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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



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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-

cords, 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

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.

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

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.

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

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

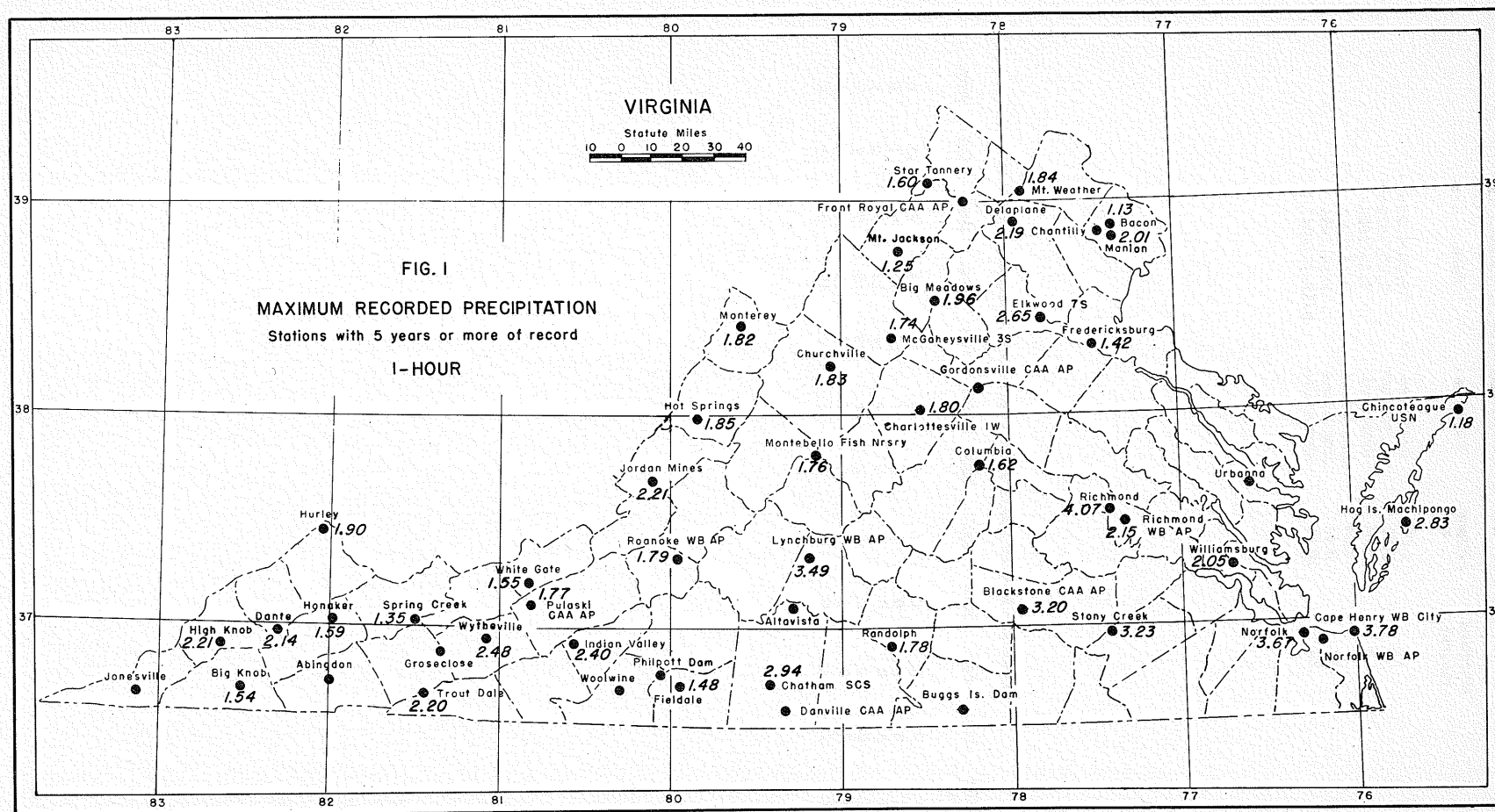
Duration (hours)	Amount	Location	Date	Duration	Amount	Location	Date
JANUARY				JULY			
1	0.87	Columbia	24/1940	1	4.07	Richmond	30/1923
2	1.25	Chatham	1/1945	2	6.33	Richmond	30/1923
3	1.49	Montebello	1/1947	3	7.04	Richmond	30/1923
6	2.76	Norfolk	28-29/1937	6	7.24	Richmond	30/1923
12	3.69	Norfolk	28-29/1937	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

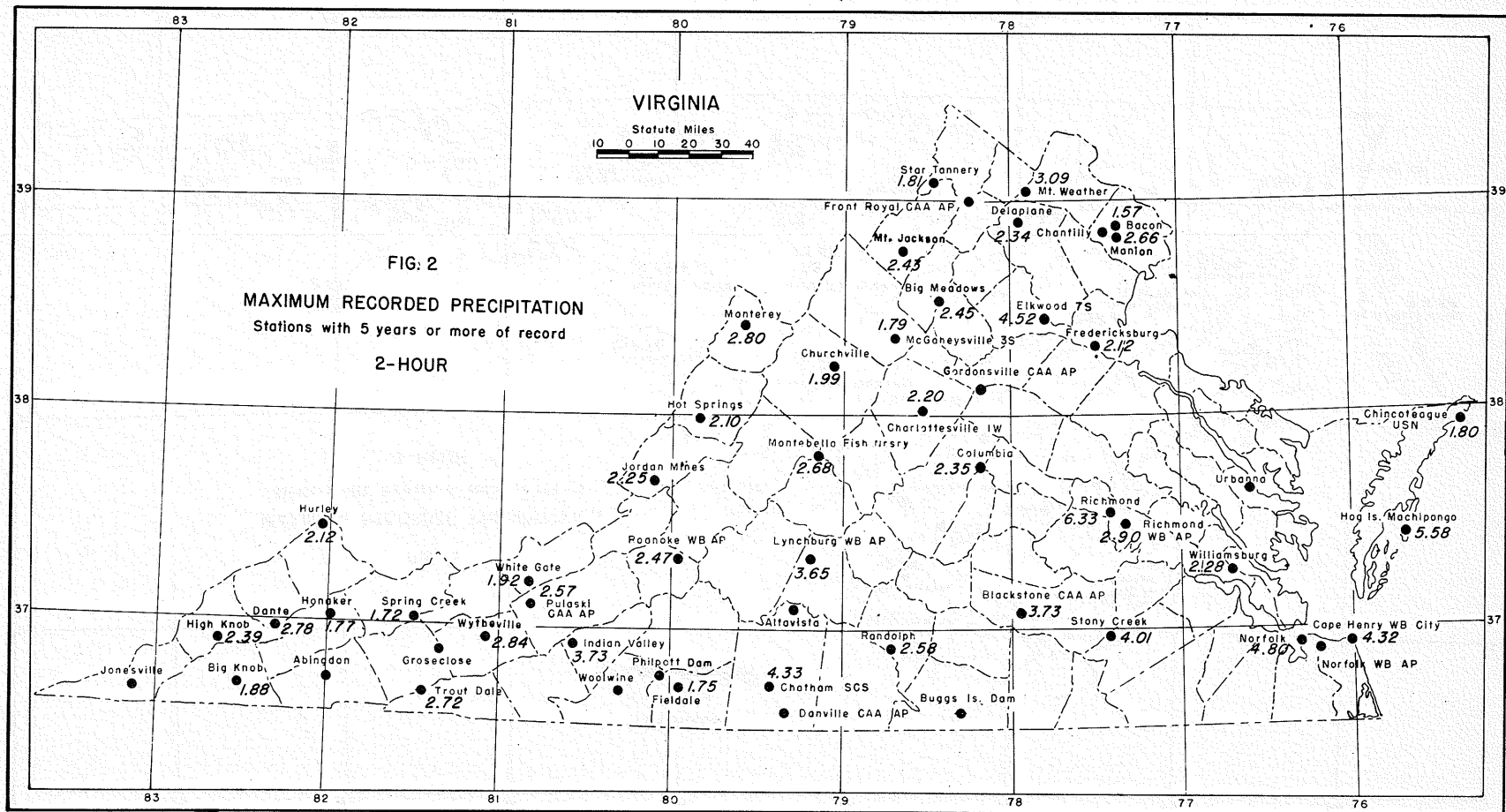
Table 2. - Maximum Precipitation Amounts for Virginia

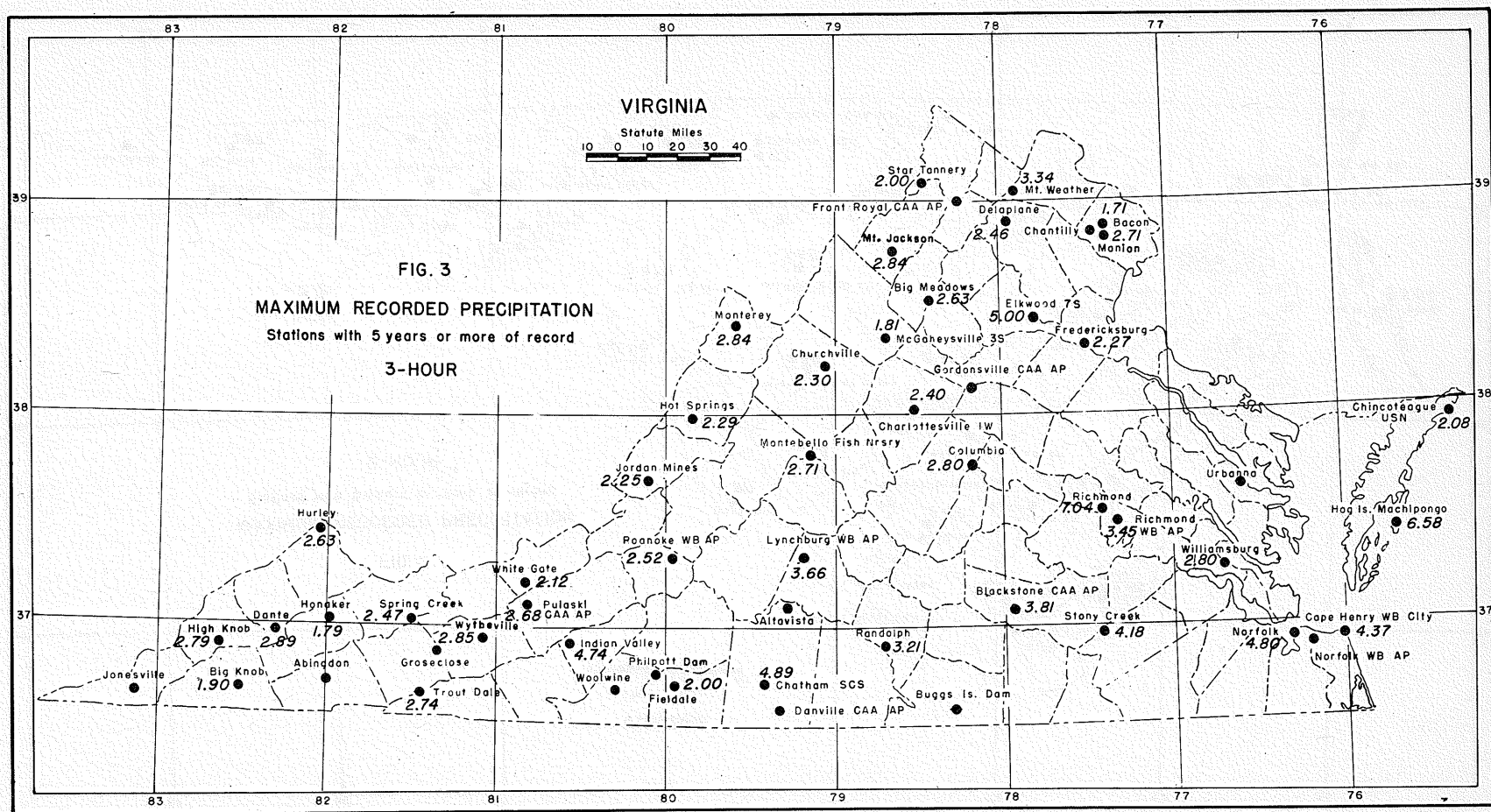
Duration (hours)	Amount	Location	Date
1	4.07	Richmond	7/30/1923
2	6.33	Richmond	7/30/1923
3	7.04	Richmond	7/30/1923
6	8.24	Hog Island	9/14/1944
12	8.44	Hog Island	9/14/1944
24	10.00	Montebello	5/15-16/1942

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







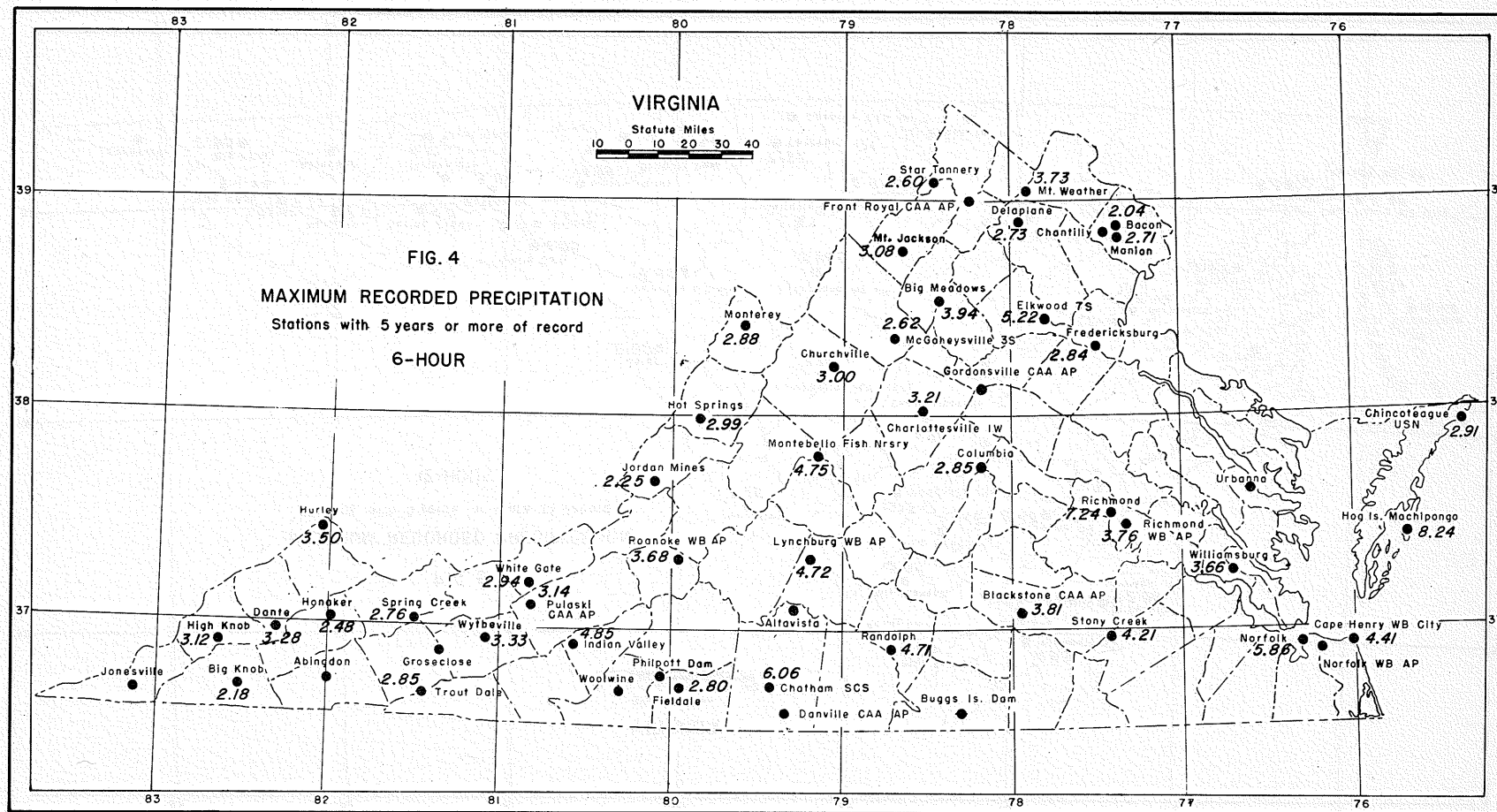
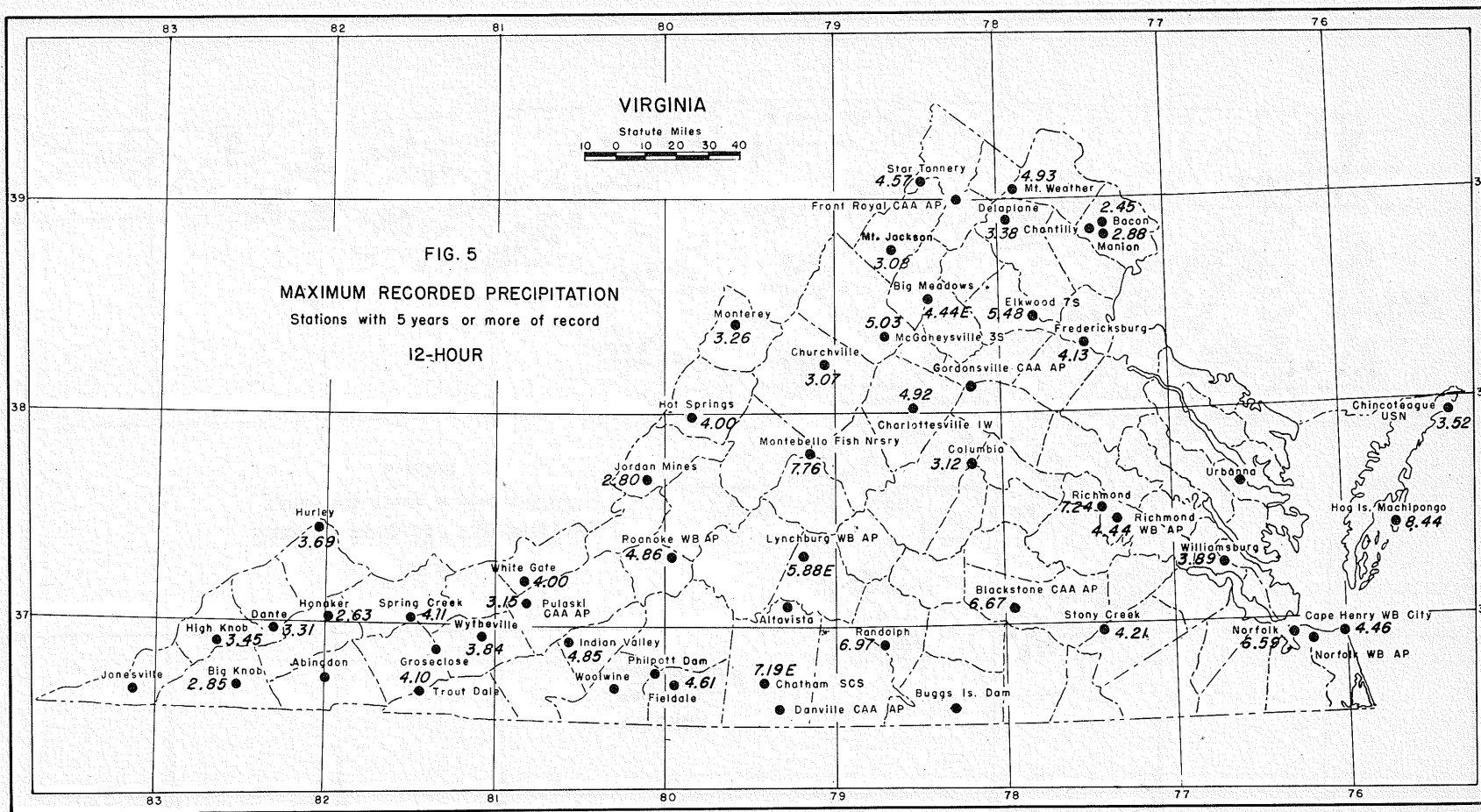
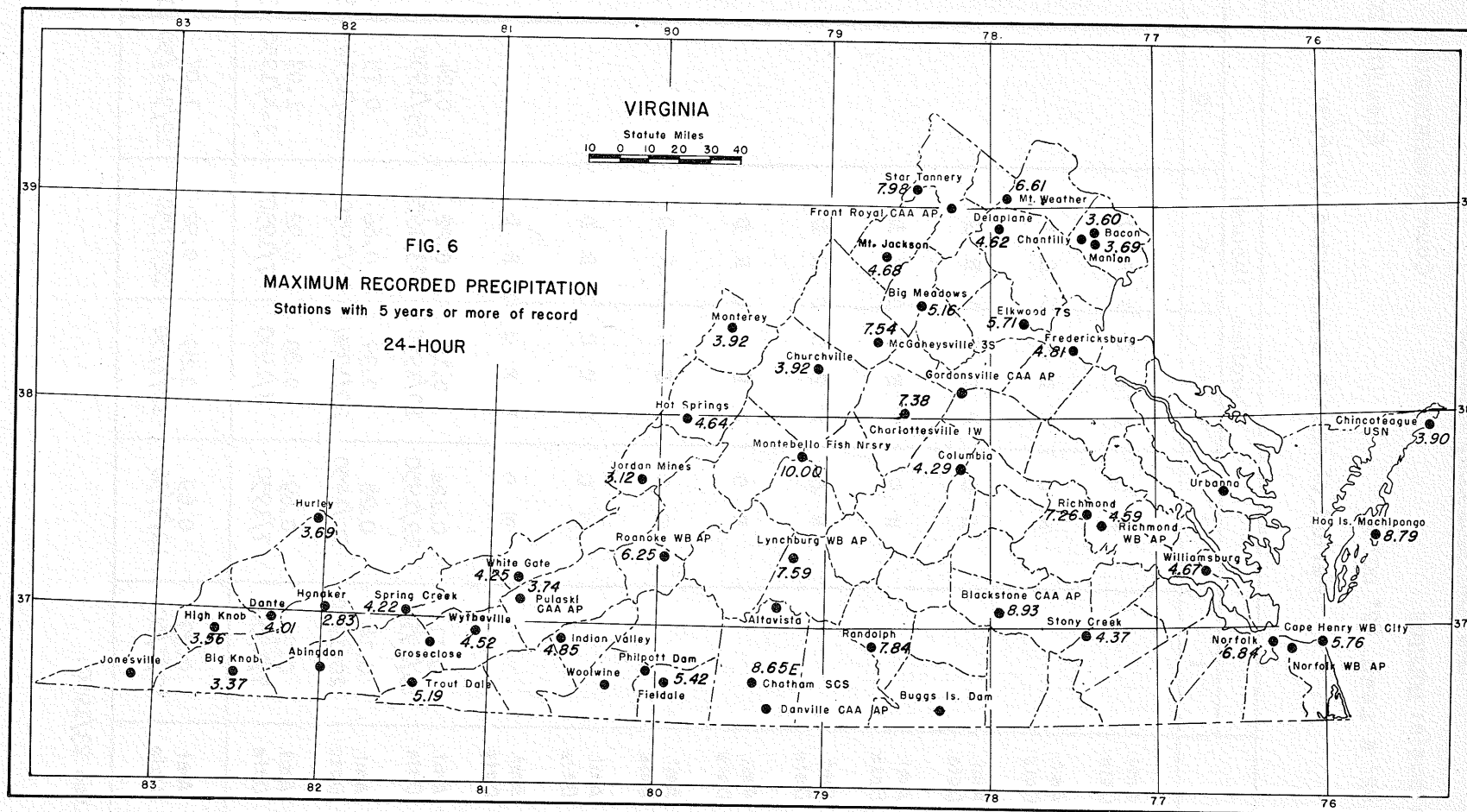


FIG. 5
MAXIMUM RECORDED PRECIPITATION
Stations with 5 years or more of record
12-HOUR





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		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	0.71a 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	1.26b 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	2.67a 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		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		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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	Amt. Date	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	0.56a 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		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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.	Amt. Date	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	Amt. Date	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	0.54E 1/1945	0.91E 1/1945	1.08E 1/1945	1.45E 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	0.40a 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	0.27a 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	0.84a 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	0.35a 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	1.76b 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	2.20c 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	0.86a 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	1.44b 28/1946	1.51 28/1946	2.40 26/1945	2.82E 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.