 | 38 | 105 | 88 | 181 | 1,300 | 538 | 35 | 15 | 760 | 230 | 12 |
| 22 | 15 | 23 | 389 | 520 | 1,090 | 804 | 116 | 33 | 15 | 800 | 200 | 11 |
| 23 | 11 | 18 | 544 | 620 | 1,370 | 214 | 48 | 31 | 15 | 850 | 190 | 11 |
| 24 | 7.8 | 15 | 554 | 400 | 1,960 | 147 | 27 | 30 | 14 | 900 | 170 | 8.9 |
| 25 | 6.5 | 15 | 375 | 130 | 1,970 | 134 | 32 | 30 | 14 | 960 | 151 | 7.9 |
| 26 | 5.8 | 14 | 142 | 55 | 1,210 | 102 | 24 | 32 | 14 | 980 | 77 | 9.7 |
| 27 | 5.5 | 16 | 66 | 32 | 724 | 53 | 65 | 30 | 16 | 930 | 52 | 8.1 |
| 28 | 5.7 | 178 | 46 | 24 | 171 | 28 | 425 | 28 | 14 | 780 | 41 | 5.5 |
| 29 | 5.8 | 341 | 39 | 20 | ------ | 18 | 218 | 27 | 14 | 440 | 39 | 6.7 |
| 30 | 5.8 | 365 | 47 | 18 | ------ | 19 | 146 | 200 | 13 | 460 | 28 | 5.9 |
| 31 | 6.1 | ------ | 182 | 22 | ------ | 24 | ------ | 170 | ------ | 400 | 18 | ------ |
| TOTAL | 2,268.4 | 2,288.9 | 17,643 | 3,337 | 20,715 | 14,189 | 18,421 | 12,657 | 913 | 11,760 | 3,427 | 2,232.3 |
| MEAN | 73.2 | 76.3 | 569 | 108 | 740 | 458 | 614 | 408 | 30.4 | 379 | 111 | 74.4 |
| MAX | 804 | 365 | 2,350 | 620 | 1,970 | 2,000 | 3,050 | 2,910 | 100 | 980 | 250 | 531 |
| MIN | 3.4 | 6.6 | 36 | 13 | 17 | 18 | 18 | 27 | 13 | 13 | 18 | 5.5 |
| CFSM | .56 | .58 | 4.34 | .82 | 5.65 | 3.50 | 4.69 | 3.11 | .23 | 2.89 | .85 | .57 |
| IN. | .64 | .65 | 5.01 | .95 | 5.88 | 4.03 | 5.23 | 3.59 | .26 | 3.34 | .97 | .63 |
| AC-FT | 4,500 | 4,540 | 34,990 | 6,620 | 41,090 | 28,140 | 36,540 | 25,110 | 1,810 | 23,330 | 6,800 | 4,430 |

CAL YR 1968 TOTAL 68,331.2 MEAN 187 MAX 2,350 MIN 3.4 CFSM 1.43 IN 19.40 AC-FT 135,500
WTR YR 1969 TOTAL 109,851.6 MEAN 301 MAX 3,050 MIN 3.4 CFSM 2.30 IN 31.19 AC-FT 217,900

NOTE.--NO GAGE-HEIGHT RECORD MAY 15 TO AUG. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.2 | 472 | 1.9 | 150 | 141 | 49 | 25 | 27 | 77 | 29 | 145 | 293 |
| 2 | 1.7 | 477 | 1.5 | 131 | 456 | 24 | 18 | 538 | 118 | 17 | 114 | 439 |
| 3 | .80 | 269 | 1.3 | 78 | 722 | 15 | 13 | 899 | 132 | 7.5 | 88 | 584 |
| 4 | .66 | 100 | 1.0 | 49 | 560 | 133 | 17 | 1,710 | 120 | 13 | 72 | 636 |
| 5 | 2.0 | 35 | 1.0 | 36 | 300 | 350 | 16 | 2,270 | 92 | 7.8 | 78 | 617 |
| 6 | 58 | 17 | 211 | 173 | 104 | 400 | 9.5 | 1,870 | 70 | 5.9 | 413 | 512 |
| 7 | 622 | 7.9 | 649 | 409 | 33 | 300 | 7.3 | 1,320 | 52 | 5.7 | 118 | 311 |
| 8 | 752 | 4.9 | 934 | 449 | 16 | 320 | 7.1 | 860 | 34 | 6.3 | 123 | 152 |
| 9 | 709 | 4.0 | 1,470 | 270 | 11 | 350 | 9.8 | 478 | 24 | 5.0 | 129 | 35 |
| 10 | 402 | 3.6 | 1,610 | 144 | 7.8 | 200 | 110 | 113 | 20 | 6.3 | 107 | 17 |
| 11 | 266 | 3.4 | 1,250 | 155 | 6.5 | 133 | 391 | 70 | 17 | 6.9 | 82 | 20 |
| 12 | 260 | 3.4 | 849 | 350 | 5.7 | 146 | 523 | 38 | 12 | 24 | 71 | 112 |
| 13 | 159 | 6.7 | 541 | 333 | 4.8 | 142 | 577 | 28 | 7.3 | 50 | 74 | 227 |
| 14 | 66 | 5.5 | 208 | 165 | 3.7 | 95 | 489 | 29 | 8.5 | 54 | 70 | 147 |
| 15 | 35 | 7.9 | 125 | 114 | 3.1 | 54 | 188 | 27 | 11 | 68 | 61 | 96 |
| 16 | 23 | 6.7 | 57 | 72 | 9.5 | 33 | 87 | 38 | 5.9 | 117 | 48 | 35 |
| 17 | 17 | 4.0 | 38 | 52 | 84 | 108 | 40 | 39 | 4.0 | 161 | 41 | 16 |
| 18 | 11 | 3.4 | 31 | 40 | 119 | 300 | 23 | 42 | 3.7 | 163 | 48 | 84 |
| 19 | 9.7 | 7.5 | 32 | 33 | 73 | 420 | 43 | 35 | 28 | 182 | 50 | 113 |
| 20 | 8.7 | 10 | 34 | 26 | 37 | 350 | 176 | 24 | 26 | 167 | 67 | 86 |
| 21 | 9.6 | 20 | 42 | 21 | 18 | 380 | 271 | 22 | 14 | 139 | 122 | 56 |
| 22 | 7.3 | 18 | 45 | 18 | 12 | 440 | 193 | 14 | 9.0 | 154 | 147 | 32 |
| 23 | 5.5 | 12 | 61 | 20 | 6.7 | 420 | 112 | 58 | 6.3 | 172 | 150 | 7.3 |
| 24 | 5.2 | 8.1 | 61 | 22 | 4.4 | 200 | 56 | 79 | 8.2 | 211 | 162 | 12 |
| 25 | 5.5 | 7.1 | 49 | 21 | 11 | 124 | 28 | 65 | 15 | 220 | 171 | 31 |
| 26 | 6.7 | 4.3 | 37 | 16 | 150 | 65 | 21 | 83 | 58 | 206 | 164 | 86 |
| 27 | 6.2 | 3.5 | 27 | 14 | 200 | 42 | 18 | 141 | 80 | 131 | 144 | 66 |
| 28 | 4.8 | 2.5 | 20 | 12 | 105 | 27 | 20 | 127 | 59 | 187 | 108 | 51 |
| 29 | 4.5 | 2.8 | 18 | 11 | ------ | 36 | 14 | 94 | 43 | 220 | 74 | 56 |
| 30 | 4.5 | 2.5 | 66 | 9.8 | ------ | 35 | 14 | 71 | 33 | 220 | 52 | 223 |
| 31 | 153 | ------ | 152 | 8.5 | ------ | 27 | ------ | 57 | ------ | 138 | 147 | ------ |
| TOTAL | 3,620.56 | 1,529.7 | 8,623.7 | 3,402.3 | 3,204.2 | 5,718 | 3,516.7 | 11,266 | 1,187.9 | 3,094.4 | 3,140 | 5,142.3 |
| MEAN | 117 | 51.0 | 278 | 110 | 114 | 184 | 117 | 363 | 39.6 | 99.8 | 101 | 171 |
| MAX | 752 | 477 | 1,610 | 449 | 722 | 440 | 577 | 2,270 | 132 | 220 | 171 | 636 |
| MIN | .66 | 2.5 | 1.0 | 8.5 | 3.1 | 15 | 7.1 | 14 | 3.7 | 5.0 | 41 | 7.3 |
| CFSM | .89 | .39 | 2.12 | .84 | .87 | 1.40 | .89 | 2.77 | .30 | .76 | .77 | 1.31 |
| IN. | 1.03 | .43 | 2.45 | .97 | .91 | 1.62 | 1.00 | 3.20 | .34 | .88 | .89 | 1.46 |
| AC-FT | 7,180 | 3,030 | 17,110 | 6,750 | 6,360 | 11,340 | 6,980 | 22,350 | 2,360 | 6,140 | 6,230 | 10,200 |

CAL YR 1969 TOTAL 101,425.26 MEAN 278 MAX 3,050 MIN .66 CFSM 2.12 IN 28.79 AC-FT 201,200
WTR YR 1970 TOTAL 53,445.76 MEAN 278 MAX 3,050 MIN .66 CFSM 1.11 IN 15.18 AC-FT 106,000

NOTE.--NO GAGE-HEIGHT RECORD FEB. 7 TO MAR. 21.