

U. S. DEPARTMENT OF COMMERCE

SINCLAIR WEEKS, *Secretary*

WEATHER BUREAU

F. W. REICHELDERFER, *Chief*

TECHNICAL PAPER NO. 15

# Maximum Station Precipitation for

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

### Part XIX: Tennessee

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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CONTENTS

	Page
<b>Introduction</b>	1
<b>Table 1. - Maximum monthly precipitation amounts for Tennessee</b>	2
<b>Table 2. - Maximum precipitation amounts for Tennessee</b>	3
<b>Table 3. - Monthly distribution of Maximum precipitation amounts for Tennessee</b>	3
<b>Illustrations</b>	
<b>Figure 1. - Maximum recorded precipitation, 1 hour</b>	4
<b>Figure 2. - Maximum recorded precipitation, 2 hours</b>	5
<b>Figure 3. - Maximum recorded precipitation, 3 hours</b>	6
<b>Figure 4. - Maximum recorded precipitation, 6 hours</b>	7
<b>Figure 5. - Maximum recorded precipitation, 12 hours</b>	8
<b>Figure 6. - Maximum recorded precipitation, 24 hours</b>	9
<b>Tabulations of maximum precipitation by station (alphabetically)</b>	10-82



## 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 prepared<sup>1</sup>. 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 instances where true maxima were available the amounts were published and designated as follows: (w) True maxima from Table of Excessive precipitation of the Report of the Chief of the Weather Bureau. (x) True maxima from WB 1030 or from Technical Paper 2, Maximum Recorded Point Rainfall in the United States.

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 22 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 reports<sup>2</sup> of other surveys supplementing the recording-gage data with antecedent nonrecording-gage records. Although it would have been an easy matter to use these

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

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

A. E. Brown, Jr. supervised the project for Tennessee. The data was compiled and checked by the various members of the Meteorological Aid Section of the Cooperative Studies Section. The manuscript was prepared by James Villarejo and John E. Kelley which was then typed by Billie Neely and Ruth Shipman.

Table 1. - Maximum monthly precipitation amounts for Tennessee

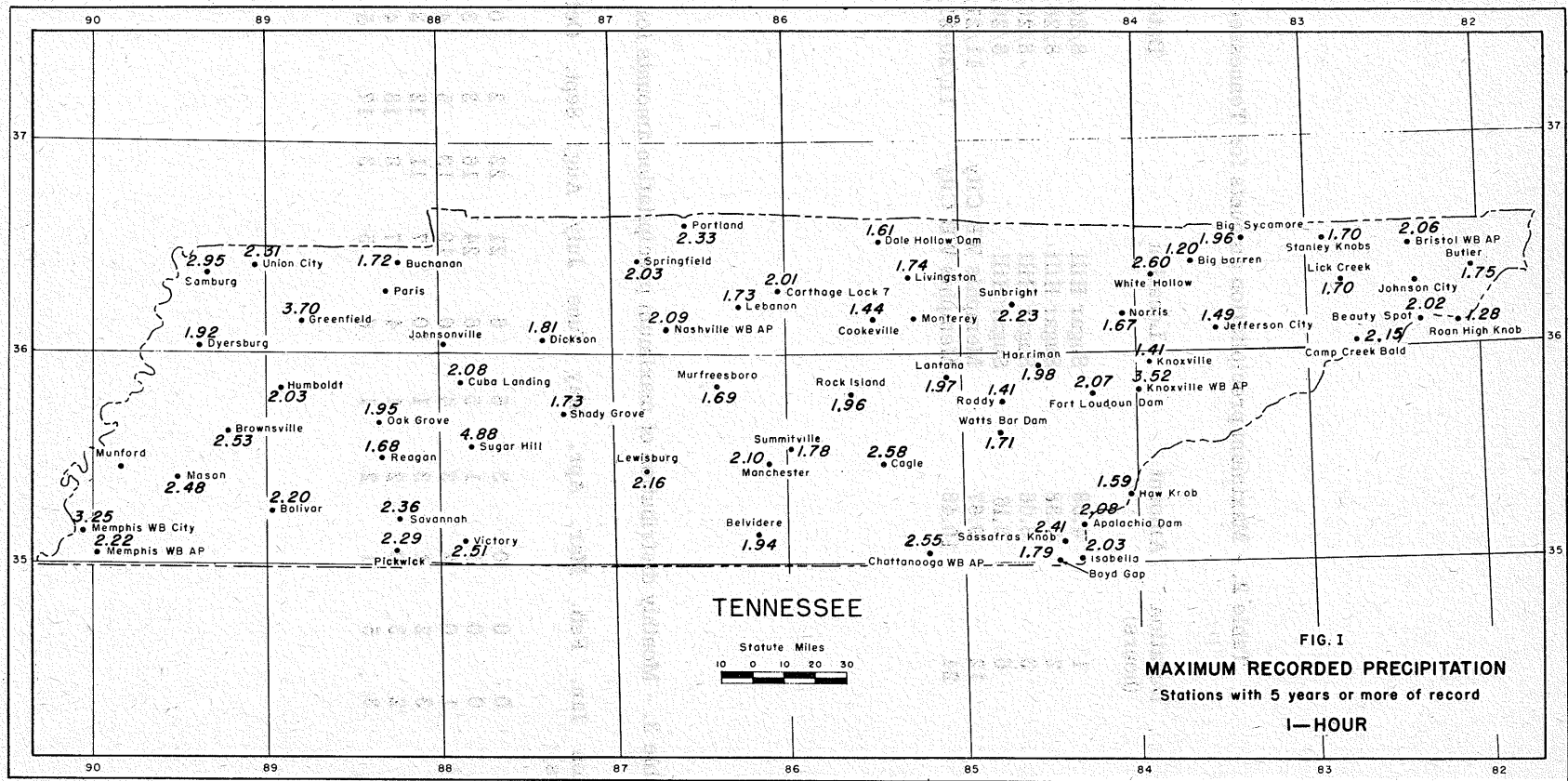
Duration (hours)	Amount	Location	Date	Duration (hours)	Amount	Location	Date
JANUARY							
1	1.52	Livingston	7/1946	1	3.70	Greenfield	18/1948
2	2.42	Sugar Hill	1/1948	2	4.70	Memphis WB City	16-17/1929
3	3.37	Sugar Hill	1/1948	3	5.00	Memphis WB City	16-17/1929
6	4.47	Sugar Hill	6-7/1946	6	5.00	Memphis WB City	16-17/1929
12	6.53	Sugar Hill	6-7/1946	12	5.60	Knoxville WBAP	16/1917
24	7.50	Sugar Hill	6-7/1946	24	6.58	Livingston	3-4/1941
FEBRUARY							
1	1.43	Sugar Hill	12/1948	1	4.88	Sugar Hill	26/1944
2	2.05	Sugar Hill	12/1948	2	7.38	Sugar Hill	26/1944
3	2.61	Sugar Hill	12/1948	3	8.06	Sugar Hill	26/1944
6	3.99	Lewisburg	21/1945	6	8.16	Sugar Hill	26/1944
12	5.02	Sugar Hill	12-13/1948	12	8.17	Sugar Hill	26-27/1944
24	7.13	Sugar Hill	12-13/1948	24	8.32	Sugar Hill	27/1944
MARCH							
1	1.54	Savannah	26/1948	1	2.55	Chattanooga WBAP	22/1909
2	2.49	Dickson	15-16/1948	2	3.20	Murfreesboro	23/1909
3	3.04	Dickson	15-16/1948	3	4.17	Murfreesboro	2-3/1898
6	5.43E	Memphis WB City	16/1919	6	4.88	Knoxville WBAP	2-3/1898
12	8.41E	Memphis WB City	16/1919	12	5.13	Cookeville	29/1944
24	9.30	Memphis WB City	16/1919	24	7.63	Norris	28-29/1944
APRIL							
1	2.20	Bolivar	23/1944	1	2.54	Memphis WB City	22/1935
2	3.13	Bolivar	23/1944	2	3.48	Memphis WB City	22/1935
3	3.28	Bolivar	23/1944	3	4.30	Memphis WB City	22/1935
6	4.62	Chattanooga WBAP	4/1911	6	5.41	Memphis WB City	22/1935
12	5.59	Chattanooga WBAP	4/1911	12	5.71	Memphis WB City	22/1935
24	6.60	Chattanooga WBAP	4-5/1911	24	6.44	Memphis WB City	22-23/1935
MAY							
1	2.95	Sambug	19/1947	1	2.00	Memphis WB City	21/1934
2	3.78	Sambug	19/1947	2	3.53	Memphis WB City	21/1934
3	4.18	Sambug	19/1947	3	4.68	Memphis WB City	21/1934
6	4.23	Sambug	19/1947	6	7.03	Memphis WB City	21/1934
12	4.28	Sambug	19/1947	12	9.67	Memphis WB City	21/1934
24	4.83	Memphis WB City	4/1914	24	10.48	Memphis WB City	20-21/1934
JUNE							
1	2.51	Cagle	14/1946	1	2.18	Mason	11/1949
2	4.50	Knoxville	12/1929	2	2.52	Pickwick	27/1942
2	4.50	Mason	22/1947	3	3.26	Pickwick	27/1942
3	5.28	Mason	22/1947	6	4.00	Pickwick	27/1942
6	7.04	Mason	22/1947	12	5.24	Cagle	27-28/1942
12	7.42	Mason	22/1947	24	5.67	Cagle	27-28/1942
24	7.42	Mason	22/1947				
JULY							
AUGUST							
SEPTEMBER							
OCTOBER							
NOVEMBER							
DECEMBER							

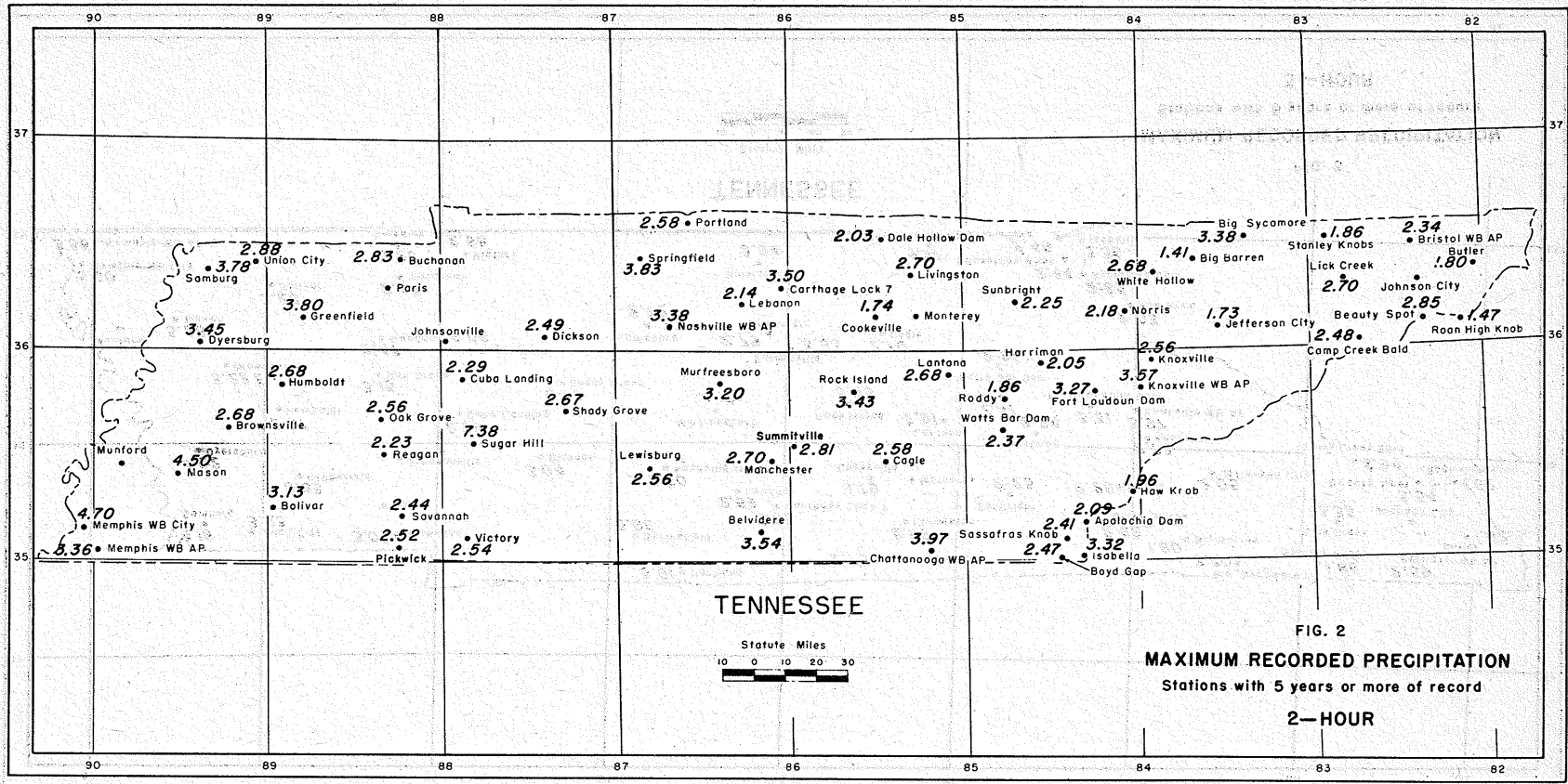
Table 2. - Maximum precipitation amounts for Tennessee

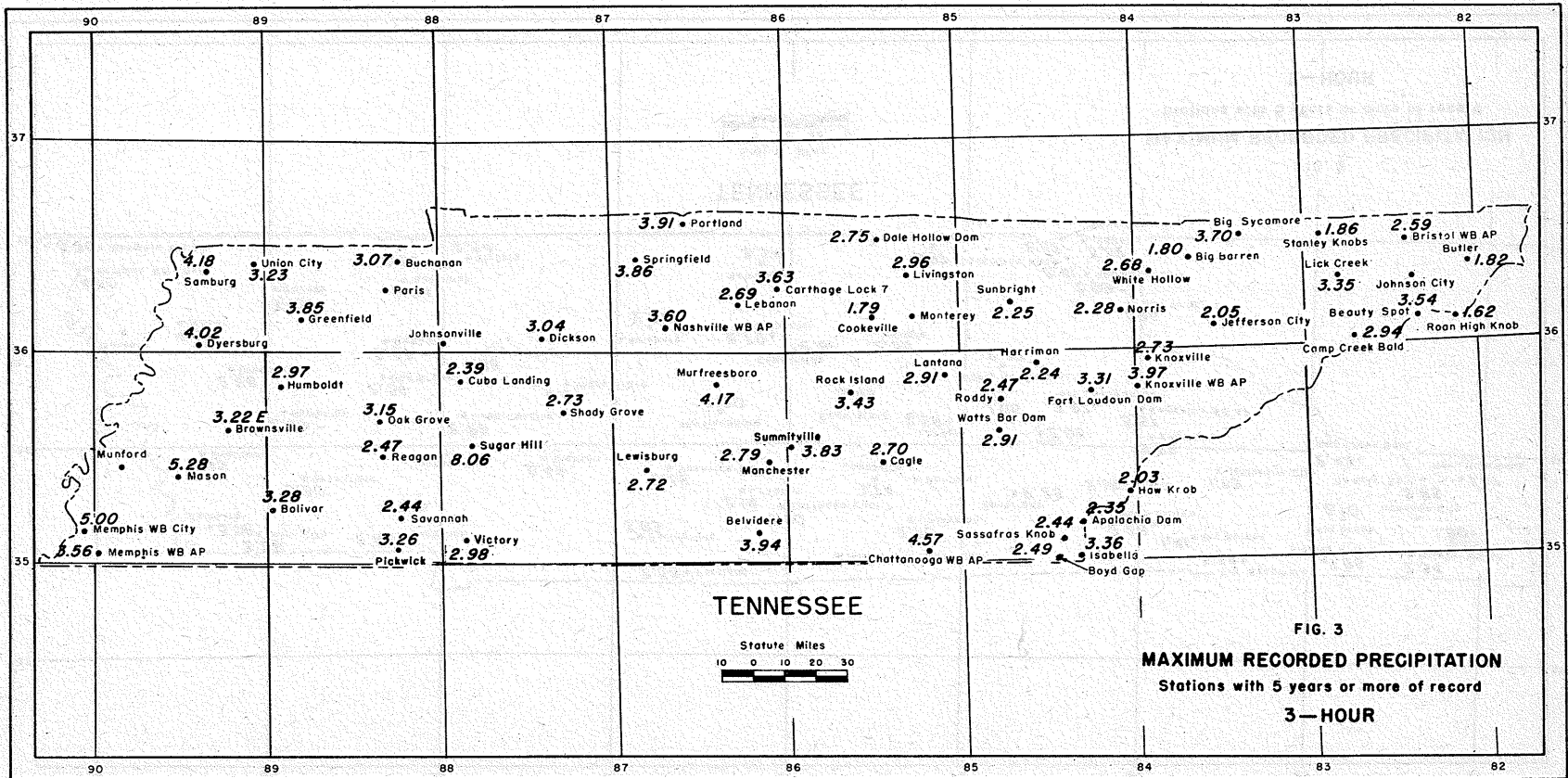
Duration (hours)	Amount	Location	Date
1	4.88	Sugar Hill	8/26/44
2	7.38	Sugar Hill	8/26/44
3	8.06	Sugar Hill	8/26/44
6	8.16	Sugar Hill	8/26/44
12	9.67	Memphis WB City	11/21/34
24	10.48	Memphis WB City	11/20-21/34

Table 3. - Monthly distribution of maximum precipitation amounts for Tennessee

Duration (hours)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	0	0	3	5	6	21	23	2	0	1	0
2	0	0	1	1	5	6	24	16	3	3	0	2
3	1	0	2	3	4	6	19	13	5	4	1	3
6	3	2	1	3	1	10	7	11	12	3	5	3
12	2	3	0	2	1	4	7	8	18	4	9	3
24	3	5	1	2	1	6	5	3	17	5	9	4









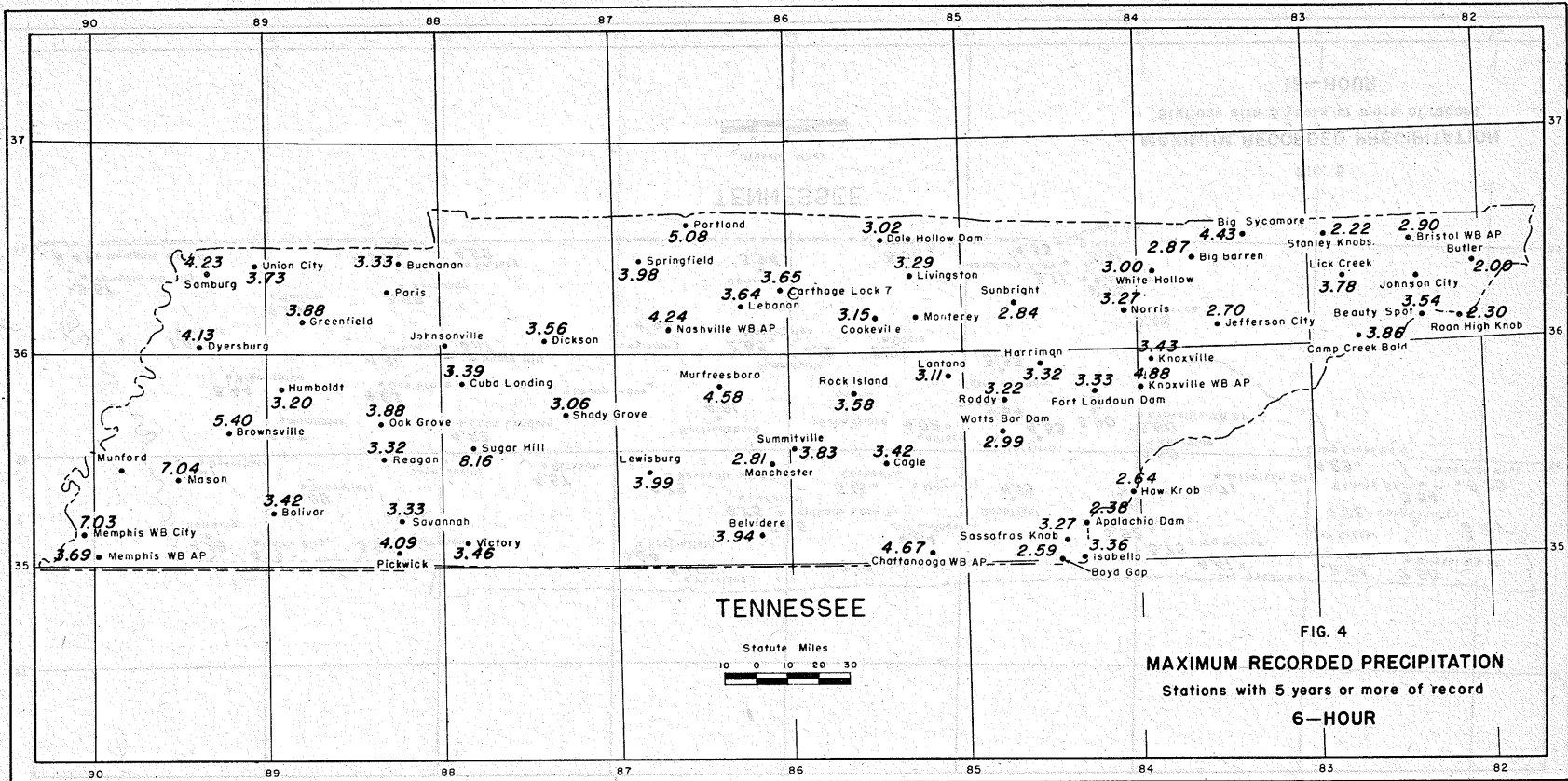
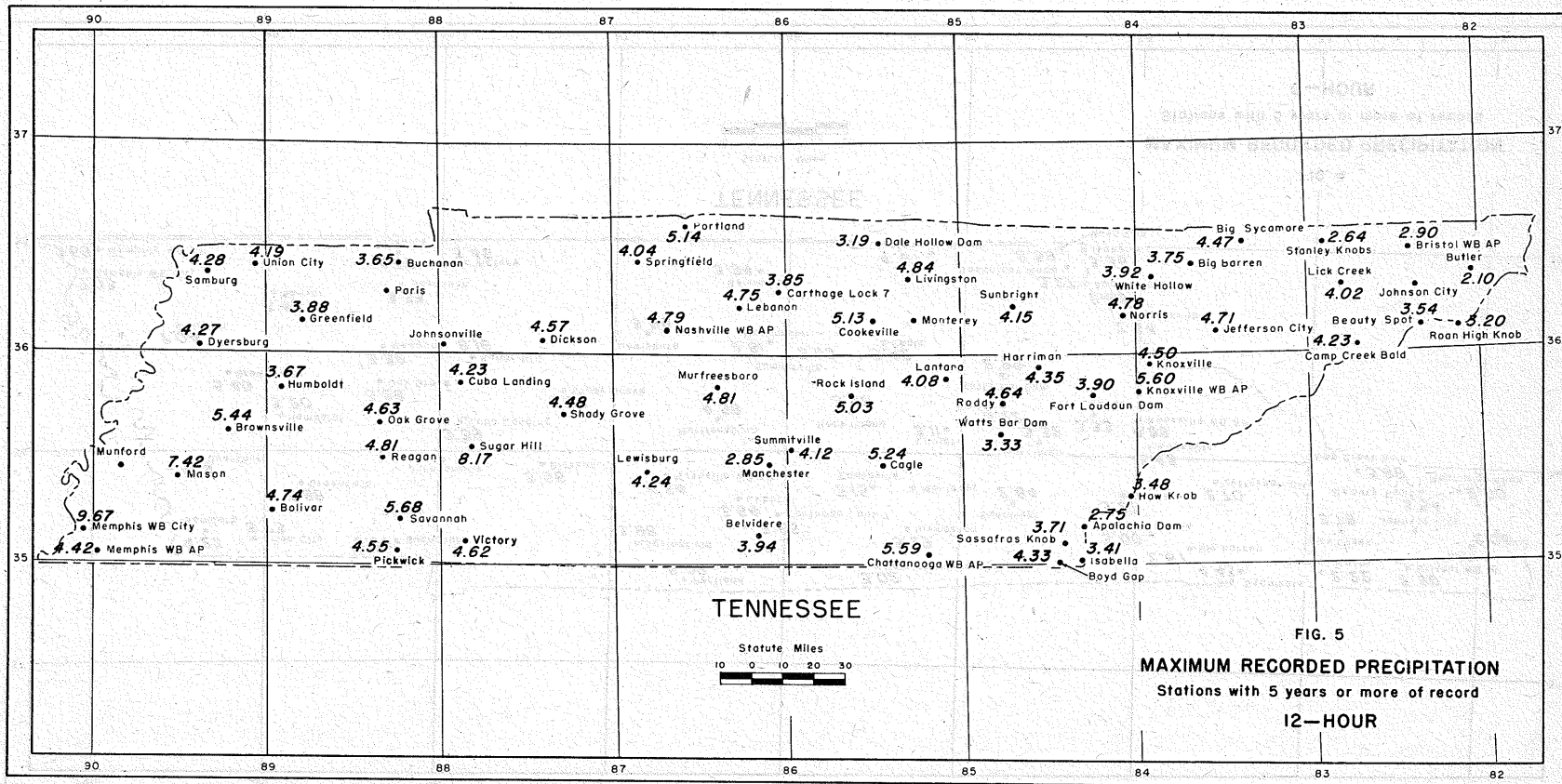
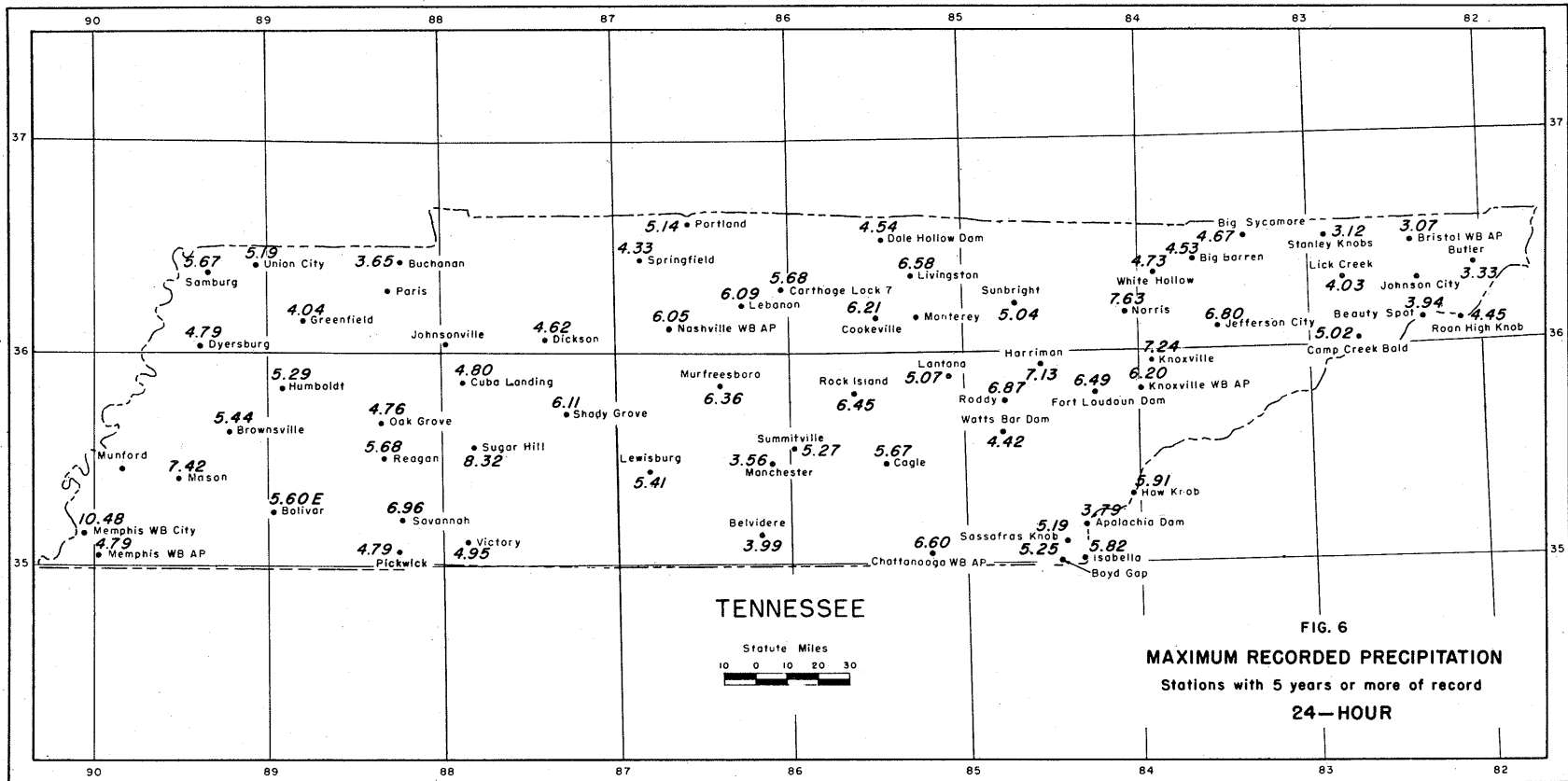


FIG. 4

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





U.S. WEATHER BUREAU

Station: APALACHIA DAM, TENNESSEE

Drainage basin: HIWASSKE

County: POLK

Lat. 35° 10'N Long. 84° 18'W

Elev.(ft.) 1176

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.50 19/1950	0.86 20/1947	1.06 20/1947	1.81 19-20/1947	2.71 19-20/1947	3.67 4-5/1949
Feb.	Amt. Date	0.97 26/1944	1.18 26/1944	1.24 26/1944	1.58 12-13/1945	2.52 12-13/1945	2.94 12-13/1945
Mar.	Amt. Date	1.00 31/1949	1.70 31/1949	1.80 31/1949	1.84 31/1949	2.46 12-13/1950	3.79 12-13/1950
Apr.	Amt. Date	0.80 17/1945	0.95 17/1945	1.30 28/1945	2.09 28/1945	2.53 28/1945	2.53 28/1945
May	Amt. Date	0.79 27/1950	0.90 27/1950	1.07 21/1947	1.63 21/1947	1.75 21/1947	2.51 15-16/1946
Jun.	Amt. Date	0.91 29/1943	1.22 28/1943	1.35 28/1943	1.47 28/1943	1.50 29/1948	2.52 28-29/1943
Jul.	Amt. Date	1.62 30/1943	1.66 30/1943	1.68 30/1943	2.06 26/1943	2.10 26/1943	2.29 2-3/1946
Aug.	Amt. Date	2.08 13/1947	2.09 13/1947	2.09 13/1947	2.09 13/1947	2.21 29/1946	2.28 2-3/1949
Sep.	Amt. Date	1.20 7/1947	1.98 7/1947	2.35 7/1947	2.38 7/1947	2.75 5-6/1949	2.94 5-6/1949
Oct.	Amt. Date	1.02 25/1946	1.11 25/1946	1.21 22/1945	1.89 25/1946	1.97 25/1946	1.97 25/1946
Nov.	Amt. Date	1.00 20/1950	1.40 20/1950	1.53 11/1946	1.71a 10-11/1946	2.20 10-11/1946	2.20 10-11/1946
Dec.	Amt. Date	0.50 29/1946	0.64 13/1949	0.80 15/1947	1.36 24/1948	1.62 24/1948	1.95 3-4/1945
Annual	Amt. Date	2.08 8/13/47	2.09 8/13/47	2.35 9/7/47	2.38 9/7/47	2.75 9/5-6/49	3.79 3/12-13/50

File No. 50028- a Also 19/1948

U. S. WEATHER BUREAU

Station: BEAUTY SPOT, TENNESSEE

Drainage basin: FRENCH BROAD

County: UNICOI

Lat. 36° 07'N Long. 82° 20'W

Elev.(ft.) 4210

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.89 1/1945	1.27 1/1945	1.57 1/1945	2.05 1/1945	2.21 1/1945	2.21 1/1945
Feb.	Amt. Date	0.34 17/1945	0.48 17/1944	0.60a 17/1944	0.93 17/1944	1.38 17/1944	2.03 17-18/1944
Mar.	Amt. Date	0.51 27/1944	0.71 8/1946	1.00 27/1950	1.50 8/1946	1.85 8/1946	1.95 8/1946
Apr.	Amt. Date	0.66 22/1944	0.90 22/1944	0.96 22/1944	1.18 17/1945	1.46E 16-17/1945	1.80 16-17/1945
May	Amt. Date	1.05 19/1942	1.05 19/1942	1.05 19/1942	1.37 20/1942	1.86 20/1942	2.91 19-20/1942
Jun.	Amt. Date	2.02 7/1943	2.85 7/1943	3.54 7/1943	3.54 7/1943	3.54 7/1943	3.60 7-8/1943
Jul.	Amt. Date	1.41 14/1947	1.46 30/1940	1.68 30/1940	2.17 30/1940	2.38 30/1940	2.38 30/1940
Aug.	Amt. Date	1.12 4/1942	1.42 4/1942	1.48 13/1940	2.21 13/1940	2.60 13/1940	3.01 13/1940
Sep.	Amt. Date	0.86 6/1947	0.92b 27/1942	1.05 27/1942	1.35 10/1941	2.42 29/1944	3.94 29-30/1944
Oct.	Amt. Date	0.52 25/1946	0.92 25/1946	1.30 25/1946	1.75 25/1946	2.01 20/1944	2.38 20/1944
Nov.	Amt. Date	0.60 2/1947	1.00 2/1947	1.25 2/1947	1.60 28/1948	1.99 28/1948	2.45 28-29/1948
Dec.	Amt. Date	1.06 7/1950	1.14 7/1950	1.21 7/1950	1.90 7/1950	2.05E 29/1942	2.50 29-30/1942
Annual	Amt. Date	2.02 6/7/43	2.85 6/7/43	3.54 6/7/43	3.54 6/7/43	3.54 6/7/43	3.94 9/29-30/44

File No. 50028- a Also 12/1948 b Also 6/1947

U.S. WEATHER BUREAU

Station: BELVIDERE, TENNESSEE

Drainage basin: TENNESSEE

County: FRANKLIN

Lat. 35° 08'N Long. 86° 11'W

Elev.(ft.) 970

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.08 5/1949	1.37 5/1949	1.68 5/1949	2.63 6/1946	3.21 5/1949	3.99 5/1949
Feb.	Amt. Date	0.60 13/1946	1.09 12/1948	1.28 6/1942	1.68 17/1945	1.92 12/1948	3.72 12/1948
Mar.	Amt. Date	0.76 22/1948	1.03 27/1950	1.21 30/1949	1.68 6/1944	2.04 26-27/1944	2.44 12-13/1950
Apr.	Amt. Date	1.23 6/1948	1.36 6/1948	1.40 6/1948	1.95 6/1948	2.37 8/1948	2.50 7-8/1948
May	Amt. Date	1.00 19/1942	1.55 19/1942	1.69 19/1942	2.01 19/1942	2.09 19/1942	2.87 31-1/1946
Jun.	Amt. Date	1.90 14/1946	2.26 14/1949	2.50 14/1946	3.08 14/1946	3.26 14/1946	3.62 15/1949
Jul.	Amt. Date	1.10 8/1941	1.50a 7/1940	2.20 7/1940	2.81 7/1940	2.99 7/1940	3.19 6-7/1940
Aug.	Amt. Date	1.94 20/1942	3.54 20/1942	3.94 20/1942	3.94 20/1942	3.94 20/1942	3.94 20/1942
Sep.	Amt. Date	1.25 13/1945	1.81 3/1943	2.08 3/1943	2.24 3/1943	2.72 7/1950	3.15 7-8/1950
Oct.	Amt. Date	0.67 29/1940	1.08 5/1945	1.29 9/1941	1.70 29/1940	1.76 29/1940	2.15 5-6/1945
Nov.	Amt. Date	1.01 19/1948	1.34 19/1948	1.64 10/1946	2.26 10/1946	2.82 19/1948	3.15 27-28/1948
Dec.	Amt. Date	0.70 16/1948	0.90 16/1948	1.15 5/1942	2.00 15-16/1948	2.43 15-16/1948	2.85 3-4/1945
Annual	Amt. Date	1.94 8/20/42	3.54 8/20/42	3.94 8/20/42	3.94 8/20/42	3.94 8/20/42	3.99 1/5/49

File No. 50028- a Also 15/1950

U.S. WEATHER BUREAU

Station: BIG BARREN \* TENNESSEE

Drainage basin: CLINCH

County: CLAIBORNE

Lat. 36 25'N Long. 83 40'W

Elev.(ft.) 1100 EST.

Period of record: 1940-1945

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.52 1/1942	0.58 24/1941	0.71 25/1943	1.14 25-26/1943	1.52 25-26/1943	2.18 25-26/1943
Feb.	Amt. Date	0.45 17/1945	0.74 4/1943	0.85 17/1945	1.38 12-13/1945	2.02 12-13/1943	2.46 17/1944
Mar.	Amt. Date	0.80 19/1943	1.06 19/1944	1.32 19/1944	1.78 19/1944	2.48 19/1944	2.71 19/1944
Apr.	Amt. Date	0.55 16/1945	0.95 16/1945	1.10 16-17/1945	1.26 16-17/1945	1.38 18-19/1943	1.71 18-19/1943
May	Amt. Date	0.62 26/1944	0.62 26/1944	0.62 26/1944	0.64 21-22/1942	0.88 19-20/1942	0.98 19-20/1942
Jun.	Amt. Date	0.89a 10/1941	0.89a 10/1941	0.89a 10/1941	0.98 10/1941	0.98 10/1941	1.33 10-11/1941
Jul.	Amt. Date	1.20 6/1942	1.36 6/1942	1.36 6/1942	1.70 6-7/1942	2.31 4/1941	2.98 4-5/1941
Aug.	Amt. Date	0.61 12/1941	0.85 17/1942	1.01 4/1943	1.16 4/1943	1.17 13/1940	1.52 31-1/1944
Sep.	Amt. Date	1.00 1/1944	1.14 29/1944	1.59 29/1944	2.87 29/1944	3.75 28-29/1944	4.53 28-29/1944
Oct.	Amt. Date	0.62 27/1941	0.77 27/1941	0.84 27/1941	1.12 10/1941	1.51 14-15/1943	1.86 14-15/1943
Nov.	Amt. Date	0.45 15/1944	0.80 15/1944	0.86 15/1944	1.10 15/1944	1.50 15/1944	1.52 15/1944
Dec.	Amt. Date	0.80 28/1940	1.41 28/1940	1.80 28/1940	2.14 28/1940	2.51 28-29/1940	2.54 28-29/1940
Annual	Amt. Date	1.20 7/6/42	1.41 12/28/40	1.80 12/28/40	2.87 9/29/44	3.75 9/28-29/44	4.53 9/28-29/44

File No. 50028- a Also 29/1944

\*Formerly New Tazewell, Tennessee

U.S. WEATHER BUREAU

Station: BIG SYCAMORE, TENNESSEE\*

Drainage basin: CLINCH

County: HANCOCK

Lat. 36° 31'N Long. 83° 22'W

Elev.(ft.) 2300

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.47 24/1941	0.74 24/1941	0.88 24/1941	1.25 30/1950	2.26 7/1946	3.08 29-30/1950
Feb.	Amt. Date	0.51 9/1950	0.72 9/1950	0.96 17/1945	1.39 17/1945	1.79 17/1944	2.18 16-17/1944
Mar.	Amt. Date	0.85 16/1942	1.15 16/1942	1.25 16/1942	1.25 16/1942	1.81 17-18/1949	2.00 2-3/1942
Apr.	Amt. Date	0.72 1/1945	1.02 16/1945	1.25 16/1945	1.43 16-17/1945	1.43 16-17/1945	1.80 18-19/1943
May	Amt. Date	0.75 11/1950	0.79 17/1945	0.89 17/1945	1.46 11/1950	1.48 11/1950	2.59 11-12/1950
Jun.	Amt. Date	1.90 28/1947	3.10 28/1947	3.70 28/1947	4.43 28/1947	4.47 28/1947	4.67 27-28/1947
Jul.	Amt. Date	1.18 18/1947	1.78 11/1943	1.83 11/1943	1.89 18/1947	2.81 4/1941	4.13 4-5/1941
Aug.	Amt. Date	1.96 15/1949	3.38 15/1949	3.38 15/1949	3.38 15/1949	4.00 17/1946	4.36 15-16/1949
Sep.	Amt. Date	1.10 7/1945	1.25 7-8/1945	1.29 7-8/1945	2.07 29/1944	2.67 28-29/1944	3.23 28-29/1944
Oct.	Amt. Date	0.48 27/1941	0.67 27/1941	0.88 31/1942	1.10 9-10/1941	1.37 9-10/1941	1.37 9-10/1941
Nov.	Amt. Date	0.53 20/1950	0.70 6/1948	0.95 6/1948	1.40 6/1948	1.60 28/1948	2.39 28-29/1948
Dec.	Amt. Date	0.63 16/1948	0.75 16/1948	0.82 16/1948	1.02 12-13/1949	1.21 4/1945	1.55 4/1945
Annual	Amt. Date	1.96 8/15/49	3.38 8/15/49	3.70 6/28/47	4.43 6/28/47	4.47 6/28/47	4.67 6/27-28/47

File No. 50028- \*Formerly Xenphone, Tennessee



U. S. WEATHER BUREAU

Station: BOLIVAR, TENNESSEE

Drainage basin: MISSISSIPPI

County: HARDEMAN

Lat. 35° 15'N Long. 88° 59'W

Elev.(ft.) 453

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.82 10/1950	1.11 10/1950	1.35 10/1950	1.91E 7/1946	3.81 6-7/1946	5.60E 6-7/1946
Feb.	Amt. Date	0.89 26/1945	1.09 8/1944	1.35 8/1944	2.02 26/1945	2.27 26/1945	2.95 12-13/1948
Mar.	Amt. Date	0.78 7/1950	0.80 5/1947	1.04 25-26/1946	1.71 25-26/1946	1.84 25-26/1946	2.89 25-26/1946
Apr.	Amt. Date	2.20 23/1944	3.13 23/1944	3.28 23/1944	3.42 23/1944	4.74 8-9/1942	5.15 8-9/1942
May	Amt. Date	1.05 10/1943	1.14 10/1943	1.19 4/1944	1.58 4/1944	1.65 4/1944	2.37 4/1944
Jun.	Amt. Date	0.93 15/1942	1.17 15/1945	1.21 15/1945	1.55 15/1949	1.79 14/1949	3.68 14-15/1949
Jul.	Amt. Date	1.38 18/1946	1.70 10/1941	2.00 10/1941	2.02 10-11/1941	2.05 10-11/1941	2.09 10-11/1941
Aug.	Amt. Date	1.24 9/1942	1.35 26/1950	1.47 26/1950	1.68 9/1940	2.28 3-4/1942	2.28 3-4/1942
Sep.	Amt. Date	2.06 2/1943	2.26 2/1943	2.30 2/1943	2.31 2/1943	3.26 9/1947	3.38 9/1947
Oct.	Amt. Date	0.78 30/1942	1.40 26/1947	1.50 26/1947	2.30 26-27/1947	3.02 26-27/1947	3.20 26-27/1947
Nov.	Amt. Date	1.25 5/1948	1.48 18/1948	2.13 18/1948	2.70 18/1948	4.47 18/1948	5.24 18-19/1948
Dec.	Amt. Date	1.08 12/1949	1.44 12/1949	1.59 12/1949	1.76 12/1949	2.36 12/1949	2.83 24-25/1944
Annual	Amt. Date	2.20 4/23/44	3.13 4/23/44	3.28 4/23/44	3.42 4/23/44	4.74 4/8-9/42	5.60E 1/6-7/46

File No. 50028-

U.S. WEATHER BUREAU

Station: BOYD GAP, TENNESSEE

Drainage basin: HIWASSE

County: POLK

Lat. 35° 02'N Long. 84° 25'W

Elev.(ft.) 1520

Period of record: 1944-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.63 14/1947	0.79 14/1947	1.07 20/1947	1.91 19-20/1947	3.05 19-20/1947	3.73 19-20/1947
Feb.	Amt. Date	0.90 17/1945	1.42 17/1945	1.69 17/1945	1.99 17/1945	3.19 12-13/1945	3.62 12-13/1945
Mar.	Amt. Date	0.70 27/1944	1.08 12/1950	1.32 12/1950	2.14 12-13/1950	3.32 12-13/1950	4.69 12-13/1950
Apr.	Amt. Date	0.88 28/1949	1.48 28/1949	1.66 28/1949	1.98 28/1949	2.20 28/1949	2.50 28/1949
May	Amt. Date	0.81 29/1944	1.10 29/1944	1.26 21/1947	1.60 21/1947	1.62 21/1947	2.01 15-16/1946
Jun.	Amt. Date	1.01 6/1944	1.15 21/1947	1.38 21/1947	1.53 14/1946	2.01 14/1946	2.70 21-22/1947
Jul.	Amt. Date	1.79 20/1949	2.29 20/1949	2.30 20/1949	2.30 20/1949	2.30 20/1949	2.70 26-27/1950
Aug.	Amt. Date	1.75 8/1947	1.80 17/1944	1.82 17/1944	1.82 17/1944	1.82 17/1944	2.09 16-17/1944
Sep.	Amt. Date	0.66 29/1944	1.17 29/1944	1.48 29/1944	2.10 29/1944	2.58 5-6/1949	2.77 5-6/1949
Oct.	Amt. Date	1.49 6/1949	2.47 6/1949	2.49 6/1949	2.59 30/1949	3.60 30/1949	5.25 30-31/1949
Nov.	Amt. Date	0.73 19/1948	1.07 19/1948	1.30 11/1946	2.52 28/1948	4.33 28/1948	4.92 27-28/1948
Dec.	Amt. Date	0.52 4/1945	0.63 15/1947	0.92 15/1947	1.33 15/1947	1.85 4/1945	2.75 4/1945
Annual	Amt. Date	1.79 7/20/49	2.47 10/6/49	2.49 10/6/49	2.59 10/30/49	4.33 11/28/48	5.25 10/30-31/49

File No. 50028-

U. S. WEATHER BUREAU

Station: BRISTOL WB AP, TENNESSEE\*

Drainage basin: HOLSTON

County: SULLIVAN

Lat. 36° 29'N Long. 82° 24'W

Elev.(ft.) 1519

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.70 25/1943	1.00 25/1943	1.04 25/1943	1.07 30/1950	1.81 30/1950	2.72 29-30/1950
Feb.	Amt. Date	0.34 17/1945	0.64 17/1945	0.88 17/1945	1.37 17/1945	1.65 17/1945	1.98 9-10/1946
Mar.	Amt. Date	0.49 27/1950	0.94 27/1950	1.20 27/1950	1.43 27/1950	1.43 27/1950	1.68 4-5/1943
Apr.	Amt. Date	0.90 6/1948	1.31 7/1948	1.34 6/1948	1.38 6/1948	1.93 27/1949	2.70 6-7/1948
May	Amt. Date	0.94 11/1950	0.97 25/1943	0.97 25/1943	1.32 11/1950	1.74 12/1950	3.07 11-12/1950
Jun.	Amt. Date	1.30 8/1940	2.11 8/1940	2.21 8/1940	2.21 8/1940	2.21 8/1940	2.57 27-28/1947
Jul.	Amt. Date	2.06 14/1946	2.34 14-15/1946	2.59 14-15/1946	2.90 14-15/1946	2.90 14-15/1946	2.90 14-15/1946
Aug.	Amt. Date	1.28 13/1943	1.45 13/1944	1.47 13/1944	1.67 5/1942	1.78 5/1942	2.41a 13-14/1940
Sep.	Amt. Date	1.81 13/1947	1.83 13/1947	1.83 13/1947	1.83 13/1947	1.90 28-29/1944	2.97 29/1944
Oct.	Amt. Date	0.35 23/1945	0.63 25/1942	0.92 25-26/1942	1.33 25-26/1946	1.49 25-26/1942	2.13 30-31/1949
Nov.	Amt. Date	0.46 28/1948	0.84 28/1948	1.19 28/1948	1.67 28/1948	1.85 28/1948	2.48 28-29/1948
Dec.	Amt. Date	0.30 29/1942	0.55 7/1950	0.75 7/1950	1.50 29/1942	1.92 29/1942	2.56 28-29/1942
Annual	Amt. Date	2.06 7/14/46	2.34 7/14-15/46	2.59 7/14-15/46	2.90 7/14-15/46	2.90 7/14-15/46	3.07 5/11-12/50

File No. 50028-a Also 4-5/1942

\*Formerly Tri-City, Tennessee

U. S. WEATHER BUREAU

Station: BROWNSVILLE, TENNESSEE

Drainage basin: MISSISSIPPI

County: HAYWOOD

Lat. 35° 38'N Long. 89° 13'W

Elev.(ft.) 380

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.66 30/1950	1.12 8/1946	1.52 8/1946	2.09 8/1946	2.96 8/1946	3.73 8/1946
Feb.	Amt. Date	0.77 17/1945	0.92 17/1945	1.10 17/1944	1.93 17/1944	2.77 17/1944	3.54 8-9/1944
Mar.	Amt. Date	1.41 18/1943	1.73 18/1943	1.97 18/1943	2.68 18/1943	2.70 18/1943	2.80 18-19/1943
Apr.	Amt. Date	1.55 19/1941	2.12 19/1941	2.29 19/1941	2.62 19-20/1941	3.66 8-9/1942	4.06 8-9/1942
May	Amt. Date	1.38 20/1949	2.13 20/1949	2.38 20/1949	2.51 20-21/1949	2.51 20-21/1949	2.76 20-21/1949
Jun.	Amt. Date	1.21 14/1949	1.75 14/1949	2.26 14/1949	3.26 14/1949	3.38 14/1949	4.43 14/1949
Jul.	Amt. Date	1.55 29/1941	1.60 9/1946	1.60a 29/1941	1.61 29/1941	1.61 29/1941	2.68 9-10/1946
Aug.	Amt. Date	2.53 15/1947	2.68 15/1947	2.70 15/1947	2.85 15/1947	3.20E 24-25/1950	4.98 24-25/1950
Sep.	Amt. Date	1.26 6/1943	1.96 6/1943	2.19 6/1943	2.76 6/1943	3.02 6/1943	3.32 5-6/1943
Oct.	Amt. Date	0.79 5/1949	0.92 5/1949	1.15 31/1947	1.44 30/1942	2.72 30/1942	3.01 30-31/1942
Nov.	Amt. Date	1.08E 2/1945	2.15E 2/1945	3.22E 2/1945	5.40 2/1945	5.44 2/1945	5.44 2/1945
Dec.	Amt. Date	1.22 11/1949	1.68 11/1949	2.15 16/1948	2.48 11-12/1949	2.84 16-17/1948	3.98 11-12/1949
Annual	Amt. Date	2.53 8/15/47	2.68 8/15/47	3.22E 11/2/45	5.40 11/2/45	5.44 11/2/45	5.44 11/2/45

File No. 50028- a Also 9/1946

U.S. WEATHER BUREAU

Station: BUCHANAN, TENNESSEE

Drainage basin: TENNESSEE

County: HENRY

Lat. 36° 26'N Long. 88° 14'W

Elev.(ft.) 435

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.10 10/1950	1.40 10/1950	1.49 10/1950	1.81 10/1950	2.58 8/1946	3.15 8/1946
Feb.	Amt. Date	0.47 5/1946	0.75 28/1944	0.98 28/1944	1.96 28/1944	2.69 28/1944	2.86 13-14/1949
Mar.	Amt. Date	1.03 26/1944	1.33 26-27/1944	1.39 26-27/1944	1.50 27/1950	2.13 18-19/1943	2.28 26/1949
Apr.	Amt. Date	0.94 9/1942	1.18 9/1942	1.42 9/1942	1.95 8-9/1942	3.45 8-9/1942	4.07 8-9/1942
May	Amt. Date	1.30 27/1950	2.30 3/1944	2.30 3/1944	2.32 3/1944	2.32 3/1944	3.11 3-4/1944
Jun.	Amt. Date	1.18 3/1941	1.18 3/1941	1.18 3/1941	1.31 8/1945	1.63 18/1949	2.22 2-3/1941
Jul.	Amt. Date	1.31 10/1949	2.11 10/1949	2.13 10/1949	2.13 10/1949	2.77 2/1941	3.21 10-11/1941
Aug.	Amt. Date	1.72 7/1942	2.83 7/1942	3.07 7/1942	3.33 7/1942	3.41 7/1942	3.47 7-8/1942
Sep.	Amt. Date	1.10 5/1949	1.50 5/1949	1.79 5/1949	2.25 5/1949	2.77 4-5/1948	2.87 4-5/1948
Oct.	Amt. Date	0.74 18/1947	1.03 22/1950	1.23 22/1950	1.43 22/1950	2.10 30/1942	2.20 30/1942
Nov.	Amt. Date	1.31 5/1948	1.71 5/1948	1.96 5/1948	2.61 5/1948	3.65 5/1948	3.65 5/1948
Dec.	Amt. Date	0.88 27/1942	1.30 27/1942	1.46 27/1942	2.37 27/1942	2.66 27/1942	3.49 14-15/1948
Annual	Amt. Date	1.72 8/7/42	2.83 8/7/42	3.07 8/7/42	3.33 8/7/42	3.65 11/5/48	3.65 11/5/48

File No. 50028-

U. S. WEATHER BUREAU

Station: BUTLER, TENNESSEE

Drainage basin: HOLSTON

County: JOHNSON

Lat. 36° 22'N Long. 82° 02'W

Elev.(ft.) 2070

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.38 30/1947	0.67 30/1947	0.76 7/1946	1.11 7/1946	1.41 7/1946	1.71 29-30/1950
Feb.	Amt. Date	0.39 14/1946	0.51 10/1946	0.69 26/1944	0.99 10/1946	1.57 10/1946	2.01 9-10/1946
Mar.	Amt. Date	0.50 18/1949	0.68 18/1949	0.84 18/1949	1.03 26/1945	1.35 8/1946	1.49 8/1946
Apr.	Amt. Date	0.60 7/1948	0.86 6/1948	0.97 6/1948	1.08 17/1945	1.15 16-17/1945	1.78 6-7/1948
May	Amt. Date	0.76 30/1948	0.96 25/1946	0.99 25/1946	0.99 25/1946	1.24 25-26/1945	1.57 25-26/1945
Jun.	Amt. Date	0.81 9/1950	0.85 9/1950	0.87 19/1950	1.23 28/1947	1.42 28/1947	2.41 27-28/1947
Jul.	Amt. Date	1.75 8/1949	1.80 8/1949	1.82 8/1949	2.00 15/1948	2.10 15/1948	2.51 29-30/1943
Aug.	Amt. Date	0.91a 15/1944	1.23 4/1949	1.23 4/1949	1.36 4/1949	1.40 4/1949	1.50 31-1/1948
Sep.	Amt. Date	1.25 2/1943	1.51 2/1943	1.75 2/1943	1.80 2/1943	2.02 29-30/1944	3.33 29-30/1944
Oct.	Amt. Date	0.43 20/1944	0.86 20/1944	1.23 20/1944	1.68 20/1944	1.87 20/1944	2.05 20/1944
Nov.	Amt. Date	0.39 15/1944	0.66 24/1949	0.70 28/1948	1.21 28/1948	1.40 28/1948	1.69 28-29/1948
Dec.	Amt. Date	0.40 11/1944	0.65 3/1950	0.85 3/1950	1.30 3-4/1950	1.53 3-4/1950	1.53 3-4/1950
Annual	Amt. Date	1.75 7/8/49	1.80 7/8/49	1.82 7/8/49	2.00 7/15/48	2.10 7/15/48	3.33 9/29-30/44

File No. 50028- a Also 4/1949

U. S. WEATHER BUREAU

Station: CAGLE, TENNESSEE

Drainage basin: TENNESSEE

County: SEQUATCHIE

Lat. 35° 28'N Long. 85° 27'W

Elev.(ft.) 2120

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.80 7/1946	1.08 7/1946	1.70 7/1946	2.70 7/1946	3.70 7/1946	3.84 7-8/1946
Feb.	Amt. Date	1.16 13/1948	1.52 13/1948	1.78 13/1948	1.94 13/1948	2.24 11-12/1948	3.50 11-12/1948
Mar.	Amt. Date	1.26 27/1950	1.57 27/1950	1.73 27/1950	2.04 27/1950	2.04 27/1950	3.16 26-27/1948
Apr.	Amt. Date	0.84 27/1949	1.42 27/1949	1.53 27/1949	2.04 27/1949	2.08 27/1949	2.38 18-19/1943
May	Amt. Date	0.52 27/1950	0.91 15/1945	0.92 3/1946	1.24 30/1950	1.35 9-10/1945	1.57 19-20/1942
Jun.	Amt. Date	1.51 14/1946	2.11 14/1946	2.60 14/1946	3.42 14/1946	3.66 14/1946	3.66 14/1946
Jul.	Amt. Date	1.98 10/1943	2.58 10/1943	2.70 10/1943	2.70 10/1943	2.70 10/1943	3.34 10-11/1943
Aug.	Amt. Date	2.58 27/1941	2.58 27/1941	2.58 27/1941	2.76 17/1942	2.99 17/1942	4.55 4-5/1942
Sep.	Amt. Date	1.42 2/1941	1.47 2/1941	1.50 2/1941	1.50 2/1941	2.38 7/1950	2.39 7/1950
Oct.	Amt. Date	1.01 17/1949	1.80 4/1941	1.93 4/1941	2.97 17/1949	3.19 17/1949	3.73 16-17/1949
Nov.	Amt. Date	0.78 19/1948	1.18 19/1948	1.60 19/1948	2.50 28/1948	3.15 28/1948	3.56 28/1948
Dec.	Amt. Date	0.90 28/1942	1.64 28/1942	2.12 27-28/1942	3.32 27-28/1942	5.24 27-28/1942	5.67 27-28/1942
Annual	Amt. Date	2.58 8/27/41	2.58a 7/10/43	2.70 7/10/43	3.42 6/14/46	5.24 12/27-28/42	5.67 12/27-28/42

File No. 50028- a Also 8/27/41

U. S. WEATHER BUREAU

Station: CAMP CREEK BALD, TENNESSEE

Drainage basin: FRENCH BROAD

County: GREENE

Lat. 36° 02' N Long. 82° 43' W

Elev.(ft.) 4650

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.53 15/1947	0.67 7/1946	0.74 7/1946	1.26E 7/1946	1.94 7/1946	2.33 6-7/1946
Feb.	Amt. Date	0.38 17/1945	0.81 22/1944	0.81 22/1942	1.04 17/1945	1.29 9-10/1946	2.17 16-17/1944
Mar.	Amt. Date	1.00 19/1944	1.16 19/1944	1.20 18-19/1944	1.57 18-19/1944	1.75 26/1945	1.96 5-6/1947
Apr.	Amt. Date	0.55 25/1946	0.97 11/1944	1.17 11/1944	1.39 11/1944	1.39 11/1944	1.94 11-12/1944
May	Amt. Date	1.28 30/1950	1.49 19/1943	1.56 19/1943	1.79 19/1943	2.29 30/1950	2.41 30/1950
Jun.	Amt. Date	1.35 28/1947	2.05 28/1947	2.88 28/1947	3.86 28/1947	3.95 28/1947	4.78 27-28/1947
Jul.	Amt. Date	2.15 16/1941	2.48 16/1941	2.94 15/1948	3.68 15/1948	4.23 15/1948	5.02 14-15/1948
Aug.	Amt. Date	1.20 2/1947	1.75 7/1940	2.34 7/1940	2.72 7/1940	2.72 7/1940	3.85 29-30/1940
Sep.	Amt. Date	1.50 6/1948	2.00 6/1948	2.10 6/1948	2.40 6/1948	3.02 6/1948	4.68 29-30/1944
Oct.	Amt. Date	0.87 23/1945	1.14 23/1945	1.23 23/1945	1.53 20/1944	2.94 20/1944	3.42 20/1944
Nov.	Amt. Date	0.48 15/1944	0.75 28/1948	1.02 28/1948	1.82 28/1948	2.37 28/1948	2.92 28-29/1948
Dec.	Amt. Date	0.70 31/1945	0.85 29/1948	1.10 29/1948	1.60 29/1942	2.14 29/1942	3.12 29-30/1942
Annual	Amt. Date	2.15 7/16/41	2.48 7/16/41	2.94 7/15/48	3.86 6/28/47	4.23 7/15/48	5.02 7/14-15/48

File No. 50028- \*Formerly Greenville, Tennessee



U.S. WEATHER BUREAU

Station: CARTHAGE LOCK 7, TENNESSEE

Drainage basin: CUMBERLAND

County: SMITH

Lat. 36° 18' N Long. 86° 02' W

Elev.(ft.) 480

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.85 30/1947	1.07 30/1947	1.23 30/1947	1.79 1/19/8	1.95 31-1/1948	3.05 7-8/1946
Feb.	Amt. Date	0.92 26/1946	1.33 13/1948	1.77 26/1946	2.55 13/1948	3.85 12-13/1948	5.68 12-13/1948
Mar.	Amt. Date	0.95 26/1948	1.24 26/1948	1.91 18/1943	2.47 18-19/1943	2.60 18-19/1943	3.28 18-19/1943
Apr.	Amt. Date	0.64 12/1943	0.97 11-12/1943	1.19 11-12/1943	1.41 11-12/1943	1.88 23/1943	2.26 22-23/1943
May	Amt. Date	1.77 7/1950	2.25 7/1950	2.57 7/1950	3.15 7/1950	3.23 7/1950	3.63 6-7/1950
Jun.	Amt. Date	1.86 19/1948	3.50 19/1948	3.63 19/1948	3.65 19/1948	3.65 19/1948	3.65 19/1948
Jul.	Amt. Date	1.05 28/1945	1.25 28/1945	1.36 28/1945	1.58 4/1941	2.77 4/1941	2.99 3-4/1941
Aug.	Amt. Date	2.01 2/1946	2.36 2/1946	2.61 2/1946	3.15 2/1946	3.18 2/1946	3.37 2-3/1946
Sep.	Amt. Date	0.85 4/1944	1.36 4/1944	1.36 4/1944	1.97 28-29/1944	2.72 28-29/1944	2.96 28-29/1944
Oct.	Amt. Date	0.46 27/1947	0.76 30/1949	0.95 30/1949	1.81 30/1949	2.95 30/1949	3.24 30/1949
Nov.	Amt. Date	0.88 5/1948	1.21 10/1946	1.36 10/1946	2.30a 2/1945	3.45 10/1946	3.90 10-11/1946
Dec.	Amt. Date	0.74 15/1948	0.96 15/1948	1.07 15/1948	1.27 12/1949	1.95 31-1/1947	2.54 15-16/1948
Annual	Amt. Date	2.01 8/2/46	3.50 6/19/48	3.63 6/19/48	3.65 6/19/48	3.85 2/12-13/48	5.68 2/12-13/48

File No. 50028- a Also 10/1946

U. S. WEATHER BUREAU

Station: CHATTANOOGA WB AP, TENNESSEE\*

Drainage basin: TENNESSEE

County: HAMILTON

Lat. 35° 02'N Long. 85° 12'W

Elev.(ft.) 676

Period of record: 1900-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.02x 19/1922	1.29x 7/1946	1.32x(a) 19/1922	1.72 8/1936	2.58 7/1946	4.44 4-5/1949
Feb.	Amt. Date	1.27 26/1944	1.41wx 26/1944	1.51wx 28/1939	2.20 3-4/1936	3.01 12-13/1945	3.93 11-12/1948
Mar.	Amt. Date	1.41w 21/1932	1.77w 14/1929	2.39 13-14/1929	3.44 13-14/1929	3.64 13-14/1929	4.39 31-1/1920
Apr.	Amt. Date	1.58 10/1927	2.21 10/1927	2.54 4/1911	4.62 4/1911	5.59 4/1911	6.60 4-5/1911
May	Amt. Date	1.78wx 30/1903	1.87x 30/1903	1.95 28-29/1912	2.37 28-29/1912	2.43 28-29/1912	3.70x 29-30/1903
Jun.	Amt. Date	2.23wx 15/1949	2.99wx 15/1949	3.99wx 15/1949	4.67 15/1949	4.84 15/1949	4.85 15/1949
Jul.	Amt. Date	2.29wx 14/1949	3.97wx 14/1949	4.57 14/1949	4.58 14/1949	4.62 13-14/1949	5.03x 19/1933
Aug.	Amt. Date	2.52 22/1912	3.16wx 5/1941	3.53wx 5/1941	3.70 5-6/1941	3.70 5-6/1941	3.70 5-6/1941
Sep.	Amt. Date	2.55x 22/1909	2.94x 23/1909	2.96 23/1909	3.00 23/1909	3.71 30/1915	4.13 29-30/1915
Oct.	Amt. Date	1.30x 22/1928	1.44x 22/1928	1.44 22/1928	2.15b 28/1935	3.09 15-16/1932	4.16x 15-16/1932
Nov.	Amt. Date	0.97 19/1948	1.80 19/1948	1.93 19/1948	2.55 15/1926	3.21 19/1948	4.56 27-28/1948
Dec.	Amt. Date	0.84 5/1910	1.43 28/1942	2.04 28/1942	3.10 28/1942	4.42 27-28/1942	5.25x 27-28/1942
Annual	Amt. Date	2.55 9/22/09	3.97 7/14/49	4.57 7/14/49	4.67 6/15/49	5.59 4/4/11	6.60 4/4-5/11

File No. 50028- \*Formerly Chattanooga WB City

U. S. WEATHER BUREAU

Station: CHATTANOOGA WB AP, TENNESSEE\*

Drainage basin: TENNESSEE

County: HAMILTON

Lat. 35° 02' N Long. 85° 12' W

Elev.(ft.) 676

Period of record: 1940-1950\*\*

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.83 7/1946	1.29x 7/1946	1.32 7/1946	1.59 1-2/1941	2.58 7/1946	4.44 x 4-5/1949
Feb.	Amt. Date	1.27 26/1944	1.41wx 26/1944	1.45wx 26/1944	1.97 12/1945	3.01 12-13/1945	3.93 11-12/1948
Mar.	Amt. Date	0.77 8/1946	1.14 12/1950	1.37 8/1946	1.81 8/1946	2.40 12/1950	3.73 12-13/1950
Apr.	Amt. Date	0.71 11/1944	1.40 11/1944	1.62 11/1944	2.56 11/1944	2.61 11/1944	3.07 11/1944
May	Amt. Date	0.92 15/1946	1.34 15/1946	1.57 12/1945	1.81 12-13/1945	1.81 12-13/1945	2.52 15-16/1946
Jun.	Amt. Date	2.23wx 15/1949	2.99wx 15/1949	3.99wx 15/1949	4.67 15/1949	4.84 15/1949	4.85 15/1949
Jul.	Amt. Date	2.29wx 14/1949	3.97wx 14/1949	4.57 14/1949	4.58 14/1949	4.62 13-14/1949	4.80 4-5/1941
Aug.	Amt. Date	2.24wx 5/1941	3.16wx 5/1941	3.53wx 5/1941	3.70 5-6/1941	3.70 5-6/1941	3.70 5-6/1941
Sep.	Amt. Date	1.65wx 13/1946	1.86wx 13/1946	1.94 13/1946	2.06 13/1946	3.18 7/1950	3.66 7-8/1950
Oct.	Amt. Date	1.20 24/1947	1.34 24/1947	1.35 24/1947	2.15 17/1949	2.29 17/1949	3.20 16-17/1949
Nov.	Amt. Date	0.97 19/1948	1.80 19/1948	1.93 19/1948	2.51 19/1948	3.21 19/1948	4.56 27-28/1948
Dec.	Amt. Date	0.84 28/1942	1.43 28/1942	2.04 28/1942	3.10 28/1942	4.42 27-28/1942	5.25x 27-28/1942
Annual	Amt. Date	2.29 7/14/49	3.97 7/14/49	4.57 7/14/49	4.67 6/15/49	4.84 6/15/49	5.25 12/27-28/42

File No. 50028- \*Formerly Chattanooga WB City

U. S. WEATHER BUREAU

Station: CONASAUGA, TENNESSEE

Drainage basin: OOSTANAULA

County: POLK

Lat. 35° 01'N Long. 84° 44'W

Elev.(ft) 800E

Period of record: 1947-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.51 19/1950	0.80 19/1950	0.91 19/1950	1.11 2/1949	1.51 19/1950	2.28 4-5/1949
Feb.	Amt. Date	0.52 12/1948	0.87 12/1948	0.91 12/1948	1.28 12/1948	2.31 11-12/1948	3.05 11-12/1948
Mar.	Amt. Date	1.06 31/1949	2.07 31/1949	2.30 31/1949	2.51 31/1949	2.53 30-31/1949	2.61 30-31/1949
Apr.	Amt. Date	0.97 11/1947	1.10 11/1947	1.12 11/1947	1.14 11/1947	1.19 8/1948	1.19 8/1948
May	Amt. Date	0.93 27/1950	1.17 28/1948	1.22 28/1948	1.23 28/1948	1.23 28/1948	2.23 27-28/1948
Jun.	Amt. Date	0.59 15/1949	0.77 11/1949	0.79 11/1949	0.95 21/1947	1.12 21/1947	1.70 21/1947
Jul.	Amt. Date	1.50 15/1949	2.08 15/1949	2.09 15/1949	2.09 15/1949	2.09 15/1949	2.30 15-16/1949
Aug.	Amt. Date	0.75a 1/1947	0.77 3/1948	0.80 3/1948	0.90 31/1949	0.94 3/1948	1.18 12-13/1947
Sep.	Amt. Date	0.97 8/1948	1.00 8/1948	1.51 9/1948	1.54 9/1948	1.91 5-6/1949	2.12 5-6/1949
Oct.	Amt. Date	0.91 30/1949	1.43 30/1949	1.94 30/1949	2.75 30/1949	3.79 30/1949	4.92 30/1949
Nov.	Amt. Date	0.86b 19/1948	1.55 19/1948	1.87 19/1948	2.91 19/1948	3.51 19/1948	4.25 28/1948
Dec.	Amt. Date	0.51 13/1949	0.74 13/1949	0.79 13/1949	1.03 15/1947	1.34 3/1950	1.37 3/1950
Annual	Amt. Date	1.50 7/15/49	2.08 7/15/49	2.30 3/31/49	2.91 11/19/48	3.79 10/30/49	4.92 10/30/49

File No. 50028-  
 a Also 3/1948  
 b Also 20/1950

U. S. WEATHER BUREAU

Station: COOKEVILLE, TENNESSEE

Drainage basin: CUMBERLAND

County: PUTNAM

Lat. 36° 09'N Long. 85° 31'W

Elev.(ft.) 1117

Period of record: 1942-1947

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.50 30/1947	0.77 30/1947	1.07 15/1947	1.46 15/1947	1.65 31-1/1945	2.47 31-1/1945
Feb.	Amt. Date	0.54 17/1944	0.94 17/1944	1.12 17/1944	1.82 21/1945	2.92 17/1944	3.22 16-17/1944
Mar.	Amt. Date	0.88 17/1945	1.20 6/1944	1.50 6/1944	2.19 6/1944	2.24 6/1944	2.24 <sup>a</sup> 18-19/1943
Apr.	Amt. Date	1.23 11/1944	1.40 11/1944	1.54 11/1944	1.55 11/1944	1.57 11/1944	1.94 11/1944
May	Amt. Date	1.17 11/1943	1.32 26/1942	1.44 26/1942	1.58 10/1945	1.74 10/1945	1.84 9-10/1945
Jun.	Amt. Date	1.22 30/1947	1.74 13/1943	1.74 13/1943	1.74 13/1943	1.74 13/1943	1.74 13/1943
Jul.	Amt. Date	0.94 6/1947	1.44 8/1946	1.54 8/1946	1.66 6/1947	1.77 6/1947	2.26 5-6/1947
Aug.	Amt. Date	1.44 22/1947	1.45 22/1947	1.77 31/1944	2.39 31/1944	2.53 30-31/1944	2.86 30-31/1944
Sep.	Amt. Date	1.35 9/1946	1.71 9/1946	1.79 9/1946	3.15 29/1944	5.13 29/1944	6.21 28-29/1944
Oct.	Amt. Date	0.38 25/1946	0.49 11/1946	0.50 31/1942	0.75 11/1946	1.23 25/1946	1.25 25/1946
Nov.	Amt. Date	0.42 10/1942	0.72 <sup>b</sup> 21-22/1942	1.02 21-22/1942	1.47 21-22/1942	2.16 10/1946	2.70 21-22/1942
Dec.	Amt. Date	0.61 15/1947	0.92 15/1947	1.19 15/1947	1.73 15/1947	2.06 27-28/1942	2.47 31-1/1944
Annual	Amt. Date	1.44 8/22/47	1.74 6/13/43	1.79 9/9/46	3.15 9/29/44	5.13 9/29/44	6.21 9/28-29/44

File No. 50028-

a Also 6/1944

b Also 10/1946

U. S. WEATHER BUREAU

Station: CUBA LANDING, TENNESSEE

Drainage basin: TENNESSEE

County: HUMPHREYS

Lat. 35° 52'N Long. 87° 53'W

Elev.(ft.) 444

Period of record: 1941-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.03 30/1947	1.46 15/1947	1.58 15/1947	2.30 15/1947	2.35 8/1946	2.78 31-1/1945
Feb.	Amt. Date	0.60 12/1948	1.15 12/1948	1.37 12/1948	1.78 12/1948	2.66 17/1944	4.65 12-13/1948
Mar.	Amt. Date	0.92 15/1948	1.65 15-16/1948	1.68 15-16/1948	1.96 6/1946	2.29a 18-19/1944	2.51 18-19/1944
Apr.	Amt. Date	0.95 8/1942	1.40 23/1944	1.85 23/1944	2.17 23/1944	2.98 8-9/1942	3.44 8-9/1942
May	Amt. Date	1.64 1/1949	1.72 1/1949	1.75 14/1947	1.84 1/1949	1.94 9-10/1945	2.29E 24-25/1943
Jun.	Amt. Date	1.12 25/1947	1.54 25/1947	1.54 25/1947	1.56 8/1945	1.56b 8/1945	2.05 8/1945
Jul.	Amt. Date	2.08 25/1942	2.29 25/1942	2.30 25/1942	2.38 25/1942	2.38 25/1942	2.38 25/1942
Aug.	Amt. Date	1.65 21/1947	1.89 25/1950	2.39 25/1950	2.60 25/1950	2.65 25/1950	2.76 24-25/1950
Sep.	Amt. Date	0.87 23/1946	1.41 23/1946	1.75 28-29/1944	2.55 28-29/1944	3.19 28-29/1944	3.33 28-29/1944
Oct.	Amt. Date	0.60 25/1946	1.23 30/1942	1.50 30/1942	2.28 30/1942	3.10 30/1942	3.10 30/1942
Nov.	Amt. Date	1.03 2/1945	1.56 2/1945	2.14 2/1945	3.39 2/1945	4.23 2-3/1945	4.80 18-19/1948
Dec.	Amt. Date	1.06 27/1942	1.42 27/1942	1.75 11-12/1949	2.52 27/1942	2.74 27/1942	3.20 11-12/1949
Annual	Amt. Date	2.08 7/25/42	2.29 7/25/42	2.39 8/25/50	3.39 11/2/45	4.23 11/2-3/45	4.80 11/18-19/48

File No. 50028-

a Also 25-26/1946

b Also 25-26/1947

U. S. WEATHER BUREAU

Station: DALE HOLLOW DAM, TENNESSEE

Drainage basin: CUMBERLAND

County: CLAY

Lat. 36° 32' N Long. 85° 27' W

Elev. (ft.) 520

Period of record: 1944-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.82 7/1946	1.47 7/1946	1.72 7/1946	2.28 6-7/1946	3.19 6-7/1946	4.49 6-7/1946
Feb.	Amt. Date	0.80 13/1946	1.05 26/1946	1.11 21/1945	1.99 21/1945	2.27 21/1945	3.32E 12-13/1948
Mar.	Amt. Date	1.06 16/1948	2.01 16/1948	2.75 16/1948	3.02 16/1948	3.06 16/1948	3.16 15-16/1948
Apr.	Amt. Date	0.52 13/1948	0.76 30/1947	0.76 30/1947	1.04 22/1949	1.04 22/1949	1.06 21-22/1949
May	Amt. Date	0.64 22/1949	0.76 21/1947	0.88 21/1947	1.00 21/1947	1.03 21/1947	1.47E 9-10/1945
Jun.	Amt. Date	1.13 30/1945	1.14 30/1945	1.18 14/1949	1.40 10/1950	2.27E 15/1949	4.54E 15-16/1949
Jul.	Amt. Date	1.22 18/1947	2.03 18/1947	2.28 18/1947	2.32 18/1947	2.32 18/1947	2.32 18/1947
Aug.	Amt. Date	1.61 6/1947	1.84 6/1947	1.90 6/1947	2.01 6/1947	2.02 6/1947	2.02 6/1947
Sep.	Amt. Date	0.66 7/1948	0.88 28/1944	1.28 28-29/1944	1.82 28-29/1944	2.62 28-29/1944	2.74 28-29/1944
Oct.	Amt. Date	0.57 1/1945	0.63 27/1947	0.85 1/1945	0.96 1-2/1945	1.26E 31/1949	2.51 31/1949
Nov.	Amt. Date	1.15 2/1945	1.52 2/1945	1.72 2/1945	2.45 2/1945	3.17 2/1945	3.58 10-11/1946
Dec.	Amt. Date	0.75 29/1946	0.87 16/1948	1.03 16/1948	1.20 28-29/1946	1.85 31-1/1947	2.46 15-16/1948
Annual	Amt. Date	1.61 8/6/47	2.03 7/18/47	2.75 3/16/48	3.02 3/16/48	3.19 1/6-7/46	4.54E 6/15-16/49

File No. 50028-

U.S. WEATHER BUREAU

Station: DICKSON, TENNESSEE

Drainage basin: CUMBERLAND

County: DICKSON

Lat. 36° 04'N Long. 87° 24'W

Elev.(ft.) 800

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.74 7/1946	1.37 6-7/1946	1.53 6-7/1946	2.13 6-7/1946	2.53 6-7/1946	2.93 31-1/1945
Feb.	Amt. Date	0.98 9/1950	1.76 8-9/1950	1.86 8-9/1950	1.92 8-9/1950	2.32 17/1944	4.27 12-13/1948
Mar.	Amt. Date	1.29 15/1948	2.49 15-16/1948	3.04 15-16/1948	3.17 18/1943	3.40 18-19/1943	3.75 18-19/1943
Apr.	Amt. Date	1.02 9/1942	1.50 23/1944	1.83 23/1944	2.55 23/1944	3.04 8-9/1942	3.49 8-9/1942
May	Amt. Date	1.33 14/1943	1.42 14/1943	1.48 7/1950	1.87 7/1950	2.32 9-10/1945	3.44 6-7/1950
Jun.	Amt. Date	1.25 26/1942	1.69 26/1942	1.74 26/1942	2.28 14/1949	3.72 14/1949	4.11 14/1949
Jul.	Amt. Date	1.40 3/1941	1.99 3/1941	1.99 3/1941	2.11 3/1941	2.90 3-4/1941	3.03 3-4/1941
Aug.	Amt. Date	1.33 15/1944	1.81 29/1940	2.02 15/1944	2.12 15/1944	2.12 15/1944	2.80 15/1944
Sep.	Amt. Date	0.61 29/1944	1.14 29/1944	1.55 28-29/1944	2.20 28-29/1944	2.63 28-29/1944	2.68 28-29/1944
Oct.	Amt. Date	0.88 16/1949	1.10 5/1944	1.35 31/1940	1.89 30-31/1942	2.48 30-31/1942	2.75 39-31/1942
Nov.	Amt. Date	1.81 2/1945	2.10 2/1945	2.63 2/1945	3.56 2/1945	4.57 2-3/1945	4.62 2-3/1945
Dec.	Amt. Date	0.77 15/1948	1.03 27/1942	1.52 27/1942	2.20 27/1942	2.54 27/1942	2.93 31-1/1944
Annual	Amt. Date	1.81 11/2/45	2.49 3/15-16/48	3.04 3/15-16/48	3.56 11/2/45	4.57 11/2-3/45	4.62 11/2-3/45

File No. 50028-



U. S. WEATHER BUREAU

Station: DOUBLE SPRINGS GAP, TENNESSEE

Drainage basin: OOSTANAULA

County: POLK

Lat. 34° 59' N Long. 84° 34' W

Elev.(ft.) 2000E

Period of record: 1948-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.58 19/1950	0.71 27/1950	0.86 19/1950	1.06 21-22/1949	1.92 19/1950	1.99 4-5/1949
Feb.	Amt. Date	0.38 15/1949	0.59 7/1950	0.84 7/1950	1.26 7/1950	1.30 7/1950	1.66 15-16/1949
Mar.	Amt. Date	1.00 12/1950	1.49 31/1949	1.65 31/1949	2.19 12-13/1950	3.15 12-13/1950	4.31 12-13/1950
Apr.	Amt. Date	0.58 4/1950	0.93 4/1950	1.00 4/1950	1.04 4/1950	1.08a 8/1948	1.08a 8/1948
May	Amt. Date	1.02 27/1950	1.27 27/1950	1.28 27/1950	1.30 27-28/1950	1.35 27-28/1950	1.35 27-28/1950
Jun.	Amt. Date	0.65 14/1948	0.72 4/1950	0.77 4/1950	0.91 4/1950	1.06 3-4/1950	1.07 3-4/1950
Jul.	Amt. Date	1.87 6/1949	2.08 6/1949	2.19 6/1949	2.19 6/1949	2.19 6/1949	2.56 6-7/1949
Aug.	Amt. Date	0.96 31/1949	1.76 31/1949	1.86 31/1949	2.27 31/1949	2.37 31/1949	3.22 31/1949
Sep.	Amt. Date	1.02 1/1950	1.27 1/1950	1.32 1/1950	1.38 1/1950	1.78 5-6/1949	1.85 5-6/1949
Oct.	Amt. Date	1.59 6/1949	2.38 6/1949	2.39 6/1949	2.40 6/1949	3.41 30/1949	4.90 30-31/1949
Nov.	Amt. Date	0.79 19/1948	1.14 19/1948	1.65 19/1948	2.21 19/1948	3.43 28/1948	3.95 28/1948
Dec.	Amt. Date	0.43 16/1948	0.57 16/1948	0.70 16/1948	0.95 3/1950	1.25 3/1950	1.35 2-3/1950
Annual	Amt. Date	1.87 7/6/49	2.38 10/6/49	2.39 10/6/49	2.40 10/6/49	3.43 11/28/48	4.90 10/30-31/49

File No. 50028- a Also 4/1950

U. S. WEATHER BUREAU

Station: DUCKTOWN, TENNESSEE

Drainage basin: HIWASSEE

County: POLK

Lat. 35° 02' N Long. 84° 24' W

Elev.(ft.) 1600

Period of record: 1948-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.55 19/1950	0.76 19/1950	0.86 19/1950	1.34 4-5/1949	1.90 4-5/1949	3.31 4-5/1949	
Feb.	0.45 7/1950	0.70 7/1950	0.95 7/1950	1.17 7/1950	1.19 7/1950	1.54 6-7/1950	
Mar.	0.83 12/1950	1.13 12/1950	1.37 12/1950	2.23 12-13/1950	3.26 12-13/1950	4.43 12-13/1950	
Apr.	0.59 28/1949	0.91 28/1949	1.00 28/1949	1.25 28/1949	1.52 28/1949	1.69 28/1949	
May	0.78 27/1950	0.87 27/1950	0.90 27/1950	1.39 27/1950	1.41 30/1950	1.49 30/1950	
Jun.	0.78 4/1950	0.98 4/1950	1.16 4/1950	1.22 15-16/1949	1.40 3-4/1950	1.51 15-16/1949	
Jul.	2.09 6/1949	2.20 6/1949	2.20 6/1949	2.21 6/1949	2.24 6/1949	2.67 26-27/1950	
Aug.	0.72 27/1950	1.10 27/1950	1.05 27/1950	1.25 27/1950	1.86 2-3/1949	2.04 2-3/1949	
Sep.	0.53 6/1949	0.97 6/1949	1.34 6/1949	2.00 5-6/1949	2.55 5-6/1949	2.65 5-6/1949	
Oct.	1.97 6/1949	3.58 6/1949	3.66 6/1949	3.66 6/1949	3.87 30/1949	6.02 30-31/1949	
Nov.	0.90 19/1948	1.36 19/1948	1.37 19/1948	2.34 19/1948	3.80 28/1948	4.35 28/1948	
Dec.	0.48 16/1948	0.57 16/1948	0.62 16/1948	0.85 6/1950	1.27 6-7/1950	1.41 6-7/1950	
Annual	2.09 7/6/49	3.58 10/6/49	3.66 10/6/49	3.66 10/6/49	3.87 10/30/49	6.02 10/30-31/49	

File No. 50028-

U. S. WEATHER BUREAU

Station: DYERSBURG, TENNESSEE

Drainage basin: MISSISSIPPI

County: DYER

Lat. 36° 02'N Long. 89° 23'W

Elev.(ft.) 310

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.60 10/1950	0.82 4/1949	1.23 4/1949	2.01 4/1949	2.24 2/1950	3.30 8/1946
Feb.	Amt. Date	0.63 17/1944	0.94 12/1950	1.12 12/1950	2.39 12-13/1950	2.80 12-13/1950	3.28 12-13/1950
Mar.	Amt. Date	0.99 26/1949	1.47 30/1945	1.78 30/1945	2.05 30/1945	2.87 30/1945	2.87 30/1945
Apr.	Amt. Date	0.84 30/1947	1.12 3/1950	1.16 3/1950	1.79 1/1945	2.36 1-2/1945	2.57 1-2/1945
May	Amt. Date	1.92 27/1950	1.93 27/1950	1.95 27/1950	1.98 27/1950	1.99 27/1950	2.01 27-28/1950
Jun.	Amt. Date	1.60 20/1950	1.88 20/1950	2.23 20/1950	2.69 20-21/1950	2.74 14/1949	3.93 14-15/1949
Jul.	Amt. Date	1.24 30/1944	1.51 31/1943	1.99 19-20/1950	2.53 19-20/1950	3.50 31-1/1943	3.52 31-1/1943
Aug.	Amt. Date	1.89 24/1950	3.45 24/1950	4.02 24-25/1950	4.13 24-25/1950	4.27 24-25/1950	4.79 24-25/1950
Sep.	Amt. Date	1.31 30/1945	1.98 30/1945	2.16 30-1/1945	2.37 30-1/1945	2.96 30-1/1945	3.16 30-1/1945
Oct.	Amt. Date	1.02 27/1947	1.49 30-1/1945	2.16 30-1/1945	2.88 27/1945	3.33 26-27/1947	3.50 26-27/1947
Nov.	Amt. Date	0.88 21/1942	1.01 21/1942	1.06 5/1948	2.06 5/1948	2.30 5/1948	2.30 5/1948
Dec.	Amt. Date	1.18 28/1946	1.43 28/1946	1.48 28/1946	1.66 25/1944	2.09 24/1948	2.20 24-25/1944
Annual	Amt. Date	1.92 5/27/50	3.45 8/24/50	4.02 8/24-25/50	4.13 8/24-25/50	4.27 8/24-25/50	4.79 8/24-25/50

File No. 50028-

U.S. WEATHER BUREAU

Station: FORT LOUDON DAM, TENNESSEE

Drainage basin: TENNESSEE

County: LOUDON

Lat. 35° 48'N Long. 84° 15'W

Elev.(ft.) 880

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.71 7/1946	1.18 7/1946	1.51 7/1946	2.68 7/1946	3.45 7/1946	4.35 6-7/1946
Feb.	Amt. Date	0.81 4/1943	0.96 4/1943	1.53 4/1943	2.19 4/1943	2.93 3-4/1943	3.19 3-4/1943
Mar.	Amt. Date	0.51a 16/1943	0.91 17/1949	1.00b 17/1949	1.15 8/1946	1.54 17/1949	1.70 19/1944
Apr.	Amt. Date	0.81 23/1941	1.12 23/1941	1.42 23/1941	1.92 23-24/1941	2.59 23-24/1941	2.76 23-24/1941
May	Amt. Date	1.15 17/1945	1.45 17/1945	1.51 17/1945	1.53 17/1945	1.99 27/1948	1.99 27/1948
Jun.	Amt. Date	1.35 25/1941	1.35 25/1941	1.73 8/1945	1.98 8/1945	1.99 8/1945	2.47 7-8/1945
Jul.	Amt. Date	2.07 2/1946	3.27 2/1946	3.31 2/1946	3.33 2/1946	3.36 2/1946	4.17 17-18/1949
Aug.	Amt. Date	1.10 23/1942	1.30 23/1942	1.30 23/1942	1.64 3/1942	1.72 3-4/1942	1.78 3-4/1942
Sep.	Amt. Date	0.61 9/1942	0.99 29/1944	1.43 29/1944	2.22 29/1944	3.90 29/1944	6.49 28-29/1944
Oct.	Amt. Date	0.66 27/1941	1.03 30/1940	1.18 30/1940	1.70 17/1949	2.15 17/1949	2.37 16-17/1949
Nov.	Amt. Date	0.58 19/1945	0.99 28/1948	1.47 28/1948	2.15 28/1948	3.10 28/1948	4.10 28/1948
Dec.	Amt. Date	0.64 1/1942	0.97 1/1942	1.24 1/1942	1.97 1/1942	2.86 1/1942	2.91 1/1942
Annual	Amt. Date	2.07 7/2/46	3.27 7/2/46	3.31 7/2/46	3.33 7/2/46	3.90 9/29/44	6.49 9/28-29/44

File No. 50028- a Also 17/1949  
b Also 27/1950



U. S. WEATHER BUREAU

Station: HARRIMAN, TENNESSEE

Drainage basin: CLINCH

County: ROANE

Lat. 35° 56'N Long. 84° 33'W

Elev.(ft.) 810

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.61 20/1947	1.03 30/1950	1.65 5/1949	1.80 30/1950	2.54a 7/1946	3.74 29-30/1950
Feb.	Amt. Date	0.75 25/1944	1.00 13/1948	1.29 13/1948	2.20 12-13/1948	2.78 12-13/1948	4.32 12-13/1948
Mar.	Amt. Date	1.00 27/1944	1.41 26-27/1944	1.45 26-27/1944	1.91 26-27/1944	2.19 26-27/1944	2.21 26-27/1944
Apr.	Amt. Date	1.12 16/1945	1.86 16/1945	2.24 16/1945	3.32 16/1945	3.34 16-17/1945	3.38 3-4/1941
May	Amt. Date	1.70 20/1943	1.95 20/1943	2.10 17/1947	2.28 16-17/1947	2.34 16-17/1947	2.37 16-17/1947
Jun.	Amt. Date	1.35 16/1946	1.38 16/1946	1.40 16/1946	1.54 24/1949	1.54 24/1949	1.88 1-2/1946
Jul.	Amt. Date	1.19 10/1941	1.80 10/1941	1.80 10/1941	1.80 10/1941	2.05 4/1941	3.68 4-5/1941
Aug.	Amt. Date	1.98 1/1941	2.05 1/1941	2.06 1/1941	2.06 1/1941	2.07 29/1940	2.10 29-30/1940
Sep.	Amt. Date	0.95 3/1943	1.40 28/1944	1.58 29/1944	2.53 29/1944	4.35 29/1944	7.13 28-29/1944
Oct.	Amt. Date	0.79 12/1949	1.01 9-10/1941	1.16 9-10/1941	1.65 9-10/1941	1.70b 9-10/1941	1.99 5-6/1945
Nov.	Amt. Date	0.80 20/1950	1.20 20/1950	1.57 28/1948	2.35 28/1948	2.97 28/1948	3.95 28-29/1948
Dec.	Amt. Date	0.51 3/1950	0.76 12/1949	1.07 28/1942	1.62c 28/1942	2.80 27-28/1942	3.72 27-28/1942
Annual	Amt. Date	1.98 8/1/41	2.05 8/1/41	2.24 4/16/45	3.32 4/16/45	4.35 9/29/44	7.13 9/28-29/40

File No. 50028- a Also 5/1949  
 b Also 17/1949  
 c Also 12-13/1949

U.S. WEATHER BUREAU

Station: HAW KNOB, TENNESSEE\*

Drainage basin: LITTLE TENNESSEE

County: MONROE

Lat. 35° 19'N Long. 84° 02'W

Elev.(ft.) 4900

Period of record: 1940-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.64 30/1947	0.84 19/1950	1.04 18-19/1950	1.51 15/1947	2.58 18-19/1950	2.92 18-19/1950	
Feb.	0.75 13/1946	1.06 17/1945	1.34 17/1945	1.89 17/1945	2.39 12-13/1945	2.63 3-4/1943	
Mar.	0.97 27/1944	1.19 27/1950	1.41 19/1949	2.01 12-13/1950	2.56 19/1944	4.34 12-13/1950	
Apr.	0.96 16/1945	1.25 16-17/1945	1.50 16-17/1945	1.90 28/1945	2.00 28/1945	2.16 27-28/1949	
May	1.30 30/1944	1.67 22/1949	1.68 22/1949	1.81 21/1947	2.10 22/1949	2.33 27-28/1950	
Jun.	1.28 29/1942	1.52 E 4/1950	1.95 E 4/1950	2.60 4/1950	3.03 4/1950	3.70 3-4/1950	
Jul.	1.59 11/1949	1.96 11/1949	2.03 11/1949	2.48 11-12/1949	2.66 E 11-12/1949	3.54 11-12/1949	
Aug.	1.20 20/1949	1.46 20/1949	1.67 29/1940	2.15 29/1946	2.41 29/1946	4.27 13-14/1940	
Sep.	1.10 6/1942	1.53 6/1942	1.88 29/1944	2.64 29/1944	2.87 29-30/1944	4.36 29-30/1944	
Oct.	1.24 27/1941	1.65 27/1941	1.75 27/1941	2.15 30-31/1949	3.48 30/1949	5.91 30-31/1949	
Nov.	1.05 19/1945	1.51 19/1945	1.56 19/1945	1.88 19/1945	2.28 28/1948	2.73 28-29/1948	
Dec.	0.61 4/1945	1.05 28/1942	1.29 28/1942	2.04 28/1942	2.55 28/1942	3.72 28-29/1942	
Annual	1.59 7/11/49	1.96 7/11/49	2.03 7/11/49	2.64 9/29/44	3.48 10/30/49	5.91 10/30-31/49	

File No. 50028- \*Formerly Tellico Plains

U. S. WEATHER BUREAU

Station: HUMBOLDT, TENNESSEE

Drainage basin: MISSISSIPPI

County: GIBSON

Lat. 35° 50'N Long. 88° 55'W

Elev.(ft.) 430

Period of record: 1940-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.97 30/1950	1.07 30/1950	1.30 15/1947	1.80 8/1946	2.44 8/1946	3.00 8/1946	
Feb.	0.50 17/1944	0.96 17/1944	1.35 17/1944	2.19 17/1944	2.83 17/1944	2.88 16-17/1944	
Mar.	0.87 18/1943	1.27 18/1943	1.67a 18/1943	2.40 18/1943	3.34 18-19/1944	3.42 18-19/1944	
Apr.	1.29 20/1945	1.40 20/1945	1.54 10/1949	2.01 19-20/1941	2.10 19-20/1941	2.10 19-20/1941	
May	2.03 24/1943	2.68 24/1943	2.97 24/1943	3.18 23-24/1943	3.21 23-24/1943	3.21 23-24/1943	
Jun.	0.95 26/1947	1.28 11/1949	1.41 11/1949	1.65 17/1945	1.73 14/1949	3.26 14-15/1949	
Jul.	1.36 26/1943	1.71 26/1943	2.17 5/1946	3.01 5/1946	3.20 5/1946	3.29 4-5/1946	
Aug.	1.45 25/1950	1.59 9/1940	2.11 24-25/1950	3.15 24-25/1950	3.24 24-25/1950	3.32E 24-25/1950	
Sep.	1.54 4/1943	1.55 4/1943	1.65 6/1943	2.28 28/1944	3.67 28-29/1944	3.67 28-29/1944	
Oct.	1.30 8/1949	2.11 8/1949	2.16 8/1949	2.17 8/1949	2.60 30/1942	3.02 30/1942	
Nov.	1.19 5/1948	1.67 5/1948	1.70 5/1948	2.79 5/1948	3.23 5/1948	3.25 5/1948	
Dec.	1.65 11/1949	2.05 11/1949	2.81 11/1949	3.20 11-12/1949	3.30 11-12/1949	5.29 11/1949	
Annual	2.03 5/24/43	2.68 5/24/43	2.97 5/24/43	3.20 12/11-12/49	3.67 9/28-29/44	5.29 12/11/49	

File No. 50028- a Also 30/1949



U. S. WEATHER BUREAU

Station: ISABELLA, TENNESSEE

Drainage basin: HIWASSEE

County: POLK

Lat. 35 02'N Long. 84 22'W

Elev.(ft.) 1780

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.09 15/1947	1.37 15/1947	1.37 15/1947	1.71 14-15/1947	2.48 19-20/1947	3.05 19-20/1947
Feb.	Amt. Date	1.28 17/1945	1.47 17/1945	1.60 17/1945	1.72 17/1945	2.28 12-13/1945	3.13 9-10/1946
Mar.	Amt. Date	0.91 28/1944	1.72 28/1944	2.14 28/1944	2.52 28/1944	3.11 12-13/1950	4.29 12-13/1950
Apr.	Amt. Date	1.67 28/1949	1.98 28/1949	2.14 28/1949	2.48 28/1949	2.69 28/1949	3.02 28/1949
May	Amt. Date	0.71 27/1950	0.83 12-13/1945	1.19 12-13/1945	1.72 12-13/1945	1.72 12-13/1945	1.93 12-13/1945
Jun.	Amt. Date	1.55 28/1943	1.74 28/1943	1.85 28/1943	1.93 28/1943	1.95a 28-29/1943	3.32 28-29/1943
Jul.	Amt. Date	1.20 2/1946	1.58 2/1946	1.82 27/1950	2.05 26/1943	2.24 27/1950	2.77 1-2/1946
Aug.	Amt. Date	2.03 22/1945	2.15 22/1945	2.15 22/1945	2.15 22/1945	2.52 2-3/1949	2.76 2-3/1949
Sep.	Amt. Date	0.70 6/1947	1.15 29/1944	1.46 29/1944	1.93 29/1944	2.56 5-6/1949	2.79 19-20/1943
Oct.	Amt. Date	1.96 6/1949	3.32 6/1949	3.36 6/1949	3.36 6/1949	4.31 30/1949	5.82 30/1949
Nov.	Amt. Date	1.06 19/1948	1.19 19/1948	1.21 19/1948	2.06 28/1948	3.88 28/1948	4.38 28/1948
Dec.	Amt. Date	0.43 3/1950	0.66 15/1947	0.89 15/1947	1.14 15/1947	1.45 3/1950	2.17 3-4/1945
Annual	Amt. Date	2.03 8/22/45	3.32 10/6/49	3.36 10/6/49	3.36 10/6/49	4.31 10/30/49	5.82 10/30/49

File No. 50028- . a Also 14/1946

U.S. WEATHER BUREAU

Station: JEFFERSON CITY, TENNESSEE

Drainage basin: HOLSTON

County: JEFFERSON

Lat. 36° 06'N Long. 83° 32'W

Elev.(ft.) 1200

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.56 6/1946	0.73 6/1946	0.90 6/1946	1.24 7/1946	1.72 7/1946	2.80 29-30/1950
Feb.	Amt. Date	0.56 17/1944	0.89 17/1944	1.25 17/1945	1.99 17/1945	2.47 4/1943	2.66 3-4/1943
Mar.	Amt. Date	0.67 18/1949	0.96 18/1949	1.06 18/1949	1.28 8/1946	1.48 17-18/1949	1.50 17-18/1949
Apr.	Amt. Date	0.58 8/1943	0.79 29/1950	0.81 29/1950	1.00 16-17/1945	1.33 13-14/1948	1.52 13-14/1948
May	Amt. Date	0.98 19/1942	1.73 19/1942	1.75 19/1942	1.75 19/1942	2.22 19-20/1942	3.07 19-20/1942
Jun.	Amt. Date	1.16 14/1943	1.24 14/1943	1.25 14/1943	1.55 28/1940	1.70 16/1949	1.75 15-16/1949
Jul.	Amt. Date	1.18 25/1946	1.33 25/1946	1.39 25/1946	1.41 14/1941	1.41 14/1941	2.14E 4-5/1941
Aug.	Amt. Date	1.49 24/1947	1.70 24/1947	2.05 24/1947	2.59 23/1945	2.66 23-24/1945	2.81 23-24/1945
Sep.	Amt. Date	1.46 18/1942	1.47 18/1942	1.53 18/1942	2.70 29/1944	4.71 29/1944	6.80 28-29/1944
Oct.	Amt. Date	0.45a 28/1940	0.81 22/1942	1.03 22-23/1942	1.27 22-23/1942	1.39 8/1946	1.84 30-31/1949
Nov.	Amt. Date	0.71 1/1943	0.98 28/1948	1.28 28/1948	2.08 28/1948	2.68 28/1948	4.09 28-29/1948
Dec.	Amt. Date	0.41 1/1942	0.78 1/1942	0.94 1/1942	1.11 1/1942	1.65 1/1942	2.04 4-5/1945
Annual	Amt. Date	1.49 8/24/47	1.73 5/19/42	2.05 8/24/47	2.70 9/29/44	4.71 9/29/44	6.80 8/23-24/45

File No. 50028- a Also 22/1942

U. S. WEATHER BUREAU

Station: JOHNSON CITY, TENNESSEE

Drainage basin: HOLSTON

County: WASHINGTON

Lat. 36° 18' N Long. 82° 22' W

Elev.(ft.) 1700

Period of record: 1949-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.50 19/1950	0.62 19/1950	0.68 19/1950	0.80 19/1950	1.41 19/1950	2.01 18-19/1950	
Feb.	0.25 9/1950	0.42 9/1950	0.57 9/1950	1.00 9/1950	1.00 9/1950	1.10 9/1950	
Mar.	0.45 27/1950	0.75 27/1950	0.95 27/1950	1.30 27/1950	1.30 27/1950	1.40 27-28/1950	
Apr.	0.35 4/1950	0.65 4/1950	0.85 4/1950	1.00 4/1950	1.00 4/1950	1.20 4/1950	
May	0.20 1/1950	0.40 2/1950	0.58 11/1950	1.00 11/1950	1.65 11/1950	2.90 11-12/1950	
Jun.	0.20 25/1950	0.40 25/1950	0.55 25/1950	0.70 25/1950	0.80 4/1950	0.95 25-26/1950	
Jul.	1.80 7/1949	1.90 7/1949	2.00 7/1949	2.00 7/1949	2.00 7/1949	2.00 7/1949	
Aug.	0.75 20/1949	0.75 20/1949	0.75 20/1949	0.75 17/1949	0.85 20/1949	1.21 16-17/1949	
Sep.	0.62 16/1949	1.00 16/1949	1.00 16/1949	1.00 16/1949	1.06 21-22/1950	1.14 21-22/1950	
Oct.	0.30 30/1949	0.50 30/1949	0.58 30/1949	0.84 30/1949	0.98 30/1949	1.65 30-31/1949	
Nov.	0.35 24/1949	0.65 24/1949	0.78 24/1949	0.93 24/1949	0.93 24/1949	0.93 24/1949	
Dec.	0.40 3/1950	0.80 3/1950	1.00 3/1950	1.26 3/1950	2.17 7/1950	2.17 7/1950	
Annual	1.80 7/7/49	1.90 7/7/49	2.00 7/7/49	2.00 7/7/49	2.17 12/3/50	2.90 5/11-12/50	

File No. 50028-

U. S. WEATHER BUREAU

Station: JOHNSONVILLE, TENNESSEE

Drainage basin: TENNESSEE

County: HUMPHREYS

Lat. 36° 01'N Long. 87° 59'W

Elev.(ft.) 390

Period of record: 1949-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.68 30/1950	0.93 30/1950	1.19 30/1950	1.61 30/1950	1.81 30-31/1950	2.46 30-31/1950
Feb.	Amt. Date	0.70 8/1950	1.20 8/1950	1.28 8-9/1950	1.28 8-9/1950	2.39 13/1950	2.31 13-14/1950
Mar.	Amt. Date	0.40 7/1950	0.68 7/1950	0.87 27/1950	1.08 27/1950	1.31 12-13/1950	1.44 12-13/1950
Apr.	Amt. Date	0.34 29/1950	0.65 29/1950	0.66 29/1950	0.68 29/1950	0.70 29/1950	0.77 29/1950
May	Amt. Date	0.55 6/1950	0.65 6/1950	1.06 6/1950	1.15 6/1950	1.44 6/1950	2.11 6-7/1950
Jun.	Amt. Date	0.44 3/1950	0.63 3/1950	1.00 3/1950	1.34 3/1950	1.94 3/1950	2.34 2-3/1950
Jul.	Amt. Date	0.89 5/1950	1.02 5/1950	1.12 23/1950	1.33 23/1950	1.33 23/1950	1.65 23-24/1950
Aug.	Amt. Date	0.81 25/1950	1.52 24-25/1950	2.03 24-25/1950	2.62 24-25/1950	2.79 24-25/1950	3.14 24-25/1950
Sep.	Amt. Date	0.44 1/1950	0.51 15/1949	0.55 15/1949	0.64 7/1950	0.89 7-8/1950	1.39 2-3/1950
Oct.	Amt. Date	0.66 5/1949	1.08 22/1950	1.27 22/1950	1.33 22/1950	1.39 21-22/1950	1.55 22/1950
Nov.	Amt. Date	0.48 20/1950	0.78 20/1950	0.82 20/1950	1.00 20/1950	1.00 20/1950	1.51 19-20/1950
Dec.	Amt. Date	1.20 11/1949	2.10 11/1949	2.50 11/1949	3.29 11-12/1949	3.65 11-12/1949	3.96 11/1949
Annual	Amt. Date	1.20 12/11/49	2.10 12/11/49	2.50 12/11/49	3.29 12/11-12/49	3.65 12/11-12/49	3.96 12/11/49

File No. 50028-

U.S. WEATHER BUREAU

Station: KNOXVILLE, TENNESSEE

Drainage basin: TENNESSEE

County: KNOX

Lat. 35° 58'N Long. 83° 55'W

Elev.(ft.) 974

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.68 30/1950	1.12 30/1950	1.30 7/1946	2.10 7/1946	2.72 7/1946	3.67 <sup>a</sup> 6-7/1946
Feb.	Amt. Date	0.62 <sup>b</sup> 17/1945	1.17 13/1948	1.42 17/1945	2.10 17/1945	2.67 4/1943	2.89 3-4/1943
Mar.	Amt. Date	0.52 18/1949	0.92 18/1949	1.06 18/1949	1.14 8/1946	1.35 19/1944	1.58 19/1944
Apr.	Amt. Date	0.79 28/1949	1.46 27-28/1949	2.01 27-28/1949	2.70 27-28/1949	3.32 27-28/1949	3.59 27-28/1949
May	Amt. Date	0.74 6/1948	0.90 6/1948	0.96 6/1948	1.16 10/1945	1.21 10/1945	1.41 12-13/1945
Jun.	Amt. Date	1.34 8/1945	2.21 8/1945	2.34 8/1945	3.43 8/1945	3.50 8/1945	3.88 7-8/1945
Jul.	Amt. Date	1.35 2/1946	2.56 21/1946	2.73 21/1946	2.79 21/1946	2.85 21-22/1946	3.00 17-18/1949
Aug.	Amt. Date	1.41 13/1944	1.50 5/1943	1.53 5/1943	1.56 4-5/1943	1.57 4-5/1943	2.50 6-7/1945
Sep.	Amt. Date	0.75 29/1944	1.20 29/1944	1.58 29/1944	2.89 29/1944	4.50 29/1944	7.24 28-29/1944
Oct.	Amt. Date	0.77 6/1944	1.40 6/1944	1.40 6/1944	1.49 8/1946	1.85 8/1946	1.98 8-9/1946
Nov.	Amt. Date	0.83 28/1948	1.32 28/1948	1.79 28/1948	2.65 28/1948	3.29 28/1948	4.70 28-29/1948
Dec.	Amt. Date	0.54 29/1946	0.72 1/1942	0.98 1/1942	1.32 1/1942	2.12 1/1942	2.20 4/1945
Annual	Amt. Date	1.41 8/13/44	2.56 7/21/46	2.73 7/21/46	3.43 6/8/45	4.50 9/29/44	7.24 9/28-29/44

File No. 50028-

a Also 29-30/1950.  
b Also 13/1948.

U. S. WEATHER BUREAU

Station: KNOXVILLE WB AP, TENNESSEE\*

Drainage basin: TENNESSEE

County: BLOUNT

Lat. 35° 49'N Long. 83° 59'W

Elev.(ft.) 949

Period of record: 1940-1950\*\*

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.78x 7/1946	1.22 7/1946	1.72 7/1946	2.84 7/1946	3.44 7/1946	3.89 6-7/1946
Feb.	Amt. Date	0.53 25/1944	0.76 4/1943	1.00 4/1943	1.49 4/1943	2.31 12-13/1945	2.41 12-13/1945
Mar.	Amt. Date	0.50 19/1943	0.90 18/1949	1.03 18/1949	1.36 8/1946	1.49 17-18/1949	1.66 17-18/1949
Apr.	Amt. Date	0.59 11/1944	0.92 16-17/1945	1.04 24/1941	1.87 23-24/1941	2.35 23-24/1941	2.48 23-24/1941
May	Amt. Date	0.78 16/1946	0.87 16/1946	1.17 20/1942	1.67 20/1942	2.01 19-20/1942	2.23 19-20/1942
Jun.	Amt. Date	1.25 13/1946	1.58 13/1946	2.24 13-14/1946	2.24 13-14/1946	2.32 13-14/1946	2.37 13-14/1946
Jul.	Amt. Date	1.41 8/1942	1.47 4/1943	1.61 4/1943	2.70 8-9/1942	3.59 8-9/1942	4.67 8-9/1942
Aug.	Amt. Date	1.52 3/1942	2.25 3/1942	2.86 3/1942	3.07 3-4/1942	3.07 3-4/1942	3.09 3-4/1942
Sep.	Amt. Date	0.93 28/1944	0.98 28/1944	1.08 29/1944	1.70 29/1944	2.94 29/1944	5.08 28-29/1944
Oct.	Amt. Date	0.93 16/1949	1.12 16/1949	1.22 16/1949	1.44 22/1945	1.82 22/1945	2.17 30-31/1949
Nov.	Amt. Date	0.62X 28/1948	1.18x 28/1948	1.57 28/1948	2.38 28/1948	3.02 28/1948	4.05 28-29/1948
Dec.	Amt. Date	0.43 23/1941	0.75a 1/1942	1.02 29/1946	1.20 29/1946	1.79 1/1942	2.39 24-25/1948
Annual	Amt. Date	1.52 8/3/42	2.25 8/3/42	2.86 8/3/42	3.07 8/3-4/42	3.59 7/8-9/42	5.08 9/28-29/44

File No. 50028

U. S. WEATHER BUREAU

Station: KNOXVILLE WB AP, TENNESSEE\*

Drainage basin: TENNESSEE

County: BLOUNT

Lat. 35° 49' N Long. 83° 59' W

Elev.(ft.) 949

Period of record: 1897-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.78x 7/1946	1.22 7/1946	1.72 7/1946	2.84 7/1946	3.44 7/1946	3.89 6-7/1946
Feb.	Amt. Date	0.96x 7/1904	1.22x 28/1903	1.37 9/1937	1.72 8/1911	2.36 27-28/1903	3.34 2-3/1939
Mar.	Amt. Date	0.75x 24/1936	1.14x 24/1936	1.35 12/1920	2.00 5-6/1939	2.54 28/1912	2.93 18-19/1899
Apr.	Amt. Date	1.09wx 6/1936	1.32wx 5-6/1936	1.50wx 5-6/1936	2.01 25/1932	2.80 1-2/1920	3.11 7-8/1903
May	Amt. Date	0.92wx 25/1900	1.21 24/1938	1.68 24/1938	3.12 23-24/1938	3.12 23-24/1938	3.12 23-24/1938
Jun.	Amt. Date	2/51 12/1929	2.73wx 12/1929	2.79 12-13/1929	2.81 12-13/1929	3.44 12-13/1929	3.44 12-13/1929
Jul.	Amt. Date	3.52wx 8/1939	3.57 8-9/1939	3.82 16/1917	4.44 16/1917	5.60 16/1917	6.20 15-16/1917
Aug.	Amt. Date	2.41wx 13/1934	2.64wx 13/1934	2.86 3/1942	3.07 3-4/1942	3.07 3-4/1942	3.09 3-4/1942
Sep.	Amt. Date	1.63 3/1898	2.83wx 2-3/1898	3.97wx 2-3/1898	4.88 2-3/1898	5.07 2-3/1898	5.68 2-3/1898
Oct.	Amt. Date	1.53x 15/1935	1.62x 15/1935	1.62 15/1935	1.77 14/1925	3.06 14/1925	3.52 14-15/1925
Nov.	Amt. Date	1.26x 17/1903	1.50x 17/1903	1.60 17/1903	2.38 28/1948	3.31 12/1935	4.06 28-29/1948
Dec.	Amt. Date	0.89wx 14/1901	1.33x 14/1901	1.59 14/1901	2.37 14/1901	3.39 14/1901	3.46 13-14/1901
Annual	Amt. Date	3.52 7/8/39	3.57 7/8-9/39	3.97 9/2-3/98	4.88 9/2-3/98	5.60 7/16/17	6.20 7/15-16/17

File No. 50028-\* Formerly Knoxville WB City

U.S. WEATHER BUREAU

Station: LANTANA, TENNESSEE

Drainage basin: CLINCH

County: CUMBERLAND

Lat. 35° 53' N Long. 85° 05' W

Elev.(ft.) 1910

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.94 17/1943	0.97 17/1943	1.28 30/1950	1.75 30/1950	2.25 30/1950	4.29 29-30/1950
Feb.	Amt. Date	0.59 13/1948	1.01 13/1948	1.30 13/1948	2.22 12-13/1948	2.83 12-13/1948	4.47 12-13/1948
Mar.	Amt. Date	0.80 16/1942	0.93 16/1942	1.44 16/1942	1.59 16-17/1942	1.98 16/1948	1.98 16/1948
Apr.	Amt. Date	1.55 6/1948	1.97 6/1948	1.98 6/1948	1.98 6/1948	2.57 3-4/1941	2.67 3-4/1941
May	Amt. Date	1.11 20/1942	1.28 20/1942	1.29 20/1942	1.68 6/1950	2.27 12/1950	2.35 12/1950
Jun.	Amt. Date	1.38 15/1943	1.43 15/1943	1.46 15/1943	1.46 15/1943	1.71 15/1949	2.15 1/1946
Jul.	Amt. Date	1.96 12/1941	2.68 12/1941	2.91 12/1941	3.08 12/1941	3.08 12/1941	3.93 12-13/1941
Aug.	Amt. Date	1.97 22/1947	2.37 22/1947	2.38 22/1947	2.40 22/1947	2.40 22/1947	2.40 22/1947
Sep.	Amt. Date	1.10 10/1946	1.72 29/1944	2.23 29/1944	3.11 29/1944	4.08 28-29/1944	5.07 28-29/1944
Oct.	Amt. Date	0.76 27/1941	0.91 11/1946	1.16 11/1946	1.78 4/1948	2.11 4/1948	2.13 4-5/1948
Nov.	Amt. Date	0.42 14/1947	0.70 2/1948	0.90 10/1946	1.33 10/1946	1.70 5-6/1948	1.80 2/1943
Dec.	Amt. Date	0.64 15/1948	0.89 15/1948	1.15 15-16/1948	1.73 15-16/1948	2.62 27-28/1942	3.56 27-28/1942
Annual	Amt. Date	1.97 8/22/47	2.68 7/12/41	2.91 7/12/41	3.11 9/29/44	4.08 9/28-29/44	5.07 9/28-29/44

File No. 50028-



U. S. WEATHER BUREAU

Station: LEBANON, TENNESSEE

Drainage basin: CUMBERLAND

County: WILSON

Lat. 36° 13' N Long. 86° 16' W

Elev.(ft.) 530

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.82 1/1948	1.03 7/1946	1.47 15/1947	2.25 6-7/1946	3.37E 6-7/1946	4.84E 6-7/1946
Feb.	Amt. Date	0.86 13/1948	1.21 13/1948	1.52 13/1948	1.86 21/1945	2.92 12-13/1948	5.00 12-13/1948
Mar.	Amt. Date	1.01 16/1948	1.62 16/1948	1.64 16/1948	1.83 6-7/1946	2.20 6-7/1946	2.20 6-7/1946
Apr.	Amt. Date	1.02 6/1948	1.03 16/1945	1.23 16/1945	1.70 16/1945	1.74 16/1945	1.74 16/1945
May	Amt. Date	0.80a 25/1946	1.34 19/1947	1.60 19/1947	2.10 19/1947	2.10 19/1947	3.88 7/1950
Jun.	Amt. Date	1.27 14/1949	2.12 14/1949	2.30 14/1949	2.54 14/1949	3.43 14/1949	6.09 14-15/1949
Jul.	Amt. Date	1.73 30/1944	1.83 30/1944	1.84 30/1944	1.84 30/1944	2.05 18/1947	2.05 18/1947
Aug.	Amt. Date	1.34 31/1944	2.14 31/1944	2.69 31/1944	3.64 31/1944	4.75 30-31/1944	4.95 30-31/1944
Sep.	Amt. Date	1.52 2/1943	1.83 2/1943	1.93 2/1943	2.20 2/1943	2.76 28-29/1944	4.14 31-1/1944
Oct.	Amt. Date	0.53 14/1949	0.80 14/1949	0.85 14/1949	1.33 11/1946	1.90 30/1949	2.12 30-31/1949
Nov.	Amt. Date	1.13 14/1944	1.59 5/1948	1.82 2/1945	2.95 2/1945	3.70 2-3/1945	3.79 2-3/1945
Dec.	Amt. Date	0.40b 24/1945	0.70c 24/1945	0.83d 15/1947	1.46 31-1/1947	2.36 31-1/1947	2.63 31-1/1944
Annual	Amt. Date	1.73 7/30/44	2.14 8/31/44	2.69 8/31/44	3.64 8/31/44	4.75 8/30-31/44	6.09 6/14-15/49

File No. 50028-

a Also 20/1947.    b Also 29/1946.    c Also 16/1948.  
d Also 15/1948.

U. S. WEATHER BUREAU

Station: LEWISBURG, TENNESSEE

Drainage basin: DUCK

County: MARSHALL

Lat. 35° 27' N Long. 86° 48' W

Elev.(ft.) 787

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.65 30/1947	1.13 3/1949	1.40 3/1949	1.82 3/1949	2.80 7/1946	3.91 6-7/1946
Feb.	Amt. Date	1.05 21/1945	1.67 9/1950	2.35 21/1945	3.99 21/1945	4.24 21/1945	5.41 12/1948
Mar.	Amt. Date	0.89 6/1944	1.24 16/1942	1.36a 16/1942	2.00 6/1944	2.40 26-27/1944	2.40 26-27/1944
Apr.	Amt. Date	1.35 12/1943	1.90 12/1943	2.07 11-12/1943	2.35 11-12/1943	2.86 7-8/1948	2.89 7-8/1948
May	Amt. Date	0.96 12/1945	1.48 12/1945	1.98 12/1945	2.03 12/1945	2.24 4-5/1944	2.95 4-5/1944
Jun.	Amt. Date	1.45 21/1947	2.11 26/1942	2.13 26/1942	2.13 26/1942	2.15 15/1949	2.93 14-15/1949
Jul.	Amt. Date	2.16 13/1941	2.56 13/1941	2.72 13/1941	2.91 4/1941	2.97 4/1941	3.40 3-4/1941
Aug.	Amt. Date	0.86 9/1940	1.52 11/1942	1.65 11/1948	1.80 11/1948	1.80 11/1948	2.93 31-1/1944
Sep.	Amt. Date	1.08b 3/1943	1.47 9/1946	1.54 9/1946	2.84 29/1944	3.52 29/1944	4.70 28-29/1944
Oct.	Amt. Date	0.66 4/1948	1.08 4/1948	1.50 4/1948	1.99 4-5/1948	2.09 4-5/1948	3.09 4-5/1948
Nov.	Amt. Date	1.07 20/1950	1.57 20/1950	1.80 20/1950	1.98 10/1946	3.61 10/1946	3.90 10-11/1946
Dec.	Amt. Date	0.72 23/1941	1.16 23/1941	1.19 23/1941	1.60 15/1947	1.67 15/1947	2.34 31-1/1944
Annual	Amt. Date	2.16 7/13/41	2.56 7/13/41	2.72 7/13/41	3.99 2/21/45	4.24 2/21/45	5.41 2/12/48

File No. 50028- a Also 6/1944. b Also 9/1946.

U. S. WEATHER BUREAU

Station: LICK CREEK, TENNESSEE

Drainage basin: FRENCH BROAD

County: GREENE

Lat. 36° 19 'N Long. 82° 48 'W

Elev.(ft.) 1210

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.66 7/1946	0.76 7/1946	0.92 7/1946	1.77 7/1946	1.81 7-8/1946	2.76 29-30/1950
Feb.	Amt. Date	0.42 26/1944	0.61 26/1944	0.90 9/1950	1.29 9/1950	1.79 12-13/1945	2.13 9-10/1946
Mar.	Amt. Date	0.54 16/1948	0.77 18/1949	0.98 26/1945	1.28 26/1945	1.44 19/1944	1.68 19/1944
Apr.	Amt. Date	0.51 17/1945	0.74 <sup>a</sup> 17/1945	0.85 22/1949	1.11 27/1949	1.46 27/1949	1.75 27-28/1949
May	Amt. Date	1.35 26/1950	1.36 26/1950	1.36 26/1950	1.36 26/1950	1.55 12/1950	2.34 11-12/1950
Jun.	Amt. Date	1.30 28/1947	2.20 28/1947	2.98 28/1947	3.49 28/1947	3.69 28/1947	3.81 27-28/1947
Jul.	Amt. Date	1.40 30/1940	2.70 30/1940	3.35 30/1940	3.78 30/1940	4.02 30/1940	4.03 30/1940
Aug.	Amt. Date	1.70 3/1944	1.70 3/1944	1.70 3/1944	1.70 3/1944	2.01 24/1945	2.74 24-25/1945
Sep.	Amt. Date	0.92 2/1950	1.22 2/1950	1.27 29/1944	1.74 29/1944	2.57 29/1944	3.80 28-29/1944
Oct.	Amt. Date	0.58 27/1941	0.78 30-31/1949	1.09 30-31/1949	1.56 25-26/1942	1.68 25-26/1942	2.43 30-31/1949
Nov.	Amt. Date	0.65 15/1944	0.87 28/1948	1.25 <sup>b</sup> 15/1944	2.06 28/1948	2.38 28/1948	3.11 28-29/1948
Dec.	Amt. Date	0.41 30/1945	0.57 29/1948	0.76 29/1942	1.35 29/1942	1.77 29/1942	2.22 28-29/1942
Annual	Amt. Date	1.70 8/3/44	2.70 7/30/40	3.35 7/30/40	3.78 7/30/40	4.02 7/30/40	4.03 7/30/40

File No. 50028-

a Also 22/1949.

b Also 28/1948.

U.S. WEATHER BUREAU

Station: LIVINGSTON, TENNESSEE

Drainage basin: CUMBERLAND

County: OVERTON

Lat. 36 22'N Long. 85 18'W

Elev.(ft.) 1100

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.52 7/1946	2.12 7/1946	2.61 7/1946	3.29 7/1946	4.27 7/1946	5.21 7-8/1946
Feb.	Amt. Date	0.66 17/1944	0.93 17/1944	1.59 17/1944	2.56 17/1944	3.45 17/1944	3.90 16-17/1944
Mar.	Amt. Date	1.08 19/1943	1.33 19/1943	1.36 6/1944	2.14 6/1944	2.24 6/1944	2.86 18-19/1943
Apr.	Amt. Date	0.88 30/1947	1.09 30/1947	1.09 30/1947	1.80 4/1941	2.99 3-4/1941	3.39 3-4/1941
May	Amt. Date	1.37 27/1950	1.62 27/1950	1.63 27/1950	1.69 27/1950	2.26 7/1950	2.35 6-7/1950
Jun.	Amt. Date	1.50 29/1947	1.87 7/1940	1.89 7/1940	1.89 7/1940	2.09 15/1949	2.53 27-28/1949
Jul.	Amt. Date	1.74 31/1940	2.70 14/1950	2.96 14/1950	3.12 14/1950	4.84 3/1941	6.58 3-4/1941
Aug.	Amt. Date	1.33 29/1940	1.61 29/1940	1.87 28/1940	2.04 28-29/1940	2.19 28-29/1940	3.99 28-29/1940
Sep.	Amt. Date	1.10 10/1945	1.13 10/1945	1.17 29/1944	2.00 28-29/1944	3.28 28-29/1944	3.75 28-29/1944
Oct.	Amt. Date	0.56 4/1948	0.75 4/1948	0.96 4/1948	1.15 4/1948	1.24 11-12/1946	1.35 11-12/1946
Nov.	Amt. Date	0.80 2/1950	0.99 2/1945	1.51 2/1945	2.08 2/1945	2.63 2-3/1945	3.00 10-11/1946
Dec.	Amt. Date	0.47 31/1944	0.76 15/1947	0.99 12-13/1941	1.40 12-13/1941	1.78 15/1947	2.35 31-1/1944
Annual	Amt. Date	1.74 7/31/40	2.70 7/14/50	2.96 7/14/50	3.29 1/7/46	4.84 7/3/41	6.58 7/3-4/41

File No. 50028-

U.S. WEATHER BUREAU

Station: MANCHESTER, TENNESSEE

Drainage basin: FRENCH BROAD

County: COFFEE

Lat. 35° 28'N Long. 86° 06'W

Elev.(ft.) 1060

Period of record: 1942-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.61 15/1947	0.82 15/1947	0.95 15/1947	1.22 21/1949	1.86 21/1949	2.19 21-22/1949
Feb.	Amt. Date	0.90 13/1946	1.10 13/1946	1.15 13/1946	1.60 6/1946	2.07 8-9/1944	2.80E 12/1948
Mar.	Amt. Date	0.66 26/1944	1.04 31/1948	1.17 31/1948	1.40 26-27/1944	2.44 16/1948	2.44 15-16/1948
Apr.	Amt. Date	1.23 12/1943	1.44 12/1943	1.48 11-12/1943	1.67 11-12/1943	1.70 11-12/1943	1.78 18-19/1943
May	Amt. Date	1.04 15/1946	1.36 15/1946	1.45 12/1945	1.45 12/1945	1.45 12/1945	2.06 15/1946
Jun.	Amt. Date	0.83 8/1945	1.51 25-26/1947	1.52 25-26/1947	1.52 25-26/1947	1.80 1/1946	2.00 1/1946
Jul.	Amt. Date	2.10 26/1943	2.70 26/1943	2.79 26/1943	2.81 26/1943	2.82 26/1943	2.85 26/1943
Aug.	Amt. Date	1.62 17/1944	2.44 3/1943	2.45 3/1943	2.45 3/1943	2.80 31-1/1944	3.06 31-1/1944
Sep.	Amt. Date	1.75 1/1944	2.36 1/1944	2.75 1/1944	2.78 1/1944	2.85 7/1950	3.56 28-29/1944
Oct.	Amt. Date	0.35 7/1944	0.60E 1-2/1945	0.90E 1-2/1945	1.20 1-2/1945	1.37 5-6/1945	1.79 5-6/1945
Nov.	Amt. Date	0.80a 10/1946	1.05 20/1950	1.23 20/1950	2.19 21/1945	2.60 21/1945	2.76 10-11/1946
Dec.	Amt. Date	0.56b 27/1942	0.93 31/1944	1.02 31/1944	1.63 15-16/1948	2.66 27-28/1942	3.37 27-28/1942
Annual	Amt. Date	2.10 7/26/43	2.70 7/26/43	2.79 7/26/43	2.81 7/26/43	2.85 9/7/50	3.56 9/28-29/44

File No. 50028- a Also 20/1950 b Also 31/1944

U. S. WEATHER BUREAU

Station: MASON, TENNESSEE

Drainage basin: MISSISSIPPI

County: TIPTON

Lat. 35° 24'N Long. 89° 31'W

Elev.(ft.) 310 EST.

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.76 4/1949	1.21 8/1946	1.63 8/1946	2.50 8/1946	3.21 8/1946	3.99 8/1946
Feb.	Amt. Date	0.61 5/1942	0.89 5-6/1942	1.08 11/1948	1.67 8/1944	2.60 8/1944	3.74 8-9/1944
Mar.	Amt. Date	1.42 30/1945	1.62 30/1945	2.14 30/1945	2.21 30/1945	2.53 25/1946	3.38 25-26/1946
Apr.	Amt. Date	1.20 19/1941	1.62 19/1941	1.97 19/1941	2.53 19-20/1941	3.47 8-9/1942	3.84 8-9/1942
May	Amt. Date	0.85 24/1944	1.25 7/1945	1.33 7/1945	1.45 7/1945	1.45 7/1945	1.82a 3-4/1944
Jun.	Amt. Date	2.30 22/1947	4.50 22/1947	5.28 22/1947	7.04 22/1947	7.42 22/1947	7.42 22/1947
Jul.	Amt. Date	2.48 29/1946	3.02 29/1946	3.17 29/1946	3.70 29/1946	3.79 29/1946	3.79 29/1946
Aug.	Amt. Date	1.33 25/1950	2.45 25/1950	3.03 25/1950	3.59 25/1950	3.59 25/1950	4.34 24-25/1950
Sep.	Amt. Date	0.81b 5/1943	1.13 28/1944	1.35 28-29/1944	1.97 28-29/1944	2.90 28-29/1944	3.06 28-29/1944
Oct.	Amt. Date	0.83 31/1941	1.10 11/1949	1.14 11/1949	1.68 30/1942	2.92 30/1942	3.01 30/1942
Nov.	Amt. Date	0.61 2/1945	1.21 2/1945	1.43 2/1945	1.70 2/1945	2.66 18/1948	3.16 9-10/1945
Dec.	Amt. Date	2.18 11/1949	2.36 11/1949	2.79 11/1949	3.05 11-12/1949	3.29 11-12/1949	4.11 10-11/1949
Annual	Amt. Date	2.48 7/29/46	4.50 6/22/47	5.28 6/22/47	7.04 6/22/47	7.42 6/22/47	7.42 6/22/47

File No. 50028- a Also 24-25/1946 b Also 28/1944

U. S. WEATHER BUREAU

Station: MEMPHIS WB AP, TENNESSEE

Drainage basin: MISSISSIPPI

County: SHELBY

Lat. 35° 09' N Long. 90° 03' W

Elev.(ft) 271

Period of record: 1940-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	1.30 3/1949	1.64 3/1949	1.67 3/1949	2.03 8/1946	3.40 <sup>E</sup> 8/1946	4.20 <sup>E</sup> 7-8/1946	
Feb.	1.05 12/1948	1.89 13-14/1950	2.19 13/1950	3.10 13-14/1950	3.45 13-14/1950	4.46 11-12/1948	
Mar.	0.85 <sup>a</sup> 13/1942	1.25 13/1942	1.55 13/1942	1.78 30/1948	2.00 1/1948	2.89 12/1943	
Apr.	1.22 19/1941	1.70 12/1949	2.09 12/1949	2.50 12/1949	4.32 12/1949	4.86 <sup>x</sup> 12/1949	
May	1.46 8/1943	1.49 <sup>b</sup> 8/1943	1.85 25/1946	2.25 25/1946	2.25 25/1946	2.25 25/1946	
Jun.	1.62 17/1948	2.31 8/1943	2.66 22/1947	4.04 22/1947	4.40 22/1947	4.43 22/1947	
Jul.	1.20 5/1950	1.59 18/1941	1.75 18/1941	1.89 18-19/1941	1.90 18-19/1941	1.90 18-19/1941	
Aug.	2.22 26/1947	3.36 26/1947	3.56 26/1947	3.69 26/1947	4.42 26/1947	4.46 26-27/1947	
Sep.	0.71 6/1944	0.99 30/1945	1.10 30/1945	1.71 30-1/1945	2.21 30-1/1945	2.30 30-1/1945	
Oct.	1.01 17/1941	1.43 17/1941	2.00 17/1941	2.25 17/1941	3.09 5/1949	3.71 4-5/1949	
Nov.	0.98 18/1945	1.49 2/1950	1.65 2/1950	2.73 18-19/1945	3.35 18-19/1945	3.95 9-10/1945	
Dec.	1.00 28/1946	1.90 28/1946	2.20 28/1946	2.30 28/1946	3.10 28-29/1946	3.45 11-12/1949	
Annual	2.22 8/26/47	3.36 8/26/47	3.56 8/26/47	3.69 8/26/47	4.42 8/26/47	4.79 4/12/49	

File No. 50028-  
 a Also 30/1948  
 b Also 14/1947

U.S. WEATHER BUREAU

Station: MEMPHIS WB CITY, TENNESSEE

Drainage basin: MISSISSIPPI

County: SHELBY

Lat 35° 09' N Long. 90° 03' W

Elev.(ft.) 271

Period of record: 1890-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.10x 8/1946	1.58x 8/1946	1.94 8/1946	2.57 8/1946	3.62 8/1946	5.75x 7-8/1930
Feb.	Amt. Date	1.24wx 9/1939	1.65wx 9/1939	2.09wx 9/1939	3.46 17-18/1938	4.10 17-18/1938	4.57 17-18/1938
Mar.	Amt. Date	1.23x 26/1902	2.13x 16/1919	2.95E 16/1919	5.43E 16/1919	8.41E 16/1919	9.30x 16/1919
Apr.	Amt. Date	1.44x 20/1927	2.27w 12/1949	2.75w 12/1949	3.39 12/1949	4.75 12/1949	5.26 12/1949
May	Amt. Date	1.86wx 21/1939	2.46x 20/1924	2.61 4/1914	3.62 4/1914	4.28 4/1914	4.29 4/1914
Jun.	Amt. Date	1.97 5/1918	2.26 5/1918	2.82wx 14/1900	4.15 14/1900	5.01 14/1900	5.29 13-14/1900
Jul.	Amt. Date	3.25wx 17/1929	4.70x 16-17/1929	5.00x 16-17/1929	5.00 16-17/1929	5.00 16-17/1929	5.42 16-17/1929
Aug.	Amt. Date	1.91wx 10/1905	2.43wx 1/1902	2.43wx 1/1902	2.85 16/1901	3.92 16/1901	4.61 31-1/1902
Sep.	Amt. Date	2.09w 3/1936	2.85x 7/1920	3.07 3/1936	3.91 14/1901	4.61 14/1901	4.68 14/1901
Oct.	Amt. Date	2.54x 22/1935	3.48x 22/1935	4.30 22/1935	5.41 22/1935	5.71 22/1935	6.44 22-23/1935
Nov.	Amt. Date	2.00 21/1934	3.53 21/1934	4.68 21/1934	7.03 21/1934	9.67 21/1934	10.48 20-21/1934
Dec.	Amt. Date	1.38x 30/1936	1.79x 30/1936	1.91 30/1936	2.65 15/1902	3.34 26/1904	5.40x 26-27/1904
Annual	Amt. Date	3.25 7/17/29	4.70 7/16-17/29	5.00 7/16-17/29	7.03 11/21/34	9.67 11/21/34	10.48 11/20-21/34

File No. 50028-



U.S. WEATHER BUREAU

Station: MEMPHIS WB CITY, TENNESSEE

Drainage basin: MISSISSIPPI

County: SHELBY

Lat. 35° 09'N Long. 90° 03'W

Elev.(ft.) 271

Period of record: 1940-1950\*

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.10x 8/1946	1.58x 8/1946	1.94 8/1946	2.57 8/1946	3.62 8/1946	4.44 7-8/1946
Feb.	Amt. Date	0.93 13/1950	1.34 12-13/1950	1.55 12-13/1950	2.72 12-13/1950	3.20 12-13/1950	4.07 8/1944
Mar.	Amt. Date	1.01 15/1945	1.56 13/1942	1.58 13/1942	1.69 13/1942	1.92 30/1948	2.73 12/1943
Apr.	Amt. Date	1.41w 12/1949	2.27w 12/1949	2.75w 12/1949	3.39 12/1949	4.75 12/1949	5.26 12/1949
May	Amt. Date	0.98 23/1943	1.16 8/1943	1.84 6/1950	2.10 6/1950	2.13 6/1950	2.27 5-6/1950
Jun.	Amt. Date	1.17 10/1946	1.69x 22/1947	2.14 x 22/1947	3.70 22/1947	3.84 22/1947	4.58 x 13-14/1949
Jul.	Amt. Date	1.68 4/1950	2.51 4/1950	2.58 4/1950	2.58 4/1950	2.58 4/1950	2.80 3-4/1950
Aug.	Amt. Date	1.70w 13/1948	1.74 13/1948	1.76 13/1948	1.76 13/1948	1.83 24/1950	2.30 13-14/1948
Sep.	Amt. Date	1.25 6/1943	1.51 5/1943	1.59 30/1945	2.22 30-1/1945	2.29 30-1/1945	3.35 5-6/1943
Oct.	Amt. Date	1.13 27/1947	1.91 27/1947	2.39 27/1947	2.74 26-27/1947	3.41 5/1949	3.90 5-6/1949
Nov.	Amt. Date	0.86x 5/1948	1.38 x 5/1948	1.75 10/1945	2.77 9-10/1945	3.55 9-10/1945	4.07x 9-10/1945
Dec.	Amt. Date	1.14w 11/1949	1.45w 11/1949	1.89w 11/1949	2.11 11/1949	3.01 24-25/1944	3.69 24-25/1944
Annual	Amt. Date	1.70 8/13/48	2.51 7/4/50	2.75 4/12/49	3.70 6/22/47	4.75 4/12/49	5.26 4/12/49

File No. 50028- \*Given for comparative purposes. See next page for complete record.

U. S. WEATHER BUREAU

Station: MONTEREY, TENNESSEE

Drainage basin: CANEY FORK

County: PUTNAM

Lat. 36° 09' N Long. 85° 16' W

Elev.(ft.) 1928

Period of record: 1948-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.61 29/1950	0.93 4-5/1949	1.11 4-5/1949	2.13 4-5/1949	3.86 4-5/1949	4.96 4-5/1949
Feb.	Amt. Date	0.70 9/1950	0.95 9/1950	1.17 9/1950	1.69 9/1950	1.82 9/1950	2.16 31-1/1950
Mar.	Amt. Date	0.50 27/1949	0.84 27/1949	0.93 27/1950	1.25 17-18/1949	1.81 17-18/1949	1.88 17-18/1949
Apr.	Amt. Date	0.76 30/1950	0.79 30/1950	0.82 30/1950	0.87 30/1950	1.01 25/1950	1.38 29-30/1950
May	Amt. Date	0.72 22/1949	1.19 7/1950	1.37 7/1950	1.57 7/1950	1.60 7/1950	2.20 6-7/1950
Jun.	Amt. Date	0.86 28/1949	1.57 28/1949	1.83 28/1949	2.49 28/1949	2.57 28/1949	3.88 27-28/1949
Jul.	Amt. Date	1.16 23/1950	1.88 23/1950	1.91 23/1950	2.15 23/1950	2.15 23/1950	2.17 23-24/1950
Aug.	Amt. Date	1.51 13/1949	1.65 13/1949	1.65 13/1949	1.67 13/1949	1.83 28-29/1950	2.18 28-29/1950
Sep.	Amt. Date	0.70 18/1949	1.18 18/1949	1.19 18/1949	1.41 18/1949	1.45 18/1949	1.45 18/1949
Oct.	Amt. Date	0.85 4/1948	1.13 4/1948	1.37 4/1948	1.55 4/1948	1.64 4/1948	1.67 4-5/1948
Nov.	Amt. Date	0.81 20/1950	1.16 20/1950	1.45 20/1950	1.95 20/1950	2.25 19/1948	2.27 18-19/1948
Dec.	Amt. Date	0.36 15/1948	0.64 16/1948	0.72 16/1948	1.22 12-13/1949	1.54 24/1948	2.07 24-25/1948
Annual	Amt. Date	1.51 8/13/49	1.88 7/23/50	1.91 7/23/50	2.49 6/28/49	3.86 1/4-5/49	4.96 1/4-5/49

File No. 50028-

U. S. WEATHER BUREAU

Station: MUNFORD, TENNESSEE

Drainage basin: MISSISSIPPI

County: TIPTON

Lat. 35° 27' N Long. 89° 49' W

Elev. (ft.) 440

Period of record: 1948-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.47 26/1950	0.76 26/1950	0.95 10/1950	1.54 10/1950	1.85 26/1950	2.65 26-27/1950
Feb.	Amt. Date	1.17 13/1950	1.71 13/1950	1.88 12-13/1950	2.95 12-13/1950	3.30 12-13/1950	3.75 12-13/1950
Mar.	Amt. Date	0.78 9/1949	1.16 9/1949	1.34 9/1949	1.80 27/1950	2.12 9/1949	2.58 9-10/1949
Apr.	Amt. Date	0.39 13/1948	0.43 13/1948	0.54 13/1948	0.82 13/1948	1.11 13/1948	1.15 13/1948
May	Amt. Date	0.52 2/1950	0.79 2/1950	0.86 2/1950	1.31 6/1950	1.61 6/1950	1.80 6-7/1950
Jun.	Amt. Date	0.94 3/1950	1.17 3/1950	1.28 3/1950	1.53 3/1950	1.98 2-3/1950	2.26 2-3/1950
Jul.	Amt. Date	1.83 17/1948	1.93 17/1948	1.95 17/1948	1.95 17/1948	1.95 17/1948	2.26 17-18/1948
Aug.	Amt. Date	2.38 25/1950	2.56 25/1950	2.59 25/1950	2.75 25/1950	2.75 25/1950	3.03 24-25/1950
Sep.	Amt. Date	0.92 14/1950	0.95 14/1950	0.98 14/1950	1.02 4-5/1948	1.27 4-5/1948	1.45 4-5/1948
Oct.	Amt. Date	0.67 5/1949	1.14 12/1949	1.31 12/1949	1.49 5/1949	2.98 5/1949	3.51 4-5/1949
Nov.	Amt. Date	1.13 5/1948	1.59 5/1948	2.32 5/1948	3.50 5/1948	3.76 5/1948	3.76 5/1948
Dec.	Amt. Date	1.63 11/1949	2.20 11/1949	2.98 11/1949	3.30 11/1949	3.49 11-12/1949	5.95 10-11/1949
Annual	Amt. Date	2.38 8/25/50	2.56 8/25/50	2.98 12/11/49	3.50 11/5/48	3.76 11/5/48	5.95 12/10-11/49

File No. 50028-

U.S. WEATHER BUREAU

Station: MURFREESBORO, TENNESSEE

Drainage basin: CUMBERLAND

County: RUTHERFORD

Lat. 35° 51'N Long. 86° 24'W

Elev.(ft.) 608

Period of record:

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.99 7/1946	1.89 7/1946	2.54 7/1946	3.45 7/1946	4.39 7/1946	5.28 7-8/1946
Feb.	Amt. Date	1.01 21/1945	1.30 12/1948	2.03 21/1945	3.32 21/1945	3.86 12-13/1948	4.74 12/1948
Mar.	Amt. Date	0.81 6/1944	1.46 6/1944	2.06 6/1944	2.54 6/1944	2.58 6/1944	2.58 6/1944
Apr.	Amt. Date	0.71 11/1944	1.29 11/1944	1.36 11/1944	1.68 28/1945	1.94 3-4/1941	2.50 3-4/1941
May	Amt. Date	1.18 24/1946	1.75 21/1947	2.04 21/1947	2.29 21/1947	2.35 21/1947	2.43 20-21/1947
Jun.	Amt. Date	1.69 29/1944	1.77 29/1944	1.82 29/1944	2.21 15/1949	2.80 15/1949	4.04 14-15/1949
Jul.	Amt. Date	1.34 14/1948	2.02 15/1947	2.13 15/1947	2.19 3/1941	2.36 3/1941	4.07 3-4/1941
Aug.	Amt. Date	1.61 17/1942	1.66 17/1942	2.79 31-1/1944	4.58 31-1/1944	4.69 31-1/1944	5.43 31-1/1944
Sep.	Amt. Date	1.62 1/1944	3.20 1/1944	4.17 1/1944	4.58 31-1/1944	4.81 29/1944	6.36 28-29/1944
Oct.	Amt. Date	0.52 15/1940	0.68 1/1945	0.73 1/1945	1.32 31/1942	1.49 31/1942	1.49 31/1942
Nov.	Amt. Date	0.73 2/1945	1.20 10/1946	1.47 16-17/1946	1.82 10/1946	2.39 10/1946	2.97 2-3/1950
Dec.	Amt. Date	0.75 15/1947	1.11 15/1947	1.38 15/1947	1.84 15/1947	2.01 15/1947	2.24 15-16/1948
Annual	Amt. Date	1.69 6/29/44	3.20 9/1/44	4.17 9/1/44	4.58a 8/31-1/44	4.81 9/29/44	6.36 9/28-29/44

File No. 50028- a Also 9/31-1/44

U. S. WEATHER BUREAU

Station: NASHVILLE WB AP, TENNESSEE\*

Drainage basin: CUMBERLAND

County: DAVIDSON

Lat. 36° 07' Long. 86° 41'

Elev.(ft.) 585

Period of record: 1893-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.39wx 1/1948	1.79 1/1948	1.96 1/1948	2.86 6-7/1946	3.40 6-7/1946	4.40x 6-7/1946
Feb.	Amt. Date	1.14x 18/1927	1.39x 3/1932	1.50 1.50	2.51 23/1909	3.62 23/1909	3.69 23/1909
Mar.	Amt. Date	1.38wx 26/1936	2.22wx 26/1936	2.50wx 26/1936	2.76 12-13/1927	3.17 12-13/1927	5.43 16-17/1919
Apr.	Amt. Date	2.09x 26/1912	2.32x 26-27/1912	2.46 26-27/1912	3.21 26-27/1912	3.41 20/1920	3.88 26-27/1912
May	Amt. Date	1.56x 26/1917	2.05x 29/1924	2.08 5/1933	3.04 4-5/1933	3.17 4-5/1933	3.57 4-5/1944
Jun.	Amt. Date	1.94 29/1912	2.56x 6-7/1917	3.28 29/1928	4.24 28-29/1928	4.34 28-29/1928	4.39 28-29/1928
Jul.	Amt. Date	2.04x 15/1936	3.38x 19/1921	3.60x 19/1921	3.70x 19/1921	3.70x 19/1921	4.25x 19-20/1921
Aug.	Amt. Date	1.78x 21/1902	2.57 14/1930	2.78 8/1898	3.29 8-9/1898	4.62 8-9/1898	5.65 8-9/1898
Sep.	Amt. Date	1.84x 1/1900	2.66 1/1900	2.66 1/1900	3.34E 9-10/1895	4.79 9-10/1895	5.00 9-10/1895
Oct.	Amt. Date	1.80x 17/1928	2.07x 17/1928	2.11 17/1928	3.01 16-17/1928	3.51 16-17/1928	3.78 16-17/1928
Nov.	Amt. Date	1.81x 2./1900	2.97x 21/1900	3.14 21/1900	3.27 20-21/1900	5.00 20-21/1900	6.05 20-21/1900
Dec.	Amt. Date	1.35x 14/1922	1.68x 26/1911	1.81 26/1911	3.18 26/1911	3.77 26/1911	5.10 20-21/1926
Annual	Amt. Date	2.09 4/26/12	3.38 7/19/21	3.60 7/19/21	4.24 6/28-29/28	5.00 11/20-21/ 1900	6.05 11/20-21/ 1900

File No. 50028-

\* Formerly Nashville WB City

U. S. WEATHER BUREAU

Station: NASHVILLE WB AP, TENNESSEE\*

Drainage basin: CUMBERLAND

County: DAVIDSON

Lat. 36° 07'N Long. 86° 41'W

Elev.(ft.) 585

Period of record: 1940-1950\*\*

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.39 <sub>wx</sub> 1/1948	1.79 1/1948	1.96 1/1948	2.86 6-7/1946	3.40 6-7/1946	4.40 <sub>x</sub> 6-7/1946
Feb.	Amt. Date	0.55 14/1950	0.91 21/1945	1.08 14/1950	2.11 13-14/1950	2.79 12-13/1948	4.04 12-13/1948
Mar.	Amt. Date	1.05 18/1943	1.31 18/1943	1.56 18/1943	2.28 18/1943	2.54 18-19/1943	2.76 18-19/1943
Apr.	Amt. Date	1.44 <sub>wx</sub> 12/1949	1.59 12/1949	1.64 <sub>wx</sub> 12/1949	1.86 12-13/1949	2.47 8-9/1942	2.55 8-9/1942
May	Amt. Date	1.45 <sub>wx</sub> 4/1944	1.70 <sub>wx</sub> 4/1944	1.90 <sub>wx</sub> 4/1944	2.12 4/1944	2.26 4/1944	3.57 <sub>x</sub> 4-5/1944
Jun.	Amt. Date	0.94 21/1947	1.00 14/1949	1.20 8/1945	1.82 14/1949	2.60 14/1949	3.39 14-15/1949
Jul.	Amt. Date	1.90 5/1950	2.89 5/1950	3.13 5/1950	3.35 5-6/1950	3.35 5-6/1950	3.35 5-6/1950
Aug.	Amt. Date	1.56 11/1942	1.67 <sub>wx</sub> 11/1942	1.67 11/1942	1.93 31/1944	2.56 30-31/1944	2.74 30-31/1944
Sep.	Amt. Date	1.07 4/1943	1.35 4/1943	1.82 29/1944	2.44 29/1944	2.83 29/1944	3.07 28-29/1944
Oct.	Amt. Date	0.57 27/1947	0.76 31/1942	0.90 31/1942	1.26 31/1942	1.61 30/1949	2.02 30/1949
Nov.	Amt. Date	0.86 11/1940	1.22 2/1945	1.64 2/1945	2.74 2/1945	3.56 2-3/1945	3.61 2-3/1945
Dec.	Amt. Date	0.73 15/1948	1.18 <sub>x</sub> 27/1942	1.30 27/1942	2.35 31-1/1947	2.93 31-1/1947	2.93 31-1/1947
Annual	Amt. Date	1.90 7/5/50	2.89 7/5/50	3.13 7/5/50	3.35 7/5-6/50	3.56 11/2-3/45	4.40 1/6-7/46

File No. 50028- \*Formerly Nashville WB City

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

U. S. WEATHER BUREAU

Station: NORRIS, TENNESSEE

Drainage basin: CLINCH

County: ANDERSON

Lat. 36° 12'N Long. 84° 05'W

Elev.(ft.) 1000

Period of record: L 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.64 1/1942	0.64 1/1942	0.90 7/1946	1.44 7/1946	2.55 4-5/1949	3.31 4-5/1949
Feb.	Amt. Date	0.51 13/1948	0.82 13/1948	1.09 13/1948	1.95 13/1948	2.60 12-13/1948	4.12 12-13/1948
Mar.	Amt. Date	0.61 27/1944	1.12 27/1944	1.13 27/1944	1.85 27/1944	2.10 27/1944	2.10 27/1944
Apr.	Amt. Date	0.70 16/1945	1.06 11/1944	1.50 16/1945	1.85 16-17/1945	1.88 16-17/1945	2.40 3-4/1941
May	Amt. Date	1.60 31/42	2.12 31/42	2.28 31/42	2.28 31/1942	2.28 31/1942	2.28 31/1942
Jun.	Amt. Date	1.13 15/1943	1.40 13/1944	1.40 13/1944	1.79 8/1945	2.06 15/1943	2.33 7-8/1945
Jul.	Amt. Date	1.67 31/1946	2.18 6/1946	2.20 6/1946	2.21 6/1946	2.74 17-18/1949	3.44 17-18/1949
Aug.	Amt. Date	1.09 10/1943	1.57 10/1943	1.59 10/1943	1.60 10/1943	1.60 10/1943	1.60 10/1943
Sep.	Amt. Date	0.93 1/1944	1.32 29/1944	1.77 29/1944	3.27 28-29/1944	4.78 29/1944	7.63 28-29/1944
Oct.	Amt. Date	0.86a 9/1941	1.15 9/1941	1.39 9-10/1941	2.05 9-10/1941	2.22 9-10/1941	2.22 9-10/1941
Nov.	Amt. Date	0.78 15/1944	0.84 28/1948	1.20 28/1948	1.94 28/1948	2.83 19/1948	3.61 28-29/1948
Dec.	Amt. Date	0.47 29/1946	0.67 12/1946	0.89 29/1946	1.51 13/1949	1.86 1/1942	2.68 27-28/1942
Annual	Amt. Date	1.67 7/31/46	2.18 7/6/46	2.28 5/31/42	3.27 9/28-29/44	4.78 9/29/44	7.63 9/28-29/44

File No. 50028- a ALSO 6/44

U. S. WEATHER BUREAU

Station: OAK GROVE, TENNESSEE

Drainage basin: TENNESSEE

County: HENDERSON

Lat. 35° 40'N Long. 88° 21'W

Elev.(ft.) 532

Period of record:

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.89 10/1950	1.60 10/1950	2.29 10/1950	2.91 10/1950	3.34 8/1946	4.30 8/1946
Feb.	Amt. Date	0.77 13/1950	0.84a 17/1945	1.05 12/1948	1.56 12/1948	2.29 12-13/1948	4.17 12-13/1948
Mar.	Amt. Date	0.72 26/1949	0.95 26/1949	1.27 30/1948	1.96 6/1946	2.18 6/1946	2.49 25-26/1946
Apr.	Amt. Date	1.04 11/1944	1.23 11/1944	1.37 11/1947	1.85 10-11/1947	2.07 10-11/1947	2.07 10-11/1947
May	Amt. Date	1.00 13/1947	1.60 21/1947	2.10 21/1947	2.56 20-21/1947	2.79 20/1947	2.79 20/1949
Jun.	Amt. Date	1.06 26/1947	1.38 4/1945	1.82 4/1945	2.17 4/1945	2.22 12/1945	2.44 13-14/1949
Jul.	Amt. Date	1.39 25/1945	2.40 5/1950	2.55 5/1950	2.91 5-6/1950	3.09 5-6/1950	3.12 5-6/1950
Aug.	Amt. Date	1.95 26/1944	2.56 26/1944	3.15 26/1944	3.88 26/1944	3.92 26/1944	3.92 26/1944
Sep.	Amt. Date	1.23 15/1943	1.74 15/1943	1.74 15/1943	1.90 2/1950	2.39 9/1947	2.49 9/1947
Oct.	Amt. Date	1.16 5/1944	1.92 5/1944	2.32 5/1944	2.48 5/1944	3.49b 5/1944	4.47 26-27/1947
Nov.	Amt. Date	1.00 6/1943	1.66 2/1945	2.39 2/1945	3.72 2/1945	4.63 2/1945	4.76 2-3/1945
Dec.	Amt. Date	0.87 29/1946	1.21 15/1948	1.44 15/1948	2.02 15/1948	2.41 15-16/1948	3.21 11-12/1949
Annual	Amt. Date	1.95 8/26/44	2.56 8/26/44	3.15 8/26/44	3.88 8/26/44	4.63 11/2/45	4.76 11/2-3/45

File No. 50028-  
 a- ALSO 5/46  
 b ALSO 26-27/47



U. S. WEATHER BUREAU

Station: PARIS, TENNESSEE

Drainage basin: TENNESSEE

County: HENRY

Lat. 36° 18'N Long. 88° 18'W

Elev.(ft.) 455

Period of record: 1948-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.92 10/1950	1.22 10/1950	1.32 10/1950	1.70 10/1950	2.09 10/1950	2.14 2-3/1950
Feb.	Amt. Date	0.96 8/1950	0.98 8/1950	1.03 8/1950	1.05 8/1950	1.31 13/1949	1.74 13-14/1950
Mar.	Amt. Date	0.59 26/1949	0.80 26/1949	0.90 26/1949	1.40 27/1950	1.46 27/1950	2.04 26/1949
Apr.	Amt. Date	0.60 2/1950	0.87 2/1950	1.00 2/1950	1.11 2/1950	1.11 2/1950	1.12 2-3/1950
May	Amt. Date	0.44 2/1950	0.80 12/1950	1.05 12/1950	1.36 12/1950	1.41 6/1950	2.02 6-7/1950
Jun.	Amt. Date	0.64 28/1949	1.25 28/1949	1.25 28/1949	1.36 15/1949	1.80 14-15/1949	2.41 14-15/1949
Jul.	Amt. Date	1.29 30/1949	1.29 3/1949	1.50 30/1949	2.75 30/1949	2.75 30/1949	2.75 30/1949
Aug.	Amt. Date	1.60 4/1949	2.03 4/1949	2.03 4/1949	2.13 31/1950	2.44 31/1950	2.48 30-31/1950
Sep.	Amt. Date	1.46 2/1950	2.03 5/1949	2.50 5/1949	2.93 5/1949	3.01 5/1949	3.22 2-3/1950
Oct.	Amt. Date	0.60a 8/1949	0.80 22/1950	1.00 22/1950	1.28 22/1950	1.54 30-31/1948	1.62 21-22/1950
Nov.	Amt. Date	1.31 2/1948	1.83 5/1948	2.13 5/1948	2.83 5/1948	3.97 5/1948	3.97 5/1948
Dec.	Amt. Date	0.82 15/1948	1.40 15/1948	1.80 15/1948	3.10 15/1948	4.10 15/1948	4.86 15-16/1948
Annual	Amt. Date	1.60 8/4/49	2.03b 8/4/49	2.50 9/5/49	3.10 12/15/48	4.10 12/15/48	4.86 12/15-16/48

File No. 50028- a Also 22/1950  
b Also 9/5/49

U.S. WEATHER BUREAU

Station: PICKWICK, TENNESSEE

Drainage basin: TENNESSEE

County: HARDIN

Lat. 35° 03' Long. 88° 15'

Elev.(ft.) 425 E

Period of record: 1940-1945

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.71 24/1941	0.87 24/1941	1.01 24/1941	1.51 1-2/1941	2.18E 31-1/1945	4.36 31-1/1945
Feb.	Amt. Date	0.63 17/1944	0.78 6/1942	0.89 6/1942	1.33 8/1944	1.92 8/1944	3.52 8-9/1944
Mar.	Amt. Date	1.23 26/1944	1.34 26/1944	1.37 26/1944	2.05 26-27/1944	3.34 26-27/1944	3.41 26-27/1944
Apr.	Amt. Date	1.47 8/1942	1.47 8/1942	1.52 8/1942	1.70 8/1942	3.26 8-9/1942	3.60 8-9/1942
May	Amt. Date	0.70 27/1943	1.10 27/1943	1.30 27/1943	1.37 27/1943	1.37 27/1943	2.02 4/1944
Jun.	Amt. Date	0.77 5/1942	1.35 2/1944	1.35 2/1944	1.36 2/1944	1.36 2/1944	1.36 2/1944
Jul.	Amt. Date	2.29 29/1942	2.29 29/1942	2.29 29/1942	2.29 29/1942	2.29 29/1942	2.39 3-4/1941
Aug.	Amt. Date	1.52 26/1944	2.13 26/1944	2.15 26/1944	2.74 26/1944	3.57 30-31/1944	3.75 30-31/1944
Sep.	Amt. Date	1.04 5/43	1.06 5/43	1.06 5/43	1.22 29/1944	1.93 28-29/1944	2.51 28-29/1944
Oct.	Amt. Date	0.93 31/1940	1.24 31/1940	1.54 31/1940	1.84 31/1940	2.64 31-1/1940	2.64 31-1/1940
Nov.	Amt. Date	0.64 6/1943	1.00 22/1942	1.23 6-7/1943	1.47 6-7/1943	2.64 31-1/1940	2.64 31-1/1940
Dec.	Amt. Date	1.37 27/1942	2.52 27/1942	3.26 27/1942	4.09 27/1942	4.55 27/1942	4.79 27-28/1942
Annual	Amt. Date	2.29 7/29/42	2.52 12/27/42	3.26 12/27/42	4.09 12/27/42	4.55 12/27/42	4.79 12/27-28/42

File No. 50028-

U.S. WEATHER BUREAU

Station: PORTLAND, TENNESSEE

Drainage basin: GREEN

County: SUMNER

Lat. 36° 35'N Long. 86° 30'W

Elev.(ft.) 920

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.75 1/1948	1.15 1/1948	1.57 1/1948	2.16 1/1948	2.21 31-1/1948	2.74 4-5/1949
Feb.	Amt. Date	0.92 13/1948	1.64 13/1948	1.96 13/1948	2.06 13/1948	2.65 13/1948	4.18 12-13/1948
Mar.	Amt. Date	0.52 27/1944	0.83 6/1946	1.08 15-16/1948	1.44 6/1946	1.88 17-18/1949	1.97 17-18/1949
Apr.	Amt. Date	0.92 11/1944	1.16 11/1944	1.28 11/1944	1.30 11/1944	1.30 11/1944	1.80 10-11/1944
May	Amt. Date	2.33 28/1944	2.58 28/1944	2.62 28/1944	2.63 28/1944	2.63 28/1944	2.63 28/1944
Jun.	Amt. Date	1.42 25/1947	1.93 13/1947	1.93 13/1947	1.93 13/1947	1.93 13/1947	2.27 14-15/19
Jul.	Amt. Date	0.64 31/1950	0.65 31/1950	0.83 31-1/1947	1.10 21/1946	1.70 21/1946	1.70 21/1946
Aug.	Amt. Date	1.05 31/1944	1.81 31/1944	2.01 31/1944	2.75 30-31/1944	3.09 30-31/1944	3.14 30-31/1944
Sep.	Amt. Date	1.20 2/1950	1.57 2/1950	1.60 2/1950	2.14 2/1950	2.77 2/1950	3.07 2-3/1950
Oct.	Amt. Date	1.76 5/1944	2.23 5/1944	3.91 5/1944	5.08 5/1944	5.14 5/1944	5.14 5/1944
Nov.	Amt. Date	1.27 5/1948	1.40 5/1948	1.57 5/1948	2.26 5/1948	2.70 5/1948	2.93 5/1948
Dec.	Amt. Date	0.81 15/1948	0.90 15/1948	1.62 15/1948	1.94 15/1948	2.75 15/1948	3.29 11-12/1949
Annual	Amt. Date	2.33 5/28/44	2.58 5/28/44	3.91 10/5/44	5.08 10/5/44	5.14 10/5/44	5.14 10/5/44

File No. 50028-

U. S. WEATHER BUREAU

Station: REAGAN, TENNESSEE

Drainage basin: TENNESSEE

County: HENDERSON

Lat. 35° 30'N Long. 88° 20'W

Elev.(ft.) 600

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.08 1/1948	1.79 1/1948	2.47 1/1948	3.32 8/1946	4.09 8/1946	4.96 8/1946
Feb.	Amt. Date	0.97 12/1948	1.52 12/1948	1.81 12/1948	2.29 12/1948	2.74 12-13/1948	4.94 12-13/1948
Mar.	Amt. Date	0.94 24/1949	1.43 24/1949	1.66 24-25/1949	2.14 13/1942	2.40 13/1942	2.40 13/1942
Apr.	Amt. Date	1.00 11/1943	1.47 23/1944	1.68 11/1943	2.40 28/1945	2.98 8-9/1942	4.23 8-9/1942
May	Amt. Date	1.24 20/1949	1.75 20/1949	1.96 20-21/1949	2.09 20-21/1949	3.33 20-21/1949	3.37 20-21/1949
Jun.	Amt. Date	1.10 16/1945	1.82 29/1942	1.84 29/1942	1.84 29/1942	1.84 29/1942	2.20 2-3/1950
Jul.	Amt. Date	1.68 5/1946	2.23 5/1946	2.39 5/1946	2.53 5/1946	2.53 5/1946	2.91 30-31/1943
Aug.	Amt. Date	1.31 6/1949	1.82 6/1949	1.85 6/1949	1.87 6/1949	2.17 30-31/1950	2.38 30-31/1950
Sep.	Amt. Date	1.11 23/1946	2.03 23/1946	2.13 23/1946	2.45 22-23/1946	3.00 22-23/1946	3.10 22-23/1946
Oct.	Amt. Date	1.00 27/1947	1.38 5/1944	1.63 5/1944	1.85 5/1944	2.55 5/1944	4.10 26-27/1947
Nov.	Amt. Date	1.20 20/1950	1.35 18/1948	1.79 20/1950	2.51 18/1948	4.81 18/1948	5.68 18-19/1948
Dec.	Amt. Date	1.14 27/1942	1.62 27/1942	2.05 27/1942	3.08 27/1942	3.42 27/1942	3.60 27-28/1942
Annual	Amt. Date	1.68 7/5/16	2.23 7/5/46	2.47 1/1/48	3.32 1/8/46	4.81 11/18/48	5.68 11/18-19/48

File No. 50028-



U.S. WEATHER BUREAU

Station: ROCK ISLAND TENNESSEE

Drainage basin: CANEY FORK

County: WARREN

Lat. 35° 48'N Long. 85

Elev.(ft.) 900

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.60 7/1946	0.90 30/1950	1.07 30/1950	1.71 4-5/1949	2.87 4-5/1949	3.38 4-5/1949
Feb.	Amt. Date	0.63 13/1946	1.03 13/1946	1.20 13/1946	1.98E 13/1948	3.94 E 12-13/1948	4.94 E 12-13/1948
Mar.	Amt. Date	0.80 16/1942	1.28 26/1944	1.70 16/1942	1.81 26-27/1944	2.18 26-27/1944	2.18 26-27/1944
Apr.	Amt. Date	0.65 11/1944	0.92 11/1944	1.17 4/1941	1.89 4/1941	2.43 4/1941	3.20 3-4/1941
May	Amt. Date	1.67 27/1948	1.77 27/1948	1.77 27/1948	1.77 27/1948	1.80 9-10/1945	1.85 9-10/1945
Jun.	Amt. Date	1.96 19/1948	2.61 19/1948	2.91 19/1948	2.93 19/1948	2.93 19/1948	3.05 18-19/1948
Jul.	Amt. Date	1.95 26/1943	3.43 12/1941	3.43 12/1941	3.49 12/1941	3.53 12-13/1941	3.87 12-13/1941
Aug.	Amt. Date	1.32 23/1945	1.70 13/1948	1.70 13/1948	1.70 13/1948	2.42 31-1/1944	2.61 31-1/1944
Sep.	Amt. Date	1.13 9/1946	2.07 29/1944	2.52 29/1944	3.58 29/1944	5.03 29/1944	6.45 29/1944
Oct.	Amt. Date	0.68 14/1949	1.04 14/1949	1.48 14/1949	1.56 14/1949	1.56 14/1949	1.70E 4-5/1948
Nov.	Amt. Date	0.92 19/1948	1.12 19/1948	1.23 19/1948	1.92 19/1948	2.49 19/1948	2.49 19/1948
Dec.	Amt. Date	0.82 27/1942	1.08 27/1942	1.32 27/1942	1.80 27/1942	2.80 27-28/1942	3.30 27-28/1942
Annual	Amt. Date	1.96 6/19/48	3.43 7/12/41	3.43 7/12/41	3.58 9/29/44	5.03 9/29/44	6.45 9/29/44

File No. 50028-

U. S. WEATHER BUREAU

Station: RODDY, TENNESSEE

Drainage basin: TENNESSEE

County: RHEA

Lat. 35° 46' N Long. 84° 46' W

Elev.(ft.) 800

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.64 20/1947	0.96 30/1950	1.13 30/1950	2.00 7/1946	2.90 7/1946	4.37 29-30/1950
Feb.	Amt. Date	0.95 17/1944	1.07 17/1944	1.26 13/1948	1.66 13/1948	2.37 12-13/1945	3.48 12-13/1945
Mar.	Amt. Date	0.62 18/1949	0.86 26-27/1944	1.18 26-27/1944	1.48 26-27/1944	2.10 26-27/1944	2.36 26-27/1944
Apr.	Amt. Date	1.41 6/1948	1.52 6/1948	2.22 16/1945	3.20 16/1945	3.22 16/1945	3.24 16-17/1945
May	Amt. Date	0.78 21/1947	1.09 21/1947	1.28 21/1947	1.35 21/1947	1.49 14/1946	2.52 20-21/1947
Jun.	Amt. Date	1.10 21/1947	1.39 21/1947	1.59 21/1947	1.78 21/1947	1.80 21/1947	2.33 21-22/1947
Jul.	Amt. Date	1.17 28/1948	1.86 28/1948	2.47 28/1948	3.22 28/1948	3.65 28-29/1945	4.22 28-29/1945
Aug.	Amt. Date	1.10 25/1947	1.18 25/1947	1.19 29/1950	1.39 29/1950	1.79 29-30/1950	2.15E 29-30/1950
Sep.	Amt. Date	0.82 29/1944	1.63 29/1944	1.83 29/1944	3.05 29/1944	4.64 29/1944	6.87 28-29/1944
Oct.	Amt. Date	0.50 18/1947	0.61 16/1949	0.83 16/1949	1.24 17/1949	1.57 17/1949	1.94 16-17/1949
Nov.	Amt. Date	0.94 5/1948	1.30 5/1948	1.53 28/1948	2.55 28/1948	3.30 28/1948	4.49 28-29/1948
Dec.	Amt. Date	0.70 15/1948	0.93 15/1948	1.09 15/1947	1.69 15-16/1948	1.79 15/1947	2.70 4/1945
Annual	Amt. Date	1.41 4/6/48	1.86 7/28/48	2.47 7/28/48	3.22 7/28/48	4.64 9/29/44	6.87 9/28-29/44

File No. 50028-

U. S. WEATHER BUREAU

Station: SAMBURG, TENNESSEE

Drainage basin: MISSISSIPPI

County: OBION

Lat. 36° 23'N Long. 89° 21'W

Elev.(ft.) 290

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.80 29/1947	1.23 31-1/1948	1.68 31-1/1948	2.01 31-1/1948	2.51 8/1946	3.60 8/1946
Feb.	Amt. Date	0.79 12/1950	1.11 12/1950	1.38 12/1950	2.16 12-13/1950	2.75 12-13/1950	4.57 12-13/1950
Mar.	Amt. Date	1.14 26/1949	1.22 27/1950	1.38 27/1950	1.98 30/1945	2.50 26-27/1950	3.03 25-26/1949
Apr.	Amt. Date	1.15 10/1944	1.86 10/1944	1.98 10/1944	2.01 10/1944	2.36 10/1944	2.86 10-11/1944
May	Amt. Date	2.95 19/1947	3.78 19/1947	4.18 19/1947	4.23 19/1947	4.28 19/1947	4.83 19/1947
Jun.	Amt. Date	1.90 8/1945	2.40 8/1945	2.55 8/1945	2.75 8/1945	3.68 8-9/1945	5.67 8-9/1945
Jul.	Amt. Date	1.63 23/1950	2.48 23/1950	3.23 23/1950	3.30 23/1950	3.30 23/1950	3.30 23/1950
Aug.	Amt. Date	1.88 11/1942	2.15 11/1942	2.30 11/1942	2.56 11/1942	2.56 11/1942	2.56 11/1942
Sep.	Amt. Date	0.95 3/1948	1.11 4/1944	1.13 4/1944	1.67 5/1948	2.10 30-1/1945	3.60 30-1/1945
Oct.	Amt. Date	0.80 1/1945	1.40 1/1945	1.85 1/1945	2.05 1/1945	2.75 4/1949	3.60 30-1/1945
Nov.	Amt. Date	1.10 21/1942	1.35 21/1942	1.56 6/1942	1.60 6/1942	1.60 6/1942	2.29 25-26/1946
Dec.	Amt. Date	1.03 31/1947	1.48 31/1947	1.70 31/1947	2.01 31-1/1947	2.10 31-1/1947	3.08 14-15/1948
Annual	Amt. Date	2.95 5/19/47	3.78 5/19/47	4.18 5/19/47	4.23 5/19/47	4.28 5/19/47	5.67 6/8-9/45

File No. 50028-



U. S. WEATHER BUREAU

Station: SASSAFRAS KNOB, TENNESSEE

Drainage basin: HIWASSEE

County: POLK

Lat. 35° 06' N Long. 84° 25' W

Elev.(ft.) 3300

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.52 30/1947	0.86a 20/1947	1.13 18-19/1950	1.96 19-20/1947	2.98 19-20/1947	3.79 4-5/1949
Feb.	Amt. Date	0.88 26/1944	1.17 17/1945	1.34 17/1945	1.71 26-27/1944	2.61 12-13/1945	3.02 9-10/1946
Mar.	Amt. Date	0.83 31/1949	1.32 31/1949	1.69 31/1949	1.84b 31/1949	2.80 12-13/1950	4.46 12-13/1950
Apr.	Amt. Date	1.19 28/1949	2.11 28/1949	2.44 28/1949	3.27 28/1949	3.59 28/1949	3.86 27-28/1949
May	Amt. Date	0.90 15/1946	1.19 15/1946	1.53 21/1947	2.15 21/1947	2.35 21/1947	3.26 15-16/1946
Jun.	Amt. Date	1.43 27/1948	2.19 27/1948	2.23 27/1948	2.70 14/1946	3.53 14/1946	3.68 14/1946
Jul.	Amt. Date	1.20 11/1949	1.30 11/1949	1.75 11/1949	1.90 11-12/1949	1.90 11-12/1949	2.52 13-14/1945
Aug.	Amt. Date	1.91 12/1943	2.13 17/1944	2.20 17/1944	2.51 12/1943	2.54 12/1943	2.54 12/1943
Sep.	Amt. Date	2.41 21/1947	2.41 21/1947	2.41 21/1947	2.41 21/1947	2.70 5-6/1949	3.07 19-20/1943
Oct.	Amt. Date	1.20 6/1949	1.56 6/1949	1.64 6/1949	2.59 30/1949	3.71 30/1949	5.19 30-31/1949
Nov.	Amt. Date	0.99 6/1948	1.12 6/1948	1.36 6/1948	1.89 19/1948	2.44 19/1948	2.51 8-9/1946
Dec.	Amt. Date	0.48 4/1945	0.64 15/1947	0.88 15/1947	1.40 6-7/1950	1.91 6-7/1950	2.31 3-4/1945
Annual	Amt. Date	2.41 9/21/1947	2.41 9/21/1947	2.44 4/28/1949	3.27 4/28/1949	3.71 10/30/49	5.19 10/30-31/49

File No. 50028- a ALSO 18/50  
b " 12-13/50

U. S. WEATHER BUREAU

Station: SAVANNAH, TENNESSEE

Drainage basin: TENNESSEE

County: HARDIN

Lat. 35° 13'N Long. 88° 14'W

Elev.(ft.) 450

Period of record: 1945-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.18 6/1946	1.97 6/1946	2.24 6/1946	3.33 6/1946	5.68 6-7/1946	6.96 6-7/1946
Feb.	Amt. Date	0.82 13/1948	1.04 13/1948	1.52 12/1948	2.08 21/1945	3.24 12-13/1948	5.30 12-13/1948
Mar.	Amt. Date	1.54 26/1948	2.04 26/1948	2.08 26/1948	2.08 26/1948	2.08 26/1948	2.21 25-26/1946
Apr.	Amt. Date	1.77 7/1948	1.87 7/1948	2.42 7/1948	2.74 7-8/1948	3.73 7-8/1948	3.78 7-8/1948
May	Amt. Date	2.09 7/1949	2.12 7/1949	2.12 7/1949	2.12 7/1949	2.18 20-21/1949	3.83 7-8/1949
Jun.	Amt. Date	0.80 15/1948	1.00 10/1950	1.20 10/1950	1.24 14/1945	1.64 15-16/1948	2.30 14-15/1945
Jul.	Amt. Date	2.36 17/1949	2.44 17/1949	2.44 17/1949	2.46 17/1949	2.46 17/1949	2.46 17/1949
Aug.	Amt. Date	2.00 12/1949	2.01 12/1949	2.10 12/1949	2.43 25/1950	2.72 25/1950	3.01 25/1950
Sep.	Amt. Date	0.94 29/1945	1.06 29/1945	1.24 13/1945	1.60 29/1945	2.33 29/1945	2.40 29-30/1945
Oct.	Amt. Date	0.68 5/1949	0.90 21/1949	1.19 21/1949	1.23 21-22/1949	1.28 21-22/1949	1.28 21-22/1949
Nov.	Amt. Date	0.79 16/1946	1.33 16/1946	1.49 16/1946	2.48 18/1948	4.39 18/1948	5.15 18-19/1948
Dec.	Amt. Date	0.69 12/1949	1.22 11-12/1949	1.71 15/1948	2.71 15/1948	2.84 15-16/1948	3.76 15-16/1948
Annual	Amt. Date	2.36 7/17/49	2.44 7/17/49	2.44 7/17/49	3.33 1/6/46	5.68 1/6-7/46	6.96 1/6-7/46

File No. 50028-

U. S. WEATHER BUREAU

Station: SHADY GROVE, TENNESSEE\*

Drainage basin: DUCK

County: HICKMAN

Lat. 35° 43'N Long. 87° 17'W

Elev.(ft.) 580

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.00 6/1946	1.58 6/1946	1.73 6-7/1946	2.84 6-7/1946	3.51 6-7/1946	4.94 6-7/1946
Feb.	Amt. Date	1.03 16/1944	1.58 12/1948	2.10 12/1948	3.06 12/1948	4.48 12-13/1948	6.11 12-13/1948
Mar.	Amt. Date	1.01 12/1943	1.41 12/1943	1.61 12/1943	2.06 12-13/1943	2.27 12-13/1943	2.27 12-13/1943
Apr.	Amt. Date	0.77 11/1944	1.20 24/1945	1.21 24/1945	2.25 28/1945	2.41 28/1945	2.44 28/1945
May	Amt. Date	0.88 16/1945	1.01 16/1945	1.03 <sup>a</sup> 16/1945	1.38 21/1947	1.95 4/1944	2.11 3-4/1944
Jun.	Amt. Date	1.11 15/1949	1.59 28/1949	1.77 28/1949	1.97 15/1949	2.75 14/1949	4.64 14-15/1949
Jul.	Amt. Date	1.71 10/1941	2.10 15/1947	2.12 15/1947	2.13 15/1947	2.17 15-16/1947	2.17 15-16/1947
Aug.	Amt. Date	1.73 15/1947	2.67 15/1947	2.73 15/1947	2.75 15/1947	2.75 15/1947	3.50 4-5/1942
Sep.	Amt. Date	1.02 2/1943	1.67 2/1943	1.85 2/1943	2.43 19/1943	3.42 28-29/1944	4.26 28-29/1944
Oct.	Amt. Date	1.31 14/1949	1.70 14/1949	1.88 14/1949	2.32 14/1949	3.00 14/1949	3.11 13-14/1949
Nov.	Amt. Date	1.09 20/1950	1.30 20/1950	2.28 20/1950	2.59 20/1950	2.67 19-20/1950	2.80 19-20/1950
Dec.	Amt. Date	1.10 27/1942	1.70 27/1942	2.20 27/1942	2.78 27/1942	3.10 27/1942	3.44 31-1/1944
Annual	Amt. Date	1.73 8/15/47	2.67 8/15/47	2.73 8/15/47	3.06 2/12/48	4.48 2/12-13/48	6.11 2/12-13/48

File No. 50028-<sup>a</sup>

Also 21/1947

\*Formerly Duck River, Tennessee

U.S. WEATHER BUREAU

Station: SPRINGFIELD, TENNESSEE

Drainage basin: CUMBERLAND

County: ROBERTSON

Lat. 36° 26' N Long. 86° 51' W

Elev.(ft.) 595

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.99 15/1947	1.31 15/1947	1.62 15/1947	1.80 15/1947	1.95 5/1950	2.97 4-5/1950
Feb.	Amt. Date	1.29 8/1950	1.70 8/1950	2.03 8-9/1950	2.10 8-9/1950	2.27 12-13/1948	4.33 12-13/1948
Mar.	Amt. Date	0.64 29/1944	1.01 29/1944	1.17 17/1949	1.84 17/1949	2.19 17-18/1949	2.30 17-18/1949
Apr.	Amt. Date	1.00 15/1945	1.26 25/1950	1.43 15/1947	1.82 15-16/1947	2.82 8-9/1942	3.48 8-9/1942
May	Amt. Date	1.38 19/1942	1.45 13/1943	1.95 13/1943	2.06 13/1943	2.18 19/1942	2.28 6-7/1950
Jun.	Amt. Date	1.12 26/1949	1.47 26/1949	1.52 26/1949	1.53 26/1949	2.11 14/1949	2.71 14-15/1949
Jul.	Amt. Date	1.05 3/1941	1.28 25/1950	1.46 8-9/1942	1.73 8-9/1942	2.59 3-4/1941	2.87 3-4/1941
Aug.	Amt. Date	2.03 12/1941	3.83 12/1941	3.86 12/1941	3.98 12/1941	4.04 12/1941	4.20 12/1941
Sep.	Amt. Date	1.12 10/1945	1.40 10/1945	1.41 2/1943	1.53 7/1950	1.90 28-29/1944	1.96 28-29/1944
Oct.	Amt. Date	1.58 5/1944	2.83 5/1944	3.25 5/1944	3.85 5/1944	4.00 5/1944	4.00 5/1944
Nov.	Amt. Date	0.63 <sup>a</sup> 1/1943	1.07 18/1948	1.53 18/1948	2.34 18-19/1948	3.32 18-19/1948	3.46 18-19/1948
Dec.	Amt. Date	0.81 15/1948	1.20 15/1948	1.57 15/1948	2.37 11-12/1949	2.84 15/1948	3.68 11-12/1949
Annual	Amt. Date	2.03 8/12/41	3.83 8/12/41	3.86 8/12/41	3.98 8/12/41	4.04 8/12/41	4.33 2/12-13/48

File No. 50028- <sup>a</sup> Also 18/1948

U.S. WEATHER BUREAU

Station: STANLEY KNOBS, TENNESSEE

Drainage basin: HOLSTON

County: HAWKINS

Lat. 36° 31'N Long. 82° 54'W

Elev.(ft.) 1250

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.39 30/1950	0.61 7/1946	0.73 30/1950	1.19 7/1946	2.07 30/1950	3.04 29-30/1950
Feb.	Amt. Date	0.36 17/1945	0.64 17/1944	0.86 9/1950	1.38 9/1950	2.11 17/1944	2.55 16-17/1944
Mar.	Amt. Date	0.49 27/1944	0.74 27/1944	0.94 18/1949	1.46 27/1944	1.91 17-18/1949	1.96 17-18/1949
Apr.	Amt. Date	0.76 22/1949	1.04 22/1949	1.12 22/1949	1.18 22/1949	1.21 27/1949	1.23 27/1949
May	Amt. Date	0.85 17/1945	1.00 22/1949	1.01 22/1949	1.11 7/1950	1.70 25-26/1945	1.70 25-26/1945
Jun.	Amt. Date	1.11 3/1944	1.40 3/1944	1.43 3/1944	1.43 3/1944	1.75 15/1943	1.75 15/1943
Jul.	Amt. Date	1.39 15/1946	1.55 10/1945	1.69 15/1946	1.88 10/1945	1.90 10/1945	2.18 12-13/1949
Aug.	Amt. Date	1.70 3/1949	1.86 3/1944	1.86 3/1944	2.07 29/1950	2.07 29/1950	2.12 4-5/1943
Sep.	Amt. Date	0.79 4/1944	0.98 29/1944	1.34 29/1944	2.22 29/1944	2.64 28-29/1944	3.12 28-29/1944
Oct.	Amt. Date	0.70 12/1949	0.79 12-13/1949	0.81 12-13/1949	0.90 25/1946	1.21 30/1949	1.64 30-31/1949
Nov.	Amt. Date	0.49 20/1950	0.69 20/1950	0.80 20/1950	1.11 20/1950	1.22 15/1944	1.68E 27-28/1948
Dec.	Amt. Date	0.71 16/1948	1.06 16/1948	1.20 16/1948	1.36 16/1948	1.58 15-16/1948	2.00 4/1945
Annual	Amt. Date	1.70 8/3/49	1.86 8/3/44	1.86 8/3/44	2.22 9/29/44	2.64 9/28-29/44	3.12 9/28-29/44

File No. 50028-

U. S. WEATHER BUREAU

Station: SUGAR HILL, TENNESSEE

Drainage basin: DUCK

County: PERRY

Lat. 35° 33'N Long. 87° 49'W

Elev.(ft.) 610

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.51 1/1948	2.42 1/1948	3.37 1/1948	4.47 6-7/1946	6.53 6-7/1946	7.50 6-7/1946
Feb.	Amt. Date	1.43 12/1948	2.05 12/1948	2.61 12/1948	3.73 12/1948	5.02 12-13/1948	7.13 12-13/1948
Mar.	Amt. Date	1.25 26/1948	1.46 26/1948	1.46 26/1948	1.61 6/1946	1.97 12-13/1950	2.30 12-13/1950
Apr.	Amt. Date	1.14 11/1943	1.65 11/1943	2.20 11/1943	2.61 11-12/1943	2.64 11-12/1943	2.64 11-12/1943
May	Amt. Date	1.17 9/1949	1.27 9/1949	1.41 9/1949	1.64 9/1949	1.73 20-21/1947	2.15 4-5/1944
Jun.	Amt. Date	1.75 12/1949	2.05 12/1949	2.07 12/1949	2.07 12/1949	2.16 12/1949	2.18 12-13/1949
Jul.	Amt. Date	2.28 21/1946	2.39 21/1946	2.39 21/1946	2.39 21/1946	2.39 21/1946	2.39 21/1946
Aug.	Amt. Date	4.88 26/1944	7.38 26/1944	8.06 26/1944	8.16 26/1944	8.17 26/1944	8.32 26-27/1944
Sep.	Amt. Date	1.33 29/1945	1.39 29/1945	1.55 17/1942	1.93 29/1945	2.07 29/1945	2.44 31-1/1944
Oct.	Amt. Date	1.10 8/1949	1.12 8/1949	1.14 31/1942	1.55 31/1942	2.15 30-31/1942	2.36 30-31/1942
Nov.	Amt. Date	1.26 5/1948	1.54 5/1948	1.60 5/1948	1.96 20/1950	3.07 18-19/1948	4.00 18-19/1948
Dec.	Amt. Date	0.81 12/1949	1.04 16/1948	1.20 16/1948	1.79 16/1948	3.28 31/1944	4.14 31-1/1944
Annual	Amt. Date	4.88 8/26/44	7.38 8/26/44	8.06 8/26/44	8.16 8/26/44	8.17 8/26/44	8.32 8/26-27/44

File No. 50028-

U. S. WEATHER BUREAU

Station: SUMMITVILLE, TENNESSEE

Drainage basin: CANEY FORK

County: COFFEE

Lat. 35° 33'N Long. 85° 59'W

Elev.(ft.) 1120

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.67 7/1946	1.00 5/1949	1.36 5/1949	2.14 5/1949	3.78 4-5/1949	4.97 4-5/1949
Feb.	Amt. Date	0.81 13/1946	1.21 13/1948	1.64 12-13/1948	2.94 12-13/1948	3.82 12-13/1948	5.27 12-13/1948
Mar.	Amt. Date	0.76 27/1949	1.10 26/1944	1.28 26/1944	1.66 26-27/1944	2.45 16/1948	2.46 16/1948
Apr.	Amt. Date	0.70 <sup>a</sup> 12/1943	1.01 12/1943	1.29 12/1943	1.60 16/1945	1.68 18-19/1943	1.88 18-19/1943
May	Amt. Date	1.53 28/1944	2.27 28/1944	2.71 28/1944	2.72 28/1944	2.72 28/1944	2.79 28/1944
Jun.	Amt. Date	1.14 28/1949	1.44 28/1949	1.57 28/1949	1.73 28/1949	2.09 15/1949	2.60 14-15/1949
Jul.	Amt. Date	1.27 1/1945	1.98 19/1943	2.03 19/1943	2.05 1/1945	2.08 1/1945	2.19 1/1945
Aug.	Amt. Date	1.78 24/1947	2.67 24/1947	2.68 24/1947	2.68 24/1947	4.12 31-1/1944	4.12 31-1/1944
Sep.	Amt. Date	1.51 1/1944	2.81 1/1944	3.83 1/1944	3.83 1/1944	4.12 31-1/1944	4.12 31-1/1944
Oct.	Amt. Date	1.20 4/1948	1.40 4/1948	1.56 4/1948	1.70 4/1948	2.51 4/1948	2.60 4/1948
Nov.	Amt. Date	0.97 20/1950	1.47 20/1950	1.62 20/1950	1.99 21/1945	2.55 19/1948	2.71 10-11/1946
Dec.	Amt. Date	0.62 5/1948	0.85 <sup>E</sup> 15/1948	1.18 15/1948	1.85 15/1948	2.65 27-28/1942	3.50 27-28/1942
Annual	Amt. Date	1.78 8/24/47	2.81 9/1/44	3.83 9/1/44	3.83 9/1/44	4.12 <sup>b</sup> 8/31-1/44	5.27 2/12-13/48

File No. 50028- a Also 16/1945  
b Also 9/31-1/44

U.S. WEATHER BUREAU

Station: SUNBRIGHT, TENNESSEE

Drainage basin: CUMBERLAND

County: MORGAN

Lat. 36° 14'N Long. 84° 42'W

Elev.(ft.) 1495

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.02 7/1946	1.57 7/1946	1.88 7/1946	2.30 7/1946	3.25 7/1946	4.03 4-5/1949
Feb.	Amt. Date	0.73 22/1944	1.07 13/1948	1.50 12-13/1948	2.32 12-13/1948	2.65 12-13/1948	3.28 12-13/1948
Mar.	Amt. Date	1.38 16/1945	1.38 16/1945	1.90 16/1942	1.99 16-17/1942	1.99 16-17/1942	2.02 16-17/1942
Apr.	Amt. Date	1.20 11/1944	1.43 11/1944	1.54 11/1944	1.90 4/1941	2.51 3-4/1941	2.84 4/1941
May	Amt. Date	0.84 23/1940	1.04 23/1940	1.20 23/1940	1.33 7/1950	1.80 11-12/1950	2.19 20-21/1947
Jun.	Amt. Date	2.23 29/1944	2.25 29/1944	2.25 29/1944	2.32 1/1946	2.51 29/1944	3.03 1-2/1946
Jul.	Amt. Date	1.29 11/1941	1.63 3/1941	1.67 3/1941	1.72 3/1941	1.92 4/1941	3.45 3-4/1941
Aug.	Amt. Date	1.68 13/1942	1.44 13/1942	1.44 13/1942	1.87 6/1945	1.95 6/1945	1.99 5-6/1945
Sep.	Amt. Date	1.10 29/1944	1.49 29/1944	1.86 29/1944	2.71 29/1944	4.15 28-29/1944	5.04 28-29/1944
Oct.	Amt. Date	0.99 4/1948	1.12 4/1948	1.25 4/1948	1.43 11-12/1946	1.82 11-12/1946	1.91 11-12/1946
Nov.	Amt. Date	0.80 5/1948	1.39 5/1948	1.92 5/1948	2.84 5/1948	3.92 5-6/1948	4.00 28-29/1948
Dec.	Amt. Date	0.60 31/1944	0.79 31/1944	0.88 18/1949	1.25 28-29/1942	176E 4/1945	2.31E 3-4/1945
Annual	Amt. Date	2.23 6/29/44	2.25 6/29/44	2.25 6/29/44	2.84 11/5/48	4.15 9/28-29/44	5.04 9/28-29/44

File No. 50028-



U.S. WEATHER BUREAU

Station: UNION CITY, TENNESSEE

Drainage basin: TENNESSEE

County: OBION

Lat. 36° 25' N Long. 89° 03' W

Elev.(ft.) 340

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.61 2/1950	0.88 2/1950	1.11 2/1950	1.66 2/1950	2.16 2/1950	2.36 2-3/1950
Feb.	Amt. Date	0.82 21/1944	1.04 21/1944	1.11 12-13/1950	2.19 12-13/1950	2.98 12-13/1950	3.48 12-13/1950
Mar.	Amt. Date	1.40 26/1949	1.52 26/1949	1.65 26/1949	1.97 15/1948	2.14 30/1945	2.73 26/1949
Apr.	Amt. Date	1.60 10/1944	1.84 10/1944	1.91 10/1944	2.48 1/1945	2.84 1/1945	3.02 1-2/1945
May	Amt. Date	1.27 24/1946	1.52 24/1946	1.66 24/1946	2.05 24-25/1946	2.61 9-10/1945	2.74 9-10/1945
Jun.	Amt. Date	1.59 8/1945	2.88 8/1945	3.23 8/1945	3.73 7-8/1945	4.19 7-8/1945	5.19 7-8/1945
Jul.	Amt. Date	2.31 10/1946	2.56 10/1946	2.57 10/1946	2.68 11/1949	2.98 4/1950	3.10 3-4/1950
Aug.	Amt. Date	1.20 15/1950	1.70 15/1950	1.75 15/1950	1.83 15/1950	1.89E 22-23/1942	2.05 22-23/1942
Sep.	Amt. Date	1.05 21/1945	1.23 9/1947	1.39 9/1947	1.99 9/1947	2.33 4-5/1948	2.66 30-1/1945
Oct.	Amt. Date	1.09 12/1949	1.66 12/1949	1.90 12/1949	2.41 26-27/1947	2.85 26-27/1947	3.22 3-4/1949
Nov.	Amt. Date	1.00 21/1942	1.28 21/1942	1.28 21/1942	1.71 21/1942	2.07 21-22/1942	2.27 19-20/1950
Dec.	Amt. Date	0.55a 28/1946	0.80 28/1946	0.95 2/1950	1.44 9-10/1947	1.79 15/1948	2.81 14-15/1948
Annual	Amt. Date	2.31 7/10/46	2.88 6/8/45	3.23 6/8/45	3.73 6/7-8/45	4.19 6/7-8/45	5.19 6/7-8/45

File No. 50028-<sup>a</sup> Also 11/1949

U. S. WEATHER BUREAU

Station: VICTORY, TENNESSEE \*

Drainage basin: TENNESSEE

County: WAYNE

Lat. 35° 06' N Long. 87° 51' W

Elev.(ft.) 890

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.90a 30/1947	1.09 10/1950	1.21 10/1950	1.74 26/1950	1.99 5/1950	2.73 4-5/1950
Feb.	Amt. Date	0.70 23/1946	1.03 8/1944	1.34b 8/1944	2.23 12-13/1948	3.56 12-13/1948	5.68 12-13/1948
Mar.	Amt. Date	1.11 26/1949	1.61 26/1949	1.95 26/1949	2.61 26/1949	3.25 26-27/1944	3.26 26-27/1944
Apr.	Amt. Date	0.83 1/1945	1.08 1/1945	1.50 27/1945	2.12 27/1945	2.12 27/1945	2.12 27/1945
May	Amt. Date	0.95 27/1943	1.10 27/1943	1.35 27/1943	1.57 27/1943	1.57 27/1943	2.54 20-21/1947
Jun.	Amt. Date	1.21 15/1942	1.35 24/1949	1.35 24/1949	1.59 9-10/1949	1.60 9-10/1949	2.09E 2-3/1950
Jul.	Amt. Date	1.10 17/1948	1.90 17/1948	2.00 17/1948	2.23 15/1950	3.02 15/1950	3.02 15/1950
Aug.	Amt. Date	2.51 10/1943	2.54 10/1943	2.65 31/1944	3.03 31/1944	3.52 30-31/1944	4.07 30-31/1944
Sep.	Amt. Date	1.15 9/1947	1.54 23/1945	1.80 23/1945	1.92 29/1944	2.36 28-29/1944	3.98 31-1/1944
Oct.	Amt. Date	0.79 9/1941	1.36 31/1940	1.75 31/1940	2.33 31-1/1940	2.52 31-1/1940	2.53 31-1/1940
Nov.	Amt. Date	1.01 18/1948	1.98 18/1948	2.38 18/1948	3.37 18/1948	4.62 18-19/1948	4.95 18-19/1948
Dec.	Amt. Date	1.26 27/1942	2.24 27/1942	2.98 27/1942	3.46 27/1942	3.99 27/1942	4.46 26-27/1942
Annual	Amt. Date	2.51 8/10/43	2.54 8/10/43	2.98 12/27/42	3.46 12/27/42	4.62 11/18-19/48	4.95 11/18-19/48

File No. 50028- \* Formerly LUTTS, TENN.

a Also 18/1949 b Also 12/1948

U. S. WEATHER BUREAU

Station: WATTS BAR DAM, TENNESSEE

Drainage basin: TENNESSEE

County: RHEA

Lat. 35° 37' N Long. 84° 47' W

Elev.(ft.) 830

Period of record: 1940-1945

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.42 30/1942	0.77 30/1942	0.88 30/1942	0.90 30/1942	1.12 31-1/1942	1.70 25-26/1943
Feb.	Amt. Date	0.55 26/1944	0.76 12/1945	0.99 12/1945	1.76 16/1942	2.50 12-13/1945	2.73 12-13/1945
Mar.	Amt. Date	0.74 19/1943	0.79 19/1943	0.92 8/1942	1.67 8/1942	1.85 8/1942	1.91 28/1944
Apr.	Amt. Date	0.80 16/1945	0.99 24/1945	1.38 16/1945	2.27 16/1945	2.39 3-4/1941	2.81 3-4/1941
May	Amt. Date	0.57 27/1942	0.69 20/1942	0.89 20/1942	1.05 20/1942	1.33 5/1944	1.83 19-20/1942
Jun.	Amt. Date	1.71 25/1941	1.82 10/1941	2.16 10/1941	2.17 10/1941	2.17 10/1941	2.39 9-10/1941
Jul.	Amt. Date	1.48 11/1942	1.62 19/1944	1.62 19/1944	1.73 8-9/1942	1.92 8-9/1942	3.44 4-5/1941
Aug.	Amt. Date	1.31 29/1940	2.37 29/1940	2.91 29/1940	2.99 29/1940	3.02 29/1940	3.61 28-29/1940
Sep.	Amt. Date	0.85 9/1942	1.13 9/1942	1.16 29/1944	1.69 29/1944	2.60 29/1944	3.65 28-29/1944
Oct.	Amt. Date	0.77 4/1941	1.24 4/1941	1.32 4/1941	1.40 4/1941	1.55 3-4/1941	1.69 3-4/1941
Nov.	Amt. Date	0.55 11/1942	0.78 11/1942	0.88 11/1942	1.01 11/1942	1.29 11/1942	1.91 10-11/1942
Dec.	Amt. Date	0.52 28/1942	1.00 28/1942	1.44 28/1942	2.25 28/1942	3.33 27-28/1942	4.42 27-28/1942
Annual	Amt. Date	1.71 6/25/41	2.37 8/29/40	2.91 8/29/40	2.99 8/29/40	3.33 12/27-28/42	4.42 12/27-28/42

File No. 50028-

U. S. WEATHER BUREAU

Station: WHITE HOLLOW, TENNESSEE\*

Drainage basin: CLINCH

County: CAMPBELL

Lat. 36° 22'N Long. 83° 54'W

Elev.(ft.) 1500

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.98 31/1949	1.20 7/1946	1.33 7/1946	1.79 7/1946	3.07 7/1946	3.69 7-8/1946
Feb.	Amt. Date	0.99 10/1946	1.59 10/1946	1.59 10/1946	1.59 10/1946	2.01 17/1944	2.69E 12/1948
Mar.	Amt. Date	1.04 18/1943	1.24 19/1943	1.49E 19/1943	1.73 19/1943	1.80 17-18/1949	2.82 18-19/1943
Apr.	Amt. Date	0.82 16/1945	1.12 16/1945	1.49 16/1945	1.70 16-17/1945	1.70 16-17/1945	2.04 3-4/1941
May	Amt. Date	2.60 17/1950	2.68 17/1950	2.68 17/1950	2.68 17/1950	2.68 17/1950	2.70 17-18/1950
Jun.	Amt. Date	0.84 16/1943	1.14 16/1943	1.15 16/1943	1.15 16/1943	1.51 19/1945	1.89 7-8/1945
Jul.	Amt. Date	1.16 1/1946	1.46 1/1946	1.50 1/1946	1.55 1/1946	1.99a 4/1941	2.78 4-5/1941
Aug.	Amt. Date	0.88 22/1947	1.00 23/1945	1.27 23/1945	1.32 23/1945	1.32 23/1945	2.07 31-1/1944
Sep.	Amt. Date	1.20 1/1944	1.60 1/1944	1.70 1/1944	3.00 29/1944	3.92 28-29/1944	4.73 28-29/1944
Oct.	Amt. Date	0.70 12/1949	0.79 12/1949	0.88 25/1946	1.47 25/1946	1.74 25/1946	1.74 25/1946
Nov.	Amt. Date	0.66 15/1944	1.06 15/1944	1.11 15/1944	1.69 28/1948	2.13 28/1948	3.00 28-29/1944
Dec.	Amt. Date	0.59 28/1940	0.79 28/1940	0.98 28/1940	1.28 28/1940	1.60 6-7/1950	2.14 29-30/1942
Annual	Amt. Date	2.60 5/17/50	2.68 5/17/50	2.68 5/17/50	3.00 9/29/44	3.92 9/28-29/44	4.73 9/28-29/44

File No. 50028-

\*Formerly Sharps Chapel, Tennessee  
a Also 30/1943