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SINCLAIR WEEKS, *Secretary*

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Maximum Station Precipitation for

1, 2, 3, 6, 12, and 24 Hours

Part XVIII: West Virginia

DIVISION OF HYDROLOGIC SERVICES

HYDROMETEOROLOGICAL SECTION

and

COOPERATIVE STUDIES SECTION

In cooperation with

THE CORPS OF ENGINEERS, U. S. ARMY

and

U. S. DEPARTMENT OF AGRICULTURE

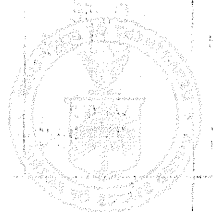
SOIL CONSERVATION SERVICE



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-

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

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

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 38 stations with five or more years of record are shown in table 3.

A. E. Brown, Jr. supervised the project for West Virginia. The data were compiled and checked by members of the Cooperative Studies Section. John E. Kelley prepared the manuscript which was then typed by Billie Ann Neely and Shirley Salyer.

Table 1. - Maximum monthly precipitation amounts for West Virginia

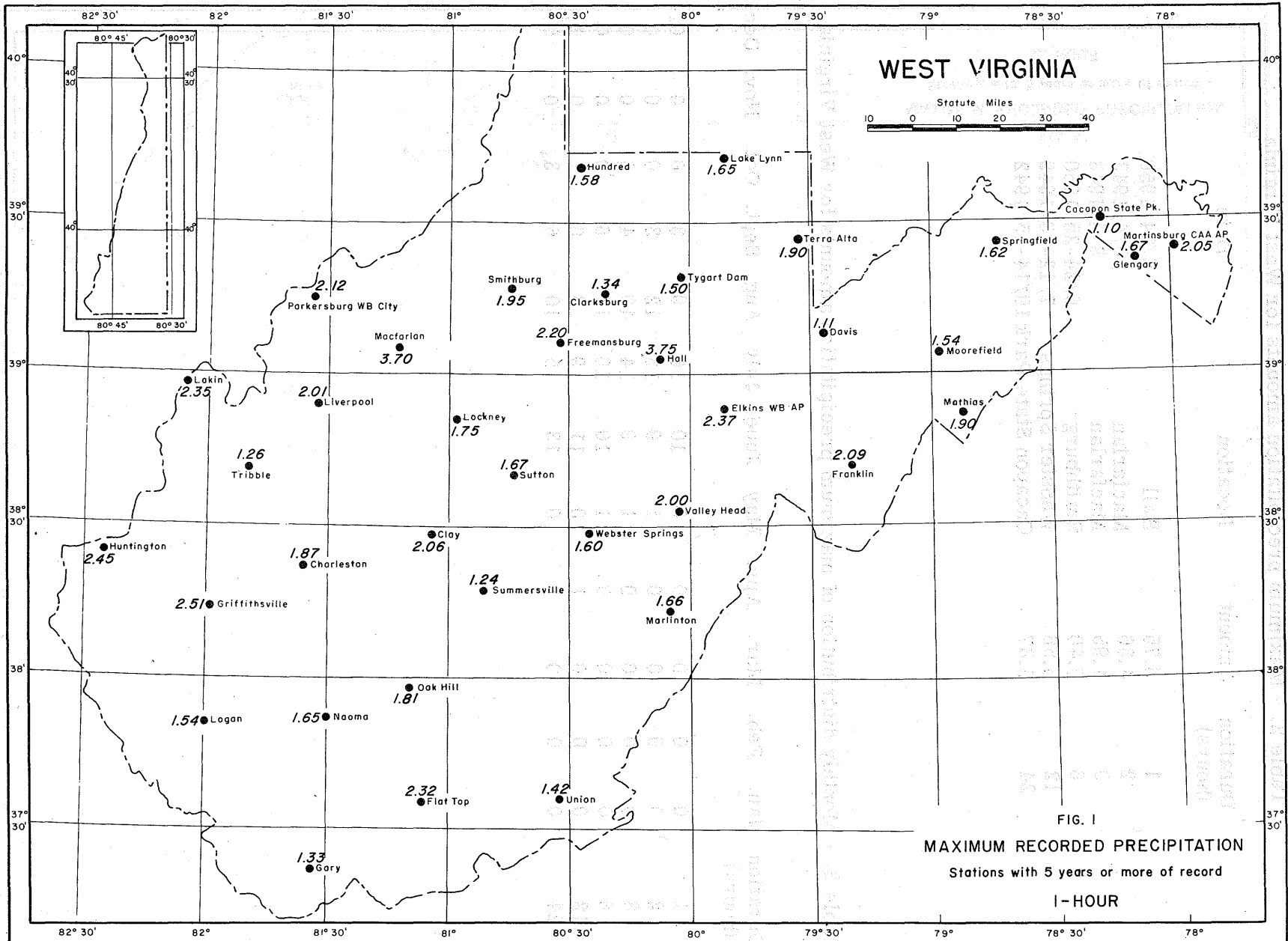
Duration (hours)	Amount	Location	Date	Duration (hours)	Amount	Location	Date
JANUARY							
1	1.07	Clay	18/1943	1	2.45	Huntington	12/1941
2	1.19	Clay	18/1943	2	3.78	Valley Head	30/1946
		Clay	18/1943	3	4.64	Valley Head	30/1946
3	1.19	Gary	7/1946	6	4.95	Valley Head	30/1946
6	1.60	Gary	7/1946	12	5.58	Webster Springs	12-13/1948
12	2.36	Parkersburg WB City	11/1913	24	5.77	Webster Springs	12-13/1948
24	2.97	Parkersburg WB City	11-12/1913	AUGUST			
FEBRUARY							
1	0.66	Charleston	28/1945	1	3.70	Macfarlan	4/1943
2	1.21	Charleston	28/1945	2	4.36	Macfarlan	4/1943
3	1.50	Charleston	28/1945	3	4.95	Macfarlan	4/1943
6	1.87	Elkins WB AP	4/1932	6	4.98	Macfarlan	4-5/1943
12	2.73	Elkins WB AP	4/1932	12	5.03	Macfarlan	4-5/1943
24	3.03	Terra Alta	26-27/1945	24	5.23	Freemansburg	23-24/1945
MARCH							
1	1.07	Parkersburg WB City	7/1903	1	1.81	Oak Hill	2/1950
2	1.24	Parkersburg WB City	7/1903	2	2.69	Lakin	5/1947
3	1.37	Elkins WB AP	23/1948	3	3.05	Lakin	5/1947
6	1.95	Elkins WB AP	23/1948	6	3.47	Griffithsville	19/1950
12	2.09	Elkins WB AP	16-17/1936	12	4.00	Griffithsville	19-20/1950
24	3.40	Elkins WB AP	16-17/1936	24	4.30	Griffithsville	19-20/1950
APRIL							
1	1.06	Parkersburg WB City	21/1916	1	1.24	Huntington	4/1947
2	1.22	Tribble	12/1948	2	1.31	Parkersburg WB City	16/1925
3	1.51	Tribble	12/1948	3	1.53	Mathias	25/1946
6	2.14	Tribble	12/1948	6	1.98	Cacapon State Park	15/1942
12	2.87	Parkersburg WB City	20/1920	12	3.28	Cacapon State Park	15/1942
24	3.49	Tribble	12-13/1948	24	5.87	Cacapon State Park	14-15/1942
MAY							
1	2.24	Lakin	28/1950	1	0.98	Tribble	1/1943
2	2.64	Lakin	28/1950	2	1.20	Martinsburg CAA AP	25/1950
3	2.88	Lakin	28/1950	3	1.50	Martinsburg CAA AP	25/1950
6	2.91	Lakin	28/1950	6	2.15	Martinsburg CAA AP	25/1950
12	2.96	Lakin	28/1950	12	2.61	Elkins WB AP	25/1950
24	3.21	Lakin	27-28/1950	24	3.16	Parkersburg WB City	19-20/1900
JUNE							
1	3.75	Hall	24/1950	1	0.79	Griffithsville	10/1949
2	3.90	Hall	24/1950	2	0.99	Parkersburg WB City	31/1923
3	4.20	Freemansburg	24/1950	3	1.22	Mathias	7/1950
6	5.40	Smithburg	24-25/1950	6	1.93	Lakin	14-15/1948
12	5.40	Smithburg	24-25/1950	12	2.90	Lakin	14-15/1948
24	5.80	Freemansburg	24-25/1950	24	3.42	Lakin	14-15/1948

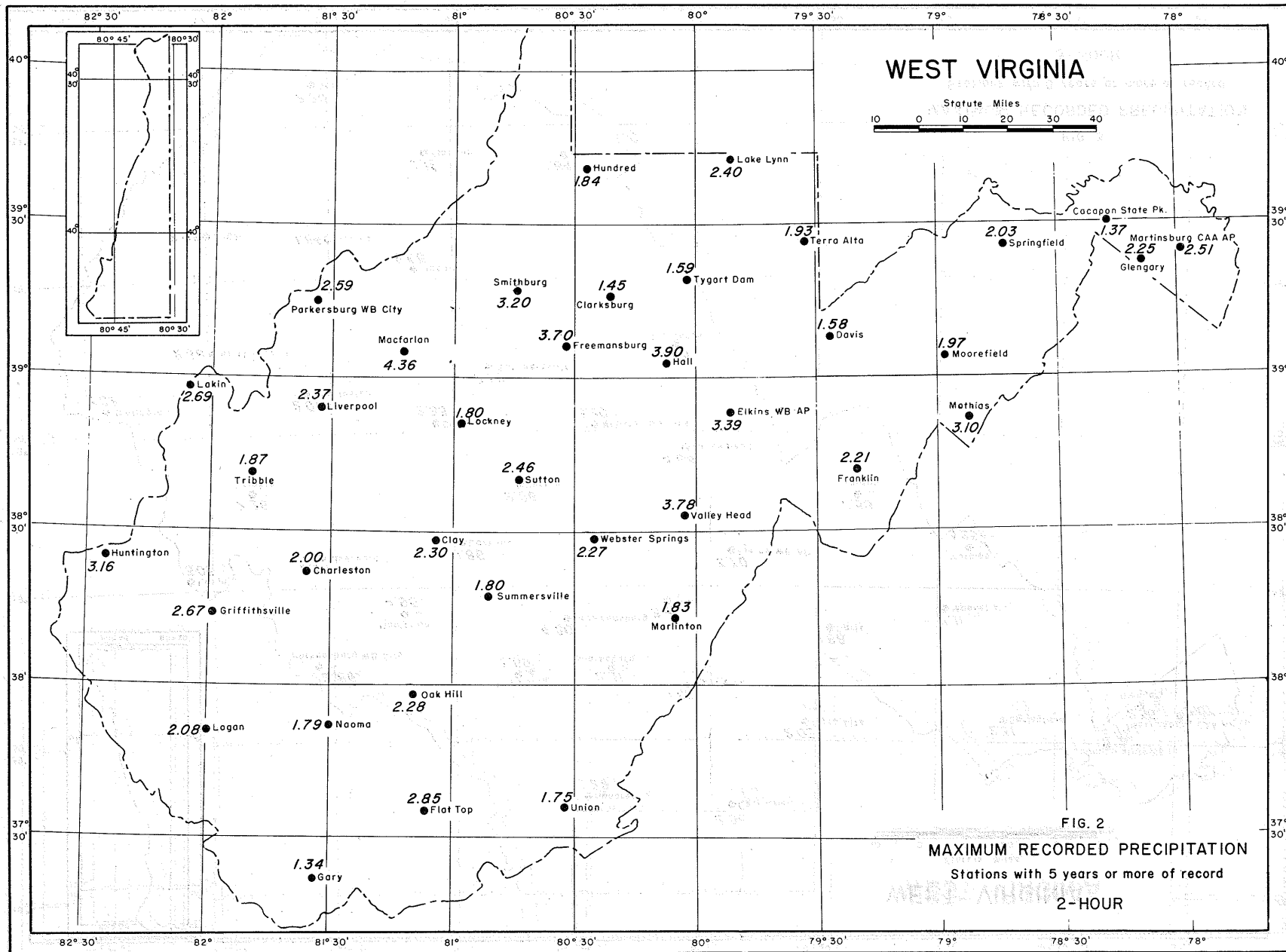
Table 2. - Maximum precipitation amounts for West Virginia

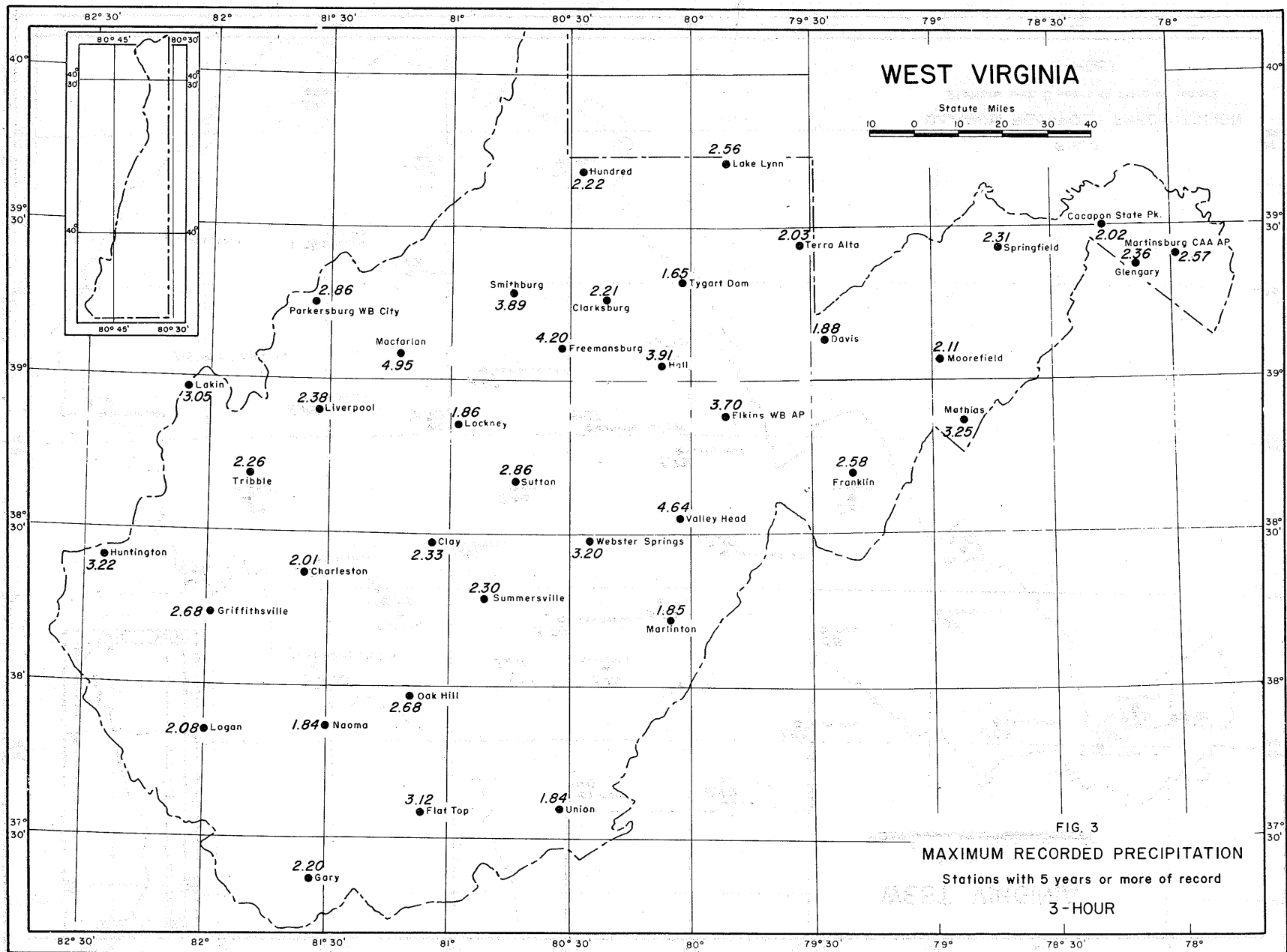
Duration (hours)	Amount	Location	Date
1	3.75	Hall	6/24/1950
2	4.36	Macfarlan	8/4/1943
3	4.95	Macfarlan	8/4/1943
6	5.40	Smithburg	6/24-25/1950
12	5.58	Webster Springs	7/12-13/1949
24	5.87	Cacapon State Park	10/14-15/1942

Table 3. - Monthly distribution of maximum precipitation amounts for West Virginia

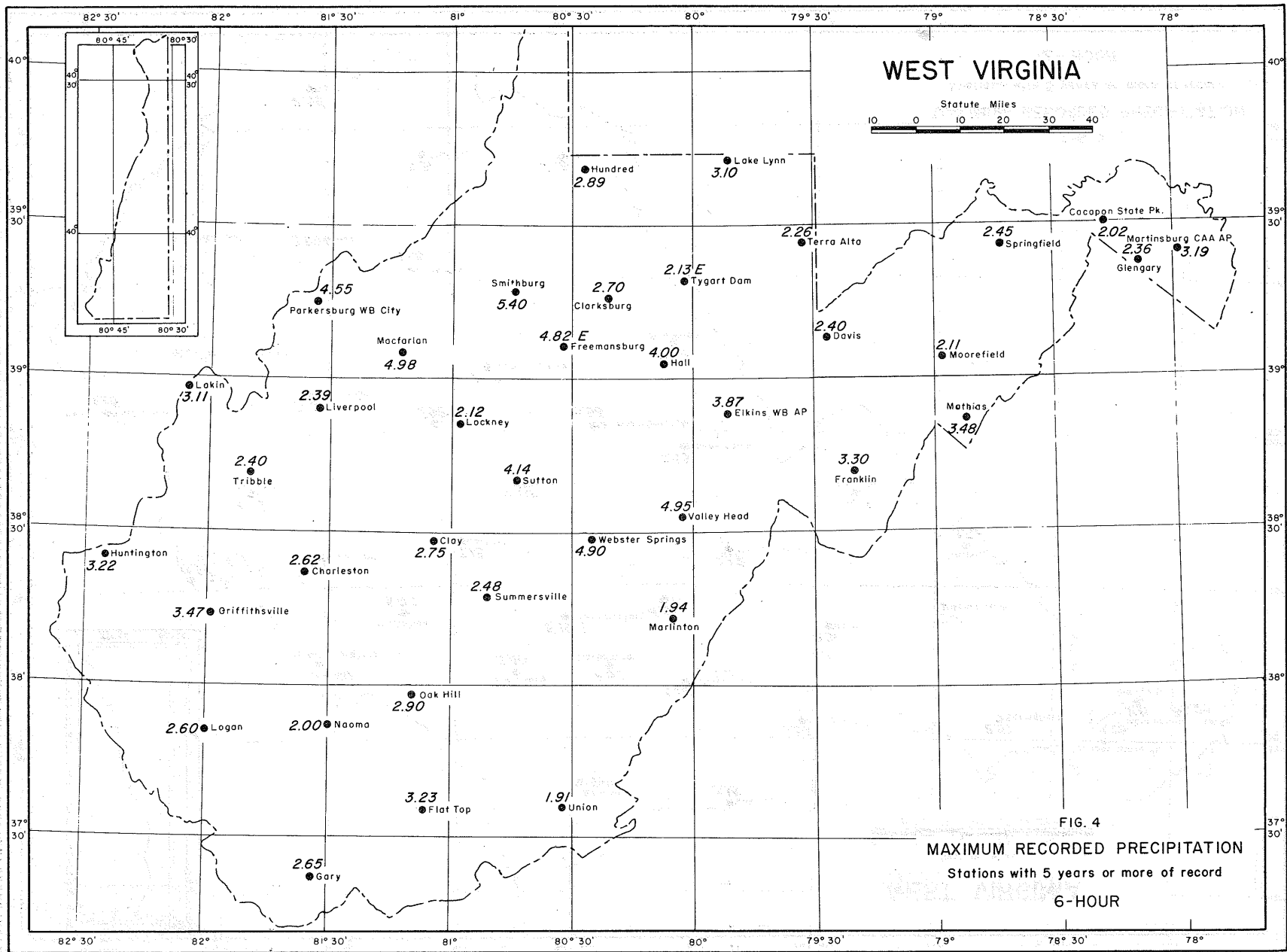
Duration (hours)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	0	0	0	0	10	16	9	3	0	0	0
2	0	0	0	0	1	9	13	12	3	0	0	0
3	0	0	0	0	1	9	14	10	4	0	0	0
6	0	0	0	0	1	10	10	11	6	0	0	0
12	0	0	0	1	0	11	9	8	6	1	0	2
24	0	0	0	1	0	13	5	10	6	3	0	0

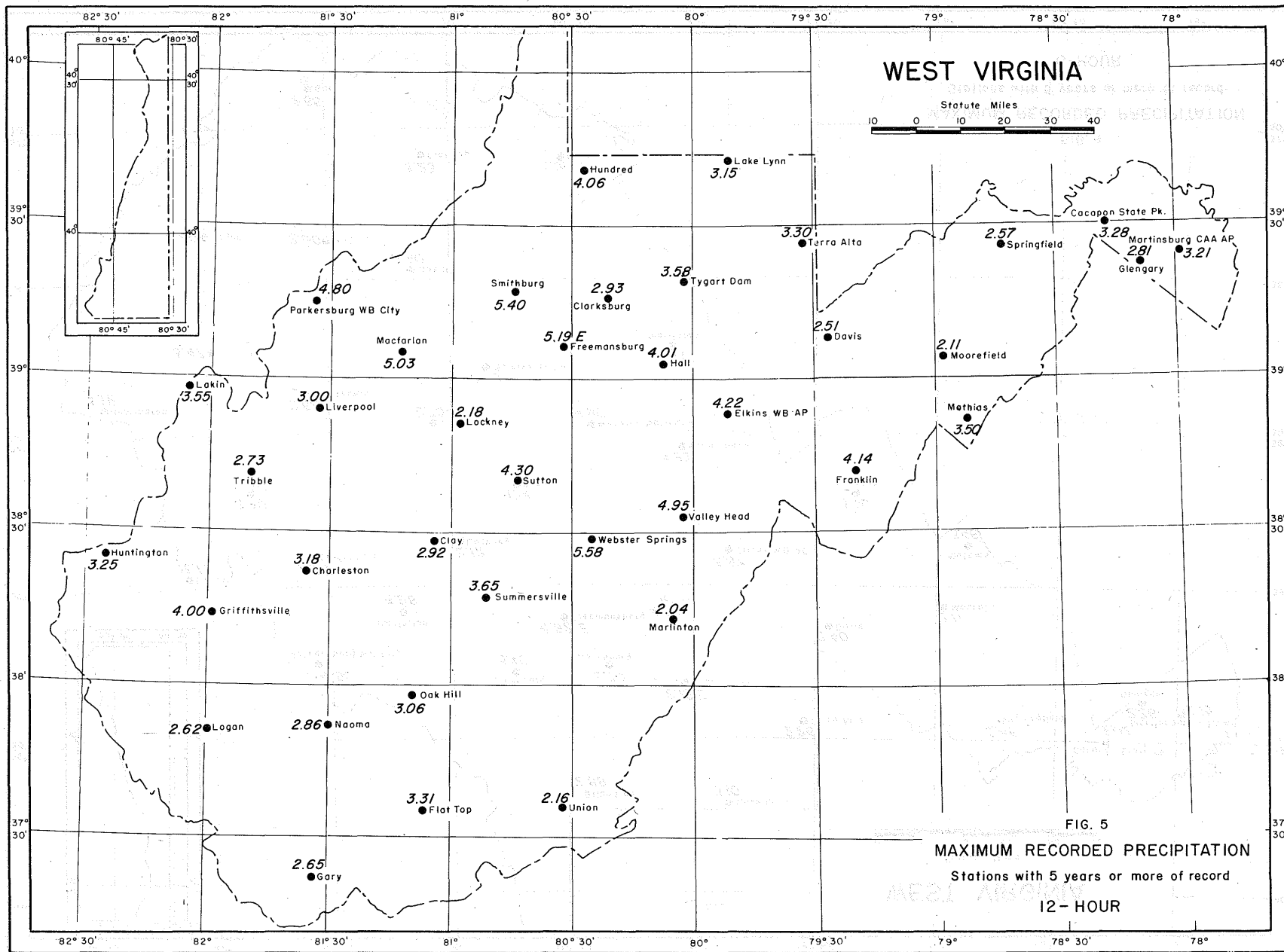






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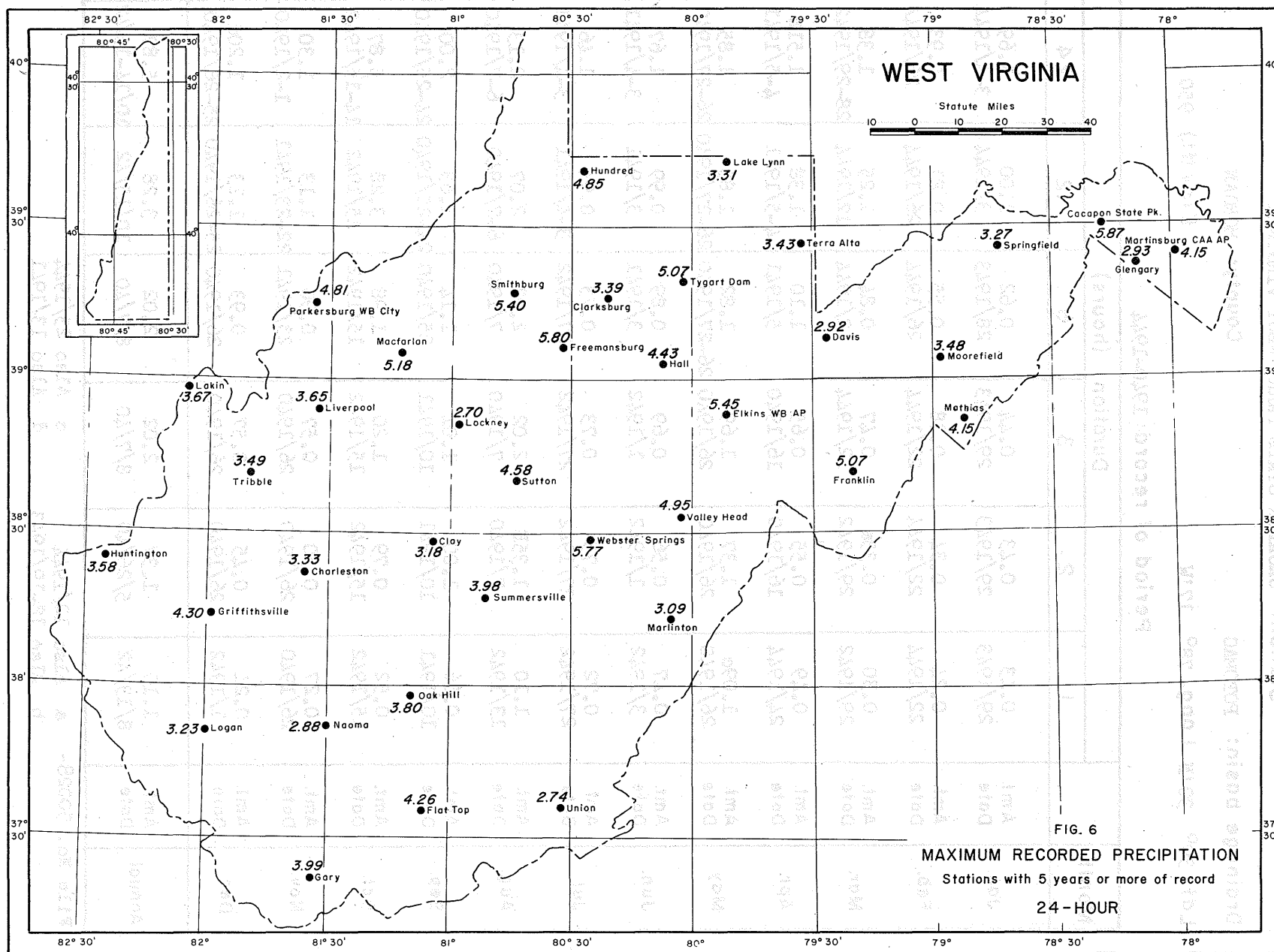


FIG. 6
MAXIMUM RECORDED PRECIPITATION
 Stations with 5 years or more of record
24-HOUR

Station: CAGAPON STATE PARK, WEST VIRGINIA

Drainage basin: POTOMAC

County: MORGAN

Lat. 39° 30'N Long. 78° 17'W

Elev.(ft.) 950

Period of record: 1940-1944

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.43 29/1943	0.43 29/1943	0.44 29/1943	0.62 28/1943	1.00 3/1944	1.69 3-4/1944	
Feb.	0.24 22/1944	0.34 22/1944	0.38 22/1944	0.55 26/1944	0.81 26/1944	0.93 26/1944	
Mar.	0.30 29/1942	0.33a 29/1942	0.47 12/1944	0.84 12/1944	1.25 12/1944	1.38 28-29/1942	
Apr.	0.49 24/1944	0.55 16/1940	0.65 16/1940	1.10 5/1941	1.38 4-5/1941	1.51b 4-5/1941	
May	1.09c 26/1940	1.37 26/1940	1.69 26/1940	1.82 26-27/1940	1.83 26-27/1940	1.85 26-27/1940	
Jun.	0.47 3/1942	0.56 1/1942	0.69 1/1942	0.89 3/1941	0.99 3/1941	1.67 3-4/1941	
Jul.	0.72 27/1942	0.73 27/1942	0.73 27/1942	0.73 27/1942	0.94 3-4/1941	1.46 3-4/1941	
Aug.	1.10 13/1942	1.35E 7/1940	2.02 7/1940	2.02 7/1940	2.07 6-7/1940	2.13 6-7/1940	
Sep.	0.66 10/1941	1.00 10/1941	1.01 10/1941	1.14 25/1940	1.63 24-25/1940	2.00 24-25/1940	
Oct.	0.52 15/1942	0.79 15/1942	1.20 15/1942	1.98 15/1942	3.28 15/1942	5.87 14-15/1942	
Nov.	0.27 26/1940	0.50 26/1940	0.57 26/1940	0.90 23/1941	1.13 22-23/1941	1.30 1-2/1940	
Dec.	0.24 1/1942	0.45 26/1940	0.57 26/1940	0.93 26/1940	1.13 25-26/1940	1.20d 25-26/1940	
Annual	1.10 8/13/42	1.37 5/26/40	2.02 8/7/40	2.02 8/7/40	3.28 10/15/42	5.87 10/14-15/42	

File No. 50028-

a Also 12/1944

c Also 23/1944

b Also 18-19/1943

d Also 13/1941

Station: CHARLESTON, WEST VIRGINIA

Drainage basin: KANAWHA

County: KANAWHA

Lat. 38° 21' N Long. 81° 38' W

Elev.(ft.) 600

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.55 18/1943	0.61 18/1943	0.62a 18/1943	1.09 7/1946	1.43 7/1946	2.43 31-1/1945
Feb.	Amt. Date	0.66 28/1945	1.21 28/1945	1.50 28/1945	1.72 28/1945	1.78 28/1945	1.78 28/1945
Mar.	Amt. Date	0.59 23/1948	0.60 23/1948	0.63 18-19/1943	0.90 14/1946	1.38 18-19/1943	1.89 18-19/1943
Apr.	Amt. Date	0.61 17/1945	1.00 17/1945	1.07 17/1945	1.44 12/1948	1.59 12/1948	2.68 12-13/1948
May	Amt. Date	0.72 24/1944	0.80 24/1944	0.87 24/1944	0.87 24/1944	0.97 22/1949	1.73 21-22/1949
Jun.	Amt. Date	0.90 22/1942	1.63 22/1942	1.65 22/1942	1.66 22/1942	1.75 16-17/1949	2.31 22/1942
Jul.	Amt. Date	1.87 20/1942	2.00 20/1942	2.01 20/1942	2.11 20/1942	2.18 20/1942	2.19 20-21/1942
Aug.	Amt. Date	1.40 15/1950	1.71 15/1950	1.77 15/1950	2.62 23/1942	3.18 23/1942	3.33 22-23/1942
Sep.	Amt. Date	1.21 2/1947	1.21 2/1947	1.27 10/1942	1.67 21/1950	2.47 21/1950	2.68 21-22/1950
Oct.	Amt. Date	0.46 21/1942	0.65 25/1946	0.91 25/1946	1.35 25/1946	1.57 25/1946	1.57 25/1946
Nov.	Amt. Date	0.39 2/1945	0.66 2/1945	0.79 2/1945	0.84 2/1945	1.43 2/1945	1.87 2-3/1945
Dec.	Amt. Date	0.47 31/1944	0.65 31/1944	0.80 31/1944	1.06 31/1944	1.41 31-1/1944	2.43 31-1/1944
Annual	Amt. Date	1.87 7/20/42	2.00 7/20/42	2.01 7/20/42	2.62 8/23/42	3.18 8/23/42	3.33 8/22-23/42

File No. 50028- a Also 7/1946

Station: CLARKSBURG, WEST VIRGINIA

Drainage basin: WEST FORK

County: HARRISON

Lat. 39° 17' N Long. 80° 20' W

Elev.(ft.) 1000

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.33 14/1950	0.47 14/1950	0.61 1/1948	1.23 1/1948	1.41 1/1948	1.71 1-2/1948
Feb.	Amt. Date	0.44 22/1949	0.68 9/1950	0.80 22/1944	1.23 8-9/1950	1.46 22/1944	2.41 26-27/1945
Mar.	Amt. Date	0.43 4/1944	0.45 26/1946	0.54 26/1946	0.73 21/1945	1.25 5/1945	1.67 30-31/1940
Apr.	Amt. Date	0.68 10/1941	0.91 12/1948	1.14 12/1948	1.70 12/1948	2.25 12/1948	2.60 12/1948
May	Amt. Date	0.84 19/1940	0.98 19/1940	1.15 6-7/1942	1.61 6-7/1942	1.76 6-7/1942	1.76 6-7/1942
Jun.	Amt. Date	1.34 7/1942	1.45 24/1950	2.21 24/1950	2.70 24/1950	2.93 24-25/1950	2.93 24-25/1950
Jul.	Amt. Date	1.20 6/1948	1.21 6/1948	1.51 6/1948	1.51 6/1948	1.77 12-13/1944	2.28 6-7/1949
Aug.	Amt. Date	1.02 26/1941	1.18 26/1941	1.18 26/1941	1.81 23-24/1945	2.89 23-24/1945	3.39 23-24/1945
Sep.	Amt. Date	0.97 2/1945	1.20 19/1948	1.61 19/1948	1.90 1-2/1945	2.63 23-24/1945	2.64 23-24/1945
Oct.	Amt. Date	0.34 14/1942	0.60 14/1942	0.85 20/1944	1.45 20/1944	2.00 20/1944	2.27 20-21/1944
Nov.	Amt. Date	0.26a 26/1940	0.48 4/1950	0.70 28/1949	0.98 28/1949	1.60 28-29/1949	1.62 28-29/1949
Dec.	Amt. Date	0.28 25/1944	0.47 29/1942	0.61 15/1948	1.01 15/1948	1.58 15-16/1948	2.25 15-16/1948
Annual	Amt. Date	1.34 6/7/42	1.45 6/24/50	2.21 6/24/50	2.70 6/24/50	2.93 6/24-25/50	3.39 8/23-24/45

File No. 50028-
a Also 28/1949

Station: CLAY, WEST VIRGINIA

Drainage basin: ELK

County: CLAY

Lat. 38° 28' N Long. 81° 04' W

Elev.(ft.) 650

Period of record: 1942-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	1.07 18/1943	1.19 18/1943	1.19 18/1943	1.19 18/1943	1.25 7/1946	1.70 30-31/1950	
Feb.	0.60 28/1945	0.96 28/1945	1.20 28/1945	1.44 28/1945	1.45 28/1945	1.52 31-1/1950	
Mar.	0.48 23/1948	0.51 19/1943	0.70 18-19/1943	0.86 18-19/1943	1.33 18-19/1943	1.79 18-19/1943	
Apr.	0.74 13/1949	1.03 17/1945	1.21 13/1949	1.49 13/1949	1.49 13/1949	2.41 12-13/1948	
May	0.78 20/1944	1.14 20/1944	1.14 20/1944	1.14 20/1944	1.30 23/1949	1.68 21-22/1949	
Jun.	2.06 16/1950	2.30 16-17/1950	2.33 26/1949	2.43 26/1949	2.54 26/1949	3.18 26-27/1949	
Jul.	0.97 20/1950	1.37 27/1947	1.59 27/1947	1.75 27/1947	1.93 20/1950	2.22 20/1950	
Aug.	1.01 26/1947	1.11 17/1944	1.22 17/1944	1.30 23/1945	1.44 23-24/1945	1.70 31-1/1950	
Sep.	1.08 5/1947	1.49 5/1947	2.10 5/1947	2.75 5-6/1947	2.92 5-6/1947	3.04 5-6/1947	
Oct.	0.37 20/1944	0.64 20/1944	0.95 20/1944	1.49 20/1944	1.60 20/1944	2.10 20-21/1944	
Nov.	0.40a 3/1947	0.62a 3/1947	0.78 3/1947	0.95 3/1947	1.07 2/1945	1.63 28-29/1948	
Dec.	0.38 8/1944	0.65 7-8/1944	0.86 11/1944	1.26 11/1944	1.55 11/1944	1.84 11-12/1944	
Annual	2.06 6/16/50	2.30 6/16-17/50	2.33 6/26/49	2.75 9/5-6/47	2.92 9/5-6/47	3.18 6/26-27/49	

File No. 50028- a Also 2/1950

Station: DAVIS, WEST VIRGINIA

Drainage basin: CHEAT

County: TUCKER

Lat. 39° 08'N Long. 79° 28'W

Elev.(ft.) 3120

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.44 31/1945	0.57 3/1944	0.65 3/1944	1.15 1/1948	1.21 1/1948	1.45 26/1949
Feb.	Amt. Date	0.53 27/1945	0.78 22/1944	0.98 22/1944	1.26 22/1944	1.99 22/1944	2.20 22/1944
Mar.	Amt. Date	0.67 23/1948	0.99 23/1948	1.34 23/1948	1.69 23/1948	1.83 23-24/1948	1.96 5-6/1943
Apr.	Amt. Date	0.46a 24/1944	0.88 24/1944	0.92 24/1944	1.00 24/1944	1.41 1/1944	1.88 23/1950
May	Amt. Date	0.62 21/1949	0.82 21/1949	1.00 3/1947	1.27 15-16/1942	1.58 15-16/1942	1.69 21-22/1949
Jun.	Amt. Date	1.00 28/1949	1.44 28/1941	1.47 28/1941	1.97 25/1945	1.97 25/1945	2.42b 3-4/1941
Jul.	Amt. Date	1.11 28/1945	1.19 11/1943	1.20 11/1943	1.52 28/1945	1.64 30-1/1940	2.45 28-29/1945
Aug.	Amt. Date	1.10 14/1947	1.58 2-3/1942	1.88 2-3/1942	2.40 16/1943	2.51 16/1943	2.51 16/1943
Sep.	Amt. Date	0.64 25/1940	0.92 1/1945	1.06 1/1945	1.50 24-25/1940	2.50 24-25/1940	2.92 24-25/1940
Oct.	Amt. Date	0.46 25/1946	0.78 25/1946	1.02 25/1946	1.50 25/1946	1.62 25/1946	1.87 20-21/1944
Nov.	Amt. Date	0.40c 28/1949	0.63 28/1949	0.83 28/1949	1.21 28/1949	1.50 28-29/1949	1.53 28-29/1949
Dec.	Amt. Date	0.30 24/1941	0.52 24/1941	0.76 24/1941	1.01 24/1941	1.39 15/1948	2.25 15-16/1948
Annual	Amt. Date	1.11 7/28/45	1.58 8/2-3/42	1.88 8/2-3/42	2.40 8/16/43	2.51 8/16/43	2.92 9/24-25/40

File No. 50028- a Also 14/1948
 b Also 27-28/1949
 c Also 1/1941

Station: ELKINS WB AP, WEST VIRGINIA*

Drainage basin: TYGART

County: RANDOLPH

Lat. 38° 53'N Long. 79° 51'W

Elev.(ft.) 2006

Period of record: 1940-1950**

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.32 18/1943	0.41 5/1949	0.47 1/1948	0.76 1/1948	0.86 30-31/1950	1.35 26-27/1943
Feb.	Amt. Date	0.39 22/1944	0.65 28/1945	0.83 22/1944	0.98 22/1944	1.78 22/1944	1.78 22/1944
Mar.	Amt. Date	0.61 23/1948	0.91 23/1948	1.37 23/1948	1.95 23/1948	1.99 23/1948	2.19 23/1948
Apr.	Amt. Date	0.68 16/1940	0.85 27/1948	0.85 27/1948	1.03 16-17/1940	1.30 16-17/1940	1.50 16-17/1940
May	Amt. Date	0.59 23/1941	0.81 3-4/1942	0.89 3-4/1942	1.11 15-16/1942	1.32 15-16/1942	1.69 21-22/1949
Jun.	Amt. Date	1.96 25/1945	2.00 25/1945	2.01 25/1945	2.66 24-25/1950	2.92 24-25/1950	4.20 7-8/1947
Jul.	Amt. Date	1.35 12/1943	1.67 12/1943	1.80 12/1943	1.92 12/1943	2.21 3-4/1941	2.67 3-4/1941
Aug.	Amt. Date	1.62 3/1942	1.84 3/1942	1.85 3/1942	1.93 3/1942	2.42 11-12/1941	2.43 11-12/1941
Sep.	Amt. Date	1.01 9/1946	1.34 3/1943	1.66 3/1943	1.76 3/1943	2.38 24-25/1940	2.72 24-25/1940
Oct.	Amt. Date	0.47 2/1948	0.56 25/1946	0.71 25/1946	1.12 25/1946	1.42 20/1944	1.68 20-21/1944
Nov.	Amt. Date	0.40 26/1940	0.70 28/1949	0.92 28/1949	1.40 28/1949	1.48 28/1949	1.64 28-29/1949
Dec.	Amt. Date	0.29 5/1941	0.40 5/1941	0.53 5/1941	0.78 15/1948	1.36 15/1948	2.05 15-16/1948
Annual	Amt. Date	1.96 6/25/45	2.00 6/25/45	2.01 6/25/45	2.66 6/24-25/50	2.92 6/24-25/50	4.20 6/7-8/47

File No. 50028- January 1-hr; March 2-, 3-hr; April 1-hr; June 1-, 24-hr; September 2-, 3-hr. and December 24-hr. are true maxima.

*Formerly Elkins WB City Office

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

Station: ELKINS WB AP, WEST VIRGINIA*

Drainage basin: TYGART

County: RANDOLPH

Lat. 38° 53' N Long. 79° 51' W

Elev.(ft.) 2006

Period of record: 1899-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.58 22/1906	0.78 22/1906	0.85 22/1906	1.32 22/1906	1.43 22/1906	1.84 29-30/1911
Feb.	Amt. Date	0.59 8/1937	0.94 4/1932	1.07 4/1932	1.87 4/1932	2.73 4/1932	2.75 4/1932
Mar.	Amt. Date	0.64 24/1936	0.82 24/1936	1.37 23/1948	1.95 23/1948	2.09 16-17/1936	3.40 16-17/1936
Apr.	Amt. Date	0.68 16/1940	0.85 27/1948	0.85 27/1948	1.33 25-26/1906	2.05 25/1937	2.50 25-26/1937
May	Amt. Date	1.08 7/1918	1.28 18/1929	1.32 7/1918	1.57 26-27/1917	1.93 11-12/1924	2.69 11-12/1924
Jun.	Amt. Date	1.96 25/1945	2.00 25/1945	2.01 25/1945	2.66 24-25/1950	2.92 24-25/1950	4.20 7-8/1947
Jul.	Amt. Date	2.06 17/1907	3.39 8/1935	3.70 8/1935	3.87 17/1907	4.22 17/1907	5.45 7-8/1935
Aug.	Amt. Date	2.37 4/1911	2.40 4/1911	2.43 4/1911	2.44 4/1911	2.44 4/1911	3.40 2-3/1921
Sep.	Amt. Date	1.29 26/1902	1.35 26/1902	1.66 3/1943	1.76 3/1943	2.38 24-25/1940	3.06 4-5/1937
Oct.	Amt. Date	0.74 18/1915	1.14 18/1915	1.18 18/1915	1.85 2/1929	3.18 1-2/1929	4.34 1-2/1929
Nov.	Amt. Date	0.53 5/1938	0.80 5/1938	0.92 28/1949	1.50 25/1900	2.61 25/1900	3.15 25-26/1900
Dec.	Amt. Date	0.56 14/1901	0.90 14/1901	1.09 14/1901	1.84 14/1901	2.66 14/1901	2.79 14/1901
Annual	Amt. Date	2.37 8/4/11	3.39 7/8/35	3.70 7/8/35	3.87 7/17/07	4.22 7/17/07	5.45 7/7-8/35

File No. 50028- January 1-, 2-hr; February 1-, 2-hr; March 3-hr; April 1-, 24-hr; May 1-, 24-hr; June 1-, 24-hr; July 1-, 2-, 24-hr; August 1-hr; September 3-hr; October 1-, 24-hr; November 1-, 24-hr., and December 1-, 24-hr are true maxima.

*Formerly Elkins WB City Office

Station: FLAT TOP, WEST VIRGINIA

Drainage basin: BLUESTONE

County: MERCER

Lat. 37° 35'N Long. 81° 06'W

Elev.(ft.) 3270

Period of record: 1940-1950 (BREAKS)

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.31 22/1949	0.46 22/1949	0.55 22/1949	0.74 15/1947	1.26 7/1946	1.74 7-8/1946	
Feb.	0.22 20/1947	0.31 1/1950	0.44 20/1947	0.83 20/1947	1.26 20/1947	1.73 1-2/1950	
Mar.	0.44 17/1942	0.63 16/1948	0.76 18/1949	1.10 17-18/1949	1.52 17-18/1949	1.55 17-18/1949	
Apr.	0.72 6/1948	0.81 6/1948	0.88 6/1948	1.05 4/1941	1.11 4-5/1941	1.55 6-7/1948	
May	0.46 24/1950	0.75 9/1943	0.78 11/1943	0.94 11-12/1943	1.07 11-12/1943	1.55 15-16/1942	
Jun.	1.48 6/1943	2.05 6/1943	2.05 6/1943	2.32 6-7/1943	3.31 16-17/1949	3.43 16-17/1949	
Jul.	2.32 21/1946	2.72 21/1946	2.72 21/1946	2.72 21/1946	2.76 21/1946	3.12 21-22/1946	
Aug.	1.69 15/1949	2.85 15/1949	3.12 15/1949	3.23 15/1949	3.27 15/1949	4.26 15-16/1949	
Sep.	0.82 9/1946	0.88 9/1946	1.39 6/1947	2.00 6/1947	2.06 6/1947	2.32 16-17/1945	
Oct.	0.36 4/1942	0.70 4/1942	0.89 4/1942	1.01 3-4/1942	1.79 4/1942	1.96 4/1942	
Nov.	0.38 1/1943	0.50 24/1949	0.72 24/1949	0.95 24/1949	1.24 28/1948	1.77 28-29/1948	
Dec.	0.39 15/1948	0.59 15/1948	0.67 15/1948	1.07 15/1948	2.16 15/1948	2.30 15/1948	
Annual	Amt. Date	2.32 7/21/46	2.85 8/15/49	3.12 8/15/49	3.23 8/15/49	3.31 6/16-17/49	4.26 8/15-16/49

File No. 50028-

Station: FRANKLIN, WEST VIRGINIA

Drainage basin: POTOMAC - SO. BRANCH

County: PENDLETON

Lat. 38° 42' N Long. 79° 20' W

Elev.(ft.) 1750

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.22 18/1943	0.33 14/1940	0.53E 31-1/1948	0.92E 31-1/1948	1.20 31-1/1948	1.20 31-1/1948
Feb.	Amt. Date	0.28 1/1948	0.40a 22/1944	0.71 10/1946	0.92E 31-1/1948	1.20 31-1/1948	1.20 31-1/1948
Mar.	Amt. Date	0.42 14/1946	0.58 14/1946	0.65 14/1946	0.69 14/1946	0.91 27-28/1942	1.16 23-24/1948
Apr.	Amt. Date	0.76 30/1947	0.92 13/1949	1.20 13/1949	1.33 13/1949	1.49 13/1949	1.93 13/1948
May	Amt. Date	0.94 24/1944	1.14 25/1944	1.30 24/1944	1.62 24/1944	1.88 15-16/1942	2.77 29-30/1940
Jun.	Amt. Date	2.09 26/1943	2.14 26/1943	2.14 26/1943	3.30 17/1949	4.14 17/1949	5.07 17-18/1949
Jul.	Amt. Date	1.36 28/1945	2.21 7-8/1943	2.58 7-8/1943	2.62 7-8/1943	2.92 7-8/1943	3.32 7-8/1943
Aug.	Amt. Date	1.19 22/1947	1.28 23/1942	1.60 23/1942	1.61 23/1942	1.74 28-29/1949	2.01 7-8/1942
Sep.	Amt. Date	0.91 3/1943	1.60 3/1943	1.81 3/1943	2.44 3/1943	2.44 3/1943	2.68E 17-18/1945
Oct.	Amt. Date	0.39b 14/1942	0.60 25/1946	0.89 23/1946	1.26 25/1946	1.96 20/1944	2.20 20-21/1944
Nov.	Amt. Date	0.48 4/1950	0.64 4/1950	0.87 4/1950	0.93 4/1950	1.02 4/1950	1.68 3/1947
Dec.	Amt. Date	0.30 7/1950	0.49 3-4/1950	0.70 7/1950	1.00 3-4/1950	1.21 3-4/1950	1.26 3-4/1950
Annual	Amt. Date	2.09 6/26/43	2.21 7/7-8/43	2.58 7/7-8/43	3.30 6/17/49	4.14 6/17/49	5.07 6/17-18/49

File No. 50028-

- a Also 1/1948
- b Also 7/1944

Station: FREEMANSBURG, WEST VIRGINIA

Drainage basin: WEST FORK

County: LEWIS

Lat. 39° 06' N Long. 80° 31' W

Elev.(ft.) 1030

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.55 29/1950	0.72 29/1950	0.80 29/1950	1.24 1/1948	1.35 1/1948	1.50 1-2/1948
Feb.	Amt. Date	0.41 22/1949	0.58a 22/1944	0.80 22/1944	1.06 8-9/1950	1.79 22/1944	2.31 26-27/1945
Mar.	Amt. Date	0.37 4/1944	0.66 23/1948	0.74 23/1948	0.90 23-24/1948	1.51 6/1945	1.77 5-6/1945
Apr.	Amt. Date	0.64 17/1945	0.94 17/1945	1.07 17/1945	1.38 12/1948	1.72 12/1948	2.15 12-13/1948
May	Amt. Date	0.61 6/1942	0.76 21/1949	0.94 16-17/1941	1.21 30/1940	1.70 30/1940	2.19 30/1940
Jun.	Amt. Date	2.20 24/1950	3.70 24/1950	4.20 24/1950	4.82E 24-25/1950	5.19E 24-25/1950	5.80 24-25/1950
Jul.	Amt. Date	1.29 29/1942	1.50 27/1947	1.60 27/1947	1.95 27-28/1947	2.16 27-28/1947	2.16 27-28/1947
Aug.	Amt. Date	1.99 15/1949	2.79 15/1949	3.40 15/1949	4.38 15/1949	4.78 15/1949	5.23 23-24/1945
Sep.	Amt. Date	1.60 19/1948	2.10 19/1948	2.48 19/1948	2.60 19/1948	2.80 24-25/1940	2.86 24-25/1940
Oct.	Amt. Date	0.37 5/1942	0.62 20/1944	0.89 20/1944	1.41 20/1944	2.02 20/1944	2.26 20/1944
Nov.	Amt. Date	0.56 13/1949	0.58 13/1949	0.63 2/1943	1.07 28/1949	1.31 2/1943	1.68 1-2/1943
Dec.	Amt. Date	0.47 15/1948	0.65 14-15/1948	0.75 14-15/1948	1.28 14-15/1948	1.86 14-15/1948	2.37 14-15/1948
Annual	Amt. Date	2.20 6/24/50	3.70 6/24/50	4.20 6/24/50	4.82E 6/24-25/50	5.19E 6/24-25/50	5.80 6/24-25/50

File No. 50028- a Also 22/1949

Station: GARY, WEST VIRGINIA

Drainage basin: TUG FORK

County: McDOWELL

Lat. 37° 22' N Long. 81° 33' W

Elev.(ft.) 1426

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.51 7/1946	0.87 7/1946	1.19 7/1946	1.60 7/1946	1.90 7/1946	2.50 7-8/1946
Feb.	Amt. Date	0.40 17/1945	0.70 17/1945	0.83 17/1945	1.33 17/1945	1.68 17/1944	1.83 17/1944
Mar.	Amt. Date	0.59 17/1946	0.91 17/1946	0.96 16/1948	1.27 13/1943	1.50 16/1948	1.50 16/1948
Apr.	Amt. Date	0.54 28/1946	0.64 11/1944	0.74 6/1948	1.08 28/1946	1.54 28/1946	1.56 28/1946
May	Amt. Date	0.74 16/1942	1.02 12/1950	1.07 12/1950	1.17 12/1950	1.23 12/1950	1.27 11-12/1950
Jun.	Amt. Date	1.33 1/1942	1.34 1/1942	1.34 1/1942	1.49 1/1942	1.90 16-17/1949	2.14 1-2/1942
Jul.	Amt. Date	1.12 2/1944	1.26 2/1944	1.29 2/1944	1.57 10/1949	1.68 10/1949	1.68 10/1949
Aug.	Amt. Date	1.00 6/1945	1.31 4/1947	2.20 4/1947	2.65 4/1947	2.65 4/1947	3.99 3-4/1947
Sep.	Amt. Date	1.25 2/1941	1.25 2/1941	1.25 2/1941	1.45 6/1947	1.45 6/1947	2.60 2-3/1941
Oct.	Amt. Date	0.69 23/1950	1.15 23/1950	1.18 23/1950	1.50 20/1944	2.05 19-20/1944	2.13 19-20/1944
Nov.	Amt. Date	0.51 1/1941	0.53 24/1949	0.73 24/1949	0.88 24/1949	0.98 28/1948	1.49 28-29/1948
Dec.	Amt. Date	0.35 3/1948	0.63 7/1950	0.90 7/1950	1.02a 1/1942	1.48 3/1948	2.19 2-3/1948
Annual	Amt. Date	1.33 6/1/42	1.34 6/1/42	2.20 8/4/47	2.65 8/4/47	2.65 8/4/47	3.99 8/3-4/47

File No. 50028-

a Also 3/1948 and 7/1950

Station: GLENGARY, WEST VIRGINIA

Drainage basin: POTOMAC

County: BERKELEY

Lat. 39° 23'N Long. 78° 09'W

Elev.(ft.) 600 EST.

Period of record: 1940-1945

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.22 18/1943	0.28 18/1943	0.34 28/1943	0.63 28/1943	1.01 28/1943	1.09 28/1943	
Feb.	0.23 26/1945	0.42 26/1945	0.62 26/1945	0.96 26/1945	1.00 26/1945	1.03 26-27/1945	
Mar.	0.29 6/1943	0.47 6/1943	0.57 6/1943	0.85 6/1943	1.24 12-13/1944	1.46 2-3/1942	
Apr.	0.37 20/1943	0.42 20/1943	0.55 8/1940	0.96 5/1941	1.39 5/1941	1.85 18-19/1943	
May	0.86 19/1942	0.94 19/1942	1.16 19/1942	1.26 19/1942	1.94 21-22/1942	2.74 21-22/1942	
Jun.	1.15 15/1943	1.23 7/1940	1.39 7/1940	1.39 7/1940	1.39 7/1940	1.82 3-4/1941	
Jul.	1.67 27/1942	1.72 27/1942	1.73 27/1942	1.73 27/1942	1.73 27/1942	1.73 27/1942	
Aug.	1.40 17/1942	1.70 17/1942	1.80 17/1942	1.84 17/1942	2.81 12/1942	2.93 12-13/1942	
Sep.	1.62 8/1942	2.25 8/1942	2.36 8/1942	2.36 8/1942	2.44 25/1940	2.75 24-25/1940	
Oct.	0.50 7/1944	0.55 7/1944	0.71 20/1944	1.23 20/1944	1.57 20/1944	1.82 20-21/1944	
Nov.	0.66 6/1941	0.93 6/1941	0.93 6/1941	0.93 6/1941	1.13 1-2/1940	1.37 1-2/1940	
Dec.	0.31 26/1940	0.62 26/1940	0.76 26/1940	1.07 26/1940	1.32 25-26/1940	1.37 25-26/1940	
Annual	1.67 7/27/42	2.25 9/8/42	2.36 9/8/42	2.36 9/8/42	2.81 8/12/42	2.93 8/12-13/42	

File No. 50028-

Station: GRIFFITHSVILLE, WEST VIRGINIA

Drainage basin: MUD

County: LINCOLN

Lat. 38° 14'N Long. 81° 59'W

Elev.(ft.) 850

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.64 18/1943	0.70 18/1943	0.71a 18/1943	1.25 7/1946	1.74 7/1946	2.18 31-1/1945
Feb.	Amt. Date	0.37 16/1949	0.51 28/1945	0.73 28/1945	0.97 28/1945	1.02 28/1945	1.49 31-1/1950
Mar.	Amt. Date	0.39 30/1940	0.57 30/1940	1.71 30/1940	0.92 30/1940	1.43 30/1940	1.73 18-19/1943
Apr.	Amt. Date	0.65 17/1945	0.97 17/1945	1.13 11/1944	1.35 11/1944	1.51 19/1943	2.40 12-13/1948
May	Amt. Date	0.87 23/1944	1.10 1/1946	1.26 1/1946	1.56 1/1946	1.65 31-1/1946	2.19 16-17/1945
Jun.	Amt. Date	2.51 27/1946	2.67 27/1946	2.68 27/1946	2.72 27/1946	3.07 7-8/1947	3.98E 7-8/1947
Jul.	Amt. Date	2.04 6/1948	2.07 6/1948	2.09 6/1948	2.30 4/1941	2.61 4/1941	2.72 4/1941
Aug.	Amt. Date	0.92 23/1942	1.72 23/1942	2.39 14/1947	3.40 23/1942	3.73 23/1942	3.73 23/1942
Sep.	Amt. Date	2.25 19/1950	2.35 19/1950	2.60 19/1950	3.47 19/1950	4.00 19-20/1950	4.30 19-20/1950
Oct.	Amt. Date	0.63 15/1943	0.73 15/1943	0.83 15/1943	0.96 15/1943	1.22 15/1943	1.46 15-16/1943
Nov.	Amt. Date	0.42 2/1945	0.55 2/1945	0.75 2.1945	1.17 2.1945	1.87 2/1945	2.28 2-3/1945
Dec.	Amt. Date	0.79 10/1949	0.87 10/1949	0.96 10/1949	1.28 30/1942	1.54 29-30/1942	2.21 29-30/1942
Annual	Amt. Date	2.51 6/27/46	2.67 6/27/41	2.68 6/27/46	3.47 9/19/50	4.00 9/19-20/50	4.30 9/19-20/50

File No. 50028- a Also 7/1946

Station: HALL, WEST VIRGINIA

Drainage basin: BUCKHANNON

County: BARBOUR

Lat. 39° 03'N Long. 80° 07'W

Elev.(ft.) 1375

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.39 31/1950	0.59 31/1950	0.71 30-31/1950	1.07 1/1948	1.37 30-31/1950	2.16 30-31/1950
Feb.	Amt. Date	0.38 22/1944	0.63 22/1944	0.81 22/1944	1.00 22/1944	1.77 22/1944	1.88 26-27/1945
Mar.	Amt. Date	0.48a 30/1946	0.74 23/1948	0.96 23/1948	1.19 23-24/1948	1.55 23-24/1948	1.57 23-24/1948
Apr.	Amt. Date	0.67 27/1948	0.97 17/1945	1.04 17/1945	1.32 17/1945	1.34 17/1945	1.64 12-13/1948
May	Amt. Date	0.75 19/1942	0.96 27/1946	1.12 27/1946	1.29 27/1946	1.50 2/1948	2.01 17-18/1945
Jun.	Amt. Date	3.75 24/1950	3.90 24/1950	3.91 24-25/1950	4.00 24-25/1950	4.01 24-25/1950	4.43 24-25/1950
Jul.	Amt. Date	0.87 29/1945	1.33 29/1945	1.47 29/1945	1.49 29/1945	2.01 29/1945	2.68 28-29/1945
Aug.	Amt. Date	1.20 14/1944	1.70 15/1949	2.19 15/1949	3.11 15/1949	3.50 15/1949	3.50 15/1949
Sep.	Amt. Date	1.07 19/1948	1.17 19/1948	1.31 15/1947	1.52 19/1948	2.70 24-25/1940	3.26 24-25/1940
Oct.	Amt. Date	0.47b 14/1949	0.85 14/1949	1.18 14/1949	1.64 14/1942	2.25 20/1944	2.48 20-21/1944
Nov.	Amt. Date	0.68 28/1949	0.74 28/1949	0.88 28/1949	1.56 28/1949	1.84 28-29/1949	1.88 24-25/1950
Dec.	Amt. Date	0.30 29/1946	0.43 29/1946	0.52 15/1948	0.82 15/1948	1.40 15/1948	2.20 15-16/1948
Annual	Amt. Date	3.75 6/24/50	3.90 6/24/50	3.91 6/24-25/50	4.00 6/24-25/50	4.01 6/24-25/50	4.43 6/24-25/50

File No. 50028- a Also 23/1948

b Also 20/1944

Station: HUNDRED, WEST VIRGINIA

Drainage basin: OHIO

County: WETZEL

Lat. 39° 41'N Long. 80° 27'W

Elev.(ft.) 1034

Period of record: 1940-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.47 15/1947	0.61 15/1947	0.82 15/1947	1.09 15/1947	1.27 1/1948	1.65 1-2/1948	
Feb.	0.29 6/1943	0.40a 14/1940	0.54 14/1940	0.91 13-14/1940	1.26 13-14/1940	2.04 26-27/1945	
Mar.	0.43 14/1946	0.70 14/1946	0.90 14/1946	1.26E 11/1942	2.20E 2-3/1942	2.97E 2-3/1942	
Apr.	0.40b 14/1945	0.70 14/1948	0.98 14/1948	1.55 11-12/1948	2.15 11-12/1948	2.56 11-12/1948	
May	0.94 19/1943	1.02 19/1943	1.05 19/1943	1.29 30/1940	1.79 30/1940	2.30 30/1940	
Jun.	1.40 13/1943	1.69 10/1942	1.69 10/1942	2.89 4/1941	4.06 4/1941	4.85 3-4/1941	
Jul.	1.58 13/1948	1.69 13/1948	1.82 13/1948	1.83 13-14/1948	1.92 13-14/1948	2.18 13/1948	
Aug.	1.40 1/1941	1.84 14/1943	2.22 13-14/1943	2.25 13-14/1943	2.25 13-14/1943	2.25 13-14/1943	
Sep.	0.80 17/1942	1.34 17/1942	1.42 17/1942	1.78 1/1945	2.24 1/1945	3.14 17-18/1942	
Oct.	0.54 15/1943	0.57 15/1943	0.70c 2/1945	0.95 29-30/1940	1.45 15/1943	1.74 20-21/1944	
Nov.	0.31 3/1945	0.52 26/1940	0.65 26/1940	1.08 26/1940	1.20 26/1940	1.62E 3-4/1950	
Dec.	0.48 15/1948	0.67 15/1948	0.87 29/1942	1.44 29/1942	2.03 29/1942	2.43 29-30/1942	
Annual	1.58 7/13/48	1.84 8/14/43	2.22 8/13-14/43	2.89 6/4/41	4.06 6/4/41	4.85 6/3-4/41	

File No. 50028- a Also 26/1945 b Also 14/1948 c Also 25/1946

Station: HUNTINGTON, WEST VIRGINIA

Drainage basin: OHIO

County: CABELL

Lat. 38° 25'N Long. 82° 26'W

Elev.(ft.) 600

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.65 29/1950	0.84 15/1947	0.99 15/1947	1.25 7/1946	1.74 7/1946	1.96 30-31/1950
Feb.	Amt. Date	0.50 28/1948	0.62 28/1948	0.64a 28/1945	0.85 26/1945	1.25 26/1945	2.20 26-27/1945
Mar.	Amt. Date	0.52 19/1943	0.90 19/1943	1.07 19/1943	1.37 19/1943	1.81 18-19/1943	2.38 18-19/1943
Apr.	Amt. Date	0.65 12/1948	0.99 12/1948	1.22 12/1948	1.92 12/1948	2.38 12/1948	3.13 12-13/1948
May	Amt. Date	1.13 15/1946	1.18 15/1946	1.19 15/1946	1.37 11/1943	1.62 11/1943	1.77 31-1/1944
Jun.	Amt. Date	1.39 21/1942	1.75 7/1942	1.75 7/1942	2.31 1-2/1946	3.03 1-2/1946	3.58 1-2/1946
Jul.	Amt. Date	2.45 12/1941	3.16 12/1941	3.22 12/1941	3.22 12/1941	3.25 12-13/1941	3.25 12-13/1941
Aug.	Amt. Date	1.51 4/1949	2.01 4/1949	2.25 4/1949	2.25 4/1949	2.25 4/1949	2.25 4/1949
Sep.	Amt. Date	1.19 5/1947	1.81 5/1947	1.93 5/1947	2.20 5-6/1947	2.30 5-6/1947	2.51 21-22/1950
Oct.	Amt. Date	1.24 4/1947	1.29 4/1947	1.29 4/1947	1.29 4/1947	1.73 30-31/1949	1.75 30-31/1949
Nov.	Amt. Date	0.42b 6/1941	0.80 6/1941	1.03 6/1941	1.34 28/1949	1.39 28/1949	1.51 28-29/1949
Dec.	Amt. Date	0.32 2/1941	0.50 7/1950	0.70 7/1950	0.99c 31/1944	1.62 14-15/1948	2.43 31-1/1944
Annual	Amt. Date	2.45 7/12/41	3.16 7/12/41	3.22 7/12/41	3.22 7/12/41	3.25 7/12-13/41	3.58 6/1-2/46

File No. 50028-

- a Also 28/1948
- b Also 2/1945
- c Also 7/1950

Station: LAKE LYNN, WEST VIRGINIA

Drainage basin: CHEAT

County: MONONGALIA

Lat. 39° 43' N Long. 79° 51' W

Elev.(ft.) 900

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.40 7/1946	0.49 7/1946	0.80 7/1946	1.01 1/1948	1.13 1/1948	1.73 1-2/1948
Feb.	Amt. Date	0.29 22/1944	0.47 22/1944	0.55 22/1944	0.62 8-9/1950	1.04 26-27/1945	1.68 26-27/1945
Mar.	Amt. Date	0.74 29/1946	0.78 29/1946	0.78 29/1946	0.86 26/1946	1.35 26/1946	1.82 5-6/1945
Apr.	Amt. Date	0.50 17/1945	0.70 17/1945	0.91 12/1948	1.48 12/1948	2.19 11-12/1948	2.39 11-12/1948
May	Amt. Date	0.65 19/1940	0.82 19/1940	0.89 15-16/1942	1.20 30/1940	1.47 30/1940	1.85 30/1940
Jun.	Amt. Date	1.40 7/1942	1.84 7/1942	1.87 7/1942	1.92 7/1942	2.23 4/1941	3.31 3-4/1941
Jul.	Amt. Date	1.56 26/1943	2.40 26/1943	2.56 26/1943	3.10 25-26/1943	3.15 25-26/1943	3.15 25-26/1943
Aug.	Amt. Date	1.65 25/1947	1.91 12/1942	2.31 12/1942	2.40 12/1942	2.40 12/1942	2.83 4-5/1948
Sep.	Amt. Date	0.71 5/1941	1.00a 4/1944	1.02 13/1950	1.79 5/1941	1.80 5/1941	2.04 24-25/1940
Oct.	Amt. Date	0.58 14/1942	0.82 14/1942	1.06 14/1942	1.41 20/1944	1.92 20/1944	2.51 20-21/1944
Nov.	Amt. Date	0.56 2/1943	0.87 2/1943	1.02 2/1943	1.14 2/1943	1.32 24/1950	1.53 24/1950
Dec.	Amt. Date	0.41 15/1948	0.48 15/1948	0.51 15/1948	0.86 15/1948	1.16 15/1948	1.50 15/1948
Annual	Amt. Date	1.65 8/25/47	2.40 7/26/43	2.56 7/26/43	3.10 7/25-26/43	3.15 7/25-26/43	3.31 6/3-4/41

File No. 50028-

a Also 13/1950

Station: LAKIN, WEST VIRGINIA

Drainage basin: OHTO

County: MASON

Lat. 38° 58'N Long. 82° 05'W

Elev.(ft.) 640

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.61 7/1946	0.74 7/1946	0.80 7/1946	1.25 1/1948	1.45a 15/1947	1.67 4-5/1950
Feb.	Amt. Date	0.53 28/1948	0.61 28/1948	0.80b 8-9/1950	1.34 8-9/1950	1.58 8-9/1950	2.52 26-27/1945
Mar.	Amt. Date	0.66 4/1944	0.68c 4/1944	0.95 6/1945	1.31 6/1945	1.97 6/1945	2.18 5-6/1945
Apr.	Amt. Date	0.63 12/1948	1.03 12/1948	1.19 12/1948	1.93 12/1948	2.55 11-12/1948	3.24 11-12/1948
May	Amt. Date	2.24 28/1950	2.64 28/1950	2.88 28/1950	2.91 28/1950	2.96 28/1950	3.21 27-28/1950
Jun.	Amt. Date	1.21 22/1942	1.23 22/1942	1.23 22/1942	1.33 20/1950	2.60 31-1/1941	2.89 31-1/1941
Jul.	Amt. Date	2.35 27/1947	2.55 27/1947	2.61 27/1947	2.70 27-28/1947	2.74 27-28/1947	2.74 27-28/1947
Aug.	Amt. Date	1.27 3/1947	1.62 3/1947	1.75 3/1947	1.82 3/1947	2.52 26/1940	2.62 25-26/1940
Sep.	Amt. Date	1.58 5/1947	2.69 5/1947	3.05 5/1947	3.11 5/1947	3.55 5/1947	3.67 5/1947
Oct.	Amt. Date	0.45 31/1941	0.69 31/1941	0.81 31/1941	1.15 31/1941	1.24 31/1941	1.27 31/1941
Nov.	Amt. Date	0.53 6/1941	0.73 6/1941	0.96 28/1949	1.23d 6/1941	1.25d 6/1941	1.27 31-1/1941
Dec.	Amt. Date	0.52 14/1948	0.83 14-15/1948	1.12 14-15/1948	1.93 14-15/1948	2.90 14-15/1948	3.42 14-15/1948
Annual	Amt. Date	2.35 7/27/47	2.69 9/5/47	3.05 9/5/47	3.11 9/5/47	3.55 9/5/47	3.67 9/5/47

File No. 50028-

a Also 1/1948

c Also 6/1945

b Also 22/1944

d Also 28/1949

Station: LIVERPOOL, WEST VIRGINIA

Drainage basin: OHIO

County: JACKSON

Lat. 38° 54' N Long. 81° 32' W

Elev.(ft.) 660

Period of record: 1940-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.33 29/1950	0.47 15/1947	0.61 15/1947	1.11 1/1948	1.30 1/1948	1.41 30-31/1950	
Feb.	0.32 26/1945	0.48 22/1944	0.64 22/1944	1.19 22/1944	1.69 22/1944	2.39 26-27/1945	
Mar.	0.42 6/1945	0.62 6/1945	0.79 6/1945	1.10 19/1943	1.70 6/1945	2.06 18-19/1943	
Apr.	0.51 12/1949	0.79 16-17/1945	0.97 16-17/1945	1.51 12/1948	1.89 12/1948	2.37 12-13/1948	
May	1.89 31/1944	1.92 31/1944	1.92 31/1944	1.93 31/1944	1.93 31/1944	1.93 31/1944	
Jun.	1.11 16/1950	1.52 16/1950	1.80 16/1950	1.95 1-2/1946	3.00 1-2/1946	3.65 1-2/1946	
Jul.	2.01 6/1943	2.37 6/1943	2.38 6/1943	2.39 6/1943	2.40 6/1943	2.40 6/1943	
Aug.	1.95 21/1947	2.21 21/1947	2.29 21/1947	2.35 21/1947	2.40 21/1947	2.40 21/1947	
Sep.	0.82 5/1947	1.21 12/1950	1.35 12/1950	1.78 12/1950	1.89 24-25/1940	1.90a 24-25/1940	
Oct.	0.88 15/1943	0.93 15/1943	1.03 15/1943	1.15 15/1943	1.30 15/1943	1.40 15-16/1943	
Nov.	0.37 24/1947	0.64 3/1947	0.93 28/1949	1.53 28/1949	1.61 28/1949	1.81 28-29/1949	
Dec.	0.73 11/1944	0.79 11/1944	0.84 11/1944	1.44 14-15/1948	2.01 14-15/1948	2.49 14-15/1948	
Annual	2.01 7/6/43	2.37 7/6/43	2.38 7/6/43	2.39 7/6/43	3.00 6/1-2/46	3.65 6/1-2/46	

File No. 50028- a Also 12-13/1950

Station: LOCKNEY, WEST VIRGINIA

Drainage basin: LITTLE KANAWHA

County: GILMER

Lat. 38° 51'N Long. 80° 58'W

Elev.(ft.) 720

Period of record: 1943-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.37a 24/1949	0.59 30-31/1950	0.68 30-31/1950	0.95 30-31/1950	1.30 30-31/1950	1.67 30-31/1950	
Feb.	0.35 14/1948	0.47b 22/1944	0.61 10/1946	1.03 22/1944	1.63 22/1944	1.85 26-27/1945	
Mar.	0.47 18/1946	0.52 14/1946	0.68 2/1948	0.96 14/1946	1.44 21/1945	1.71 18-19/1946	
Apr.	0.60 13/1949	0.78 17/1945	1.08 17/1945	1.23 17/1945	1.60 12/1948	1.99 12-13/1948	
May	0.57 28/1950	0.75 28/1950	0.85 27/1946	1.05 27/1946	1.16 26-27/1946	1.55 27-28/1950	
Jun.	1.75 29/1949	1.80 29/1949	1.86 6/1948	2.12 6/1948	2.18 6-7/1948	2.70 28-29/1949	
Jul.	1.37 17/1947	1.56 29/1945	1.58 29/1945	1.60 29/1945	1.63 29/1945	2.22 28-29/1945	
Aug.	1.14 15/1950	1.26 15/1950	1.34 15/1950	1.40 15/1950	1.99 23-24/1945	2.59 23-24/1945	
Sep.	0.84 12/1944	1.03 5/1947	1.19 21/1948	1.88 28/1944	1.92 28/1944	2.01 28-29/1944	
Oct.	0.33 25/1946	0.57 25/1946	0.76 20/1944	1.25 20/1944	1.70 20/1944	1.93 20-21/1944	
Nov.	0.38 2/1945	0.62 28/1949	0.89 28/1949	1.50 28/1949	1.69 28-29/1949	1.73 28-29/1949	
Dec.	0.34 15/1948	0.61 15/1948	0.75 15/1948	1.37 15/1948	1.94 14-15/1948	2.49 14-15/1948	
Annual	1.75 6/29/49	1.80 6/29/49	1.86 6/6/48	2.12 6/6/48	2.18 6/6-7/48	2.70 6/28-29/49	

File No. 50028-

a Also 30/1950

b Also 10/1946

Station: LOGAN, WEST VIRGINIA

Drainage basin: GUYANDOT

County: LOGAN

Lat. 37° 51' N Long. 82° 00' W

Elev.(ft.) 664

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.46 18/1943	0.73 7/1946	0.88 7/1946	1.24 7/1946	2.19 7/1946	2.35 7/1946
Feb.	Amt. Date	0.38 9/1950	0.61 9/1950	0.77 9/1950	0.89 9/1950	1.14 13-14/1949	1.40 13-14/1948
Mar.	Amt. Date	0.47 24/1947	0.61a 17/1942	0.86 19/1943	1.12 18-19/1943	1.33 18-19/1943	2.21 18-19/1943
Apr.	Amt. Date	0.67 17/1945	0.90 17/1945	1.15 11/1944	1.15b 11/1944	1.42 19/1943	1.77 11-12/1944
May	Amt. Date	0.75 23/1944	0.87 18/1944	1.11 31/1944	1.19 31/1944	1.29 17-18/1944	1.34 17-18/1944
Jun.	Amt. Date	0.73c 21/1942	0.99 30/1942	1.21 19/1950	1.54 19/1950	2.00 19/1950	3.23 18-19/1950
Jul.	Amt. Date	1.08 26/1945	1.58 26/1945	1.62 26/1945	1.73 9-10/1949	1.78 9-10/1949	1.99 9-10/1949
Aug.	Amt. Date	1.52 15/1944	1.86 15/1944	2.07 15/1944	2.48 3/1947	2.48 3/1947	2.72 14-15/1944
Sep.	Amt. Date	1.54 19/1950	2.08 19/1950	2.08 19/1950	2.60 5-6/1947	2.62 5-6/1947	2.69 19-20/1950
Oct.	Amt. Date	0.58 22/1950	0.62 28/1947	0.79d 15/1943	1.40 28/1947	1.77 28/1947	2.15 8/1947
Nov.	Amt. Date	0.39 2/1950	0.54 2/1950	0.57 2/1950	0.79 6/1948	1.15 2/1945	1.62 2-3/1945
Dec.	Amt. Date	0.40 4/1941	0.58 4/1941	0.78 7/1950	0.93 7/1950	1.25 31-1/1944	1.75 29-30/1942
Annual	Amt. Date	1.54 9/19/50	2.08 9/19/50	2.08 9/19/50	2.60 9/5-6/47	2.62 9/5-6/47	3.23 6/18-19/50

File No. 50028-

a Also 19/1943

c Also 17/1943

b Also 16-17/1945

d Also 28/1947

Station: MACFARLAN, WEST VIRGINIA

Drainage basin: HUGHES

County: RITCHIE

Lat. 39° 05' N Long. 81° 12' W

Elev.(ft.) 670

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.52 24/1949	0.58 24/1949	0.77 15/1947	1.16 1/1948	1.44 1/1948	1.54 1/1948
Feb.	Amt. Date	0.37 22/1949	0.62 22/1949	0.81 8-9/1950	1.26 8-9/1950	1.61 22/1944	2.25 26-27/1945
Mar.	Amt. Date	0.65 30/1946	0.70 30/1946	0.72 30/1946	0.83 19/1943	1.44 6/1945	1.64 5-6/1945
Apr.	Amt. Date	0.61 17/1945	0.88 17/1945	1.05 17/1945	1.57 12/1948	2.11 12/1948	2.65 12/1948
May	Amt. Date	0.78 17/1945	1.01 29/1948	1.17 17/1945	1.38 17/1945	1.74 17/1945	2.03 16-17/1945
Jun.	Amt. Date	1.77 29/1944	2.17 29/1944	2.24 2/1944	2.26 2/1944	2.60 1-2/1946	3.34 1-2/1946
Jul.	Amt. Date	1.08 5/1948	1.39 10/1942	1.46 10/1942	2.11 27-28/1947	2.12 27-28/1947	2.12 27-28/1947
Aug.	Amt. Date	3.70 4/1943	4.36 4/1943	4.95 4/1943	4.98 4-5/1943	5.03 4-5/1943	5.18 4-5/1943
Sep.	Amt. Date	1.44 23/1945	1.86 1/1941	1.89 ^a 1/1941	2.00 5/1947	2.46 5/1947	2.51 5-6/1947
Oct.	Amt. Date	0.48 15/1943	0.67 15/1943	0.83 15/1943	0.96 15/1943	1.19 31/1942	1.40 20-21/1944
Nov.	Amt. Date	0.36 2/1945	0.52 3/1947	0.62 3/1947	0.88 3/1947	1.05 3/1947	1.45 28-29/1949
Dec.	Amt. Date	0.30 15/1948	0.56 29/1942	0.80 15/1948	1.46 14-15/1948	2.34 14-15/1948	3.02 14-15/1948
Annual	Amt. Date	3.70 8/4/43	4.36 8/4/43	4.95 8/4/43	4.98 8/4-5/43	5.03 8/4-5/43	5.18 8/4-5/43

File No. 50028-
a Also 13/1947

Station: MARLINTON, WEST VIRGINIA

Drainage basin: GREENBRIER

County: POCAHONTAS

Lat. 38° 13' N Long. 80° 05' W

Elev.(ft.) 2150

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.30 7/1946	0.57 7/1946	0.67 7/1946	0.90 7/1946	1.35 7/1946	1.69 30-31/1950
Feb.	Amt. Date	0.27 22/1944	0.53 22/1944	0.69 22/1944	0.95 22/1944	1.11 22/1944	1.15 22/1944
Mar.	Amt. Date	0.35 23/1948	0.48 23/1948	0.64 23/1948	0.80 17-18/1949	0.97 17-18/1949	1.02 24/1947
Apr.	Amt. Date	0.67 13/1948	1.05 13/1948	1.15 13/1948	1.60 13/1948	1.70 13-14/1948	2.25 12-13/1948
May	Amt. Date	0.84 24/1944	0.98 24/1944	1.24 26/1946	1.53 26/1946	1.62 26-27/1946	1.67 26-27/1946
Jun.	Amt. Date	1.13 29/1948	1.14 29/1948	1.26 29/1948	1.39 19/1946	1.66 29/1948	1.70 29-30/1948
Jul.	Amt. Date	1.35 27/1945	1.78 20/1945	1.79 20/1945	1.80 20/1945	1.80 20/1945	3.09 27-28/1945
Aug.	Amt. Date	1.66 14/1949	1.83 14/1949	1.85 14/1949	1.94 14/1949	1.98 14-15/1949	2.07 14-15/1949
Sep.	Amt. Date	0.75 22/1950	1.13 22/1950	1.18 22/1950	1.19 22/1950	1.47 22/1950	2.12 21-22/1950
Oct.	Amt. Date	0.61 28/1947	0.71a 28/1947	0.80 28/1947	1.28 20/1944	1.73 20/1944	1.87 20-21/1944
Nov.	Amt. Date	0.51 2/1945	0.71 2/1945	0.94 2/1945	1.09 2/1945	1.40 3/1947	1.66 3/1947
Dec.	Amt. Date	0.30 15/1948	0.45 15/1948	0.65 15/1948	1.21 15/1948	2.04 15/1948	2.49 14-15/1948
Annual	Amt. Date	1.66 8/14/49	1.83 8/14/49	1.85 8/14/49	1.94 8/14/49	2.04 12/15/48	3.09 8/27-28/45

File No. 50028- a Also 28/1949

Station: MARTINSBURG CAA AP, WEST VIRGINIA

Drainage basin: POTOMAC

County: BERKELEY

Lat. 39° 24'N Long. 77° 59'W

Elev.(ft.) 534

Period of record: 1945-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.34 1/1948	0.67 1/1948	0.89 1/1948	1.42 1/1948	1.69 1/1948	1.74 1-2/1948
Feb.	Amt. Date	0.24 28/1949	0.34 9/1950	0.49 9/1950	0.77 9/1950	0.81 9/1950	0.87 1/1950
Mar.	Amt. Date	0.38 23/1950	0.43 23/1950	0.56 23/1950	0.64 22-23/1950	1.06 22-23/1950	1.10 22-23/1950
Apr.	Amt. Date	0.47 13/1948	0.53 13/1948	0.70 25/1945	1.20 25/1945	1.35 25/1945	1.36 24-25/1945
May	Amt. Date	0.98 17/1945	1.26 17/1945	1.32 17/1945	1.35 17/1945	1.35 17/1945	1.35 17/1945
Jun.	Amt. Date	0.58 19/1948	0.75 19/1948	0.75 19/1948	1.05 2/1946	1.62 1-2/1946	1.82 1-2/1946
Jul.	Amt. Date	2.05 28/1945	2.51 28/1945	2.57 28/1945	2.81 28/1945	2.96 28/1945	3.41 28-29/1945
Aug.	Amt. Date	1.93 19/1950	2.33 19/1950	2.38 19/1950	3.19 19/1950	3.21 19-20/1950	3.33 19-20/1950
Sep.	Amt. Date	1.33 9/1948	1.33 9/1948	1.38 11-12/1950	1.61 17-18/1945	2.45 17-18/1945	4.15 17-18/1945
Oct.	Amt. Date	0.35 12/1946	0.49 12/1946	0.51 12/1946	0.79 28/1949	1.22 5/1948	1.98 5-6/1948
Nov.	Amt. Date	0.68 25/1950	1.20 25/1950	1.50 25/1950	2.15 25/1950	2.53 24-25/1950	2.56 24-25/1950
Dec.	Amt. Date	0.31a 21/1946	0.51 4/1950	0.77 4/1950	1.41 4/1950	1.80 4/1950	2.00 3-4/1950
Annual	Amt. Date	2.05 7/28/45	2.51 7/28/45	2.57 7/28/45	3.19 8/19/50	3.21 8/19-20/50	4.15 9/17-18/45

File No. 50028- a Also 3/1950

Station: MATHIAS, WEST VIRGINIA

Drainage basin: LOST RIVER

County: HARDY

Lat. 38° 52'N Long. 78° 52'W

Elev.(ft.) 1625

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.25 18/1943	0.34a 14/1940	0.53 3/1944	0.96 3/1944	1.25 3/1944	1.56 2-3/1944
Feb.	Amt. Date	0.30 20/1949	0.41 20/1949	0.49 28/1945	0.83 20/1947	1.13 20/1947	1.24 20/1947
Mar.	Amt. Date	0.28 31/1948	0.40 2/1942	0.55 2/1942	0.85 2/1942	1.57 2-3/1942	1.90 2-3/1942
Apr.	Amt. Date	0.34 28/1948	0.56 13/1949	0.62 20/1943	0.85 4-5/1941	1.36 19/1943	1.76 18-19/1943
May	Amt. Date	0.82 27/1944	1.33 27/1944	1.33 27/1944	1.34 27/1944	1.68 15-16/1942	2.20 15-16/1942
Jun.	Amt. Date	1.90 28/1949	3.10 28/1949	3.25 28/1949	3.48 28/1949	3.50 28/1949	4.15 27-28/1949
Jul.	Amt. Date	1.26 11/1941	1.56 11/1941	1.57 11/1941	1.57 11/1941	1.57 11/1941	1.87 8-9/1946
Aug.	Amt. Date	1.88 3/1949	2.24 3/1949	2.58 3/1949	2.61 3/1949	2.61 3/1949	2.61 3/1949
Sep.	Amt. Date	0.71 13/1950	1.04 12-13/1950	1.23 12-13/1950	1.39 12-13/1950	1.70 17/1945	3.02 17-18/1945
Oct.	Amt. Date	0.63 25/1946	1.22 25/1946	1.53 25/1946	1.80 15/1942	2.24 14-15/1942	3.96 14-15/1942
Nov.	Amt. Date	0.35 26/1940	0.58b 3/1947	0.85 3/1947	1.61 3/1947	2.10 3/1947	2.75 3/1947
Dec.	Amt. Date	0.55 7/1950	0.97 7/1950	1.22 7/1950	1.46 7/1950	1.55 7/1950	1.59 7/1950
Annual	Amt. Date	1.90 6/28/49	3.10 6/28/49	3.25 6/28/49	3.48 6/28/49	3.50 6/28/49	4.15 6/27-28/49

File No. 50028-

a Also 3/1944

b Also 25/1950

Station: MOOREFIELD, WEST VIRGINIA

Drainage basin: POTOMAC - SOUTH BRANCH

County: HARDY

Lat. 39° 04' N Long. 78° 58' W

Elev.(ft.) 800

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.51 29/1943	0.52 29/1943	0.56 1/1948	0.97 1/1948	1.10 1/1948	1.48 26-27/1943
Feb.	Amt. Date	0.30 28/1945	0.51 28/1945	0.52 28/1945	0.72 28/1945	1.01 20/1947	1.10 20/1947
Mar.	Amt. Date	0.52 29/1945	0.59 30/1945	0.60 30/1945	0.74 30/1946	1.13 28/1942	1.39 2-3/1942
Apr.	Amt. Date	0.43 24/1944	0.50 27/1948	0.54 24/1944	0.74 4-5/1941	0.95 4-5/1941	1.57 13/1948
May	Amt. Date	0.80 22/1949	1.19 22/1949	1.38 22/1949	1.40 22/1949	1.50 22/1949	1.98 21-22/1949
Jun.	Amt. Date	0.83 17/1949	1.13 17/1949	1.38 17/1949	1.58 17/1949	1.81 17/1949	2.10 17-18/1949
Jul.	Amt. Date	1.54 11/1943	1.97 11/1943	2.11 11/1943	2.11 11/1943	2.11 11/1943	2.43 11-12/1943
Aug.	Amt. Date	1.20 25/1950	1.66 12/1941	1.69 12/1941	1.70 12/1941	1.80 12/1941	1.90 14-15/1949
Sep.	Amt. Date	0.79 5/1947	0.89 5/1947	1.04 25/1940	1.22 25/1940	1.59 17/1945	2.61 17-18/1945
Oct.	Amt. Date	0.55 25/1946	1.05 25/1946	1.39 25/1946	1.60 25-26/1946	2.10 18/1942	3.48 14-15/1942
Nov.	Amt. Date	0.35 3/1947	0.60 3/1947	0.85 3/1947	1.29 3/1947	1.67 3-4/1947	2.00 3-4/1947
Dec.	Amt. Date	0.31 26/1940	0.44 26/1940	0.61 11/1944	0.90 11/1944	1.33 11/1944	1.40 11/1944
Annual	Amt. Date	1.54 7/11/43	1.97 7/11/43	2.11 7/11/43	2.11 7/11/43	2.11 7/11/43	3.48 10/14-15/42

File No. 50028-

Station: NAOMA, WEST VIRGINIA

Drainage basin: GOAL

County: RALEIGH

Lat. 37° 52' N Long. 81° 30' W

Elev.(ft.) 1125

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.44 1/1942	0.55 1/1942	0.64 1/1942	0.94 3/1944	1.15 2-3/1944	1.39 30-31/1950
Feb.	Amt. Date	0.33 9/1950	0.49 9/1950	0.60 9/1950	0.94 17/1945	1.15 17/1945	1.18 1-2/1950
Mar.	Amt. Date	0.40 6/1945	0.57 19/1943	0.77 19/1943	0.97 18-19/1943	1.16 13/1943	1.87 19/1943
Apr.	Amt. Date	0.75 11/1944	1.12 11/1944	1.25 11/1944	1.28 11/1944	1.28 11/1944	2.18 11-12/1944
May	Amt. Date	0.54 10/1949	0.80 16/1949	0.80 16/1949	1.01 16/1949	1.16 27-28/1943	1.17 27-28/1943
Jun.	Amt. Date	1.50 22/1943	1.51 22/1943	1.51 22/1943	2.00 22/1943	2.06 22/1943	2.08 16-17/1949
Jul.	Amt. Date	1.65 2/1941	1.79 2/1941	1.84 2/1941	1.96 28/1945	2.86 2/1941	2.87 2/1941
Aug.	Amt. Date	1.10 6/1946	1.39 1-2/1945	1.46 1-2/1945	1.95 5/1942	2.33 5/1942	2.88 4-5/1942
Sep.	Amt. Date	1.15 3/1941	1.18 3/1941	1.18a 3/1941	1.49 21/1950	1.94 21/1950	2.83 17-18/1945
Oct.	Amt. Date	0.39 25/1946	0.56 28/1949	0.74 20/1944	1.20 20/1944	1.65 20/1944	1.86 20-21/1944
Nov.	Amt. Date	0.86 2/1950	0.92 2/1950	0.93 2/1950	0.98 2/1950	1.05 2/1950	1.47 29/1948
Dec.	Amt. Date	0.56 15/1944	0.64 7/1950	0.96 7/1950	1.05 7/1950	1.35 1/1942	1.61 29-30/1942
Annual	Amt. Date	1.65 7/2/41	1.79 7/2/41	1.84 7/2/41	2.00 6/22/43	2.86 7/2/41	2.88 8/4-5/42

File No. 50028- a Also 2/1950

Station: OAK HILL, WEST VIRGINIA

Drainage basin: NEW

County: FAYETTE

Lat. 37° 58'N Long. 81° 09'W

Elev.(ft.) 1992

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.29 28/1943	0.35 28/1943	0.45 15/1947	0.73 15/1944	0.99 15/1944	1.34 26-27/1943
Feb.	Amt. Date	0.41 14/1948	0.58 28/1945	0.67 28/1945	0.75 28/1945	0.91a 28-29/1944	1.14 1-2/1950
Mar.	Amt. Date	0.52 17/1942	0.64 17/1942	0.69 17/1942	1.08 13/1943	1.34 12-13/1943	1.35 12-13/1943
Apr.	Amt. Date	0.54 12/1944	0.74 11/1944	0.99 11/1944	1.04 11/1944	1.04 11/1944	2.06 11-12/1944
May	Amt. Date	0.66 19/1942	0.92 21/1949	1.00 19/1942	1.33 19/1942	1.34 19-20/1942	1.36 19-20/1942
Jun.	Amt. Date	1.05b 7/1942	1.86 7/1942	2.10 7/1942	2.25 7/1942	2.87 16-17/1949	2.91 16-17/1949
Jul.	Amt. Date	1.63 4/1945	1.87 4/1945	2.25 4/1945	2.28 4/1945	2.28 4/1945	2.96 27-28/1945
Aug.	Amt. Date	1.70 3/1949	2.28 20/1942	2.34 20/1942	2.39 20/1942	2.83 5/1942	3.13 4-5/1942
Sep.	Amt. Date	1.81 2/1950	2.26 2/1950	2.68 2/1950	2.90 2/1950	3.06 1-2/1950	3.80 1-2/1950
Oct.	Amt. Date	0.44 25/1942	0.75 20/1944	0.94 20/1944	1.33 20/1944	1.76E 20/1944	2.01 20-21/1944
Nov.	Amt. Date	0.52 2/1950	0.58 2/1950	0.58 2/1950	0.81 2/1950	1.22 2/1945	1.45 2-3/1945
Dec.	Amt. Date	0.33 7/1950	0.59 16/1948	0.79 7/1950	1.39 16/1948	2.36 16/1948	2.46 15-16/1948
Annual	Amt. Date	1.81 9/2/50	2.28 8/20/42	2.68 9/2/50	2.90 9/2/50	3.06 9/1-2/50	3.80 9/1-2/50

File No. 50028- a Also 28/1945
 b Also 17/1950

Station: PARKERSBURG WB CITY, WEST VIRGINIA

Drainage basin: OHIO

County: WOOD

Lat. ~~39° 21' N~~ Long. ~~81° 26' W~~

Elev. (ft.) ~~837~~

39 16

81 31

685

Period of record: 1940-1950*

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.41 7/1946	0.69 7/1946	0.84 7/1946	0.94a 7/1946	1.39 31-1/1945	1.78 31-1/1945
Feb.	Amt. Date	0.48 26/1945	0.74 26/1945	0.90 26/1945	1.17 26/1945	2.01 26/1945	2.89 26-27/1945
Mar.	Amt. Date	0.41b 30/1940	0.75 26/1946	0.94 26/1946	1.42 26/1946	1.70 26/1946	1.88 5-6/1945
Apr.	Amt. Date	0.44 12/1948	0.82 12/1948	1.17 12/1948	1.77 12/1948	2.37 11-12/1948	3.00 11-12/1948
May	Amt. Date	1.21 20/1943	1.21 20/1943	1.21 20/1943	1.27 16-17/1941	1.57 16-17/1945	1.99 16-17/1945
Jun.	Amt. Date	1.57 16/1950	2.36 16/1950	2.42 16/1950	2.44 16/1950	2.44 16/1950	2.79 13-14/1946
Jul.	Amt. Date	1.95 27/1947	2.16 27/1947	2.45 27/1947	4.55 27-28/1947	4.80 27-28/1947	4.81 27-28/1947
Aug.	Amt. Date	1.35 14/1947	2.03 14/1947	2.23 14/1947	2.33 14/1947	2.33 14/1947	2.93 14-15/1947
Sep.	Amt. Date	0.93 25/1945	1.16 23/1945	1.97 23/1945	2.90 23/1945	2.95 23/1945	2.96 23/1945
Oct.	Amt. Date	0.53 29/1940	0.58c 29-30/1940	0.61 29-30/1940	0.91 31/1942	1.16 31/1942	1.18 31/1942
Nov.	Amt. Date	0.42 3/1947	0.52 3/1947	0.69 3/1947	0.92 3/1947	1.11 1/1940	1.24 1/1940
Dec.	Amt. Date	0.41 15/1948	0.74 15/1948	0.97 15/1948	1.72 15/1948	2.19 15/1948	2.69 14-15/1948
Annual	Amt. Date	1.95 7/27/47	2.36 6/16/50	2.45 7/27/47	4.55 7/27-28/47	4.80 7/27-28/47	4.81 7/27-28/47

File No. 50028- a Also 15/1947 b Also 26/1946 c Also 2/1945
February 1-, 2-hr; July 1-, 2-, 3-hr; and December 1-, 2-hr are true maxima.

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

Station: PARKERSBURG WB CITY, WEST VIRGINIA

Drainage basin: OHIO

County: WOOD

Lat. ~~39° 21' N~~ Long. ~~81° 26' W~~

Elev.(ft.) ~~827~~

39 16

81 31

685

Period of record: 1900-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.64 8/1907	0.75 8/1907	0.90 11/1913	1.51 11/1913	2.36 11/1913	2.97 11-12/1913
Feb.	Amt. Date	0.48 26/1945	0.74 ^a 23/1909	0.94 23/1909	1.68 23/1909	2.29 23-24/1909	2.89 26-27/1945
Mar.	Amt. Date	1.07 7/1903	1.24 7/1903	1.25 7/1903	1.69 7/1903	2.00 7-8/1903	2.41 13/1918
Apr.	Amt. Date	1.06 21/1916	1.21 21/1916	1.24 21/1916	2.04 20/1920	2.87 20/1920	3.40 20-21/1920
May	Amt. Date	1.27 23/1921	1.54 23/1921	1.68 23/1921	2.32 11/1905	2.81 11-12/1905	3.00 11-12/1905
Jun.	Amt. Date	1.76 13/1901	2.36 16/1950	2.42 16/1950	2.63 18/1921	2.96 16-17/1912	3.23 16-17/1912
Jul.	Amt. Date	1.95 27/1947	2.16 27/1947	2.48 31-1/1935	4.55 27-28/1947	4.80 27-28/1947	4.81 27-28/1947
Aug.	Amt. Date	2.12 19/1903	2.59 25/1922	2.86 1/1935	4.17 31-1/1935	4.32 31-1/1935	4.61 31-1/1935
Sep.	Amt. Date	1.73 3/1922	2.38 3/1922	2.62 3/1922	2.90 23/1945	2.95 23/1945	3.00 2-3/1935
Oct.	Amt. Date	0.86 16/1925	1.31 16/1925	1.50 16/1925	1.94 16/1925	2.26 1/1905	2.42 30-1/1915
Nov.	Amt. Date	0.59 19/1900	0.98 19/1900	1.34 19/1900	1.99 19/1900	2.31 19/1900	3.22 19-20/1900
Dec.	Amt. Date	0.74 31/1923	0.99 31/1923	1.12 31/1923	1.72 15/1948	2.19 15/1948	2.69 14-15/1948
Annual	Amt. Date	2.12 8/19/03	2.59 8/25/22	2.86 8/1/35	4.55 7/27-28/47	4.80 7/27-28/47	4.81 7/27-28/47

File No. 50028- January 1-, 2-hr; February 1-hr; March 24-hr; April 1-hr; May 1-, 2-hr; July 1-, 2-hr; August 24-hr; September 1-, 24-hr; and October 1-, 2-hr are true maxima.

a Also 26/1945, and is a true maxima

Station: SMITHBURG, WEST VIRGINIA

Drainage basin: OHIO

County: DODDRIDGE

Lat. 39° 17' N Long. 80° 43' W

Elev.(ft.) 850

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.57 18/1943	0.66 18/1943	0.73 1/1948	1.29 1/1948	1.58 1/1948	1.88 1-2/1948
Feb.	Amt. Date	0.36 9/1950	0.67 22/1944	0.80 22/1944	1.18 8-9/1950	1.60 26/1945	2.55 26-27/1945
Mar.	Amt. Date	0.35 14/1946	0.56 14/1946	0.74 14/1946	0.91 14/1946	1.46 30/1940	1.63a 30/1940
Apr.	Amt. Date	0.46 17/1945	0.72 12/1948	0.94 12/1948	1.41 12/1948	1.67E 11-12/1948	2.11E 11-12/1948
May	Amt. Date	0.75 2/1948	1.02 12/1948	1.05 12/1948	1.39 21/1949	1.49 30/1940	2.15 30/1940
Jun.	Amt. Date	1.70 24/1950	3.13 24/1950	3.89 24/1950	5.40 24-25/1950	5.40 24-25/1950	5.40 24-25/1950
Jul.	Amt. Date	1.95 27/1947	3.20 27/1947	3.68 27/1947	4.29 27-28/1947	4.68 27-28/1947	4.68 27-28/1947
Aug.	Amt. Date	1.18 6/1940	1.91 15/1941	2.09 15/1941	2.12 15/1941	2.36 15/1941	2.36 15/1941
Sep.	Amt. Date	1.43 10/1941	1.51 10/1941	1.82 1/1945	3.12 1/1945	3.19 1-2/1945	3.20 1-2/1945
Oct.	Amt. Date	0.53 30/1940	0.82 30/1940	1.08 30/1940	1.49 29-30/1940	1.95 29-30/1940	1.96 29-30/1940
Nov.	Amt. Date	0.66 2/1945	0.79 29/1949	0.80 29/1949	0.90 28-29/1949	1.54 28-29/1949	2.02 3-4/1950
Dec.	Amt. Date	0.38 29/1942	0.56b 29/1942	0.79 7/1950	1.01 29/1942	1.34 15/1948	1.85 29-30/1942
Annual	Amt. Date	1.95 7/27/47	3.20 7/27/47	3.89 6/24/50	5.40 6/24-25/50	5.40 6/24-25/50	5.40 6/24-25/50

File No. 50028-

a Also 5-6/1945

b Also 7/1950

Station: SPRINGFIELD, WEST VIRGINIA

Drainage basin: POTOMAC - SOUTH BRANCH

County: HAMPSHIRE

Lat. 39° 26' N Long. 78° 43' W

Elev.(ft.) 700

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.40 1/1948	0.65 1/1948	0.89 1/1948	1.47 1/1948	1.73 1/1948	1.79 1-2/1948
Feb.	Amt. Date	0.37 9/1950	0.61 9/1950	0.75 9/1950	0.87 9/1950	1.08 20/1947	1.13 20/1947
Mar.	Amt. Date	0.57 3/1942	0.63 3/1942	0.68 3/1942	0.81 12/1944	1.09 12/1944	1.47 28-29/1942
Apr.	Amt. Date	0.78 19/1941	0.78 19/1941	0.78 19/1941	0.80 19/1941	1.05 4-5/1941	1.29 18-19/1943
May	Amt. Date	0.59 28/1950	1.09 28/1950	1.40 28/1950	1.70 28/1950	1.73 28/1950	1.75 27-28/1950
Jun.	Amt. Date	1.62 28/1949	2.03 28/1949	2.31 28/1949	2.45 28/1949	2.52 28/1949	2.59 27-28/1949
Jul.	Amt. Date	1.08 18/1945	1.34 7/1947	1.52 22/1945	1.71 7/1947	1.79 12/1949	2.07 6-7/1947
Aug.	Amt. Date	1.15 13/1942	1.16 13/1942	1.17 13/1942	1.60 17-18/1949	2.00 1-2/1946	2.39 23-24/1945
Sep.	Amt. Date	1.04 29/1946	1.21 25/1940	1.48 25/1940	1.83E 25/1940	2.57 24-25/1940	2.82 24-25/1940
Oct.	Amt. Date	0.58 25/1946	0.89 25/1946	1.10 25/1946	1.39 25-26/1946	1.79 15/1942	3.27 14-15/1942
Nov.	Amt. Date	0.41 10/1948	0.62 10/1948	0.93 10/1948	1.09 10/1948	1.26 3/1947	1.39 3-4/1947
Dec.	Amt. Date	0.41 26/1940	0.64 26/1940	0.76 26/1940	0.94 25-26/1940	1.22 11/1944	1.33 29-30/1942
Annual	Amt. Date	1.62 6/28/49	2.03 6/28/49	2.31 6/28/49	2.45 6/28/49	2.57 9/24-25/40	3.27 10/14-15/42

File No. 50028-

Station: SUTTON, WEST VIRGINIA

Drainage basin: ELK

County: BRAXTON

Lat. 38° 39' N Long. 80° 40' W

Elev.(ft.) 1350

Period of record: 1945-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.31 29/1950	0.50 29/1950	0.50 29/1950	0.81 31/1950	1.11 30-31/1950	1.50 30-31/1950
Feb.	Amt. Date	0.51 13/1946	0.90 13/1946	0.91 13/1946	0.91 31/1946	0.91 13/1946	1.43 31-1/1950
Mar.	Amt. Date	0.39 14/1946	0.52 14/1946	0.58 14/1946	0.69 14/1946	0.93 14-15/1946	1.10 11-12/1950
Apr.	Amt. Date	0.37 23/1946	0.38 23/1946	0.39 23/1946	0.52 25/1946	0.63 25/1946	0.64 24-25/1946
May	Amt. Date	0.53 16/1947	0.66 25/1947	0.87 25/1947	0.94 25/1947	1.10 22/1949	1.50 25/1947
Jun.	Amt. Date	1.43 6/1948	2.07 6/1948	2.27 6/1948	2.32 6/1948	2.51 6-7/1948	3.29 6-7/1948
Jul.	Amt. Date	1.67 13/1950	2.13 13/1950	2.25 13/1950	2.52 13/1950	2.90 13/1950	3.00 13/1950
Aug.	Amt. Date	1.30 23/1945	2.46 23/1945	2.86 23/1945	4.14 23/1945	4.30 23-24/1945	4.58 23-24/1945
Sep.	Amt. Date	0.66 22/1950	1.06 2/1950	1.48 2/1950	1.96 2/1950	2.24 1-2/1950	2.72 1-2/1950
Oct.	Amt. Date	0.38 25/1946	0.68 14/1949	0.75 14/1949	1.09 25/1946	1.38 14-15/1949	1.65 14-15/1949
Nov.	Amt. Date	0.26 26/1946	0.42 28/1949	0.60 28/1949	0.71 28/1949	0.94 3/1947	1.25 2-3/1945
Dec.	Amt. Date	0.22 29/1946	0.37 29/1946	0.44a 29/1946	0.58 26/1949	0.71 26/1949	0.89 31-1/1946
Annual	Amt. Date	1.67 7/13/50	2.46 8/23/45	2.86 8/23/45	4.14 8/23/45	4.30 8/23-24/45	4.58 8/23-24/45

File No. 50028- a Also 26/1949

Station: SUMMERSVILLE, WEST VIRGINIA

Drainage basin: GAULEY

County: NICHOLAS

Lat. 38° 17' N Long. 80° 51' W

Elev.(ft.) 1850

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.34a 19/1942	0.52 31/1950	0.71 31/1950	1.24 31/1950	1.51 7/1946	1.79 30-31/1950
Feb.	Amt. Date	0.28 4/1948	0.38 28/1945	0.56 28/1945	0.81 17/1945	1.02 17/1945	1.60 31-1/1950
Mar.	Amt. Date	0.58 23/1948	0.85 23/1948	0.98 23/1948	1.32 23/1948	1.52 23-24/1948	1.60 23/1948
Apr.	Amt. Date	0.52 17/1945	0.73 17/1945	0.87 11/1944	1.13 17/1945	1.16 17/1945	1.84 12-13/1948
May	Amt. Date	0.75 22/1949	1.26 25/1943	1.47 25/1943	1.70 25/1943	1.72 25/1943	1.80 21-22/1949
Jun.	Amt. Date	1.04b 27/1940	1.77 21/1946	2.00 21/1946	2.23 27/1940	3.65 27/1940	3.98 26-27/1940
Jul.	Amt. Date	1.12 26/1945	1.59 31/1947	2.30 31/1947	2.46 31/1947	2.46 31/1947	2.46 31/1947
Aug.	Amt. Date	1.19 4/1947	1.80 4/1947	1.80 4/1947	2.48 26/1940	2.49 26/1940	2.57 1-2/1950
Sep.	Amt. Date	1.24 10/1941	1.47 7/1941	1.53 7-8/1941	1.66 10/1941	2.04 7/1941	2.64 1-2/1950
Oct.	Amt. Date	0.59 4/1941	0.69 4/1941	0.82 20/1944	1.12 20/1944	1.56 20/1944	1.78 20-21/1944
Nov.	Amt. Date	0.35 3/1947	0.60 3/1947	0.76 1/1949	1.02 1/1949	1.31 24-25/1950	1.86 24-25/1950
Dec.	Amt. Date	0.30 28/1942	0.50 28/1942	0.69 28/1942	1.18 15/1948	2.06 15/1948	2.31 15/1948
Annual	Amt. Date	1.24 9/10/41	1.80 8/4/47	2.30 7/31/47	2.48 8/26/40	3.65 6/27/40	3.98 6/26-27/40

File No. 50028-

a Also 31/1950
b Also 21/1946

Station: TERRA ALTA, WEST VIRGINIA

Drainage basin: CHEAT

County: PRESTON

Lat. 39° 27'N Long. 79° 32'W

Elev.(ft.) 2620

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.45 29/1950	0.67 29/1950	0.82 29/1950	1.45 1/1948	1.73 1/1948	2.60 1-2/1948
Feb.	Amt. Date	0.44 22/1949	0.56 22/1949	0.75 8-9/1950	1.20 6/1945	1.84 26-27/1945	3.03 26-27/1945
Mar.	Amt. Date	0.65 19/1948	0.70 19/1948	0.86 19/1948	0.91 19/1948	1.25 6/1945	1.95 6/1945
Apr.	Amt. Date	0.54 3/1940	0.78a 17/1945	1.13 12/1948	1.93 12/1948	2.45 12-13/1948	3.00 12-13/1948
May	Amt. Date	0.80 14/1948	1.00 14/1948	1.44 7/1942	2.04 6-7/1942	2.69 6-7/1942	2.70 6-7/1942
Jun.	Amt. Date	0.77 10/1950	0.91 10/1950	0.92 10/1950	1.30 10/1950	2.01 30-1/1940	2.55 3-4/1941
Jul.	Amt. Date	1.90 26/1945	1.93b 26/1945	2.03 3/1948	2.26 3-4/1948	3.30 12/1949	3.43 12/1949
Aug.	Amt. Date	0.98 12/1949	1.18 4/1943	1.25 4/1943	1.64 4/1943	2.01 23-24/1945	3.07 23-24/1945
Sep.	Amt. Date	1.57 23/1945	1.68 23/1945	1.74 23/1945	1.90 1-2/1945	2.39 1-2/1945	2.55 24-25/1940
Oct.	Amt. Date	0.36 7/1940	0.58 25/1946	0.88 25/1946	1.20 20/1944	1.69 20/1944	2.02 20-21/1944
Nov.	Amt. Date	0.52 2/1945	0.56 2/1945	0.72 28-29/1949	1.01 28-29/1949	1.43 28-29/1949	1.51 24-25/1950
Dec.	Amt. Date	0.35 15/1948	0.65 15/1948	0.84 15/1948	1.57 15/1948	2.15 15/1948	2.88 15-16/1948
Annual	Amt. Date	1.90 7/26/45	1.93b 7/26/45	2.03 7/3/48	2.26 7/3-4/48	3.30 7/12/49	3.43 7/12/49

File No. 50028- a Also 12/1948

b Also 7/3/1948

Station: TRIBBLE, WEST VIRGINIA

Drainage basin: KANAWHA

County: MASON

Lat. 38° 41'N Long. 81° 50'W

Elev.(ft.) 630

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.36 15/1947	0.56 15/1947	0.65 15/1947	1.08 7/1946	1.51 7/1946	1.63 7-8/1946
Feb.	Amt. Date	0.55 22/1944	0.85 22/1944	1.14 22/1944	1.28 22/1944	1.70 22/1944	2.14 26-27/1945
Mar.	Amt. Date	0.45 19/1943	0.89 19/1943	1.12 19/1943	1.51 19/1943	1.76 18-19/1943	2.35 18-19/1943
Apr.	Amt. Date	0.62 12/1948	1.22 12/1948	1.51 12/1948	2.14 12/1948	2.73 12/1948	3.49 12/13/1948
May	Amt. Date	0.73 21/1949	0.80 21/1949	0.98 22/1949	1.21 21/1949	1.45 16-17/1945	2.43 21-22/1949
Jun.	Amt. Date	1.22 15/1948	1.73 15/1948	1.80 15-16/1948	1.85 15/1948	2.53 1-2/1946	3.02 1-2/1946
Jul.	Amt. Date	1.26 31/1946	1.86 26/1943	2.26 26/1943	2.40 26/1943	2.40 26/1943	2.40 26/1943
Aug.	Amt. Date	1.26 30/1948	1.87 30/1948	2.02 30/1948	2.30 3/1947	2.30 3/1947	2.48 3-4/1947
Sep.	Amt. Date	1.18 5/1947	1.81 5/1947	1.85 5/1947	2.08 5/1947	2.19 5-6/1947	2.42 21-22/1950
Oct.	Amt. Date	0.70 15/1943	0.76 15/1943	0.79 15/1943	1.14 30/1949	1.65 30/1949	1.65 30/1949
Nov.	Amt. Date	0.98 1/1943	1.05 1/1943	1.16 22/1942	1.75 22/1942	1.77 22/1942	1.86 22-23/1942
Dec.	Amt. Date	0.35 7/1950	0.62 30/1942	0.78 7/1950	1.26 15/1948	2.01 14-15/1948	2.50 29-30/1942
Annual	Amt. Date	1.26a 7/31/46	1.87 8/30/48	2.26 7/26/43	2.40 7/26/43	2.73 4/12/48	3.49 4/12-13/48

File No. 50028- a Also 8/30/1948

Station: TYGART DAM, WEST VIRGINIA

Drainage basin: TYGART

County: TAYLOR

Lat. 39° 19'N Long. 80° 02'W

Elev.(ft.) 1200

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.38 18/1943	0.50 29/1950	0.62 29/1950	0.83 31/1950	1.18 30-31/1950	1.37 30-31/1950
Feb.	Amt. Date	0.42 26/1944	0.63 9/1950	0.93 8-9/1950	1.13 8-9/1950	1.36 26/1945	2.33 26-27/1945
Mar.	Amt. Date	0.43 20/1948	0.50a 30/1940	0.70 30/1940	0.85 30/1940	1.25 30/1940	1.53 30/1940
Apr.	Amt. Date	0.48 12/1948	0.85 12/1948	0.99 12/1948	1.58 12/1948	2.17 12/1948	2.64 12/1948
May	Amt. Date	0.60b 23/1940	0.85 19/1940	0.89 19/1940	1.29 19-20/1940	1.59 6-7/1942	1.85 21-22/1949
Jun.	Amt. Date	0.93 29/1948	1.33 13/1946	1.58 24/1950	1.80 24-25/1950	2.01 24-25/1950	2.13 24-25/1950
Jul.	Amt. Date	0.80 24/1940	0.96 13/1949	1.22 22/1948	1.27 30-1/1940	1.63 12/1949	1.64 12/1949
Aug.	Amt. Date	1.50 26/1941	1.59 26/1941	1.65 16/1943	2.13E 24/1945	3.58 23-24/1945	5.07 23-24/1945
Sep.	Amt. Date	0.82 15/1947	1.08 8/1945	1.31 15/1947	1.39 1/1945	1.95 1-2/1945	1.98 1-2/1945
Oct.	Amt. Date	0.52 2/1941	0.94 7/1944	1.23 20/1944	1.85 20/1944	2.55 20/1944	2.83 20-21/1944
Nov.	Amt. Date	0.29 26/1940	0.49 26/1940	0.60 26/1940	0.96 4/1950	1.58 24-25/1950	2.18 24-25/1950
Dec.	Amt. Date	0.28 25/1944	0.41c 16/1948	0.54 28/1942	0.77 15/1948	1.57 15/1948	2.09 15/1948
Annual	Amt. Date	1.50 8/26/41	1.59 8/26/41	1.65 8/16/43	2.13E 8/24/45	3.58 8/23-24/45	5.07 8/23-24/45

File No. 50028- a Also 19/1945 and 20/1948

b Also 22/1949

c Also 26/1949

Station: UNION, WEST VIRGINIA

Drainage basin: GREENBRIER

County: MONROE

Lat. 37° 36'N Long. 80° 32'W

Elev.(ft) 1975

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.41 18/1943	0.52 18/1943	0.52 18/1943	0.73 1/1947	1.05 26/1943	1.64 31-1/1947
Feb.	Amt. Date	0.30 1/1950	0.44 17/1945	0.56 17/1945	0.84 17/1945	1.18 17/1944	1.24 1-2/1950
Mar.	Amt. Date	0.38 23/1948	0.57 23/1948	0.73 23/1948	1.30 23-24/1948	1.41 23-24/1948	1.83 23-24/1948
Apr.	Amt. Date	0.44 6/1948	0.69 6/1948	0.82 6/1948	0.98 6/1948	0.99 6-7/1948	1.14 6-7/1948
May	Amt. Date	1.19 24/1940	1.58 24/1940	1.84 24/1940	1.91 24/1940	1.99 24-25/1940	2.41 23-24/1940
Jun.	Amt. Date	1.01 2/1942	1.12 8/1943	1.14 8/1943	1.42 8/1943	1.62 8-9/1943	1.88 1-2/1942
Jul.	Amt. Date	0.98 26/1950	1.34 26/1950	1.44 26/1950	1.85 26/1950	2.00 26/1950	2.09 25-26/1950
Aug.	Amt. Date	1.42 19/1950	1.75 19/1950	1.78 19/1950	1.80 19/1950	1.88 14/1940	2.74 22-23/1947
Sep.	Amt. Date	0.93 2/1950	1.43 2/1950	1.49 2/1950	1.50 2/1950	1.50 2/1950	1.90 26-27/1942
Oct.	Amt. Date	0.30a 20/1944	0.60 20/1944	0.80 20/1944	1.35 20/1944	1.78 20/1944	1.93 20-21/1944
Nov.	Amt. Date	0.54 1/1941	0.55 1/1941	0.74 1/1949	1.21 1/1949	1.40 24-25/1950	1.68 28-29/1948
Dec.	Amt. Date	0.32 24/1941	0.51 15/1948	0.70 15/1948	1.10 15/1948	2.16 15/1948	2.24 14-15/1948
Annual	Amt. Date	1.42 8/19/50	1.75 8/19/50	1.84 5/24/40	1.91 5/24/40	2.16 12/15/48	2.74 8/22-23/47

File No. 50028- a Also 8/1847

Station: VALLEY HEAD, WEST VIRGINIA

Drainage basin: TYGART

County: RANDOLPH

Lat. 38° 33'N Long. 80° 02'W

Elev.(ft.) 2425

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.42 18/1943	0.49 31/1950	0.70 31/1950	0.95 31/1950	1.32 26/1943	1.80 26-27/1943
Feb.	Amt. Date	0.46 22/1944	0.78 22/1944	1.05 22/1944	1.65 22/1944	2.05 22/1944	2.07 22/1944
Mar.	Amt. Date	0.60 19/1948	0.68 30/1946	0.76 30/1946	0.99 30/1946	1.27 30/1946	1.30 30/1946
Apr.	Amt. Date	0.67 13/1948	0.76 13/1948	0.77 13/1948	0.94 17/1945	1.35 13/1948	2.17 12-13/1948
May	Amt. Date	0.80 26/1946	0.95 26/1946	1.01 26/1946	1.15 24/1950	1.60 15-16/1942	2.15 16-17/1941
Jun.	Amt. Date	1.40 8/1940	1.59 23/1944	1.60 23/1944	1.80 23/1944	1.84 23/1944	2.39 22-23/1944
Jul.	Amt. Date	2.00 30/1946	3.78 30/1946	4.64 30/1946	4.95 30/1946	4.95 30/1946	4.95 30/1946
Aug.	Amt. Date	1.54 19/1947	1.80 7/1942	2.02 3/1942	2.05 3/1942	2.11 3/1942	3.35 7-8/1942
Sep.	Amt. Date	1.11 9/1945	1.27 9/1945	1.27 9/1945	1.33 5-6/1947	1.65 1-2/1950	2.18 1-2/1950
Oct.	Amt. Date	0.34a 1/1941	0.62 25/1946	0.84 25/1946	1.29 25/1946	1.69 20/1944	1.92 20-21/1944
Nov.	Amt. Date	0.42 2/1950	0.53 2/1950	0.65 4/1950	0.92 4/1950	1.05 4/1950	1.38 24-25/1950
Dec.	Amt. Date	0.38 7/1950	0.58 7/1950	0.77 7/1950	1.05 11/1944	1.45 11/1944	1.97 11-12/1944
Annual	Amt. Date	2.00 7/30/46	3.78 7/30/46	4.64 7/30/46	4.95 7/30/46	4.95 7/30/46	4.95 7/30/46

File No. 50028- a Also 25/1946

Station: WEBSTER SPRINGS, WEST VIRGINIA

Drainage basin: ELK

County: WEBSTER

Lat. 38° 29'N Long. 80° 25'W

Elev.(ft.) 1560

Period of record: 1943-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.36 18/1943	0.41 18/1943	0.49 3/1944	0.70 30/1947	1.03 26/1943	1.46 26-27/1943
Feb.	Amt. Date	0.33 22/1944	0.59 28/1945	0.84 28/1945	1.16 28/1945	1.28 22/1944	1.37 26-27/1945
Mar.	Amt. Date	0.50 6/1943	0.58 6/1943	0.62 6/1943	0.82 5-6/1943	1.09 12-13/1943	1.30 2-3/1945
Apr.	Amt. Date	0.42 13/1948	0.73 13/1948	0.84 13/1948	1.01 13/1948	1.31 12-13/1948	1.67 11-12/1944
May	Amt. Date	0.63 19/1947	0.97 27/1944	0.97 27/1944	1.28 19/1947	1.30 19/1947	1.47 19-20/1947
Jun.	Amt. Date	0.70 7/1948	1.30 18/1944	1.30 18/1944	1.30 18/1944	1.52 7/1948	1.69 7/1948
Jul.	Amt. Date	1.25 13/1949	2.27 13/1949	3.20 13/1949	4.90 13/1949	5.58 12-13/1949	5.77 12-13/1949
Aug.	Amt. Date	1.60 10/1947	1.98 15/1949	2.11 15/1949	2.14 15/1949	2.14 15/1949	3.27 9-10/1947
Sep.	Amt. Date	0.77 1/1950	0.94 5/1947	1.28 5/1947	1.72 5-6/1947	1.97 1-2/1950	2.66 1-2/1950
Oct.	Amt. Date	0.45 25/1946	0.65 25/1946	0.85 25/1946	1.15 25/1946	1.29 20/1944	1.49 20-21/1944
Nov.	Amt. Date	0.31 6/1948	0.43 2/1943	0.56 2/1943	0.83 4/1950	1.15 24/1950	1.17 28-29/1948
Dec.	Amt. Date	0.23 11/1944	0.36a 11/1944	0.49 7/1950	0.97 11/1944	1.32 11/1944	1.69 15-16/1948
Annual	Amt. Date	1.60 8/10/47	2.27 7/13/49	3.20 7/13/49	4.90 7/13/49	5.58 7/12-13/49	5.77 7/12-13/49

File No. 50028-

a Also 3/1950