

U. S. DEPARTMENT OF COMMERCE

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WEATHER BUREAU

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TECHNICAL PAPER NO. 15

Maximum Station Precipitation for 1, 2, 3, 6, 12, and 24 Hours

Part VIII: Virginia

DIVISION OF HYDROLOGIC SERVICES

HYDROMETEOROLOGICAL SECTION

In cooperation with

CORPS OF ENGINEERS, U. S. ARMY



WASHINGTON, D. C.

July 1954

U. S. DEPARTMENT OF COMMERCE
BUREAU OF WEATHER SERVICE
WASHINGTON, D. C.

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MAXIMUM STATION PRECIPITATION FOR 1, 2, 3, 6, 12, and 24 HOURS

INTRODUCTION

This report which is one of a planned series covering the entire United States, was prompted by the long-standing and widespread interest in maximum observed precipitation amounts for durations of 24 hours and under. At least two summaries of this type of data have already been prepared¹. Neither summary involved more than a couple of hundred stations throughout the United States, and no attempt was made to determine the month-to-month variation of the maximum values. Eventually, the records for some 3000 recording gages in the United States will have been examined for maximum amounts. The survey for the eastern half of the country is being conducted by the Hydrometeorological Section in cooperation with the Corps of Engineers and that for the western half by the Cooperative Studies Section in cooperation with the Bureau of Reclamation. Sources of data are: (1) Hydrologic Bulletin, (2) Climatological Data, (3) WB Form 1017, triple-register sheet, (4) WB Form 1030, Monthly Climatological Summary, and (5) Tables of Excessive Precipitation from the Report of the Chief of the Weather Bureau.

All precipitation amounts presented in the tabulations are in inches.

The station names and locations shown on figures 1-6 are those listed in Climatological Data for December 1950. Some stations have operated under two or more names and/or at several local sites during the period of record. Any important change in location usually calls for a new station name so that records for the two sites are automatically tabulated separately.

The period of record, except at Weather Bureau first-order stations, is limited to the 11 years since the hydrologic network of weighing gages was inaugurated about 1940. In the case of Weather Bureau first-order stations, tipping-bucket gage records were surveyed for the entire period of record prior to 1951. For comparative purposes, two sets of maxima were obtained from these long re-

1. Yarnell, D. L., "Rainfall Intensity-Frequency Data," U. S. Department of Agriculture Miscellaneous Publication No. 204, August 1935.
Shands, A. L. and D. Ammerman, "Maximum Recorded United States Point Rainfall," Weather Bureau Technical Paper No. 2, April 1947.

ords, one for the period 1940-1950 and the other for the period from the installation of the tipping-bucket gage through 1950. Records for stations in operation less than 5 years were not used unless the stations were active through 1950, in which case their maxima are listed to facilitate future surveys of subsequent data. If the period of record was not continuous and any single interruption was less than one year, the notation "break(s)" is inserted after the years denoting the period of record. Interruptions of one year or longer are shown by separate listing of the years, e.g., 1940-1942, 1943-1950, indicating that a break of 12 months or longer occurred in 1942-1943.

Many recording-gage stations are also equipped with nonrecording gages. Maxima from nonrecording gages were used whenever they exceeded those of the recording gages.

In many cases the maximum occurred on the last day of the month and the first day of the next month. Therefore in some instances the same maximum applies for each of the months involved.

The time intervals used in most of the survey and tabulations began on the hour. This practice yields lower values than would be obtained by allowing the interval to begin any time within an hour, but the extra work involved in obtaining the true values would greatly increase the cost of the project. It is possible that when the survey for the entire United States has been completed an attempt will be made to determine the relation between true maxima and those for the standard clock intervals over various regions of the country. A satisfactory correlation would provide a procedure for adjusting the tabulated amounts to values more nearly representing the true maxima. In the case of some Weather Bureau first-order stations, the maxima for 1-, 2-, 24-, and some 3-hour durations are true maxima, i.e., the interval is actually for the period of maximum precipitation and does not necessarily begin on the hour. True maxima are indicated by footnotes in the tabulations.

Estimates of maximum amounts, indicated by the letter "E" in the tabulations, were required whenever the following conditions prevailed: Recording gages were not functioning because of

mechanical or electrical failure or because the precipitation was in the form of snow (tipping-bucket gages cannot measure snowfall rates). In such cases, the precipitation was assumed to have been evenly distributed throughout the period and estimates were obtained by prorating the accumulation. For example, in one case an amount of 5.00 inches was accumulated through a period of 54 hours. It developed that 24/54 of this amount, or 2.22 inches, was higher than any other amount for 24 hours, and this was used as the maximum.

Since this survey was confined to the period covered by recording gages, the 24-hour maximum amounts listed may be exceeded by 24-hour maxima published in reports² of other surveys supplementing the recording-gage data with

2. U. S. Weather Bureau, "Maximum 24-Hour Precipitation in the United States," Technical Paper No. 16, Washington, 1951.

antecedent nonrecording-gage records. Although it would have been an easy matter to use these higher maxima, it was believed preferable to list maxima for all durations for the same period of record.

Maximum monthly amounts determined from stations equipped with a recording gage are shown in table 1.

Maximum amounts determined from stations equipped with a recording gage are shown in table 2.

The monthly distribution of occurrences of the maximum amounts at the 42 stations with five years or more of record are shown in table 3.

A. E. Brown, Jr. supervised the project for Virginia. John T. Lindgren compiled the data which was then checked by James L. Keister. The manuscript was typed by Marian I. Hammer.

Table 1. - Maximum Monthly Precipitation Amounts for Virginia

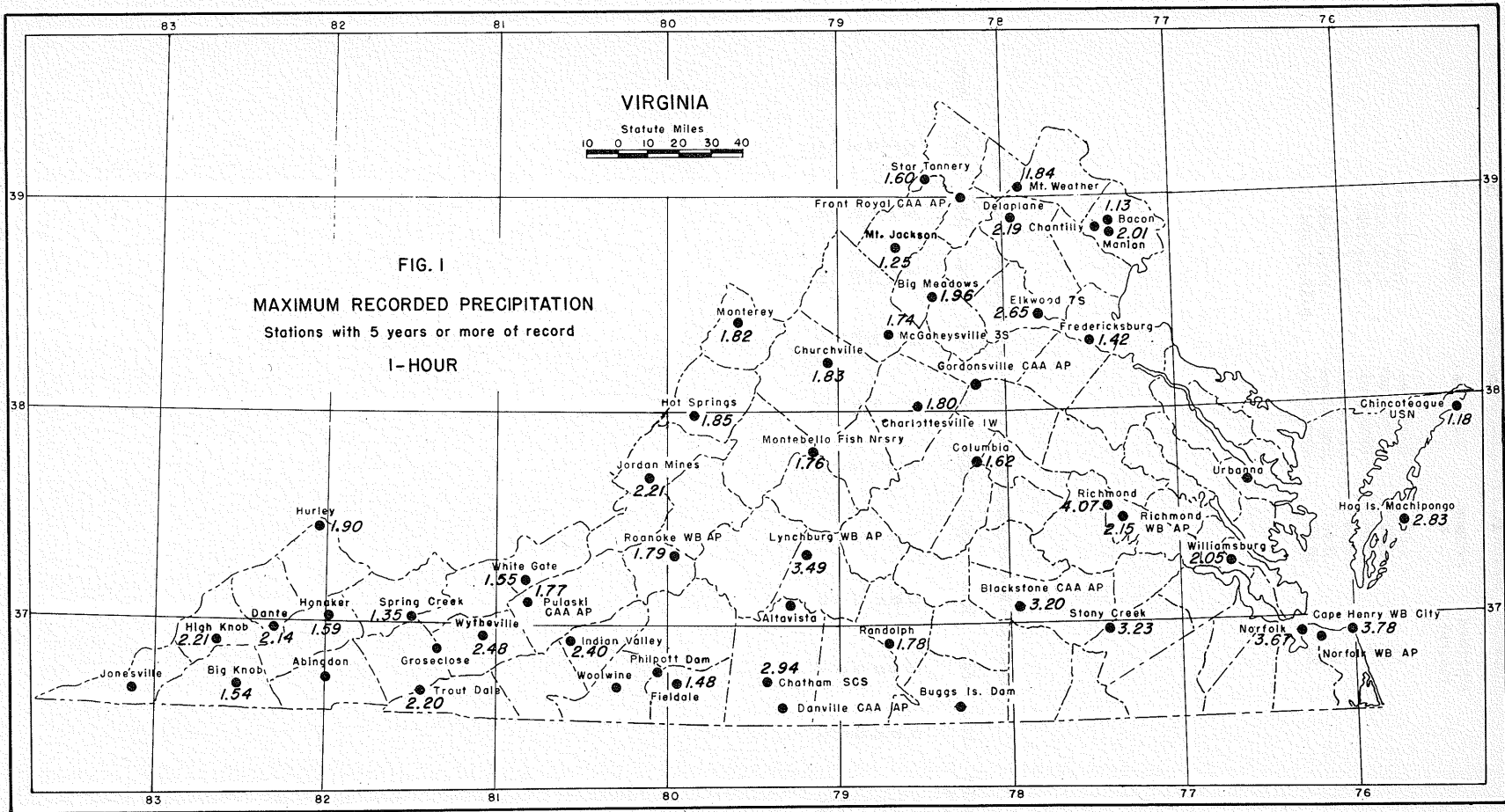
| Duration (hours) | Amount | Location | Date | Duration | Amount | Location | Date |
|------------------|--------|---------------|------------|-----------|--------|--------------|------------|
| JANUARY | | | | JULY | | | |
| 1 | 0.87 | Columbia | 24/1940 | 1 | 4.07 | Richmond | 30/1923 |
| 2 | 1.25 | Chatham | 1/1945 | 2 | 6.33 | Richmond | 30/1923 |
| 3 | 1.49 | Montebello | 1/1947 | 3 | 7.04 | Richmond | 30/1923 |
| 6 | 2.76 | Norfolk | 28-29/1937 | 6 | 7.24 | Richmond | 30/1923 |
| 12 | 3.69 | Norfolk | 28-29/1937 | 12 | 7.24 | Richmond | 30/1923 |
| 24 | 4.07 | Norfolk | 28-29/1937 | 24 | 7.26 | Richmond | 30-31/1923 |
| FEBRUARY | | | | AUGUST | | | |
| 1 | 0.92 | Richmond | 21/1900 | 1 | 3.69 | Richmond | 20/1931 |
| 2 | 1.08 | Lynchburg | 17/1910 | 2 | 4.74 | Norfolk | 14/1898 |
| 3 | 1.28 | Lynchburg | 17/1910 | 3 | 4.80 | Norfolk | 14/1898 |
| 6 | 1.89 | Cape Henry | 5/1920 | 6 | 5.86 | Norfolk | 20-21/1933 |
| 12 | 2.77 | High Knob | 17/1944 | 12 | 6.67 | Blackstone | 14-15/1940 |
| 24 | 3.30 | Richmond | 3-4/1920 | 24 | 8.93 | Blackstone | 14-15/1940 |
| MARCH | | | | SEPTEMBER | | | |
| 1 | 1.38 | Richmond | 21/1903 | 1 | 3.49 | Lynchburg | 3/1907 |
| 2 | 1.57 | Columbia | 22-23/1949 | 2 | 5.58 | Hog Island | 14/1944 |
| 3 | 1.72 | Columbia | 22-23/1949 | 3 | 6.58 | Hog Island | 14/1944 |
| 6 | 2.73 | Montebello | 31/1948 | 6 | 8.24 | Hog Island | 14/1944 |
| 12 | 3.65 | Montebello | 31/1948 | 12 | 8.44 | Hog Island | 14/1944 |
| 24 | 3.85 | Montebello | 31-1/1948 | 24 | 8.79 | Hog Island | 14-15/1944 |
| APRIL | | | | OCTOBER | | | |
| 1 | 1.47 | Williamsburg | 14/1945 | 1 | 2.65 | Elkwood | 15/1942 |
| 2 | 1.92 | Williamsburg | 14/1945 | 2 | 4.52 | Elkwood | 15/1942 |
| 3 | 2.22 | Williamsburg | 14/1945 | 3 | 5.00 | Elkwood | 15/1942 |
| 6 | 2.50 | Richmond | 27/1928 | 6 | 5.22 | Elkwood | 15/1942 |
| 12 | 3.38 | Montebello | 31/1/1948 | 12 | 5.48 | Elkwood | 15/1942 |
| 24 | 5.33 | Richmond | 17-18/1910 | 24 | 7.98 | Star Tannery | 14-15/1942 |
| MAY | | | | NOVEMBER | | | |
| 1 | 2.40 | Norfolk | 29/1929 | 1 | 1.26 | Norfolk | 3/1947 |
| 2 | 2.82 | Lynchburg | 26/1921 | 2 | 2.07 | Elkwood | 8/1943 |
| 3 | 2.88 | Lynchburg | 26/1921 | 3 | 2.63 | Big Meadows | 25/1950 |
| 6 | 4.75 | Montebello | 15-16/1942 | 6 | 3.94 | Big Meadows | 24-25/1950 |
| 12 | 7.76 | Montebello | 15-16/1942 | 12 | 4.44E | Big Meadows | 24-25/1950 |
| 24 | 10.00 | Montebello | 15-16/1942 | 24 | 5.48 | Norfolk | 8-9/1893 |
| JUNE | | | | DECEMBER | | | |
| 1 | 2.74 | Lynchburg | 28/1949 | 1 | 1.19 | Cape Henry | 5/1912 |
| 2 | 3.73 | Indian Valley | 10/1945 | 2 | 2.00 | Cape Henry | 5/1912 |
| 3 | 4.74 | Indian Valley | 10/1945 | 3 | 2.56 | Cape Henry | 5/1912 |
| 6 | 4.85 | Indian Valley | 10/1945 | 6 | 3.14 | Cape Henry | 4-5/1912 |
| 12 | 5.11 | Norfolk | 16-17/1893 | 12 | 3.47 | Big Meadows | 3-4/1950 |
| 24 | 5.97 | Norfolk | 16-17/1893 | 24 | 4.14 | Montebello | 3-4/1950 |

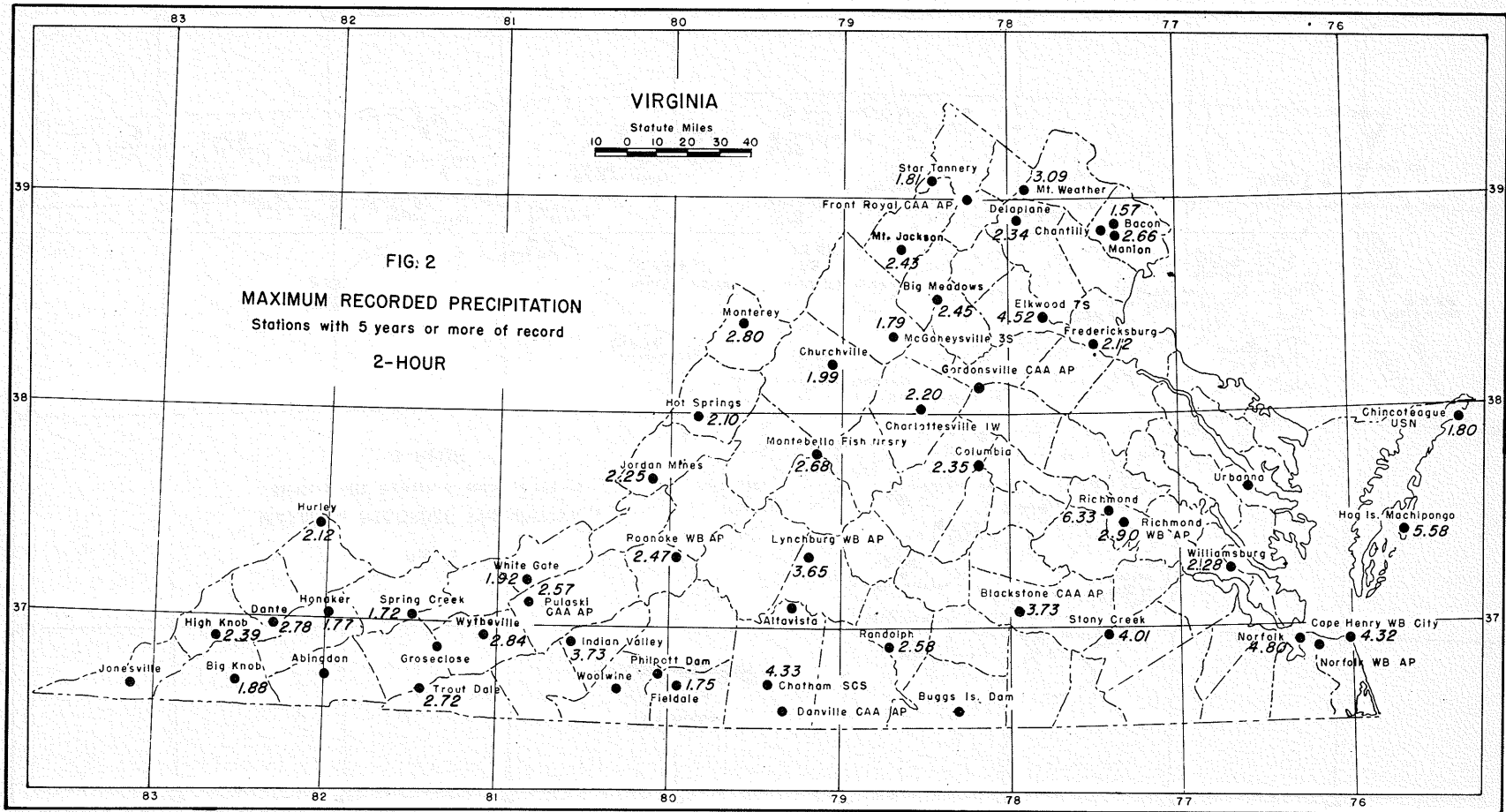
Table 2. - Maximum Precipitation Amounts for Virginia

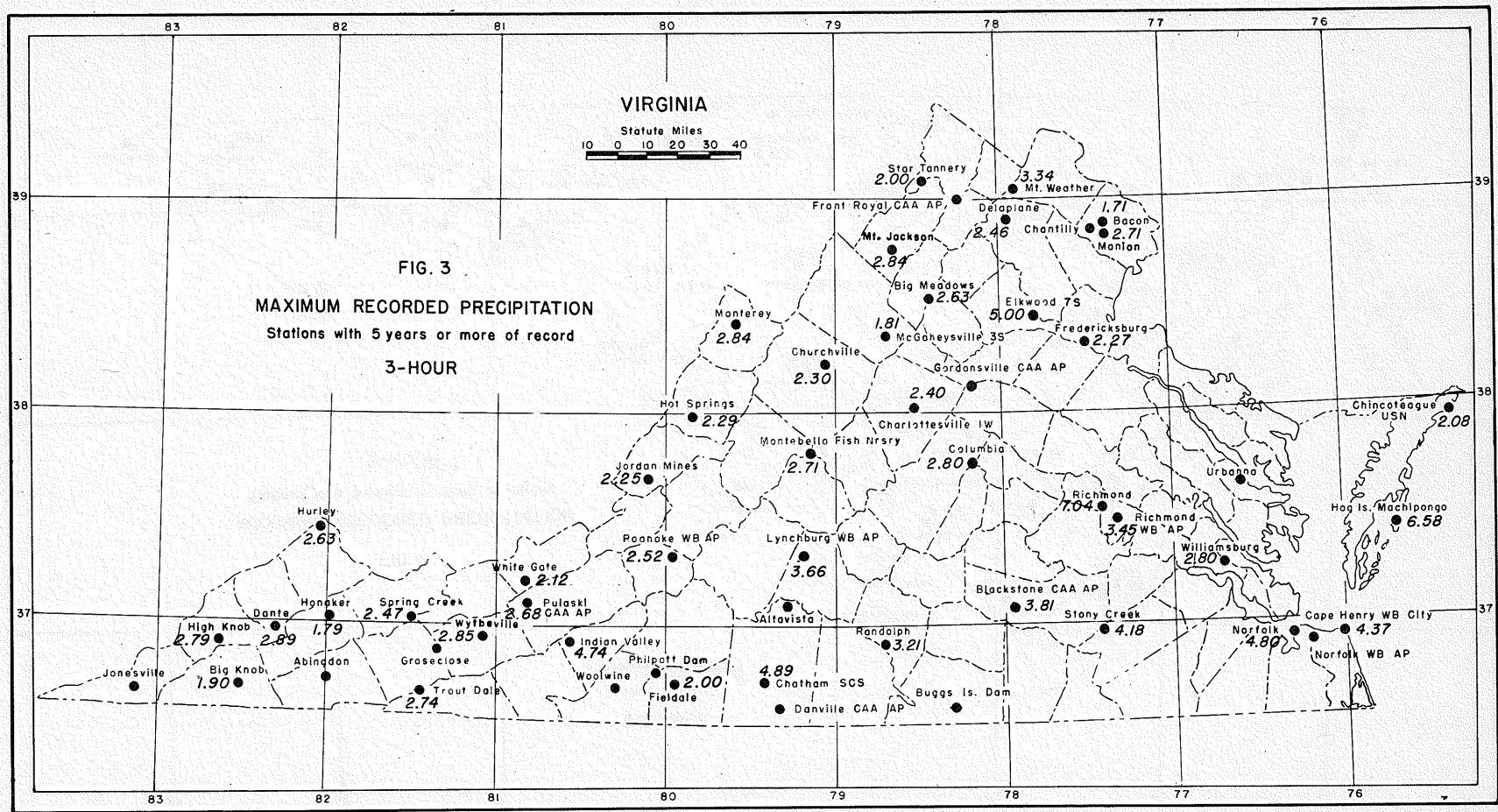
| Duration (hours) | Amount | Location | Date |
|------------------|--------|------------|--------------|
| 1 | 4.07 | Richmond | 7/30/1923 |
| 2 | 6.33 | Richmond | 7/30/1923 |
| 3 | 7.04 | Richmond | 7/30/1923 |
| 6 | 8.24 | Hog Island | 9/14/1944 |
| 12 | 8.44 | Hog Island | 9/14/1944 |
| 24 | 10.00 | Montebello | 5/15-16/1942 |

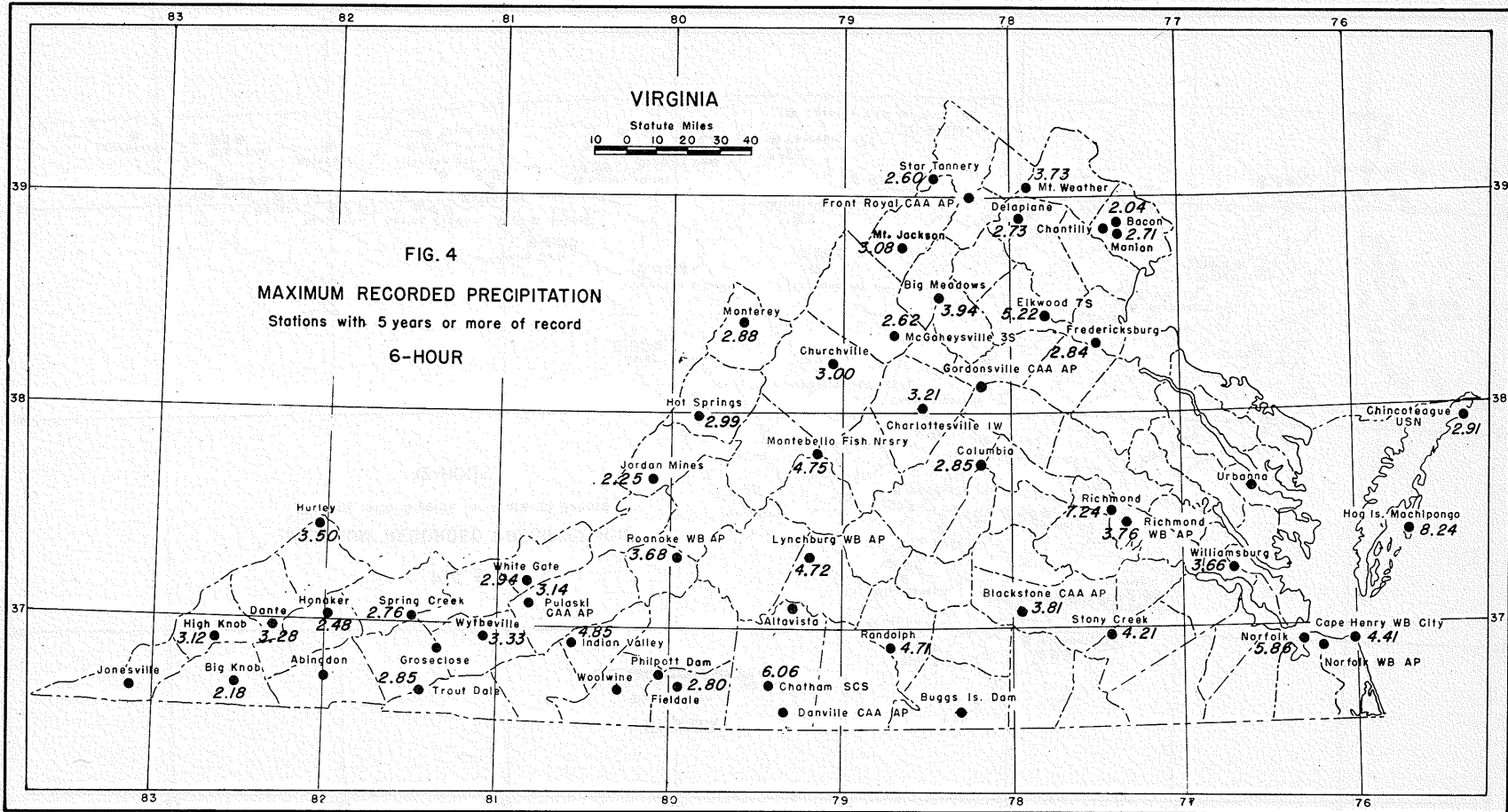
Table 3. - Monthly Distribution of Maximum Precipitation Amounts

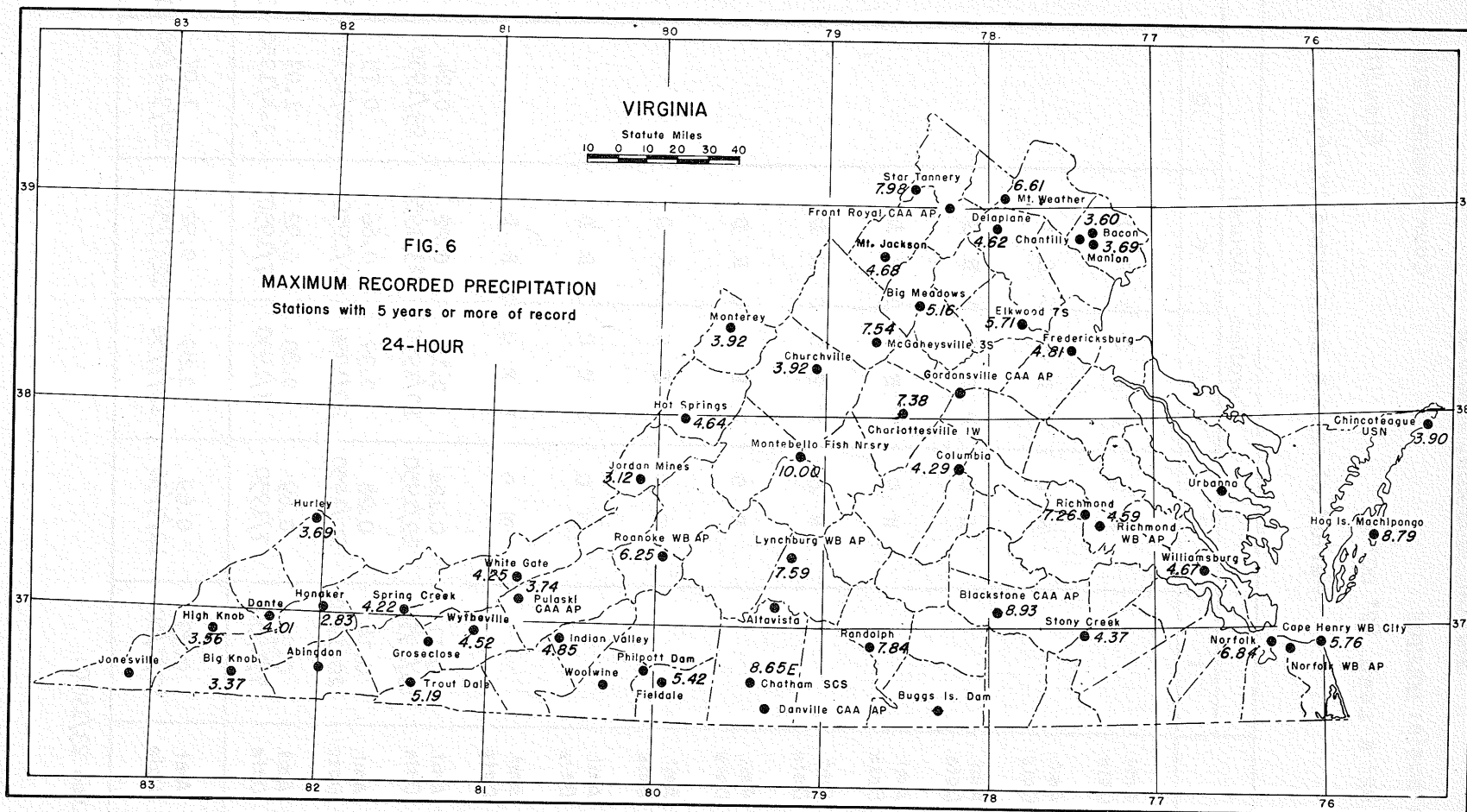
| Duration (hours) | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
|------------------|------|------|------|------|-----|------|------|------|-------|------|------|
| 1 | 0 | 0 | 0 | 1 | 0 | 8 | 13 | 14 | 5 | 1 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 7 | 13 | 15 | 6 | 1 | 0 |
| 3 | 0 | 0 | 0 | 0 | 1 | 4 | 14 | 13 | 7 | 2 | 1 |
| 6 | 0 | 0 | 0 | 0 | 2 | 4 | 12 | 13 | 5 | 5 | 1 |
| 12 | 0 | 0 | 0 | 0 | 4 | 3 | 8 | 12 | 5 | 8 | 1 |
| 24 | 0 | 1 | 0 | 0 | 3 | 3 | 6 | 13 | 5 | 11 | 0 |











Station: ABINGDON, VIRGINIA

Drainage basin: HOLSTON

County: WASHINGTON

Lat. 36° 42' N Long. 82° 00' W

Elev.(ft.) 2000

Period of record: Established 10/16/50

| Month | Amt. Date | Duration (hours) | | | | | |
|--------|-----------|------------------|------------------|-----------------|-----------------|-------------------|-------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | | N O | R E C O | R D | | |
| Feb. | Amt. Date | | N O | R E C O | R D | | |
| Mar. | Amt. Date | | N O | R E C O | R D | | |
| Apr. | Amt. Date | | N O | R E C O | R D | | |
| May | Amt. Date | | N O | R E C O | R D | | |
| Jun. | Amt. Date | | N O | R E C O | R D | | |
| Jul. | Amt. Date | | N O | R E C O | R D | | |
| Aug. | Amt. Date | | N O | R E C O | R D | | |
| Sep. | Amt. Date | | N O | R E C O | R D | | |
| Oct. | Amt. Date | 0.11 19/1950 | 0.12a 19/1950 | 0.15 19/1950 | 0.22 23/1950 | 0.24 23/1950 | 0.33 23/1950 |
| Nov. | Amt. Date | 0.18 20/1950 | 0.28 20/1950 | 0.39 20/1950 | 0.66 20/1950 | 0.75 20/1950 | 0.77 3-4/1950 |
| Dec. | Amt. Date | 0.39 7/1950 | 0.69 7/1950 | 0.89 7/1950 | 0.92 7/1950 | 1.07 3-4/1950 | 1.07 3-4/1950 |
| Annual | Amt. Date | 0.39 12/7/50 | 0.69 12/7/50 | 0.89 12/7/50 | 0.92 12/7/50 | 1.07 12/3-4/50 | 1.07 12/3-4/50 |

a. Also 23/1950.

Station: ALTAVISTA, VIRGINIA

Drainage basin: ROANOKE

County: CAMPBELL

Lat. 37° 06' N Long. 79° 18' W

Elev.(ft.) 503

Period of record: Established 8/5/50

| Month | | Duration (hours) | | | | | |
|--------|-----------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | | N O | R E C O R D | | | |
| Feb. | Amt. Date | | N O | R E C O R D | | | |
| Mar. | Amt. Date | | N O | R E C O R D | | | |
| Apr. | Amt. Date | | N O | R E C O R D | | | |
| May | Amt. Date | | N O | R E C O R D | | | |
| Jun. | Amt. Date | | N O | R E C O R D | | | |
| Jul. | Amt. Date | | N O | R E C O R D | | | |
| Aug. | Amt. Date | 1.55 23/1950 | 1.82 22-23/1950 | 1.87 22-23/1950 | 1.87 22-23/1950 | 1.87 22-23/1950 | 2.00 22-23/1950 |
| Sep. | Amt. Date | 0.81 22/1950 | 1.05 22/1950 | 1.14 22/1950 | 1.37 10/1950 | 1.40 10/1950 | 2.03 9-10/1950 |
| Oct. | Amt. Date | 0.30 23/1950 | 0.47 23/1950 | 0.64 23-24/1950 | 0.82 23-24/1950 | 0.86 23-24/1950 | 0.89 23-24/1950 |
| Nov. | Amt. Date | 0.29 24/1950 | 0.56 4/1950 | 0.70 4/1950 | 1.14 24-25/1950 | 1.27 24-25/1950 | 1.27 24-25/1950 |
| Dec. | Amt. Date | 0.73 4/1950 | 1.10 4/1950 | 1.43 4/1950 | 1.89 4/1950 | 2.32 4/1950 | 3.03 3-4/1950 |
| Annual | Amt. Date | 1.55 8/23/50 | 1.82 8/22-23/50 | 1.87 8/22-23/50 | 1.89 12/4/50 | 2.32 12/4/50 | 3.03 12/3-4/50 |

Station: BACON, VIRGINIA

Drainage basin: POTOMAC

County: FAIRFAX

Lat. 38° 52' N Long. 77° 21' W

Elev.(ft.) 380

Period of record: 1940-1949

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.36 19/1942 | 0.53 19/1942 | 0.65 1/1945 | 1.05 1/1945 | 1.40 3/1944 | 2.06 3-4/1944 |
| Feb. | Amt. Date | 0.20 18/1940 | 0.34 6/1942 | 0.47 6/1942 | 0.73 6-7/1942 | 0.90 20/1947 | 1.02 18-19/1940 |
| Mar. | Amt. Date | 0.34 2/1942 | 0.57 2/1942 | 0.81 2/1942 | 1.10 2/1942 | 1.40 2-3/1942 | 1.49 2-3/1942 |
| Apr. | Amt. Date | 0.43 26/1945 | 0.74 30/1947 | 0.80 8/1940 | 1.22 8/1940 | 2.02 8/1940 | 2.19 7-8/1940 |
| May | Amt. Date | 0.86 20/1940 | 1.09 20/1940 | 1.27 17/1947 | 1.43 17-18/1947 | 1.77 11-12/1943 | 2.09 11-12/1943 |
| Jun. | Amt. Date | 1.09 13/1941 | 1.57 13-14/1941 | 1.57 13-14/1941 | 1.57 13-14/1941 | 2.02 19-20/1948 | 2.04 19-20/1948 |
| Jul. | Amt. Date | 1.00 20/1947 | 1.46 10/1942 | 1.56 10/1942 | 1.56 10/1942 | 1.95 3/1940 | 2.50E 31-1/1948 |
| Aug. | Amt. Date | 0.94 23/1942 | 1.30 20/1947 | 1.71 17/1947 | 2.03 17/1947 | 2.06 17/1947 | 2.61 2-3/1944 |
| Sep. | Amt. Date | 1.13 25/1940 | 1.20 25/1940 | 1.28 25/1940 | 1.46 25/1940 | 1.75 25/1940 | 2.05 26-27/1942 |
| Oct. | Amt. Date | 0.68 15/1942 | 1.14 15/1942 | 1.34 15/1942 | 2.04 14/1942 | 2.45 14/1942 | 3.60 13-14/1942 |
| Nov. | Amt. Date | 0.70 6/1948 | 1.00 6/1948 | 1.22 8/1943 | 1.50 8/1943 | 1.77 8/1943 | 1.79 8/1943 |
| Dec. | Amt. Date | 0.48 13/1941 | 0.94 13/1941 | 1.18 13/1941 | 1.62 13/1941 | 1.92 13/1941 | 2.09 13-14/1941 |
| Annual | Amt. Date | 1.13 9/25/40 | 1.57 6/13-14/41 | 1.71 8/17/47 | 2.04 10/14/42 | 2.45 10/14/42 | 3.60 10/13-14/42 |

Station: BIG KNOB, VIRGINIA*

Drainage basin: HOLSTON

County: SCOTT

Lat. 36° 40'N Long. 82° 30'W

Elev.(ft.) 3150

Period of record: 1940-1950 (BREAKS)

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-------------------|-----------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.56 30/1950 | 0.87 30/1950 | 0.92 30/1950 | 1.22 15/1947 | 2.07 30/1950 | 2.99 14-15/1947 |
| Feb. | Amt. Date | 0.40 17/1945 | 0.64 9/1950 | 0.83 9/1950 | 1.33 17/1944 | 2.13 17/1944 | 2.66 17/1944 |
| Mar. | Amt. Date | 0.35 22/1948 | 0.60 17/1942 | 0.85 17/1942 | 0.97a 17/1942 | 1.22 22-23/1948 | 1.23b 7/1941 |
| Apr. | Amt. Date | 0.49 7/1948 | 0.74 7/1948 | 0.85 7/1948 | 0.96 23-24/1941 | 1.49 23-24/1941 | 1.80 23-24/1941 |
| May | Amt. Date | 0.83 12/1943 | 0.93 * 29/1948 | 1.03 29/1948 | 1.03 29/1948 | 1.54 25-26/1945 | 1.60 25-26/1945 |
| Jun. | Amt. Date | 0.68 28/1947 | 1.15 28/1947 | 1.27 28/1947 | 1.70 28/1947 | 1.84 28/1947 | 1.96 27-28/1947 |
| Jul. | Amt. Date | 0.98c 24/1940 | 1.49 17/1947 | 1.49 17/1947 | 1.61d 2-3/1941 | 2.19 5/1941 | 3.37 4-5/1941 |
| Aug. | Amt. Date | 1.54 31/1940 | 1.88 31/1940 | 1.90 31/1940 | 2.18 13/1940 | 2.85 13/1940 | 3.29 13-14/1940 |
| Sep. | Amt. Date | 0.80 2/1941 | 1.48 2/1941 | 1.57 2/1941 | 1.89 2/1941 | 2.12 28-29/1944 | 2.40 28-29/1944 |
| Oct. | Amt. Date | 0.50 15/1943 | 0.51 15/1943 | 0.62 23/1942 | 1.03 25/1946 | 1.15 30/1949 | 1.77 30-31/1949 |
| Nov. | Amt. Date | 0.61 1/1941 | 0.79 1/1941 | 0.91 1/1941 | 1.11 20/1950 | 1.20 20/1950 | 1.20 20/1950 |
| Dec. | Amt. Date | 0.39 8/1947 | 0.60 1/1942 | 0.75 1/1942 | 1.04 29/1942 | 1.43 20/1946 | 1.93 28-29/1942 |
| Annual | Amt. Date | 1.54 8/31/40 | 1.88 8/31/40 | 1.90 8/31/40 | 2.18 8/13/40 | 2.85 8/13/40 | 3.37 7/4-5/41 |

*Formerly Hilton, Virginia.

a Also 26/1945.

b Also 22-23/1948.

c Also 17/1947.

d Also 4/1941.

Station: BIG MEADOWS, VIRGINIA

Drainage basin: RAPPAHANNOCK

County: MADISON

Lat. 38° 31'N Long. 78° 26'W

Elev.(ft.) 3535

Period of record: 1943-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------|------------------|---------------------|----------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.37a 12/1950 | 0.61 12/1950 | 0.80 12/1950 | 1.15 12/1950 | 1.44 30/1950 | 1.85 30-31/1950 |
| Feb. | Amt. Date | 0.22 10/1950 | 0.33 14/1944 | 0.43 14/1944 | 0.61b 14/1944 | 0.78 1-2/1950 | 0.98 1-2/1950 |
| Mar. | Amt. Date | 0.40 20/1950 | 0.60c 31/1948 | 0.80 20/1950 | 1.26 31/1948 | 1.76 31-1/1948 | 1.87 31-1/1948 |
| Apr. | Amt. Date | 0.55 27/1948 | 0.69 27/1948 | 0.73 27/1948 | 1.02 19/1943 | 1.76 31-1/1948 | 2.35 18-19/1943 |
| May | Amt. Date | 0.83 18/1945 | 1.16 18/1945 | 1.40 31/1950 | 1.69 18/1945 | 2.39 6/1944 | 2.85 6/1944 |
| Jun. | Amt. Date | 1.16 15/1943 | 1.22 15/1943 | 1.22 15/1943 | 1.85 17/1949 | 3.26 17/1949 | 5.16 16-17/1949 |
| Jul. | Amt. Date | 1.41 5/1950 | 1.50 5/1950 | 1.51 5/1950 | 1.61 7-8/1949 | 1.83 7-8/1949 | 2.76 28-29/1945 |
| Aug. | Amt. Date | 1.96 16/1944 | 2.45 16/1944 | 2.46 16/1944 | 2.46 16/1944 | 2.59 2/1944 | 3.35 2/1944 |
| Sep. | Amt. Date | 0.78 3/1943 | 1.12 3/1943 | 1.23 3/1943 | 1.68 18/1944 | 2.94 18/1944 | 4.83 17-18/1945 |
| Oct. | Amt. Date | 1.24 17/1947 | 2.07 17/1947 | 2.40 17/1947 | 2.53 17/1947 | 3.07 20/1944 | 3.50 20-21/1944 |
| Nov. | Amt. Date | 1.07 25/1950 | 1.81 25/1950 | 2.63 25/1950 | 3.94 24-25/1950 | 4.44e 24-25/1950 | 4.66 24-25/1950 |
| Dec. | Amt. Date | 0.91 4/1950 | 1.58 4/1950 | 2.21 4/1950 | 3.02 3-4/1950 | 3.47 3-4/1950 | 4.08 3-4/1950 |
| Annual | Amt. Date | 1.96 8/16/44 | 2.45 8/16/44 | 2.63 11/25/50 | 3.94 11/24-25/50 | 4.44e 11/24-25/50 | 5.16 6/16-17/49 |

a Also 30/1950.

b Also 1-2/1950.

c Also 20/1950.

Station: BLACKSTONE CAA APT, VIRGINIA*

Drainage basin: NOTTOWAY

County: NOTTOWAY

Lat. 37° 04'N Long. 77° 57'W

Elev.(ft) 440

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.40 19/1942 | 0.65 13/1948 | 0.81 13/1948 | 1.18 13/1948 | 1.53 13/1948 | 1.94 12-13/1948 |
| Feb. | Amt. Date | 0.30a 13/1945 | 0.44 13/1945 | 0.64 13/1945 | 0.96 13/1945 | 1.71 13/1945 | 1.76 13/1945 |
| Mar. | Amt. Date | 0.49 27/1943 | 0.79 27/1943 | 1.08 27/1943 | 1.35 27-28/1943 | 1.54 6/1943 | 1.57 6/1943 |
| Apr. | Amt. Date | 0.86 8/1946 | 1.41 8/1946 | 1.67 19/1940 | 2.04 19/1940 | 2.13 19-20/1940 | 2.61 11-12/1944 |
| May | Amt. Date | 1.05 20/1940 | 1.29 20/1940 | 1.43 20-21/1943 | 1.97 26/1945 | 3.24 26/1945 | 3.83 26-27/1945 |
| Jun. | Amt. Date | 1.46 28/1947 | 1.58 28/1947 | 1.58b 1/1941 | 2.03 1/1941 | 2.03 1/1941 | 2.05 1-2/1941 |
| Jul. | Amt. Date | 3.20 7/1943 | 3.73 7/1943 | 3.81 7/1943 | 3.81 7/1943 | 5.00 17-18/1945 | 5.51 17-18/1945 |
| Aug. | Amt. Date | 1.75 28/1949 | 2.13 28/1949 | 2.26 28/1949 | 3.75 14-15/1940 | 6.67 14-15/1940 | 8.93 14-15/1940 |
| Sep. | Amt. Date | 0.87 4/1943 | 1.24 24/1947 | 1.84 24/1947 | 2.88 24-25/1947 | 3.86 24-25/1947 | 4.82 24-25/1947 |
| Oct. | Amt. Date | 0.50 30/1949 | 0.74 30/1949 | 0.88 23/1945 | 1.20 23/1945 | 1.84 4-5/1948 | 2.13 4-5/1948 |
| Nov. | Amt. Date | 0.64 8/1943 | 0.91 3/1947 | 1.10 3/1947 | 1.65 3/1947 | 1.87 2-3/1947 | 2.15 2-3/1947 |
| Dec. | Amt. Date | 0.53 4/1950 | 0.72 4/1950 | 0.86 4/1950 | 1.14 29-30/1948 | 1.42 26/1943 | 1.69 29-30/1948 |
| Annual | Amt. Date | 3.20 7/7/43 | 3.73 7/7/43 | 3.81 7/7/43 | 3.81 7/7/43 | 6.67 8/14-15/40 | 8.93 8/14-15/40 |

*Formerly Crewe, Virginia.

a Also 7/1949.

b Also 28/1947.

Station: BUGGS ISLAND DAM, VIRGINIA

Drainage basin: ROANOKE

County: MECKLENBURG

Lat. 36° 36'N Long. 78° 18'W

Elev.(ft) 326

Period of record: 1948-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.30 5/1949 | 0.35 5/1949 | 0.39 5/1949 | 0.66 5-6/1949 | 0.74 21/1949 | 0.86 30-31/1949 |
| Feb. | Amt. Date | 0.25 23/1950 | 0.38 23/1950 | 0.39 23/1950 | 0.68 10/1949 | 1.16 9-10/1949 | 1.34 9-10/1949 |
| Mar. | Amt. Date | 0.28 18/1949 | 0.40 22/1950 | 0.61 22/1950 | 0.70 22/1950 | 0.75 18/1949 | 0.84 22/1950 |
| Apr. | Amt. Date | 0.44 30/1950 | 0.64 22/1949 | 0.82 30/1950 | 1.02 22/1949 | 1.07 22/1949 | 1.07a 22/1949 |
| May | Amt. Date | 0.52 29/1950 | 0.75 2/1949 | 0.89 2/1949 | 0.90 2/1949 | 1.37 10-11/1949 | 1.57 10-11/1949 |
| Jun. | Amt. Date | 0.98 17/1949 | 1.05 17/1949 | 1.07 17/1949 | 1.09 17/1949 | 1.10 17/1949 | 1.19 16-17/1949 |
| Jul. | Amt. Date | 1.08 21/1950 | 1.24 21/1950 | 1.24 21/1950 | 1.24 21/1950 | 1.24 21/1950 | 1.45 20-21/1950 |
| Aug. | Amt. Date | 1.67 28/1949 | 1.90 28/1949 | 2.03 28/1949 | 2.44 28/1949 | 2.46 28/1949 | 2.46 28/1949 |
| Sep. | Amt. Date | 0.61 12/1950 | 0.82 12/1950 | 1.00 12/1950 | 1.42 12/1950 | 2.01 12/1950 | 2.03 12-13/1950 |
| Oct. | Amt. Date | 0.32 28/1949 | 0.50 28/1949 | 0.63 28/1949 | 1.08 28/1949 | 1.62 4-5/1948 | 1.94 4-5/1948 |
| Nov. | Amt. Date | 0.78 6/1948 | 0.95 6/1948 | 0.96 6/1948 | 1.24 28/1948 | 1.57 28/1948 | 1.72 28/1948 |
| Dec. | Amt. Date | 0.46 29/1948 | 0.55 29-30/1948 | 0.82 29-30/1948 | 1.19 29-30/1948 | 1.39 29-30/1948 | 1.55 29-30/1948 |
| Annual | Amt. Date | 1.67 8/28/49 | 1.90 8/28/49 | 2.03 8/28/49 | 2.44 8/28/49 | 2.46 8/28/49 | 2.46 8/28/49 |

a Also 29-30/1950.

Station: CAPE HENRY WB CITY, VIRGINIA

Drainage basin: ATLANTIC

County: PRINCESS ANNE

Lat. 36° 56'N Long. 76° 00'W

Elev.(ft.) 16

Period of record: 1940-1950 ONLY*

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------------------|-----------------|-----------------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.41 13/1948 | 0.74 13/1948 | 0.98 13/1948 | 1.34 13/1948 | 1.73 3/1944 | 1.99 2-3/1944 |
| Feb. | Amt. Date | 0.48 17/1942 | 0.71 ^a 17/1942 | 0.78 17/1942 | 1.12 16-17/1942 | 1.39 16-17/1942 | 1.65 16-17/1942 |
| Mar. | Amt. Date | 0.69 23/1949 | 1.03 29/1942 | 1.21 29/1942 | 1.26 ^b 2/1942 | 1.48 2/1942 | 2.05 28-29/1942 |
| Apr. | Amt. Date | 0.66 19/1943 | 0.84 19/1943 | 0.89 12/1940 | 1.55 12/1940 | 1.76 12-13/1940 | 1.77 12-13/1940 |
| May | Amt. Date | 1.68 2/1942 | 1.71 2/1942 | 1.88 2/1942 | 1.88 2/1942 | 1.88 2/1942 | 1.88 2/1942 |
| Jun. | Amt. Date | 1.38 14/1941 | 1.55 24/1941 | 1.63 24/1941 | 2.10 25-26/1945 | 3.45 25-26/1945 | 3.94 25-26/1945 |
| Jul. | Amt. Date | 1.89 15/1950 | 2.31 15/1950 | 2.36 15/1950 | 2.63 16/1945 | 4.30 16-17/1945 | 5.03 16-17/1945 |
| Aug. | Amt. Date | 2.52 28/1947 | 3.89 28/1947 | 4.18 28/1947 | 4.37 28/1947 | 4.46 28/1947 | 5.17 15-16/1949 |
| Sep. | Amt. Date | 2.06 27/1942 | 2.30 27/1942 | 2.32 27/1942 | 2.36 14/1944 | 2.42 14/1944 | 3.01 14-15/1942 |
| Oct. | Amt. Date | 0.79 25/1943 | 1.48 28/1941 | 1.78 28/1941 | 2.25 28/1941 | 2.31 27-28/1941 | 2.60 30-1/1943 |
| Nov. | Amt. Date | 0.67 12/1940 | 1.00 12/1940 | 1.10 12/1940 | 1.50 14/1945 | 1.95 14/1945 | 2.53 12-13/1940 |
| Dec. | Amt. Date | 1.04 5/1941 | 1.17 5/1941 | 1.18 5/1941 | 1.18 5/1941 | 1.36 30/1948 | 1.68 30/1948 |
| Annual | Amt. Date | 2.52 8/28/47 | 3.89 8/28/47 | 4.18 8/28/47 | 4.37 8/28/47 | 4.46 8/28/47 | 5.17 8/15-16/49 |

*Given for comparative purposes. See next page for complete record.
September 1-, and 2-hr are true maxima.

a Also 20/1947.

b Also 28-29/1942.

Station: CAPE HENRY WB CITY, VIRGINIA

Drainage basin: ATLANTIC

County: PRINCESS ANNE

Lat. 36° 56'N Long. 76° 00'W

Elev.(ft.) 16

Period of record: 1902-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|-----------------|------------------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.85 2/1925 | 1.14 11/1922 | 1.36 11/1922 | 1.64 11/1922 | 2.10 19/1936 | 2.18 19/1936 |
| Feb. | Amt. Date | 0.68 21/1939 | 0.89 13/1936 | 1.18 5/1920 | 1.89 5/1920 | 2.20 5/1920 | 2.74 3-4/1920 |
| Mar. | Amt. Date | 0.95 28/1922 | 1.29 28/1934 | 1.59 28/1934 | 2.08 28/1934 | 2.13 28/1934 | 2.45 16-17/1923 |
| Apr. | Amt. Date | 1.24 18/1939 | 1.55 9/1932 | 1.66 9/1932 | 1.96 9/1932 | 2.16 8-9/1938 | 2.90 28-29/1923 |
| May | Amt. Date | 2.17 29/1929 | 2.54 29/1929 | 2.55 29/1929 | 2.67 ^a 29/1929 | 2.68 24/1938 | 3.17 28-29/1929 |
| Jun. | Amt. Date | 1.78 30/1939 | 2.09 8/1930 | 2.53 8/1930 | 3.12 8/1930 | 3.53 8/1930 | 3.94 25-26/1945 |
| Jul. | Amt. Date | 3.78 30/1921 | 4.32 30/1921 | 4.37 30/1921 | 4.41 30/1921 | 4.41 30/1921 | 5.76 4-5/1922 |
| Aug. | Amt. Date | 2.52 28/1947 | 3.89 28/1947 | 4.18 28/1947 | 4.37 28/1947 | 4.46 28/1947 | 5.17 15-16/1949 |
| Sep. | Amt. Date | 2.06 27/1942 | 2.30 27/1942 | 2.71 18/1936 | 3.46 18/1936 | 3.73 18/1936 | 4.85 20-21/1938 |
| Oct. | Amt. Date | 1.58 1/1936 | 2.42 1/1939 | 2.73 1/1939 | 2.89 1/1939 | 3.52 1-2/1939 | 3.76 1-2/1939 |
| Nov. | Amt. Date | 1.20 3/1927 | 1.62 16/1926 | 1.85 16/1926 | 2.31 16/1926 | 2.82 12-13/1937 | 3.39 12-13/1937 |
| Dec. | Amt. Date | 1.19 5/1912 | 2.00 5/1912 | 2.56 5/1912 | 3.14 4-5/1912 | 3.17 4-5/1912 | 3.17 4-5/1912 |
| Annual | Amt. Date | 3.78 7/30/21 | 4.32 7/30/21 | 4.37 7/30/21 | 4.41 7/30/21 | 4.46 8/28/47 | 5.76 7/4-5/22 |

All 1-, and 2-hr except July and August and March, May, October, November, and December 24-hr are true maxima.

^a Also 24/1938.

Station: CHANTILLY, VIRGINIA

Drainage basin: POTOMAC

County: FAIRFAX

Lat. 38° 53' N Long. 77° 26' W

Elev.(ft.) 320

Period of record: Established 8/5/50

| Month | Amt. Date | Duration (hours) | | | | | |
|--------|-----------|------------------|-----------------|-----------------|-----------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | | N O | R E C | O R D | | |
| Feb. | Amt. Date | | N O | R E C | O R D | | |
| Mar. | Amt. Date | | N O | R E C | O R D | | |
| Apr. | Amt. Date | | N O | R E C | O R D | | |
| May | Amt. Date | | N O | R E C | O R D | | |
| Jun. | Amt. Date | | N O | R E C | O R D | | |
| Jui. | Amt. Date | | N O | R E C | O R D | | |
| Aug. | Amt. Date | 0.42 29/1950 | 0.74 19/1950 | 0.76 19/1950 | 1.18 19/1950 | 1.39 19-20/1950 | 1.39 19-20/1950 |
| Sep. | Amt. Date | 1.00 10/1950 | 1.50 10/1950 | 1.72 10/1950 | 2.32 10/1950 | 2.51 10/1950 | 2.59 9-10/1950 |
| Oct. | Amt. Date | 0.35 23/1950 | 0.62 23/1950 | 0.77 23/1950 | 1.04 23/1950 | 1.28 22-23/1950 | 1.37 22-23/1950 |
| Nov. | Amt. Date | 0.66 25/1950 | 0.90 25/1950 | 1.07 25/1950 | 1.41 25/1950 | 1.94 24-25/1950 | 2.06 24-25/1950 |
| Dec. | Amt. Date | 0.60 4/1950 | 0.86 4/1950 | 1.11 4/1950 | 1.42 4/1950 | 1.64 3-4/1950 | 1.81 3-4/1950 |
| Annual | Amt. Date | 1.00 9/10/50 | 1.50 9/10/50 | 1.72 9/10/50 | 2.32 9/10/50 | 2.51 9/10/50 | 2.59 9/9-10/50 |

Station: CHARLOTTESVILLE 1W, VIRGINIA*

Drainage basin: RIVANNA

County: ALBEMARLE

Lat. 38° 02' N Long. 78° 30' W

Elev.(ft.) 535

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------|-------------------------------|-------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.33E 28/1943 | 0.57E 28/1943 | 0.76E 28/1943 | 1.14E 28/1943 | 1.81E 28/1943 | 2.16 27-28/1943 |
| Feb. | Amt. Date | 0.32 10/1946 | 0.38a 10/1946 | 0.50E ^b 20/1947 | 0.86 19/1946 | 1.22E 20/1947 | 1.53E 20/1947 |
| Mar. | Amt. Date | 0.63 31/1948 | 0.97 23/1948 | 1.21 31/1948 | 1.86 31/1948 | 2.49 31-1/1948 | 3.00 31-1/1948 |
| Apr. | Amt. Date | 0.43 25/1945 | 0.62 25/1945 | 0.70 2/1947 | 1.47 31-1/1948 | 2.49 31-1/1948 | 3.00 31-1/1948 |
| May | Amt. Date | 1.40 31/1948 | 1.60 31/1948 | 1.65 31/1948 | 1.79 31/1948 | 1.87 31/1948 | 2.20 15-16/1942 |
| Jun. | Amt. Date | 1.73 10/1944 | 1.76 10/1944 | 1.76 10/1944 | 1.76 10/1944 | 2.40 14/1947 | 2.56 13-14/1947 |
| Jul. | Amt. Date | 1.80 14/1948 | 2.20 14/1948 | 2.40 14/1948 | 2.54 14/1948 | 2.64 30-31/1944 | 2.64 30-31/1944 |
| Aug. | Amt. Date | 0.79 7/1944 | 1.38 22/1946 | 1.38 22/1946 | 1.74 1/1948 | 2.32 8/1942 | 3.50 8/1942 |
| Sep. | Amt. Date | 1.39 18/1944 | 1.91 12/1950 | 2.08 18/1944 | 3.21 18/1944 | 4.92 17-18/1944 | 7.38 18-19/1944 |
| Oct. | Amt. Date | 0.91 13/1942 | 1.63 15/1942 | 1.93 15/1942 | 2.14 15/1942 | 3.05 14/1942 | 5.26 14-15/1942 |
| Nov. | Amt. Date | 0.39 8/1943 | 0.62 8/1947 | 0.97 8/1947 | 1.28 8/1947 | 1.32 8/1947 | 1.33 2-3/1947 |
| Dec. | Amt. Date | 0.49 4/1950 | 0.75 4/1950 | 1.05 4/1950 | 1.94 3-4/1950 | 2.28 3-4/1950 | 2.43 3-4/1950 |
| Annual | Amt. Date | 1.80 7/14/48 | 2.20 7/14/48 | 2.40 7/14/48 | 3.21 9/18/44 | 4.92 9/17-18/44 | 7.38 9/18-19/44 |

*Formerly Earlysville, Virginia

a Also 19/1946.

b Also 19/1946.

Station: CHATHAM SCS, VIRGINIA

Drainage basin: BANNISTER

County: PITTSYLVANIA

Lat. 36° 45'N Long. 79° 25'W

Elev.(ft.) 852

Period of record: 1940-1950

| Month | Amt. Date | Duration (hours) | | | | | |
|--------|-----------------|------------------|-----------------|------------------|---------------------|---------------------|----|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | 0.70 1/1945 | 1.25 1/1945 | 1.45 1/1945 | 1.57 1/1945 | 1.73 2-3/1944 | 1.94 2-3/1944 | |
| Feb. | 0.35 11/1943 | 0.45 11/1943 | 0.59 19/1946 | 0.92 12/1945 | 1.42 12/1945 | 1.63 10/1946 | |
| Mar. | 0.75 20/1943 | 0.91 20/1943 | 1.12 20/1943 | 1.28 20/1943 | 1.41 6/1943 | 1.66 31-1/1948 | |
| Apr. | 0.84 30/1946 | 1.00 24/1944 | 1.10 24/1944 | 1.18 24/1944 | 1.50 19/1943 | 1.84 18-19/1943 | |
| May | 1.20 24/1944 | 1.45 24/1944 | 2.15 24/1944 | 2.30 24/1944 | 2.50 24-25/1944 | 2.50 24-25/1944 | |
| Jun. | 1.21 4/1942 | 1.47 28/1946 | 1.50 28/1946 | 1.50 28/1946 | 1.52 13/1949 | 1.90 4-5/1942 | |
| Jul. | 1.35 8/1944 | 1.65 19/1944 | 1.97 2/1946 | 2.22 1-2/1946 | 3.06 9-10/1946 | 3.09 9-10/1946 | |
| Aug. | 2.30 7/1944 | 2.30 7/1944 | 2.38 14/1940 | 3.21 14/1940 | 5.37 14/1940 | 7.67 13-14/1940 | |
| Sep. | 2.94 18/1944 | 4.33 18/1944 | 4.89 18/1944 | 6.06 18/1944 | 7.19E 18-19/1944 | 8.65E 18-19/1944 | |
| Oct. | 0.98 18/1947 | 1.07 18/1947 | 1.33 28/1949 | 1.85 28/1949 | 1.92 28/1949 | 2.18 20/1944 | |
| Nov. | 0.63 1/1940 | 1.09 1/1940 | 1.19 1/1940 | 1.55 2-3/1947 | 1.97 2-3/1947 | 2.08 2-3/1947 | |
| Dec. | 0.82 5/1941 | 0.84 4-5/1941 | 0.97 29/1942 | 1.34 29/1942 | 1.60 31-1/1944 | 1.81 4-5/1941 | |
| Annual | 2.94 9/18/44 | 4.33 9/18/44 | 4.89 9/18/44 | 6.06 9/18/44 | 7.19E 9/18-19/44 | 8.65E 9/18-19/44 | |

Station: CHINCOTEAGUE USN, VIRGINIA*

Drainage basin: ATLANTIC

County: ACCOMACK

Lat. 37° 56' N Long. 75° 26' W

Elev.(ft.) 26

Period of record: 1941-1950 (Breaks)

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.48 3/1944 | 0.78 3/1944 | 1.05 3/1944 | 1.47 3/1944 | 2.05 3/1944 | 2.37 2-3/1944 |
| Feb. | Amt. Date | 0.38 6/1943 | 0.63 6/1943 | 0.78 6/1943 | 1.10 5-6/1943 | 1.26 5-6/1943 | 1.26 5-6/1943 |
| Mar. | Amt. Date | 0.76 29/1942 | 1.21 29/1942 | 1.47 29/1942 | 1.69 29/1942 | 2.05 29/1942 | 2.11 28-29/1942 |
| Apr. | Amt. Date | 0.95 24/1944 | 1.22 24/1944 | 1.23 24/1944 | 1.30 24/1944 | 1.35 24-25/1944 | 1.44 23-24/1944 |
| May | Amt. Date | 0.76 21/1943 | 0.87 21/1943 | 0.87 21/1943 | 0.87 21/1943 | 0.87 21/1943 | 1.10 20-21/1943 |
| Jun. | Amt. Date | 1.14 11/1945 | 1.80 11/1945 | 1.90 10-11/1945 | 1.91 29/1945 | 2.20 25-26/1945 | 2.35 10-11/1945 |
| Jul. | Amt. Date | 1.18 16/1945 | 1.40 16/1945 | 2.08 16/1945 | 2.91 16-17/1945 | 3.52 16-17/1945 | 3.90 16/1945 |
| Aug. | Amt. Date | 1.00 14/1942 | 1.16 14/1942 | 1.16 14/1942 | 1.19 14/1942 | 1.55 17-18/1942 | 1.96 17-18/1942 |
| Sep. | Amt. Date | 1.02 27/1942 | 1.13 21/1950 | 1.25 14/1944 | 1.98 14/1944 | 2.07 14/1944 | 2.15 14-15/1944 |
| Oct. | Amt. Date | 0.60 28/1943 | 1.10 28/1943 | 1.65 28/1943 | 2.73 27-28/1943 | 3.00 27-28/1943 | 3.00 27-28/1943 |
| Nov. | Amt. Date | 0.33 27/1944 | 0.61 5/1943 | 0.88 5/1943 | 1.26 5/1943 | 1.66 14/1945 | 1.79 14-15/1945 |
| Dec. | Amt. Date | 0.44 15/1947 | 0.56 ^a 15/1947 | 0.72 7/1950 | 0.91 13/1941 | 1.14 30/1948 | 1.36 30-31/1948 |
| Annual | Amt. Date | 1.18 7/16/45 | 1.80 6/11/45 | 2.08 7/16/45 | 2.91 7/16-17/45 | 3.52 7/16-17/45 | 3.90 7/16/45 |

* Formerly Assateague Island, Virginia. a Also 7/1950.

Station: CHURCHVILLE, VIRGINIA

Drainage basin: SHENANDOAH

County: AUGUSTA

Lat. 38° 14' N Long. 79° 10' W

Elev.(ft.) 1475

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.30 7/1946 | 0.40 7/1946 | 0.48 14/1940 | 0.75 31/1949 | 1.01E 31-1/1948 | 1.40 30-31/1950 |
| Feb. | Amt. Date | 0.27 22/1944 | 0.34 19/1946 | 0.48 19/1946 | 0.68 19/1946 | 1.01 31-1/1948 | 1.14 20-21/1947 |
| Mar. | Amt. Date | 0.52 27/1950 | 0.54 27-28/1950 | 0.78 27-28/1950 | 1.00 31/1948 | 1.23 12-13/1943 | 1.46 23/1948 |
| Apr. | Amt. Date | 0.63a 26/1948 | 0.84 13/1949 | 0.93 13/1949 | 1.12 4-5/1941 | 1.56 4-5/1941 | 1.74 4-5/1941 |
| May | Amt. Date | 0.94 15/1949 | 1.39 18/1945 | 1.45 18/1945 | 1.64 15-16/1942 | 2.10b 15-16/1942 | 2.51 17-18/1945 |
| Jun. | Amt. Date | 1.83 12/1947 | 1.99 26/1942 | 2.30 26/1942 | 3.00 26/1942 | 3.00 26/1942 | 3.87 17-18/1949 |
| Jul. | Amt. Date | 1.29 31/1940 | 1.48 31/1940 | 1.80 12/1943 | 2.00 12/1943 | 2.20 8-9/1947 | 2.20 8-9/1947 |
| Aug. | Amt. Date | 1.07 7/1944 | 1.54 13/1944 | 1.58 13/1944 | 1.68 28/1949 | 2.05 28-29/1949 | 3.64 7-8/1942 |
| Sep. | Amt. Date | 0.66 29/1946 | 0.83 27/1942 | 1.07 14/1945 | 1.58 13-14/1945 | 2.39 13-14/1945 | 3.18 18-19/1944 |
| Oct. | Amt. Date | 0.89 15/1942 | 1.59 15/1942 | 1.86 15/1942 | 2.66 15/1942 | 3.07 15/1942 | 3.92 14-15/1942 |
| Nov. | Amt. Date | 0.52 24/1950 | 0.70 24/1950 | 0.91 24/1950 | 1.23E 24-25/1950 | 1.95 3/1947 | 2.49 2-3/1947 |
| Dec. | Amt. Date | 0.39 23/1941 | 0.62 4/1950 | 0.82 4/1950 | 1.29 3-4/1950 | 1.40 3-4/1950 | 1.75 3-4/1948 |
| Annual | Amt. Date | 1.83 6/12/47 | 1.99 6/26/42 | 2.30 6/26/42 | 3.00 6/26/42 | 3.07 10/15/42 | 3.92 10/14-15/42 |

a Also 13/1949. b Also 21-22/1942.

Station: COLUMBIA, VIRGINIA

Drainage basin: JAMES

County: GOOCHLAND

Lat. 37° 46'N Long. 78° 09'W

Elev.(ft.) 300

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|--------------------|--------------------|-------------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.87 24/1940 | 1.06 1/1945 | 1.24 1/1945 | 1.38 1/1945 | 1.96 21/1949 | 2.16 21-22/1949 |
| Feb. | Amt. Date | 0.30a 10/1946 | 0.48 19/1946 | 0.64 19/1946 | 1.02 19/1946 | 1.27E 20/1947 | 1.53E 20-21/1947 |
| Mar. | Amt. Date | 0.96 22/1949 | 1.57 22-23/1949 | 1.72 22-23/1949 | 1.91 31-1/1948 | 2.29 31-1/1948 | 2.70 31-1/1948 |
| Apr. | Amt. Date | 0.78 12/1948 | 1.17 1/1948 | 1.57 31-1/1948 | 1.91 31-1/1948 | 2.29 31-1/1948 | 2.70 31-1/1948 |
| May | Amt. Date | 0.92 15/1945 | 1.80 15/1945 | 1.84 15/1945 | 1.86 15/1945 | 1.86 15/1945 | 1.86 15/1945 |
| Jun. | Amt. Date | 1.12 27/1948 | 1.15 13/1941 | 1.69 22/1949 | 1.69 22/1949 | 1.69b 22/1949 | 1.92 26-27/1942 |
| Jul. | Amt. Date | 1.62 12/1943 | 2.35 12/1943 | 2.80 12/1943 | 2.85 12/1943 | 2.86 15/1945 | 3.10 14-15/1945 |
| Aug. | Amt. Date | 1.30 12/1941 | 1.55 15/1949 | 1.95 15/1949 | 2.14 15/1949 | 3.12 15/1940 | 4.29 14-15/1940 |
| Sep. | Amt. Date | 1.11 6/1949 | 1.56 9/1950 | 1.74 9/1950 | 2.31 9/1950 | 3.05 9/1950 | 3.43 9-10/1950 |
| Oct. | Amt. Date | 0.40 28/1949 | 0.60 28/1949 | 0.87 28/1949 | 1.18 20/1944 | 1.62 29-30/1949 | 2.18 4-5/1948 |
| Nov. | Amt. Date | 0.77 8/1943 | 1.00 8/1943 | 1.48 8/1943 | 1.65 8/1943 | 1.87 8/1943 | 1.94 8/1943 |
| Dec. | Amt. Date | 0.47 4/1941 | 0.90 3/1948 | 1.29 3/1948 | 1.98 3-4/1948 | 2.63 3-4/1948 | 3.34 3-4/1948 |
| Annual | Amt. Date | 1.62 7/12/43 | 2.35 7/12/43 | 2.80 7/12/43 | 2.85 7/12/43 | 3.12 8/15/40 | 4.29 8/14-15/40 |

a Also 19/1946.

b Also 26-27/1942.

Station: DANTE, VIRGINIA

Drainage basin: CLINCH

County: RUSSELL

Lat. 36° 59'N Long. 82° 18'W

Elev.(ft.) 1765

Period of record: 1940-1950 (BREAKS)

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|-----------------|-----------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.51 7/1946 | 0.80 7/1946 | 1.00 7/1946 | 1.34 7/1946 | 1.93 7/1946 | 2.59 7/1946 |
| Feb. | Amt. Date | 0.44 17/1945 | 0.63 17/1945 | 0.72 17/1945 | 1.19 17/1944 | 1.83 17/1944 | 1.88 17/1944 |
| Mar. | Amt. Date | 0.80 29/1946 | 1.01 29/1946 | 1.15 17/1942 | 1.28 13/1943 | 1.36 17-18/1949 | 1.45 17-18/1949 |
| Apr. | Amt. Date | 0.37 11/1944 | 0.69 11/1944 | 0.76 11/1944 | 0.99 17/1945 | 1.21 18-19/1943 | 1.60 18-19/1943 |
| May | Amt. Date | 0.92 11/1950 | 0.98 11/1950 | 1.34 11/1950 | 1.53 11/1950 | 1.90 10/1949 | 2.11 10-11/1949 |
| Jun. | Amt. Date | 1.64 28/1949 | 1.82 15/1943 | 1.82 15/1943 | 1.85 15/1943 | 1.90 15/1943 | 2.77 15-16/1943 |
| Jul. | Amt. Date | 1.19 7/1949 | 1.89 14/1947 | 2.30 14/1947 | 3.28 14/1947 | 3.31 14/1947 | 3.78 13-14/1947 |
| Aug. | Amt. Date | 2.14 15/1949 | 2.78 15/1949 | 2.89 15/1949 | 2.94 15/1949 | 3.20 27/1944 | 4.01 26-27/1944 |
| Sep. | Amt. Date | 0.84 12/1950 | 0.93 12/1950 | 1.10 29/1944 | 1.88 29/1944 | 2.39 28-29/1944 | 2.52 28-29/1944 |
| Oct. | Amt. Date | 0.57 5/1942 | 1.05 5/1942 | 1.46 5/1942 | 1.75 5/1942 | 1.85 5/1942 | 1.85 5/1942 |
| Nov. | Amt. Date | 0.44a 24/1949 | 0.58 24/1949 | 0.89 24/1949 | 1.12 24/1949 | 1.40 28/1948 | 1.95 28-29/1948 |
| Dec. | Amt. Date | 0.38 7/1950 | 0.70 1/1942 | 1.02 1/1942 | 1.46 1/1942 | 1.80 1/1942 | 2.31 2-3/1948 |
| Annual | Amt. Date | 2.14 8/15/49 | 2.78 8/15/49 | 2.89 8/15/49 | 3.28 7/14/47 | 3.31 7/14/47 | 4.01 8/26-27/44 |

a Also 29/1949.

Station: DELAPLANE, VIRGINIA

Drainage basin: POTOMAC

County: FAUQUIER

Lat. 38° 55' N Long. 77° 56' W

Elev.(ft.) 500

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|---------------------|--------------------|---------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.38 19/1942 | 0.41 19/1942 | 0.45a 1/1948 | 0.76 31/1949 | 1.18 28/1943 | 2.10E 2-3/1944 |
| Feb. | Amt. Date | 0.26 20/1947 | 0.41b 6/1942 | 0.61 20/1947 | 1.09 6-7/1942 | 1.39c 18-19/1940 | 1.62 18-19/1940 |
| Mar. | Amt. Date | 0.40 30/1940 | 0.52 30/1946 | 0.68 2/1942 | 0.95 2-3/1942 | 1.30 2-3/1942 | 2.02E 28-29/1942 |
| Apr. | Amt. Date | 0.60 13/1949 | 0.68 13/1949 | 0.71d 25/1945 | 1.23 5/1941 | 1.74 4-5/1941 | 2.14 18-19/1943 |
| May | Amt. Date | 1.10 26/1940 | 1.71 26/1940 | 1.94 26/1940 | 1.97 26-27/1940 | 1.98 26-27/1940 | 2.33 26-27/1940 |
| Jun. | Amt. Date | 1.71 28/1947 | 2.02 19/1945 | 2.06 19/1945 | 2.11 1/1944 | 2.11 1/1944 | 3.24 22/1942 |
| Jul. | Amt. Date | 1.75 30/1945 | 1.95 31/1945 | 2.10 31/1945 | 2.27 31-1/1945 | 2.29 31-1/1945 | 2.87 13-14/1948 |
| Aug. | Amt. Date | 2.19 3/1948 | 2.34 3/1948 | 2.46 3/1948 | 2.73 3/1948 | 2.88 1-2/1946 | 3.11 1-2/1946 |
| Sep. | Amt. Date | 0.82e 3/1943 | 1.27f 3/1943 | 1.67 2/46 | 1.89 21/46 | 2.94 20-21/1946 | 3.55 17-18/1945 |
| Oct. | Amt. Date | 1.39 7/1944 | 1.93 7/1944 | 1.94g 14-15/1942 | 2.36 14-15/1942 | 3.01 14-15/1942 | 4.62 14-15/1942 |
| Nov. | Amt. Date | 0.60 25/1950 | 1.10 25/1950 | 1.38 25/1950 | 2.17 25/1950 | 2.71 24-25/1950 | 2.71 24-25/1950 |
| Dec. | Amt. Date | 0.83 4/1950 | 1.36 4/1950 | 1.80 4/1950 | 2.72 4/1950 | 3.38 3-4/1950 | 3.45 3-4/1950 |
| Annual | Amt. Date | 2.19 8/3/48 | 2.34 8/3/48 | 2.46 8/3/48 | 2.73 8/3/48 | 3.38 12/3-4/50 | 4.62 10/14-15/42 |

a Also 31/1949.

b Also 20/1947.

c Also 20/1947.

d Also 13/1949.

e Also 1/1944.

f Also 21/1946.

g Also 7/1944.

Station: ELKWOOD 7S, VIRGINIA

Drainage basin: RAPPAHANNOCK

County: CULPEPER

Lat. 38° 26'N Long. 77° 46'W

Elev.(ft.) 314

Period of record: 1941-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------|-------------------|---------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.26 28/1943 | 0.47 21/1949 | 0.66 21/1949 | 1.11 21/1949 | 1.45 12-13/1948 | 1.91 12-13/1948 |
| Feb. | Amt. Date | 0.25a 6/1942 | 0.43 24/1943 | 0.57bE 19/1946 | 0.86E 19/1946 | 1.00E 19/1946 | 1.13 20-21/1947 |
| Mar. | Amt. Date | 0.56 30/1946 | 0.80 30/1946 | 0.95 22/1950 | 1.29c 22-23/1949 | 1.55a 31-1/1948 | 2.00 31-1/1948 |
| Apr. | Amt. Date | 1.07 27/1950 | 1.76 27/1950 | 1.80 27/1950 | 1.89 27-28/1950 | 1.91 27-28/1950 | 2.00 31-1/1948 |
| May | Amt. Date | 1.16 17/1950 | 2.21 24/1948 | 2.37 24/1948 | 2.40 24/1948 | 2.40 24/1948 | 3.18 26-27/1946 |
| Jun. | Amt. Date | 1.69 5/1943 | 2.34 22/1942 | 2.56 22/1942 | 2.58 22/1942 | 2.65 22/1942 | 2.76 22/1942 |
| Jul. | Amt. Date | 1.57 30/1945 | 1.89 30/1945 | 2.11 12/1949 | 3.29 12/1949 | 3.46 9/1946 | 4.64 12/1949 |
| Aug. | Amt. Date | 1.48 23/1942 | 2.01 2/1945 | 2.41 2/1945 | 2.55 2/1944 | 2.89 2/1944 | 3.62 8-9/1942 |
| Sep. | Amt. Date | 1.41 10/1950 | 1.55 10/1950 | 2.66 10/1950 | 3.06 10/1950 | 3.08 10-11/1950 | 3.21 9-10/1950 |
| Oct. | Amt. Date | 2.65 15/1942 | 4.52 15/1942 | 5.00 15/1942 | 5.22 15/1942 | 5.48 15/1942 | 5.71 14-15/1942 |
| Nov. | Amt. Date | 1.23 8/1943 | 2.07 8/1943 | 2.39 8/1943 | 3.17 8/1943 | 3.93 8/1943 | 3.98 8/1943 |
| Dec. | Amt. Date | 0.72 4/1950 | 1.07 4/1950 | 1.28 4/1950 | 1.57 4/1950 | 1.90 3-4/1950 | 2.53 3-4/1948 |
| Annual | Amt. Date | 2.65 10/15/42 | 4.52 10/15/42 | 5.00 10/15/42 | 5.22 10/15/42 | 5.48 10/15/42 | 5.71 10/15/42 |

a Also 24/1943.

b Also 24/1943.

c Also 22/1950.

d Also 22-23/1950.

Station: FIELDALE, VIRGINIA

Drainage basin: SMITH

County: HENRY

Lat. 36° 43' N Long. 79° 56' W

Elev.(ft.) 760

Period of record: 1943-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------|------------------|------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.36 3/1944 | 0.66 3/1944 | 0.86 3/1944 | 1.16 3/1944 | 1.78 2-3/1944 | 1.93 2-3/1944 |
| Feb. | Amt. Date | 0.21 19/1946 | 0.35a 13/1945 | 0.50 13/1945 | 0.90 13/1945 | 1.37 12-13/1945 | 1.51 12-13/1945 |
| Mar. | Amt. Date | 0.56 25/1949 | 0.82 31/1948 | 0.95 31/1948 | 1.22 31/1948 | 1.54 31/1948 | 1.90 31-1/1948 |
| Apr. | Amt. Date | 0.66 11/1944 | 0.93 11/1944 | 1.16 11/1944 | 1.47 19/1943 | 2.22 19/1943 | 3.06 18-19/1943 |
| May | Amt. Date | 0.78 10/1949 | 0.90 10/1949 | 1.07 20/1946 | 1.26 10/1949 | 1.26 10/1949 | 1.70 26/1945 |
| Jun. | Amt. Date | 1.10 26/1947 | 1.39 29/1943 | 1.71 22/1950 | 2.13 22/1950 | 2.13 22/1950 | 2.47 28-29/1943 |
| Jul. | Amt. Date | 1.32 11/1949 | 1.57 11/1949 | 1.71 1-2/1946 | 2.25 1-2/1946 | 2.33 1-2/1946 | 2.44 11-12/1949 |
| Aug. | Amt. Date | 1.48 12/1949 | 1.75 12/1949 | 1.78 12/1949 | 1.88 12/1949 | 1.88 12/1949 | 1.88 12/1949 |
| Sep. | Amt. Date | 1.39 27/1945 | 1.74 10/1950 | 1.86 10/1950 | 2.11 10/1950 | 2.20 9-10/1950 | 3.08 29-30/1944 |
| Oct. | Amt. Date | 1.19 9/1947 | 1.48 9/1947 | 2.00 9/1947 | 2.80 9/1947 | 4.61 9/1947 | 5.42 9-10/1947 |
| Nov. | Amt. Date | 0.46 19/1948 | 0.82 19/1948 | 0.96 19/1948 | 1.12 28/1948 | 1.46b 28/1948 | 1.78 28-29/1948 |
| Dec. | Amt. Date | 0.34 7/1950 | 0.55c 7/1950 | 0.77 3-4/1950 | 1.15 26/1943 | 1.60 25-26/1943 | 2.38 3-4/1948 |
| Annual | Amt. Date | 1.48 8/12/49 | 1.75 8/12/49 | 2.00 10/9/47 | 2.80 10/9/47 | 4.61 10/9/47 | 5.42 10/9-10/47 |

a Also 19/1946.

b Also 2-3/1947.

c Also 3-4/1950.

Station: FREDERICKSBURG, VIRGINIA

Drainage basin: RAPPAHANNOCK

County: SPOTSYLVANIA

Lat. 38° 19'N Long. 77° 29'W

Elev.(ft.) 25

Period of record: 1943-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.33 21/1949 | 0.63 21/1949 | 0.89 21/1949 | 1.53 21/1949 | 2.06 21/1949 | 2.29 21-22/1949 |
| Feb. | Amt. Date | 0.30 24/1943 | 0.47 20/1947 | 0.67 19/1946 | 0.96 19/1946 | 1.31 20/1947 | 1.43 20/1947 |
| Mar. | Amt. Date | 0.30 22/1950 | 0.70 31-1/1948 | 1.06 31-1/1948 | 1.40 31-1/1948 | 1.85 31-1/1948 | 1.97 31-1/1948 |
| Apr. | Amt. Date | 1.42 27/1950 | 1.46 27-28/1950 | 1.50 27-28/1950 | 1.50 27-28/1950 | 1.85 31-1/1948 | 1.97 31-1/1948 |
| May | Amt. Date | 1.04 21/1943 | 1.43 21/1943 | 1.55 17/1950 | 1.55 17/1950 | 1.75 26-27/1946 | 1.94 26-27/1946 |
| Jun. | Amt. Date | 1.34 12/1945 | 1.50 12/1945 | 1.50 12/1945 | 1.50 12/1945 | 1.50 12/1945 | 2.33 13-14/1947 |
| Jul. | Amt. Date | 0.80 8/1947 | 1.23 9/1946 | 1.92 9/1946 | 2.20 9/1946 | 2.69 9/1946 | 3.64 9/1946 |
| Aug. | Amt. Date | 1.27 3/1948 | 1.85 4/1948 | 2.27 4/1948 | 2.84 2/1944 | 3.31 2/1944 | 4.81 3-4/1948 |
| Sep. | Amt. Date | 1.21 9/1950 | 2.12 9/1950 | 2.27 9/1950 | 2.67 10/1950 | 4.13 9/1950 | 4.31 9-10/1950 |
| Oct. | Amt. Date | 0.81 12/1946 | 0.86 12/1946 | 0.90 12/1946 | 0.91a 20/1944 | 1.58 5/1948 | 2.04 5/1948 |
| Nov. | Amt. Date | 0.74 8/1943 | 1.20 8/1943 | 1.24 8/1943 | 1.36 8/1943 | 1.41 8-9/1943 | 1.47b 8-9/1943 |
| Dec. | Amt. Date | 0.45 3/1948 | 0.76 3/1948 | 1.06 3/1948 | 1.73 3-4/1948 | 2.49 3-4/1948 | 2.96 3-4/1948 |
| Annual | Amt. Date | 1.42 4/27/50 | 2.12 9/9/50 | 2.27c 8/4/48 | 2.84 8/2/44 | 4.13 9/9/50 | 4.81 8/3-4/48 |

a Also 5/1948.

b Also 26-27/1944.

c Also 9/9/1950.

Station: GROSECLOSE, VIRGINIA

Drainage basin: HOLSTON

County: SMYTH

Lat. 36° 52' N. Long. 81° 20'

Elev.(ft.) 2590

Period of record: 1948-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.23 26/1949 | 0.38 30/1950 | 0.42 29-30/1950 | 0.67 29-30/1950 | 0.94 29-30/1950 | 1.51 29-30/1950 |
| Feb. | Amt. Date | 0.24 28/1949 | 0.45 9/1950 | 0.56 9/1950 | 0.71 9/1950 | 0.76 1-2/1950 | 0.96 1-2/1950 |
| Mar. | Amt. Date | 0.44 18/1949 | 0.67 18/1949 | 0.76 18/1949 | 0.89 18/1949 | 1.26 17-18/1949 | 1.38 17-18/1949 |
| Apr. | Amt. Date | 0.72 13/1949 | 0.80 13/1949 | 0.85 13/1949 | 0.99 12-13/1949 | 1.10 12-13/1949 | 1.30 12-13/1949 |
| May | Amt. Date | 0.70 16/1949 | 0.77 16/1949 | 0.80 16/1949 | 0.92 10/1949 | 1.33 10-11/1949 | 1.48 10-11/1949 |
| Jun. | Amt. Date | 0.50 17/1949 | 0.72 17/1949 | 1.00 17/1949 | 1.43 16-17/1949 | 2.67 16-17/1949 | 3.01 16-17/1949 |
| Jul. | Amt. Date | 1.00 26/1950 | 1.90 26/1950 | 2.43 26/1950 | 2.49 26/1950 | 2.69 26/1950 | 3.64 26-27/1950 |
| Aug. | Amt. Date | 0.73 15/1950 | 1.05 15/1950 | 1.32 15/1950 | 1.93 15/1950 | 2.24 15-16/1950 | 3.03 15-16/1950 |
| Sep. | Amt. Date | 0.37 22/1950 | 0.67 22/1950 | 0.79 22/1950 | 1.05 22/1950 | 1.09 22/1950 | 1.12 21-22/1950 |
| Oct. | Amt. Date | 0.42 31/1949 | 0.48 8/1950 | 0.70 31/1949 | 0.89 30-31/1949 | 1.08 30-31/1949 | 1.50 30-31/1949 |
| Nov. | Amt. Date | 0.39 4/1950 | 0.50 4/1950 | 0.59 4/1950 | 0.98 4/1950 | 1.10 29/1949 | 1.11 1/1949 |
| Dec. | Amt. Date | 0.34 3/1950 | 0.56 3/1950 | 0.64 3/1950 | 0.86 3-4/1950 | 0.89 3-4/1950 | 1.41E 7-8/1950 |
| Annual | Amt. Date | 1.00 7/26/50 | 1.90 7/26/50 | 2.43 7/26/50 | 2.49 7/26/50 | 2.69 7/26/50 | 3.64 7/26-27/50 |

Station: HIGH KNOB, VIRGINIA*

Drainage basin: CLINCH

County: WISE

Lat. 36° 54'N Long. 82° 38'W

Elev.(ft) 4150

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.48 7/1946 | 0.90 7/1946 | 1.00 7/1946 | 1.23 7/1946 | 2.13 7/1946 | 3.14 7/1946 |
| Feb. | Amt. Date | 0.60 17/1945 | 0.82 17/1945 | 0.96 17/1944 | 1.71 17/1944 | 2.77 17/1944 | 3.12 17/1944 |
| Mar. | Amt. Date | 0.76 17/1942 | 1.21 17/1942 | 1.51 17/1942 | 1.61 17/1942 | 1.61 17/1942 | 1.61 17/1942 |
| Apr. | Amt. Date | 0.61 6/1948 | 0.89 6/1948 | 0.99 6/1948 | 1.20 16-17/1945 | 1.62 14/1948 | 1.98 18-19/1943 |
| May | Amt. Date | 0.94 10/1949 | 1.28 27/1950 | 1.34 27/1950 | 1.67 15/1942 | 2.12 15/1942 | 2.39 15/1942 |
| Jun. | Amt. Date | 2.21 28/1943 | 2.30 28/1943 | 2.31 28/1943 | 2.34 28/1943 | 2.34 28/1943 | 3.00 28-29/1943 |
| Jul. | Amt. Date | 1.80 15/1946 | 2.39 15/1946 | 2.79 14-15/1946 | 3.12 14-15/1946 | 3.12 14-15/1946 | 3.12 14-15/1946 |
| Aug. | Amt. Date | 2.10 6/1947 | 2.31 6/1947 | 2.40 6/1947 | 2.82 6/1947 | 3.45 6/1947 | 3.56 6-7/1947 |
| Sep. | Amt. Date | 0.78 23/1946 | 0.89 19/1950 | 1.39 19-20/1950 | 1.57 19-20/1950 | 2.05 28-29/1944 | 2.24 28-29/1944 |
| Oct. | Amt. Date | 0.51 5/1942 | 0.73 5/1942 | 0.92 5/1942 | 1.34 5/1942 | 1.53 5/1942 | 1.57 30-31/1949 |
| Nov. | Amt. Date | 0.49 20/1950 | 0.59 20/1950 | 0.71 6/1948 | 1.12 6/1948 | 1.33 6/1948 | 1.68 28-29/1948 |
| Dec. | Amt. Date | 0.43 31/1944 | 0.60a 1/1942 | 0.86 7/1950 | 1.27 7/1950 | 1.76 7/1950 | 1.83 29-30/1942 |
| Annual | Amt. Date | 2.21 6/28/43 | 2.39 7/15/46 | 2.79 7/14-15/46 | 3.12 7/14-15/46 | 3.45 8/6/47 | 3.56 8/6-7/47 |

*Formerly Norton, Virginia.

a Also 7/1950.

Station: HOG ISLAND, LITTLE MACHIPONGO, VIRGINIA

Drainage basin: ATLANTIC

County: NORTHAMPTON

Lat. 37° 28'N Long. 75° 41'W

Elev.(ft.) 5

Period of record: 1941-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|--------------------|--------------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.54 3/1944 | 0.72 3/1944 | 0.93 3/1944 | 1.36 3/1944 | 2.03 3/1944 | 2.36 2-3/1944 |
| Feb. | Amt. Date | 0.54 20/1947 | 0.65 20/1947 | 0.71 20/1947 | 1.03 7/1949 | 1.10 10/1946 | 1.22 4-5/1943 |
| Mar. | Amt. Date | 0.84 29/1942 | 1.07 29/1942 | 1.12 29/1942 | 1.18a 2/1942 | 1.38 2/1942 | 1.72 28-29/1942 |
| Apr. | Amt. Date | 0.57 19/1943 | 0.75 15/1944 | 0.86 15/1944 | 1.14 15/1944 | 1.39 25-26/1946 | 1.56 25-26/1946 |
| May | Amt. Date | 0.70 30/1948 | 1.10 30/1948 | 1.20 30/1948 | 1.24 30-31/1948 | 1.32 30-31/1948 | 1.62 30-31/1948 |
| Jun. | Amt. Date | 1.19 25/1945 | 1.65 25/1945 | 2.13 25-26/1945 | 3.40 25-26/1945 | 4.45 25-26/1945 | 4.48 25-26/1945 |
| Jul. | Amt. Date | 1.52 26/1945 | 1.59 26/1945 | 1.99 26/1945 | 2.20 26/1945 | 2.25 26-27/1945 | 2.25b 26-27/1945 |
| Aug. | Amt. Date | 1.30 21/1946 | 1.96 4/1948 | 2.47 4/1948 | 3.30 21/1946 | 3.37 21/1946 | 3.37 21/1946 |
| Sep. | Amt. Date | 2.83 14/1944 | 5.58 14/1944 | 6.58 14/1944 | 8.24 14/1944 | 8.44 14/1944 | 8.79 14-15/1944 |
| Oct. | Amt. Date | 0.95 22/1945 | 1.81 22/1945 | 1.86 22/1945 | 1.87 22/1945 | 2.03 30-1/1943 | 2.90 30-1/1943 |
| Nov. | Amt. Date | 0.50 3/1947 | 0.58 3/1947 | 0.75 14/1945 | 1.35 14/1945 | 2.14 14/1945 | 2.43 14-15/1945 |
| Dec. | Amt. Date | 0.69 3/1948 | 1.22 3/1948 | 1.64 3/1948 | 2.11 3/1948 | 2.35 3/1948 | 2.36 3/1948 |
| Annual | Amt. Date | 2.83 9/14/44 | 5.58 9/14/44 | 6.58 9/14/44 | 8.24 9/14/44 | 8.44 9/14/44 | 8.79 9/14-15/44 |

a Also 23/1949.

b Also 16-17/1945.

Station: HOT SPRINGS, VIRGINIA*

Drainage basin: JACKSON

County: BATH

Lat. 38° 00'N Long. 79° 50'W

Elev.(ft.) 2195

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.57 3/1944 | 0.70 3/1944 | 0.82 3/1944 | 1.25 3/1944 | 1.67 2-3/1944 | 1.73 2-3/1944 |
| Feb. | Amt. Date | 0.21 22/1944 | 0.33 15/1949 | 0.44 14/1944 | 0.67 20/1947 | 1.02 20/1947 | 1.11 20/1947 |
| Mar. | Amt. Date | 0.43 14/1946 | 0.78 14/1946 | 1.00 14/1946 | 1.15 14/1946 | 1.29 6-7/1948 | 1.37 6-7/1948 |
| Apr. | Amt. Date | 0.87 13/1949 | 1.40 13/1949 | 1.91 13/1949 | 2.14 13/1949 | 2.84 13/1949 | 3.68 12-13/1949 |
| May | Amt. Date | 0.91 24/1944 | 1.45 16/1942 | 1.79 15-16/1942 | 2.61 15-16/1942 | 4.00 15-16/1942 | 4.42 15-16/1942 |
| Jun. | Amt. Date | 1.85 11/1940 | 2.10 11/1940 | 2.20 11/1940 | 2.21 11/1940 | 2.22 11/1940 | 2.82 16-17/1949 |
| Jul. | Amt. Date | 1.61 12/1943 | 2.09 12/1943 | 2.11 12/1943 | 2.11 12/1943 | 2.11 12/1943 | 2.11 12/1943 |
| Aug. | Amt. Date | 1.37 3/1949 | 2.02 3/1949 | 2.07 3/1949 | 2.99 3/1949 | 3.32 3/1949 | 3.61 3-4/1949 |
| Sep. | Amt. Date | 1.10 10/1950 | 1.30 10/1950 | 2.29 10/1950 | 2.83 10/1950 | 3.54 9-10/1950 | 4.64 9-10/1950 |
| Oct. | Amt. Date | 0.75 25/1946 | 1.22 25/1946 | 1.68 25/1946 | 2.41 25/1946 | 2.52 25-26/1946 | 2.52 25-26/1946 |
| Nov. | Amt. Date | 0.90 28/1948 | 1.47 28/1948 | 1.65 28/1948 | 2.08 28/1948 | 2.64 28/1948 | 3.01 28-29/1948 |
| Dec. | Amt. Date | 0.76 7/1950 | 1.28 7/1950 | 1.56 7/1950 | 2.26 7/1950 | 2.93 7/1950 | 2.93 7/1950 |
| Annual | Amt. Date | 1.85 6/11/40 | 2.10 6/11/40 | 2.29 9/10/50 | 2.99 8/3/49 | 4.00 5/15-16/42 | 4.64 9/9-10/50 |

*Formerly Millboro Springs, Virginia.

Station: HONAKER, VIRGINIA

Drainage basin: CLINCH

County: RUSSELL

Lat. 37° 01'N Long. 81° 59'W

Elev.(ft.) 1950

Period of record: 1943-1950 (BREAKS)

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|-----------------|-----------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.34 29/1950 | 0.55 7/1946 | 0.73 7/1946 | 1.19 7/1946 | 1.72 7/1946 | 2.34 7-8/1946 |
| Feb. | Amt. Date | 0.31a 17/1944 | 0.52 17/1944 | 0.75 17/1944 | 1.32 17/1944 | 2.26 17/1944 | 2.83 17/1944 |
| Mar. | Amt. Date | 0.70 12/1944 | 0.70 12/1944 | 0.87 27/1950 | 1.05 12/1944 | 1.32 17-18/1949 | 2.12E 26-27/1948 |
| Apr. | Amt. Date | 0.72 7/1948 | 0.95 6/1948 | 1.07 6/1948 | 1.09 6/1948 | 1.37 30-1/1950 | 2.14 6-7/1948 |
| May | Amt. Date | 1.13 19/1943 | 1.20 19/1943 | 1.28 19/1943 | 1.43 1/1950 | 1.49 1/1950 | 1.76 30-1/1950 |
| Jun. | Amt. Date | 1.59 12/1946 | 1.68 12/1946 | 1.75 12/1946 | 1.77 12/1946 | 1.77 12/1946 | 1.79 12-13/1946 |
| Jul. | Amt. Date | 1.10 28/1945 | 1.43 10/1949 | 1.55 20/1950 | 2.48 10/1949 | 2.63 10/1949 | 2.63 10/1949 |
| Aug. | Amt. Date | 1.50 6/1945 | 1.77 6/1945 | 1.79 6/1945 | 1.98 3/1947 | 2.10 3/1947 | 2.25 26-27/1944 |
| Sep. | Amt. Date | 0.88 19/1950 | 0.97 19/1950 | 1.20 29/1944 | 1.92 29/1944 | 2.48 28-29/1944 | 2.56 28-29/1944 |
| Oct. | Amt. Date | 0.69 23/1950 | 1.00 23/1950 | 1.02 23/1950 | 1.16 20/1944 | 1.70 20/1944 | 1.74 20/1944 |
| Nov. | Amt. Date | 0.40 17/1946 | 0.58 17/1946 | 0.77 24/1949 | 1.00 28/1948 | 1.39 28/1948 | 1.87 28-29/1948 |
| Dec. | Amt. Date | 0.45 7/1950 | 0.71 7/1950 | 0.95 7/1950 | 1.03 3/1948 | 1.63 3/1948 | 1.90 2-3/1948 |
| Annual | Amt. Date | 1.59 6/12/46 | 1.77 8/6/45 | 1.79 8/6/45 | 2.48 7/10/49 | 2.63 7/10/49 | 2.83 2/17/44 |

a Also 13/1948.

Station: HURLEY, VIRGINIA

Drainage basin: TUG FORK

County: BUCHANAN

Lat. 37° 26'N Long. 82° 02'W

Elev.(ft.) 995

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|-----------------|-----------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.30 14/1947 | 0.43 30/1947 | 0.63 30/1947 | 0.83 30/1947 | 0.95 26/1943 | 1.54 26/1943 |
| Feb. | Amt. Date | 0.34 17/1945 | 0.50 17/1944 | 0.59 17/1945 | 0.95 17/1945 | 1.52 17/1944 | 1.74 13-14/1948 |
| Mar. | Amt. Date | 0.36a 16/1948 | 0.67 16/1948 | 0.98 16/1948 | 1.53 5/1945 | 1.74 5/1945 | 1.78 18-19/1943 |
| Apr. | Amt. Date | 0.63 11/1944 | 0.95 11/1944 | 1.12 11/1944 | 1.48 6/1948 | 1.66 6/1948 | 2.23 6/1948 |
| May | Amt. Date | 0.93 17/1944 | 1.68 17/1944 | 1.68 17/1944 | 1.68 17/1944 | 1.68 17/1944 | 1.88 16-17/1944 |
| Jun. | Amt. Date | 1.50 22/1942 | 2.06 22/1942 | 2.07 22/1942 | 2.27 22/1942 | 2.29 22/1942 | 3.00 19-20/1942 |
| Jul. | Amt. Date | 0.98b 28/1942 | 1.34 28/1945 | 1.55 28/1945 | 1.62 28/1945 | 1.87 26/1950 | 2.60 25-26/1950 |
| Aug. | Amt. Date | 1.90 3/1947 | 2.12 3/1947 | 2.63 3/1947 | 3.50 3/1947 | 3.69 3/1947 | 3.69 3/1947 |
| Sep. | Amt. Date | 1.22 10/1941 | 1.37 10/1941 | 1.81 6/1947 | 2.44 6/1947 | 2.44 6/1947 | 2.64 9-10/1948 |
| Oct. | Amt. Date | 0.76 5/1942 | 1.34 5/1942 | 1.55 5/1942 | 2.05 5/1942 | 2.41 4-5/1942 | 2.50 4-5/1942 |
| Nov. | Amt. Date | 0.66 2/1945 | 0.99 2/1945 | 1.24 2/1945 | 1.92 2/1945 | 2.33 2-3/1945 | 2.53 2-3/1945 |
| Dec. | Amt. Date | 0.30 13/1941 | 0.51 7/1950 | 0.72 7/1950 | 1.03 1/1942 | 1.53 12-13/1941 | 1.88 2-3/1948 |
| Annual | Amt. Date | 1.90 8/3/47 | 2.12 8/3/47 | 2.63 8/3/47 | 3.50 8/3/47 | 3.69 8/3/47 | 3.69 8/3/47 |

a Also 27/1948.

b Also 16/1949.

Station: INDIAN VALLEY, VIRGINIA

Drainage basin: NEW

County: FLOYD

Lat. 36° 54' N Long. 80° 34' W

Elev.(ft.) 2700

Period of record: 1941-1950

| Month | Amt. Date | Duration (hours) | | | | | |
|--------|-----------------|------------------|-----------------|--------------------|--------------------|--------------------|----|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | 0.38a 7/1946 | 0.65 30/1947 | 0.79 2/1947 | 1.21 2/1947 | 1.35 7/1946 | 1.71 19-20/1947 | |
| Feb. | 0.40 10/1946 | 0.68 10/1946 | 0.86 10/1946 | 1.23 10/1946 | 1.52 10/1946 | 1.65 9-10/1946 | |
| Mar. | 0.71 17/1943 | 1.04 17/1943 | 1.15 17/1943 | 1.38 16-17/1943 | 1.62 16-17/1943 | 1.69 16-17/1943 | |
| Apr. | 0.57 17/1945 | 0.81 30/1946 | 1.06 30/1946 | 1.14 30/1946 | 1.26E 25/1946 | 1.62 31-1/1948 | |
| May | 1.24 22/1949 | 1.53 22/1949 | 1.61 22/1949 | 1.66 22/1949 | 2.14 11/1943 | 2.24 11-12/1943 | |
| Jun. | 2.40 10/1945 | 3.73 10/1945 | 4.74 10/1945 | 4.85 10/1945 | 4.85 10/1945 | 4.85 10/1945 | |
| Jul. | 1.84 4/1950 | 1.89 23/1941 | 1.93 23/1941 | 1.93 23/1941 | 1.93 23/1941 | 2.24 4-5/1950 | |
| Aug. | 0.85 28/1946 | 1.11 10/1950 | 1.22 10/1950 | 1.30 10/1950 | 1.45 28/1949 | 1.90 15-16/1949 | |
| Sep. | 0.97 27/1942 | 1.59 27/1942 | 1.77 27/1942 | 2.06 29/1944 | 2.45 17/1945 | 3.36 17-18/1945 | |
| Oct. | 0.60 8/1947 | 0.84 20/1944 | 1.16 20/1944 | 1.85 20/1944 | 2.57 20/1944 | 2.73 20/1944 | |
| Nov. | 0.52 4/1950 | 0.75 4/1950 | 0.84 4/1950 | 0.98 28/1948 | 1.19 28/1948 | 1.72 3-4/1950 | |
| Dec. | 0.52 7/1950 | 0.88 7/1950 | 1.04 7/1950 | 1.32 7/1950 | 1.67 7/1950 | 2.21 3-4/1948 | |
| Annual | 2.40 6/10/45 | 3.73 6/10/45 | 4.74 6/10/45 | 4.85 6/10/45 | 4.85 6/10/45 | 4.85 6/10/45 | |

a Also 30/1947.

Station: JORDAN MINES, VIRGINIA

Drainage basin: POTTS

County: ALLEGHANY

Lat. 37° 41'N Long. 80° 05'W

Elev.(ft.) 1350

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|-----------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.41 18/1943 | 0.50 18/1943 | 0.62 21/1949 | 0.81 3/1944 | 1.14E 2-3/1944 | 1.66 31-1/1947 |
| Feb. | Amt. Date | 0.22a 22/1944 | 0.37 7/1949 | 0.47 18/1940 | 0.81 20/1947 | 1.37E 20/1947 | 1.53E 20/1947 |
| Mar. | Amt. Date | 0.44 14/1946 | 0.70 14/1946 | 0.86 14/1946 | 1.17 23-24/1948 | 1.24 6-7/1948 | 1.70 23-24/1948 |
| Apr. | Amt. Date | 0.65 19/1940 | 0.92 19/1940 | 1.09 19/1940 | 1.38 19/1940 | 2.04 19/1940 | 2.58 12-13/1949 |
| May | Amt. Date | 0.78 19/1944 | 1.17 24/1944 | 1.64 24/1944 | 1.90 24/1944 | 2.80 15-16/1942 | 3.12 15-16/1942 |
| Jun. | Amt. Date | 1.14 19/1946 | 1.40 19/1946 | 1.50 19/1946 | 1.50 19/1946 | 1.58 •19/1946 | 2.49 1-2/1942 |
| Jul. | Amt. Date | 1.45 27/1945 | 1.79 28/1940 | 1.79 28/1940 | 1.79 28/1940 | 2.09 26/1950 | 2.34 28-29/1940 |
| Aug. | Amt. Date | 2.21 12/1943 | 2.25 12/1943 | 2.25 12/1943 | 2.25 12/1943 | 2.48b 14/1940 | 3.00 13-14/1940 |
| Sep. | Amt. Date | 1.09 6/1947 | 1.31 6/1947 | 1.34 6/1947 | 1.60 13/1945 | 1.70c 6/1947 | 2.00 26-27/1942 |
| Oct. | Amt. Date | 0.55 28/1947 | 0.80 25/1946 | 1.18 25/1946 | 1.77 25/1946 | 2.41 20/1944 | 2.53 20/1944 |
| Nov. | Amt. Date | 0.30 4/1950 | 0.51 4/1950 | 0.71 3/1947 | 1.21 3/1947 | 2.09 2-3/1947 | 2.50 2-3/1947 |
| Dec. | Amt. Date | 0.39 4/1941 | 0.51 15/1948 | 0.68 13/1941 | 1.04 15/1948 | 1.74 15/1948 | 1.96 3/1948 |
| Annual | Amt. Date | 2.21 8/12/43 | 2.25 8/12/43 | 2.25 8/12/43 | 2.25 8/12/43 | 2.80 5/15-16/42 | 3.12 5/15-16/42 |

a Also 17/1945.

b Also 5/1942.

c Also 24-25/1947

Station: LYNCHBURG, WB APT, VIRGINIA

Drainage basin: JAMES

County: CAMPBELL

Lat. 37° 20' N Long. 79° 12' W

Elev.(ft.) 947

Period of record: 1940-1950 ONLY*

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|------------------|---------------------|---------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.54 18/1943 | 0.66 18/1943 | 0.71 3/1944 | 1.06 3/1944 | 1.65 27-28/1943 | 2.43 27-28/1943 |
| Feb. | Amt. Date | 0.26 10/1946 | 0.51 10/1946 | 0.67 10/1946 | 0.95 10/1946 | 1.10 10/1946 | 1.23a 18-19/1940 |
| Mar. | Amt. Date | 0.77 22/1949 | 0.89 22/1949 | 1.47 22/1949 | 2.02 22/1949 | 2.42 22-23/1949 | 2.43 22-23/1949 |
| Apr. | Amt. Date | 0.78 17/1945 | 1.26 17/1945 | 1.54 17/1945 | 1.75 17/1945 | 2.31 17/1945 | 2.46 7-8/1940 |
| May | Amt. Date | 1.27 26/1943 | 1.49 26/1943 | 1.55b 21/1942 | 2.20 21-22/1942 | 2.41 21-22/1942 | 2.51 21-22/1942 |
| Jun. | Amt. Date | 2.74 28/1949 | 2.87 28/1949 | 3.00 28/1949 | 3.13 28/1949 | 3.17 28-29/1949 | 3.24 27-28/1949 |
| Jul. | Amt. Date | 1.67 15/1944 | 1.76 15/1944 | 1.96 15/1944 | 1.98E 15-16/1944 | 2.01E 15-16/1944 | 2.19 14-15/1945 |
| Aug. | Amt. Date | 2.21 21/1950 | 3.03 21/1950 | 3.15 21/1950 | 3.36 21-22/1950 | 3.49 21-22/1950 | 4.11 14-15/1940 |
| Sep. | Amt. Date | 1.22 11/1950 | 1.70 11/1950 | 2.35 18/1944 | 2.95 18/1944 | 4.29 18/1944 | 5.85 17-18/1944 |
| Oct. | Amt. Date | 0.60 27/1941 | 0.72 25/1946 | 0.87 15/1942 | 1.44 15/1942 | 2.27 15/1942 | 3.38 14-15/1942 |
| Nov. | Amt. Date | 0.32 4/1950 | 0.57 1/1940 | 0.69 1/1940 | 1.06 28/1945 | 1.26 1-2/1940 | 1.62 13-14/1940 |
| Dec. | Amt. Date | 0.56 5/1941 | 0.75 3/1948 | 1.01 3/1948 | 1.57 3-4/1950 | 2.19 3-4/1948 | 3.02 3-4/1948 |
| Annual | Amt. Date | 2.74 6/28/49 | 3.03 8/21/50 | 3.15 8/21/50 | 3.36 8/21-22/50 | 4.29 9/18/44 | 5.85 9/17-18/44 |

*Given for comparative purposes. See next page for complete record.

a Also 10/1946.

b Also 26/1943.

Station: LYNCHBURG, WB APT, VIRGINIA

Drainage basin: JAMES

County: CAMPBELL

Lat. 37° 20'N Long. 79° 12'W

Elev.(ft.) 947

Period of record: 1902-1933
1936-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.54 18/1943 | 0.81 2/1903 | 0.95 2/1903 | 1.28 3/1906 | 2.14 3/1906 | 2.43 27-28/1943 |
| Feb. | Amt. Date | 0.90 17/1910 | 1.08 17/1910 | 1.28 17/1910 | 1.34 17/1910 | 2.32 3-4/1920 | 2.72 3-4/1920 |
| Mar. | Amt. Date | 0.84 3/1906 | 1.11 29/1912 | 1.47 22/1949 | 2.13 28-29/1912 | 2.49 28-29/1912 | 2.84 1-2/1922 |
| Apr. | Amt. Date | 1.05 16/1910 | 1.36 16/1910 | 1.54 17/1945 | 2.03 16-17/1910 | 2.31 17/1945 | 2.82 24/1937 |
| May | Amt. Date | 2.06 26/1921 | 2.82 26/1921 | 2.88 26/1921 | 2.91 26/1921 | 3.03 26-27/1921 | 3.05a 26-27/1921 |
| Jun. | Amt. Date | 2.74 28/1949 | 2.87 28/1949 | 3.00 28/1949 | 3.13 28/1949 | 3.17 28-29/1949 | 3.24 27-28/1949 |
| Jul. | Amt. Date | 1.86 18/1931 | 2.07 10/1916 | 2.56 7/1911 | 3.46 7-8/1911 | 3.69 7-8/1911 | 4.29 24-25/1916 |
| Aug. | Amt. Date | 2.21 21/1950 | 3.03 21/1950 | 3.15 21/1950 | 3.79 11/1928 | 5.88E 11/1928 | 7.59 11-12/1928 |
| Sep. | Amt. Date | 3.49 3/1907 | 3.65 3/1907 | 3.66 3/1907 | 4.72 3/1907 | 4.72 3/1907 | 5.85 17-18/1944 |
| Oct. | Amt. Date | 1.13 19/1937 | 1.43 3/1927 | 2.06 3/1927 | 3.14 5/1902 | 5.30 4-5/1902 | 7.18 4-5/1902 |
| Nov. | Amt. Date | 0.76 19/1906 | 0.88 18-19/1906 | 1.05 18-19/1906 | 1.54 8-9/1913 | 2.32 8-9/1913 | 2.87 8-9/1913 |
| Dec. | Amt. Date | 0.56 5/1941 | 0.75 3/1948 | 1.01 3/1948 | 1.57 3-4/1950 | 2.19 3-4/1948 | 3.02 3-4/1948 |
| Annual | Amt. Date | 3.49 9/3/07 | 3.65 9/3/07 | 3.66 9/3/07 | 4.72 9/3/07 | 5.88E 8/11/28 | 7.59 8/11-12/28 |

All 1-, and 2-hr except July and August, and all 24-hr except May, July, August, November, and December are true maxima.

a Also 31-1/1907.

Station: MANION, VIRGINIA

Drainage basin: POTOMAC

County: FAIRFAX

Lat. 38° 51'N Long. 77° 21'W

Elev.(ft.) 450

Period of record: 1940-1949

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.54 ^E 1/1945 | 0.91 ^E 1/1945 | 1.08 ^E 1/1945 | 1.45 ^E 1/1945 | 1.53 1/1945 | 2.13 3-4/1944 |
| Feb. | Amt. Date | 0.33 6/1942 | 0.48 6/1942 | 0.62 6/1942 | 0.81 6/1942 | 0.94 6-7/1942 | 1.14 18-19/1940 |
| Mar. | Amt. Date | 0.37 23/1948 | 0.61 2/1942 | 0.85 2/1942 | 1.13 2-3/1942 | 1.42 2-3/1942 | 1.49 31-1/1948 |
| Apr. | Amt. Date | 0.41 20/1940 | 0.70 20/1940 | 0.95 8/1940 | 1.31 8/1940 | 2.10 8/1940 | 2.25 8/1940 |
| May | Amt. Date | 1.03 21/1943 | 1.41 17/1947 | 1.73 13/1948 | 2.04 13/1948 | 2.38 12-13/1948 | 2.63 12-13/1948 |
| Jun. | Amt. Date | 1.33 7/1947 | 1.81 7/1947 | 2.22 7/1947 | 2.46 26/1942 | 2.88 26-27/1942 | 2.88 26-27/1942 |
| Jul. | Amt. Date | 1.84 31/1945 | 2.02 31/1945 | 2.10 31/1945 | 2.15 31-1/1945 | 2.26 3/1940 | 2.80 31-1/1948 |
| Aug. | Amt. Date | 2.01 1/1946 | 2.66 1/1946 | 2.71 1/1946 | 2.71 1/1946 | 2.87 2/1944 | 3.26 1-2/1946 |
| Sep. | Amt. Date | 1.08 13/1944 | 1.24 13/1944 | 1.41 13/1944 | 1.64 13/1944 | 2.76 13/1944 | 2.79 13/1944 |
| Oct. | Amt. Date | 0.67 15/1942 | 1.02 15/1942 | 1.25 15/1942 | 2.09 14/1942 | 2.41 14/1942 | 3.69 13-14/1942 |
| Nov. | Amt. Date | 0.73 8/1943 | 1.38 8/1943 | 1.84 8/1943 | 2.60 8/1943 | 2.86 8/1943 | 3.00 8-9/1943 |
| Dec. | Amt. Date | 0.40 ^a 13/1941 | 0.70 13/1941 | 0.97 13/1941 | 1.41 13/1941 | 1.64 13/1941 | 1.87 13-14/1941 |
| Annual | Amt. Date | 2.01 8/1/46 | 2.66 8/1/46 | 2.71 8/1/46 | 2.71 8/1/46 | 2.88 6/26-27/42 | 3.69 10/13-14/42 |

a Also 11/1944.

Station: McGAHEYSVILLE 3S, VIRGINIA

Drainage basin: SHENANDOAH

County: ROCKINGHAM

Lat. 38° 21' N Long. 78° 44' W

Elev.(ft.) 1080

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|-----------------|--------------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.37 7/1946 | 0.48 7/1946 | 0.51 7/1946 | 0.68 31/1949 | 1.07 3/1944 | 1.47 2-3/1944 |
| Feb. | Amt. Date | 0.20 7/1949 | 0.33 18/1940 | 0.44 18/1940 | 0.72 18/1940 | 1.18 18-19/1940 | 1.47 18-19/1940 |
| Mar. | Amt. Date | 0.30 13/1943 | 0.50 13/1943 | 0.63 13/1943 | 0.93 13/1943 | 1.10 13/1943 | 1.15 31-1/1948 |
| Apr. | Amt. Date | 0.37 27/1950 | 0.54 13/1948 | 0.61 19/1943 | 0.99 19/1943 | 1.87 19/1943 | 2.30 18-19/1943 |
| May | Amt. Date | 1.11 19/1943 | 1.20 16/1942 | 1.44 17/1950 | 1.67 19/1943 | 2.01 15-16/1942 | 2.50 15-16/1942 |
| Jun. | Amt. Date | 1.08 29/1946 | 1.40 14/1940 | 1.48 14/1940 | 1.48 14/1940 | 1.97 13-14/1947 | 2.96 13-14/1947 |
| Jul. | Amt. Date | 1.29 28/1945 | 1.35 28/1945 | 1.45 28/1945 | 1.79 13/1948 | 2.25 31-1/1948 | 3.00 31-1/1948 |
| Aug. | Amt. Date | 0.87 6/1940 | 1.29 1/1948 | 1.52 1/1948 | 1.78 1/1948 | 2.47 1/1948 | 3.00 31-1/1948 |
| Sep. | Amt. Date | 1.74 4/1941 | 1.79 4/1941 | 1.81 4/1941 | 1.82 4/1941 | 2.88 18/1944 | 3.89 18-19/1944 |
| Oct. | Amt. Date | 1.25 15/1942 | 1.59 15/1942 | 1.80 15/1942 | 2.62 15/1942 | 5.03 15/1942 | 7.54 14-15/1942 |
| Nov. | Amt. Date | 0.50a 3/1947 | 0.96 25/1950 | 1.28 25/1950 | 1.94 24-25/1950 | 1.97 24-25/1950 | 2.64 2-3/1947 |
| Dec. | Amt. Date | 0.75 4/1950 | 1.37 4/1950 | 1.76 4/1950 | 2.58 4/1950 | 2.76 3-4/1950 | 3.36 3-4/1950 |
| Annual | Amt. Date | 1.74 9/4/41 | 1.79 9/4/41 | 1.81 9/4/41 | 2.62 10/15/42 | 5.03 10/15/42 | 7.54 10/14-15/42 |

a Also 25/1950.

Station: MONTEBELLO FISH NURSERY, VIRGINIA

Drainage basin: MAURY

County: NELSON

Lat. 37° 51' N Long. 79° 07' W

Elev.(ft.) 2700

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------|--------------------|--------------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.70 1/1947 | 1.19 1/1947 | 1.49 1/1947 | 1.62 13-14/1940 | 1.93 13-14/1940 | 2.15 13-14/1940 |
| Feb. | Amt. Date | 0.28a 6/1942 | 0.50 6/1942 | 0.69 6/1942 | 1.00 6/1942 | 1.39 6/1942 | 1.75 18-19/1940 |
| Mar. | Amt. Date | 0.64b 14/1946 | 1.18b 14/1946 | 1.68 31/1948 | 2.73 31/1948 | 3.65 31/1948 | 3.85 31-1/1948 |
| Apr. | Amt. Date | 0.43 25/1945 | 0.75 4/1941 | 0.91 4/1941 | 1.63 4/1941 | 3.38 31-1/1948 | 3.85 31-1/1948 |
| May | Amt. Date | 1.52 15/1942 | 2.11 15/1942 | 2.71 15/1942 | 4.75 15-16/1942 | 7.76 15-16/1942 | 10.00 15-16/1942 |
| Jun. | Amt. Date | 1.76 9/1942 | 2.31 9/1942 | 2.40 8-9/1942 | 4.02 8-9/1942 | 4.66 8-9/1942 | 5.20 16-17/1949 |
| Jul. | Amt. Date | 1.51 30/1944 | 2.68 30/1944 | 2.70 30-31/1944 | 2.70 30-31/1944 | 2.70 30-31/1944 | 2.95 14-15/1945 |
| *Aug. | Amt. Date | 0.90 13/1940 | 1.58 13/1940 | 1.92 13/1940 | 2.52 13/1940 | 4.08 13-14/1940 | 7.00 13-14/1940 |
| Sep. | Amt. Date | 1.41 10/1950 | 1.56 19/1944 | 2.02 13/1945 | 2.75 13/1945 | 4.52 17-18/1945 | 6.59 17-18/1945 |
| Oct. | Amt. Date | 0.65 20/1944 | 1.11 20/1944 | 1.44 20/1944 | 2.26 15/1942 | 3.67 15/1942 | 5.80 14-15/1942 |
| Nov. | Amt. Date | 0.56 4/1950 | 0.82 19/1948 | 1.07 19/1948 | 1.71 19/1948 | 2.46 19-20/1948 | 3.52 19-20/1948 |
| Dec. | Amt. Date | 0.93 7/1950 | 1.73 7/1950 | 2.32 7/1950 | 3.08 7/1950 | 3.40 7/1950 | 4.14 3-4/1950 |
| Annual | Amt. Date | 1.76 6/9/42 | 2.68 7/30/44 | 2.71 5/15/42 | 4.75 5/15-16/42 | 7.76 5/15-16/42 | 10.00 5/15-16/42 |

a Also 14/1944.

b Also 31/1948.

Station: MONTEREY, VIRGINIA

Drainage basin: POTOMAC

County: HIGHLAND

Lat. 38° 25'N Long. 79° 36'W

Elev.(ft.) 2950

Period of record: 1940-1944

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|-----------------|--------------------|---------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.23 26/1943 | 0.36 3/1944 | 0.49 3/1944 | 0.77 26/1943 | 0.94 2-3/1944 | 1.26E 26-27/1943 |
| Feb. | Amt. Date | 0.29 22/1944 | 0.53 22/1944 | 0.72 22/1942 | 1.12 22/1942 | 1.42 22/1944 | 1.45 22/1944 |
| Mar. | Amt. Date | 0.26 17/1943 | 0.41 19/1943 | 0.58 19/1943 | 0.78 19/1943 | 1.02 12-13/1943 | 1.31 5-6/1943 |
| Apr. | Amt. Date | 0.38 24/1944 | 0.46 24/1944 | 0.50 11/1944 | 0.58 12/1944 | 0.98 19/1943 | 1.45 18-19/1943 |
| May | Amt. Date | 0.63 9/1943 | 0.80 31/1943 | 1.01 16/1942 | 1.63 15/1942 | 3.26 15-16/1942 | 3.92 15-16/1942 |
| Jun. | Amt. Date | 1.82 4/1940 | 2.80 4/1940 | 2.84 4/1940 | 2.88 4/1940 | 2.88 4/1940 | 2.88 4/1940 |
| Jul. | Amt. Date | 1.20 6/1943 | 1.67 6/1943 | 2.14 6/1943 | 2.16 6/1943 | 2.17 6/1943 | 2.18 5-6/1943 |
| Aug. | Amt. Date | 0.95 11/1942 | 1.12 11/1942 | 1.13 11/1942 | 1.25 12/1941 | 1.95 12/1941 | 2.23 7-8/1942 |
| Sep. | Amt. Date | 0.45 25/1940 | 0.50 25/1940 | 0.60 25/1940 | 1.00 18-19/1944 | 1.23 18-19/1944 | 2.04 18-19/1944 |
| Oct. | Amt. Date | 0.60 20/1940 | 0.61 20/1940 | 0.61 20/1940 | 0.69 25-26/1942 | 0.86a 25-26/1942 | 1.26 13-14/1942 |
| Nov. | Amt. Date | 0.37 1/1940 | 0.54 1/1940 | 0.65 1/1940 | 0.91 1/1940 | 1.17 1/1940 | 1.52 7-8/1943 |
| Dec. | Amt. Date | 0.36 24/1941 | 0.59 24/1941 | 0.61 24/1941 | 0.86 23-24/1941 | 1.04 23-24/1941 | 1.51 23-24/1941 |
| Annual | Amt. Date | 1.82 6/4/40 | 2.80 6/4/40 | 2.84 6/4/40 | 2.88 6/4/40 | 3.26 5/15-16/42 | 3.92 5/15-16/42 |

a Also 14/1942.

Station: MOUNT JACKSON, VIRGINIA

Drainage basin: SHENANDOAH

County: SHENANDOAH

Lat. 38° 45' N Long. 78° 39' W

Elev.(ft.) 1050

Period of record: 1940-1947 (Breaks)

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|--------------------|--------------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.24 14/1940 | 0.39 14/1940 | 0.43 14/1940 | 0.59 14/1940 | 0.94 27-28/1943 | 1.28 3-4/1944 |
| Feb. | Amt. Date | 0.25 22/1944 | 0.37 22/1944 | 0.43 22/1944 | 0.62 19/1946 | 0.73 13/1945 | 0.87 18-19/1940 |
| Mar. | Amt. Date | 0.32 17/1943 | 0.54 6/1943 | 0.64 6/1943 | 0.85 6/1943 | 1.29 6/1943 | 1.50 5-6/1943 |
| Apr. | Amt. Date | 0.33 25/1945 | 0.63 25/1945 | 0.81 25/1945 | 1.14 25/1945 | 1.26 25/1945 | 1.31 18-19/1943 |
| May | Amt. Date | 0.82 10/1943 | 1.14 19/1942 | 1.18 19/1942 | 1.21 19/1942 | 1.43 6/1944 | 1.66 21-22/1942 |
| Jun. | Amt. Date | 1.18 17/1945 | 1.33 17/1945 | 1.66 17/1945 | 2.02 17/1945 | 2.03 17/1945 | 2.03 17/1945 |
| Jul. | Amt. Date | 1.20 28/1945 | 2.10 28/1945 | 2.84 28/1945 | 3.08 28/1945 | 3.08 28/1945 | 3.69 28-29/1945 |
| Aug. | Amt. Date | 1.25 3/1945 | 2.43 3/1945 | 2.61 3/1945 | 2.66 3/1945 | 2.66 3/1945 | 2.66 3/1945 |
| Sep. | Amt. Date | 0.56 27/1942 | 0.89 27/1942 | 1.27 27/1942 | 1.37 25/1940 | 2.07 25/1940 | 2.77 17-18/1945 |
| Oct. | Amt. Date | 0.54 15/42 | 0.91 15/1942 | 1.04 15/1942 | 1.44 15/1942 | 2.76 15/1942 | 4.68 14-15/1942 |
| Nov. | Amt. Date | 0.27 12/1940 | 0.43 12/1940 | 0.53 12/1940 | 0.78 27-28/1945 | 1.09 27-28/1945 | 1.26 14-15/1940 |
| Dec. | Amt. Date | 0.42 24/1941 | 0.58 26/1940 | 0.74 25-26/1940 | 0.90 25-26/1940 | 0.92 25-26/1940 | 0.98E 26-27/1943 |
| Annual | Amt. Date | 1.25 8/3/45 | 2.43 8/3/45 | 2.84 7/28/45 | 3.08 7/28/45 | 3.08 7/28/45 | 4.68 10/14-15/42 |

Station: MOUNT WEATHER, VIRGINIA

Drainage basin: POTOMAC

County: LOUDOUN

Lat. 39° 04' N Long. 77° 54' W

Elev.(ft.) 1725

Period of record: 1940-1950 only*

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.36 19/1942 | 0.40 19/1942 | 0.50E 1/1948 | 0.81E 1/1948 | 1.16E 3/1944 | 1.70 3-4/1944 |
| Feb. | Amt. Date | 0.25 22/1944 | 0.37 11/1943 | 0.51 17/1940 | 0.86a 17/1940 | 1.28 17-18/1940 | 1.50 17-18/1940 |
| Mar. | Amt. Date | 0.52 30/1946 | 0.63 31/1948 | 0.80 31/1948 | 1.45 31/1948 | 1.80 31/1948 | 1.90 31-1/1948 |
| Apr. | Amt. Date | 0.53 30/1947 | 0.98 30/1947 | 1.20 30/1947 | 1.90 30/1947 | 1.95 30-1/1947 | 2.33 18-19/1943 |
| May | Amt. Date | 1.20 17/1950 | 1.26 23-24/1944 | 1.30 16/1942 | 1.68 16/1942 | 1.95b 16/1942 | 2.52 21-22/1942 |
| Jun. | Amt. Date | 1.03 17/1943 | 1.28 17/1943 | 1.30 17/1943 | 1.30 17/1943 | 1.61 16-17/1949 | 2.63 16-17/1949 |
| Jul. | Amt. Date | 1.84 2/1941 | 1.92 2/1941 | 2.00 31/1945 | 2.26 31/1945 | 2.26 31/1945 | 2.72 28-29/1945 |
| Aug. | Amt. Date | 1.75 3/1947 | 2.65 3-4/1947 | 3.05 3-4/1947 | 3.38 3-4/1947 | 3.38 3-4/1947 | 3.38 3-4/1947 |
| Sep. | Amt. Date | 1.47 12/1950 | 1.60 3/1943 | 2.08 3/1943 | 2.65 3/1943 | 2.98 20-21/1946 | 3.84 17-18/1945 |
| Oct. | Amt. Date | 1.25 15/1942 | 2.17 15/1942 | 2.78 14-15/1942 | 3.52 14-15/1942 | 4.37 14-15/1942 | 6.61 14-15/1942 |
| Nov. | Amt. Date | 0.99 8/1943 | 1.30 8/1943 | 1.43 25/1950 | 2.21 25/1950 | 2.54 24-25/1950 | 2.54 24-25/1950 |
| Dec. | Amt. Date | 0.62 4/1950 | 1.09 4/1950 | 1.56 4/1950 | 2.64 3-4/1950 | 3.23 3-4/1950 | 3.27 3-4/1950 |
| Annual | Amt. Date | 1.84 7/2/41 | 2.65 8/3-4/47 | 3.05 8/3-4/47 | 3.52 10/14-15/42 | 4.37 10/14-15/42 | 6.61 10/14-15/42 |

a Also 19/1946. b Also 30-1/1947.

* Given for comparative purposes see next page for complete record.

Station: MOUNT WEATHER, VIRGINIA

Drainage basin: POTOMAC

County: LOUDOUN

Lat. 39° 04' N Long. 77° 54' W

Elev.(ft.) 1725

Period of record: 1904-1914 (Breaks)
1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.36 19/1942 | 0.40 19/1942 | 0.50E 1/1948 | 0.81E 1/1948 | 1.16E 3/1944 | 1.70 3-4/1944 |
| Feb. | Amt. Date | 0.36 19/1909 | 0.56 19/1909 | 0.60 19/1909 | 0.86a 17/1940 | 1.28 17-18/1940 | 1.50 17-18/1940 |
| Mar. | Amt. Date | 0.52 30/1946 | 0.63 31/1948 | 0.87 14/1913 | 1.45 31/1948 | 1.80 31/1948 | 1.90 31-1/1948 |
| Apr. | Amt. Date | 0.75 14/1906 | 1.07 14/1906 | 1.42 14/1906 | 1.90 30/1947 | 2.51 14-15/1906 | 3.01 13-14/1909 |
| May | Amt. Date | 1.22 14/1905 | 1.38 14/1905 | 1.54 14/1905 | 1.68 16/1942 | 1.95b 16/1942 | 2.52 21-22/1942 |
| Jun. | Amt. Date | 1.28 5/1906 | 1.40c 22/1905 | 1.71 22/1905 | 1.81 22/1905 | 1.84 22/1905 | 2.63 16-17/1949 |
| Jul. | Amt. Date | 1.84 2/1941 | 1.92 2/1941 | 2.00 31/1945 | 2.26 31/1945 | 2.26 31/1945 | 2.72 28-29/1945 |
| Aug. | Amt. Date | 1.84 4/1911 | 3.09 4-5/1911 | 3.34 4/1911 | 3.73 4/1911 | 3.86 4-5/1911 | 4.18 30-31/1911 |
| Sep. | Amt. Date | 1.47 12/1950 | 1.60 3/1943 | 2.08 3/1943 | 2.94 24/1912 | 4.04 24/1912 | 5.37 23-24/1912 |
| Oct. | Amt. Date | 1.25 15/1942 | 2.17 15/1942 | 2.78 14-15/1942 | 3.52 14-15/1942 | 4.93 19-20/1906 | 6.61 14-15/1942 |
| Nov. | Amt. Date | 0.99 8/1943 | 1.30 8/1943 | 1.43 25/1950 | 2.21 25/1950 | 2.54 24-25/1950 | 2.54 24-25/1950 |
| Dec. | Amt. Date | 0.62 4/1950 | 1.09 4/1950 | 1.56 4/1950 | 2.64 3-4/1950 | 3.23 3-4/1950 | 3.27 3-4/1950 |
| Annual | Amt. Date | 1.84d 7/2/41 | 3.09 8/4-5/11 | 3.34 8/4/11 | 3.73 8/4/11 | 4.93 10/19-20/06 | 6.61 10/14-15/42 |

a Also 19/1946. b Also 30-1/1947. c Also 5/1906. d Also 8/4/1911.

April and June 1-hour and August 2-hour are true maxima.

Station: NORFOLK WB CITY, VIRGINIA

Drainage basin: CHESAPEAKE

County: NORFOLK

Lat. 36° 51'N Long. 76° 17'W

Elev.(ft.) 11

Period of record: 1940-1950 ONLY*

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.56 3/1944 | 0.97 13/1948 | 1.21 13/1948 | 1.55 13/1948 | 2.16 3/1944 | 2.54 2-3/1944 |
| Feb. | Amt. Date | 0.68 17/1942 | 1.02 17/1942 | 1.05 17/1942 | 1.48 16-17/1942 | 1.80 16-17/1942 | 2.06 10/1946 |
| Mar. | Amt. Date | 0.73 23/1949 | 0.83 23/1949 | 1.05 23/1949 | 1.23 2/1942 | 1.48 19/1944 | 2.17 19-20/1944 |
| Apr. | Amt. Date | 1.36 29/1950 | 1.40 29/1950 | 1.40 29/1950 | 1.78 29/1950 | 1.78 29/1950 | 1.91 25-26/1946 |
| May | Amt. Date | 1.09 13/1948 | 1.22 13/1948 | 1.23 13/1948 | 1.42 31/1948 | 2.16 31-1/1948 | 2.45 31-1/1948 |
| Jun. | Amt. Date | 1.30 11/1940 | 2.05 25-26/1945 | 2.89 25-26/1945 | 4.37 25-26/1945 | 4.97 25-26/1945 | 5.02 25-26/1945 |
| Jul. | Amt. Date | 1.70 2/1946 | 2.55 21/1947 | 2.65 21/1947 | 3.38 2/1946 | 3.60 2-3/1946 | 4.59 31-1/1949 |
| Aug. | Amt. Date | 3.67 1/1949 | 4.17 1/1949 | 4.24 1/1949 | 4.28 1/1949 | 4.28 1/1949 | 6.84 11/1942 |
| Sep. | Amt. Date | 1.83 29/1946 | 2.61 14/1944 | 3.17 14/1944 | 3.84 14/1944 | 3.87 14/1944 | 4.36 14-15/1944 |
| Oct. | Amt. Date | 1.26 28/1941 | 1.53 28/1941 | 1.84 28/1941 | 2.32 20/1944 | 3.50 30-1/1943 | 4.13 30-1/1943 |
| Nov. | Amt. Date | 1.26 3/1947 | 1.72 3/1947 | 1.88 3/1947 | 2.32 3/1947 | 2.52 3/1947 | 3.18 31-1/1949 |
| Dec. | Amt. Date | 0.77 5/1941 | 0.88 5/1941 | 0.99 7/1950 | 1.15 15/1947 | 1.35 15-16/1947 | 1.76 4-5/1945 |
| Annual | Amt. Date | 3.67 8/1/49 | 4.17 8/1/49 | 4.24 8/1/49 | 4.37 6/25-26/45 | 4.97 6/25-26/45 | 6.84 8/11/42 |

February 1-, and 2-hr, August 1-, and 24-hr, September 1-, 2-, and 24-hr, and November 1-, and 2-hr, are true maxima.

*Given for comparative purposes. See next page for complete record.

Station: NORFOLK WB CITY, VIRGINIA

Drainage basin: CHESAPEAKE

County: NORFOLK

Lat. 36° 51'N Long. 76° 17'W

Elev.(ft.) 11

Period of record: 1891-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------------------|-----------------|------------------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.69 7/1938 | 1.11 29/1937 | 1.42 28-29/1937 | 2.76 28-29/1937 | 3.69 28-29/1937 | 4.07 28-29/1937 |
| Feb. | Amt. Date | 0.68 17/1942 | 1.02 17/1942 | 1.05 17/1942 | 1.48 16-17/1942 | 2.04 3/1920 | 2.65 3-4/1920 |
| Mar. | Amt. Date | 0.81 ^a 17/1902 | 1.13 28/1934 | 1.45 28/1934 | 1.92 28/1934 | 2.08 3-4/1899 | 2.17 19-20/1944 |
| Apr. | Amt. Date | 1.36 29/1950 | 1.40 29/1950 | 1.42 25-26/1937 | 2.24 25-26/1937 | 3.25 25-26/1937 | 3.78 25-26/1937 |
| May | Amt. Date | 2.40 29/1929 | 2.63 29/1929 | 2.64 29/1929 | 2.76 28/1906 | 3.25 28/1906 | 3.34 28-29/1906 |
| Jun. | Amt. Date | 2.50 7/1937 | 2.69 7/1937 | 2.89 25-26/1945 | 4.37 25-26/1945 | 5.11 16-17/1893 | 5.97 16-17/1893 |
| Jul. | Amt. Date | 3.34 10/1939 | 4.80 10/1939 | 4.80 10/1939 | 4.81 10/1939 | 4.82 10-11/1939 | 5.00 9-10/1939 |
| Aug. | Amt. Date | 3.67 1/1949 | 4.74 14/1898 | 4.80 14/1898 | 5.86 20-21/1933 | 6.59 20-21/1933 | 6.84 11/1942 |
| Sep. | Amt. Date | 1.83 29/1946 | 2.61 14/1944 | 3.17 14/1944 | 3.84 14/1944 | 3.96 18/1936 | 4.84 30-1/1929 |
| Oct. | Amt. Date | 1.35 21/1904 | 1.55 16/1936 | 1.84 28/1941 | 2.86 1/1929 | 3.87 1/1929 | 4.84 30-1/1929 |
| Nov. | Amt. Date | 1.26 3/1947 | 1.72 3/1947 | 1.88 3/1947 | 3.07 8/1893 | 4.23 8/1893 | 5.48 8-9/1893 |
| Dec. | Amt. Date | 1.10 5/1912 | 1.83 5/1912 | 2.13 5/1912 | 2.48 4-5/1912 | 2.49 4-5/1912 | 2.49 4-5/1912 |
| Annual | Amt. Date | 3.67 8/1/49 | 4.80 7/10/39 | 4.80 ^b 7/10/39 | 5.86 8/20-21/33 | 6.59 8/20-21/33 | 6.84 8/11/42 |

All 1-, and 2-hr and January, June, July, August, September and November 24-hr amounts are true maxima.

a Also 21/1903. b Also 8/14/1898.

Station: PHILPOTT DAM, VIRGINIA

Drainage basin: SMITH

County: HENRY

Lat. 36° 47' N Long. 80° 02' W

Elev.(ft.) 831

Period of record: 1948-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|------------------|------------------|--------------------|---------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.26 5/1949 | 0.42 5/1949 | 0.54 5/1949 | 0.85 5/1949 | 1.12 5/1949 | 1.57 5/1949 |
| Feb. | Amt. Date | 0.20 1/1950 | 0.32 1/1950 | 0.34 1/1950 | 0.50 27/1949 | 0.54 27-28/1949 | 0.64a 19-20/1949 |
| Mar. | Amt. Date | 0.40 22/1949 | 0.68 22/1949 | 0.88 22/1949 | 1.18 22/1949 | 1.59 22/1949 | 1.61 22-23/1949 |
| Apr. | Amt. Date | 0.76 13/1949 | 1.08 29/1950 | 1.32 29/1950 | 1.66 29/1950 | 1.69 29-30/1950 | 1.81 29-30/1950 |
| May | Amt. Date | 1.40 10/1949 | 2.06 10/1949 | 2.08 10/1949 | 2.10b 2/1949 | 2.41 30-31/1950 | 2.93 30-31/1950 |
| Jun. | Amt. Date | 3.30 17/1949 | 4.18 17/1949 | 4.28 17/1949 | 4.28 17/1949 | 4.28 17/1949 | 4.28 17/1949 |
| Jul. | Amt. Date | 0.87 10/1949 | 0.98 10/1949 | 1.06 10/1949 | 1.11 10/1949 | 1.33 10/1949 | 1.68 10-11/1949 |
| Aug. | Amt. Date | 2.16 15/1949 | 2.97 15/1949 | 2.97 15/1949 | 3.31 15/1949 | 3.59 15/1949 | 4.15 15-16/1949 |
| Sep. | Amt. Date | 1.60 10/1950 | 2.20 10/1950 | 2.74 10/1950 | 3.13 10/1950 | 3.21 9-10/1950 | 3.40 9-10/1950 |
| Oct. | Amt. Date | 0.66 23/1950 | 0.98 23/1950 | 1.25 23/1950 | 1.49 23/1950 | 2.61 23-24/1950 | 2.65 23-24/1950 |
| Nov. | Amt. Date | 0.41 19/1948 | 0.56 19/1948 | 0.63 19/1948 | 1.01 28/1948 | 1.43 28/1948 | 1.77 28-29/1948 |
| Dec. | Amt. Date | 0.83 4/1950 | 1.12 4/1950 | 1.36 3-4/1950 | 1.72 3-4/1950 | 1.72 3-4/1950 | 2.71 3-4/1950 |
| Annual | Amt. Date | 3.30 6/17/49 | 4.18 6/17/49 | 4.28 6/17/49 | 4.28 6/17/49 | 4.28 6/17/49 | 4.28 6/17/49 |

a Also 13-14/1950.

b Also 10/1949.

Station: PULASKI, CAA APT, VIRGINIA

Drainage basin: NEW

County: PULASKI

Lat. 37° 05'N Long. 80° 47'W

Elev.(ft.) 2190

Period of record: 1941-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.41 18/1943 | 0.61 7/1946 | 0.73 7/1946 | 0.99 7/1946 | 1.26 7/1946 | 1.52 7-8/1946 |
| Feb. | Amt. Date | 0.32 17/1945 | 0.48 17/1945 | 0.64 17/1944 | 1.19 17/1944 | 2.00 17/1944 | 2.23 17/1944 |
| Mar. | Amt. Date | 0.48 27/1950 | 0.71 27/1950 | 0.83 27-28/1950 | 1.01 27-28/1950 | 1.39E 6-7/1948 | 1.55 6-7/1948 |
| Apr. | Amt. Date | 1.16 6/1948 | 1.63 6/1948 | 1.79 6/1948 | 2.14 6/1948 | 2.17 6-7/1948 | 2.81 6-7/1948 |
| May | Amt. Date | 0.85 9/1949 | 0.88a 19/1942 | 0.96 19/1942 | 1.33 25/1943 | 1.49 5-6/1944 | 1.74 30-1/1949 |
| Jun. | Amt. Date | 0.85 10/1943 | 1.32 30/1947 | 1.33 20/1947 | 1.97 16-17/1949 | 2.57 16-17/1949 | 2.69 16-17/1949 |
| Jul. | Amt. Date | 1.49 21/1949 | 2.20 21/1949 | 2.32 21/1949 | 2.42 21/1949 | 2.75 1/1946 | 2.86 1-2/1946 |
| Aug. | Amt. Date | 1.77 13/1949 | 2.57 13/1949 | 2.65 13/1949 | 3.14 13/1949 | 3.15 13/1949 | 3.74 15-16/1949 |
| Sep. | Amt. Date | 1.59 13/1945 | 2.46 13/1945 | 2.68 13/1945 | 2.75 13/1945 | 2.77 13/1945 | 2.89 13-14/1945 |
| Oct. | Amt. Date | 0.70 28/1949 | 0.77 28/1949 | 0.93 20/1944 | 1.58 20/1944 | 2.14 20/1944 | 2.22 20/1944 |
| Nov. | Amt. Date | 0.31 8/1943 | 0.53 31-1/1942 | 0.71 6/1941 | 1.09 28/1948 | 1.36 28/1948 | 1.86 28-29/1948 |
| Dec. | Amt. Date | 0.32 7/1950 | 0.56 3/1950 | 0.68 3/1948 | 1.00 3/1948 | 1.48 3/1948 | 2.20 3/1948 |
| Annual | Amt. Date | 1.77 8/13/49 | 2.57 8/13/49 | 2.68 9/13/45 | 3.14 8/13/49 | 3.15 8/13/49 | 3.74 8/15-16/49 |

a. Also 9/1949.

Station: RANDOLPH, VIRGINIA

Drainage basin: ROANOKE

County: CHARLOTTE

Lat. 36° 54'N Long. 78° 43'W

Elev.(ft.) 334

Period of record: 1943-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|--------------------|-----------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.36 15/1945 | 0.70 3/1944 | 0.88 3/1944 | 1.22 3/1944 | 1.87 2-3/1944 | 2.02 2-3/1944 |
| Feb. | Amt. Date | 0.28 13/1945 | 0.52 13/1945 | 0.67 13/1945 | 1.02 13/1945 | 1.80 13/1945 | 1.84 12-13/1945 |
| Mar. | Amt. Date | 0.84 23/1949 | 0.95 23/1949 | 0.96 22-23/1949 | 1.19 27/1948 | 1.47 12/1944 | 1.52 12/1944 |
| Apr. | Amt. Date | 1.05 8/1946 | 1.15 8/1946 | 1.15 8/1946 | 1.54 11/1944 | 1.63 11-12/1944 | 2.45 11-12/1944 |
| May | Amt. Date | 1.10 27/1944 | 1.20 27/1944 | 1.26 26/1948 | 2.01 26/1948 | 2.18 26/1948 | 2.18 26/1948 |
| Jun. | Amt. Date | 1.78 22/1948 | 1.84 22/1948 | 1.86 22/1948 | 1.86 22/1948 | 1.86 22/1948 | 1.86 22/1948 |
| Jul. | Amt. Date | 1.10 27/1945 | 1.14 27/1945 | 1.42 19-20/1944 | 2.15 27/1945 | 2.15 27/1945 | 2.15 27/1945 |
| Aug. | Amt. Date | 1.02a 11/1947 | 1.96 12/1949 | 1.98 12/1949 | 2.03 12/1949 | 2.12 16/1949 | 2.32 15-16/1949 |
| Sep. | Amt. Date | 1.55 17/1945 | 2.58 17/1945 | 3.21 19/1944 | 4.71 19/1944 | 6.97 24/1947 | 7.84 24-25/1947 |
| Oct. | Amt. Date | 0.76 30/1949 | 1.27 30/1949 | 1.65 30/1949 | 2.14 30/1949 | 2.54 30-31/1949 | 2.84 30-31/1949 |
| Nov. | Amt. Date | 0.34 22/1945 | 0.58 28/1948 | 0.78 28/1948 | 1.20 28/1948 | 1.62 28/1948 | 1.95 28-29/1948 |
| Dec. | Amt. Date | 0.26 3/1948 | 0.45 25/1945 | 0.55 25/1945 | 0.82 25/1945 | 1.22 25/1945 | 1.49 3-4/1948 |
| Annual | Amt. Date | 1.78 6/22/48 | 2.58 9/17/45 | 3.21 9/19/44 | 4.71 9/19/44 | 6.97 9/24/47 | 7.84 9/24-25/47 |

a Also 12/1949.

Station: RICHMOND WB APT., VIRGINIA

Drainage basin: JAMES

County: HENRICO

Lat. 37° 30'N Long. 77° 20'W

Elev.(ft.) 160

Period of record: 1941-1942
1946-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------------------|-----------------|------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.27 ^a 28/1942 | 0.49 13/1948 | 0.74 13/1948 | 1.09 13/1948 | 1.47 13/1948 | 1.99 12-13/1948 |
| Feb. | Amt. Date | 0.24 20/1947 | 0.43 20/1947 | 0.60 20/1947 | 0.83 20/1947 | 1.17 20/1947 | 1.25 20/1947 |
| Mar. | Amt. Date | 0.56 27/1948 | 0.78 28/1942 | 0.90 28/1942 | 1.18 28/1942 | 1.40 28/1942 | 2.20 28/1942 |
| Apr. | Amt. Date | 0.54 9/1942 | 0.72 8/1948 | 0.82 8/1948 | 0.85 8/1948 | 1.05 1/1948 | 1.05 1/1948 |
| May | Amt. Date | 0.84 25/1947 | 1.06 25/1947 | 1.08 25/1947 | 1.09 25/1947 | 1.21 25/1947 | 1.74 10-11/1949 |
| Jun. | Amt. Date | 1.45 27/1948 | 1.51 27/1948 | 1.57 27/1948 | 1.58 27/1948 | 1.58 27/1948 | 2.65 28-29/1949 |
| Jul. | Amt. Date | 2.15 16/1949 | 2.90 16/1949 | 3.45 16/1949 | 3.76 23/1946 | 4.44 23/1946 | 4.59 22-23/1946 |
| Aug. | Amt. Date | 1.81 3/1942 | 1.93 3/1942 | 2.16 3/1942 | 2.36 3/1942 | 2.54 3-4/1948 | 3.88 3-4/1948 |
| Sep. | Amt. Date | 1.10 24/1946 | 1.62 24/1946 | 1.77 24/1946 | 1.99 24-25/1947 | 2.49 24-25/1947 | 3.37 24-25/1947 |
| Oct. | Amt. Date | 0.67 28/1949 | 1.24 28/1949 | 1.54 28/1949 | 1.69 28/1949 | 1.84 28-29/1949 | 2.31 4-5/1948 |
| Nov. | Amt. Date | 0.48 4/1950 | 0.91 3/1947 | 0.97 3/1947 | 1.25 3/1947 | 1.60 3/1947 | 2.56 3/1947 |
| Dec. | Amt. Date | 0.47 5/1941 | 0.65 5/1941 | 0.67 4-5/1941 | 0.99 30/1948 | 1.42 30/1948 | 1.47 12-13/1941 |
| Annual | Amt. Date | 2.15 7/16/49 | 2.90 7/16/49 | 3.45 7/16/49 | 3.76 7/23/46 | 4.44 7/23/46 | 4.59 7/22-23/46 |

^a Also 13/1948.

Station: RICHMOND WB CITY, VIRGINIA

Drainage basin: JAMES

County: HENRICO

Lat. 37° 32'N Long. 77° 25'W

Elev.(ft) 162

Period of record: 1940-1950 ONLY*

| Month | | Duration (hours) | | | | | |
|--------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.33a 3/1944 | 0.59 28/1942 | 0.82 13/1948 | 1.21 13/1948 | 1.68 13/1948 | 2.29 12-13/1948 |
| Feb. | Amt. Date | 0.25 10/1946 | 0.42 26/1944 | 0.58 26/1944 | 0.91 18/1940 | 1.49 20/1947 | 1.64 20/1947 |
| Mar. | Amt. Date | 1.07 27/1943 | 1.12 27/1943 | 1.15 27/1943 | 1.48 27/1943 | 1.73 27-28/1943 | 2.22 28/1942 |
| Apr. | Amt. Date | 0.67 19-20/1940 | 0.83 19-20/1940 | 1.14 19-20/1940 | 1.92 19-20/1940 | 2.19 19-20/1940 | 2.22 19-20/1940 |
| May | Amt. Date | 1.70 31/1942 | 1.84 31/1942 | 1.84 31/1942 | 2.05 31-1/1942 | 2.18 31-1/1942 | 2.18 31-1/1942 |
| Jun. | Amt. Date | 1.42 11/1943 | 1.88 28/1949 | 1.92 28/1949 | 2.19 28/1949 | 2.22 28/1949 | 3.06 28-29/1949 |
| Jul. | Amt. Date | 2.41 14/1948 | 2.50 14/1948 | 2.67 14/1948 | 3.78 23/1946 | 4.89 23/1946 | 5.73 17-18/1945 |
| Aug. | Amt. Date | 1.51 3/1942 | 1.75b 3/1942 | 2.02 19/1941 | 2.13 19/1941 | 3.06 14-15/1940 | 4.77 14-15/1940 |
| Sep. | Amt. Date | 1.30 4/1941 | 1.49 24/1947 | 2.07 24/1947 | 3.33 24-25/1947 | 3.83 24-25/1947 | 4.92 24-25/1947 |
| Oct. | Amt. Date | 1.96 30/1949 | 2.23 30/1949 | 2.39 30/1949 | 2.56 30/1949 | 3.27 30-31/1949 | 3.53 30-31/1949 |
| Nov. | Amt. Date | 0.62 6/1948 | 0.80 8/1943 | 0.89 1/1949 | 1.21 27/1944 | 1.84 27/1944 | 2.44 27-28/1944 |
| Dec. | Amt. Date | 0.61 4/1950 | 0.84 4/1950 | 0.94 4/1950 | 1.24 4/1950 | 1.58 4/1950 | 1.80 12-13/1941 |
| Annual | Amt. Date | 2.41 7/14/48 | 2.50 7/14/48 | 2.67 7/14/48 | 3.78 7/23/46 | 4.89 7/23/46 | 5.73 7/17-18/45 |

a Also 13/1948. b Also 20/1950. *Given for comparative purposes see next page for complete record.

May 1-, 2-hr and October 1-hr are true maxima.

Station: RICHMOND WB CITY, VIRGINIA

Drainage basin: JAMES

County: HENRICO

Lat. 37° 32'N Long. 77° 25'W

Elev.(ft.) 162

Period of record: 1898-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------|-----------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.84 14/1930 | 0.98 14/1930 | 1.13 2/1903 | 1.67 28-29/1937 | 2.41 23/1935 | 2.66 9-10/1921 |
| Feb. | Amt. Date | 0.92 21/1900 | 1.03 21/1900 | 1.13 21/1900 | 1.44 16/1903 | 2.41 3/1920 | 3.30 3-4/1920 |
| Mar. | Amt. Date | 1.38 21/1903 | 1.55 21/1903 | 1.56 21/1903 | 2.04 15/1912 | 3.01 15/1912 | 3.59 21-22/1903 |
| Apr. | Amt. Date | 1.07 17/1910 | 1.30 18/1910 | 1.57 17/1910 | 2.50 27/1928 | 2.86 17-18/1910 | 5.33 17-18/1910 |
| May | Amt. Date | 1.70 31/1942 | 1.84 31/1942 | 1.84 31/1942 | 2.24 6-7/1907 | 2.36 6-7/1907 | 2.39 6-7/1907 |
| Jun. | Amt. Date | 2.45 3/1920 | 2.61 3/1920 | 2.73 3/1920 | 2.78a 16/1902 | 3.03 27-28/1938 | 3.69 27-28/1938 |
| Jul. | Amt. Date | 4.07 30/1923 | 6.33 30/1923 | 7.04 30/1923 | 7.24 30/1923 | 7.24 30/1923 | 7.26 30-31/1923 |
| Aug. | Amt. Date | 3.69 20/1931 | 4.48 20/1931 | 4.60 20/1931 | 4.74 20/1931 | 4.74 20/1931 | 5.71 20-21/1931 |
| Sep. | Amt. Date | 2.02 22/1907 | 2.04 22/1907 | 2.31 5/1935 | 3.49 5/1935 | 6.00 5-6/1935 | 6.68 5-6/1935 |
| Oct. | Amt. Date | 1.96 30/1949 | 2.24 22/1929 | 3.57 22/1929 | 4.21 22/1929 | 4.55 22/1929 | 4.81 21-22/1929 |
| Nov. | Amt. Date | 0.71 18/1902 | 0.80b 18/1902 | 1.00 18/1902 | 1.82 18/1902 | 2.72 18/1902 | 2.77 18/1902 |
| Dec. | Amt. Date | 0.97 13/1909 | 1.39 13/1909 | 1.57 13/1909 | 1.94 13/1909 | 2.19 13/1909 | 2.52 12-13/1909 |
| Annual | Amt. Date | 4.07 7/30/23 | 6.33 7/30/23 | 7.04 7/30/23 | 7.24 7/30/23 | 7.24 7/30/23 | 7.26 7/30-31/23 |

All 1-, 2-, and 24-hour amounts except for June are true maxima.

a Also 3/1920.

b Also 8/1943.

Station: ROANOKE WB APT., VIRGINIA

Drainage basin: ROANOKE

County: ROANOKE

Lat. 37° 19'N Long. 79° 58'W

Elev.(ft) 1192

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|-----------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.25 30/1946 | 0.50 30/1946 | 0.55 30/1946 | 0.73 19-20/1947 | 1.12 19-20/1947 | 1.50 19-20/1947 |
| Feb. | Amt. Date | 0.29 1/1950 | 0.52 1/1950 | 0.74 10/1946 | 1.13 10/1946 | 1.72 17/1944 | 1.79 17/1944 |
| Mar. | Amt. Date | 0.58 17/1943 | 0.73 22/1949 | 0.91 5/1945 | 1.37 22/1949 | 1.63 22/1949 | 1.63 22/1949 |
| Apr. | Amt. Date | 0.43 2/1947 | 0.71 19/1943 | 1.00 19/1943 | 1.60 19/1943 | 2.40 19/1943 | 3.12 18-19/1943 |
| May | Amt. Date | 0.90 19/1942 | 1.23 31/1950 | 1.43 19/1942 | 2.04 30/1940 | 2.73 30/1940 | 3.50 23-24/1940 |
| Jun. | Amt. Date | 1.56 14/1943 | 1.56 14/1943 | 1.56 14/1943 | 2.36 15-16/1948 | 2.92 13-14/1947 | 3.91 13-14/1947 |
| Jul. | Amt. Date | 1.79 7/1943 | 2.47 7/1943 | 2.52 7/1943 | 2.53 7/1943 | 2.53 7/1943 | 2.56 14-15/1945 |
| Aug. | Amt. Date | 1.14 13/1949 | 2.07 13/1949 | 2.07 13/1949 | 3.68 14/1940 | 4.86 14/1940 | 6.25 13-14/1940 |
| Sep. | Amt. Date | 1.19 10/1950 | 1.27 10/1950 | 2.06 10/1950 | 2.58 10/1950 | 4.11 18/1944 | 5.83 17-18/1944 |
| Oct. | Amt. Date | 0.63 25/1946 | 1.08 25/1946 | 1.34 25/1946 | 1.71 25/1946 | 2.23 20/1944 | 2.98 9-10/1947 |
| Nov. | Amt. Date | 0.50 3/1947 | 0.80 3/1947 | 1.07 3/1947 | 1.89 2-3/1947 | 2.72 2-3/1947 | 2.92 2-3/1947 |
| Dec. | Amt. Date | 0.46 7/1950 | 0.86 7/1950 | 1.03 7/1950 | 1.83 7/1950 | 2.44 3/1948 | 3.42 3-4/1948 |
| Annual | Amt. Date | 1.79 7/7/43 | 2.47 7/7/43 | 2.52 7/7/43 | 3.68 8/14/40 | 4.86 8/14/40 | 6.25 8/13-14/40 |

Station: SPRING CREEK, VIRGINIA*

Drainage basin: CLINCH

County: TAZEWELL

Lat. 37° 00'N Long. 81° 39'W

Elev.(ft.) 3150

Period of record: 1940-1950 (BREAKS)

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|--------------------|---------------------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.42 6/1946 | 0.77 6/1946 | 0.92 6/1946 | 1.22 6/1946 | 1.56 6-7/1946 | 1.97 6-7/1946 |
| Feb. | Amt. Date | 0.39 17/1945 | 0.65 17/1945 | 0.72 17/1945 | 1.20 17/1945 | 1.94 17/1944 | 2.07 17/1944 |
| Mar. | Amt. Date | 0.51 23/1948 | 0.59 23/1948 | 0.79 27/1950 | 1.06 27/1950 | 1.07 13/1943 | 1.16 8/1946 |
| Apr. | Amt. Date | 0.52 7/1948 | 0.62 8/1946 | 0.73 8/1946 | 0.96 7/1948 | 0.96 7/1948 | 1.55 6-7/1948 |
| May | Amt. Date | 1.09 24/1944 | 1.51 9/1943 | 1.51 9/1943 | 1.51 9/1943 | 1.51 9/1943 | 2.17 19-20/1942 |
| Jun. | Amt. Date | 1.17 27/1948 | 1.48 27/1948 | 1.50 27/1948 | 1.71 12/1946 | 1.71 12/1946 | 1.76 12-13/1946 |
| Jul. | Amt. Date | 1.35 26/1942 | 1.35 26/1942 | 1.40 26/1942 | 1.40 26/1942 | 1.43 26/1942 | 1.89 4-5/1941 |
| Aug. | Amt. Date | 1.31 5/1943 | 1.72 15/1950 | 2.47 15/1950 | 2.76 15/1950 | 4.11 15-16/1950 | 4.22 15-16/1950 |
| Sep. | Amt. Date | 0.86 6/1947 | 1.44 2/1943 | 1.57 2/1943 | 1.70 29/1944 | 2.13 29-30/1944 | 2.59 26-27/1942 |
| Oct. | Amt. Date | 0.39 20/1944 | 0.74 20/1944 | 0.84 ^a 25-26/1942 | 1.25 20/1944 | 1.68 20/1944 | 1.68 20/1944 |
| Nov. | Amt. Date | 0.35 23/1941 | 0.40 1/1941 | 0.50 28/1948 | 0.77 28/1948 | 0.92 1/1949 | 1.23 28-29/1948 |
| Dec. | Amt. Date | 0.70 24/1941 | 1.09 23-24/1941 | 1.19 23-24/1941 | 1.81 23-24/1941 | 1.81 23-24/1941 | 1.83 3/1948 |
| Annual | Amt. Date | 1.35 7/26/42 | 1.72 8/15/50 | 2.47 8/15/50 | 2.76 8/15/50 | 4.11 8/15-16/50 | 4.22 8/15-16/50 |

*Formerly Tannersville.

a Also 20/1944.

Station: STAR TANNERY, VIRGINIA

Drainage basin: SHENANDOAH

County: FREDERICK

Lat. 39° 05' N Long. 78° 26' W

Elev.(ft.) 950

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------------------|--------------------|------------------------------|---------------------|---------------------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.32 18/1943 | 0.45 1/1948 | 0.57 1/1948 | 0.95 1/1948 | 1.30 28/1943 | 1.40 27-28/1943 |
| Feb. | Amt. Date | 0.25 28/1945 | 0.38 19/1946 | 0.49 19/1946 | 0.75 20/1947 | 1.04 20/1947 | 1.14 20-21/1947 |
| Mar. | Amt. Date | 0.30 17/1943 | 0.35 ^a 13/1943 | 0.53 13/1943 | 0.80 13/1943 | 1.25 12/1944 | 1.81 28-29/1942 |
| Apr. | Amt. Date | 0.79 27/1948 | 1.12 27/1948 | 1.12 27/1948 | 1.12 27/1948 | 1.70 27/1948 | 1.91 27-28/1948 |
| May | Amt. Date | 1.36 26/1940 | 1.60 17/1945 | 1.84 26/1940 | 1.97 26-27/1940 | 2.00 26-27/1940 | 2.09 26-27/1940 |
| Jun. | Amt. Date | 0.92 10/1945 | 1.81 10/1945 | 2.00 10/1945 | 2.09 10/1945 | 2.09 10/1945 | 2.71 1-2/1946 |
| Jul. | Amt. Date | 1.60 29/1941 | 1.76 29/1941 | 1.76 29/1941 | 1.76 ^b 29/1941 | 1.91 9-10/1950 | 2.84 3-4/1941 |
| Aug. | Amt. Date | 1.47 25/1947 | 1.52 25/1947 | 1.55 25/1947 | 1.66 31-1/1945 | 1.67 31-1/1945 | 1.98 1-2/1946 |
| Sep. | Amt. Date | 1.43 9/1945 | 1.43 9/1945 | 1.52 14-15/1945 | 1.59 14-15/1945 | 1.77 17-18/1945 | 3.03 17-18/1945 |
| Oct. | Amt. Date | 0.70 14/1942 | 1.33 14-15/1942 | 1.66 14-15/1942 | 2.60 14-15/1942 | 4.57 14-15/1942 | 7.98 14-15/1942 |
| Nov. | Amt. Date | 0.45 25/1950 | 0.84 25/1950 | 1.24 25/1950 | 1.96 24-25/1950 | 2.18 24-25/1950 | 2.20 ^c 24-25/1950 |
| Dec. | Amt. Date | 0.68 24/1941 | 1.01 24/1941 | 1.01 24/1941 | 1.53 4/1950 | 1.85 3-4/1950 | 1.99 3-4/1950 |
| Annual | Amt. Date | 1.60 7/29/41 | 1.81 6/10/45 | 2.00 6/10/45 | 2.60 10/14-15/42 | 4.57 10/14-15/42 | 7.98 10/14-15/42 |

a Also 2/1948 and E 2/1942. b Also 3/1941. c Also 3-4/1947.

Station: STONY CREEK, VIRGINIA

Drainage basin: NOTTOWAY

County: SUSSEX

Lat. 36° 57'N Long. 77° 24'W

Elev.(ft) 77

Period of record: 1941-1950 (BREAKS)

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------------------|------------------------------|------------------|------------------|---------------------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.66 13/1948 | 0.87 13/1948 | 1.05 13/1948 | 1.37 13/1948 | 1.62 13/1948 | 1.80 12-13/1948 |
| Feb. | Amt. Date | 0.49 7/1949 | 0.68 13/1945 | 0.88 13/1945 | 1.43 13/1945 | 1.89 13/1945 | 1.89 13/1945 |
| Mar. | Amt. Date | 0.60 2/1942 | 0.86 ^a 2/1942 | 1.04 2/1942 | 1.21 2/1942 | 1.23 28/1942 | 1.91 27-28/1942 |
| Apr. | Amt. Date | 1.05 29/1950 | 1.06 29/1950 | 1.24 5/1941 | 1.55 4-5/1941 | 1.68 4-5/1941 | 1.68 4-5/1941 |
| May | Amt. Date | 1.44 29/1950 | 1.44 29/1950 | 1.44 ^b 28/1946 | 1.51 28/1946 | 2.40 26/1945 | 2.82 ^B 26-27/1945 |
| Jun. | Amt. Date | 2.23 28/1946 | 2.30 28/1946 | 2.30 28/1946 | 2.45 28/1946 | 2.48 29/1949 | 2.58 28-29/1949 |
| Jul. | Amt. Date | 3.23 5/1943 | 4.01 5/1943 | 4.18 5/1943 | 4.21 5/1943 | 4.21 5/1943 | 4.37 5-6/1943 |
| Aug. | Amt. Date | 2.68 15/1949 | 2.73 15/1949 | 2.76 15/1949 | 3.12 15/1949 | 3.23 15/1949 | 3.60 15-16/1949 |
| Sep. | Amt. Date | 1.88 12/1950 | 3.00 7/1943 | 3.01 7/1943 | 3.01 7/1943 | 3.01 7/1943 | 3.56 7-8/1943 |
| Oct. | Amt. Date | 0.50 12/1946 | 0.68 9-10/1947 | 0.86 20/1944 | 1.28 20/1944 | 1.60 20/1944 | 2.17 8-9/1946 |
| Nov. | Amt. Date | 1.20 6/1948 | 1.51 6/1948 | 1.52 6-7/1948 | 1.55 6-7/1948 | 1.55 6-7/1948 | 1.83 31-1/1949 |
| Dec. | Amt. Date | 0.70 4/1941 | 0.82 4-5/1941 | 1.20 30/1948 | 1.65 30/1948 | 2.00 30/1948 | 2.05 29-30/1948 |
| Annual | Amt. Date | 3.23 7/5/43 | 4.01 7/5/43 | 4.18 7/5/43 | 4.21 7/5/43 | 4.21 7/5/43 | 4.37 7/5-6/43 |

a Also 4/1944.

b Also 29/1950.

Station: TROUT DALE, VIRGINIA

Drainage basin: NEW

County: GRAYSON

Lat. 36° 42'N Long. 81° 26'W

Elev.(ft) 3100

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------|-----------------|-----------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.61 7/1946 | 0.75 7/1946 | 0.96 7/1946 | 1.09 7/1946 | 1.46 1/1942 | 1.87 19-20/1947 |
| Feb. | Amt. Date | 0.44 9/1950 | 0.55 9/1950 | 0.74 10/1946 | 1.16 17/1945 | 1.71 10/1946 | 2.08 9-10/1946 |
| Mar. | Amt. Date | 0.68 14/1946 | 1.08 14/1946 | 1.30 14/1946 | 1.42 14/1946 | 1.50 14/1946 | 1.59 14-15/1946 |
| Apr. | Amt. Date | 0.53 30/1950 | 0.67 30/1950 | 0.90 13/1949 | 1.19 19/1943 | 1.73 18-19/1943 | 2.60 12-13/1949 |
| May | Amt. Date | 1.32 3/1946 | 2.23 3/1946 | 2.46 3/1946 | 2.67 3/1946 | 2.76 3-4/1946 | 3.53 17/1945 |
| Jun. | Amt. Date | 1.23 22/1942 | 1.65 22/1942 | 2.06 22/1942 | 2.09 22/1942 | 2.09 22/1942 | 2.11 22/1942 |
| Jul. | Amt. Date | 2.20 9/1943 | 2.72 20/1949 | 2.74 20/1949 | 2.75 20/1949 | 2.85 30/1940 | 2.93 29-30/1940 |
| Aug. | Amt. Date | 1.25 4/1947 | 2.02 3/1947 | 2.18 3/1947 | 2.85 3/1947 | 4.10 13-14/1940 | 5.19 13-14/1940 |
| Sep. | Amt. Date | 0.63 6/1949 | 0.81 1-2/1945 | 0.88 27/1942 | 1.49 29/1944 | 1.99 28-29/1944 | 2.61 29-30/1944 |
| Oct. | Amt. Date | 0.48 8/1950 | 0.69 20/1944 | 0.98 20/1944 | 1.66 20/1944 | 2.22 20/1944 | 2.33 20/1944 |
| Nov. | Amt. Date | 0.35 8/1943 | 0.59 8/1943 | 0.88 8/1943 | 1.47 28/1948 | 1.71 28/1948 | 2.12 7-8/1943 |
| Dec. | Amt. Date | 0.63 7/1950 | 1.06 7/1950 | 1.33 7/1950 | 2.07 7/1950 | 3.06 7/1950 | 3.12 6-7/1950 |
| Annual | Amt. Date | 2.20 7/9/43 | 2.72 7/20/49 | 2.74 8/3/47 | 2.85 8/3/47 | 4.10 8/13-14/40 | 5.19 8/13-14/40 |

Station: WHITE GATE, VIRGINIA

Drainage basin: NEW

County: GILES

Lat. 37° 12'N Long. 80° 50'W

Elev.(ft.) 1850

Period of record: 1940-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------------------|-----------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.39 26/1943 | 0.67 7/1946 | 0.78 7/1946 | 1.14 7/1946 | 1.37 7/1946 | 1.89 14-15/1947 |
| Feb. | Amt. Date | 0.28 17/1944 | 0.47 17/1944 | 0.71 17/1944 | 1.26 17/1944 | 2.11 17/1944 | 2.37 17/1944 |
| Mar. | Amt. Date | 0.45 14/1946 | 0.85 14/1946 | 1.10 14/1946 | 1.27 23/1948 | 1.45 23-24/1948 | 1.76 23-24/1948 |
| Apr. | Amt. Date | 0.55 3/1940 | 0.63 3/1940 | 0.99 6/1948 | 1.40 6/1948 | 1.47 19/1940 | 2.29 19-20/1940 |
| May | Amt. Date | 0.73 11/1943 | 1.11 2/1950 | 1.54 2/1950 | 1.80 2-3/1950 | 1.90 2-3/1950 | 2.54 2-3/1950 |
| Jun. | Amt. Date | 1.30 22/1943 | 1.40 29/1949 | 1.73 16/1949 | 2.94 16-17/1949 | 4.00 16-17/1949 | 4.25 16-17/1949 |
| Jul. | Amt. Date | 0.85 14/1945 | 1.24 14/1945 | 1.32 5/1941 | 1.49 5/1941 | 1.81 5/1941 | 2.43 4-5/1941 |
| Aug. | Amt. Date | 1.55 22/1947 | 1.92 3/1949 | 2.12 3/1949 | 2.38 3/1949 | 2.68 14/1940 | 3.49 13-14/1940 |
| Sep. | Amt. Date | 1.29 2/1941 | 1.56 29/1945 | 1.56 29/1945 | 1.72 29/1945 | 2.23 29/1945 | 2.36 13-14/1945 |
| Oct. | Amt. Date | 0.39 15/1942 | 0.58 20/1944 | 0.83 20/1944 | 1.36 20/1944 | 1.87 20/1944 | 2.01 20-21/1944 |
| Nov. | Amt. Date | 0.41 6/1948 | 0.53 ^a 6/1941 | 0.70 1/1949 | 1.01 28/1948 | 1.33 28/1948 | 1.80 28-29/1948 |
| Dec. | Amt. Date | 0.50 3/1950 | 0.75 7/1950 | 0.97 7/1950 | 1.47 7/1950 | 2.00 7/1950 | 2.25 2-3/1948 |
| Annual | Amt. Date | 1.55 8/22/47 | 1.92 8/3/49 | 2.12 8/3/49 | 2.94 6/16-17/49 | 4.00 6/16-17/49 | 4.25 6/16-17/49 |

^a Also 6/1948.

Station: WILLIAMSBURG, VIRGINIA

Drainage basin: JAMES

County: JAMES CITY

Lat. 37° 16'N Long. 76° 42'W

Elev.(ft.) 70

Period of record: 1941-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|------------------|-----------------|-----------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.48 3/1944 | 0.86 3/1944 | 1.12 3/1944 | 1.66 3/1944 | 2.27 3/1944 | 2.45 2-3/1944 |
| Feb. | Amt. Date | 0.77 7/1949 | 0.96 7/1949 | 1.12 7/1949 | 1.27 7/1949 | 1.49 13/1945 | 1.52 13/1945 |
| Mar. | Amt. Date | 0.52 17/1946 | 0.82 7/1944 | 0.90 7/1944 | 1.10 28/1942 | 1.38 6/1943 | 2.21 28-29/1942 |
| Apr. | Amt. Date | 1.47 14/1945 | 1.92 14/1945 | 2.22 14/1945 | 2.28 14/1945 | 2.28 14/1945 | 2.28 14/1945 |
| May | Amt. Date | 1.40 20/1943 | 1.75 20/1943 | 1.76 20/1943 | 1.78 20/1943 | 2.30 20-21/1943 | 2.38 10-11/1949 |
| Jun. | Amt. Date | 1.09 17/1949 | 1.10 17/1949 | 1.10 17/1949 | 1.18 22/1942 | 1.52 17/1949 | 1.98 21-22/1946 |
| Jul. | Amt. Date | 1.59 22/1945 | 1.61a 22/1945 | 1.91 22/1945 | 3.66 22/1945 | 3.89 22-23/1945 | 3.89 22-23/1945 |
| Aug. | Amt. Date | 2.05 28/1949 | 2.28 13/1942 | 2.80 13/1942 | 3.53 13/1942 | 3.59 13/1942 | 4.67 12-13/1942 |
| Sep. | Amt. Date | 1.39 7/1942 | 2.02 7/1942 | 2.04 7/1942 | 2.23 7/1942 | 2.57 7/1942 | 3.00 17-18/1945 |
| Oct. | Amt. Date | 0.84 5/1942 | 1.39 5/1942 | 1.41 5/1942 | 1.66 13/1942 | 2.28 13-14/1942 | 2.90 13-14/1942 |
| Nov. | Amt. Date | 0.59 10/1942 | 0.90 25/1950 | 1.21 3/1943 | 1.21 3/1943 | 1.44 22-23/1947 | 2.09 31-1/1949 |
| Dec. | Amt. Date | 0.26b 13/1941 | 0.49 23/1941 | 0.59 23/1941 | 0.86 28/1945 | 1.34 28-29/1945 | 1.85 28-29/1945 |
| Annual | Amt. Date | 2.05 8/28/49 | 2.28 8/13/42 | 2.80 8/13/42 | 3.66 7/22/45 | 3.89 7/22-23/45 | 4.67 8/12-13/42 |

a Also 16/1949.

b Also 8/1944.

Station: WOOLWINE, VIRGINIA

Drainage basin: SMITH

County: PATRICK

Lat. 36° 47' N Long. 80° 17' W

Elev.(ft) 1300

Period of record: Established 8/31/50

| Month | | Duration (hours) | | | | | |
|--------|-----------|------------------|-----------------|-----------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | | N O | R E C O R D | | | |
| Feb. | Amt. Date | | N O | R E C O R D | | | |
| Mar. | Amt. Date | | N O | R E C O R D | | | |
| Apr. | Amt. Date | | N O | R E C O R D | | | |
| May | Amt. Date | | N O | R E C O R D | | | |
| Jun. | Amt. Date | | N O | R E C O R D | | | |
| Jul. | Amt. Date | | N O | R E C O R D | | | |
| Aug. | Amt. Date | | N O | R E C O R D | | | |
| Sep. | Amt. Date | 0.35 9/1950 | 0.46 9/1950 | 0.61 9/1950 | 1.03 9/1950 | 1.40 9/1950 | 1.59 8-9/1950 |
| Oct. | Amt. Date | 0.36 23/1950 | 0.58 9/1950 | 0.70 24/1950 | 1.38 23-24/1950 | 1.58 23-24/1950 | 1.59 23-24/1950 |
| Nov. | Amt. Date | 0.21 4/1950 | 0.34 4/1950 | 0.35 4/1950 | 0.49 4/1950 | 0.58 4/1950 | 0.65 4/1950 |
| Dec. | Amt. Date | 0.64 7/1950 | 1.19 7/1950 | 1.50 7/1950 | 2.36 7/1950 | 3.16 7/1950 | 3.19 7/1950 |
| Annual | Amt. Date | 0.64 12/7/50 | 1.19 12/7/50 | 1.50 12/7/50 | 2.36 12/7/50 | 3.16 12/7/50 | 3.19 12/7/50 |

Station: WYTHEVILLE, VIRGINIA

Drainage basin: NEW

County: WYTHE

at. 36° 58'N Long. 81° 06'W

Elev.(ft.) 2400

Period of record: 1940-1950 ONLY*

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|-----------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.42 7/1946 | 0.60 7/1946 | 0.75 7/1946 | 1.10 7/1946 | 1.43 7/1946 | 1.70 7/1946 |
| Feb. | Amt. Date | 0.24 10/1946 | 0.45 10/1946 | 0.62 10/1946 | 1.04 10/1946 | 1.64 17/1944 | 1.96 17/1944 |
| Mar. | Amt. Date | 0.38 27/1950 | 0.68 27/1950 | 0.80 27/1950 | 0.82 27-28/1950 | 1.24E 19/1944 | 1.43 19/1944 |
| Apr. | Amt. Date | 0.75 6/1948 | 0.99 6/1948 | 1.28 6/1948 | 1.72 6/1948 | 1.72 6/1948 | 1.98 6-7/1948 |
| May | Amt. Date | 0.97 19/1942 | 1.58 19/1942 | 2.14 19/1942 | 3.33 19/1942 | 3.48 19-20/1942 | 4.15 19-20/1942 |
| Jun. | Amt. Date | 1.80 5/1942 | 1.91 5/1942 | 1.91 5/1942 | 1.91 5/1942 | 1.91 5/1942 | 2.09 8-9/1942 |
| Jul. | Amt. Date | 1.10 26/1945 | 1.34 26/1945 | 1.34 26/1945 | 1.74 26/1945 | 1.97 26/1945 | 3.06 26-27/1945 |
| Aug. | Amt. Date | 1.08 12/1947 | 1.43 12/1947 | 1.43 12/1947 | 1.43 12/1947 | 1.65 13-14/1940 | 2.51 13-14/1940 |
| Sep. | Amt. Date | 0.75 7/1948 | 0.90 29/1944 | 1.25 29/1944 | 1.89 29/1944 | 2.48 28-29/1944 | 2.91 16-17/1945 |
| Oct. | Amt. Date | 0.46 20/1944 | 0.90 20/1944 | 1.30 20/1944 | 1.97 20/1944 | 2.53 20/1944 | 2.63 20/1944 |
| Nov. | Amt. Date | 0.34 2/1947 | 0.66 4/1950 | 0.82 4/1950 | 1.16 28/1948 | 1.43 28/1948 | 1.92 28-29/1948 |
| Dec. | Amt. Date | 0.37 3/1950 | 0.51 3/1950 | 0.64 3/1950 | 1.00 7/1950 | 1.60 7/1950 | 1.89 2-3/1948 |
| Annual | Amt. Date | 1.80 6/5/42 | 1.91 6/5/42 | 2.14 5/19/42 | 3.33 5/19/42 | 3.48 5/19-20/42 | 4.15 5/19-20/42 |

*Given for comparative purposes. See next page for complete record.

Station: WYTHEVILLE, VIRGINIA

Drainage basin: NEW

County: WYTHE

Lat. 36° 58'N Long. 81° 06'W

Elev.(ft.) 2400

Period of record: 1903-1950

| Month | | Duration (hours) | | | | | |
|--------|--------------|------------------|-----------------|--------------------|--------------------|--------------------|--------------------|
| | | 1 | 2 | 3 | 6 | 12 | 24 |
| Jan. | Amt. Date | 0.55 9/1935 | 0.73 9/1935 | 0.94 9/1935 | 1.33 8-9/1935 | 1.56 22/1935 | 1.91 21-22/1935 |
| Feb. | Amt. Date | 0.35a 13/1926 | 0.60 9/1921 | 0.73 9/1921 | 1.10 6/1929 | 1.64 17/1944 | 1.96 17/1944 |
| Mar. | Amt. Date | 0.46 7/1926 | 0.73 27/1916 | 1.00 16-17/1936 | 1.34 16-17/1936 | 1.91 26-27/1913 | 2.58 26-27/1913 |
| Apr. | Amt. Date | 0.75 6/1948 | 0.99 6/1948 | 1.28 6/1948 | 1.72 6/1948 | 1.93 1/1908 | 2.06 1/1908 |
| May | Amt. Date | 1.28 20/1931 | 1.58 19/1942 | 2.14 19/1942 | 3.33 19/1942 | 3.48 19-20/1942 | 4.15 19-20/1942 |
| Jun. | Amt. Date | 1.80 5/1942 | 2.01 12/1909 | 2.12 12/1909 | 2.16 12/1909 | 2.54 25/1918 | 3.19 11-12/1923 |
| Jul. | Amt. Date | 2.34 21/1908 | 2.84 7/1935 | 2.85 7/1935 | 2.85 7/1935 | 2.86 7-8/1935 | 3.12 15/1916 |
| Aug. | Amt. Date | 2.48 22/1916 | 2.60 6/1916 | 2.72 15/1906 | 2.83 15-16/1906 | 2.84 15-16/1906 | 3.23 6-7/1916 |
| Sep. | Amt. Date | 1.45 4/1935 | 2.46 27/1910 | 2.50 27/1910 | 2.51 27/1910 | 3.39 21-22/1936 | 3.99 4-5/1935 |
| Oct. | Amt. Date | 0.84 28/1935 | 1.27 25/1918 | 1.80 25/1918 | 2.97 25/1918 | 3.84 1-2/1929 | 4.52 1-2/1929 |
| Nov. | Amt. Date | 1.07 12/1935 | 1.46 12/1935 | 1.90 12/1935 | 2.60 12/1935 | 3.53 12/1935 | 3.80 12-13/1935 |
| Dec. | Amt. Date | 0.37 3/1950 | 0.54 2/1905 | 0.78 2/1905 | 1.48 2-3/1905 | 1.96 2-3/1905 | 1.99 2-3/1905 |
| Annual | Amt. Date | 2.48 8/22/16 | 2.84 7/7/35 | 2.85 7/7/35 | 3.33 5/19/42 | 3.84 10/1-2/29 | 4.52 10/1-2/29 |

a Also 4/1936.