Agricultural Drouth Probabilities in Tennessee

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John M. Safley, Jr. and William L. Parks*

An understanding of natural conditions which affect soil water status and the response of plants to that status is needed to guide efficient water management for crops.

Irrigation experiments provide information on adequate soil moisture levels for profitable crop response (8, 9); however, these efforts must be supported by knowledge concerning the general soil moisture condition through time in the area where irrigation data are applied. Moisture stress conditions must be described in terms of the relative frequency of occurrence and how occurrence is related to the nature of crop and soil. Human activities related to crop production are intimately related to soil moisture conditions during the preplanting period, the growing season, and the time of harvest.

In this work special attention has been given to the growing season for purposes of evaluating water use models in relation to crop yields.

Agricultural drouth is a result of soil moisture deficiencies. The occurrence of agricultural drouth is related to the pattern of precipitation, but it is generally an effect of it. The rate at which crops use soil water and the capacity of the soil for moisture entry and retention influence the pattern and intensity of agricultural drouth.

It is the purpose of this bulletin to describe a method for characterizing agricultural drouth and to apply it to conditions within the state of Tennessee.

GENERAL CLIMATE OF TENNESSEE

The climate of Tennessee is classified as Humid Mesothermal. It is characterized by a definite seasonal rhythm caused by passage of migratory 'high' and 'low' pressure systems across the state in an easterly direction. Weather systems which influence the state originate either in the interior portion of North America or over the Gulf of Mexico. The latter is the primary source of moisture and warm air.

The annual average precipitation varies widely across the state (Table 1). In West Tennessee rainfall ranges from about 48 inches in the Mississippi bottom-

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lands in the northwest to 55 inches in the low hills of the southeastern area. Middle Tennessee experiences about 45 inches in the northern region to about 55 inches in the south. Precipitation patterns in East Tennessee also follow the same trend as evidenced in the other regions. Average annual precipitation ranges from about 42 inches in the northern portion of the Ridge and Valley Province to over 50 inches in the southern region and 60 inches on the southern Cumberland Plateau. The mountainous eastern portion of East Tennessee receives more rainfall than anywhere else in the state. Over 80 inches of rain per year is usual on the higher peaks of the Appalachian and Unaka Ranges.

The general trend from north to south of increasing precipitation is more pronounced in winter and early spring due to frequent storm systems which pass over the northern portion of the state. A secondary maximum of precipitation occurs in midsummer due to thundershower activity. Hail is occasionally associated with these localized storms. Tornadic winds are occasional during periods of severe thunderstorm activity. Seasonal snowfall averages 5 to 10 inches in West Tennessee, 4 to 6 inches in Middle Tennessee, and from 4 to 24 inches in East Tennessee depending upon elevation.

Average annual evapotranspiration for the state (Table 2) ranges from 26.21 inches at Crossville on the Cumberland Plateau to 33.75 inches in Memphis near the Mississippi River. With the exception of a few locations, evapotranspiration tends to decrease from the southern tier of counties to those along the northern border.

The average annual temperature of 60° F in West Tennessee is the warmest in the state. Average annual temperature varies from about 60° F in the Central Basin to 55° F on the Highland Rim; mean annual temperatures in the Ridge and Valley Province increase from north to south. Temperatures of the southern counties of East Tennessee are comparable to those of Middle and West Tennessee. The period between last freeze in spring and the first freeze in fall extends from early April through most of October. The average date of last freeze in spring at lower elevations in West Tennessee ranges from March 20 in the southwest to April 6 in the north. Average first date of freezing temperature in the fall in West Tennessee ranges from October 23 in the north to November 12 in the southwest. The growing season ranges from 150 days or less in the northern portion of the Cumberland Plateau and in the mountains to 200 days in the Valley of East Tennessee and the northern tier counties of Middle and West Tennessee. The growing season reaches a maximum of about 237 days at Memphis and the adjacent southern tier counties.

AGRICULTURAL DROUTH

To quantify drouth for purposes of analysis one of the more useful concepts is that of the drouth-day. Van Bavel (15) observed that agricultural drouth should be defined on the basis of available soil water conditions and subsequent plant behavior. He postulated the concept of drouth-day as a 24-hour period (beginning at the time at which the precipitation of the previous day was re-

corded) in which the soil moisture stress exceeds a limit at which crop growth processes are depressed. As a measure of drouth, a drouth-day occurred whenever available soil moisture was depleted to a point critical for normal plant processes as estimated from precipitation and evapotranspiration data by a moisture balance method. Calculation of drouth probability has been performed for several states and regions using this approach (7, 16, 17, 18, 19).

Rainfall has four fates: 1) surface runoff; 2) evaporation from soil and plant surfaces; 3) transpiration; and, 4) percolation (1). Evapotranspiration (ET), or consumptive-use (2) as it is sometimes called, is water loss from a unit area during a specified time by evaporation from the soil surface and by transpiration from plants (4). Thornthwaite (14) developed the concept of potential evapotranspiration (PE) and defines it as the water loss from a moist tract completely covered by vegetation and large enough to prevent an oasis effect. Penman (10) defines PE similarly as the amount of water transpired per unit time by a short, green crop which completely shades the ground, is of uniform height, and never experiences water shortage.

WATER USE MODELS

Thornthwaite Model

Thornthwaite derived an empirical formula for estimating PE from his research in the eastern United States. The formula can be expressed as

$$PE = 16(10T/I)^a \text{ mm per month}$$

where

$$a = (0.675I^3 - 77.1I^2 + 17{,}920I + 492{,}390) \times 10^{-6}$$

and

$$I = \sum_{1}^{12} \left(\frac{T}{5}\right)^{1.154} .$$

PE is the unadjusted evapotranspiration expressed as total millimeters per month of 30 days; T is the mean monthly temperature in degrees Celsius; I is the annual heat index which is composed of 12 monthly index values. Conversion of millimeters to inches can be accomplished by multiplying by 0.0394. Thornthwaite justified exclusion of climatic factors other than temperature by stating that those factors vary significantly with temperature.

This formula is valid only when the mean air temperature is between 32° F and 80° F. For lower temperatures the PE is assumed to be zero and for higher temperatures the rate increases monotonically with increasing temperature and is independent of the heat index I (12).

Penman Model

Penman (10) combined the aerodynamic and energy budget approaches to derive an expression with which to approximate evaporative loss from an open

water surface. An aerodynamic factor accounted for turbulent transport of water vapor by eddy diffusion while the energy budget accounted for degradation of incoming solar radiation by evaporation. The use of a corrective factor (usually .75) is required to adjust calculated loss to evapotranspirative loss. Smalley[1] (personal communication) has expressed the equation in expanded form for clarity; it appears as:

$$P.E. = \left(\frac{\Delta}{\Delta + \gamma}\right) R_a (1-r)(.18 + .55\, n/N)$$
$$- \left(\frac{\Delta}{\Delta + \gamma}\right) \sigma T^4 (.56 - .092\sqrt{VP})(.10 + .90\, n/N)$$
$$+ \left(\frac{\gamma}{\Delta + \gamma}\right) .35 (1 + W/100)(SVP - VP)$$

in millimeters evaporation per day, where

Δ = slope of the saturation vapor pressure curve at mean air temperature in millibars, per ^{o}C;

γ = constant of the wet and dry bulb psychrometer equation;

R_a = Angot's value (the theoretical incoming shortwave radiation at the outer limits of the atmosphere);

r = albedo

n = actual hours of sunshine

N = theoretical duration of sunshine

σT^4 = black body radiation proportional to the fourth power of the temperature in degrees Kelvin (^{o}K).

VP = mean vapor pressure at mean air temperature;

SVP = saturation vapor pressure at mean air temperature;

W = wind run at a standard height of two meters;

Penman's formula requires data for radiation, humidity, temperature, wind, and albedo; these data are available only from first order weather stations. Three difficulties are inherent in the Penman equation: 1) the conversion of calculated PE to ET over vegetation is difficult to calculate or approximate; 2) the equation describes only those areas where optimum water supply is maintained; and, 3) the data required for the equation can be obtained from only five locations in Tennessee and inferences of data from these to other sites is not always accurate.

[1]Smalley, G. W. Algorithms for estimating evapotranspiration using Penman's formula. Unpublished report, University of Tennessee, July, 1973.

Moisture Balance Procedure

Calculation of drouth-days by a soil-moisture balance method requires a model of moisture status. The model used in these calculations was

$$SMS_i = SMS_{i-1} - PE + (P\text{-}RO)$$

where SMS_i is the current soil moisture status, SMS_{i-1} is the soil moisture status of the previous day, PE is the amount of calculated evapotranspiration for that day, P is precipitation input, and RO is runoff loss from the system. Precipitation in excess of available soil storage is considered lost from the system by runoff. When the soil moisture status reaches 0 inch, a drouth-day occurs. A negative moisture status is not allowed in terms of model constraints where

$$0'' \leq SMS_i \leq A.W.H.C.$$

Drouth-days were calculated for each of six available water-holding capacities (A.W.H.C.): 1, 2, 3, 4, 5, and 7 inches. These relate to most Tennessee soil-crop situations and provide a means to relate drouthiness to soil moisture conditions.

COMPUTATION METHOD

Precipitation and temperature data used in this study were obtained from daily records collected by National Weather Service Climatological Cooperative Stations and first-order stations, and at Tennessee Agricultural Experiment Station research stations. These 50 locations were selected for completeness of temperature record and have been used in many other climatic studies (5, 6, 13).

Because the data base contained such a volume of data, the information presented in the tables was obtained almost entirely through the use of digital computer programs. To select the most appropriate method of calculating evapotranspiration losses, the three water use models were employed. Drouth-days by climatic week using these values and regressions of drouth-days against crop yields from variety trials were calculated (11). Yield data for corn, cotton, and burley tobacco were extracted from Tennessee variety trials 1947-1970. All varieties of each crop were used as being representative of the range of crop response to soil moisture with the assumption that management inputs to these would be consistent with advancements in agricultural practice.

The Thornthwaite method proved to be the most responsive way of calculating water loss (11) and the probabilities derived from drouth-days calculated by this method are reported here. The Thornthwaite method has the advantage of requiring mean temperature as input where the Penman model requires data which is not available for most Tennessee locations. Low response of the Penman method can be attributed to effects of extrapolation of data from a few scattered sites to other areas.

Interpretation of the Data

Blumenstock (3) evaluated drouth occurrence by means of the theory of

probability. Drouth occurrence deviates from a random distribution due to the non-random nature of rainfall distribution, soil properties, and the seasonality of temperature and evapotranspiration. Frequency distribution, which compares the number of occurrences with exact drouth periods, more closely defines probability of drouth. These distributions are more representative in that they cover the entire range of drouth occurrence (0-7 drouth-days per week) and do not give undue emphasis to drouths of excessive length.

For each site a table (Tables 3 through 52) is presented which contains probability of occurrence for drouth from 1 to 7 days per week. Probabilities were calculated for each of seven available water holding capacities. Within each 7-day period drouth probabilities have been accumulated from right to left so that, for example, the value in any column is the total of the probabilities for both it and the column to its right. In other words, it is the probability of occurrence of "X" or more drouth days for the week in question. To arrive at the individual probability for "X" days of drouth, one must subtract the value in the Xth + 1 day column from the value in the Xth day column. Probabilities of no drouth **have not been added** into the accumulation and their values are as they appear in the tables.

As an example, suppose one were interested in the probability of occurrence of two or more drouth-days for the week of July 26 at Ashwood on a 3-inch A.W.H.C. soil. The accumulated probability for two-plus days is 47 percent. To derive the probability of only 2 days for that week, no more no less, the value is 6 percent, or 47 minus 41. These values can be interpreted as 47 years out of each 100 there will be at least two drouth days on this soil during this week; however, a more realistic evaluation would be 5 years out of 10. The probability of no deficit (0 days) for that week is 50 percent or 5 of every 10 years.

Available water holding capacities allow the values in these tables to be applied to a wide range of soils and soil-crop situations. Conditions affecting these soils, shallow-rooted crops, or crops with a high moisture requirement would be reflected in the 1-, 2-, or 3-inch columns. For thicker soils or for deeper-rooted crops and vegetation, values from the 4-, 5-, or 7-inch columns are probably most appropriate. Drouth probabilities for the medium to largest moisture capacities also reflect ground water depletions in relation to water supplies from wells, ponds, and ground water, itself.

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Table 1. Monthly and yearly precipitation mean (in inches) for all stations

Station	Jan.	Feb.	Mar.	Apr.	May	June	July
Allardt	5.07	4.83	5.45	4.80	4.04	4.91	5.27
Ashwood	5.50	5.53	6.09	4.75	4.15	3.87	4.60
Bolivar	6.17	5.11	5.54	4.76	3.78	3.99	4.18
Brownsville	6.06	5.04	5.69	4.89	4.16	3.79	4.39
Carthage	5.62	5.14	5.67	4.14	3.84	4.56	4.56
Chattanooga	5.61	5.37	5.64	4.29	3.52	3.70	5.11
Clarksville	5.64	4.45	5.55	4.21	3.70	3.49	3.72
Copperhill	5.57	5.74	6.41	4.82	3.60	4.48	5.66
Covington	5.77	4.84	5.72	4.82	4.42	3.62	3.84
Crossville	5.62	5.81	5.90	4.55	3.85	4.18	4.67
Dale Hollow Dam	5.30	5.05	5.40	4.44	3.86	4.67	4.93
Dickson	6.06	4.76	5.57	4.41	4.24	3.72	4.48
Dover	5.39	4.37	5.52	3.97	3.88	3.78	4.20
Fayetteville	5.47	5.53	5.36	4.23	4.05	3.31	5.05
Franklin, Ky.	4.81	4.37	4.92	4.00	4.39	3.76	4.03
Franklin	5.41	5.17	5.52	4.14	3.69	3.61	3.91
Gatlinburg	4.62	4.85	5.47	4.62	4.25	5.03	6.56
Greeneville	3.66	3.83	4.49	3.23	3.24	3.58	5.08
Huntingdon	5.41	4.39	5.33	4.31	4.54	3.54	3.97
Jackson	6.00	4.91	5.44	4.66	3.97	4.08	4.46
Jefferson City	4.41	4.75	4.68	3.34	3.70	3.37	4.75
Kingsport	3.86	4.11	4.37	3.43	3.49	3.27	4.92
Knoxville AP	4.88	4.81	4.73	3.70	3.50	3.33	4.82
Knoxville	4.41	4.28	4.85	4.22	3.93	4.22	4.70
Lewisburg	5.55	5.91	5.89	4.41	3.87	3.57	4.63
Loudon	5.28	5.26	5.39	3.95	3.65	3.39	5.05
Lynnville	5.74	6.21	6.37	4.91	4.07	3.64	4.59
Martin	5.33	4.76	5.53	4.30	4.30	4.47	4.11
Memphis AP	6.07	4.69	5.07	4.63	4.23	3.68	3.54
Memphis	5.81	4.55	4.90	4.62	4.03	3.64	3.42
Middlesboro, Ky.	4.90	4.34	5.36	4.31	4.01	4.59	4.67
Milan	5.92	4.72	5.96	4.73	4.22	4.28	4.42
Monteagle	5.97	6.30	6.76	5.69	4.39	4.38	5.45
Moscow	5.61	5.34	5.57	4.75	4.12	4.14	3.95
Murfreesboro	5.19	5.35	5.54	4.10	3.96	3.33	4.14
Nashville	5.49	4.51	5.19	3.74	3.72	3.25	3.72
Neptune	4.32	4.51	5.05	4.54	3.70	3.23	3.71
Newbern	5.02	4.41	5.59	4.21	4.12	4.13	3.92
Newport	4.01	4.34	4.82	3.57	3.61	3.87	5.07
Oak Ridge	5.94	5.80	5.59	4.20	3.73	3.24	3.95
Palmetto	5.36	5.61	5.55	4.44	3.89	3.65	4.87
Paris	5.46	4.76	5.50	4.18	3.96	3.93	3.93
Rogersville	4.39	4.46	4.82	3.74	3.38	3.22	4.68
Samburg	4.88	4.40	5.31	4.10	4.53	3.75	3.84
Savannah	6.13	5.41	5.91	4.82	4.04	4.20	4.04
Selmer	6.30	5.42	5.34	4.59	3.81	4.31	3.88
Sparta	5.39	4.59	5.39	4.34	4.01	4.87	5.38
Springfield	4.30	4.61	5.02	4.40	4.10	3.44	4.01
Tullahoma	5.78	5.88	6.19	4.59	3.76	3.89	5.02
Waynesboro	5.92	5.76	6.06	5.13	4.12	4.31	4.58

Table 1. (continued)

Station	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly
Allardt	3.61	3.69	2.88	3.58	4.84	52.97
Ashwood	3.55	3.47	2.61	3.89	4.66	52.67
Bolivar	3.53	3.76	2.52	4.34	4.71	52.39
Brownsville	2.93	3.64	2.43	4.42	4.61	52.05
Carthage	3.92	3.51	2.36	3.99	4.72	52.03
Chattanooga	3.76	3.10	3.02	3.65	5.19	51.96
Clarksville	3.37	3.01	2.47	3.86	4.27	47.74
Copperhill	4.78	3.27	3.10	3.90	5.16	56.49
Covington	2.83	3.43	2.71	4.43	4.52	50.95
Crossville	4.28	3.61	2.78	4.05	5.36	54.66
Dale Hollow Dam	3.21	3.46	2.50	4.21	4.85	51.88
Dickson	3.42	2.88	2.70	4.07	4.63	50.94
Dover	3.42	3.31	2.58	4.06	4.13	48.61
Fayetteville	3.70	3.41	2.66	4.22	4.90	51.89
Franklin, Ky.	3.50	3.15	2.52	3.78	4.31	47.54
Franklin	3.82	2.85	2.41	3.55	4.24	48.23
Gatlinburg	5.40	3.00	2.99	3.67	3.99	54.45
Greeneville	3.57	2.98	2.41	2.78	3.06	42.01
Huntingdon	2.96	3.28	2.41	4.00	4.34	48.48
Jackson	3.28	3.39	2.34	4.11	4.37	51.01
Jefferson City	3.44	2.94	2.23	3.62	4.15	45.38
Kingsport	3.83	2.69	2.25	2.82	3.48	42.52
Knoxville AP	3.46	2.54	2.61	3.24	4.23	45.85
Knoxville	3.90	2.60	2.64	2.83	4.58	47.25
Lewisburg	3.19	3.23	2.62	4.15	4.59	51.61
Loudon	3.68	3.17	2.81	3.69	4.86	50.18
Lynnville	3.85	3.22	2.61	4.54	4.94	54.69
Martin	2.70	3.14	2.68	4.17	3.93	49.42
Memphis AP	2.97	2.82	2.72	4.38	4.93	49.73
Memphis	2.63	2.81	2.86	4.17	4.69	48.13
Middlesboro, Ky.	4.11	2.77	2.47	3.55	4.71	49.79
Milan	3.54	3.46	2.65	4.34	4.59	52.83
Monteagle	4.12	3.69	3.17	4.66	5.99	60.57
Moscow	3.41	3.47	2.54	4.21	5.09	52.20
Murfreesboro	3.59	3.22	2.32	3.91	4.24	48.89
Nashville	2.86	2.87	2.32	3.28	4.19	45.14
Neptune	3.29	2.62	2.11	3.60	4.45	45.13
Newbern	3.03	3.44	2.65	4.17	4.24	48.93
Newport	4.02	2.65	2.57	2.81	3.46	44.80
Oak Ridge	4.62	3.30	2.67	3.77	5.90	54.71
Palmetto	3.56	3.12	2.59	3.92	4.39	50.95
Paris	3.12	3.19	2.51	4.26	4.20	49.00
Rogersville	3.52	2.58	2.28	3.19	3.83	44.09
Samburg	2.83	3.35	2.80	4.16	4.10	48.05
Savannah	3.56	3.10	2.50	4.25	5.04	53.00
Selmer	3.22	3.37	2.88	4.29	4.80	52.21
Sparta	4.21	3.65	2.72	3.76	4.69	53.00
Springfield	3.21	2.58	2.53	3.87	4.38	46.45
Tullahoma	3.51	3.31	2.61	4.12	5.30	53.97
Waynesboro	3.73	3.10	2.64	4.62	5.09	55.06

Table 2. Average monthly potential evapotranspiration calculated by the Thornthwaite method for all stations

Station	Potential evapotranspiration in inches						
	Jan.	Feb.	Mar.	Apr.	May	June	July
Allardt	0.20	0.27	0.97	2.01	3.06	4.03	4.50
Ashwood	0.36	0.41	1.19	2.20	3.34	4.73	5.19
Bolivar	0.28	0.46	1.08	2.36	3.63	4.94	5.61
Brownsville	0.30	0.46	1.12	2.35	3.79	5.19	5.66
Carthage	0.37	0.42	1.07	2.20	3.50	4.60	5.36
Chattanooga	0.40	0.50	1.16	2.26	3.60	4.88	5.52
Clarksville	0.29	0.39	1.05	2.21	3.51	4.75	5.51
Copperhill	0.37	0.43	0.99	2.03	3.28	4.31	5.02
Covington	0.28	0.42	1.06	2.27	3.68	4.84	5.90
Crossville	0.30	0.43	0.99	1.95	2.99	3.95	4.43
Dale Hollow Dam	0.21	0.35	0.93	2.11	3.30	4.42	5.06
Dickson	0.26	0.42	1.04	2.30	3.57	4.62	5.26
Dover	0.22	0.36	1.04	2.28	3.39	4.41	5.30
Fayetteville	0.19	0.33	0.87	1.98	3.13	4.04	5.02
Franklin, Ky.	0.22	0.30	0.95	2.13	3.43	4.44	5.18
Franklin	0.32	0.40	1.10	2.12	3.40	4.63	5.50
Gatlinburg	0.31	0.39	1.18	2.23	3.12	3.87	4.33
Greeneville	0.20	0.34	1.07	2.14	3.36	4.28	4.91
Huntingdon	0.16	0.26	1.01	2.37	3.41	4.50	5.31
Jackson	0.32	0.46	1.19	2.23	3.47	4.65	5.50
Jefferson City	0.21	0.40	1.09	2.04	3.31	4.33	4.91
Kingsport	0.32	0.38	1.02	2.15	3.20	4.47	4.93
Knoxville AP	0.34	0.42	1.14	2.21	3.46	4.69	5.34
Knoxville	0.24	0.41	1.06	2.32	3.61	4.68	5.26
Lewisburg	0.32	0.40	1.02	2.11	3.30	4.42	5.29
Loudon	0.35	0.47	1.08	2.09	3.34	4.61	5.42
Lynnville	0.39	0.48	1.16	2.20	3.28	4.35	5.11
Martin	0.25	0.40	1.11	2.26	3.59	4.66	5.64
Memphis AP	0.30	0.44	1.12	2.44	3.87	5.07	5.93
Memphis	0.31	0.43	1.11	2.38	3.86	5.14	6.09
Middlesboro, Ky.	0.35	0.45	1.04	1.85	3.09	4.18	4.99
Milan	0.28	0.43	1.08	2.26	3.58	4.66	5.82
Monteagle	0.28	0.41	1.01	2.19	3.29	4.11	4.69
Moscow	0.36	0.61	1.36	2.53	3.53	3.16	4.98
Murfreesboro	0.35	0.44	1.08	2.22	3.51	4.77	5.51
Nashville	0.25	0.38	0.98	2.22	3.61	4.80	5.58
Neptune	0.16	0.27	0.91	2.17	3.43	4.49	5.35
Newbern	0.25	0.40	1.03	2.27	3.76	4.48	5.52
Newport	0.30	0.41	1.01	2.06	3.37	4.62	5.19
Oak Ridge	0.28	0.41	0.97	2.13	3.42	4.48	5.13
Palmetto	0.36	0.49	1.17	2.19	3.49	4.22	5.24
Paris	0.22	0.37	1.01	2.12	3.40	4.50	5.34
Rogersville	0.34	0.42	1.03	2.09	3.25	4.26	4.82
Samburg	0.16	0.31	0.93	2.26	3.67	4.98	5.87
Savannah	0.37	0.51	1.16	2.34	3.44	4.90	5.68
Selmer	0.22	0.40	1.08	2.40	3.59	4.57	5.28
Sparta	0.23	0.32	0.98	2.25	3.37	4.28	4.88
Springfield	0.22	0.34	0.96	2.12	3.23	4.58	5.12
Tullahoma	0.33	0.41	1.10	2.29	3.39	4.58	5.30
Waynesboro	0.19	0.26	0.96	2.27	3.33	4.36	5.02

Table 2. Average monthly potential evapotranspiration calculated by the Thornthwaite method for all stations

Station	Potential evapotranspiration in inches					
	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly
Allardt	4.43	3.51	2.18	0.91	0.29	26.37
Ashwood	4.70	3.95	2.39	1.07	0.44	29.98
Bolivar	5.43	3.74	2.34	1.00	0.42	31.30
Brownsville	5.86	4.01	2.52	1.05	0.34	32.57
Carthage	5.45	4.05	2.45	1.00	0.43	30.89
Chattanooga	5.29	4.07	2.46	1.01	0.43	31.59
Clarksville	5.18	4.14	2.42	0.95	0.37	30.77
Copperhill	4.73	3.68	2.23	0.93	0.41	28.40
Covington	5.70	4.13	2.53	1.02	0.40	32.26
Crossville	4.35	3.44	2.16	0.92	0.30	26.21
Dale Hollow Dam	5.03	4.04	2.31	0.93	0.33	29.02
Dickson	5.16	4.23	2.41	0.97	0.38	30.61
Dover	5.17	3.79	2.28	0.96	0.33	29.54
Fayetteville	4.76	3.62	2.20	0.89	0.30	27.36
Franklin, Ky.	5.06	3.90	2.38	0.94	0.32	29.24
Franklin	5.45	3.82	2.29	0.99	0.37	30.40
Gatlinburg	4.35	3.22	2.19	0.93	0.32	26.46
Greeneville	4.77	3.58	2.32	1.02	0.32	28.32
Huntingdon	4.97	3.68	2.29	1.00	0.30	29.28
Jackson	5.48	4.17	2.37	1.03	0.41	31.28
Jefferson City	4.80	4.00	2.22	0.98	0.36	28.66
Kingsport	4.79	4.08	2.34	0.96	0.35	29.00
Knoxville AP	5.16	4.02	2.44	0.98	0.39	30.59
Knoxville	5.30	4.21	2.47	1.01	0.37	30.96
Lewisburg	5.25	4.06	2.32	0.93	0.39	29.81
Loudon	5.30	4.03	2.33	0.92	0.42	30.37
Lynnville	4.78	4.02	2.35	1.00	0.45	29.58
Martin	5.20	4.03	2.48	0.92	0.36	30.90
Memphis AP	5.62	4.15	2.63	1.06	0.44	33.06
Memphis	5.91	4.35	2.68	1.06	0.43	33.75
Middlesboro, Ky.	4.58	3.48	2.11	0.87	0.36	27.37
Milan	5.30	4.31	2.42	0.99	0.36	31.50
Monteagle	4.56	3.66	2.36	1.00	0.38	27.94
Moscow	4.82	4.02	2.37	1.10	0.48	29.32
Murfreesboro	5.45	4.35	2.42	0.99	0.44	31.56
Nashville	5.35	4.09	2.40	0.90	0.36	30.92
Neptune	5.18	3.83	2.23	0.94	0.32	29.25
Newbern	5.27	4.05	2.45	0.94	0.38	30.79
Newport	5.12	4.06	2.28	0.88	0.31	29.61
Oak Ridge	5.04	3.87	2.32	0.89	0.33	29.27
Palmetto	4.92	4.15	2.44	0.99	0.46	30.10
Paris	5.77	4.03	2.34	0.97	0.32	30.38
Rogersville	4.53	4.05	2.32	0.97	0.34	28.43
Samburg	5.28	3.80	2.33	0.95	0.28	30.83
Savannah	5.61	4.00	2.47	1.04	0.47	31.99
Selmer	5.26	3.90	2.36	1.01	0.38	30.44
Sparta	4.75	3.62	2.31	0.90	0.32	28.23
Springfield	5.38	3.98	2.30	0.95	0.29	29.48
Tullahoma	4.88	3.82	2.39	1.02	0.43	29.95
Waynesboro	4.97	3.73	2.21	0.94	0.34	28.58

Table 3. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Allardt

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	93	6	4	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	90	9	9	6	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	90	9	6	4	4	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	75	24	18	6	4	0	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	56	43	22	18	15	13	9	4	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	72	27	24	15	15	15	9	6	90	9	4	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	68	31	20	15	9	9	6	2	90	9	9	9	9	4	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	54	45	38	29	24	20	13	6	81	18	13	6	6	4	2	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	56	43	38	29	29	20	9	4	81	18	13	9	9	6	2	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	59	40	38	31	24	20	18	11	79	20	18	18	13	11	11	4	93	6	6	6	4	2	2	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	47	52	43	40	31	24	20	9	70	29	22	20	15	15	15	4	79	20	15	13	11	11	9	4	93	6	4	4	2	2	2	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0
28	45	54	49	31	27	22	13	9	70	29	27	15	15	15	11	9	79	20	15	11	11	11	4	4	88	11	11	9	6	4	2	2	93	6	2	0	0	0	0	0	100	0	0	0	0	0	0	0
JUL 5	52	47	34	20	15	11	4	4	77	22	18	11	11	9	2	2	84	15	15	11	11	9	2	2	88	11	11	6	6	4	0	0	93	6	6	4	4	2	0	0	100	0	0	0	0	0	0	0
12	52	47	43	29	22	13	4	4	81	18	18	11	6	6	2	2	86	13	11	6	4	4	2	2	90	9	9	6	4	2	2	2	95	4	4	2	2	2	2	2	100	0	0	0	0	0	0	0
19	40	59	49	36	31	15	11	4	70	29	27	20	11	9	6	2	84	15	9	6	6	4	4	2	90	9	9	6	6	4	4	2	93	6	4	2	2	2	2	2	97	2	2	2	0	0	0	0
26	50	49	45	34	27	20	13	13	77	22	20	18	13	11	11	11	86	13	11	11	2	2	2	2	95	4	4	4	2	2	2	2	95	4	4	4	2	2	2	2	97	2	2	2	2	2	2	2
AUG 2	50	49	43	31	27	20	18	11	68	31	27	24	20	15	13	9	75	24	22	20	15	15	13	9	88	11	9	9	4	4	4	2	90	9	6	6	4	4	4	2	95	4	2	2	2	0	0	0
9	43	56	40	31	27	24	11	6	75	24	22	15	15	13	4	0	79	20	15	11	11	9	4	0	88	11	11	9	9	6	2	0	90	9	6	4	4	2	0	0	95	4	4	2	2	0	0	0
16	38	61	52	43	34	22	13	9	65	34	29	24	18	6	4	4	81	18	15	13	11	6	4	4	88	11	11	9	9	2	2	2	95	4	4	2	2	0	0	0	95	4	4	0	0	0	0	0
23	27	72	68	56	47	38	27	15	56	43	38	31	22	18	15	6	77	22	20	18	13	11	11	4	86	13	11	11	9	9	6	2	88	11	9	2	2	2	2	2	97	2	2	2	2	2	2	2
30	27	72	65	61	47	43	36	25	50	49	45	45	38	29	20	18	59	40	36	29	18	13	11	9	81	18	13	13	11	9	6	6	86	13	11	11	9	6	4	4	95	4	4	4	4	4	2	2
SEP 6	31	68	61	47	43	38	29	18	50	49	43	34	31	27	18	11	59	40	36	29	24	20	11	6	77	22	18	13	13	6	4	2	88	11	11	9	9	2	0	0	97	2	2	2	2	0	0	0
13	34	65	54	43	36	29	24	11	56	43	31	24	22	18	15	11	68	31	24	18	15	11	11	9	79	20	13	11	11	6	6	4	90	9	6	4	4	4	4	2	100	0	0	0	0	0	0	0
20	43	56	54	47	45	38	24	18	59	40	36	27	24	22	18	13	77	22	22	15	15	13	13	11	79	20	18	13	13	9	9	6	90	9	6	2	2	2	2	2	97	2	2	0	0	0	0	0
27	45	54	49	47	38	36	29	15	56	43	38	38	34	29	20	9	68	31	27	27	20	20	15	6	77	22	18	18	15	15	13	6	86	13	11	11	9	9	6	2	97	2	2	2	2	2	0	0
OCT 4	52	47	36	29	22	15	11	9	63	36	27	20	15	13	9	6	75	24	22	18	13	11	6	4	77	22	20	15	9	6	4	2	86	13	11	9	9	4	2	0	97	2	0	0	0	0	0	0
11	70	29	27	24	20	15	11	6	77	22	20	18	18	13	9	6	81	18	15	11	11	9	6	6	88	11	11	9	9	9	6	6	90	9	9	6	6	6	4	4	100	0	0	0	0	0	0	0
18	59	40	36	31	24	15	6	4	75	24	22	18	15	11	6	4	79	20	18	13	11	9	6	4	79	20	18	13	9	6	4	4	86	13	11	9	4	4	2	2	100	0	0	0	0	0	0	0
25	65	34	31	22	18	13	11	9	77	22	20	15	15	11	9	6	81	18	15	11	11	6	6	6	84	15	13	9	9	6	6	6	86	13	11	9	9	6	6	4	97	2	2	2	2	2	2	2
NOV 1	79	20	20	11	4	2	0	0	90	9	9	6	4	2	0	0	93	6	6	6	4	2	0	0	93	6	6	6	4	2	0	0	93	6	6	6	4	2	0	0	100	0	0	0	0	0	0	0
8	93	6	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0
15	90	9	6	6	4	2	0	0	95	4	4	4	4	2	0	0	95	4	4	4	4	2	0	0	95	4	4	4	4	2	0	0	95	4	4	4	4	2	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 4. Probability of occurrence of drouth days based on 71 years of record, 1900 through 1971, for Ashwood

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	2 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	3 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	4 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	5 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	7 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	98	1	1	1	1	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	97	2	2	2	1	1	1	1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	4	4	4	4	4	2	98	1	1	1	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	1	1	1	1	97	2	2	1	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	90	9	6	5	2	1	1	1	97	2	2	2	1	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	80	19	15	11	8	5	4	1	98	1	1	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	80	19	12	9	8	6	2	1	98	1	1	1	1	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	62	37	30	29	22	9	6	4	95	4	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	59	40	37	24	12	11	6	5	91	8	5	4	4	1	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	52	47	37	26	22	18	12	11	83	16	12	9	5	5	4	2	97	2	1	1	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	54	45	37	31	27	22	16	13	81	18	18	16	16	13	9	8	95	4	4	4	4	2	1	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	44	55	48	40	34	29	24	13	69	30	24	22	13	11	8	6	88	11	11	11	8	5	4	1	97	2	1	1	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	36	63	58	47	41	37	29	18	55	44	38	30	26	24	18	9	76	23	18	12	12	8	8	4	90	9	8	6	4	1	1	1	98	1	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	33	66	55	44	37	29	22	15	58	41	40	30	23	19	16	11	72	27	24	20	18	15	13	9	81	18	15	8	8	8	8	8	91	8	8	5	4	4	2	1	100	0	0	0	0	0	0	0
21	31	68	58	49	43	31	26	18	54	45	38	33	26	22	19	13	69	30	29	23	19	18	16	12	79	20	19	18	16	13	12	8	86	13	12	11	11	9	4	1	97	2	2	2	0	0	0	0
28	25	74	61	49	45	41	23	15	44	55	48	37	31	29	16	9	62	37	29	24	23	22	12	5	75	24	20	18	16	15	9	5	79	20	15	12	11	8	5	2	94	5	5	4	2	1	0	0
JUL 5	29	70	61	49	44	37	30	19	51	48	43	38	30	27	23	16	61	38	33	30	23	19	16	11	75	24	23	22	19	18	13	8	84	15	15	15	12	11	9	6	94	5	5	4	4	2	2	0
12	26	73	66	61	41	40	27	20	37	62	55	47	31	29	16	15	55	44	40	34	24	22	12	11	68	31	29	23	18	16	9	8	75	24	20	15	13	11	6	4	90	9	6	5	4	4	1	1
19	26	73	66	54	49	36	29	15	43	56	54	40	37	27	22	13	48	51	41	30	29	19	13	8	68	31	27	22	20	12	11	8	73	26	23	16	15	9	6	2	91	8	8	6	5	2	1	0
26	19	80	73	66	52	36	22	8	41	58	52	48	38	27	15	6	50	49	47	41	31	22	13	6	63	36	33	27	22	16	9	6	70	29	24	22	18	13	8	5	86	13	12	11	8	5	4	1
AUG 2	26	73	70	58	48	36	23	12	47	52	49	41	36	27	16	9	59	40	38	30	29	20	13	8	68	31	30	24	20	13	8	5	76	23	23	19	19	12	6	4	86	13	13	11	11	5	4	1
9	31	68	59	54	43	31	20	13	47	52	47	41	34	23	18	12	56	43	37	33	29	19	13	11	66	33	29	24	20	13	9	8	77	22	20	18	16	11	9	8	83	16	13	11	9	6	5	5
16	38	61	49	43	40	36	22	18	51	48	45	38	34	29	15	12	62	37	34	31	26	23	12	9	68	31	29	27	22	18	8	6	77	22	20	18	16	13	6	5	86	13	12	12	11	11	6	5
23	22	77	68	59	55	43	34	25	44	55	54	49	41	33	27	19	47	52	51	47	37	26	20	13	55	44	40	34	29	23	16	11	65	34	27	24	20	18	12	11	77	22	22	18	15	12	6	5
30	23	76	69	62	49	33	23	16	44	55	45	40	36	26	19	15	50	49	44	38	34	26	18	12	52	47	43	34	27	20	15	11	65	34	31	27	23	18	15	11	80	19	18	16	13	11	9	5
SEP 6	30	69	63	49	40	36	27	19	45	54	48	37	31	29	20	13	58	41	37	33	29	27	19	13	59	40	36	31	27	26	16	11	65	34	30	26	22	20	15	9	80	19	16	16	13	13	11	5
13	20	79	70	65	55	45	36	23	43	56	51	49	44	31	23	15	56	43	38	38	34	26	19	12	58	41	37	37	31	24	18	11	63	36	31	30	27	20	15	11	80	19	16	15	15	11	8	8
20	23	76	65	58	51	44	37	29	44	55	49	44	38	33	29	22	51	48	44	38	30	26	22	18	55	44	41	33	26	22	20	16	63	36	33	29	24	20	18	12	73	26	23	16	12	9	8	6
27	20	79	70	54	45	36	27	25	44	55	49	41	34	31	24	22	54	45	38	34	31	26	19	16	59	40	36	31	29	24	19	16	61	38	33	27	26	22	16	15	72	27	23	20	19	16	12	11
OCT 4	43	56	48	41	40	33	20	18	55	44	37	31	30	22	13	12	58	41	34	30	27	18	11	11	66	33	27	23	22	13	8	8	66	33	27	23	22	13	8	8	76	23	19	18	16	12	8	8
11	54	45	41	33	29	20	19	16	66	33	31	30	26	19	18	15	68	31	30	29	26	19	18	15	73	26	26	24	20	13	12	11	75	24	24	23	20	13	12	11	84	15	15	13	12	8	6	6
18	55	44	34	33	27	22	16	13	68	31	29	27	24	18	13	12	72	27	24	24	22	16	12	11	73	26	23	22	20	16	12	9	77	22	19	19	18	15	11	9	81	18	18	18	16	12	6	5
25	48	51	44	36	29	24	20	16	70	29	24	18	13	12	11	9	73	26	22	15	12	11	9	6	75	24	20	13	11	9	8	6	80	19	16	12	9	8	6	6	83	16	15	12	9	8	6	6
NOV 1	66	33	30	26	20	19	15	13	81	18	15	11	6	6	4	2	84	15	12	9	6	6	4	2	86	13	11	8	5	5	4	2	88	11	9	8	5	5	4	2	91	8	6	5	4	4	4	2
8	80	19	9	6	4	2	2	2	87	12	6	5	2	1	1	1	90	9	4	2	1	1	1	1	91	8	2	1	1	1	1	1	91	8	2	1	1	1	1	1	93	6	2	1	1	1	1	1
15	87	12	12	6	6	6	5	2	91	8	8	5	5	5	4	2	93	6	6	5	5	5	4	2	94	5	5	5	3	5	4	2	94	5	5	5	5	5	4	2	95	4	4	4	4	4	2	1
22	91	8	8	8	5	4	2	1	94	5	5	5	4	4	2	1	94	5	5	5	4	4	2	1	94	5	4	4	4	4	2	1	95	4	4	4	4	4	2	1	97	2	2	2	2	2	1	0
29	95	4	2	2	1	1	1	0	97	2	2	2	1	1	1	0	97	2	2	2	1	1	1	0	97	2	2	2	1	1	1	0	97	2	2	2	1	1	1	0	98	1	1	1	1	1	1	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 5. Probability of occurrence of drouth days based on 23 years of record, 1948 through 1970, for Bolivar

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	87	12	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	87	12	12	12	12	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	87	12	12	12	8	8	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	87	12	8	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	83	16	8	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	70	29	20	20	20	20	12	8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	66	33	33	29	24	24	16	12	83	16	12	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	45	54	41	41	29	20	16	12	79	20	16	12	8	8	8	8	91	8	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	25	74	54	41	33	29	20	4	66	33	16	12	12	4	4	0	91	8	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	29	70	58	49	45	37	29	20	50	49	41	29	29	24	20	4	83	16	12	8	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	25	74	70	62	54	49	41	29	37	62	62	49	37	33	29	20	62	37	29	24	24	24	20	8	87	12	12	12	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	29	70	66	54	41	29	29	20	45	54	41	33	29	24	24	16	58	41	33	29	20	16	16	12	75	24	20	16	16	8	4	4	91	8	4	4	4	4	0	0	100	0	0	0	0	0	0	0
21	20	79	74	54	45	37	24	20	45	54	54	33	33	24	20	20	54	45	45	29	29	20	16	12	62	37	37	20	16	8	8	8	83	16	12	8	8	8	8	4	95	4	4	4	4	4	0	0
28	12	87	70	66	58	54	37	33	25	74	58	49	45	37	24	20	45	54	45	37	29	24	20	16	62	37	33	29	24	20	16	12	66	33	24	16	12	8	4	4	91	8	8	4	4	4	4	4
JUL 5	20	79	66	62	49	45	29	12	37	62	49	41	29	29	16	8	54	45	41	37	29	24	12	8	62	37	33	29	24	20	12	8	70	29	24	20	16	16	8	8	91	8	8	8	8	8	0	0
12	8	91	79	79	54	41	37	29	33	66	66	62	45	37	33	29	41	58	54	54	37	29	25	25	50	49	49	41	29	24	24	20	66	33	24	24	24	20	20	20	79	20	16	16	12	4	4	4
19	25	74	74	62	45	37	29	12	33	66	66	54	45	37	29	12	37	62	58	49	41	33	25	12	41	58	58	49	37	29	20	8	54	45	45	41	33	24	16	8	79	20	20	20	16	8	8	8
26	25	74	70	58	29	16	12	12	54	45	45	24	16	12	12	12	58	41	41	24	16	12	12	12	58	41	37	24	16	12	12	12	62	37	37	24	12	4	4	4	79	20	16	8	4	0	0	0
AUG 2	12	87	83	66	62	54	41	20	20	79	66	49	41	33	33	20	41	58	49	37	37	33	33	20	41	58	49	37	37	33	33	20	41	58	49	37	33	29	29	16	66	33	20	12	12	12	12	8
9	20	79	70	66	45	41	37	20	33	66	66	49	33	33	33	20	50	49	49	45	33	29	29	16	54	45	45	41	29	29	29	16	54	45	45	41	29	29	29	16	66	33	33	29	16	16	16	4
16	16	83	79	66	49	29	20	20	33	66	62	54	45	29	20	20	33	66	62	49	41	24	20	16	45	54	54	45	37	20	16	16	50	49	49	41	33	20	16	16	54	45	45	37	29	12	12	12
23	20	79	70	58	49	45	45	33	41	58	58	54	45	41	37	29	41	58	58	49	37	33	33	25	50	49	49	45	37	33	33	20	50	49	45	37	29	24	24	16	58	41	41	33	20	20	20	12
30	25	74	66	66	54	37	29	29	45	54	54	49	37	24	20	20	58	41	41	41	33	20	16	16	58	41	37	37	29	12	8	8	66	33	33	33	24	12	8	8	70	29	29	29	24	12	8	8
SEP 6	25	74	74	66	54	41	29	29	37	62	62	49	37	24	16	16	50	49	49	41	33	20	16	16	54	45	45	37	24	16	12	12	58	41	41	37	20	12	8	8	66	33	33	29	16	12	8	8
13	33	66	56	49	45	37	37	25	45	54	49	37	37	33	33	25	54	45	45	37	37	29	29	20	58	41	41	33	33	29	29	20	58	41	41	33	33	29	29	20	66	33	33	24	24	24	24	16
20	29	70	66	58	54	49	45	33	37	62	58	49	41	41	37	29	45	54	49	45	41	41	33	20	50	49	45	41	37	33	29	16	54	45	41	37	33	29	16	16	58	41	37	33	33	29	24	16
27	29	70	62	58	54	37	37	33	37	62	54	49	45	33	29	25	41	58	54	49	45	33	29	25	45	54	49	45	41	29	24	20	50	49	45	45	37	24	20	16	54	45	41	41	37	24	20	16
OCT 4	50	49	49	37	37	29	24	20	62	37	37	29	29	24	20	20	62	37	37	29	29	24	20	20	66	33	33	24	24	20	20	20	66	33	33	24	24	20	20	20	70	29	29	20	20	16	16	16
11	45	54	45	41	37	37	29	25	66	33	33	20	20	20	16	16	79	20	20	20	20	20	16	16	79	20	20	20	20	20	16	16	79	20	20	20	20	20	16	16	83	16	16	16	16	16	16	16
18	50	49	49	49	41	33	24	20	62	37	33	33	29	16	12	8	70	29	20	20	20	12	8	8	70	29	20	20	20	12	8	8	70	29	20	20	20	12	8	8	70	29	20	20	20	12	8	8
25	37	62	54	45	41	33	24	16	54	45	37	29	29	24	24	16	58	41	29	20	20	20	20	16	62	37	29	20	20	20	20	16	62	37	29	20	20	20	20	16	62	37	29	20	20	20	20	16
NOV 1	66	33	33	29	20	16	12	8	79	20	20	16	12	12	12	8	83	16	16	12	8	8	8	4	83	16	16	12	8	8	8	4	83	16	16	12	8	8	8	4	83	16	16	12	8	8	8	4
8	83	16	8	4	4	4	4	0	91	8	4	0	0	0	0	0	91	8	4	0	0	0	0	0	91	8	4	0	0	0	0	0	91	8	4	0	0	0	0	0	91	8	4	0	0	0	0	0
15	91	8	8	4	4	0	0	0	95	4	4	4	4	0	0	0	95	4	4	4	4	0	0	0	95	4	4	4	4	0	0	0	95	4	4	4	4	0	0	0	95	4	4	4	4	0	0	0
22	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
29	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
DEC 6	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 6. Probability of occurrence of drouth days based on 23 years of record, 1948 through 1970, for Brownsville

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	91	8	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	87	12	12	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	91	8	8	8	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	87	12	8	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	83	16	8	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	62	37	33	24	20	20	16	12	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	66	33	29	29	29	24	20	12	87	12	12	12	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	41	58	49	45	37	24	16	12	75	24	24	20	16	16	12	8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	29	70	58	49	41	37	33	20	58	41	33	24	20	16	8	4	91	8	8	8	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	41	58	58	54	37	29	24	20	58	41	37	29	16	16	16	16	83	16	16	8	8	4	0	0	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	29	70	62	45	45	37	29	20	50	49	49	37	37	29	12	8	75	24	20	16	12	4	4	4	95	4	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	20	79	58	49	41	37	33	29	37	62	41	37	29	24	20	16	66	33	33	20	12	12	8	8	83	16	16	8	8	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	37	62	58	49	37	29	29	25	54	45	41	37	29	20	20	20	62	37	33	24	24	24	16	16	79	20	20	20	20	20	16	8	79	20	20	16	4	4	4	4	100	0	0	0	0	0	0	0
28	16	83	79	70	66	54	37	16	37	62	62	58	54	37	24	8	66	33	29	20	16	16	16	16	79	20	16	12	12	12	12	8	87	12	12	8	8	8	8	8	91	8	4	4	4	0	0	0
JUL 5	20	79	66	45	37	29	20	12	37	62	54	37	20	20	12	4	50	49	45	45	37	24	12	4	62	37	33	33	29	20	8	4	70	29	24	24	20	12	4	0	87	12	12	12	8	0	0	0
12	4	95	74	70	54	41	37	37	37	62	58	54	37	33	29	25	58	41	37	20	16	16	8	4	62	37	33	12	12	12	4	0	70	29	24	8	8	8	0	0	87	12	12	0	0	0	0	0
19	16	83	62	54	54	49	41	25	29	70	49	45	45	41	37	25	50	49	49	41	33	24	20	16	66	33	33	33	29	20	20	16	66	33	24	24	20	16	16	12	83	16	16	16	16	12	12	8
26	25	74	70	54	49	37	37	33	50	49	49	45	41	37	37	33	33	66	41	41	37	37	33	25	45	54	37	37	37	29	24	20	58	41	24	24	24	24	20	20	75	24	20	20	16	16	12	12
AUG 2	20	79	79	70	62	49	45	25	25	74	70	58	45	41	29	16	54	45	45	45	41	37	37	33	58	41	41	41	41	37	37	33	58	41	41	41	37	33	33	33	66	33	29	29	29	20	20	20
9	8	91	83	74	70	58	49	45	29	70	70	58	58	54	49	45	37	62	62	49	37	33	29	16	41	58	58	45	24	24	24	16	58	41	41	37	24	24	24	16	70	29	29	29	20	20	20	16
16	20	79	79	66	54	49	49	29	33	66	66	62	54	50	50	25	37	62	62	54	49	49	49	41	37	62	58	49	45	45	45	41	41	58	54	45	37	29	29	29	66	33	33	29	29	29	25	25
23	12	87	87	74	62	49	49	33	29	70	62	54	49	45	45	33	37	62	62	49	49	45	45	33	37	62	62	58	45	41	41	20	37	62	62	54	41	37	37	16	66	33	33	29	24	20	20	12
30	16	83	74	62	54	49	41	33	33	66	58	49	49	49	37	29	37	62	62	49	49	45	45	33	41	58	58	49	49	45	45	33	41	58	58	49	49	45	45	33	54	45	45	37	37	33	33	16
SEP 6	20	79	74	62	49	37	37	16	33	66	62	49	41	29	29	16	41	58	54	49	41	25	25	12	41	58	45	45	37	20	20	8	50	49	41	41	33	20	20	8	54	45	45	37	33	33	16	12
13	29	70	66	58	49	41	33	25	41	58	58	54	49	41	29	20	41	58	49	41	37	29	20	12	50	49	49	41	37	29	20	12	54	45	45	37	29	24	16	8	50	49	37	37	29	20	20	8
20	41	58	58	49	45	41	37	29	45	54	54	41	37	33	29	25	50	49	49	41	37	33	29	25	50	49	41	33	29	24	20	16	58	41	41	33	29	20	16	16	58	41	41	33	29	24	16	8
27	41	58	49	41	33	24	20	12	62	37	33	29	24	16	12	8	66	33	33	29	24	16	12	8	66	33	33	29	24	16	12	8	70	29	29	24	20	16	12	8	62	37	37	29	24	20	16	16
OCT 4	41	58	49	33	20	20	20	8	75	24	24	16	8	8	8	8	75	24	24	16	8	8	8	8	75	24	24	16	8	8	8	8	70	29	29	24	20	16	12	8	70	29	29	24	20	16	12	8
11	45	54	54	49	49	41	25	25	62	37	33	29	29	20	12	12	75	24	24	24	24	20	12	12	75	24	24	24	24	20	12	12	83	16	16	16	8	8	8	8	83	16	16	16	8	8	8	8
18	45	54	54	45	45	37	29	29	62	37	37	37	33	29	20	20	75	24	24	24	20	20	20	20	75	24	24	24	20	20	12	12	75	24	20	20	20	20	12	12	83	16	16	16	16	16	12	12
25	33	66	58	45	33	24	16	12	58	41	29	16	16	16	12	8	66	33	20	16	16	16	12	8	66	33	20	16	16	16	12	8	75	24	24	24	20	20	20	20	75	24	20	20	16	16	16	16
NOV 1	70	29	24	8	8	8	8	8	79	20	16	4	4	4	4	4	95	4	0	0	0	0	0	0	95	4	0	0	0	0	0	0	70	29	20	16	16	16	12	8	70	29	20	16	16	16	12	8
8	87	12	0	0	0	0	0	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	95	4	0	0	0	0	0	0	95	4	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 7. Probability of occurrence of drouth days based on 40 years of record, 1931 through 1970, for Carthage

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	92	7	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	85	14	12	7	4	4	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	82	17	12	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	70	29	24	19	14	9	9	4	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	58	41	36	21	19	12	9	4	87	12	12	9	7	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	56	43	36	31	19	17	9	4	80	19	17	12	9	9	7	4	92	7	4	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	58	41	34	31	17	14	7	4	82	17	14	12	9	9	4	4	90	9	9	9	7	7	4	2	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	46	53	43	41	31	26	17	14	75	24	17	17	12	7	2	0	92	7	4	4	2	0	0	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	31	68	65	56	51	34	26	14	58	41	39	29	26	21	17	9	75	24	17	14	14	9	4	0	95	4	4	2	2	2	2	0	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0
14	39	60	53	41	29	19	12	9	58	41	36	29	21	12	7	7	70	29	21	14	9	7	2	2	90	9	7	7	2	2	2	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0
21	29	70	63	56	39	24	14	7	48	51	46	41	29	17	7	2	65	34	29	26	17	12	4	2	82	17	12	9	4	2	2	2	95	4	4	2	2	2	2	2	97	2	2	2	2	2	2	2
28	26	73	63	48	39	31	21	17	51	48	39	29	24	19	17	12	65	34	31	21	19	12	9	4	80	19	19	12	9	7	4	2	90	9	4	2	2	0	0	0	97	2	2	2	2	0	0	0
JUL 5	36	63	43	39	26	14	12	2	68	31	24	24	14	12	7	2	82	17	12	12	7	4	2	0	82	17	9	4	4	4	2	0	92	7	4	4	4	2	0	0	100	0	0	0	0	0	0	0
12	34	65	53	51	41	36	29	21	56	43	39	36	36	31	21	17	63	36	31	29	26	21	17	4	78	21	17	17	14	12	7	2	87	12	7	4	4	4	2	2	97	2	0	0	0	0	0	0
19	24	75	68	60	51	39	26	14	46	53	46	41	34	26	14	7	56	43	41	31	29	19	14	7	63	36	31	26	26	17	12	4	75	24	21	17	14	12	9	2	92	7	4	4	4	2	2	0
26	17	82	75	63	53	34	21	14	39	60	56	48	39	21	14	9	53	46	39	31	29	19	12	7	63	36	31	26	21	17	12	7	70	29	24	17	17	9	7	4	87	12	9	7	4	2	2	2
AUG 2	31	68	63	56	39	26	17	14	48	51	46	41	31	21	12	12	65	34	34	29	17	9	9	9	75	24	24	19	12	7	7	7	78	21	21	19	12	4	4	4	90	9	9	9	2	0	0	0
9	29	70	63	51	41	31	24	12	41	58	46	39	26	14	14	12	48	51	39	36	26	14	12	7	58	41	34	29	14	4	2	2	78	21	19	19	12	2	2	2	90	9	9	7	4	2	2	2
16	29	70	60	48	43	31	21	17	48	51	43	39	34	26	17	14	53	46	39	34	29	21	17	14	63	36	31	29	24	21	17	14	68	31	24	24	19	17	9	7	92	7	7	7	7	7	2	2
23	17	82	75	70	63	56	41	26	31	68	63	58	53	46	34	21	43	56	53	51	51	43	34	21	46	53	51	46	46	36	29	19	56	43	41	39	36	31	24	17	78	21	21	21	21	17	9	7
30	19	80	75	70	63	56	34	17	29	70	65	60	51	46	29	17	39	60	53	48	41	39	26	14	43	56	46	46	41	39	26	14	46	53	43	43	39	36	24	14	68	31	26	26	24	19	14	9
SEP 6	31	68	63	56	46	39	21	14	39	60	58	51	41	34	19	12	43	56	51	46	36	29	17	9	53	46	41	36	29	24	14	7	56	43	39	36	29	24	14	7	70	29	24	24	17	12	7	4
13	19	80	68	65	51	39	36	26	36	63	56	48	39	31	31	24	41	58	51	46	36	31	29	21	48	51	41	36	31	26	26	19	51	48	39	34	29	21	21	17	63	36	29	26	24	19	19	17
20	31	68	58	51	43	36	29	7	43	56	48	41	31	24	19	4	51	48	41	36	29	19	17	4	53	46	39	34	26	17	14	4	58	41	36	31	24	17	14	4	68	31	26	24	19	12	9	2
27	31	68	56	51	41	36	29	17	48	51	41	39	31	29	21	12	51	48	39	36	29	21	19	9	53	46	36	36	29	21	19	9	60	39	31	29	21	17	17	9	70	29	26	26	21	14	14	7
OCT 4	41	58	46	39	39	29	24	19	14	58	41	34	29	24	17	17	12	63	36	29	24	21	17	17	12	65	34	26	21	19	14	14	9	70	29	24	21	19	14	14	9	78	21	17	17	17	12	12	9
11	58	41	36	34	31	21	14	7	70	29	26	24	24	14	14	7	75	24	21	21	21	12	12	4	75	24	21	21	21	12	12	4	78	21	19	19	19	9	9	4	80	19	17	17	17	7	4	2
18	53	46	36	34	31	17	12	9	65	34	29	24	19	12	9	7	73	26	21	17	14	9	9	7	73	26	21	17	14	9	9	7	78	21	21	17	14	9	9	7	82	17	17	12	12	7	7	4
25	53	46	41	31	26	17	14	12	65	34	29	21	12	7	4	4	70	29	24	17	9	4	2	2	73	26	21	14	7	4	2	2	75	24	21	14	7	4	2	2	80	19	17	9	4	2	0	0
NOV 1	78	21	21	14	12	9	4	4	85	14	14	7	7	4	2	2	87	12	12	4	4	4	2	2	90	9	9	4	4	4	2	2	92	7	7	4	4	2	2	2	95	4	4	2	2	0	0	0
8	85	14	7	4	2	2	2	2	92	7	4	2	2	2	2	2	92	7	4	2	2	2	2	2	92	7	4	2	2	2	2	2	92	7	4	2	2	2	2	2	95	4	2	2	2	2	2	2
15	90	9	9	9	4	2	2	0	90	9	9	7	2	2	2	0	90	9	9	7	2	2	2	0	90	9	9	7	2	2	2	0	90	9	9	7	2	2	2	0	90	9	7	7	2	2	2	0
22	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 8. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Chattanooga

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	88	11	9	4	2	2	2	0	97	2	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	77	22	20	15	13	9	4	4	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	81	18	15	11	11	6	6	2	95	4	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	59	40	36	27	27	22	13	9	90	9	9	9	4	2	2	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	40	59	45	36	31	27	22	9	84	15	13	9	4	2	2	2	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	47	52	49	38	34	24	20	15	75	24	20	13	11	6	6	6	95	4	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	43	56	52	40	24	22	15	9	63	36	31	24	11	9	2	0	90	9	9	4	4	4	2	0	97	2	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	36	63	52	49	38	29	22	13	59	40	34	34	27	20	15	9	81	18	13	9	6	6	4	4	95	4	4	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	34	65	59	45	38	29	24	22	56	43	38	24	20	18	13	13	72	27	24	13	13	13	9	9	88	11	6	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	20	79	63	47	34	29	27	11	38	61	47	36	18	13	11	6	68	31	27	18	13	11	11	6	77	22	22	13	9	6	6	4	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	25	74	63	54	43	38	29	18	43	56	47	36	27	27	24	15	56	43	36	29	24	24	20	9	72	27	24	18	15	15	13	6	93	6	2	2	2	2	2	2	100	0	0	0	0	0	0	0
28	27	72	61	49	36	29	20	9	40	59	47	36	27	24	15	6	56	43	36	34	24	20	13	4	65	34	24	22	20	15	6	0	84	15	11	11	11	11	9	2	97	2	2	2	2	2	2	2
JUL 5	40	59	54	47	36	27	15	13	52	47	40	34	22	22	11	11	63	36	34	29	18	15	6	6	77	22	15	15	11	11	4	4	84	15	13	13	11	9	4	0	95	4	4	4	2	2	0	0
12	36	63	59	43	34	29	22	20	59	40	36	29	22	22	18	15	68	31	31	27	22	20	15	13	72	27	27	24	18	13	9	6	81	18	11	11	9	9	0	0	95	4	4	4	4	4	0	0
19	31	68	56	49	45	38	29	18	45	54	49	43	36	31	20	15	54	45	38	31	27	22	15	13	63	36	34	29	24	18	13	13	86	13	13	11	9	6	6	4	93	6	4	2	2	2	2	2
26	31	68	56	56	40	34	27	13	50	49	40	40	34	27	22	11	56	43	36	36	31	24	20	9	61	38	29	29	27	20	15	9	72	27	27	22	15	13	11	9	95	4	4	4	4	4	2	2
AUG 2	22	77	74	65	59	38	22	11	50	49	45	38	34	22	18	9	56	43	43	34	31	20	18	9	63	36	31	29	27	18	15	9	68	31	27	24	24	18	15	9	88	11	9	6	6	6	4	2
9	20	79	68	54	47	40	27	15	43	56	49	45	38	29	20	11	56	43	40	36	29	24	15	6	61	38	36	27	22	18	13	4	72	27	27	24	22	15	13	9	79	20	18	18	11	9	9	2
16	20	79	70	65	54	45	36	25	38	61	59	49	40	31	24	18	54	45	45	43	38	27	20	13	59	40	40	38	34	22	18	11	70	29	24	22	18	15	11	4	77	22	20	18	13	11	9	2
23	9	90	84	79	65	61	49	34	27	72	70	65	59	54	43	29	36	63	59	56	47	45	34	20	50	49	47	45	40	38	31	18	61	38	38	36	29	18	11	4	75	24	24	20	15	9	2	2
30	22	77	72	68	63	54	38	22	31	68	63	61	54	47	31	15	40	59	56	54	45	40	27	13	45	54	52	49	40	34	24	11	56	43	40	38	36	36	31	15	68	31	31	24	22	20	15	9
SEP 6	22	77	68	56	54	45	36	25	34	65	59	49	49	43	31	18	34	65	59	47	45	36	24	13	40	59	47	36	36	29	20	9	50	49	47	45	36	29	22	11	63	36	29	27	27	24	18	9
13	29	70	63	59	56	54	34	22	43	56	54	52	47	45	34	22	47	52	49	47	43	40	31	20	47	52	49	45	38	36	27	13	52	47	43	34	31	24	15	6	70	29	24	18	18	13	6	4
20	25	74	63	61	56	52	40	25	36	63	59	56	49	43	31	18	40	59	54	49	45	38	29	18	45	54	49	47	45	38	29	18	56	43	40	36	31	29	22	11	70	29	27	24	18	15	13	6
27	27	72	59	49	43	43	31	25	43	56	49	45	38	38	27	20	50	49	43	38	31	31	22	15	54	45	40	36	31	31	22	15	52	47	43	38	34	29	22	15	65	34	31	29	24	20	15	11
OCT 4	50	49	47	38	31	18	18	11	61	38	38	27	20	13	13	9	65	34	34	24	18	13	13	9	68	31	31	24	18	13	13	9	54	45	40	36	31	31	22	15	65	34	27	24	20	20	13	11
11	61	38	36	29	24	22	18	13	75	24	20	18	18	18	13	11	75	24	20	18	15	15	11	11	77	22	18	15	15	13	11	11	68	31	31	24	18	13	13	9	75	24	24	20	15	13	11	9
18	47	52	43	27	20	20	20	18	70	29	22	13	13	13	11	11	72	27	20	13	13	13	13	11	75	24	20	13	13	13	13	11	79	20	15	13	13	13	11	11	79	20	15	13	13	13	11	9
25	59	40	40	36	27	22	18	13	75	24	22	20	13	11	9	9	77	22	22	20	13	11	9	9	77	22	22	20	13	11	9	9	77	22	18	13	13	13	11	11	79	20	18	13	13	13	11	11
NOV 1	72	27	24	18	11	11	11	9	84	15	15	11	6	6	4	2	86	13	13	9	6	6	4	2	86	13	13	9	6	6	4	2	79	20	20	18	11	9	6	6	81	18	18	15	9	9	6	6
8	86	13	9	6	4	2	2	2	90	9	6	4	4	2	2	2	90	9	6	4	4	2	2	2	90	9	6	4	4	2	2	2	86	13	11	9	6	6	4	2	90	9	9	6	4	4	4	2
15	90	9	6	4	4	2	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	90	9	6	4	4	2	2	2	93	6	4	4	4	2	2	2
22	97	2	2	0	0	0	0	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 9. Probability of occurrence of drouth days based on 40 years of record, 1931 through 1970, for Clarksville

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	92	7	4	4	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	92	7	4	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	82	17	7	7	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	80	19	14	2	2	2	2	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	68	31	24	21	19	9	4	4	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	51	48	34	26	17	12	9	7	87	12	9	4	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	58	41	36	31	26	21	12	9	87	12	12	12	12	12	7	4	95	4	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	46	53	46	39	26	24	21	14	80	19	19	14	12	12	12	7	87	12	7	7	7	7	4	2	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	24	75	70	53	48	39	29	21	48	51	39	34	26	12	12	12	85	14	14	14	9	7	7	7	92	7	7	7	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	34	65	63	58	51	39	36	29	43	56	46	41	34	26	24	17	65	34	29	21	19	4	4	0	90	9	7	7	4	2	2	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0
14	24	75	70	63	46	34	26	14	41	58	53	43	39	29	24	14	46	53	39	29	21	12	12	4	78	21	19	9	4	4	4	2	92	7	4	4	2	2	2	2	100	0	0	0	0	0	0	0
21	26	73	65	58	48	41	29	24	43	56	51	43	39	36	24	17	51	48	43	39	31	29	21	17	63	36	31	26	24	21	12	9	75	24	21	17	12	4	2	0	97	2	0	0	0	0	0	0
28	14	85	73	65	58	48	26	12	36	63	56	51	41	36	19	9	51	48	43	41	39	34	17	4	68	31	29	26	24	19	9	4	78	21	21	19	17	17	9	4	97	2	2	2	2	0	0	0
JUL 5	24	75	70	70	51	41	31	12	31	68	58	56	39	29	19	9	53	46	41	39	24	17	12	4	63	36	31	31	24	17	9	4	73	26	24	24	14	9	7	4	87	12	7	7	4	2	2	2
12	24	75	68	58	53	46	41	26	34	65	58	56	51	43	39	24	39	60	53	53	43	39	34	14	53	46	41	36	34	29	24	14	58	41	31	29	24	19	17	9	82	17	12	12	7	7	7	7
19	14	85	78	70	56	46	43	36	29	70	58	46	39	34	34	29	43	56	51	46	39	34	34	24	48	51	46	39	36	26	26	19	58	41	36	29	24	19	17	12	85	14	12	12	12	9	9	7
26	12	87	82	73	65	46	24	14	24	75	68	63	56	41	21	12	36	63	51	46	41	29	17	9	43	56	51	43	39	29	17	7	53	46	43	31	29	21	14	7	78	21	17	17	14	9	4	4
AUG 2	19	80	75	56	48	41	34	19	34	65	65	48	43	39	29	17	39	60	60	46	41	36	29	17	43	56	51	36	34	29	21	12	53	46	43	34	31	26	19	9	70	29	26	21	17	12	12	7
9	12	87	85	75	63	53	43	24	29	70	63	60	56	46	36	24	31	68	60	58	53	43	36	24	36	63	53	51	48	41	34	24	41	58	51	43	39	34	26	19	58	41	34	31	29	24	17	12
16	24	75	65	60	56	48	36	26	29	70	60	56	51	43	34	21	41	58	51	46	43	36	26	19	41	58	51	43	41	34	24	17	48	51	46	41	39	34	24	17	68	31	29	29	26	21	17	12
23	17	82	75	63	53	46	39	24	31	68	63	56	46	39	29	21	39	60	56	51	43	34	24	17	46	53	48	46	36	29	21	14	48	51	46	41	31	26	19	12	58	41	36	34	24	21	17	9
30	19	80	73	63	53	39	26	17	39	60	51	46	36	26	17	12	41	58	48	43	34	26	17	9	48	51	39	39	31	24	14	9	51	48	39	36	29	21	14	9	58	41	34	34	26	21	14	9
SEP 6	26	73	70	60	48	41	26	19	34	65	60	51	36	31	21	14	46	53	46	39	26	24	19	14	48	51	41	36	24	21	17	14	53	46	39	34	21	19	17	14	65	34	31	29	19	17	14	14
13	21	78	75	73	60	53	36	29	29	70	70	63	46	43	31	26	36	63	63	53	39	34	24	19	43	56	56	48	34	31	24	19	46	53	53	48	34	31	24	19	60	39	39	34	24	21	19	17
20	17	82	78	65	60	51	43	34	24	75	70	58	56	41	31	26	29	70	65	51	43	36	31	26	31	68	63	48	43	36	29	21	36	63	60	48	43	34	26	19	43	56	48	39	31	24	14	9
27	19	80	70	60	53	43	36	19	36	63	56	51	46	39	31	17	39	60	51	48	41	36	29	14	43	56	48	46	41	36	29	14	46	53	46	43	39	36	29	14	48	51	43	41	36	34	24	12
OCT 4	46	53	53	48	39	34	31	19	58	41	41	36	29	26	24	14	58	41	41	34	26	24	21	12	63	36	36	31	24	21	19	9	63	36	36	31	21	19	17	7	70	29	29	29	21	19	17	7
11	56	43	39	39	31	24	24	19	65	34	34	34	24	21	21	19	65	34	34	34	24	21	21	19	68	31	31	31	21	19	19	17	73	26	26	26	19	17	17	14	75	24	24	24	17	14	14	12
18	51	48	43	41	36	29	24	19	60	39	34	34	26	19	17	12	60	39	34	34	24	17	14	9	60	39	34	34	21	17	14	9	65	34	31	31	21	14	12	7	70	29	26	26	17	12	9	7
25	48	51	48	34	26	21	17	14	68	31	29	14	12	7	7	7	70	29	26	14	12	7	7	7	70	29	26	14	12	7	7	7	70	29	26	14	12	7	7	7	78	21	19	7	4	2	2	2
NOV 1	78	21	19	17	14	12	12	12	90	9	7	7	7	4	4	4	92	7	4	4	4	2	2	2	92	7	4	4	4	2	2	2	92	7	4	4	4	2	2	2	95	4	2	2	2	2	2	2
8	82	17	9	9	7	4	4	4	90	9	4	4	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2
15	85	14	12	12	7	7	4	0	87	12	9	9	4	4	4	0	90	9	7	7	4	4	4	0	90	9	7	7	4	4	4	0	90	9	7	7	4	4	4	0	90	9	7	7	4	4	4	0
22	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	97	2	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 10. Probability of occurrence of drouth days based on 40 years of record, 1931 through 1970, for Copperhill

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	95	4	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	90	9	9	7	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	90	9	7	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	78	21	19	14	12	7	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	56	43	36	24	7	7	7	7	95	4	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	46	53	46	39	21	21	14	4	90	9	7	4	4	4	2	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	53	46	36	29	24	12	12	4	82	17	9	9	7	4	4	2	95	4	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	43	56	43	39	29	17	9	2	73	26	19	17	12	9	2	0	95	4	4	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	36	63	58	39	26	21	14	12	65	34	26	14	12	9	9	7	82	17	9	9	0	0	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	56	43	41	34	26	14	14	7	73	26	26	21	14	9	9	7	87	12	12	9	7	4	4	2	95	4	4	2	2	2	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	36	63	48	39	29	17	14	4	70	29	29	24	19	12	9	4	75	24	24	21	19	12	7	2	85	14	7	4	4	2	0	0	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0
28	41	58	56	51	41	34	26	14	58	41	34	34	26	19	14	9	78	21	21	21	14	12	9	7	82	17	14	14	12	12	7	2	95	4	2	2	2	2	2	2	97	2	0	0	0	0	0	0
JUL 5	39	60	51	39	29	19	12	7	58	41	36	31	24	19	12	4	73	26	19	12	4	2	2	0	87	12	7	7	4	2	2	0	92	7	2	0	0	0	0	0	97	2	0	0	0	0	0	0
12	36	63	46	39	34	26	17	17	63	36	29	26	19	12	12	12	70	29	21	19	17	12	12	9	87	12	9	9	7	2	2	2	92	7	4	4	2	2	2	2	95	4	0	0	0	0	0	0
19	43	56	46	34	26	24	14	7	68	31	31	24	17	14	9	7	78	21	21	19	14	12	9	7	80	19	17	14	9	9	9	7	92	7	4	4	2	2	2	2	97	2	2	2	2	2	2	2
26	39	60	48	39	31	17	12	7	73	26	17	9	9	4	4	2	80	19	14	9	9	4	4	0	85	14	9	4	4	0	0	0	92	7	4	4	4	0	0	0	97	2	2	2	2	0	0	0
AUG 2	29	70	56	43	31	19	12	4	60	39	34	29	19	12	2	0	73	26	19	17	12	4	0	0	78	21	17	12	12	4	0	0	90	9	7	7	7	0	0	0	97	2	0	0	0	0	0	0
9	48	51	41	31	19	14	7	2	73	26	21	17	12	12	7	2	78	21	17	12	7	7	0	0	87	12	7	7	4	4	0	0	92	7	4	2	2	2	0	0	100	0	0	0	0	0	0	0
16	36	63	53	41	36	29	24	7	70	29	26	19	14	12	7	4	80	19	17	9	7	7	4	4	90	9	9	4	4	4	2	2	92	7	7	4	4	2	0	0	97	2	2	0	0	0	0	0
23	29	70	63	48	43	34	29	17	58	41	34	29	24	21	19	12	78	21	19	17	12	12	7	2	85	14	7	4	4	4	4	0	92	7	4	2	2	2	0	0	97	2	0	0	0	0	0	0
30	29	70	68	58	51	43	31	17	51	48	46	39	31	26	19	9	65	34	31	26	19	17	12	4	82	17	17	12	9	7	4	2	90	9	9	4	2	2	0	0	100	0	0	0	0	0	0	0
SEP 6	34	65	63	48	43	29	29	21	48	51	48	39	34	19	19	12	65	34	29	24	21	9	9	2	75	24	24	21	19	2	2	0	87	12	12	9	7	0	0	0	100	0	0	0	0	0	0	0
13	19	80	68	58	43	39	31	29	43	56	48	36	21	21	19	17	48	51	39	31	17	17	17	12	65	34	21	14	12	12	12	9	75	24	12	12	7	4	4	4	90	9	2	0	0	0	0	0
20	31	68	60	58	56	46	31	24	46	53	43	41	36	36	24	17	56	43	36	31	29	29	17	12	63	36	29	26	21	17	12	12	75	24	19	14	14	14	7	7	87	12	12	9	9	9	4	4
27	36	63	51	36	34	31	26	17	51	48	41	34	34	31	24	14	60	39	34	21	21	19	17	9	65	34	29	21	21	19	14	7	78	21	19	14	14	12	9	7	85	14	9	7	7	4	4	4
OCT 4	53	46	41	34	24	21	19	14	68	31	26	24	19	17	17	12	73	26	21	19	17	14	14	12	75	24	19	17	14	12	12	9	78	21	17	12	9	9	9	9	95	4	4	4	4	4	4	4
11	60	39	39	39	36	29	24	19	75	24	24	24	24	19	17	12	75	24	24	24	24	19	17	9	80	19	19	19	19	14	12	9	80	19	19	19	19	14	12	9	92	7	7	7	7	4	4	2
18	60	39	36	34	29	14	9	9	78	21	21	17	17	9	7	7	82	17	17	14	14	9	7	7	85	14	14	14	14	9	7	7	85	14	14	14	14	9	7	7	90	9	7	7	7	4	4	4
25	58	41	39	34	29	17	14	14	78	21	21	21	19	9	9	9	80	19	17	17	14	4	4	4	80	19	17	17	12	4	4	4	82	17	14	14	12	4	4	4	87	12	9	9	9	2	2	2
NOV 1	78	21	19	17	14	12	12	9	87	12	9	9	7	4	4	4	87	12	9	9	4	2	2	2	90	9	7	7	4	2	2	2	92	7	4	4	4	2	2	2	92	7	4	2	2	0	0	0
8	87	12	9	2	2	0	0	0	95	4	4	2	2	0	0	0	95	4	4	2	2	0	0	0	97	2	2	2	2	0	0	0	97	2	2	2	2	0	0	0	97	2	2	2	2	0	0	0
15	95	4	4	4	4	4	2	0	95	4	4	4	4	4	2	0	95	4	4	4	4	4	2	0	95	4	4	4	4	4	2	0	97	2	2	2	2	2	0	0	97	2	2	2	2	2	0	0
22	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 11. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Covington

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	93	6	6	4	4	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	84	15	6	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	90	9	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	72	27	20	18	13	11	6	4	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	65	34	29	22	20	13	11	11	93	6	6	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	45	54	43	34	29	18	13	11	86	13	9	9	6	6	4	2	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	45	54	52	40	31	24	20	13	70	29	27	24	20	13	11	2	93	6	6	6	4	4	4	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	31	68	63	59	45	34	24	15	59	40	38	36	24	15	13	9	81	18	18	15	11	4	0	0	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	25	74	63	52	49	47	43	25	47	52	49	43	36	29	27	18	70	29	29	22	18	13	13	6	86	13	9	9	6	4	2	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	34	65	59	47	36	29	27	18	40	59	52	40	27	22	18	11	63	36	31	27	20	13	13	6	77	22	18	15	13	13	9	4	88	11	6	6	4	4	4	2	100	0	0	0	0	0	0	0
21	18	81	74	72	59	49	36	22	34	65	61	56	47	38	24	15	43	56	49	45	34	29	15	13	70	29	27	24	22	20	11	9	79	20	15	15	13	11	6	4	97	2	0	0	0	0	0	0
28	13	86	77	68	59	47	34	27	34	65	61	54	45	40	27	20	45	54	52	45	38	34	20	15	61	38	34	31	24	20	15	11	72	27	24	22	22	18	11	6	90	9	9	4	4	2	0	0
JUL 5	22	77	77	68	61	59	45	20	34	65	61	56	52	49	34	15	45	54	52	45	43	40	27	11	54	45	40	36	34	34	20	6	65	34	29	24	22	22	15	4	88	11	11	9	9	6	4	2
12	13	86	81	65	59	45	40	27	20	79	77	56	52	38	29	22	31	68	61	40	38	29	24	20	50	49	47	34	34	29	15	13	63	36	31	18	18	15	13	9	79	20	11	6	6	4	4	4
19	13	86	84	65	61	52	40	31	27	72	68	54	49	43	36	27	36	63	59	47	47	40	34	27	45	54	49	43	43	34	31	22	50	49	43	36	36	27	24	11	75	24	24	15	15	15	11	4
26	13	86	81	70	65	54	45	31	18	81	72	63	56	49	36	25	20	79	68	61	49	43	34	25	36	63	54	54	47	40	31	20	50	49	45	45	43	36	29	20	61	38	31	27	24	20	15	11
AUG 2	9	90	86	81	70	56	47	29	20	79	70	65	59	45	38	29	27	72	68	63	56	45	38	29	31	68	65	56	54	38	31	22	38	61	56	49	45	31	22	15	59	40	36	31	29	20	15	9
9	13	86	79	70	65	49	43	29	27	72	70	63	59	47	43	29	29	70	68	59	52	40	34	25	34	65	61	56	49	38	34	22	43	56	52	45	40	31	27	20	61	38	34	31	27	18	15	13
16	6	93	81	74	59	47	40	31	20	79	70	59	47	40	29	22	27	72	59	49	40	36	29	22	29	70	56	47	40	36	29	20	34	65	52	45	38	34	22	15	59	40	31	27	24	20	15	13
23	9	90	84	77	70	65	49	36	22	77	70	63	54	52	45	31	29	70	61	59	49	47	43	31	34	65	56	56	47	45	40	31	38	61	54	54	47	45	40	31.	50	49	43	40	34	34	29	22
30	11	88	79	74	63	56	43	36	18	81	74	70	59	54	38	31	29	70	63	59	49	45	36	27	31	68	61	56	47	43	34	25	31	68	59	54	45	40	34	25	40	59	49	45	40	36	31	22
SEP 6	20	79	74	63	47	38	31	18	31	68	61	54	45	36	29	18	31	68	61	52	40	34	27	18	36	63	56	47	36	29	24	18	38	61	54	45	36	29	24	18	40	59	52	43	36	29	24	18
13	25	74	72	61	47	40	34	25	40	59	54	49	38	29	24	15	43	56	52	47	36	29	24	15	47	52	49	43	34	29	24	15	52	47	45	40	31	27	22	15	52	47	45	40	31	27	22	15
20	18	81	77	65	63	52	36	27	34	65	63	52	49	38	31	25	40	59	59	52	49	38	31	25	40	59	59	52	49	38	31	22	43	56	56	52	47	36	29	20	45	54	54	49	45	34	29	20
27	20	79	70	59	49	38	31	29	36	63	54	43	36	34	29	25	45	54	49	38	34	31	29	22	47	52	47	36	31	29	27	20	47	52	47	36	31	29	27	20	50	49	47	36	31	29	24	20
OCT 4	40	59	49	43	34	29	24	22	54	45	36	31	22	20	18	15	59	40	31	27	18	15	13	11	61	38	29	24	18	15	13	11	61	38	29	24	18	15	13	11	63	36	27	22	15	13	13	11
11	43	56	49	47	36	29	24	18	56	43	38	34	27	20	18	13	70	29	27	27	20	15	15	11	70	29	27	27	20	15	15	11	72	27	24	24	18	15	15	11	75	24	22	22	15	13	13	11
18	45	54	49	43	38	36	27	18	56	43	43	36	29	27	18	11	68	31	31	24	18	18	18	11	70	29	29	22	18	18	18	11	70	29	29	22	18	18	18	11	70	29	29	22	18	18	18	11
25	38	61	47	38	29	15	13	6	61	38	31	24	20	9	9	2	68	31	27	18	13	9	9	2	75	24	20	13	9	4	4	2	75	24	20	13	9	4	4	2	75	24	20	13	9	4	4	2
NOV 1	72	27	27	22	15	13	9	4	81	18	18	15	13	11	6	2	84	15	15	13	11	9	6	2	88	11	11	11	9	6	4	2	88	11	11	11	9	6	4	2	88	11	11	11	9	6	4	2
8	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2
15	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 12. Probability of occurrence of drouth days based on 58 years of record, 1913 through 1970, for Crossville

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	94	5	3	1	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	91	8	6	6	6	6	5	3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	91	8	8	6	6	3	1	1	98	1	1	1	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	77	22	16	11	8	8	6	0	94	5	3	3	0	0	0	0	98	1	1	1	0	0	0	0	98	1	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	66	33	20	16	13	10	10	8	94	5	5	5	5	3	1	1	96	3	3	1	1	0	0	0	98	1	1	1	1	0	0	0	98	1	1	0	0	0	0	0	100	0	0	0	0	0	0	0
17	62	37	32	27	13	8	5	3	88	11	11	11	6	3	1	1	94	5	5	5	1	0	0	0	98	1	1	1	0	0	0	0	98	1	1	1	0	0	0	0	100	0	0	0	0	0	0	0
24	69	30	25	18	11	11	8	8	91	8	8	8	6	6	5	5	93	6	5	3	3	3	1	1	96	3	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	0
31	64	35	28	23	11	10	8	8	88	11	10	8	6	3	3	3	94	5	5	5	3	3	3	3	96	3	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
JUN 7	44	55	42	35	28	20	18	5	84	15	15	11	10	8	6	1	91	8	8	8	5	3	3	1	96	3	3	3	3	3	3	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
14	49	50	38	33	27	20	15	10	71	28	20	18	13	10	8	1	89	10	8	8	6	5	3	1	94	5	5	5	5	5	3	0	96	3	3	3	3	1	1	0	98	1	1	1	1	1	1	1
21	40	59	42	33	25	20	16	11	76	23	16	16	11	10	8	6	84	15	10	8	6	6	5	3	91	8	6	6	6	3	3	3	94	5	3	3	3	3	1	1	98	1	1	1	1	1	1	1
28	44	55	42	37	27	18	6	1	72	27	22	18	15	8	6	1	83	16	11	11	8	3	3	0	93	6	6	6	3	1	1	0	93	6	6	5	1	0	0	0	98	1	1	1	1	0	0	0
JUL 5	50	49	42	33	30	23	18	13	72	27	18	13	10	8	3	3	86	13	8	8	8	6	3	3	89	10	5	5	3	3	0	0	96	3	1	1	1	1	0	0	98	1	1	1	1	1	0	0
12	47	52	42	35	23	20	15	10	64	35	28	20	16	13	10	3	83	16	11	5	3	3	1	1	91	8	3	0	0	0	0	0	98	1	1	0	0	0	0	0	100	0	0	0	0	0	0	0
19	44	55	47	35	30	22	13	8	72	27	23	20	18	16	10	8	84	15	15	15	13	11	8	8	88	11	11	11	8	8	5	3	96	3	3	3	1	1	1	1	100	0	0	0	0	0	0	0
26	44	55	49	33	25	15	8	8	71	28	22	15	11	10	3	3	81	18	13	10	10	8	3	3	86	13	10	10	10	8	3	3	89	10	6	6	3	1	0	0	100	0	0	0	0	0	0	0
AUG 2	35	64	50	37	23	18	10	8	64	35	20	15	11	10	5	5	79	20	13	8	8	8	5	3	86	13	10	5	5	5	3	3	88	11	10	5	5	3	1	1	100	0	0	0	0	0	0	0
9	44	55	47	33	20	16	11	0	67	32	25	16	13	13	8	0	77	22	18	13	11	10	5	0	83	16	11	10	8	8	3	0	88	11	11	10	8	8	3	0	98	1	1	1	1	1	0	0
16	47	52	38	37	28	27	23	8	72	27	22	18	13	11	10	3	84	15	13	11	8	6	6	3	91	8	6	5	5	5	5	3	93	6	5	3	3	3	3	1	96	3	3	0	0	0	0	0
23	33	66	55	42	32	27	20	11	67	32	27	25	22	18	13	8	81	18	16	16	16	15	11	8	86	13	11	11	11	8	6	3	91	8	8	8	8	8	6	3	94	5	5	5	5	5	3	3
30	33	66	57	52	38	32	18	11	66	33	27	23	20	15	10	3	74	25	18	16	15	11	8	1	77	22	16	15	11	8	6	1	86	13	10	10	8	6	6	1	91	8	6	6	6	5	5	1
SEP 6	38	61	54	45	33	28	18	10	55	44	35	33	25	20	11	5	72	27	25	22	16	13	8	5	77	22	18	16	13	10	6	5	86	13	13	11	10	6	6	5	93	6	6	6	5	5	5	5
13	38	61	57	54	49	37	28	15	59	40	37	35	30	22	15	5	72	27	25	20	18	15	10	3	79	20	20	18	16	13	8	3	83	16	16	13	11	8	5	0	91	8	6	5	3	3	0	0
20	27	72	62	55	44	32	16	11	54	45	37	30	27	15	5	1	74	25	20	16	15	8	0	0	84	15	11	10	8	1	0	0	86	13	10	8	6	1	0	0	93	6	3	1	1	1	0	0
27	42	57	50	47	38	30	25	16	57	42	38	35	30	22	22	11	74	25	23	20	20	15	15	10	83	16	15	15	13	8	8	5	89	10	10	10	10	6	6	5	94	5	5	5	5	3	3	3
OCT 4	49	50	45	37	28	20	15	11	62	37	32	25	18	13	10	8	77	22	20	15	13	8	6	6	83	16	15	10	8	5	3	3	89	10	8	3	3	1	1	1	96	3	3	1	1	0	0	0
11	54	45	35	30	27	23	13	11	74	25	23	20	18	16	10	8	79	20	15	13	11	10	8	8	88	11	11	10	8	8	6	5	96	3	3	3	3	3	3	3	100	0	0	0	0	0	0	0
18	57	42	37	32	28	23	18	13	67	32	27	22	22	16	10	5	77	22	18	15	13	10	8	5	88	11	10	8	8	6	5	3	89	10	10	8	8	5	3	1	98	1	1	0	0	0	0	0
25	62	37	33	27	22	16	11	10	71	28	27	20	18	15	10	8	79	20	20	15	15	13	8	8	88	11	11	10	10	6	5	5	91	8	8	6	6	6	5	5	98	1	1	1	1	1	1	1
NOV 1	76	23	20	15	13	10	10	6	84	15	13	8	6	3	3	1	86	13	11	5	5	1	1	1	91	8	6	5	5	1	1	1	94	5	5	5	5	1	1	1	98	1	1	1	1	1	1	1
8	86	13	10	6	3	3	3	3	93	6	5	3	3	3	3	3	94	5	3	1	1	1	1	1	94	5	3	1	1	1	1	1	94	5	3	1	1	1	1	1	96	3	1	0	0	0	0	0
15	91	8	6	5	3	3	3	1	94	5	3	3	3	3	1	1	94	5	3	3	3	3	1	0	96	3	1	1	1	1	1	0	96	3	1	1	1	1	1	0	98	1	1	1	1	1	1	0
22	93	6	5	5	3	3	3	1	96	3	3	3	1	1	1	1	96	3	3	3	1	1	1	1	98	1	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	98	1	1	1	1	0	0	0	98	1	1	1	1	0	0	0	98	1	1	1	1	0	0	0	98	1	1	1	1	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	98	1	1	1	1	1	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 13. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Dale Hollow Dam

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	86	13	8	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	82	17	13	4	4	4	0	0	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	91	8	4	0	0	0	0	0	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	73	26	17	8	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	60	39	34	26	17	13	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	56	43	34	26	21	21	13	8	91	8	4	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	56	43	39	26	13	8	4	0	86	13	13	8	8	4	4	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	47	52	43	39	26	21	21	13	82	17	13	13	4	4	4	4	95	4	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	34	65	56	52	39	34	21	4	69	30	17	17	13	8	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	39	60	47	47	30	26	26	13	60	39	26	26	21	17	13	4	86	13	13	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	43	56	47	34	26	13	8	8	60	39	26	17	17	13	8	8	86	13	13	8	4	4	4	4	95	4	4	4	4	4	0	0	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0
28	39	60	56	47	39	21	8	8	60	39	34	30	21	17	8	8	82	17	17	13	13	8	8	8	91	8	8	8	4	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
JUL 5	52	47	47	34	21	17	8	8	65	34	34	21	13	13	4	4	69	30	26	13	4	4	4	0	95	4	4	0	0	0	0	0	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0
12	43	56	56	47	39	26	13	0	65	34	34	26	26	21	8	0	69	30	26	17	17	17	4	0	82	17	8	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	39	60	52	47	39	26	21	13	56	43	34	34	17	13	13	8	69	30	26	26	17	13	13	8	73	26	21	21	13	8	8	0	91	8	0	0	0	0	0	0	95	4	0	0	0	0	0	0
26	30	69	60	52	43	34	26	17	60	39	34	34	34	30	21	17	65	34	30	26	26	21	17	17	73	26	26	26	26	21	17	13	78	21	21	21	21	17	8	8	95	4	4	4	4	0	0	0
AUG 2	17	82	78	73	65	43	34	21	56	43	39	39	39	34	26	17	65	34	34	34	34	30	26	17	69	30	30	30	26	21	17	13	73	26	26	26	26	21	17	13	91	8	8	8	4	0	0	0
9	39	60	56	52	43	39	21	8	52	47	47	47	39	21	17	8	69	30	26	26	17	13	8	0	73	26	26	26	17	13	4	0	78	21	21	17	8	4	0	0	86	13	13	13	8	0	0	0
16	17	82	78	56	52	47	39	30	34	65	56	43	39	34	34	26	47	52	52	43	39	30	26	13	65	34	30	26	21	21	21	13	69	30	30	26	21	21	21	8	82	17	17	17	17	13	13	4
23	30	69	56	56	52	39	30	21	39	60	47	47	43	34	30	17	52	47	43	43	39	26	26	17	52	47	43	43	34	21	17	8	73	26	26	26	26	17	17	8	78	21	21	21	17	17	17	8
30	17	82	78	73	60	60	47	26	39	60	56	43	34	30	21	13	47	52	52	34	30	30	21	13	56	43	43	34	30	30	21	13	60	39	34	34	26	21	13	8	78	21	21	21	17	17	13	8
SEP 6	21	78	73	65	56	39	26	17	39	60	60	52	47	39	26	17	52	47	43	43	39	30	21	17	56	43	39	39	34	26	17	8	69	30	30	30	26	17	13	8	73	26	26	21	17	13	8	4
13	13	86	73	65	52	43	30	8	30	69	65	52	43	39	26	8	47	52	47	43	39	34	21	4	56	43	39	34	30	26	13	4	60	39	34	30	21	17	13	4	82	17	13	13	13	13	13	4
20	47	52	47	43	34	26	26	13	52	47	47	43	34	21	21	8	60	39	34	30	21	13	13	8	65	34	30	30	21	13	8	4	73	26	21	21	13	8	8	4	91	8	8	8	8	4	4	0
27	30	69	60	47	43	39	34	30	56	43	39	26	26	21	17	17	60	39	34	26	26	21	17	17	65	34	30	21	21	21	17	17	69	30	26	21	21	21	13	13	86	13	8	4	4	4	4	4
OCT 4	65	34	34	26	13	13	8	4	78	21	21	17	4	4	4	4	86	13	13	13	4	4	4	4	86	13	13	13	4	4	4	4	86	13	13	13	4	4	4	4	91	8	8	8	4	4	4	4
11	65	34	30	30	21	21	17	13	65	34	26	26	21	21	17	13	69	30	21	21	17	17	13	8	82	17	13	13	13	13	13	8	82	17	13	13	13	13	8	8	95	4	4	4	4	4	4	4
18	52	47	43	39	21	17	17	13	65	34	30	26	13	8	8	8	69	30	30	21	8	8	8	8	82	17	17	17	8	8	8	8	82	17	17	17	8	8	8	8	95	4	4	4	4	4	4	4
25	56	43	39	30	26	13	13	8	73	26	21	13	8	4	4	4	78	21	17	8	4	4	4	4	86	13	8	4	4	4	4	4	86	13	8	4	4	4	4	4	91	8	4	0	0	0	0	0
NOV 1	69	30	30	17	13	13	13	8	82	17	17	4	4	4	4	4	82	17	17	4	4	4	4	4	86	13	13	4	4	4	4	4	86	13	13	4	4	4	4	4	86	13	13	4	4	4	4	4
8	86	13	4	4	4	4	4	4	91	8	4	4	4	4	4	4	91	8	4	4	4	4	4	4	91	8	4	4	4	4	4	4	91	8	4	4	4	4	4	4	91	8	4	4	4	4	4	4
15	86	13	4	4	4	4	4	0	86	13	4	4	4	4	4	0	86	13	4	4	4	4	4	0	86	13	4	4	4	4	4	0	86	13	4	4	4	4	4	0	95	4	4	4	4	4	4	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 14. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Dickson

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	2 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	3 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	4 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	5 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	7 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	4	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	86	13	13	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	86	13	13	4	0	0	0	0	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	65	34	34	30	30	26	17	13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	65	34	34	26	8	8	8	8	86	13	13	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	60	39	26	26	8	8	8	8	91	8	8	8	8	8	8	8	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	47	52	39	39	30	26	21	17	82	17	17	17	13	8	8	4	91	8	8	8	8	8	8	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	39	60	60	47	34	26	21	13	65	34	30	21	13	13	8	4	82	17	13	13	0	0	0	0	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	34	65	60	56	56	47	39	26	52	47	47	39	34	26	26	13	73	26	17	13	13	8	8	8	91	8	8	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	34	65	56	47	43	43	30	17	60	39	34	30	30	30	17	13	65	34	26	21	17	17	4	4	91	8	8	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	26	73	47	47	43	30	17	13	56	43	30	30	30	21	17	13	69	30	26	26	26	21	17	13	78	21	17	17	17	13	8	4	86	13	4	4	0	0	0	0	100	0	0	0	0	0	0	0
28	26	73	65	52	47	39	17	8	52	47	43	43	39	26	17	8	60	39	34	26	21	17	13	4	69	30	26	26	21	17	13	4	82	17	17	17	17	13	8	4	100	0	0	0	0	0	0	0
JUL 5	30	69	65	56	39	17	13	13	47	52	52	39	26	13	8	8	65	34	34	26	21	13	8	8	73	26	26	21	21	13	8	8	78	21	17	13	13	8	4	4	91	8	4	4	0	0	0	0
12	21	78	73	65	47	26	21	13	39	60	43	39	30	21	17	8	52	47	43	34	17	13	13	8	69	30	26	26	17	13	13	8	69	30	26	26	13	8	8	8	91	8	4	4	4	4	4	4
19	21	78	60	56	47	47	43	21	34	65	56	52	43	39	34	17	39	60	47	34	26	26	21	8	65	34	26	21	21	21	17	8	69	30	26	21	21	21	17	8	82	17	8	8	8	8	8	4
26	26	73	65	56	34	26	26	21	43	56	43	43	26	21	21	21	47	52	43	43	26	21	21	21	52	47	39	30	17	13	13	13	69	30	26	26	17	13	13	13	78	21	13	13	13	8	8	8
AUG 2	13	86	86	82	73	60	30	17	34	65	65	52	52	43	21	13	39	60	56	52	47	43	21	13	47	52	52	52	43	39	21	13	56	43	39	30	26	21	13	4	73	26	26	21	17	17	8	0
9	21	78	69	52	47	47	34	17	30	69	60	43	39	34	26	17	39	60	47	39	34	30	21	17	52	47	34	30	26	26	17	13	60	39	34	30	26	21	17	13	78	21	17	17	17	17	8	4
16	17	82	73	73	52	39	26	17	30	69	65	60	43	30	26	17	39	60	56	56	39	21	17	17	43	56	52	52	30	17	17	17	47	52	43	39	17	8	8	8	65	34	26	26	8	4	4	4
23	4	95	82	69	60	56	47	21	34	65	60	52	47	43	34	21	39	60	52	47	43	39	34	21	43	56	47	43	39	34	26	13	56	43	39	34	34	30	26	13	65	34	30	21	21	17	13	8
30	17	82	78	73	73	52	39	26	30	69	65	60	56	43	30	21	43	56	52	47	47	34	26	17	43	56	52	47	47	34	26	17	52	47	43	39	39	30	26	17	65	34	34	26	26	21	17	17
SEP 6	21	78	78	65	65	43	30	26	30	69	69	56	52	34	26	21	43	56	52	47	43	34	26	21	52	47	47	43	43	34	26	21	52	47	47	43	43	30	26	21	65	34	34	30	30	21	17	17
13	8	91	86	69	56	52	43	21	21	78	78	65	52	52	39	17	39	60	60	52	43	43	39	17	47	52	52	43	34	34	30	17	47	52	52	39	30	30	26	17	65	34	34	30	21	21	17	13
20	26	73	69	65	60	56	47	34	30	69	65	60	56	52	43	21	39	60	56	52	43	39	30	17	47	52	47	43	39	34	26	17	56	43	39	34	30	26	21	13	65	34	30	26	21	17	13	4
27	21	78	65	60	56	43	34	30	34	65	56	47	47	39	34	30	43	56	47	43	43	34	30	26	43	56	47	39	39	34	30	26	43	56	47	39	39	34	26	17	60	39	39	30	30	26	21	17
OCT 4	56	43	39	30	26	26	26	17	60	39	36	26	21	21	21	17	60	39	34	26	17	17	13	13	73	26	21	13	8	8	8	8	73	26	21	13	8	8	8	8	82	17	13	8	8	8	8	8
11	56	43	39	21	21	21	17	17	65	34	30	21	21	21	17	17	65	34	30	21	21	21	17	17	69	30	26	13	13	13	8	8	78	21	17	8	8	8	8	8	82	17	13	8	8	8	8	8
18	60	39	34	30	21	21	17	13	60	39	34	30	21	21	13	13	65	34	30	26	17	17	13	13	65	34	30	21	17	17	13	13	73	26	21	17	13	13	8	8	78	21	17	17	13	13	8	8
25	47	52	47	39	30	30	21	13	69	30	30	26	26	26	17	8	73	26	26	21	21	21	13	4	73	26	26	21	21	21	13	4	78	21	21	17	17	17	8	4	82	17	13	8	8	8	8	0
NOV 1	69	30	26	13	13	13	13	13	82	17	13	4	4	4	4	4	86	13	8	4	4	4	4	4	86	13	8	4	4	4	4	4	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4
8	73	26	21	17	13	8	4	0	82	17	17	13	8	4	4	0	82	17	17	13	8	0	0	0	86	13	13	8	4	0	0	0	86	13	13	8	4	0	0	0	86	13	13	8	4	0	0	0
15	86	13	8	8	8	4	4	4	91	8	8	8	8	4	4	4	91	8	8	8	8	4	4	4	91	8	8	8	8	4	4	4	91	8	8	8	8	4	4	4	91	8	8	8	8	4	4	4
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 15. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Dover

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	2 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	3 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	4 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	5 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	7 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	93	6	6	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	95	4	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	90	9	4	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	90	9	6	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	84	15	13	13	13	13	6	2	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	77	22	18	15	6	4	4	4	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	81	18	13	6	4	4	4	4	93	6	6	4	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	68	31	29	20	13	4	4	2	93	6	6	2	2	2	2	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	65	34	24	24	22	15	15	4	86	13	11	11	9	4	2	0	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	63	36	36	31	27	22	18	18	79	20	20	18	15	11	11	9	88	11	9	4	4	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	65	34	29	22	20	13	9	4	68	31	24	20	13	6	6	4	86	13	11	11	9	4	4	2	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	56	43	38	34	27	22	13	13	72	27	24	22	22	20	13	13	77	22	20	15	13	13	9	6	86	13	11	11	4	4	4	4	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0
28	54	45	45	36	31	24	11	9	70	29	24	20	18	15	11	9	79	20	15	13	13	13	9	6	86	13	11	9	9	9	9	6	90	9	9	9	4	4	4	2	100	0	0	0	0	0	0	0
JUL 5	52	47	40	36	24	18	6	6	68	31	27	22	15	15	4	4	75	24	24	20	15	15	4	4	86	13	13	13	11	11	4	4	88	11	11	11	11	11	4	4	97	2	2	2	2	0	0	0
12	47	52	47	38	22	15	9	6	63	36	31	24	20	15	9	6	72	27	24	20	15	11	6	4	77	22	20	18	11	9	4	4	86	13	9	9	6	2	2	0	90	9	6	6	4	4	0	0
19	54	45	38	34	29	20	13	9	63	36	27	22	20	13	6	4	81	18	18	18	15	13	6	4	81	18	15	15	13	13	6	4	84	15	15	13	9	9	4	2	90	9	9	6	4	4	4	2
26	50	49	43	36	29	20	15	11	65	34	31	27	24	20	13	11	68	31	24	18	18	13	9	6	77	22	20	15	15	11	6	6	81	18	18	18	11	11	9	6	90	9	9	6	6	6	6	6
AUG 2	47	52	47	38	34	31	27	15	61	38	36	31	27	22	20	13	68	31	29	27	24	22	20	13	70	29	27	24	22	18	15	9	77	22	22	20	15	15	11	6	88	11	11	9	6	6	4	4
9	47	52	47	43	31	24	20	13	56	43	38	31	24	20	18	13	65	34	31	27	20	20	18	13	68	31	31	27	20	18	15	11	72	27	27	22	15	13	13	9	81	18	18	13	9	9	9	4
16	50	49	45	38	36	29	22	20	59	40	34	31	27	22	20	18	63	36	27	22	22	20	18	15	70	29	22	20	20	15	15	13	72	27	22	20	20	15	13	11	79	20	15	13	13	9	9	9
23	50	49	45	40	31	29	20	15	65	34	34	29	27	24	18	11	68	31	29	24	24	24	18	11	72	27	27	20	20	20	13	11	77	22	22	18	18	18	11	11	81	18	15	11	11	11	9	9
30	50	49	45	40	38	31	24	13	61	38	36	31	29	24	20	9	65	34	31	27	27	22	18	6	70	29	27	22	22	20	15	6	72	27	24	20	18	15	13	4	79	20	18	13	13	13	11	4
SEP 6	56	43	36	34	29	18	13	11	63	36	29	27	22	15	9	6	68	31	27	24	18	13	6	4	70	29	22	18	13	11	4	4	77	22	20	18	13	11	4	4	84	15	13	11	6	6	2	2
13	59	40	40	40	34	24	20	13	65	34	34	34	27	22	18	6	72	27	27	27	20	15	13	6	77	22	22	22	15	13	11	4	81	18	18	18	13	11	9	4	84	15	13	13	11	9	6	4
20	65	34	29	24	22	20	18	15	70	29	27	20	20	15	13	13	77	22	20	15	13	9	6	6	81	18	15	11	11	6	6	6	84	15	15	11	9	4	4	4	90	9	9	4	4	2	2	2
27	54	45	36	31	27	22	18	9	72	27	22	20	20	15	13	9	75	24	20	20	20	15	13	6	79	20	15	13	11	6	6	6	81	18	13	11	11	6	6	6	86	13	9	9	9	6	6	6
OCT 4	70	29	27	20	18	13	9	4	84	15	15	13	13	6	4	2	86	13	13	9	9	4	2	0	90	9	9	6	6	2	2	0	90	9	6	6	6	2	2	0	93	6	6	6	6	2	2	0
11	70	29	29	22	18	13	11	11	79	20	18	18	13	11	11	9	84	15	15	15	11	9	9	6	86	13	13	13	9	6	6	2	93	6	6	6	4	2	2	2	95	4	4	4	2	2	2	2
18	79	20	20	18	15	9	9	6	84	15	15	15	13	9	9	4	84	15	15	15	13	9	9	4	86	13	13	13	11	9	6	2	88	11	11	11	6	6	6	2	93	6	6	6	2	2	2	2
25	77	22	13	11	9	9	6	6	88	11	6	4	4	4	2	2	88	11	6	4	4	4	2	2	88	11	6	4	4	4	2	2	88	11	4	2	2	2	0	0	90	9	4	2	0	0	0	0
NOV 1	90	9	9	9	9	9	9	9	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0
8	93	6	4	4	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0
15	93	6	6	6	4	2	2	0	93	6	4	4	4	2	2	0	95	4	4	4	4	4	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 16. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Fayetteville

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
15	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
22	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
29	86	13	13	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
APR 5	86	13	13	13	13	13	13	13	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
12	86	13	13	13	13	13	13	13	86	13	13	13	13	13	13	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
19	73	26	13	13	8	8	8	8	86	13	13	13	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
26	73	26	26	17	13	13	13	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
MAY 3	52	47	43	43	39	26	17	17	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
10	60	39	34	26	21	21	21	21	82	17	13	13	13	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
17	60	39	34	34	34	34	30	21	78	21	21	21	21	17	17	13	86	13	13	13	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
24	56	43	39	34	30	26	21	13	78	21	21	21	21	17	17	13	82	17	13	13	13	13	13	8	86	13	13	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
31	47	52	52	47	34	34	26	26	69	30	30	26	26	17	17	17	82	17	13	13	13	13	13	13	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
JUN 7	21	78	52	52	47	39	34	30	52	47	34	34	34	26	26	26	69	30	21	17	17	13	13	13	82	17	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
14	21	78	65	52	34	34	30	21	52	47	26	26	26	26	21	13	73	26	21	21	21	21	21	13	82	17	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
21	39	60	56	52	47	39	34	21	47	52	39	34	30	30	30	17	78	21	17	17	17	17	17	13	82	17	17	17	17	17	17	13	86	13	8	8	8	8	8	8	91	8	8	8	8	8	8	8
28	17	82	78	69	60	47	47	30	34	65	65	60	52	47	47	30	47	52	43	39	39	30	26	13	69	30	21	21	21	17	17	13	78	21	17	13	13	8	8	4	91	8	8	8	8	4	4	4
JUL 5	30	69	69	56	34	34	34	26	39	60	60	47	30	30	30	21	52	47	47	39	26	26	26	17	60	39	30	26	21	17	13	13	78	21	21	17	13	8	8	8	95	4	4	4	4	4	4	4
12	34	65	60	60	60	56	43	26	34	65	60	60	60	52	39	21	39	60	56	56	56	47	34	21	47	52	47	43	43	30	26	21	69	30	30	30	30	26	17	17	73	26	26	13	8	4	4	4
19	47	52	34	21	21	21	21	17	60	39	30	21	21	21	21	17	65	34	30	21	21	21	17	13	69	30	21	17	17	17	17	13	78	21	17	17	17	17	17	13	82	17	13	13	13	13	13	8
26	26	73	65	47	43	34	34	21	56	43	39	30	30	30	30	21	60	39	34	26	26	26	26	21	60	39	30	26	26	26	26	21	69	30	26	17	17	17	17	13	78	21	17	8	8	8	8	8
AUG 2	26	73	69	65	56	52	43	34	47	52	47	39	34	34	34	21	56	43	39	34	34	34	34	21	60	39	34	26	26	26	26	17	65	34	30	21	21	21	21	17	86	13	13	8	8	8	8	8
9	30	69	65	60	47	43	43	34	39	60	52	47	39	39	39	30	52	47	43	39	30	26	26	21	56	43	39	34	30	26	21	17	60	39	34	26	21	17	17	17	69	30	21	13	13	8	8	8
16	21	78	69	52	43	30	26	26	34	65	52	39	34	26	21	21	34	65	47	30	26	21	17	13	47	52	34	21	21	17	13	13	52	47	34	21	21	13	8	8	65	34	26	17	17	13	8	8
23	26	73	65	65	56	39	30	21	39	60	52	52	43	26	21	17	39	60	52	52	39	21	17	17	43	56	47	47	39	21	17	17	52	47	43	43	34	21	17	17	65	34	34	34	30	21	17	17
30	26	73	69	65	65	65	39	26	39	60	60	56	47	47	30	26	39	60	60	56	47	47	30	26	39	60	60	56	47	47	30	21	47	52	52	47	39	39	26	21	69	30	30	30	30	30	26	21
SEP 6	21	78	73	60	52	43	21	21	52	47	47	43	39	34	21	21	52	47	43	39	34	30	21	21	52	47	43	39	34	30	21	21	52	47	43	39	30	26	21	17	65	34	30	26	17	13	13	13
13	30	69	69	65	56	47	43	34	47	52	47	47	39	34	26	26	47	52	47	47	39	34	26	26	47	52	47	47	39	34	26	26	52	47	43	43	39	34	26	26	65	34	30	30	30	30	21	21
20	34	65	60	52	47	39	39	30	47	52	43	39	39	30	30	26	56	43	39	34	34	26	26	21	56	43	39	34	30	26	26	21	60	39	34	30	26	21	21	17	65	34	30	21	17	13	13	8
27	30	69	56	47	39	39	30	26	47	52	47	39	30	30	21	17	60	39	39	30	26	26	17	13	60	39	39	30	26	26	17	13	65	34	34	26	21	21	13	13	69	30	30	26	21	21	13	13
OCT 4	26	73	60	52	47	30	17	13	52	47	34	30	26	21	13	13	69	30	26	21	17	13	13	13	69	30	26	21	17	13	13	13	69	30	26	21	17	13	13	13	73	26	21	17	13	8	8	8
11	43	56	47	47	39	39	30	30	60	39	34	30	21	21	17	17	69	30	26	17	17	17	17	17	73	26	21	17	17	17	17	17	73	26	21	17	17	17	17	17	82	17	17	13	13	13	13	13
18	52	47	43	43	34	26	26	26	60	39	39	39	26	21	21	21	69	30	30	30	21	21	21	21	69	30	30	30	21	21	21	21	69	30	30	30	21	21	21	21	73	26	26	26	17	17	17	17
25	52	47	43	39	34	30	30	26	65	34	34	26	26	26	26	21	69	30	30	21	21	21	17	17	73	26	26	17	17	17	17	17	73	26	26	17	17	17	17	17	73	26	26	17	17	17	17	17
NOV 1	78	21	21	17	17	13	13	13	82	17	17	13	13	13	8	8	82	17	17	13	13	13	8	8	86	13	13	13	13	13	8	8	86	13	13	13	13	13	8	8	86	13	13	13	13	13	8	8
8	82	17	17	13	13	13	13	13	86	13	13	13	13	13	13	13	86	13	13	13	13	13	13	13	86	13	13	13	13	13	13	13	86	13	13	13	13	13	13	13	86	13	13	13	13	13	13	13
15	86	13	13	13	13	13	8	8	86	13	13	13	13	13	8	8	86	13	13	13	13	13	8	8	86	13	13	13	13	13	8	8	86	13	13	13	13	13	8	8	86	13	13	13	13	13	8	8
22	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
29	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
DEC 6	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
13	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
20	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
27	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
JAN 3	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
10	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
17	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
24	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
31	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
FEB 7	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
14	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
21	91	0	0	0	0	0	0	0	91	0	0	0	0	0	0	0	91	0	0	0	0	0	0	0	91	0	0	0	0	0	0	0	91	0	0	0	0	0	0	0	91	0	0	0	0	0	0	0

Table 17. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Franklin, Ky.

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	90	9	4	4	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	86	13	9	4	4	4	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	84	15	11	11	9	2	2	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	70	29	27	22	15	11	6	2	95	4	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	70	29	27	20	15	6	6	2	90	9	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	70	29	18	11	11	9	4	2	93	6	6	4	4	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	59	40	29	22	20	15	13	9	90	9	9	6	4	4	4	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	47	52	52	45	36	31	24	15	65	34	29	24	20	11	11	6	90	9	6	6	6	4	4	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	49	54	49	40	38	29	22	20	59	40	38	34	29	22	18	15	77	22	20	18	13	13	6	6	90	9	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	50	49	45	43	29	18	11	6	70	29	27	24	20	15	6	2	77	22	18	18	11	9	4	2	88	11	11	9	9	6	4	2	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	50	49	47	38	29	20	15	6	63	36	31	27	20	13	11	4	81	18	18	15	13	13	11	4	86	13	11	6	4	4	4	2	93	6	6	6	4	4	2	0	100	0	0	0	0	0	0	0
28	47	52	43	36	34	29	27	9	59	40	29	29	24	22	18	6	75	24	15	15	13	11	11	4	84	15	11	11	11	9	9	4	90	9	6	6	4	4	2	2	100	0	0	0	0	0	0	0
JUL 5	40	59	49	40	29	15	11	6	61	38	31	29	20	13	9	4	68	31	22	20	13	9	4	2	86	13	11	11	9	4	2	2	90	9	6	6	4	4	2	2	97	2	0	0	0	0	0	0
12	38	61	45	40	29	20	15	6	56	43	31	29	18	13	11	4	63	36	27	22	11	9	6	2	77	22	15	13	4	2	0	0	86	13	6	2	0	0	0	0	97	2	0	0	0	0	0	0
19	34	65	61	43	38	36	24	15	50	49	45	36	29	24	20	13	56	43	36	29	22	18	15	11	63	36	31	24	18	13	9	6	77	22	15	15	9	4	4	4	93	6	6	6	6	4	2	2
26	34	65	63	47	40	27	20	15	43	56	52	43	34	22	18	13	54	45	45	36	29	18	18	13	61	38	38	31	27	15	15	11	65	34	34	24	15	9	9	6	90	9	9	9	9	4	4	0
AUG 2	27	72	65	56	43	36	29	20	40	59	56	49	36	34	24	15	47	52	49	40	29	27	22	15	56	43	40	34	27	22	18	11	63	36	36	29	24	22	15	9	86	13	11	9	9	9	4	4
9	29	70	68	56	38	34	24	18	38	61	56	47	36	31	22	13	45	54	49	43	31	27	20	13	56	43	38	38	29	24	18	11	63	36	34	31	24	20	11	6	81	18	15	13	11	9	4	2
16	38	61	54	47	31	27	15	13	47	52	45	36	24	20	13	11	54	45	38	34	22	20	13	11	56	43	36	29	20	20	11	9	70	29	27	20	15	15	9	9	77	22	18	15	11	11	4	4
23	29	70	65	59	52	38	27	20	47	52	49	43	38	29	22	18	50	49	43	36	31	24	20	18	54	45	43	31	27	20	13	11	65	34	31	20	15	13	11	11	79	20	18	13	13	13	11	11
30	45	54	54	47	43	36	29	22	54	45	43	36	27	24	22	20	63	36	34	27	22	22	20	18	65	34	31	24	20	20	18	15	68	31	29	24	20	20	15	11	79	20	18	13	11	11	9	6
SEP 6	38	61	56	54	40	31	24	18	52	47	47	43	36	27	20	15	56	43	43	38	29	22	15	13	61	38	38	34	27	20	13	11	63	36	34	29	24	18	11	9	81	18	18	18	18	15	9	6
13	31	68	63	63	56	38	29	18	40	59	52	49	47	29	22	13	50	49	47	47	45	27	22	11	52	47	45	45	40	27	22	11	54	45	43	40	38	24	20	9	75	24	22	20	20	15	11	4
20	38	61	59	47	40	31	24	18	45	54	52	43	36	27	22	18	50	49	45	36	29	20	13	11	54	45	43	34	27	15	11	11	56	43	40	31	24	15	11	11	75	24	22	18	15	9	9	0
27	43	56	45	40	36	31	27	20	50	49	38	36	31	27	20	13	54	45	34	34	24	22	15	13	56	43	31	29	22	18	11	9	59	40	29	27	18	15	9	6	70	29	22	20	18	15	9	6
OCT 4	56	43	38	29	27	24	18	13	65	34	31	24	22	20	13	13	70	29	27	20	20	18	13	13	72	27	24	18	18	15	11	11	72	27	24	18	18	15	9	9	86	13	13	13	13	13	9	9
11	56	43	38	31	24	20	15	13	70	29	29	24	18	15	11	11	72	27	27	24	18	15	11	11	75	24	24	22	15	13	6	6	77	22	22	20	13	11	6	6	84	15	15	13	11	9	6	6
18	59	40	34	31	29	24	22	18	70	29	24	22	20	15	13	9	72	27	22	20	20	15	11	9	75	24	20	18	18	15	11	9	77	22	18	15	15	13	9	6	84	15	11	9	9	6	6	0
25	54	45	43	36	29	22	15	15	65	34	27	22	13	11	4	4	72	27	22	20	11	9	2	2	72	27	22	20	11	9	2	2	72	27	20	18	11	9	2	2	77	22	18	15	11	9	2	2
NOV 1	79	20	20	20	13	11	11	11	86	13	13	11	9	6	6	6	90	9	9	9	6	4	4	4	90	9	9	9	6	4	4	4	90	9	9	9	6	4	4	4	93	6	6	6	6	4	4	4
8	79	20	15	13	11	9	9	9	86	13	11	11	11	9	9	9	90	9	6	6	6	4	4	4	90	9	6	6	6	4	4	4	90	9	6	6	6	4	4	4	93	6	6	6	6	4	4	4
15	84	15	11	11	4	4	4	4	88	11	9	9	2	2	2	2	93	6	6	6	2	2	2	2	93	6	6	6	2	2	2	2	93	6	6	6	2	2	2	2	93	6	6	6	2	2	2	2
22	95	4	4	4	4	4	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2
29	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0
DEC 6	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 18. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Franklin

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	2 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	3 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	4 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	5 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	7 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	86	13	6	4	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	90	9	6	6	6	4	4	4	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	13	9	6	6	6	4	95	4	4	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	65	34	27	24	22	11	2	0	95	4	4	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	45	54	45	36	29	18	11	9	86	13	11	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	45	54	47	36	20	9	4	4	77	22	18	13	6	2	2	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	52	47	45	36	27	24	24	20	75	24	22	18	15	15	15	13	90	9	6	6	4	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	43	56	52	45	34	24	24	22	59	40	34	29	20	15	11	11	84	15	13	13	11	9	9	9	90	9	4	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	27	72	70	63	54	47	38	27	52	47	45	38	34	31	22	18	70	29	24	22	18	18	11	6	86	13	13	11	6	4	2	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0
14	25	74	61	59	47	36	31	20	43	56	49	47	40	31	29	20	54	45	38	31	22	18	13	13	79	20	18	13	11	6	6	6	90	9	9	6	4	4	2	2	97	2	0	0	0	0	0	0
21	27	72	63	59	40	29	22	18	56	43	40	40	31	24	20	13	59	40	38	34	22	18	18	13	75	24	22	20	13	11	11	6	86	13	13	9	6	6	6	4	95	4	4	4	2	2	2	2
28	25	74	65	54	43	29	20	9	43	56	45	34	24	18	11	4	56	43	38	29	20	13	9	4	68	31	27	22	18	13	9	4	81	18	18	15	11	6	4	0	95	4	4	2	2	2	0	0
JUL 5	29	70	61	49	45	31	22	15	45	54	45	40	34	24	20	13	56	43	29	27	24	18	15	9	70	29	22	22	22	13	13	9	75	24	20	20	18	11	9	4	95	4	4	4	4	2	0	0
12	22	77	70	63	56	47	38	20	43	56	49	47	43	38	31	18	50	49	45	45	38	29	24	13	61	38	34	34	31	27	20	6	68	31	24	24	22	18	13	6	84	15	15	11	9	2	2	0
19	15	84	79	63	54	47	40	18	34	65	61	49	40	36	27	13	47	52	49	40	36	34	27	11	54	45	43	38	31	29	27	9	61	38	38	31	24	15	15	9	79	20	18	15	11	9	6	2
26	15	84	77	63	54	43	36	18	36	63	59	54	45	36	27	15	52	47	40	40	36	29	22	15	61	38	38	38	34	29	22	15	65	34	34	34	29	24	22	15	81	18	18	18	15	15	13	9
AUG 2	15	84	74	70	59	47	31	15	34	65	59	59	43	40	29	13	43	56	47	47	31	27	20	9	59	40	36	31	24	20	15	9	65	34	27	24	20	20	15	9	75	24	20	20	18	18	11	4
9	22	77	68	52	47	40	27	18	31	68	59	49	45	36	24	13	38	61	54	47	40	34	22	11	47	52	43	38	31	27	18	6	59	40	38	34	29	27	18	6	65	34	29	22	22	20	15	6
16	25	74	65	56	49	36	24	22	38	61	52	45	43	36	24	20	43	56	47	38	36	29	22	18	50	49	40	31	29	24	18	13	65	34	31	24	24	18	11	9	75	24	22	18	18	15	11	9
23	9	90	68	63	54	49	31	20	38	61	47	45	40	36	29	20	40	59	45	40	36	31	24	15	47	52	38	36	31	29	22	13	54	45	36	31	24	22	18	9	70	29	27	24	20	18	13	4
30	15	84	74	70	56	54	36	29	34	65	56	49	40	40	20	18	45	54	47	43	36	34	20	18	47	52	45	40	36	34	18	15	59	40	36	31	27	27	15	13	72	27	24	22	18	18	9	6
SEP 6	22	77	70	59	52	40	31	25	38	61	59	54	47	36	27	22	50	49	47	43	36	29	22	18	52	47	45	40	34	27	22	18	56	43	40	38	29	22	18	13	75	24	24	22	20	18	15	13
13	29	70	65	61	54	40	29	25	47	52	49	47	45	31	20	18	52	47	43	40	38	29	20	18	54	45	43	40	38	29	20	15	56	43	38	36	36	27	18	13	70	29	27	27	27	22	18	13
20	20	79	72	61	56	49	34	22	38	61	52	45	38	31	22	15	52	47	40	34	29	27	20	13	54	45	36	31	29	27	20	13	59	40	36	31	29	27	20	13	65	34	29	27	24	22	15	9
27	15	84	72	52	45	40	31	18	34	65	54	40	31	29	24	13	50	49	38	34	27	24	20	11	52	47	36	31	24	22	20	11	54	45	34	29	24	22	20	11	63	36	27	22	18	15	15	6
OCT 4	50	49	43	38	36	24	20	11	61	38	36	31	29	15	13	6	70	29	24	22	20	13	11	4	77	22	20	20	18	13	11	4	79	20	18	18	15	13	11	4	81	18	15	15	11	11	9	4
11	56	43	36	29	27	24	24	13	70	29	27	27	24	22	20	11	72	27	24	24	22	20	15	9	79	20	20	20	18	18	15	9	79	20	18	18	15	15	13	9	81	18	18	15	15	13	11	9
18	56	43	36	36	24	20	13	9	63	36	31	29	22	18	13	9	68	31	27	24	20	15	11	6	75	24	22	20	15	15	11	6	77	22	20	18	15	15	11	6	79	20	18	15	13	13	9	4
25	45	54	43	34	24	18	9	4	65	34	29	20	13	9	6	4	70	29	24	15	11	6	6	4	81	18	15	11	6	2	2	2	81	18	15	11	6	2	2	2	81	18	15	11	6	2	2	2
NOV 1	77	22	18	13	9	9	9	9	86	13	9	4	2	2	2	2	86	13	9	4	2	2	2	2	93	6	4	2	2	2	2	2	93	6	4	2	2	2	2	2	93	6	4	2	2	2	2	2
8	84	15	11	11	6	6	2	2	95	4	4	4	2	2	2	2	95	4	4	4	2	2	2	2	95	4	4	4	2	2	2	2	95	4	4	4	2	2	2	2	95	4	4	4	2	2	2	2
15	88	11	6	4	4	4	2	2	90	9	4	4	4	2	2	2	93	6	2	2	2	2	2	2	93	6	2	2	2	2	2	2	93	6	2	2	2	2	2	2	93	6	2	2	2	2	2	2
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	97	2	2	2	2	2	2	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	97	2	2	2	2	0	0	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 19. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970. for Gatlinburg

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	93	6	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	95	4	4	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	84	15	11	9	6	4	2	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	88	11	11	6	4	4	0	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	79	20	11	6	6	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	79	20	13	13	4	4	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	77	22	18	11	6	6	4	4	95	4	4	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	75	24	18	11	9	4	2	0	93	6	6	6	4	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	68	31	20	18	11	9	6	4	93	6	6	4	4	2	2	2	95	4	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	61	38	31	29	18	15	9	6	84	15	9	6	4	4	2	0	95	4	2	2	2	2	0	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	77	22	20	11	4	4	4	4	90	9	4	2	2	2	2	2	95	4	0	0	0	0	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	56	43	34	27	18	9	6	6	84	15	13	9	9	4	4	4	95	4	4	4	4	4	4	4	97	2	2	2	2	2	2	2	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0
28	59	40	27	22	20	13	6	0	81	18	13	9	4	2	0	0	95	4	2	2	2	0	0	0	95	4	2	2	2	0	0	0	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0
JUL 5	70	29	27	22	15	13	9	6	84	15	15	9	6	6	4	2	95	4	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	65	34	29	20	15	13	4	2	81	18	15	11	11	9	4	2	93	6	6	6	6	6	4	2	95	4	4	2	2	2	2	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0
19	59	40	29	20	18	11	6	4	86	13	11	9	6	6	4	4	88	11	9	6	6	4	4	4	93	6	6	4	4	4	4	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0
26	70	29	20	18	11	11	2	2	86	13	11	11	11	6	2	2	86	13	11	11	9	4	2	2	90	9	9	9	6	4	2	2	90	9	9	9	2	2	2	2	95	4	2	0	0	0	0	0
AUG 2	72	27	18	13	9	2	2	0	88	11	6	6	4	2	2	0	88	11	6	6	4	2	2	0	93	6	2	2	2	2	2	0	93	6	2	2	2	2	2	0	95	4	2	2	2	2	2	0
9	63	36	31	24	18	4	4	4	90	9	6	4	2	2	2	2	95	4	4	4	2	2	2	2	95	4	4	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
16	59	40	24	22	20	20	13	13	84	15	11	6	4	4	4	4	95	4	4	2	2	2	2	2	95	4	4	2	2	2	2	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0
23	45	54	47	40	27	20	4	4	77	22	18	18	13	6	4	2	90	9	9	6	6	2	0	0	95	4	4	4	4	2	0	0	95	4	4	4	4	2	0	0	97	2	2	2	2	2	0	0
30	47	52	47	38	29	24	20	0	70	29	22	15	13	13	13	0	84	15	13	11	11	11	11	0	90	9	9	4	4	4	4	0	93	6	6	4	4	4	4	0	97	2	2	2	2	2	2	0
SEP 6	56	43	43	36	34	24	13	9	78	24	22	20	15	9	6	4	86	13	13	9	9	6	6	4	90	9	9	6	6	6	6	4	95	4	4	4	4	4	4	2	100	0	0	0	0	0	0	0
13	45	54	49	40	29	24	15	9	59	40	31	20	15	13	11	9	81	18	13	11	9	9	6	6	90	9	9	6	4	4	2	2	93	6	6	4	4	2	2	2	95	4	2	0	0	0	0	0
20	50	49	43	36	36	29	15	11	65	34	29	22	22	20	9	6	79	20	15	11	11	11	4	4	88	11	9	6	6	4	2	2	90	9	6	4	4	2	2	2	93	6	4	2	2	2	0	0
27	50	49	40	29	20	15	9	4	65	34	29	20	15	11	6	2	79	20	18	13	11	6	4	2	90	9	9	9	6	4	4	2	95	4	4	4	4	4	2	2	95	4	4	4	4	4	4	0
OCT 4	72	27	22	18	13	9	9	4	84	15	15	13	11	6	6	2	88	11	11	9	6	6	6	2	93	6	6	6	6	6	6	2	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0
11	72	27	24	22	20	13	9	4	84	15	13	9	9	6	2	2	90	9	9	9	9	6	2	2	95	4	4	4	4	4	2	2	95	4	4	4	2	0	0	0	97	2	2	2	2	2	0	0
18	70	29	24	20	18	13	9	9	79	20	18	13	13	11	9	9	84	15	13	9	9	6	6	6	93	6	6	4	4	2	2	2	93	6	6	4	2	2	2	2	95	4	2	2	0	0	0	0
25	75	24	24	20	15	13	9	9	79	20	20	15	13	11	9	9	84	15	15	11	9	9	6	6	84	15	15	11	4	2	2	0	93	6	6	2	0	0	0	0	95	4	4	2	0	0	0	0
NOV 1	86	13	9	9	6	2	0	0	88	11	9	9	4	2	0	0	93	6	4	4	2	2	0	0	93	6	4	4	2	2	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0
8	90	9	6	2	0	0	0	0	90	9	6	2	0	0	0	0	93	6	4	2	0	0	0	0	93	6	4	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0
15	95	4	4	2	2	2	0	0	95	4	4	2	2	2	0	0	95	4	4	2	2	2	0	0	95	4	4	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 20. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Greeneville

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	91	8	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	78	21	17	13	13	8	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	13	8	8	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	73	26	26	21	13	13	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	60	39	30	17	13	13	8	0	91	8	8	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	52	47	39	34	21	13	8	4	91	8	8	8	4	4	4	4	95	4	4	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	47	52	34	26	21	13	13	4	82	17	13	13	8	4	4	4	95	4	4	4	4	4	4	4	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	34	65	56	47	30	17	13	13	69	30	21	21	13	4	0	0	95	4	4	4	4	0	0	0	95	4	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	39	60	52	43	34	30	26	17	52	47	34	17	13	8	8	0	86	13	8	4	4	0	0	0	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	52	47	47	30	30	26	21	8	65	34	34	26	26	21	17	4	82	17	17	13	13	8	8	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	47	52	34	34	30	17	13	8	56	43	26	26	17	17	13	8	78	21	17	13	8	8	4	4	95	4	4	4	4	4	4	4	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0
28	43	56	47	43	26	17	8	0	69	30	30	30	17	13	8	0	73	26	26	26	13	13	8	0	86	13	8	8	8	8	4	0	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0
JUL 5	39	60	39	26	17	13	4	0	73	26	17	13	8	8	4	0	78	21	17	13	8	8	4	0	91	8	8	8	4	4	4	0	91	8	8	8	4	4	0	0	100	0	0	0	0	0	0	0
12	39	60	52	43	26	17	17	8	73	26	26	17	17	13	8	4	86	13	13	13	13	8	8	4	91	8	8	8	8	8	4	0	95	4	4	4	4	4	0	0	100	0	0	0	0	0	0	0
19	30	69	52	43	26	13	8	4	60	39	30	21	4	4	4	4	73	26	17	13	4	4	4	4	82	17	13	8	4	4	4	4	91	8	8	4	0	0	0	0	100	0	0	0	0	0	0	0
26	30	69	60	47	30	26	17	8	65	34	26	21	17	17	13	0	69	30	21	17	13	13	8	0	73	26	17	17	13	13	4	0	86	13	8	8	8	8	4	0	95	4	4	4	4	0	0	0
AUG 2	26	73	65	47	34	30	30	13	39	60	43	26	17	17	13	8	65	34	21	13	13	13	13	8	69	30	21	4	4	4	4	0	86	13	8	4	4	4	4	0	95	4	4	4	4	4	4	0
9	26	73	65	56	52	34	21	8	43	56	52	43	39	26	13	4	69	30	26	21	21	13	4	4	82	17	17	17	17	8	4	4	86	13	13	13	8	4	0	0	95	4	4	4	4	0	0	0
16	30	69	60	52	39	34	21	17	43	56	43	39	21	17	13	13	60	39	30	21	17	13	4	4	78	21	17	13	8	4	0	0	86	13	13	8	8	0	0	0	100	0	0	0	0	0	0	0
23	26	73	69	65	43	34	30	8	43	56	52	39	39	34	30	8	47	52	52	39	34	26	17	4	65	34	34	21	17	17	13	4	78	21	17	8	8	8	4	4	100	0	0	0	0	0	0	0
30	26	73	65	56	52	39	21	17	47	52	52	52	47	34	21	17	52	47	47	47	43	34	21	17	56	43	43	39	39	26	8	8	73	26	26	21	21	13	4	4	95	4	0	0	0	0	0	0
SEP 6	26	73	69	56	47	34	21	13	34	65	56	47	39	30	17	8	43	56	52	39	30	21	13	8	56	43	39	30	26	17	8	8	60	39	30	21	17	8	4	4	91	8	4	0	0	0	0	0
13	26	73	73	65	52	47	43	21	39	60	60	56	47	43	39	21	47	52	52	52	43	39	34	21	47	52	47	47	39	34	21	21	60	39	39	39	30	26	21	21	82	17	17	17	13	13	8	8
20	30	69	60	56	39	30	17	13	39	60	52	47	30	26	13	8	43	56	47	43	30	26	13	8	47	52	43	39	26	21	13	8	65	34	26	26	21	17	8	4	82	17	13	13	8	8	0	0
27	43	56	47	43	34	8	8	8	56	43	34	30	21	8	8	4	56	43	34	30	21	8	4	4	60	39	34	30	21	8	4	4	65	34	30	26	17	8	4	4	86	13	13	13	4	4	4	4
OCT 4	65	34	34	30	21	13	13	8	78	21	21	17	17	8	8	8	82	17	17	17	17	8	8	8	82	17	17	17	17	8	8	8	82	17	13	13	13	8	8	8	91	8	8	8	8	8	8	8
11	47	52	47	47	39	30	26	21	60	39	39	34	26	21	21	21	65	34	34	30	21	17	17	17	73	26	26	26	17	17	17	17	78	21	21	21	17	17	17	17	86	13	13	13	13	8	8	8
18	43	56	47	30	26	21	17	13	52	47	34	26	26	17	17	13	56	43	34	26	26	17	17	13	60	39	34	26	26	17	17	13	60	39	30	26	26	17	17	13	78	21	17	13	13	8	8	8
25	60	39	34	30	26	13	13	13	69	30	26	21	17	13	13	13	69	30	26	21	17	13	13	13	69	30	26	21	17	13	13	13	69	30	26	21	17	13	13	13	73	26	21	21	17	13	8	8
NOV 1	82	17	17	17	4	4	4	4	86	13	13	13	4	4	4	4	86	13	13	13	4	4	4	4	86	13	13	13	4	4	4	4	86	13	13	13	4	4	4	4	91	8	8	8	4	4	4	4
8	91	8	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
15	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 21. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Huntingdon

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	91	8	8	8	8	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	4	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	95	4	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	82	17	8	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	8	8	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	65	34	26	21	21	17	13	8	91	8	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	56	43	43	26	17	13	8	8	86	13	8	8	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	65	34	30	17	13	13	8	4	91	8	8	8	8	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	52	47	34	21	17	13	8	8	91	8	8	4	4	4	4	4	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	39	60	47	43	43	26	13	13	73	26	21	17	17	8	4	4	86	13	4	4	4	0	0	0	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	34	65	60	47	47	39	30	26	52	47	43	30	21	21	17	17	78	21	17	13	13	13	8	8	91	8	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	30	69	60	52	39	26	8	4	60	39	26	21	17	13	4	4	86	13	8	4	4	0	0	0	91	8	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	21	78	73	65	39	30	26	21	56	43	39	39	30	21	17	13	69	30	21	17	8	8	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0
28	21	78	69	52	47	30	26	17	34	65	56	52	47	26	21	13	43	56	43	34	30	13	13	4	78	21	17	13	4	4	4	0	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0
JUL 5	30	69	65	47	43	21	21	8	52	47	47	34	30	21	21	8	56	43	43	30	26	21	21	8	69	30	30	21	21	17	17	8	82	17	8	8	8	8	8	0	100	0	0	0	0	0	0	0
12	26	73	69	56	52	47	26	17	52	47	47	30	30	26	17	13	60	39	39	26	21	21	17	13	73	26	26	21	21	21	17	13	78	21	21	17	17	17	13	8	91	8	8	8	8	8	4	0
19	21	78	78	60	52	43	26	17	43	56	56	56	52	34	21	13	56	43	43	43	39	34	21	13	60	39	39	39	34	26	17	13	69	30	26	26	21	21	17	13	86	13	8	8	8	8	8	8
26	13	86	78	69	52	39	34	30	34	65	56	47	39	26	26	21	56	43	43	43	39	26	26	21	60	39	39	39	34	21	21	21	65	34	30	30	30	21	21	21	78	21	17	17	17	13	13	13
AUG 2	13	86	86	78	78	65	47	21	17	82	78	65	65	52	34	17	34	65	60	52	52	39	26	13	52	47	47	43	43	39	26	13	56	43	39	39	39	34	21	4	73	26	26	26	21	17	13	4
9	26	73	65	56	52	34	21	17	34	65	56	47	47	30	21	17	39	60	52	43	43	30	21	17	56	43	39	30	30	21	21	17	60	39	34	30	30	21	21	17	69	30	26	21	21	17	17	13
16	21	78	69	69	60	34	26	13	26	73	65	65	60	34	26	13	30	69	60	60	56	26	17	8	39	60	52	47	30	17	13	8	60	39	30	30	26	17	13	8	69	30	17	17	17	8	8	6
23	17	82	78	69	52	39	26	21	34	65	65	60	43	30	26	21	39	60	60	60	43	30	26	21	39	60	60	60	43	30	21	17	56	43	43	43	26	17	13	8	69	30	30	26	17	13	13	8
30	26	73	73	60	47	47	39	30	34	65	65	56	47	47	39	21	39	60	60	47	39	39	30	21	39	60	60	47	39	39	30	21	47	52	52	43	34	34	30	17	69	30	30	30	26	26	21	13
SEP 6	34	65	60	60	47	39	26	21	52	47	43	43	30	21	17	13	56	43	43	43	30	21	17	13	56	43	43	43	30	21	17	13	56	43	39	39	30	21	17	13	73	26	21	21	21	13	8	8
13	30	69	43	34	34	30	21	17	52	47	39	34	34	21	17	13	65	34	30	26	26	21	17	13	65	34	30	26	26	21	17	13	65	34	30	26	26	21	17	13	73	26	21	17	17	17	13	13
20	39	60	56	52	52	39	34	30	52	47	43	43	43	30	21	13	56	43	43	43	30	17	8	8	60	39	39	39	30	17	8	8	60	39	39	39	30	17	8	8	65	34	34	34	26	13	4	4
27	21	78	69	60	52	30	17	8	43	56	52	47	39	17	8	4	65	34	34	34	30	13	8	4	65	34	34	34	30	13	8	4	65	34	34	34	30	13	8	4	69	30	30	30	26	13	8	4
OCT 4	52	47	47	39	30	21	13	8	73	26	26	17	17	13	8	4	82	17	17	13	13	8	8	4	82	17	17	13	13	8	8	4	82	17	17	13	13	8	8	4	82	17	17	13	13	8	8	4
11	47	52	52	39	34	34	26	21	65	34	30	26	21	21	17	17	65	34	30	26	17	17	13	13	73	26	26	21	17	17	13	13	73	26	26	21	17	17	13	13	73	26	21	21	17	17	13	13
18	39	60	56	56	52	30	26	13	60	39	39	34	30	17	13	13	65	34	34	30	26	17	13	13	69	30	30	26	21	17	13	13	69	30	30	26	21	17	13	13	73	26	26	26	21	17	13	13
25	43	56	47	47	34	26	21	21	65	34	30	30	21	17	13	13	65	34	30	26	21	17	13	13	65	34	30	26	21	17	13	13	65	34	30	26	21	17	13	13	69	30	26	21	17	13	8	8
NOV 1	69	30	26	26	21	13	13	8	82	17	13	13	13	8	8	8	82	17	13	13	13	8	8	8	82	17	13	13	13	8	8	8	82	17	13	13	13	8	8	8	86	13	8	8	8	4	4	4
8	82	17	13	13	8	4	0	0	86	13	8	8	4	4	0	0	86	13	8	8	4	4	0	0	86	13	8	8	4	4	0	0	86	13	8	8	4	4	0	0	86	13	8	8	4	4	0	0
15	78	21	13	8	4	4	4	4	82	17	8	8	4	4	4	4	82	17	8	8	4	4	4	4	82	17	8	8	4	4	4	4	82	17	8	8	4	4	4	4	86	13	4	4	4	4	4	4
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 22. Probability of occurrence of drouth days based on 71 years of record, 1900 through 1970, for Jackson

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
8	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
15	95	4	4	4	4	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
22	94	5	5	5	2	2	2	2	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
29	93	6	6	2	2	2	2	2	97	2	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
APR 5	90	9	8	5	5	5	4	2	97	2	2	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
12	90	9	9	8	6	5	4	1	97	2	2	2	2	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
19	84	15	11	6	4	2	2	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
26	83	16	11	8	8	4	4	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
MAY 3	68	31	23	20	16	15	13	5	95	4	4	4	4	2	2	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
10	58	41	30	23	19	11	8	8	91	8	6	4	4	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
17	54	45	41	34	23	18	13	11	83	16	15	9	5	4	4	4	95	4	4	2	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
24	48	51	47	40	36	30	26	22	70	29	24	18	15	11	8	6	95	4	4	4	4	4	4	2	95	4	2	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
31	33	66	54	40	37	34	30	22	59	40	31	22	19	18	16	12	84	15	12	9	8	8	6	4	95	4	2	2	2	2	2	2	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
JUN 7	29	70	66	56	47	43	36	27	47	52	44	34	27	27	22	15	73	26	20	19	13	11	9	6	90	9	9	6	5	4	4	4	94	5	2	1	1	1	1	1	98	1	1	1	1	1	1	1
14	31	68	58	52	47	40	30	18	52	47	40	37	30	27	19	13	66	33	27	20	13	11	9	6	84	15	11	9	5	4	4	2	94	5	2	1	1	1	1	1	98	1	1	1	1	1	1	1
21	20	79	74	63	56	41	26	16	37	62	54	44	40	26	12	6	54	45	40	33	27	19	9	4	75	24	16	12	9	8	2	2	93	6	5	5	5	5	2	2	98	1	1	1	1	1	1	1
28	20	79	72	62	48	34	26	13	36	63	56	49	37	24	18	9	51	48	40	36	29	18	12	5	70	29	23	19	15	9	9	5	87	12	11	9	8	5	5	4	97	2	2	2	1	1	1	1
JUL 5	22	77	68	55	49	38	36	22	37	62	54	45	41	30	29	20	50	49	44	40	37	27	26	15	61	38	33	30	24	19	15	9	75	24	19	18	13	9	9	6	95	4	2	2	1	1	1	1
12	11	88	77	69	55	49	38	29	34	65	59	55	41	36	30	20	44	55	49	45	34	30	26	16	55	44	41	38	33	30	26	16	65	34	30	27	22	19	13	11	88	11	9	5	5	4	2	2
19	11	88	80	65	61	55	43	33	27	72	66	54	49	43	36	22	38	61	54	43	40	36	29	22	47	52	47	38	34	30	23	16	59	40	34	30	26	23	19	12	81	18	15	15	12	8	8	4
26	12	87	77	70	65	56	45	30	25	74	66	61	52	45	33	27	34	65	56	55	47	40	29	22	45	54	45	44	36	31	23	19	52	47	41	40	33	26	19	15	75	24	20	19	15	12	8	6
AUG 2	12	87	80	74	55	47	38	26	25	74	65	61	47	40	31	25	29	70	59	55	44	37	31	23	37	62	52	48	40	33	26	18	52	47	43	41	33	26	19	15	75	24	22	19	15	12	9	8
9	27	72	61	55	49	40	36	27	44	55	51	47	45	38	31	25	48	51	49	47	45	37	30	25	52	47	41	41	41	34	29	23	59	40	38	34	31	27	26	20	75	24	22	22	20	16	16	11
16	15	84	79	69	54	47	37	26	33	66	63	56	44	36	29	23	43	56	55	51	41	36	29	23	43	56	55	51	41	36	29	23	45	54	51	45	36	31	24	20	61	38	33	30	26	22	18	15
23	13	86	77	69	59	54	45	33	29	70	65	62	51	45	38	26	36	63	61	58	45	41	33	22	40	59	56	51	41	36	30	20	45	54	49	47	37	33	27	20	58	41	40	36	29	29	20	18
30	15	84	74	69	59	49	40	30	26	73	66	58	51	38	34	25	31	68	63	55	47	33	30	22	34	65	61	49	43	33	30	22	38	61	55	45	40	27	24	16	55	44	40	36	30	22	19	13
SEP 6	23	76	72	59	51	44	36	30	36	63	59	54	45	36	29	26	41	58	55	49	43	34	27	25	43	56	54	48	41	33	26	23	45	54	51	43	37	30	23	19	59	40	37	33	29	24	19	16
13	22	77	70	62	54	45	43	29	43	56	55	52	43	38	37	25	48	51	49	48	41	37	34	23	51	48	47	45	37	33	33	23	54	45	44	43	37	33	33	23	63	36	36	34	29	26	26	19
20	23	76	72	62	56	48	40	31	43	56	54	44	38	37	30	25	52	47	43	36	33	31	24	22	55	44	41	34	31	30	23	20	59	40	37	33	30	29	23	20	69	30	27	24	23	22	19	18
27	20	79	70	65	52	40	26	20	40	59	52	45	38	30	20	13	50	49	44	40	33	24	15	11	54	45	40	37	31	24	15	11	56	43	38	36	31	24	15	9	59	40	36	34	27	22	12	8
OCT 4	38	61	55	45	40	33	30	26	52	47	41	33	30	24	20	19	61	38	33	29	26	20	18	13	63	36	31	27	26	20	18	13	63	36	31	27	26	20	18	13	68	31	29	26	24	19	16	12
11	55	44	44	38	34	31	27	23	62	37	37	34	31	27	24	22	66	33	31	29	26	24	22	19	69	30	30	27	26	24	22	19	69	30	30	27	26	24	22	19	73	26	26	23	23	22	20	19
18	51	48	44	36	29	23	18	13	68	31	30	26	24	20	18	13	70	29	29	24	22	16	13	9	72	27	26	22	20	16	13	9	72	27	26	22	20	16	13	9	72	27	26	22	20	16	11	6
25	47	52	47	36	29	20	18	13	63	36	29	20	15	11	9	8	72	27	20	15	12	9	8	8	73	26	19	13	11	9	8	8	73	26	19	13	11	9	8	8	73	26	19	13	11	9	8	8
NOV 1	69	30	27	23	22	16	13	12	84	15	12	9	9	6	6	5	86	13	12	9	8	5	4	4	87	12	11	9	8	5	4	4	87	12	11	9	8	5	4	4	87	12	11	9	8	5	4	4
8	88	11	6	4	2	2	1	1	91	8	5	4	2	2	1	1	91	8	5	4	2	2	1	1	91	8	5	4	2	2	1	1	91	8	5	4	2	2	1	1	91	8	5	4	2	2	1	1
15	88	11	6	5	2	2	2	2	93	6	4	2	1	1	1	1	93	6	4	2	1	1	1	1	93	6	4	2	1	1	1	1	93	6	4	2	1	1	1	1	93	6	4	2	1	1	1	1
22	94	5	5	2	2	2	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
29	97	2	2	1	1	1	1	1	97	2	1	1	1	1	1	1	97	2	2	1	1	1	1	1	97	2	2	1	1	1	1	1	97	2	2	1	1	1	1	1	97	2	2	1	1	1	1	1
DEC 6	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
13	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
20	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
27	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
JAN 3	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
10	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
17	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
24	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
31	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
FEB 7	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
14	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1	98	1	1	1	1	1	1	1
21	98	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0

Table 23. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Jefferson City

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	91	8	8	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	82	17	17	17	13	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	82	17	8	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	69	30	26	17	13	8	8	8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	52	47	34	34	17	17	4	4	91	8	8	8	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	60	39	34	26	21	21	17	8	91	8	8	8	4	4	4	4	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	52	47	26	17	0	0	0	0	86	13	0	0	0	0	0	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	56	43	34	21	17	8	4	0	91	8	4	0	0	0	0	0	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	34	65	56	52	43	34	26	17	69	30	30	21	17	17	4	4	95	4	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	39	60	43	43	34	34	26	17	56	43	30	26	21	17	17	4	86	13	13	13	13	4	4	0	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	39	60	52	39	34	21	17	13	56	43	39	17	17	8	8	8	86	13	8	8	8	8	8	4	91	8	4	4	4	4	4	0	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0
28	26	73	65	56	43	34	21	13	56	43	43	34	30	21	17	8	82	17	17	17	13	8	8	4	91	8	8	8	8	8	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
JUL 5	21	78	65	52	39	30	17	13	47	52	43	39	26	13	8	4	65	34	26	26	17	8	4	0	82	17	8	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	39	60	52	43	34	21	8	4	52	47	43	34	26	17	4	0	60	39	39	34	26	17	4	0	78	21	21	17	13	8	4	0	86	13	13	13	4	4	4	0	100	0	0	0	0	0	0	0
19	34	65	60	43	26	17	8	0	56	43	43	30	17	13	8	0	65	34	34	26	13	8	8	0	73	26	21	17	8	0	0	0	86	13	13	13	4	0	0	0	95	4	4	0	0	0	0	0
26	34	65	47	43	30	26	21	17	60	39	30	26	26	21	17	13	69	30	26	26	26	21	17	13	69	30	26	26	26	21	17	4	82	17	13	13	13	13	8	4	91	8	0	0	0	0	0	0
AUG 2	26	73	65	60	39	34	30	13	52	47	43	43	34	26	21	13	65	34	30	30	21	21	17	13	65	34	26	26	17	17	13	8	73	26	21	21	17	17	13	4	91	8	8	8	4	4	0	0
9	17	82	73	73	65	56	39	34	39	60	52	52	47	34	30	26	52	47	39	39	39	30	26	17	69	30	26	26	26	17	17	13	73	26	21	21	17	13	13	8	91	8	8	8	8	4	4	0
16	13	86	82	60	47	34	26	26	26	73	65	43	34	26	21	21	34	65	56	39	34	21	8	8	65	34	30	17	17	13	8	8	69	30	30	17	13	8	8	8	82	17	13	4	4	4	4	4
23	17	82	82	52	47	43	34	17	34	65	65	47	43	39	34	17	39	60	60	43	39	34	30	17	52	47	43	34	26	26	17	13	69	30	30	17	17	17	13	13	86	13	13	13	13	13	13	13
30	17	82	73	65	60	60	52	30	30	69	60	56	47	47	43	30	39	60	56	52	43	43	43	26	43	56	52	47	39	39	39	21	69	30	30	30	21	21	17	4	82	17	17	17	13	13	13	4
SEP 6	17	82	78	69	65	56	52	30	17	82	73	60	52	47	43	30	30	69	60	47	39	34	34	26	43	56	47	43	39	34	34	26	56	43	34	34	34	34	30	26	82	17	17	17	17	17	17	13
13	13	86	86	69	65	60	52	34	17	82	78	65	60	52	43	34	21	78	78	65	60	43	34	30	30	69	60	47	43	34	30	30	43	56	52	43	39	34	30	26	69	30	30	26	26	17	13	8
20	39	60	56	56	43	26	21	21	47	52	52	52	39	26	21	21	52	47	47	47	39	26	21	21	56	43	43	43	39	26	21	21	65	34	34	34	30	21	17	17	65	34	30	30	30	17	13	13
27	30	69	60	52	43	34	21	8	52	47	43	34	30	21	21	8	52	47	43	34	30	21	21	8	60	39	39	30	26	21	21	8	65	34	34	26	21	17	17	8	69	30	30	26	21	17	17	8
OCT 4	56	43	39	39	39	26	21	17	65	34	34	34	30	17	17	13	73	26	26	26	21	8	8	8	73	26	26	26	21	8	8	8	78	21	21	21	17	8	8	8	86	13	13	13	13	13	8	8
11	56	43	39	39	39	39	30	26	65	34	34	34	34	34	30	26	65	34	34	34	34	34	30	21	65	34	34	34	34	34	30	21	73	26	26	26	26	26	21	17	86	13	13	13	13	13	13	13
18	47	52	47	34	30	26	26	26	56	43	43	30	26	26	26	21	60	39	39	30	26	26	26	21	60	39	39	30	26	26	26	21	65	34	34	26	21	21	21	17	78	21	21	21	21	21	21	17
25	60	39	39	34	26	21	17	13	65	34	34	30	21	21	17	13	65	34	34	26	21	21	17	13	65	34	30	26	21	21	17	13	65	34	30	21	17	17	17	13	78	21	21	17	13	13	13	13
NOV 1	82	17	17	17	17	8	4	4	82	17	17	17	8	4	4	4	82	17	17	17	17	8	4	4	82	17	17	17	17	8	4	4	82	17	17	17	17	8	4	4	86	13	13	13	13	8	4	4
8	82	17	17	8	8	8	8	8	86	13	13	8	8	8	8	8	86	13	13	8	8	8	8	8	86	13	13	8	8	8	8	8	86	13	13	8	8	8	8	8	86	13	13	8	8	8	8	8
15	86	13	13	13	13	13	13	8	91	8	8	8	8	8	8	4	91	8	8	8	8	8	8	4	91	8	8	8	8	8	8	4	91	8	8	8	8	8	8	4	91	8	8	8	8	8	8	4
22	91	8	8	8	8	8	8	8	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
29	91	8	8	8	8	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
DEC 6	91	8	8	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
13	91	8	8	8	8	8	8	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
20	91	8	8	8	8	8	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
27	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
JAN 3	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
10	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
17	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
24	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
31	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 24. Probability of occurrence of drouth days based on 40 years of record, 1931 through 1970, for Kingsport

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C. DROUTH DAYS PER WEEK								2 INCH A.W.H.C. DROUTH DAYS PER WEEK								3 INCH A.W.H.C. DROUTH DAYS PER WEEK								4 INCH A.W.H.C. DROUTH DAYS PER WEEK								5 INCH A.W.H.C. DROUTH DAYS PER WEEK								7 INCH A.W.H.C. DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	92	7	7	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	80	19	19	19	12	7	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	87	12	9	9	9	7	7	2	95	4	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	60	39	24	17	12	4	4	4	95	4	4	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	53	46	39	26	19	14	9	0	90	9	9	9	7	7	7	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	51	48	36	29	21	17	7	4	90	9	9	7	4	2	0	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	41	58	51	36	17	9	9	4	78	21	12	7	7	4	2	0	95	4	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	39	60	51	48	41	29	17	4	68	31	26	24	21	19	4	0	90	9	7	7	4	4	0	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	34	65	60	53	41	29	21	12	58	41	36	31	21	12	12	7	80	19	12	7	4	4	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0
14	31	68	48	34	24	21	19	12	48	51	36	29	21	19	14	7	73	26	17	14	9	9	4	4	90	9	9	7	4	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2
21	36	63	56	43	34	21	14	9	51	48	43	29	24	17	12	9	63	36	34	24	14	12	9	7	87	12	12	9	9	9	7	7	92	7	7	4	4	4	4	2	97	2	2	2	2	2	2	2
28	24	75	63	46	31	26	19	9	51	48	36	26	24	21	14	9	60	39	29	21	19	14	9	7	78	21	17	14	12	9	4	2	90	9	7	7	7	4	2	2	95	4	4	4	4	0	0	0
JUL 5	34	65	51	46	26	26	21	12	51	48	36	36	24	17	14	12	65	34	26	24	17	14	12	9	75	24	17	17	7	7	4	2	85	14	9	7	7	4	4	0	97	2	2	2	2	2	2	0
12	36	63	48	43	36	31	19	7	51	48	41	31	24	21	14	7	68	31	29	24	21	19	12	4	78	21	19	14	14	14	9	2	85	14	14	9	7	7	4	0	97	2	2	2	2	2	2	0
19	43	56	43	31	21	17	9	2	65	34	26	24	17	14	7	2	73	26	19	19	17	12	7	2	80	19	12	12	12	9	2	0	87	12	7	7	7	4	2	0	97	2	2	2	2	0	0	0
26	43	56	43	34	21	12	7	4	70	29	21	17	12	9	4	2	75	24	19	17	12	9	4	2	80	19	17	12	7	4	2	2	90	9	9	9	4	2	2	2	92	7	7	4	2	2	0	0
AUG 2	34	65	63	53	41	34	19	9	56	43	39	34	21	12	7	2	73	26	21	17	14	9	4	2	78	21	19	17	14	9	4	2	82	17	14	14	12	4	2	0	90	9	7	7	4	2	0	0
9	21	78	65	53	41	34	19	7	51	48	46	34	34	26	17	7	60	39	34	21	21	17	9	2	73	26	26	21	19	14	7	0	80	19	17	14	14	12	4	0	90	9	9	7	7	7	2	0
16	36	63	58	46	39	24	17	7	51	48	41	36	31	19	12	7	60	39	31	29	24	14	9	4	75	24	19	19	14	9	4	2	80	19	17	12	9	7	2	2	92	7	7	7	4	4	0	0
23	34	65	56	51	48	29	21	21	56	43	36	36	34	21	14	14	60	39	31	29	29	19	12	12	63	36	26	24	24	17	9	9	73	26	17	14	12	7	7	7	87	12	9	9	9	2	2	0
30	24	75	70	65	58	48	29	17	48	51	46	46	41	29	17	4	60	39	36	36	31	24	14	4	63	36	34	34	31	24	14	4	70	29	26	26	21	17	9	4	90	9	7	7	7	4	2	0
SEP 6	24	75	65	56	53	34	31	24	41	58	51	43	41	26	21	17	56	43	39	34	31	24	19	14	63	36	31	26	26	21	17	14	63	36	29	24	24	19	14	12	85	14	12	9	7	4	4	4
13	17	82	68	65	56	53	48	31	36	63	56	48	39	36	31	21	51	48	43	39	34	34	29	19	58	41	34	34	31	31	26	19	60	39	34	31	29	29	26	19	82	17	17	17	17	14	12	9
20	29	70	70	58	60	53	34	21	34	65	63	56	48	41	21	14	46	53	51	41	34	29	14	12	58	41	41	39	29	24	14	12	60	39	36	34	24	19	9	7	75	24	21	17	14	12	7	7
27	21	78	75	58	41	29	26	21	36	63	60	46	34	29	21	17	46	53	53	41	29	24	17	14	58	41	41	31	24	19	14	9	60	39	36	29	21	17	12	9	75	24	24	17	14	9	7	4
OCT 4	43	56	48	43	43	29	24	14	51	48	41	34	34	24	19	12	56	43	39	29	29	21	14	7	68	31	26	17	17	9	7	4	75	24	19	12	12	9	7	4	82	17	12	9	9	9	7	4
11	46	53	51	46	41	34	29	21	53	46	43	41	39	31	26	21	56	43	41	39	39	31	26	21	68	31	26	24	21	21	19	12	75	24	21	19	17	17	14	9	82	17	17	14	12	12	9	7
18	48	51	46	36	24	21	17	7	58	41	39	34	21	21	17	7	60	39	36	31	21	21	17	7	65	34	31	26	19	19	17	7	78	21	21	19	14	14	14	7	85	14	14	12	12	12	12	4
25	48	51	39	36	26	26	19	12	58	41	34	29	19	19	14	12	63	36	29	26	17	17	12	12	65	34	29	26	14	14	9	9	78	21	19	17	9	7	7	7	82	17	12	9	2	2	2	2
NOV 1	73	26	21	17	12	7	2	0	80	19	14	9	4	2	0	0	82	17	12	7	4	2	0	0	82	17	12	7	4	2	0	0	87	12	9	4	2	2	0	0	90	9	7	2	2	2	0	0
8	90	9	7	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
15	92	7	7	7	7	7	4	0	92	7	7	7	7	4	0	0	92	7	7	7	7	7	4	0	92	7	7	7	7	7	4	0	92	7	7	7	7	7	4	0	92	7	7	7	7	7	4	0
22	97	2	2	2	2	2	0	0	97	2	2	2	2	2	0	0	97	2	2	2	2	2	0	0	97	2	2	2	2	2	0	0	97	2	2	2	2	2	0	0	97	2	2	2	2	2	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 25. Probability of occurrence of drouth days based on 61 years of record, 1910 through 1970, for Knoxville AP

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	98	1	1	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	98	1	1	1	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	98	1	1	1	1	1	1	1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	96	3	3	1	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	91	8	8	8	3	3	1	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	80	19	17	16	12	8	6	4	98	1	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	82	17	16	9	9	8	8	4	96	3	1	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	62	37	27	20	19	14	6	0	93	6	6	3	3	1	1	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	48	51	40	30	24	20	14	8	90	9	9	8	4	4	1	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	51	48	38	30	27	24	17	9	79	20	20	12	11	8	4	3	95	4	4	1	1	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	59	40	38	35	22	17	14	9	77	22	19	19	16	14	12	4	93	6	6	6	4	3	1	1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	41	58	46	37	32	27	14	6	72	27	22	17	14	11	6	3	85	14	12	9	8	4	1	0	95	4	4	1	1	1	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	30	69	59	51	38	22	16	12	64	35	30	24	17	9	8	6	83	16	12	8	6	4	3	3	91	8	6	3	3	1	1	1	98	1	1	1	1	1	0	0	100	0	0	0	0	0	0	0
14	40	59	45	43	29	22	14	11	53	46	29	25	16	8	6	4	80	19	11	9	6	3	3	1	91	8	8	8	4	3	3	1	95	4	3	3	3	3	3	1	98	1	1	1	1	0	0	0
21	29	70	58	51	35	19	16	11	64	35	32	29	20	16	12	9	74	25	20	17	16	12	8	6	88	11	8	8	8	4	3	3	93	6	4	4	4	3	3	3	98	1	1	1	1	1	1	1
28	20	79	69	59	43	37	22	6	46	53	41	32	25	24	16	6	64	35	32	25	20	17	14	4	80	19	17	12	11	6	4	4	93	6	4	4	4	3	3	3	96	3	3	3	3	1	1	1
JUL 5	22	77	62	49	37	30	16	11	48	51	41	33	27	17	11	6	69	30	25	19	16	12	9	6	75	24	19	12	11	8	4	3	91	8	6	6	4	4	3	1	96	3	3	3	3	1	1	1
12	30	69	54	49	41	32	14	6	51	48	33	30	22	17	9	4	70	29	22	20	14	11	1	1	80	19	14	12	11	8	1	1	88	11	11	9	6	3	1	1	96	3	3	3	3	1	1	1
19	25	74	59	49	38	27	16	11	50	49	37	30	24	16	11	8	67	32	25	22	14	12	9	6	79	20	17	12	9	8	8	6	83	16	14	11	6	6	6	4	95	4	4	3	0	0	0	0
26	17	82	69	64	51	35	22	14	43	56	51	48	43	27	14	9	54	45	37	32	29	14	8	6	74	25	20	19	17	11	6	4	83	16	12	12	11	6	4	4	95	4	4	4	4	3	3	3
AUG 2	17	82	72	64	53	35	24	9	37	62	58	51	40	25	22	6	48	51	49	41	32	19	17	6	67	32	29	24	17	9	9	4	79	20	17	16	8	3	1	0	91	8	6	6	4	1	0	0
9	24	75	69	58	51	35	27	14	38	61	58	46	43	32	24	11	46	53	48	40	38	30	20	11	59	40	35	32	30	25	19	9	74	25	24	20	19	14	11	4	91	8	8	6	6	4	3	1
16	27	72	66	58	46	37	25	16	43	56	51	46	38	32	22	14	53	46	41	38	30	27	20	12	58	41	38	35	30	25	17	12	67	32	29	24	19	17	14	11	85	14	11	8	4	4	4	4
23	14	85	72	62	59	46	40	25	33	66	56	48	43	37	33	25	43	56	51	43	40	32	29	22	53	46	40	35	33	27	22	19	59	40	35	32	29	24	22	19	79	20	19	19	16	12	11	9
30	12	87	79	70	59	53	38	30	30	69	58	51	45	41	30	24	41	58	51	45	41	38	30	24	48	51	46	43	38	33	27	19	56	43	37	35	32	29	20	12	70	29	24	20	17	12	9	6
SEP 6	19	80	70	59	51	48	40	30	27	72	64	51	45	43	37	29	40	59	54	41	35	32	25	17	43	56	51	37	33	30	25	16	51	48	38	29	25	24	20	14	69	30	27	20	12	11	9	6
13	24	75	69	64	62	51	40	29	32	67	62	59	58	45	35	25	41	58	54	49	48	38	29	24	48	51	51	46	45	37	27	22	51	48	45	40	38	29	19	16	69	30	30	27	24	16	12	9
20	24	75	67	64	53	37	29	22	29	70	62	49	38	29	24	20	37	62	53	41	33	24	19	17	46	53	45	38	29	20	17	16	48	51	43	37	27	20	17	14	66	33	27	24	17	12	9	9
27	32	67	61	51	43	35	27	22	35	64	58	49	43	35	25	20	38	61	54	46	40	32	24	19	48	51	46	38	32	29	20	17	50	49	45	38	32	27	19	16	62	37	32	27	22	19	12	11
OCT 4	38	61	56	48	35	27	24	17	50	49	45	40	30	25	22	16	51	48	43	38	29	24	20	12	54	45	40	33	25	22	19	12	58	41	37	32	24	20	17	11	69	30	27	24	17	14	12	6
11	40	59	53	49	46	38	27	25	54	45	40	38	37	29	19	17	56	43	38	38	37	29	19	17	61	38	33	33	30	24	17	16	67	32	27	27	27	20	16	14	75	24	20	20	20	16	11	11
18	48	51	46	40	27	24	19	14	59	40	37	32	22	22	17	12	61	38	37	32	22	22	17	12	62	37	33	27	19	19	16	11	69	30	30	25	19	19	16	11	75	24	20	19	16	16	14	9
25	53	46	38	32	27	19	17	11	66	33	29	25	22	16	16	11	67	32	29	25	22	16	16	11	67	32	29	25	22	16	16	11	70	29	27	24	20	14	14	9	74	25	24	20	17	14	14	8
NOV 1	69	30	24	14	11	9	9	6	77	22	17	8	4	4	4	3	77	22	17	8	4	4	4	3	77	22	17	8	4	4	4	3	79	20	16	8	4	4	4	3	80	19	14	8	4	4	4	3
8	88	11	6	4	3	1	1	1	93	6	4	3	3	1	1	1	93	6	4	3	3	1	1	1	93	6	4	3	3	1	1	1	93	6	4	3	3	1	1	1	93	6	4	3	3	1	1	1
15	93	6	4	3	3	3	1	0	93	6	3	1	1	1	0	0	95	4	1	1	1	1	0	0	95	4	1	1	1	1	0	0	96	3	1	1	1	1	0	0	96	3	1	1	1	1	0	0
22	96	3	1	1	1	0	0	0	96	3	1	1	1	0	0	0	96	3	1	1	1	0	0	0	96	3	1	1	1	0	0	0	98	1	1	1	1	0	0	0	98	1	1	1	1	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 26. Probability of occurrence of drouth days based on 19 years of record, 1952 through 1970, for Knoxville

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	89	9	9	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	75	24	14	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	69	29	24	24	14	4	0	0	94	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	75	24	14	9	4	4	4	4	94	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	59	39	39	39	29	29	9	4	89	9	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	44	54	49	44	24	19	14	9	84	14	14	14	9	9	4	4	94	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	50	49	44	39	39	24	19	9	64	34	29	24	24	14	9	9	89	9	9	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	29	69	54	39	24	14	4	4	64	34	19	14	9	4	4	4	89	9	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	34	64	49	24	14	9	4	0	64	34	14	0	0	0	0	0	84	14	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	39	59	59	49	44	39	19	9	50	49	44	24	19	14	9	4	84	14	9	9	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	34	64	54	44	34	29	19	14	50	49	39	34	29	24	19	14	59	39	29	19	9	4	0	0	94	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	29	69	59	49	29	24	14	9	54	44	39	29	19	14	9	9	59	39	34	29	19	14	9	9	84	14	9	9	9	4	0	0	94	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0
28	14	84	64	59	54	44	24	19	50	49	49	34	34	24	19	14	59	39	39	34	29	24	14	4	75	24	24	19	19	14	9	4	79	19	4	4	4	4	0	0	100	0	0	0	0	0	0	0
JUL 5	25	74	69	54	29	29	14	14	39	59	54	34	19	19	9	4	54	44	39	24	9	9	4	0	69	29	29	9	0	0	0	0	84	14	14	4	0	0	0	0	100	0	0	0	0	0	0	0
12	25	74	54	44	44	19	14	9	44	54	44	29	29	14	14	9	64	34	24	19	19	14	14	9	69	29	24	14	14	9	9	4	79	19	14	9	9	4	4	4	94	4	4	4	4	0	0	0
19	39	59	54	44	29	14	14	9	50	49	44	34	19	9	9	4	64	34	29	29	14	9	9	4	69	29	24	24	14	4	4	4	84	14	9	9	9	4	4	4	94	4	4	4	4	0	0	0
26	29	69	64	59	49	29	19	9	50	49	49	39	24	14	9	4	50	49	44	34	24	9	4	0	54	44	34	24	14	4	0	0	69	29	29	14	9	0	0	0	89	9	9	4	0	0	0	0
AUG 2	25	74	64	64	49	34	34	19	50	49	49	49	39	24	24	19	54	44	44	44	29	24	19	14	59	39	39	29	24	19	19	14	69	29	29	19	14	14	9	9	79	19	19	9	4	4	4	4
9	25	74	69	59	49	39	34	25	29	69	59	44	29	29	29	14	39	59	49	34	19	19	19	14	44	54	44	29	19	19	19	14	50	49	39	29	19	14	14	9	79	19	19	9	4	4	4	4
16	14	84	74	69	59	59	29	29	19	79	64	59	54	54	29	25	29	69	54	49	44	44	29	25	39	59	49	44	39	39	29	25	50	49	49	44	39	39	29	19	75	24	19	14	14	14	9	9
23	19	79	59	54	39	39	29	25	34	64	59	54	39	39	29	25	34	64	59	54	39	39	29	25	34	64	59	49	29	29	19	14	54	44	39	34	29	29	19	14	59	39	34	24	24	19	9	9
30	4	94	84	79	59	54	54	39	29	69	64	64	44	39	39	29	34	64	59	59	44	39	39	29	34	64	59	59	44	39	39	29	34	64	59	54	39	29	29	14	54	44	39	34	19	19	19	14
SEP 6	14	84	79	69	54	49	44	34	29	69	69	64	54	49	44	29	39	59	59	54	44	39	34	25	44	54	54	49	39	34	29	25	44	54	54	44	34	29	24	19	59	39	39	39	34	29	24	19
13	19	79	74	69	69	59	44	29	19	79	69	59	59	54	39	19	29	69	64	54	49	44	34	19	34	64	59	49	49	44	34	14	44	54	49	44	44	39	29	14	54	44	39	34	34	29	24	14
20	25	74	54	44	39	24	14	14	44	54	44	39	34	19	14	14	50	49	39	29	29	19	14	14	54	44	34	29	29	19	14	14	54	44	34	29	29	19	9	9	69	29	19	19	19	9	4	4
27	25	74	69	49	24	24	24	14	50	49	49	39	19	19	19	14	54	44	44	34	19	19	19	14	59	39	39	29	19	19	19	14	59	39	39	29	19	19	19	14	75	24	24	19	9	9	9	9
OCT 4	50	49	44	39	29	19	14	4	64	34	29	24	19	19	14	4	64	34	24	19	14	14	14	4	69	29	19	14	9	9	9	4	75	24	19	14	9	9	9	4	79	19	19	14	9	9	9	4
11	50	49	44	39	39	29	25	25	64	34	29	24	24	19	19	14	64	34	29	24	24	19	19	14	69	29	29	24	24	19	19	14	69	29	29	24	24	19	19	14	69	29	29	24	19	19	19	14
18	39	59	49	44	39	29	29	29	59	39	34	29	29	29	25	25	69	29	25	25	25	25	25	25	75	24	19	19	19	19	19	19	75	24	19	19	19	19	19	19	75	24	19	19	19	19	19	19
25	44	54	54	49	34	29	19	14	64	34	34	34	24	19	14	9	64	34	34	34	24	14	9	9	64	34	34	34	24	14	9	9	64	34	34	34	24	14	9	9	64	34	34	34	24	14	9	9
NOV 1	69	29	24	19	19	14	14	14	79	19	14	14	14	9	9	9	79	19	14	14	14	9	9	9	79	19	14	14	14	9	9	9	79	19	14	14	14	9	9	9	79	19	14	14	14	9	9	9
8	84	14	14	9	9	4	4	4	89	9	9	4	4	4	4	4	89	9	9	4	4	4	4	4	89	9	9	4	4	4	4	4	89	9	9	4	4	4	4	4	89	9	9	4	4	4	4	4
15	89	9	9	9	9	9	9	0	89	9	4	4	4	4	4	0	89	9	4	4	4	4	4	0	89	9	4	4	4	4	4	0	89	9	4	4	4	4	4	0	89	9	4	4	4	4	4	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 27. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Lewisburg

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C. DROUTH DAYS PER WEEK								2 INCH A.W.H.C. DROUTH DAYS PER WEEK								3 INCH A.W.H.C. DROUTH DAYS PER WEEK								4 INCH A.W.H.C. DROUTH DAYS PER WEEK								5 INCH A.W.H.C. DROUTH DAYS PER WEEK								7 INCH A.W.H.C. DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	93	6	6	6	4	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	84	15	13	6	4	4	2	2	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	13	9	6	6	6	6	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	65	34	29	22	18	9	4	4	95	4	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	56	43	40	27	22	15	11	6	90	9	6	6	6	4	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	40	59	54	36	27	20	18	11	84	15	15	11	9	6	6	6	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	52	47	38	34	24	20	18	13	77	22	20	13	11	9	9	6	90	9	6	4	4	4	2	0	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	45	54	45	36	31	31	29	15	68	31	31	29	20	15	13	6	90	9	9	9	6	6	4	2	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	31	68	63	56	47	43	31	18	56	43	36	34	29	22	18	11	72	27	22	18	13	11	4	0	90	9	9	6	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	38	61	52	40	34	29	22	15	52	47	43	34	24	20	15	11	72	27	27	24	20	15	11	9	86	13	13	6	6	2	2	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	34	65	49	47	34	29	20	15	54	45	34	31	27	22	18	13	65	34	27	27	20	13	9	9	79	20	13	13	9	6	4	4	93	6	4	0	0	0	0	0	100	0	0	0	0	0	0	0
28	31	68	59	49	38	34	27	13	47	52	34	29	24	22	18	9	70	29	24	22	20	18	18	9	75	24	22	20	13	11	11	4	93	6	6	6	4	4	4	4	100	0	0	0	0	0	0	0
JUL 5	34	65	59	47	31	18	13	9	59	40	38	31	27	18	13	9	63	36	31	22	18	9	6	4	72	27	24	18	15	6	4	2	84	15	11	6	2	0	0	0	100	0	0	0	0	0	0	0
12	29	70	61	54	47	38	31	18	54	45	38	34	27	20	15	9	63	36	27	22	15	13	9	6	79	20	15	13	11	9	4	4	84	15	13	11	9	2	0	0	100	0	0	0	0	0	0	0
19	22	77	65	54	54	38	24	15	45	54	47	40	36	27	18	9	59	40	36	29	29	20	15	6	75	24	24	22	22	11	11	2	84	15	11	11	9	4	4	4	100	0	0	0	0	0	0	0
26	27	72	63	56	49	38	24	18	50	49	43	40	36	22	18	13	63	36	31	29	27	20	18	13	68	31	27	24	22	20	15	11	81	18	18	13	11	6	6	2	95	4	4	4	2	0	0	0
AUG 2	18	81	74	65	61	49	29	20	40	59	56	45	38	29	24	15	50	49	45	38	31	22	20	13	68	31	29	24	22	20	15	11	75	24	20	15	13	11	9	9	90	9	6	6	6	6	4	2
9	25	74	68	59	52	43	31	20	38	61	56	45	34	27	24	13	56	43	38	36	31	22	22	13	68	31	29	24	22	20	18	13	72	27	24	20	15	13	13	9	86	13	11	6	2	2	2	2
16	20	79	72	59	45	43	38	22	38	61	54	47	40	36	29	20	45	54	49	36	29	22	20	13	63	36	34	27	24	13	13	6	68	31	29	27	24	9	9	4	81	18	15	11	9	2	2	0
23	11	88	77	72	68	59	40	25	20	79	70	61	56	49	31	15	29	70	59	54	49	40	24	13	59	40	36	27	20	18	13	11	68	31	27	20	13	11	11	9	81	18	15	13	9	6	6	4
30	22	77	70	65	61	49	38	27	27	72	68	61	54	45	34	25	31	68	61	56	49	43	31	22	40	55	49	47	43	31	20	9	50	49	43	40	36	27	13	6	75	24	24	24	22	18	9	4
SEP 6	22	77	70	59	52	49	31	20	38	61	59	54	52	47	31	20	43	56	54	52	49	45	29	18	36	63	59	52	45	38	29	18	43	56	49	40	36	31	24	18	70	29	27	22	18	18	13	9
13	29	70	70	63	52	47	40	29	40	59	56	49	38	36	34	27	45	54	52	49	38	36	29	25	45	54	52	49	45	40	27	15	52	47	45	40	38	34	20	11	68	31	29	24	22	22	11	6
20	29	70	61	49	45	38	29	20	45	54	47	43	40	34	22	13	54	45	40	36	36	31	20	13	50	49	47	45	36	34	29	25	50	49	47	45	34	31	27	22	70	29	27	27	22	20	20	18
27	20	79	68	54	49	38	29	20	40	59	47	38	34	27	22	15	47	52	43	34	29	22	20	13	56	43	38	34	34	31	18	11	59	40	36	31	31	29	18	11	70	29	22	18	18	13	11	4
OCT 4	43	56	45	40	31	22	20	18	56	43	38	34	27	18	15	13	59	40	36	31	24	15	13	11	52	47	40	31	27	22	20	13	52	47	40	31	27	20	18	11	61	38	34	27	20	18	15	9
11	56	43	38	34	24	18	18	18	68	31	29	27	22	18	18	18	68	31	29	27	22	15	15	15	63	36	34	29	22	13	11	11	63	36	34	29	22	13	11	11	68	31	27	24	20	11	11	11
18	50	49	43	36	29	24	20	9	70	29	27	24	24	20	15	6	70	29	27	24	24	20	15	6	70	29	27	24	18	13	13	13	72	27	24	22	18	13	13	13	77	22	22	20	15	11	11	11
25	56	43	38	29	27	18	13	11	68	31	24	20	20	15	9	9	72	27	22	18	18	13	9	9	72	27	22	18	15	11	6	6	75	24	22	20	20	18	13	4	77	22	20	15	15	13	11	2
NOV 1	75	24	22	15	15	13	11	11	88	11	11	6	6	4	4	4	88	11	11	6	6	4	4	4	88	11	11	6	6	4	4	4	75	24	20	15	15	11	6	4	77	22	18	13	13	9	4	4
8	86	13	11	9	6	4	2	2	95	4	4	4	2	2	2	2	95	4	4	4	2	2	2	2	95	4	4	4	2	2	2	2	90	9	9	6	6	4	4	4	90	9	9	6	6	4	4	4
15	93	6	6	6	4	4	2	0	95	4	4	4	2	2	0	0	95	4	4	4	2	2	0	0	95	4	4	4	2	2	0	0	95	4	4	4	2	2	2	2	95	4	4	4	2	2	2	2
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	95	4	4	4	2	2	0	0	95	4	4	4	2	2	0	0	95	4	4	4	2	2	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 28. Probability of occurrence of drouth days based on 35 years of record, 1928 through 1962, for Loudon

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	83	16	16	11	11	8	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	77	22	22	13	11	11	11	5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	72	27	19	16	13	8	8	2	97	2	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	55	44	33	30	16	13	11	5	88	11	8	5	5	5	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	55	44	36	30	24	24	22	19	80	19	19	16	11	11	5	5	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	55	44	36	33	27	22	13	8	75	24	22	22	16	13	13	8	91	8	8	8	5	5	5	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	55	44	38	33	27	24	13	5	77	22	22	19	16	13	2	2	88	11	11	11	8	5	2	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	38	61	55	49	33	27	22	8	66	33	27	22	13	13	13	5	80	19	11	8	5	5	5	2	88	11	8	5	2	2	2	2	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0
14	41	58	49	38	36	19	19	19	66	33	33	30	19	11	11	11	80	19	19	16	13	11	8	8	88	11	11	8	5	5	5	5	97	2	2	2	2	2	2	2	97	2	0	0	0	0	0	0
21	33	66	66	55	47	27	22	16	55	44	44	44	38	22	19	11	66	33	30	30	19	5	5	5	83	16	13	11	11	5	5	5	91	8	8	8	5	2	2	2	97	2	2	2	2	2	2	2
28	33	66	58	49	41	27	22	11	50	49	44	30	27	19	16	8	58	41	36	30	27	16	13	5	72	27	24	19	13	5	5	2	86	13	11	8	8	5	5	2	94	5	2	2	2	2	2	2
JUL 5	44	55	44	36	30	22	19	8	63	36	30	27	22	19	13	8	75	24	19	19	13	13	11	5	83	16	16	16	13	13	8	2	88	11	11	5	5	5	5	2	94	5	5	5	5	5	5	2
12	38	61	58	52	44	27	22	13	50	49	49	41	30	13	11	5	63	36	36	27	27	11	11	5	72	27	24	22	19	8	8	2	83	16	16	13	11	5	2	0	94	5	5	5	5	2	2	0
19	38	61	44	30	24	22	19	8	58	41	30	22	19	16	13	5	69	30	19	16	16	16	11	2	72	27	13	11	11	11	5	2	86	13	11	8	5	5	2	0	94	5	2	2	2	2	2	0
26	30	69	58	52	47	41	27	13	47	52	44	36	33	30	19	5	55	44	38	33	27	22	13	5	63	36	30	27	22	19	11	5	72	27	22	13	11	8	8	5	91	8	5	5	5	5	5	2
AUG 2	25	74	74	55	44	38	27	19	50	49	47	36	33	30	24	19	58	41	41	33	30	24	22	19	61	38	36	24	22	19	16	16	69	30	30	22	16	16	16	13	91	8	8	2	2	2	2	2
9	30	69	66	58	44	30	30	25	44	55	49	41	33	24	22	19	61	38	33	30	27	19	19	16	66	33	30	30	27	19	19	16	72	27	24	24	19	16	13	11	83	16	13	11	5	2	2	0
16	30	69	63	52	47	38	33	13	44	55	47	38	36	36	30	13	52	47	36	33	30	30	22	5	63	36	30	27	24	24	16	2	66	33	27	24	24	16	2	2	77	22	16	13	11	11	8	2
23	16	83	74	66	61	49	38	25	30	69	61	55	44	38	33	16	41	58	52	41	41	36	30	16	47	52	41	33	33	30	24	11	55	44	33	30	30	24	16	8	72	27	19	16	16	13	11	5
30	36	63	58	55	55	47	36	22	44	55	49	47	44	38	27	16	50	49	44	41	38	33	27	16	58	41	36	36	33	30	27	16	61	38	36	36	33	30	27	16	72	27	22	22	22	22	22	11
SEP 6	41	58	52	41	36	30	22	13	47	52	44	36	30	27	16	11	55	44	38	27	22	19	13	8	63	36	33	24	22	19	13	8	63	36	33	24	22	19	13	8	69	30	30	24	16	13	8	5
13	36	63	58	44	36	33	27	19	58	41	38	33	27	24	24	16	61	38	38	27	24	24	24	16	69	30	30	24	22	19	19	13	72	27	27	22	19	19	19	13	77	22	22	19	16	16	16	11
20	27	72	61	49	47	38	24	16	44	55	47	30	30	24	13	8	52	47	41	30	30	24	13	8	52	47	36	22	22	19	11	8	63	36	30	19	19	16	8	2	72	27	24	13	13	11	5	2
27	38	61	61	52	41	36	30	22	47	52	52	47	36	30	24	16	55	44	41	36	27	24	16	11	61	38	38	33	24	22	16	11	69	30	30	27	19	16	11	8	75	24	24	22	13	11	5	5
OCT 4	61	38	36	33	30	22	13	13	69	30	27	27	22	16	8	8	72	27	24	24	19	11	5	5	77	22	19	19	16	8	5	5	77	22	19	19	16	5	5	5	86	13	11	11	8	5	5	5
11	55	44	38	33	24	24	11	11	66	33	27	24	22	22	11	11	72	27	22	19	16	16	8	8	72	27	22	19	16	13	5	5	75	24	19	16	13	11	5	5	86	13	11	11	11	11	5	5
18	55	44	36	36	24	22	16	13	69	30	24	22	16	16	13	13	77	22	22	22	16	16	13	13	77	22	22	22	16	16	13	13	80	19	19	19	13	13	11	11	83	16	13	13	11	11	8	8
25	63	36	33	30	22	19	16	13	75	24	22	19	16	11	8	8	75	24	22	19	16	11	8	8	75	24	22	19	16	11	8	8	75	24	22	19	16	11	8	5	86	13	13	11	8	5	2	2
NOV 1	83	16	11	5	5	5	5	5	88	11	8	5	5	5	5	5	88	11	8	5	5	5	5	5	88	11	8	5	5	5	5	5	88	11	8	5	5	5	5	5	97	2	2	2	2	2	2	2
8	91	8	5	2	2	2	2	2	94	5	2	2	2	2	2	2	94	5	2	2	2	2	2	2	94	5	2	2	2	2	2	2	94	5	2	2	2	2	2	2	97	2	2	2	2	2	2	2
15	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 29. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Lynnville

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C. DROUTH DAYS PER WEEK								2 INCH A.W.H.C. DROUTH DAYS PER WEEK								3 INCH A.W.H.C. DROUTH DAYS PER WEEK								4 INCH A.W.H.C. DROUTH DAYS PER WEEK								5 INCH A.W.H.C. DROUTH DAYS PER WEEK								7 INCH A.W.H.C. DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	88	11	11	6	4	4	4	0	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	81	18	13	11	6	4	2	2	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	13	11	9	9	9	9	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	68	31	29	29	18	9	2	0	93	6	4	4	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	59	40	36	22	15	9	4	4	93	6	4	4	4	4	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	50	49	36	22	20	15	11	9	86	13	11	9	4	2	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	56	43	40	31	24	11	6	4	81	18	13	11	11	4	4	4	95	4	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	36	63	49	40	36	31	24	15	65	34	24	20	13	6	6	4	93	6	6	6	6	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	34	65	63	61	54	47	34	15	50	49	43	36	29	29	24	13	77	22	18	15	13	13	6	2	93	6	4	4	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	40	59	47	38	34	29	24	18	54	45	36	31	29	22	20	13	72	27	20	20	15	15	13	11	90	9	6	6	6	6	4	4	95	4	2	2	2	0	0	0	100	0	0	0	0	0	0	0
21	45	54	47	40	38	31	24	11	59	40	34	31	29	24	20	9	63	36	31	24	24	22	18	6	81	18	18	18	15	15	11	4	93	6	6	6	6	6	4	2	100	0	0	0	0	0	0	0
28	31	68	61	47	31	27	18	9	54	45	43	36	22	15	11	6	65	34	29	24	18	13	9	4	72	27	24	20	13	9	6	2	86	13	11	11	11	4	4	0	97	2	2	2	2	0	0	0
JUL 5	27	72	68	49	43	29	20	9	61	38	34	27	18	13	13	6	68	31	27	20	11	6	4	2	81	18	15	11	9	4	4	2	90	9	4	2	2	2	2	2	97	2	2	0	0	0	0	0
12	34	65	59	54	45	34	27	20	38	61	47	34	27	22	15	15	59	40	34	22	20	18	13	13	70	29	22	15	13	13	6	6	84	15	13	11	11	9	4	4	97	2	0	0	0	0	0	0
19	31	68	61	43	38	29	22	11	54	45	40	31	29	24	18	11	56	43	40	22	18	13	6	4	75	24	22	15	13	11	6	4	84	15	13	9	9	9	4	4	97	2	2	2	0	0	0	0
26	29	70	59	56	45	34	18	18	54	45	45	38	34	22	13	13	63	36	31	27	24	18	9	9	72	27	27	22	13	11	6	4	86	13	13	9	6	4	2	2	93	6	4	4	4	4	2	2
AUG 2	22	77	77	68	54	52	49	34	40	59	56	49	43	38	31	25	47	52	49	45	31	27	24	20	63	36	34	31	27	22	20	13	72	27	27	24	18	15	9	6	90	9	9	4	2	2	2	2
9	25	74	59	49	38	31	24	11	47	52	47	40	34	27	20	9	56	43	34	31	24	20	18	6	65	34	29	24	20	18	15	6	70	29	22	20	18	15	11	4	95	4	4	4	4	4	2	0
16	22	77	65	52	45	29	18	18	34	65	56	45	36	22	11	11	43	56	49	38	31	20	6	6	56	43	38	31	27	13	4	4	63	36	29	22	18	13	4	2	93	6	6	6	6	6	2	0
23	22	77	63	52	45	40	31	22	43	56	45	45	38	36	29	20	47	52	43	43	36	34	24	18	61	38	38	36	31	27	22	18	65	34	34	34	29	22	18	13	84	15	13	9	9	6	6	6
30	25	74	70	68	61	47	34	15	38	61	59	54	47	36	24	15	47	52	52	47	40	29	22	15	52	47	47	43	38	29	22	15	61	38	38	36	31	27	20	15	75	24	22	20	18	13	9	6
SEP 6	31	68	63	59	40	36	27	15	43	56	54	45	36	34	22	11	47	52	47	38	31	27	20	11	52	47	40	34	27	24	18	9	65	34	34	27	24	22	15	9	72	27	27	20	15	15	11	6
13	20	79	70	59	47	34	27	20	45	54	49	40	36	24	20	15	52	47	45	38	34	22	18	13	52	47	45	38	31	22	18	13	56	43	38	29	22	15	13	9	70	29	29	22	18	11	9	6
20	34	65	59	54	52	45	40	25	45	54	49	43	43	34	31	18	52	47	43	38	38	31	31	13	56	43	36	29	29	24	24	11	61	38	34	29	29	24	24	11	72	27	24	20	20	18	18	6
27	29	70	63	54	49	43	24	18	50	49	45	36	34	29	20	15	61	38	36	29	27	24	18	13	61	38	36	29	24	22	18	13	63	31	29	22	20	18	13	9	72	27	24	18	15	13	11	9
OCT 4	50	49	45	38	34	29	27	20	61	38	34	29	24	22	20	15	68	31	29	24	20	18	18	11	70	29	27	22	18	15	15	11	72	27	24	22	18	15	15	11	77	22	20	18	15	13	13	9
11	56	43	40	38	34	24	20	15	63	36	36	36	29	22	18	15	68	31	31	31	27	20	15	11	70	29	29	29	22	15	11	11	70	29	27	24	20	15	11	11	81	18	18	18	15	13	9	9
18	52	47	40	34	27	27	22	13	61	38	34	29	24	24	20	11	68	31	29	24	20	20	18	11	68	31	29	22	18	18	15	9	70	29	27	22	18	18	15	9	77	22	20	18	15	15	11	4
25	54	45	40	34	31	18	15	11	70	29	24	22	22	15	13	11	75	24	22	20	20	13	11	9	75	24	22	20	20	13	11	9	77	22	20	18	18	11	9	6	84	15	13	11	11	6	4	2
NOV 1	70	29	22	18	11	11	11	9	84	15	9	6	2	2	2	2	86	13	9	6	2	2	2	2	86	13	9	6	2	2	2	2	88	11	6	6	2	2	2	2	90	9	6	4	2	2	2	2
8	84	15	13	11	6	6	4	4	93	6	6	6	2	2	2	2	93	6	6	6	2	2	2	2	93	6	6	6	2	2	2	2	93	6	6	6	2	2	2	2	93	6	6	6	2	2	2	2
15	88	11	9	9	6	4	0	0	95	4	4	4	2	2	0	0	95	4	4	4	2	2	0	0	95	4	4	4	2	2	0	0	95	4	4	4	2	2	0	0	95	4	4	4	2	2	0	0
22	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 30. Probability of occurrence of drouth days based on 34 years of record, 1937 through 1970, for Martin

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	94	5	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	91	8	8	8	8	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	94	5	5	5	5	5	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	79	19	11	2	2	2	0	0	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	79	19	8	5	5	2	2	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	59	39	37	31	14	11	5	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	54	45	31	25	22	17	8	8	88	11	11	8	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	48	51	39	34	25	25	19	17	79	19	17	17	14	11	11	5	94	5	5	5	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	42	57	48	45	39	25	22	14	71	28	22	22	19	17	14	8	82	17	11	5	5	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	31	68	59	51	39	28	14	5	62	37	34	25	14	11	8	5	79	19	14	8	8	8	8	5	91	8	5	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	37	62	62	57	51	31	25	14	54	45	39	37	31	19	17	8	74	25	17	14	14	11	11	5	85	14	8	8	8	8	8	2	94	5	5	5	2	2	0	0	100	0	0	0	0	0	0	0
14	42	57	45	37	22	19	17	11	68	31	22	19	19	14	14	8	77	22	14	11	11	8	8	5	85	14	8	8	8	5	5	2	91	8	5	2	2	0	0	0	100	0	0	0	0	0	0	0
21	17	82	77	65	51	37	19	14	57	42	37	31	19	14	8	8	62	37	31	22	14	8	5	5	79	19	17	14	5	2	0	0	85	14	14	11	5	2	0	0	100	0	0	0	0	0	0	0
28	17	82	82	68	62	54	39	25	34	65	59	48	45	37	19	14	57	42	42	34	25	19	8	5	74	25	17	11	8	8	5	5	85	14	14	11	8	5	2	2	100	0	0	0	0	0	0	0
JUL 5	22	77	62	57	51	42	34	22	34	65	57	45	39	37	34	22	48	51	45	39	37	34	25	11	59	39	28	22	22	22	19	8	82	17	14	14	14	11	8	5	91	8	8	5	5	0	0	0
12	19	79	65	57	37	25	19	11	45	54	45	37	25	19	19	11	51	48	39	31	25	17	17	8	59	39	37	28	19	14	14	5	65	34	25	14	5	5	5	5	68	11	11	8	2	2	2	2
19	11	88	79	62	59	48	42	28	31	68	57	48	42	28	22	19	57	42	42	37	34	25	19	17	59	39	37	34	31	25	19	17	65	34	34	34	31	22	19	17	85	14	11	11	8	5	5	5
26	19	79	77	71	48	37	28	19	37	62	57	54	39	31	22	17	51	48	39	39	25	22	19	14	68	31	31	31	19	14	14	8	71	28	28	25	14	11	11	5	85	14	14	14	8	5	5	5
AUG 2	11	88	85	79	68	57	39	31	22	77	71	57	51	45	31	19	34	65	62	48	42	34	22	14	54	45	39	31	31	25	17	8	65	34	34	25	25	22	14	5	74	25	22	14	14	14	5	2
9	14	85	74	71	54	42	37	25	25	74	62	59	48	39	37	25	34	65	57	57	45	37	31	19	39	59	48	48	42	28	22	11	57	42	34	31	25	17	17	8	71	28	22	22	19	11	11	5
16	14	85	85	79	62	42	37	28	22	77	71	65	51	37	31	19	25	74	68	59	45	34	31	19	31	68	65	54	45	34	31	19	42	57	54	48	45	34	22	11	65	34	31	22	19	17	14	8
23	8	91	77	65	57	51	37	28	28	71	59	57	51	45	34	28	37	62	57	57	51	45	34	28	39	59	54	54	48	45	34	22	45	54	48	48	42	39	25	19	74	25	22	22	19	17	14	11
30	19	79	74	74	65	51	37	28	25	74	68	65	57	45	31	22	37	62	59	59	51	39	25	22	37	62	59	59	51	39	22	19	39	59	57	57	45	34	19	17	57	42	39	37	22	19	8	8
SEP 6	28	71	65	54	48	39	39	28	42	57	57	48	45	37	37	25	45	54	51	42	39	34	31	22	51	48	45	39	37	31	31	22	51	48	45	39	34	28	28	19	57	42	37	28	28	22	22	17
13	17	82	74	62	42	28	22	17	45	54	51	45	39	28	19	14	51	48	48	42	37	25	17	14	57	42	42	39	34	25	17	14	57	42	42	39	34	25	17	14	59	39	39	37	31	22	17	14
20	34	65	57	54	51	39	34	25	39	59	54	45	39	31	22	17	45	54	48	42	37	28	19	14	51	48	39	34	34	25	19	14	57	42	39	34	34	25	19	14	65	34	31	31	31	22	17	14
27	34	65	57	51	48	39	34	28	48	51	48	42	39	31	25	19	57	42	42	39	37	28	25	19	59	39	39	37	34	28	25	19	65	34	34	31	28	22	19	14	68	31	28	25	22	19	17	14
OCT 4	51	48	39	28	28	25	25	19	71	28	25	19	19	17	17	11	74	25	22	19	19	17	17	11	74	25	22	19	19	17	17	11	74	25	22	19	19	17	14	5	82	17	14	11	11	8	8	5
11	45	54	51	42	37	34	28	25	62	37	37	37	31	28	25	22	65	34	34	31	28	25	22	19	68	31	31	28	25	25	22	19	68	31	31	28	25	25	22	19	74	25	25	22	19	19	19	17
18	42	57	54	51	45	37	28	25	62	37	34	28	25	19	14	11	68	31	28	25	22	17	14	11	68	31	28	25	22	17	14	11	68	31	28	25	22	17	14	11	74	25	25	22	22	17	14	11
25	45	54	34	31	31	25	14	14	57	42	28	17	17	11	8	2	68	31	17	8	8	5	2	2	71	28	14	8	8	5	2	2	71	28	14	8	8	5	2	2	71	28	14	8	8	5	2	2
NOV 1	77	22	19	14	14	14	14	5	88	11	11	11	11	11	8	5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	94	5	2	2	2	2	0	0	94	5	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 31. Probability of occurrence of drouth days based on 31 years of record, 1940 through 1970, for Memphis AP

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	93	6	3	3	3	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	87	12	6	3	3	3	3	3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	84	15	6	3	3	3	3	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	84	15	6	6	3	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	87	12	9	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	59	40	28	25	18	15	12	9	93	6	3	3	3	0	0	0	100	0	0	0	0	0	0	0
10	43	56	53	43	31	21	15	12	81	18	12	9	6	0	0	0	100	0	0	0	0	0	0	0
17	37	62	59	59	43	37	18	9	71	28	28	28	18	18	9	3	96	3	3	3	3	0	0	0
24	53	46	40	37	28	12	9	6	65	34	21	18	9	6	3	0	84	15	9	6	6	3	0	0
31	28	71	65	62	40	34	21	15	65	34	31	28	12	12	9	6	84	15	12	9	6	6	3	3
JUN 7	15	84	71	56	50	46	37	28	34	65	53	37	34	25	12	12	71	28	21	9	6	6	6	6
14	18	81	71	56	50	43	40	21	34	65	56	46	46	40	34	18	59	40	37	31	28	21	18	12
21	15	84	84	75	46	37	25	18	40	59	59	53	43	34	25	15	50	50	46	40	34	28	21	12
28	21	78	71	62	53	40	37	25	34	65	46	43	31	28	25	18	53	46	37	34	28	28	25	15
JUL 5	15	84	78	71	65	53	43	37	34	65	65	59	56	46	40	34	40	59	59	46	46	37	34	28
12	15	84	71	65	62	43	37	25	31	68	59	53	50	37	34	18	46	53	46	43	43	34	31	18
19	25	75	65	56	53	43	28	21	37	62	53	53	43	37	25	21	40	59	50	50	40	34	25	21
26	31	68	59	50	37	31	28	12	46	53	46	37	28	25	18	9	50	50	46	37	28	25	18	9
AUG 2	12	87	81	75	68	59	40	31	21	78	75	71	59	50	34	31	28	71	68	59	53	40	28	28
9	6	93	90	81	75	53	43	18	25	75	71	68	65	46	40	18	28	71	68	62	62	46	40	18
16	21	78	68	59	56	46	37	25	28	71	62	53	46	40	28	18	34	65	56	43	43	37	28	18
23	12	87	75	65	56	53	37	18	31	68	53	53	50	40	28	15	43	56	50	50	50	40	25	12
30	21	78	71	65	62	46	37	34	40	59	53	50	43	31	21	18	46	53	43	43	37	28	18	15
SEP 6	21	78	71	68	59	50	31	25	28	71	68	62	53	40	25	15	40	59	53	50	43	34	21	12
13	21	78	71	65	56	40	37	34	37	62	53	46	43	34	28	28	40	59	50	43	43	34	28	25
20	18	81	75	68	62	50	43	31	31	68	65	62	56	43	37	28	34	65	62	59	50	37	31	25
27	15	84	68	53	43	37	28	15	43	56	53	43	37	31	25	15	46	53	50	40	34	28	25	15
OCT 4	34	65	59	46	34	34	18	15	53	46	43	34	25	25	9	6	56	43	43	34	25	25	9	6
11	34	65	59	53	50	40	28	21	53	46	40	34	31	28	21	18	53	46	40	34	28	28	21	18
18	37	62	56	50	40	37	31	25	56	43	40	34	31	31	28	21	62	37	34	31	31	31	28	21
25	34	65	53	53	40	34	34	28	53	46	37	34	31	25	21	12	62	37	28	25	21	18	18	12
NOV 1	68	31	18	12	9	9	9	3	81	18	12	9	6	6	6	3	84	15	9	6	3	3	3	3
8	87	12	3	3	3	3	3	0	90	9	3	3	3	3	3	0	93	6	3	3	3	3	3	0
15	90	9	9	3	0	0	0	0	93	6	6	3	0	0	0	0	96	3	3	0	0	0	0	0
22	96	3	3	3	3	3	3	0	96	3	3	3	3	3	3	0	100	0	0	0	0	0	0	0
29	96	3	3	3	3	3	3	0	96	3	3	3	3	3	3	0	96	3	3	3	3	3	0	0
DEC 6	96	3	3	3	3	3	0	0	96	3	3	3	3	3	0	0	96	3	3	3	3	3	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

1-WEEK PERIOD BEGINNING:	4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	96	3	3	3	3	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	96	3	3	3	3	3	3	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	93	6	6	6	3	3	3	3	96	3	3	3	3	3	3	3	100	0	0	0	0	0	0	0
14	81	18	12	9	9	9	6	3	90	9	6	6	6	6	3	0	96	3	3	3	3	3	0	0
21	71	28	25	21	18	15	12	9	87	12	12	9	6	6	3	0	96	3	3	3	3	3	0	0
28	62	37	31	28	18	18	15	12	71	28	18	18	12	6	6	6	93	6	6	3	3	3	3	3
JUL 5	56	43	43	37	34	31	28	21	68	31	31	31	31	25	25	18	87	12	6	6	6	6	6	6
12	50	50	43	34	34	28	25	15	62	37	31	25	25	15	15	9	81	18	15	12	12	12	9	3
19	43	56	46	46	37	31	21	15	59	40	31	31	25	21	15	12	81	18	15	12	12	9	9	9
26	50	50	43	34	25	21	15	9	53	46	40	28	18	15	12	6	78	21	18	18	12	9	6	3
AUG 2	34	65	62	59	53	40	28	28	37	62	56	50	46	37	25	25	75	25	25	25	21	21	12	12
9	31	68	65	59	56	40	34	15	34	65	62	59	53	40	34	15	56	43	37	31	28	18	18	6
16	40	59	50	43	43	37	28	18	40	59	50	43	40	34	25	15	50	50	43	37	31	25	18	9
23	43	56	50	46	46	40	25	12	46	53	46	46	46	40	25	12	53	46	40	40	40	31	18	12
30	46	53	40	40	34	25	18	15	50	50	40	37	31	21	15	12	56	43	37	37	31	21	15	12
SEP 6	43	56	53	50	43	34	21	12	43	56	50	46	40	31	18	9	56	43	40	37	34	28	15	6
13	46	53	46	40	40	31	25	25	46	53	46	40	40	31	25	25	53	46	37	34	34	25	18	18
20	37	62	56	53	43	31	28	21	46	53	50	50	43	31	28	21	50	50	46	46	43	31	28	18
27	46	53	50	37	31	25	21	12	59	40	37	31	28	21	18	12	59	40	34	31	28	21	18	12
OCT 4	56	43	43	34	25	25	9	6	62	37	37	31	21	21	9	6	65	34	34	28	18	18	9	6
11	53	46	40	34	28	28	21	18	56	43	40	34	21	21	18	15	62	37	34	26	21	21	18	15
18	62	37	34	31	31	31	28	21	62	37	34	31	31	31	28	21	65	34	31	28	28	28	28	21
25	62	37	28	25	21	18	18	12	62	37	25	21	18	15	15	12	68	31	25	21	18	15	15	12
NOV 1	84	15	9	6	3	3	3	3	84	15	9	6	3	3	3	3	87	12	6	3	3	3	3	3
8	93	6	3	3	3	3	3	0	93	6	3	3	3	3	3	0	93	6	3	3	3	3	3	0
15	96	3	3	0	0	0	0	0	96	3	3	0	0	0	0	0	96	3	3	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 32. Probability of occurrence of drouth days based on 38 years of record, 1928 through 1970, for Memphis

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	92	7	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	84	15	12	12	5	5	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	87	12	10	7	7	7	7	2	94	5	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	74	25	20	17	15	5	5	2	94	5	5	5	5	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	69	30	23	20	15	12	10	5	92	7	5	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	64	35	33	20	20	15	12	10	87	12	7	7	5	5	5	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	61	38	33	28	25	20	12	12	79	20	17	17	15	12	10	5	89	10	7	5	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	48	51	48	43	35	28	25	17	61	38	35	35	23	15	15	10	82	17	15	15	12	10	7	7	92	7	7	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	53	46	38	33	25	20	15	10	61	38	35	30	23	12	10	7	71	28	28	25	15	7	2	2	87	12	12	10	5	5	2	2	94	5	5	5	0	0	0	0	100	0	0	0	0	0	0	0
14	51	48	43	38	30	28	23	17	58	41	30	28	23	23	20	15	66	33	25	23	20	17	15	12	79	20	17	17	12	12	7	7	92	7	7	7	7	7	5	2	100	0	0	0	0	0	0	0
21	51	48	48	43	41	28	20	15	58	41	41	33	33	25	20	12	64	35	35	33	30	20	15	10	71	28	25	23	20	12	10	7	84	15	15	12	12	10	5	2	97	2	0	0	0	0	0	0
28	46	53	51	48	35	30	30	17	48	51	46	41	28	25	23	17	61	38	35	33	25	23	20	15	66	33	28	28	20	17	17	12	74	25	25	23	12	12	10	7	89	10	10	5	2	2	2	0
JUL 5	43	56	56	48	43	35	28	23	51	48	48	48	43	33	25	20	53	46	46	43	35	28	17	12	64	35	35	35	30	25	17	12	69	30	30	28	23	20	10	5	84	15	10	7	7	5	5	2
12	43	56	56	53	53	33	30	23	46	53	51	48	41	28	25	17	53	46	43	43	41	28	25	15	58	41	41	33	30	20	17	15	66	33	33	30	28	17	15	12	82	17	17	17	12	10	7	7
19	41	58	51	46	38	33	25	23	51	48	43	38	35	33	25	23	53	46	43	38	35	28	23	20	58	41	38	33	30	28	23	20	58	41	38	28	20	17	12	12	74	25	25	20	17	15	12	10
26	48	51	48	48	46	38	33	23	53	46	46	46	46	33	23	17	58	41	41	41	38	30	20	17	61	38	38	38	38	30	15	12	69	30	30	28	28	20	15	12	82	17	17	17	17	15	12	10
AUG 2	41	58	53	51	48	46	38	20	43	56	51	48	43	43	33	17	46	53	51	48	43	41	33	15	46	53	51	48	43	38	30	15	46	53	51	46	43	38	30	15	64	35	33	33	28	20	15	10
9	48	51	51	48	46	41	41	25	48	51	51	48	46	41	41	25	51	48	48	48	46	41	41	25	51	48	48	48	46	41	41	25	51	48	46	48	46	41	41	25	53	46	43	38	35	28	28	17
16	41	58	58	51	46	43	28	23	48	51	51	43	41	38	28	23	48	51	51	41	38	35	25	20	51	48	48	41	38	35	25	20	51	48	48	41	38	35	25	20	53	46	46	41	38	33	23	17
23	46	53	46	43	43	35	28	28	51	48	46	43	43	33	23	23	53	46	41	38	38	30	23	23	53	46	38	35	35	28	23	23	53	46	38	35	35	28	23	23	53	46	38	35	35	28	23	23
30	46	53	48	41	35	33	23	17	46	53	46	35	30	28	17	12	46	53	46	35	30	28	17	12	48	51	43	33	28	25	15	12	48	51	43	33	28	25	15	12	48	51	43	33	28	25	15	12
SEP 6	48	51	51	43	38	33	30	23	56	43	43	35	33	33	30	23	56	43	43	35	33	33	30	23	56	43	43	35	33	30	28	23	58	41	41	33	30	30	28	23	58	41	41	33	30	30	28	23
13	46	53	51	51	48	46	33	28	48	51	48	48	46	38	23	23	51	48	46	43	43	35	23	23	51	48	46	43	43	35	23	23	51	48	46	43	43	35	23	23	51	48	46	43	43	35	23	23
20	46	53	51	51	46	38	35	28	48	51	48	48	43	38	33	28	48	51	46	46	43	38	33	28	51	48	46	46	43	38	33	28	51	48	46	46	41	35	30	25	53	46	43	43	41	35	30	25
27	51	48	38	33	33	33	25	20	56	43	33	30	30	30	25	17	58	41	30	28	28	28	23	17	58	41	30	28	28	28	23	17	58	41	30	28	28	28	23	17	58	41	30	28	28	28	23	17
OCT 4	61	38	38	33	28	25	20	17	66	33	30	28	25	23	17	17	66	33	30	25	23	20	15	15	71	28	25	25	23	20	15	15	71	28	25	25	23	20	15	15	71	28	25	25	23	20	15	15
11	51	48	46	35	33	25	25	17	61	38	33	25	23	15	15	10	64	35	33	25	23	15	15	10	66	33	30	25	23	15	15	10	66	33	30	25	23	15	15	10	66	33	30	25	23	15	15	10
18	56	43	43	35	30	25	23	17	64	35	35	33	28	25	17	15	66	33	33	30	25	20	15	12	66	33	33	30	23	17	12	10	66	33	33	30	23	17	12	10	66	33	33	30	23	17	12	10
25	66	33	30	28	23	15	15	15	74	25	23	20	17	10	10	10	74	25	23	20	17	10	10	10	76	23	20	17	15	7	7	7	76	23	20	17	15	7	7	7	76	23	20	17	15	7	7	7
NOV 1	84	15	10	10	7	7	7	2	87	12	7	7	5	5	5	2	89	10	7	7	5	5	5	2	89	10	7	7	5	5	5	2	89	10	7	7	5	5	5	2	89	10	7	7	5	5	5	2
8	94	5	5	5	5	5	5	5	94	5	5	5	5	5	5	5	94	5	5	5	5	5	5	5	94	5	5	5	5	5	5	5	94	5	5	5	5	5	5	5	94	5	5	5	5	5	5	5
15	94	5	5	2	2	2	2	2	94	5	5	2	2	2	2	2	94	5	5	2	2	2	2	2	94	5	5	2	2	2	2	2	94	5	5	2	2	2	2	2	94	5	5	2	2	2	2	2
22	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2
29	97	2	2	0	0	0	0	0	97	2	2	0	0	0	0	0	97	2	2	0	0	0	0	0	97	2	2	0	0	0	0	0	97	2	2	0	0	0	0	0	97	2	2	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 33. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Middlesboro, Ky.

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	84	15	9	6	6	6	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	84	15	11	9	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	75	24	11	11	11	6	4	4	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	59	40	31	27	18	15	11	6	93	6	4	4	4	4	4	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	63	36	31	29	20	18	11	9	86	13	11	9	9	6	4	4	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	59	40	34	29	11	6	6	4	86	13	13	9	4	4	4	4	93	6	4	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	52	47	38	31	22	15	13	9	84	15	13	9	2	2	2	2	95	4	4	2	2	2	2	2	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	52	47	40	31	24	15	4	2	88	11	11	9	6	4	2	2	95	4	4	4	2	2	0	0	97	2	2	2	2	2	0	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0
14	45	54	45	36	27	18	11	11	75	24	20	11	9	9	6	4	93	6	4	4	4	4	4	4	93	6	4	4	4	4	4	2	95	4	4	4	2	2	2	2	100	0	0	0	0	0	0	0
21	59	40	38	31	29	20	18	9	68	31	27	20	18	11	11	6	88	11	11	11	9	9	9	4	93	6	6	6	6	6	6	4	95	4	4	4	4	4	4	4	95	4	2	0	0	0	0	0
28	45	54	45	34	27	18	15	9	63	36	29	27	24	15	11	6	81	18	18	15	13	6	6	2	90	9	9	9	6	2	0	0	93	6	4	4	2	0	0	0	95	4	4	4	2	0	0	0
JUL 5	43	56	47	34	24	22	20	6	68	31	27	20	15	13	11	6	77	22	18	13	11	11	9	4	90	9	6	6	4	4	4	4	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0
12	31	68	49	40	38	31	22	9	63	36	29	22	18	18	11	0	81	18	15	11	11	11	9	0	88	11	11	9	6	6	4	0	93	6	4	2	2	2	0	0	100	0	0	0	0	0	0	0
19	34	65	59	52	29	22	13	6	59	40	40	29	15	13	6	4	72	27	27	20	15	9	2	2	88	11	9	6	4	4	2	2	93	6	6	6	4	4	2	2	97	2	0	0	0	0	0	0
26	34	65	61	54	47	34	24	15	54	45	40	38	31	20	11	9	72	27	24	22	22	15	9	6	81	18	15	15	13	11	6	4	86	13	11	9	6	6	4	4	95	4	4	2	2	2	0	0
AUG. 2	45	54	52	45	34	29	13	6	54	45	43	38	27	22	11	6	70	29	27	18	13	11	6	4	79	20	15	11	6	6	4	4	86	13	11	6	4	4	2	2	95	4	4	4	2	2	0	0
9	38	61	56	47	43	36	24	11	59	40	36	29	24	13	9	6	72	27	24	20	18	9	4	2	88	11	11	11	11	9	4	2	90	9	9	9	9	6	4	2	93	6	4	4	4	2	0	0
16	38	61	59	54	45	31	18	13	56	43	40	34	31	20	13	11	68	31	29	27	22	11	9	2	84	15	13	9	4	2	2	2	95	4	4	4	4	2	2	2	93	6	4	4	4	2	0	0
23	22	77	63	49	40	29	22	18	50	49	49	36	34	24	20	18	54	45	45	31	29	22	18	15	68	31	31	24	22	15	13	11	81	18	15	15	11	11	6	4	95	4	4	4	4	2	2	2
30	27	72	70	63	54	40	31	22	38	61	52	47	40	34	29	15	47	52	47	43	36	29	24	13	59	40	40	29	24	20	18	13	77	22	22	15	13	13	11	6	95	4	4	4	4	4	4	2
SEP 6	29	70	61	52	49	38	36	29	43	56	49	47	45	34	31	27	50	49	43	38	34	29	27	22	54	45	38	34	29	22	20	18	75	24	22	18	13	13	11	9	95	4	4	4	4	4	4	4
13	31	68	54	52	43	34	29	22	43	56	43	38	34	27	22	18	50	49	38	31	29	24	20	15	61	38	29	29	27	24	20	15	68	31	24	24	22	20	15	11	93	6	6	4	4	4	4	4
20	34	65	56	47	38	29	22	18	47	52	45	38	34	24	20	18	56	43	36	34	31	22	18	13	63	36	31	29	27	18	11	9	68	31	27	24	20	13	9	6	86	13	11	9	9	6	4	2
27	34	65	61	45	43	43	24	18	45	54	52	43	40	40	24	13	54	45	43	34	31	31	18	11	61	38	36	29	27	27	15	9	70	29	29	27	22	22	15	9	88	11	11	11	9	6	6	4
OCT 4	54	45	43	34	29	22	11	11	59	40	38	31	29	22	11	11	63	36	34	27	24	18	9	9	68	31	31	24	22	15	6	6	75	24	24	18	15	11	6	4	86	13	13	9	6	4	4	4
11	63	36	34	34	22	20	13	13	70	29	27	27	20	18	13	13	70	29	27	24	15	13	11	11	77	22	20	20	15	13	11	11	77	22	20	18	11	9	6	6	88	11	9	9	4	4	4	4
18	63	36	36	34	20	15	15	13	70	29	29	27	18	15	15	13	72	27	27	24	16	15	15	13	77	22	22	20	15	13	13	13	79	20	20	18	15	13	13	13	90	9	6	6	6	4	4	4
25	63	36	29	24	20	18	13	11	70	29	24	20	15	13	11	11	70	29	24	18	13	13	11	11	72	27	20	15	11	11	11	11	75	24	20	13	9	9	9	9	88	11	9	6	4	4	4	4
NOV 1	81	18	11	6	6	6	6	6	86	13	9	4	4	4	4	4	86	13	9	4	4	4	4	4	88	11	6	4	4	4	4	4	88	11	6	4	4	4	4	4	93	6	4	4	4	4	4	4
8	86	13	11	4	4	2	2	2	90	9	9	4	2	2	2	2	90	9	9	4	2	2	2	2	90	9	9	4	2	2	2	2	90	9	9	4	2	2	2	2	90	9	9	4	2	2	2	2
15	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0
22	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	2	0	0	0	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 34. Probability of occurrence of drouth days based on 41 years of record, 1930 through 1970, for Milan

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	90	9	7	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	88	11	9	7	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	85	14	7	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	85	14	7	4	4	4	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	64	35	26	16	16	11	11	0	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	66	33	23	21	11	11	9	9	92	7	7	4	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	54	45	40	23	19	19	11	7	83	16	16	7	4	4	2	2	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	50	49	40	38	30	21	19	14	76	23	21	19	14	11	11	9	88	11	7	4	4	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	26	73	61	54	42	38	23	14	64	35	33	23	11	11	11	7	83	16	14	11	7	7	7	4	92	7	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	35	64	59	52	49	42	38	26	50	49	47	40	40	30	21	11	76	23	23	19	19	14	9	4	90	9	7	7	7	4	4	4	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0
14	38	61	47	42	33	26	16	14	59	40	33	28	16	16	14	11	78	21	16	16	11	9	7	4	95	4	4	4	4	4	4	4	95	4	4	2	2	2	2	2	100	0	0	0	0	0	0	0
21	26	73	69	57	47	38	30	21	42	57	54	47	42	30	21	16	54	45	42	33	26	23	14	9	78	21	21	19	16	16	7	2	95	4	4	4	4	4	2	2	97	2	0	0	0	0	0	0
28	14	85	78	71	61	42	23	4	35	64	54	47	38	23	9	4	52	47	42	35	28	19	7	4	69	30	30	26	19	11	4	2	78	21	19	14	9	7	0	0	95	4	2	2	2	2	0	0
JUL 5	23	76	66	57	49	38	21	19	40	59	49	42	38	28	19	16	59	40	38	30	28	23	16	11	69	30	23	21	19	16	11	7	80	19	16	14	11	11	9	7	92	7	7	4	0	0	0	0
12	11	88	78	61	45	42	35	26	30	69	61	42	35	33	26	23	50	49	42	33	30	26	16	16	61	38	30	26	23	21	11	11	73	26	19	16	16	11	9	9	68	11	9	4	4	2	2	2
19	19	80	76	69	57	47	38	26	28	71	66	59	47	40	33	21	35	64	59	49	40	38	28	19	50	49	47	38	30	30	26	19	61	38	35	30	26	23	21	16	85	14	14	14	14	14	11	9
26	16	83	73	71	49	42	33	21	28	71	57	52	42	35	28	21	40	59	45	42	33	30	28	21	50	49	45	42	28	23	21	16	64	35	35	35	23	23	21	16	78	21	21	19	14	11	11	7
AUG 2	4	95	85	71	61	49	30	19	19	80	71	64	57	40	28	16	26	73	69	61	49	33	23	11	35	64	57	47	38	30	23	11	50	49	47	40	28	26	19	7	71	28	28	26	19	19	14	4
9	19	80	73	66	49	40	38	26	26	73	69	61	40	30	28	19	35	64	61	54	38	30	28	19	40	59	57	49	38	30	28	16	47	52	47	42	33	26	23	14	64	35	30	28	23	21	19	11
16	23	76	57	52	38	28	21	16	42	57	45	40	33	26	21	16	45	54	42	38	28	21	16	14	50	49	40	33	26	16	14	11	59	40	35	30	23	16	14	11	69	30	26	23	19	11	11	9
23	23	76	69	69	57	54	4[illegible]	28	38	61	57	57	45	35	28	19	45	54	47	47	38	30	23	19	52	47	47	47	35	28	21	16	57	42	42	40	30	26	21	16	64	35	33	30	26	21	16	11
30	21	78	73	69	52	47	40	30	33	66	61	57	47	42	33	26	40	59	54	52	42	38	30	23	45	54	47	45	38	35	28	21	50	49	42	42	33	28	23	19	64	35	30	30	23	21	19	14
SEP 6	30	69	61	57	40	26	26	23	47	52	45	45	33	23	23	21	52	47	42	40	28	21	21	19	57	42	38	35	26	19	19	16	59	40	38	35	26	19	19	16	69	30	26	28	21	16	16	14
13	30	69	66	64	57	47	35	28	57	42	42	42	38	38	28	19	59	40	38	38	33	33	26	19	64	35	35	35	30	28	26	19	66	33	33	33	28	28	26	19	69	30	30	30	28	28	26	19
20	26	73	73	64	54	42	38	26	45	54	54	47	38	35	30	21	47	52	49	45	35	30	26	21	57	42	42	38	30	28	23	19	59	40	40	38	30	28	23	19	66	33	33	30	26	23	21	16
27	28	71	64	54	52	38	33	23	50	49	45	35	35	30	26	19	57	42	40	35	35	30	26	19	57	42	40	35	35	30	26	19	61	38	35	30	30	26	21	16	66	33	33	28	28	26	21	14
OCT 4	42	57	54	42	38	28	26	21	59	40	30	26	23	19	16	14	66	33	28	23	21	16	14	11	66	33	28	23	21	16	14	11	66	33	28	23	21	14	11	9	71	28	23	19	16	11	9	7
11	50	49	42	38	35	33	23	21	54	45	40	35	30	28	21	19	66	33	30	26	23	21	16	16	66	33	30	26	23	21	16	16	66	33	30	26	23	21	16	16	73	26	23	21	21	19	14	14
18	47	52	47	40	30	28	16	11	61	38	35	28	23	21	14	11	66	33	28	21	19	16	11	11	69	30	26	19	16	14	11	11	69	30	26	19	16	14	11	11	73	26	21	16	16	14	11	11
25	52	47	35	33	21	19	14	11	69	30	26	26	16	9	4	4	76	23	19	19	7	4	2	2	78	21	16	16	7	4	2	2	78	21	16	16	7	4	2	2	78	21	16	16	7	4	2	2
NOV 1	78	21	16	11	7	7	7	7	88	11	7	4	4	4	4	4	92	7	2	0	0	0	0	0	95	4	0	0	0	0	0	0	95	4	0	0	0	0	0	0	95	4	0	0	0	0	0	0
8	92	7	4	4	2	0	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	92	7	4	2	0	0	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 35. Probability of occurrence of drouth days based on 44 years of record, 1927 through 1970, for Monteagle

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	95	4	4	4	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	91	8	8	4	2	0	0	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	88	11	11	8	8	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	75	24	13	11	11	8	6	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	62	37	28	17	13	13	8	4	91	8	8	6	6	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	64	35	28	24	19	17	15	6	88	11	8	4	2	2	2	2	97	2	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	73	26	24	22	13	13	8	2	86	13	13	8	6	6	4	0	95	4	4	4	4	4	2	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	66	33	31	24	19	19	17	13	82	17	17	15	11	8	8	4	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	55	44	42	39	31	22	17	8	82	17	17	17	13	11	11	8	91	8	8	8	8	6	6	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	66	33	26	19	17	17	13	2	77	22	11	8	6	4	2	0	93	6	4	4	4	4	2	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	59	39	33	31	26	17	15	13	79	19	19	15	8	8	8	6	91	8	8	6	4	2	2	2	95	4	2	2	2	2	2	2	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0
28	48	51	44	35	28	17	13	13	68	31	26	24	22	13	11	8	82	17	15	13	11	6	4	2	91	8	6	4	4	4	2	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0
JUL 5	57	42	31	28	22	19	13	4	77	22	19	19	13	11	4	4	82	17	15	13	8	8	2	2	91	8	8	6	4	2	2	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0
12	66	33	31	19	17	15	13	11	79	19	17	13	11	11	8	6	91	8	8	8	8	8	6	2	93	6	6	6	6	4	4	2	97	2	2	2	2	2	2	2	97	2	2	2	2	0	0	0
19	59	39	33	28	24	13	11	2	68	31	24	17	13	6	6	2	79	19	15	11	4	2	2	2	91	8	8	6	4	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2
26	59	39	31	24	22	15	15	6	82	17	17	15	15	11	11	2	86	13	11	11	11	8	8	2	91	8	8	8	8	8	6	2	95	4	2	2	2	2	2	2	97	2	2	2	2	2	2	0
AUG 2	53	46	37	31	19	15	11	2	75	24	22	15	6	6	4	2	79	19	13	8	6	4	2	0	91	8	6	6	4	4	2	0	93	6	6	6	4	4	2	0	91	8	6	6	4	4	2	0
9	57	42	37	26	22	19	8	4	84	15	15	15	13	13	6	2	88	11	8	8	8	8	6	2	93	6	6	6	6	6	4	0	91	8	6	6	4	4	2	0	97	2	2	2	2	0	0	0
16	48	51	37	35	26	19	13	11	77	22	19	15	11	8	6	4	88	11	11	11	8	6	4	2	91	8	6	6	2	0	0	0	95	4	4	4	4	4	4	0	97	2	2	2	2	2	2	0
23	37	62	53	46	42	31	26	15	64	35	31	28	26	17	15	11	77	22	13	13	8	6	6	4	88	11	11	8	6	6	4	4	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
30	44	55	51	51	44	37	19	15	57	42	39	37	28	26	11	8	71	28	28	24	19	15	6	4	86	13	13	8	6	6	4	2	93	6	4	4	2	0	0	0	100	0	0	0	0	0	0	0
SEP 6	59	39	37	31	26	17	15	6	68	31	31	26	22	15	13	6	75	24	22	17	13	13	11	4	88	11	8	6	6	6	4	2	97	2	2	0	0	0	0	0	97	2	2	0	0	0	0	0
13	59	39	33	33	33	26	19	15	71	28	28	26	26	17	13	11	79	19	19	19	19	15	13	11	84	15	15	11	8	6	2	2	95	4	4	2	2	2	2	2	95	4	4	2	2	0	0	0
20	51	48	46	39	33	28	22	17	66	33	31	19	15	15	13	11	75	24	22	13	13	13	11	8	84	15	15	15	15	11	8	8	91	8	8	8	4	2	2	2	97	2	2	2	2	2	2	2
27	57	42	35	31	22	17	11	11	68	31	26	22	17	13	6	6	77	22	17	13	8	6	2	2	84	15	15	11	11	11	11	8	84	15	15	11	8	6	6	4	95	4	4	0	0	0	0	0
OCT 4	66	33	31	22	22	17	11	6	82	17	15	11	11	8	4	4	88	11	11	6	6	6	4	4	84	15	13	6	4	2	2	2	86	13	11	6	4	2	2	2	97	2	2	0	0	0	0	0
11	68	31	28	26	24	22	15	8	77	22	17	17	15	13	8	4	82	17	17	17	15	11	8	4	91	8	8	4	4	4	4	4	93	6	6	4	4	4	4	4	97	2	2	0	0	0	0	0
18	66	33	26	19	17	11	11	11	77	22	22	15	11	8	8	8	79	19	19	11	8	6	6	6	86	13	13	13	11	6	6	4	91	8	8	8	6	6	6	4	93	6	6	6	4	4	2	2
25	71	28	26	19	13	13	11	8	77	22	22	15	11	8	8	6	82	17	17	13	8	6	6	4	86	13	11	8	8	6	6	6	88	11	8	6	6	4	4	4	93	6	6	4	4	2	2	2
NOV 1	86	13	11	6	4	4	4	4	93	6	6	2	0	0	0	0	93	6	6	2	0	0	0	0	95	4	4	2	0	0	0	0	88	11	11	11	6	6	6	4	95	4	4	4	2	2	2	2
8	95	4	2	2	2	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	95	4	4	2	0	0	0	0	95	4	4	2	0	0	0	0
15	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 36. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Moscow

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C. DROUTH DAYS PER WEEK								2 INCH A.W.H.C. DROUTH DAYS PER WEEK								3 INCH A.W.H.C. DROUTH DAYS PER WEEK								4 INCH A.W.H.C. DROUTH DAYS PER WEEK								5 INCH A.W.H.C. DROUTH DAYS PER WEEK								7 INCH A.W.H.C. DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	91	8	8	0	0	0	0	0	95	4	4	0	0	0	0	0	95	4	4	0	0	0	0	0	95	4	4	0	0	0	0	0	95	4	4	0	0	0	0	0	95	4	4	0	0	0	0	0
8	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	86	13	13	8	8	8	8	8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	82	17	13	13	13	8	4	4	95	4	4	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	82	17	8	8	8	8	4	4	91	8	4	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	69	30	21	13	8	8	8	4	91	8	8	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	78	21	21	13	13	13	8	8	86	13	13	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	78	21	17	4	4	4	4	4	91	8	8	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	52	47	39	26	26	26	17	8	91	8	8	8	8	4	0	0	91	8	8	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	56	43	39	34	21	21	21	17	78	21	17	8	4	0	0	0	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	52	47	43	43	30	26	21	17	60	39	39	26	21	17	13	13	91	8	8	8	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	39	60	52	39	34	26	13	8	65	34	30	26	26	21	13	8	82	17	17	17	17	17	13	8	91	8	8	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	43	56	56	39	34	26	26	17	60	39	39	30	30	17	17	8	82	17	13	13	13	13	13	8	91	8	8	8	8	8	8	8	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	56	43	43	39	39	30	26	13	60	39	34	30	30	26	21	13	78	21	21	21	21	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	100	0	0	0	0	0	0	0
14	47	52	47	47	34	26	21	17	60	39	34	30	26	26	17	13	73	26	26	21	21	21	17	13	82	17	17	17	13	13	8	8	91	8	8	8	8	8	8	8	91	8	8	4	4	0	0	0
21	60	39	39	34	34	30	30	26	65	34	34	34	34	30	30	26	65	34	34	34	30	26	21	17	78	21	21	21	17	17	17	13	82	17	17	13	13	13	8	8	91	8	8	8	8	8	8	8
28	39	60	56	47	39	30	21	17	56	43	43	39	30	21	17	17	56	43	43	39	26	21	17	17	65	34	34	30	26	21	17	13	82	17	17	17	17	17	13	13	91	8	8	8	8	8	8	8
JUL 5	21	78	65	60	47	34	26	13	52	47	47	43	26	21	21	13	60	39	39	34	21	21	21	13	60	39	39	30	17	17	17	13	69	30	30	26	17	17	13	8	82	17	13	13	8	8	8	8
12	21	78	65	65	47	43	43	26	47	52	52	52	39	34	26	17	65	34	34	34	26	26	26	17	69	30	30	30	26	26	26	17	69	30	30	30	21	21	21	17	78	21	17	13	8	6	8	8
19	30	69	65	56	56	43	26	13	34	65	60	47	43	34	21	13	52	47	43	34	34	26	21	13	69	30	30	26	26	21	17	13	73	26	26	26	26	21	17	13	82	17	17	17	17	17	17	13
26	21	78	65	52	39	34	30	30	34	65	56	43	34	30	30	30	39	60	52	39	30	30	26	26	56	43	39	34	21	21	17	17	73	26	26	26	17	17	17	17	78	21	21	21	17	17	17	17
AUG 2	0	99	78	73	65	56	52	43	21	78	69	65	60	47	47	39	34	65	56	52	47	39	39	34	43	56	47	47	34	30	30	26	56	43	34	34	26	21	17	13	73	26	21	17	13	13	13	8
9	17	82	69	65	56	52	43	30	34	65	56	47	47	47	39	26	39	60	52	47	47	43	34	17	47	52	43	39	34	30	21	13	56	43	34	30	30	26	17	8	73	26	17	8	8	8	4	0
16	13	86	82	78	65	56	52	39	21	78	60	52	47	39	39	30	43	56	52	47	47	39	39	30	47	52	47	43	43	34	34	26	52	47	43	39	39	34	30	21	65	34	30	26	21	17	13	8
23	17	82	69	56	52	43	43	26	43	56	47	43	43	39	39	21	52	47	39	39	30	26	26	17	65	34	30	30	30	26	26	17	65	34	30	30	30	26	26	17	69	30	26	26	26	17	17	13
30	17	82	78	69	56	43	26	21	26	73	69	56	47	26	17	13	43	56	56	52	43	26	17	13	56	43	43	43	43	26	17	13	56	43	43	43	43	26	17	13	56	43	43	43	43	26	17	13
SEP 6	30	69	60	52	43	39	30	21	39	60	52	47	39	34	26	21	47	52	43	34	30	30	26	21	56	43	34	30	30	30	26	17	60	39	30	26	26	26	21	17	60	39	30	26	26	26	21	17
13	13	86	78	69	56	39	26	17	39	60	60	47	39	34	21	17	39	60	60	43	39	34	21	17	47	52	47	34	34	30	21	17	52	47	43	34	34	30	21	13	60	39	39	30	30	26	17	13
20	13	86	78	73	60	52	43	39	30	69	69	65	52	43	39	34	34	65	65	60	47	39	34	30	39	60	60	56	43	34	34	26	47	52	52	47	34	26	26	21	56	43	43	39	30	21	21	21
27	21	78	69	65	52	30	26	17	34	65	60	60	47	30	26	17	39	60	56	56	39	26	21	17	43	56	52	52	39	21	21	17	47	52	47	43	30	21	21	17	60	39	34	34	30	21	21	17
OCT 4	39	60	56	52	47	26	21	21	47	52	47	39	34	21	17	17	52	47	43	34	30	17	17	17	56	43	39	30	26	17	17	17	60	39	39	30	26	17	17	17	69	30	30	26	26	17	17	17
11	34	65	60	52	39	39	30	26	60	39	39	34	30	30	26	26	69	30	30	26	21	21	17	17	73	26	26	21	21	21	17	17	73	26	26	21	21	21	17	17	78	21	21	21	21	21	17	17
18	34	65	65	60	47	43	30	30	60	39	39	39	30	30	17	17	60	39	34	34	30	26	13	13	69	30	30	30	26	26	8	8	69	30	30	30	26	26	8	8	69	30	26	26	26	26	8	8
25	39	60	52	47	39	34	30	21	52	47	39	34	30	17	17	13	60	39	30	26	21	17	17	13	65	34	26	21	17	13	13	8	65	34	26	21	17	13	13	8	73	26	17	17	13	13	13	8
NOV 1	69	30	30	21	13	13	13	13	73	26	26	17	8	8	8	8	78	21	21	17	4	4	4	4	82	17	17	8	4	4	4	4	86	13	13	8	4	4	4	4	95	4	4	4	4	4	4	4
8	86	13	4	4	4	4	4	0	86	13	4	4	4	4	4	0	91	8	4	4	4	4	4	0	91	8	4	4	4	0	0	0	95	4	0	0	0	0	0	0	95	4	0	0	0	0	0	0
15	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0	95	4	4	4	0	0	0	0
22	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	91	8	8	8	8	8	8	4	91	8	8	8	8	8	8	0	91	8	8	8	8	8	8	0	91	8	8	8	8	8	8	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0
DEC 6	91	8	8	8	8	8	8	4	91	8	8	8	8	8	8	4	91	8	8	8	8	8	8	4	91	8	8	8	8	8	8	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
13	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
20	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
27	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
JAN 3	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
10	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
17	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
24	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
31	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
FEB 7	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
14	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
21	95	0	0	0	0	0	0	0	95	0	0	0	0	0	0	0	95	0	0	0	0	0	0	0	95	0	0	0	0	0	0	0	95	0	0	0	0	0	0	0	95	0	0	0	0	0	0	0

Table 37. Probability of occurrence of drouth days based on 40 years of record, 1931 through 1970, for Murfreesboro

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	4	4	4	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	4	4	4	4	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	92	7	2	2	0	0	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	82	17	17	17	4	4	2	2	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	82	17	9	7	7	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	65	34	31	21	19	14	12	7	95	4	4	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	48	51	34	26	12	12	12	4	87	12	12	12	9	9	4	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	43	56	39	34	24	24	19	7	82	17	12	9	7	7	7	4	95	4	4	4	2	2	2	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	51	48	48	36	26	19	14	7	80	19	19	17	12	9	9	4	92	7	7	7	7	7	4	2	95	4	4	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	31	68	58	48	34	26	17	14	70	29	29	19	14	12	7	4	90	9	9	7	7	2	0	0	95	4	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	36	63	63	63	58	56	48	31	46	53	51	43	31	26	17	12	73	26	21	17	14	7	7	4	90	9	7	7	2	2	2	2	95	4	2	0	0	0	0	0	100	0	0	0	0	0	0	0
14	24	75	60	53	43	29	24	17	34	65	53	41	31	29	24	14	63	36	24	21	17	17	12	7	80	19	12	7	7	7	7	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
21	29	70	68	63	53	39	24	14	43	56	53	46	41	31	21	12	53	46	41	39	34	26	19	12	73	26	24	21	21	17	12	9	85	14	14	14	12	7	7	4	95	4	2	0	0	0	0	0
28	21	78	68	60	51	39	24	17	36	63	46	43	34	21	14	12	53	46	41	39	31	17	12	9	65	34	31	26	19	12	9	7	78	21	19	17	14	4	2	0	95	4	4	4	4	0	0	0
JUL 5	39	60	58	46	41	29	26	19	53	46	46	41	39	26	19	14	68	31	31	29	26	17	12	7	73	26	24	21	14	9	4	2	85	14	14	12	12	7	4	2	100	0	0	0	0	0	0	0
12	26	73	60	60	56	48	34	21	41	58	46	43	41	36	24	17	51	48	39	36	31	31	21	9	60	39	29	26	24	24	12	2	68	31	21	17	14	9	0	0	95	4	0	0	0	0	0	0
19	17	82	63	58	53	48	36	24	39	60	58	53	51	41	29	19	48	51	46	41	39	31	21	14	60	39	39	39	36	31	21	14	63	36	34	34	31	26	19	9	82	17	14	14	7	7	4	0
26	29	70	65	60	56	43	31	21	43	56	48	46	41	29	21	17	53	46	39	39	34	24	19	17	63	36	36	36	31	19	14	12	73	26	26	26	26	19	14	12	78	21	19	17	12	7	4	4
AUG 2	24	75	70	65	56	46	34	24	39	60	58	56	41	31	21	14	51	48	46	43	34	29	19	12	58	41	39	36	26	21	17	12	63	36	31	26	21	19	14	12	75	24	21	21	19	17	14	9
9	17	82	73	60	51	24	19	7	36	63	53	48	43	24	19	7	43	56	51	43	36	21	19	7	51	48	41	39	34	21	17	7	58	41	36	34	31	19	17	7	66	31	29	26	24	17	17	7
16	24	75	70	56	43	34	26	14	48	51	48	41	36	26	19	9	53	46	43	34	26	21	17	7	58	41	41	34	26	21	14	4	65	34	31	29	19	14	9	2	78	21	21	19	12	7	4	0
23	17	82	80	65	58	56	41	24	34	65	63	53	51	46	26	14	39	60	58	48	46	41	21	12	48	51	46	36	34	29	17	9	53	46	41	36	34	29	17	9	66	31	26	24	21	19	9	7
30	9	90	78	73	56	48	31	19	26	73	60	53	39	31	21	17	31	68	58	51	36	31	21	14	36	63	53	46	34	29	19	12	46	53	43	41	29	24	14	9	60	39	31	31	26	24	14	7
SEP 6	26	73	63	53	48	41	26	21	41	58	51	48	43	34	21	17	43	56	48	46	41	31	19	12	46	53	46	43	39	31	19	12	56	43	41	39	34	29	17	12	68	31	29	29	24	17	14	9
13	26	73	65	56	46	36	21	19	43	56	48	46	39	31	19	17	46	53	46	43	39	31	19	17	46	53	46	43	39	31	19	14	51	48	41	39	34	24	14	12	63	36	29	24	19	17	12	9
20	17	82	70	65	56	46	36	19	36	63	53	48	46	39	29	17	46	53	48	46	41	36	26	14	48	51	46	43	41	36	26	14	51	48	43	41	36	31	21	12	60	39	34	31	31	24	17	7
27	26	73	58	46	43	43	31	26	34	65	48	41	36	36	26	19	46	53	41	34	31	31	24	19	51	48	41	34	31	31	24	19	51	48	41	34	29	29	21	19	65	34	26	21	19	19	14	12
OCT 4	43	56	56	46	36	24	19	17	51	48	48	41	34	24	19	17	56	43	39	34	24	19	17	14	63	36	34	29	21	17	14	12	63	36	34	29	21	17	14	12	70	29	21	19	14	12	9	7
11	51	48	43	39	31	29	21	19	56	43	39	36	31	29	21	19	60	39	34	31	26	24	17	14	63	36	31	29	19	19	14	12	68	31	26	24	19	19	14	12	70	29	24	19	14	14	12	9
18	48	51	46	39	26	24	19	9	56	43	41	36	24	21	17	9	60	39	39	31	21	19	14	7	63	36	34	29	21	19	14	7	73	26	26	24	19	17	12	7	75	24	24	21	17	14	9	7
25	48	51	48	41	34	24	19	14	63	36	36	29	21	17	14	9	68	31	31	24	17	12	9	4	68	31	31	24	17	12	9	4	73	26	26	19	14	9	7	0	75	24	24	14	9	4	2	0
NOV 1	70	29	26	19	12	12	9	9	80	19	17	12	9	9	7	7	82	17	14	9	7	7	4	4	82	17	14	9	7	7	4	4	85	14	12	7	7	7	4	4	87	12	9	7	7	7	4	4
8	85	14	12	7	7	4	4	4	87	12	9	7	7	4	2	2	92	7	4	4	4	2	2	2	92	7	4	4	4	2	2	2	92	7	4	4	4	2	2	2	92	7	4	4	4	2	2	2
15	92	7	7	4	2	2	2	0	95	4	4	4	2	2	2	0	95	4	4	4	2	2	2	0	95	4	4	4	2	2	2	0	95	4	4	4	2	2	2	0	95	4	4	4	2	2	2	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 38. Probability of occurrence of drouth days based on 23 years of record, 1948 through 1970, for Nashville

1-WEEK PERIOD BEGINNING:		1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
		DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
		0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR	1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	29	91	8	8	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR	5	91	8	8	8	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	12	91	8	4	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	19	79	20	12	4	4	4	4	4	91	8	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	26	87	12	8	8	4	4	4	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY	3	58	41	33	24	20	12	12	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	10	58	41	37	33	16	12	8	4	91	8	8	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	17	54	45	45	41	33	20	16	4	79	20	20	16	8	4	4	4	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	24	45	54	37	33	29	20	12	12	75	24	20	12	12	12	12	12	87	12	8	8	4	4	4	4	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	31	33	66	58	54	37	37	20	4	70	29	24	24	12	12	12	4	87	12	8	8	8	8	8	4	91	8	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN	7	25	74	62	62	49	45	29	12	54	45	37	33	29	24	12	8	83	16	12	12	12	8	8	4	95	4	4	4	4	4	4	4	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0
	14	20	79	58	45	41	37	37	33	33	66	49	41	33	33	33	25	66	33	29	24	20	12	12	12	87	12	8	8	4	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
	21	29	70	66	49	37	29	20	16	41	58	58	41	33	29	20	16	58	41	37	24	20	20	12	12	75	24	24	24	16	12	8	8	87	12	12	12	8	8	0	0	100	0	0	0	0	0	0	0
	28	25	74	74	70	54	33	25	12	37	62	62	49	33	16	16	8	54	45	45	33	24	16	16	8	70	29	29	29	20	12	12	4	79	20	16	12	8	8	8	4	91	8	4	4	4	0	0	0
JUL	5	20	79	66	62	58	45	33	29	29	70	54	54	41	37	25	25	41	58	49	45	41	33	20	20	62	37	33	33	33	29	16	12	66	33	24	24	24	20	8	4	91	8	8	8	8	8	4	4
	12	16	83	79	62	45	45	37	16	29	70	62	49	37	37	33	12	37	62	58	45	33	24	20	4	58	41	41	37	24	20	16	4	66	33	29	24	16	16	16	4	83	16	12	12	12	12	8	4
	19	20	79	62	58	45	33	16	8	29	70	54	54	45	33	16	8	37	62	45	45	37	29	12	8	50	49	41	33	29	20	12	8	66	33	29	29	29	20	12	8	75	24	16	12	12	8	4	4
	26	20	79	70	62	45	37	29	20	41	58	54	49	45	37	29	20	45	54	49	45	41	37	29	20	50	49	45	41	37	29	24	16	62	37	37	29	24	20	16	16	70	29	24	20	16	16	12	12
AUG	2	8	91	83	66	62	58	45	20	29	70	70	49	41	29	20	12	37	62	62	33	33	29	20	12	50	49	49	33	33	29	20	12	50	49	49	33	29	24	12	4	70	29	29	16	16	12	12	4
	9	12	87	79	74	49	29	12	4	20	79	70	66	45	24	8	4	33	66	62	62	41	20	8	4	45	54	45	45	33	16	8	4	50	49	45	45	33	16	8	4	66	33	24	24	20	8	4	4
	16	16	83	83	66	58	49	33	29	29	70	70	58	54	45	33	29	33	66	66	54	49	41	33	25	33	66	62	49	45	37	29	20	45	54	49	37	33	29	20	16	66	33	33	24	16	16	12	12
	23	8	91	91	83	62	41	33	16	16	83	79	70	54	33	29	16	20	79	70	66	49	33	29	16	20	79	70	66	49	33	24	16	37	62	54	54	45	29	24	16	50	49	41	37	29	12	8	4
	30	25	74	74	66	62	62	58	41	33	66	66	58	54	54	50	37	33	66	66	54	49	49	45	33	37	62	62	54	49	49	45	33	41	58	58	54	49	45	37	29	54	45	45	41	33	33	29	20
SEP	6	29	70	66	58	49	45	41	37	37	62	62	54	49	41	37	37	41	58	58	49	45	37	33	33	45	54	54	49	45	37	33	33	45	54	54	49	45	37	33	29	58	41	41	37	33	24	20	20
	13	29	70	66	66	54	37	29	16	45	54	54	54	45	33	24	16	45	54	54	49	41	29	24	16	54	45	45	45	41	29	24	16	54	45	45	45	41	29	24	16	62	37	37	33	33	24	20	12
	20	29	70	58	54	49	45	41	29	41	58	49	45	41	33	24	16	45	54	45	37	37	29	24	16	45	54	45	37	33	24	20	16	50	49	41	33	33	24	20	16	50	49	37	29	29	16	12	8
	27	29	70	58	54	49	41	29	20	45	54	45	33	33	20	12	8	58	41	37	29	29	20	12	8	58	41	37	29	29	20	12	8	58	41	37	29	29	20	12	8	58	41	37	29	29	20	12	8
OCT	4	50	49	45	33	29	16	16	8	62	37	33	20	20	8	8	4	70	29	24	16	16	8	8	4	70	29	24	16	16	8	8	4	75	24	20	12	12	8	8	4	75	24	20	12	12	8	8	4
	11	45	54	49	41	33	33	33	20	54	45	41	41	33	33	29	16	58	41	41	33	25	25	25	12	62	37	37	33	25	25	25	12	66	33	33	29	20	20	20	12	66	33	33	29	20	20	20	12
	18	45	54	49	37	24	16	16	16	54	45	41	33	20	16	16	16	58	41	37	29	20	16	16	12	66	33	29	20	12	8	8	8	66	33	24	20	12	8	8	8	70	29	24	20	12	8	8	8
	25	41	58	49	41	33	29	25	12	62	37	33	29	20	20	16	4	62	37	33	29	20	20	12	4	70	29	24	20	12	12	8	0	75	24	20	16	8	8	4	0	75	24	20	16	8	8	4	0
NOV	1	66	33	29	20	16	16	16	12	79	20	16	12	8	4	4	4	83	16	12	8	4	4	4	4	87	12	12	8	4	4	4	4	87	12	12	8	4	4	4	4	87	12	12	8	4	4	4	4
	8	75	24	20	16	16	12	12	8	87	12	12	12	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
	15	87	12	8	8	8	8	8	4	91	8	8	8	8	8	8	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
	22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC	6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN	3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB	7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
	21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 39. Probability of occurrence of drouth days based on 35 years of record, 1936 through 1970, for Neptune

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	88	11	8	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	83	16	16	11	8	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	61	38	33	22	19	16	5	2	94	5	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	55	44	36	22	19	16	13	5	88	11	8	5	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	66	33	30	22	16	8	5	5	86	13	13	13	11	5	5	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	44	55	44	33	27	16	11	11	86	13	13	11	8	8	8	8	88	11	8	8	8	5	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	41	58	55	49	47	30	24	5	72	27	22	19	13	11	11	2	88	11	11	11	8	8	5	0	94	5	5	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	27	72	55	47	44	44	33	25	55	44	36	36	33	27	19	8	80	19	16	13	11	8	2	2	91	8	5	5	2	2	0	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0
14	30	69	63	55	38	22	16	11	58	41	33	30	27	19	13	8	66	33	22	16	13	11	8	8	86	13	11	8	8	5	5	5	94	5	5	5	2	2	2	2	100	0	0	0	0	0	0	0
21	27	72	61	58	52	52	33	25	41	58	47	44	38	38	24	16	61	38	36	33	27	27	16	8	75	24	22	19	16	13	8	5	88	11	11	8	8	5	0	0	100	0	0	0	0	0	0	0
28	16	83	69	63	44	44	19	8	41	58	52	47	33	33	16	8	55	44	38	30	22	22	11	5	75	24	22	19	13	13	8	5	88	11	11	11	11	11	8	5	97	2	2	2	2	2	0	0
JUL 5	25	74	66	49	44	30	22	8	52	47	38	30	27	24	16	5	66	33	24	22	16	16	11	5	83	16	13	13	13	13	8	5	88	11	11	11	11	11	8	5	97	2	2	2	2	0	0	0
12	13	86	80	66	63	38	24	16	30	69	55	47	41	27	24	16	44	55	38	38	27	19	19	11	63	36	30	27	22	16	13	5	80	19	13	11	8	2	2	2	88	11	5	2	2	2	2	2
19	19	80	69	63	52	44	33	22	22	77	58	47	36	33	24	16	47	52	41	36	27	22	19	13	61	38	30	30	22	16	16	11	75	24	22	22	19	13	11	11	88	11	8	8	5	2	2	2
26	25	74	61	49	41	33	24	19	38	61	49	38	33	27	24	16	47	52	47	33	27	22	19	13	61	38	36	33	27	19	16	13	66	33	33	27	22	13	11	8	88	11	11	11	8	8	8	5
AUG 2	22	77	74	58	44	36	27	16	53	66	63	47	38	27	22	13	36	63	58	41	30	24	22	13	52	47	41	33	22	22	19	11	63	36	33	27	19	13	11	5	86	13	11	11	8	8	8	5
9	19	80	72	63	58	47	36	19	36	63	63	55	49	41	27	16	41	58	58	52	47	38	27	16	47	52	49	41	38	33	27	16	61	38	36	36	27	24	22	13	80	19	19	16	13	13	13	8
16	33	66	61	55	38	36	27	19	41	58	47	38	27	24	22	16	47	52	41	36	27	24	22	16	50	49	38	33	24	22	19	13	55	44	30	24	19	16	16	11	75	24	19	16	11	8	8	2
23	19	80	72	69	66	58	44	25	33	66	58	55	49	44	36	22	47	52	47	47	44	41	36	22	47	52	47	47	44	38	33	22	50	49	44	41	38	36	27	19	69	30	27	24	22	19	16	13
30	19	80	74	72	61	47	36	25	33	66	61	55	47	38	27	22	47	52	49	44	36	30	22	16	47	52	47	41	36	30	22	16	50	49	44	38	33	30	19	13	63	36	33	24	19	16	11	11
SEP 6	25	74	72	55	41	38	33	30	33	66	66	49	33	27	25	25	47	52	52	38	30	27	25	25	47	52	52	38	30	27	25	25	50	49	49	36	27	24	22	22	61	36	36	24	22	19	16	16
13	27	72	58	55	49	49	44	30	38	61	52	47	41	38	33	25	44	55	47	44	38	38	33	25	50	49	44	41	36	36	27	25	52	47	41	36	33	33	27	25	63	36	33	30	27	27	22	19
20	27	72	58	52	49	38	30	22	44	55	47	44	41	36	30	19	52	47	38	36	33	30	24	19	55	44	33	33	30	27	22	16	58	41	33	33	30	27	22	16	63	36	27	27	24	19	16	11
27	22	77	63	58	49	41	36	27	41	58	47	44	30	24	22	13	52	47	36	33	24	22	22	13	55	44	33	33	24	22	22	13	58	41	30	30	22	19	19	11	66	33	24	24	16	16	16	8
OCT 4	50	49	49	44	30	27	22	16	61	38	38	33	16	16	11	8	75	24	24	19	8	5	5	5	77	22	22	16	5	5	5	5	80	19	19	16	5	5	5	5	80	19	16	13	2	2	2	2
11	58	41	41	33	27	27	27	25	66	33	33	27	24	24	24	22	75	24	24	16	16	13	13	11	83	16	16	11	8	8	8	8	86	13	13	8	8	8	8	8	88	11	11	8	8	8	8	8
18	50	49	44	33	24	19	19	11	61	38	36	27	24	13	13	11	72	27	24	19	16	11	11	8	77	22	19	16	13	11	11	5	77	22	19	16	13	8	8	5	80	19	16	13	8	5	5	5
25	52	47	38	30	27	24	16	8	72	27	24	19	16	16	11	5	72	27	24	16	13	13	8	2	77	22	19	13	13	13	8	2	77	22	19	13	13	13	8	2	77	22	16	11	11	11	5	0
NOV 1	72	27	22	19	16	13	13	11	88	11	8	8	8	5	5	5	88	11	8	8	8	5	5	5	94	5	2	2	2	2	2	2	94	5	2	2	2	2	2	2	94	5	2	2	2	2	2	2
8	86	13	8	5	5	5	2	0	91	8	5	2	2	2	2	0	91	8	5	2	2	2	2	0	94	5	5	2	2	2	2	0	94	5	5	2	2	2	2	0	94	5	5	2	2	2	2	0
15	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 40. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Newbern

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	4	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	82	17	17	17	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	82	17	17	13	13	8	8	8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	69	30	26	13	8	8	8	4	91	8	8	8	8	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	73	26	17	13	13	13	8	4	95	4	4	4	4	4	4	4	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	47	52	52	34	30	26	17	8	82	17	13	13	8	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	56	43	39	30	26	26	21	17	69	30	30	17	13	8	8	8	91	8	8	4	4	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	47	52	47	34	34	26	17	13	73	26	26	17	17	17	17	13	86	13	13	13	8	8	8	8	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0
24	26	73	56	52	47	30	21	21	69	30	17	17	17	13	8	8	82	17	8	8	8	8	8	8	91	8	4	4	4	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
31	34	65	60	56	47	39	30	26	52	47	43	34	26	17	13	13	82	17	17	17	13	8	4	4	91	8	8	4	4	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
JUN 7	34	65	65	52	52	39	30	30	47	52	52	47	43	34	26	26	60	39	39	21	21	17	6	8	86	13	13	8	8	8	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
14	34	65	56	52	43	34	13	13	52	47	39	34	26	17	13	13	60	39	34	30	17	17	13	13	82	17	17	17	13	13	8	8	91	8	8	8	8	8	8	4	100	0	0	0	0	0	0	0
21	30	69	60	52	47	43	26	17	52	47	39	34	34	30	17	13	65	34	26	21	21	21	13	13	69	30	17	13	8	8	8	8	86	13	13	8	8	4	4	4	95	4	0	0	0	0	0	0
28	30	69	56	47	43	34	26	13	52	47	43	30	30	26	17	13	60	39	34	26	26	21	17	8	65	34	21	17	17	8	4	4	86	13	13	4	4	4	4	4	95	4	4	0	0	0	0	0
JUL 5	30	69	52	47	39	34	34	26	52	47	39	39	26	26	26	17	56	43	34	30	17	17	17	8	69	30	21	17	13	13	13	8	82	17	13	8	8	8	4	0	95	4	4	4	4	4	4	0
12	26	73	60	60	47	43	30	17	60	39	30	26	26	21	13	8	69	30	21	21	21	21	13	4	82	17	17	17	17	17	8	4	82	17	17	13	13	13	8	4	95	4	4	4	4	4	4	0
19	17	82	78	69	52	30	26	13	52	47	47	43	30	13	13	8	69	30	30	26	13	8	4	4	73	26	26	21	8	8	4	4	78	21	21	17	4	4	0	0	91	8	8	4	0	0	0	0
26	21	78	78	73	52	47	34	30	39	60	60	56	43	43	26	17	52	47	47	43	30	30	21	17	56	43	34	30	26	26	17	13	73	26	26	26	26	26	17	13	82	17	13	13	13	8	8	8
AUG 2	4	95	91	86	82	65	56	26	17	82	73	69	65	47	39	21	30	69	65	52	47	39	34	17	43	56	56	43	39	30	26	13	52	47	47	26	21	17	17	4	73	26	26	21	21	17	13	0
9	8	91	82	82	73	69	56	43	13	86	73	69	60	56	52	43	26	73	65	65	56	56	47	39	30	69	52	47	43	39	34	34	52	47	34	34	34	34	30	30	78	21	21	21	21	21	17	17
16	17	82	73	69	56	47	43	30	26	73	69	65	56	47	43	30	30	69	65	65	52	39	34	26	39	60	52	52	47	39	34	26	43	56	52	52	43	26	21	21	73	26	26	26	26	17	13	13
23	13	86	86	73	65	52	39	34	30	69	69	56	56	39	26	21	34	65	60	52	52	39	26	21	34	65	56	47	47	39	26	21	52	47	47	39	39	34	26	21	65	34	34	30	30	26	17	17
30	17	82	78	69	60	52	43	34	34	65	65	65	52	43	39	30	39	60	60	60	52	43	39	30	39	60	60	60	52	43	39	30	43	56	56	56	47	39	34	21	56	43	43	43	39	30	26	17
SEP 6	30	69	69	56	43	30	26	26	43	56	56	43	39	30	26	26	43	56	56	39	34	26	21	21	47	52	52	39	34	26	21	21	52	47	47	34	34	26	21	21	65	34	34	21	21	13	13	13
13	17	82	73	60	56	47	43	30	39	60	52	47	39	30	30	21	43	56	47	43	39	30	30	21	47	52	43	39	34	30	30	21	47	52	43	39	34	30	30	21	60	39	30	26	26	26	26	13
20	30	69	60	56	56	52	43	34	39	60	60	52	47	43	30	21	52	47	47	43	39	34	30	21	52	47	47	43	39	34	30	21	52	47	47	43	39	34	30	21	56	43	39	34	30	26	21	17
27	30	69	65	56	56	52	34	30	43	56	52	43	43	39	30	26	47	52	47	39	39	34	30	26	52	47	43	34	34	30	30	26	56	43	43	34	34	30	30	26	60	39	39	30	30	26	26	21
OCT 4	52	47	39	34	34	30	30	21	65	34	30	26	26	26	21	17	73	26	26	21	21	21	21	17	73	26	26	21	21	21	21	17	73	26	26	21	21	21	21	17	73	26	26	21	21	21	21	13
11	34	65	60	47	39	30	17	17	56	43	43	34	30	26	13	13	69	30	30	30	26	21	13	13	69	30	30	30	26	21	13	13	73	26	26	26	26	21	13	13	73	26	26	26	26	21	13	13
18	52	47	47	43	39	34	26	26	65	34	34	30	26	21	13	8	73	26	26	26	26	17	13	8	73	26	26	26	26	17	13	8	73	26	26	26	26	26	17	13	73	26	26	26	26	26	17	13
25	34	65	56	39	39	30	17	8	56	43	34	21	21	13	4	4	65	34	30	21	21	13	4	4	69	30	26	17	13	8	4	4	69	30	26	17	13	8	4	4	69	30	26	17	13	8	4	4
NOV 1	69	30	30	30	26	17	13	4	78	21	21	21	21	8	8	4	91	8	8	8	8	4	4	4	91	8	8	8	8	4	4	4	91	8	8	8	8	4	4	4	91	8	8	8	8	4	4	4
8	78	21	17	13	13	13	4	0	82	17	13	8	8	8	0	0	86	13	8	4	4	4	0	0	86	13	8	4	4	4	0	0	86	13	8	4	4	4	0	0	86	13	8	4	4	4	0	0
15	86	13	8	4	4	0	0	0	91	8	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 41. Probability of occurrence of drouth days based on 44 years of record, 1927 through 1970, for Newport

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	95	4	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	4	4	4	4	4	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	2	2	2	2	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	91	8	6	4	4	2	2	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	82	17	15	15	11	8	4	4	97	2	2	2	2	2	2	2	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	11	8	4	4	4	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	73	26	24	17	15	11	4	4	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	64	35	28	24	17	13	4	2	91	8	6	6	4	4	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0
17	57	42	35	26	24	17	13	11	91	8	8	6	6	6	4	4	95	4	4	4	4	4	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0
24	59	39	31	19	15	11	6	4	88	11	11	8	8	4	4	2	93	6	4	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	100	0	0	0	0	0	0	0
31	48	51	48	39	33	22	17	11	75	24	19	15	13	8	6	4	91	8	8	6	6	4	4	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2
JUN 7	39	59	53	44	35	26	13	6	59	39	35	31	22	13	11	6	82	17	15	11	6	2	2	2	95	4	4	2	2	2	2	2	97	2	2	2	2	2	2	2	97	2	2	2	2	2	2	2
14	46	53	48	39	33	26	17	8	64	35	31	22	17	17	13	6	77	22	19	17	13	11	6	4	88	11	6	6	6	4	4	2	95	4	2	2	2	2	2	2	97	2	2	2	2	2	2	2
21	39	59	53	46	35	24	19	17	59	39	35	26	24	19	17	15	75	24	22	17	17	17	15	13	79	19	17	15	13	13	13	11	86	13	11	8	8	6	6	4	97	2	2	2	2	2	2	2
28	28	71	66	48	44	33	24	4	48	51	46	35	31	22	15	4	66	33	31	26	19	17	11	4	77	22	19	19	17	15	8	4	86	13	13	13	11	11	6	4	91	8	6	4	4	2	2	2
JUL 5	37	62	53	44	33	24	19	8	57	42	35	33	24	22	17	8	75	24	19	19	17	17	13	6	77	22	15	15	11	8	8	4	84	15	11	8	6	6	6	2	93	6	6	6	4	4	4	2
12	39	59	55	33	28	24	13	11	64	35	33	24	22	17	8	8	71	28	24	19	15	11	4	4	82	17	15	11	11	8	2	2	88	11	6	4	4	4	2	2	95	4	4	4	4	2	2	2
19	33	66	57	46	33	28	15	8	55	44	39	28	17	13	6	4	68	31	24	19	13	8	6	4	79	19	17	13	6	4	4	4	86	13	11	6	4	4	4	4	95	4	4	4	2	2	2	2
26	26	73	59	51	39	24	11	6	57	42	37	35	24	22	8	4	66	33	28	26	17	13	6	4	73	26	24	22	13	11	6	4	79	19	19	15	11	11	4	2	93	6	4	4	2	2	2	2
AUG 2	35	64	55	44	31	31	19	6	53	46	42	31	26	22	15	2	64	35	35	26	24	19	13	2	73	26	24	17	15	13	11	2	79	19	17	13	11	11	11	2	91	8	8	6	4	2	2	0
9	42	57	53	46	37	19	15	8	59	39	33	28	24	15	8	2	75	24	19	17	13	8	8	2	79	19	17	13	11	6	6	0	86	13	11	8	8	6	6	0	93	6	4	4	4	2	2	0
16	35	64	57	48	37	24	8	4	53	46	35	28	24	13	4	2	66	33	28	19	17	11	4	2	79	19	17	13	13	11	4	2	79	19	17	11	8	6	4	2	93	6	4	2	2	2	2	0
23	33	66	53	51	46	42	35	17	53	46	39	39	31	28	22	13	64	35	24	24	17	17	13	8	73	26	19	19	15	15	11	4	77	22	15	15	11	11	8	4	82	17	11	11	11	11	8	4
30	28	71	64	59	55	46	33	17	46	53	48	46	39	33	22	13	51	48	35	33	28	26	17	11	64	35	26	26	22	15	13	8	73	26	19	19	15	13	11	8	84	15	13	13	11	11	11	8
SEP 6	31	68	64	55	37	31	24	17	44	55	53	42	31	22	17	13	53	46	42	35	26	22	17	13	62	37	33	26	22	17	15	13	73	26	26	22	17	13	11	8	82	17	17	13	13	8	8	6
13	22	77	68	62	57	51	46	37	35	64	55	46	44	39	35	28	42	57	51	44	44	39	35	26	51	48	42	39	39	33	28	22	55	44	37	33	33	26	22	17	73	26	22	19	17	13	8	6
20	28	71	62	53	51	42	35	19	39	59	48	44	44	37	31	17	42	57	46	42	42	33	28	15	48	51	42	39	39	33	26	13	53	46	37	35	35	28	24	11	68	31	24	19	17	11	8	4
27	33	66	55	42	33	22	17	13	44	55	46	33	26	19	17	13	53	46	42	31	26	19	15	13	55	44	39	28	26	19	13	13	57	42	37	26	24	17	11	8	73	26	22	17	15	11	8	8
OCT 4	62	37	33	26	26	19	15	8	64	35	28	22	22	15	11	6	64	35	28	19	19	13	11	6	66	33	24	17	17	13	11	6	73	26	22	17	17	13	11	6	82	17	15	11	11	8	6	4
11	59	39	35	35	28	24	22	11	62	37	33	33	28	24	22	11	64	35	31	31	26	22	19	11	66	33	28	28	24	19	17	11	71	28	24	24	19	15	13	8	77	22	17	17	11	8	8	2
18	55	44	33	26	22	17	13	13	59	39	33	26	19	15	13	13	62	37	33	26	19	15	13	13	64	35	31	26	19	15	13	13	71	28	26	24	19	15	13	13	75	24	22	19	17	13	11	11
25	71	28	26	24	17	15	11	8	73	26	24	22	15	13	11	8	73	26	24	22	15	13	11	8	73	26	24	22	15	13	11	8	75	24	22	17	11	8	8	6	79	19	19	17	11	8	8	6
NOV 1	86	13	11	8	6	0	0	0	86	13	11	8	6	0	0	0	86	13	11	8	6	0	0	0	86	13	11	8	6	0	0	0	86	13	11	8	6	0	0	0	91	8	6	6	4	0	0	0
8	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2	95	4	2	2	2	2	2	2
15	95	4	4	4	4	4	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0	95	4	4	4	4	2	2	0
22	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0	97	2	2	2	2	2	2	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 42. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Oak Ridge

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C. DROUTH DAYS PER WEEK								2 INCH A.W.H.C. DROUTH DAYS PER WEEK								3 INCH A.W.H.C. DROUTH DAYS PER WEEK								4 INCH A.W.H.C. DROUTH DAYS PER WEEK								5 INCH A.W.H.C. DROUTH DAYS PER WEEK								7 INCH A.W.H.C. DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	91	8	8	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	78	21	17	8	8	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	82	17	17	4	4	4	4	4	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	65	34	30	26	17	17	8	8	91	8	4	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	52	47	43	26	17	17	13	4	91	8	8	8	8	8	8	4	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	47	52	34	30	26	26	21	13	86	13	8	4	4	4	4	4	91	8	8	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	52	47	39	30	21	17	8	4	82	17	13	13	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	56	43	39	21	17	13	8	8	78	21	17	8	4	4	0	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	47	52	47	47	39	26	21	4	65	34	26	26	17	8	8	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	43	56	47	39	39	26	26	13	65	34	30	26	26	17	17	8	82	17	13	13	13	4	0	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	43	56	47	30	26	13	13	13	56	43	30	21	21	13	13	13	78	21	21	17	13	8	8	8	91	8	8	8	8	4	4	4	95	4	4	4	4	0	0	0	100	0	0	0	0	0	0	0
28	26	73	60	60	34	30	30	4	60	39	30	30	17	17	17	4	65	34	26	21	13	13	13	4	86	13	13	13	8	8	8	4	86	13	4	4	4	4	4	0	100	0	0	0	0	0	0	0
JUL 5	21	78	56	43	43	30	13	8	52	47	43	39	34	30	13	4	65	34	26	21	21	17	8	4	73	26	21	17	13	8	0	0	86	13	8	8	8	4	0	0	95	4	4	4	0	0	0	0
12	43	56	39	30	26	21	13	8	65	34	21	21	17	17	8	4	69	30	21	17	17	17	4	0	78	21	13	13	13	13	4	0	82	17	13	13	13	4	0	0	95	4	4	4	4	4	0	0
19	34	65	56	43	30	26	21	8	56	43	43	30	17	8	4	4	69	30	30	21	4	4	4	4	73	26	21	8	4	4	4	4	82	17	17	8	4	4	4	4	91	8	8	0	0	0	0	0
26	34	65	56	56	47	34	8	4	47	52	43	34	30	26	8	4	52	47	43	34	21	17	0	0	69	30	26	17	17	17	0	0	82	17	13	8	8	8	0	0	95	4	4	4	4	4	0	0
AUG 2	13	86	82	73	52	34	13	8	30	69	69	52	39	30	13	8	52	47	47	43	34	30	13	8	56	43	39	34	30	17	4	4	73	26	26	21	17	13	0	0	95	4	4	4	4	4	0	0
9	26	73	60	47	43	39	26	13	43	56	47	39	34	26	13	4	69	30	26	21	21	21	4	4	69	30	26	21	17	17	4	4	69	30	26	13	8	8	4	4	86	13	13	4	0	0	0	0
16	30	69	69	56	43	26	17	8	52	47	43	39	30	21	13	8	65	34	30	26	21	17	13	8	73	26	26	21	21	17	13	8	73	26	26	21	21	17	13	8	86	13	13	8	4	4	4	0
23	21	78	69	56	47	30	26	21	47	52	47	39	34	30	21	17	65	34	30	30	30	26	21	17	73	26	21	21	21	21	17	17	78	21	21	21	21	21	17	17	82	17	17	17	17	13	8	8
30	8	91	82	78	60	47	43	21	30	69	60	60	43	26	26	13	52	47	43	43	39	21	21	13	69	30	30	30	30	17	17	8	73	26	26	26	26	17	17	8	73	26	26	21	21	17	17	4
SEP 6	17	82	78	69	52	43	34	17	26	73	69	56	52	34	26	13	43	56	47	39	30	26	17	4	60	39	34	30	26	21	13	4	69	30	30	26	21	17	13	4	73	26	26	21	17	8	4	4
13	34	65	60	60	56	52	39	26	39	60	52	52	52	43	34	26	39	60	52	47	47	30	26	21	65	34	30	30	30	21	13	13	69	30	21	17	17	13	8	8	82	17	17	17	17	13	8	8
20	34	65	60	52	39	34	34	30	52	47	43	43	34	30	30	26	52	47	43	43	34	30	30	26	56	43	43	39	26	21	17	17	73	26	26	26	17	13	13	13	91	8	8	8	4	4	4	4
27	39	60	43	39	34	34	26	17	56	43	26	26	26	26	17	13	60	39	21	21	21	21	17	13	65	34	21	21	21	21	17	13	78	21	17	17	17	17	17	13	86	13	8	8	8	8	8	4
OCT 4	47	52	47	43	39	26	17	8	56	43	39	34	34	21	17	8	60	39	34	30	30	21	17	8	69	30	30	26	26	17	17	8	73	26	17	13	13	4	4	4	91	8	8	8	8	4	4	4
11	56	43	39	39	39	30	26	17	69	30	26	26	26	17	17	13	73	26	21	21	21	17	17	13	78	21	21	17	17	17	17	13	82	17	17	17	17	17	13	13	95	4	4	4	4	4	4	4
18	56	43	34	21	17	17	13	13	69	30	17	13	13	8	8	8	78	21	17	13	13	8	8	8	78	21	17	13	13	8	8	8	82	17	13	13	13	8	8	8	86	13	8	8	8	4	4	4
25	56	43	34	30	30	30	17	17	69	30	30	21	21	21	17	17	69	30	30	21	17	17	17	17	73	26	26	17	17	17	17	17	82	17	17	13	13	13	13	13	86	13	13	8	8	8	8	8
NOV 1	69	30	26	26	13	8	8	8	86	13	8	8	8	8	8	8	86	13	8	8	8	8	8	8	91	8	8	8	8	8	8	8	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
8	86	13	4	4	4	4	4	0	86	13	4	4	4	4	4	0	86	13	4	4	4	4	4	0	86	13	4	4	4	4	4	0	91	8	4	4	4	4	4	0	91	8	4	4	4	4	4	0
15	91	8	8	8	8	4	0	0	91	8	8	8	8	4	0	0	91	8	8	8	8	4	0	0	91	8	8	8	8	4	0	0	95	4	4	4	4	4	0	0	95	4	4	4	4	4	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 43. Probability of occurrence of drouth days based on 44 years of record, 1927 through 1970, for Palmetto

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	4	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	4	4	4	4	0	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	86	13	13	4	2	2	2	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	77	22	11	8	8	6	4	4	95	4	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	11	11	6	6	6	4	97	2	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	64	35	31	24	22	13	11	2	95	4	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	55	44	39	28	17	13	4	4	91	8	8	8	6	6	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	44	55	39	35	31	17	15	11	84	15	15	13	11	8	6	2	93	6	4	4	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	53	46	35	24	17	15	15	11	84	15	11	8	8	6	6	2	93	6	6	6	6	6	6	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	44	55	44	35	31	24	22	13	73	26	19	17	13	11	8	6	95	4	4	4	2	2	2	2	95	4	4	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	39	59	55	46	33	28	26	15	57	42	39	31	19	17	13	6	73	26	24	17	6	4	2	2	97	2	2	2	2	2	2	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	39	59	55	42	37	28	17	11	53	46	39	31	31	22	13	8	73	26	26	24	22	13	8	6	88	11	11	11	11	6	4	2	93	6	4	2	2	2	2	2	100	0	0	0	0	0	0	0
21	37	62	48	42	26	26	15	13	59	39	33	28	17	17	11	11	66	33	28	19	15	15	8	8	75	24	19	13	11	8	4	2	91	8	6	6	6	6	2	2	97	2	2	0	0	0	0	0
28	35	64	55	48	37	26	11	4	51	48	42	33	24	11	2	0	64	35	26	22	17	6	2	0	75	24	19	17	15	4	2	0	84	15	11	6	6	2	2	0	97	2	2	2	2	2	2	2
JUL 5	42	57	53	39	26	19	17	11	64	35	33	26	19	15	11	4	77	22	19	17	13	11	8	2	82	17	13	11	8	6	4	2	95	4	4	2	2	0	0	0	97	2	2	2	2	2	2	0
12	44	55	51	48	44	37	28	19	59	39	33	31	28	19	11	8	73	26	22	22	22	15	8	6	79	19	13	13	13	11	8	6	88	11	11	8	6	4	2	0	97	2	2	2	2	2	2	2
19	22	77	59	46	39	28	17	8	55	44	35	33	26	24	13	6	59	39	33	28	19	15	4	2	75	24	19	15	8	8	4	2	88	11	8	8	8	8	6	4	97	2	2	2	2	2	2	2
26	28	71	62	57	42	37	31	19	55	44	37	33	28	26	22	13	64	35	31	28	26	24	19	11	71	28	26	22	22	19	17	11	86	13	13	8	8	8	4	2	91	8	6	6	6	6	4	0
AUG 2	22	77	75	68	51	46	22	15	46	53	48	46	42	35	13	11	57	42	37	31	26	26	11	11	64	35	31	28	26	24	11	11	77	22	17	15	13	13	11	6	93	6	4	4	4	4	4	4
9	22	77	73	62	48	35	28	11	44	55	53	51	44	31	26	11	51	48	46	42	35	26	22	8	59	39	37	33	26	17	15	4	73	26	24	22	17	17	6	6	86	11	11	8	8	8	2	2
16	28	71	66	57	37	26	19	15	44	55	51	48	28	19	15	11	57	42	42	39	24	15	13	8	59	39	37	33	17	8	6	4	64	35	35	26	19	11	11	2	88	11	11	8	6	2	2	0
23	22	77	77	73	57	53	33	24	31	68	64	59	48	42	24	17	35	64	59	57	46	39	24	15	42	57	53	51	39	33	22	15	71	28	28	28	15	6	6	4	84	15	11	11	11	4	4	2
30	15	84	75	68	55	51	37	26	31	68	64	59	51	44	35	24	35	64	57	53	44	42	33	24	39	59	55	51	42	39	31	22	48	51	46	42	28	22	11	6	75	24	24	22	15	11	6	4
SEP 6	28	71	62	57	48	42	28	19	42	57	51	46	39	35	24	17	51	48	48	44	37	33	22	13	57	42	42	37	33	28	19	11	46	53	51	48	42	39	31	19	68	31	28	28	22	22	17	11
13	28	71	68	62	57	51	44	26	42	57	55	51	48	42	33	22	51	48	46	39	35	28	24	15	57	42	42	35	33	26	22	11	57	42	39	35	31	26	19	11	73	26	26	24	24	19	11	6
20	26	73	73	59	51	48	39	31	42	57	57	51	42	39	31	26	51	48	46	39	39	35	24	22	59	39	37	31	26	24	19	17	64	35	35	31	28	22	17	8	71	28	26	22	22	15	11	6
27	22	77	71	59	48	33	24	19	46	53	48	44	35	26	19	15	53	46	42	37	31	26	19	15	57	42	39	33	24	22	19	15	64	35	33	24	24	22	17	13	71	28	26	19	19	17	8	6
OCT 4	53	46	46	42	33	26	24	17	64	35	35	33	24	17	15	11	68	31	31	28	19	15	13	11	71	28	28	26	17	15	11	8	64	35	35	26	19	17	15	13	75	24	24	24	17	15	13	11
11	64	35	35	35	31	26	17	17	68	31	31	31	28	24	15	13	71	28	28	28	26	22	13	8	73	26	26	26	24	19	11	8	75	24	24	22	13	11	8	6	84	15	15	15	11	11	8	6
18	55	44	37	35	28	26	24	13	64	35	28	28	24	22	17	8	68	31	24	24	19	17	17	8	71	28	22	22	19	17	17	8	75	24	24	24	19	17	8	6	84	15	15	15	13	11	8	6
25	51	48	42	33	31	24	19	17	68	31	28	24	24	17	13	13	71	28	26	22	22	15	11	11	71	28	26	22	22	15	11	11	73	26	17	17	15	15	15	6	86	13	13	13	11	11	11	4
NOV 1	68	31	26	17	13	13	13	8	79	19	17	11	6	6	6	2	79	19	17	11	6	6	6	2	79	19	17	11	6	6	6	2	71	28	26	19	19	13	8	8	88	11	8	6	6	2	0	0
8	88	11	6	6	6	4	4	4	93	6	6	6	6	4	4	4	93	6	6	6	6	4	4	4	93	6	6	6	6	4	4	4	79	19	17	11	6	6	6	2	91	8	6	4	4	4	4	0
15	93	6	4	4	2	2	2	0	93	6	4	4	2	2	2	0	93	6	4	4	2	2	2	0	93	6	4	4	2	2	2	0	93	6	6	6	6	4	4	4	93	6	6	6	6	4	4	4
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	93	6	4	4	2	2	2	0	93	6	4	4	2	2	2	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 44. Probability of occurrence of drouth days based on 33 years of record, 1938 through 1970, for Paris

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	91	8	5	5	5	5	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	94	5	5	5	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	91	8	5	5	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	88	11	8	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	64	35	26	23	14	11	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	61	38	29	23	20	14	11	8	91	8	5	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	67	32	29	23	14	11	8	5	82	17	14	11	8	8	5	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	61	38	35	35	23	11	11	11	79	20	17	17	11	8	8	5	91	8	5	5	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	29	70	52	49	41	32	23	17	70	29	23	20	14	11	8	8	82	17	11	5	5	5	5	5	94	5	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	32	67	58	49	41	38	32	23	44	55	44	29	17	14	14	11	79	20	20	8	5	5	5	2	91	8	5	5	2	2	2	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	44	55	47	44	29	17	14	8	55	44	32	32	26	17	14	8	73	26	17	17	14	5	2	0	91	8	2	2	2	0	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	35	64	61	55	44	35	26	23	50	49	41	41	32	29	20	17	55	44	32	29	23	20	17	11	85	14	11	11	8	8	5	5	94	5	2	2	2	2	2	2	100	0	0	0	0	0	0	0
28	23	76	64	55	52	49	32	14	38	61	52	47	35	35	20	14	52	47	41	35	35	32	17	11	64	35	29	23	23	23	11	8	85	14	11	8	8	5	2	2	97	2	2	0	0	0	0	0
JUL 5	26	73	61	44	38	26	20	14	44	55	44	35	32	23	17	11	52	47	38	26	20	11	8	8	64	35	29	20	17	11	5	5	76	23	17	11	11	8	5	5	97	2	2	2	2	2	2	2
12	32	67	64	52	44	41	23	8	47	52	47	44	38	35	23	8	52	47	44	38	32	26	17	2	64	35	32	23	23	23	14	2	73	26	20	20	20	20	11	0	91	8	5	5	2	2	2	0
19	17	82	73	73	64	52	41	20	32	67	61	55	49	41	32	17	44	55	52	49	47	41	32	14	55	44	44	41	38	32	26	14	61	38	32	26	23	20	20	14	85	14	11	11	11	11	8	6
26	17	82	79	76	67	58	38	23	26	73	70	64	55	49	32	20	35	64	61	55	44	41	26	14	44	55	52	49	41	38	26	14	58	41	38	35	29	26	17	14	76	23	20	17	11	8	2	2
AUG 2	11	88	76	64	55	47	44	38	32	67	61	55	49	44	41	32	35	64	58	55	49	41	35	26	38	61	52	49	44	35	32	20	50	49	44	38	29	26	20	14	76	23	20	17	17	11	8	5
9	23	76	73	70	64	52	44	32	26	73	67	61	55	44	41	26	32	67	64	55	49	41	38	26	38	61	58	52	47	35	35	26	44	55	49	41	35	35	35	26	67	32	29	29	26	20	17	17
16	26	73	64	61	49	32	29	20	38	61	55	49	41	29	29	20	38	61	52	49	41	29	29	20	38	61	52	49	38	26	26	20	44	55	47	44	35	26	26	20	64	35	29	26	20	14	14	8
23	14	85	79	70	58	47	32	17	38	61	52	52	44	35	26	17	41	58	49	49	41	35	26	17	41	58	49	49	41	35	26	17	47	52	49	49	41	35	26	14	55	44	38	38	32	20	17	11
30	17	82	76	61	58	58	47	29	32	67	64	52	52	52	41	20	38	61	58	44	44	44	35	20	41	58	55	44	44	44	35	20	41	58	55	44	44	41	32	20	50	49	49	38	38	38	29	17
SEP 6	26	73	58	49	41	32	26	26	38	61	49	47	38	26	20	17	44	55	44	38	29	20	17	17	50	49	38	35	29	20	17	17	50	49	38	35	29	20	17	14	55	44	35	29	26	17	14	14
13	29	70	61	55	49	44	29	20	47	52	52	47	44	38	26	20	47	52	52	47	44	38	23	14	52	47	47	41	38	32	20	14	52	47	47	41	38	32	20	14	58	41	41	35	32	26	20	11
20	32	67	64	58	52	44	32	20	41	58	55	41	32	26	20	8	50	49	47	38	32	26	20	8	50	49	47	35	29	23	17	8	52	47	44	35	29	23	17	8	55	44	41	29	23	17	14	5
27	35	64	52	47	44	38	32	17	44	55	44	41	41	35	29	14	55	44	41	38	38	32	26	11	55	44	41	38	38	32	26	11	55	44	41	38	38	32	26	11	58	41	38	35	35	32	26	11
OCT 4	50	49	47	41	38	29	23	17	61	38	35	29	29	17	14	14	64	35	32	26	26	14	11	11	67	32	29	23	23	14	8	8	67	32	29	23	23	14	8	8	70	29	26	20	17	11	8	8
11	55	44	44	32	29	26	23	17	64	35	32	29	26	23	20	14	67	32	29	26	23	20	17	14	70	29	26	23	20	17	17	14	73	26	26	23	20	17	17	14	76	23	23	20	17	14	14	11
18	52	47	47	44	44	38	32	14	67	32	32	29	29	23	20	8	73	26	26	23	23	20	17	8	73	26	26	23	23	20	17	8	76	23	23	23	23	20	17	8	76	23	23	23	23	17	14	5
25	61	38	32	26	17	17	14	14	67	32	29	23	11	11	5	5	76	23	20	14	8	8	5	5	76	23	20	14	8	8	5	5	76	23	20	14	8	8	5	5	76	23	20	14	8	8	5	5
NOV 1	73	26	20	20	17	14	11	11	82	17	14	11	8	8	5	5	88	11	8	8	5	5	2	2	88	11	8	8	5	5	2	2	88	11	8	8	5	5	2	2	88	11	8	8	5	5	2	2
8	91	8	5	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	85	14	5	2	0	0	0	0	91	8	2	0	0	0	0	0	94	5	2	0	0	0	0	0	94	5	2	0	0	0	0	0	94	5	2	0	0	0	0	0	94	5	2	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 45. Probability of occurrence of drouth days based on 44 years of record, 1927 through 1970, for Rogersville

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	91	8	4	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	84	15	13	11	6	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	77	22	15	8	6	6	6	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	66	33	24	15	13	13	11	6	95	4	2	2	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	55	44	35	33	24	22	15	8	88	11	8	8	8	8	4	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	59	39	37	33	28	22	15	13	79	19	13	13	13	8	6	2	93	6	6	4	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	55	44	28	22	17	13	8	4	75	24	22	19	15	11	8	4	91	8	8	8	8	4	4	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	37	62	53	46	37	19	15	11	71	28	24	22	19	4	4	4	86	13	11	11	8	2	0	0	95	4	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	31	68	55	46	39	31	24	13	59	39	35	26	22	17	11	2	79	19	13	6	6	4	4	0	91	8	8	4	4	0	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	37	62	57	44	31	22	11	11	53	46	37	28	19	15	6	6	71	28	24	19	15	8	4	2	88	11	8	6	6	6	2	2	95	4	2	2	2	2	2	2	100	0	0	0	0	0	0	0
21	42	57	46	44	35	22	15	13	57	42	35	31	24	19	15	13	68	31	26	22	15	13	11	11	82	17	13	13	11	6	4	4	93	6	6	6	6	2	2	2	100	0	0	0	0	0	0	0
28	71	57	44	39	35	26	11	11	53	46	37	33	22	19	17	8	62	37	26	24	19	17	13	8	77	22	17	15	11	8	8	8	84	15	11	11	6	4	4	2	95	4	2	2	2	0	0	0
JUL 5	35	64	46	39	28	26	19	8	51	48	35	33	24	22	17	6	68	31	28	26	17	15	13	6	79	19	17	15	13	13	11	6	86	13	11	11	8	8	8	6	97	2	0	0	0	0	0	0
12	42	57	44	28	24	22	13	8	62	37	33	19	17	15	8	4	71	28	26	17	15	15	8	4	77	22	19	13	13	13	6	2	84	15	15	11	11	8	4	2	95	4	4	4	4	4	0	0
19	37	62	53	42	31	17	8	4	59	39	33	28	22	13	6	4	68	31	26	24	19	8	4	2	75	24	17	15	11	4	4	2	84	15	13	11	8	4	4	2	95	4	4	4	4	2	2	0
26	31	68	57	44	39	31	17	13	57	42	35	28	26	22	13	8	71	28	24	24	22	17	13	8	75	24	22	22	19	17	11	4	84	15	13	13	11	6	6	2	91	8	6	6	6	2	2	0
AUG 2	26	73	62	46	37	33	19	15	53	46	44	37	31	24	17	13	59	39	37	31	24	19	15	8	68	31	28	22	17	15	13	8	75	24	19	15	13	13	11	6	88	11	11	8	8	8	6	4
9	22	77	66	59	51	37	31	13	53	46	44	37	33	22	19	13	62	37	35	31	28	19	17	8	68	31	31	26	24	17	15	8	71	28	24	19	15	13	8	4	66	13	13	11	11	8	2	2
16	35	64	53	48	33	22	13	6	48	51	42	33	22	13	6	2	64	35	28	26	17	11	4	2	71	28	22	17	13	8	4	2	75	24	19	15	11	6	2	2	93	6	6	4	2	2	0	0
23	28	71	57	48	44	28	24	15	46	53	42	37	33	22	19	11	62	37	31	31	28	15	15	8	64	35	28	26	24	13	13	8	73	26	22	22	19	13	13	8	86	13	8	6	6	6	6	2
30	17	82	75	66	55	39	22	19	42	57	46	42	35	26	17	15	57	42	35	28	24	19	13	11	66	33	31	26	22	19	13	11	73	26	24	22	17	13	8	8	86	13	13	11	11	8	4	2
SEP 6	26	73	66	59	44	37	26	15	44	55	46	42	33	31	22	8	62	37	28	28	22	22	15	6	73	26	22	22	17	17	13	4	75	24	19	19	15	15	13	4	84	15	13	11	11	11	8	2
13	17	82	71	62	57	48	33	26	31	68	57	51	46	37	26	22	46	53	46	42	39	33	22	15	59	39	35	28	28	26	17	13	66	33	31	26	26	24	17	13	73	26	24	22	22	19	13	8
20	31	68	59	55	48	42	28	19	42	57	51	46	44	35	19	13	51	48	42	35	35	28	17	11	64	35	28	26	26	22	13	8	68	31	26	24	22	17	8	6	77	22	19	19	19	15	6	4
27	31	68	64	53	42	35	26	13	39	59	55	46	37	33	19	11	46	53	48	39	31	22	13	8	57	42	39	35	26	19	13	8	66	33	33	28	22	17	13	8	73	26	22	19	17	13	8	4
OCT 4	46	53	48	39	33	26	17	15	55	44	42	35	31	24	15	13	55	44	42	35	28	22	15	13	66	33	31	28	19	15	15	13	75	24	22	22	15	13	13	11	79	19	17	17	15	13	13	11
11	51	48	46	46	39	37	28	17	66	33	31	31	28	28	24	15	68	31	31	31	31	28	24	15	73	26	26	24	24	22	17	8	82	17	15	13	13	13	11	4	86	13	13	13	13	13	11	4
18	46	53	44	37	31	19	15	11	57	42	39	35	28	19	15	11	59	39	39	35	28	19	15	11	68	31	31	28	26	17	15	11	73	26	24	24	24	17	15	11	84	15	15	15	15	15	13	8
25	59	39	35	33	28	19	17	13	68	31	31	28	24	17	15	13	68	31	31	28	24	17	15	13	68	31	31	28	22	13	11	8	75	24	24	22	13	8	8	6	84	15	15	13	8	6	6	4
NOV 1	77	22	17	13	8	2	2	2	79	19	15	13	8	2	2	2	82	17	13	11	6	2	2	2	82	17	13	11	6	2	2	2	86	13	13	11	6	2	2	2	93	6	6	4	2	2	2	2
8	93	6	4	4	4	2	2	2	93	6	4	4	4	2	2	2	93	6	4	4	4	2	2	2	93	6	4	4	4	2	2	2	93	6	4	4	4	2	2	2	95	4	4	4	4	2	2	2
15	91	8	6	6	6	6	4	2	93	6	6	6	6	6	4	2	93	6	6	6	6	6	4	2	93	6	6	6	6	6	4	2	93	6	6	6	6	4	2	2	95	4	4	4	4	2	2	0
22	93	6	2	2	2	2	2	0	93	6	2	2	2	2	2	0	93	6	2	2	2	2	2	0	93	6	2	2	2	2	2	0	95	4	2	2	2	2	2	0	97	2	2	2	2	2	2	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 46. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Samburg

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	90	9	6	6	6	6	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	93	6	6	4	2	2	2	2	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	90	9	6	4	2	0	0	0	97	2	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	88	11	9	6	4	4	2	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	68	31	31	22	15	4	4	2	95	4	4	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	65	34	22	13	13	9	9	9	86	13	9	6	4	2	2	2	95	4	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	68	31	27	13	11	11	4	4	90	9	6	6	6	6	2	2	95	4	4	4	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	59	40	31	22	13	11	9	6	86	13	11	9	6	6	4	4	93	6	4	4	4	4	2	2	95	4	4	4	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	54	45	43	34	27	24	13	11	79	20	20	20	11	9	6	4	86	13	11	11	4	2	2	0	95	4	4	4	2	2	2	0	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	52	47	45	40	34	31	27	18	63	36	24	22	20	15	13	11	79	20	13	11	6	4	4	4	90	9	6	6	4	2	0	0	95	4	2	0	0	0	0	0	100	0	0	0	0	0	0	0
14	56	43	40	36	31	29	20	9	63	36	36	31	27	27	20	9	75	24	20	15	13	13	11	4	93	6	6	6	6	4	2	2	95	4	4	4	4	4	2	2	100	0	0	0	0	0	0	0
21	43	56	52	45	34	27	20	9	56	43	38	36	27	22	15	6	65	34	29	27	18	18	11	4	79	20	18	13	9	9	4	2	95	4	4	4	2	2	2	2	97	2	2	2	2	2	0	0
28	47	52	49	45	40	38	27	18	54	45	38	29	29	24	20	13	65	34	31	27	27	22	16	13	75	24	24	20	20	18	13	9	81	18	15	13	13	9	4	4	97	2	2	2	2	2	2	2
JUL 5	43	56	47	45	38	29	27	15	52	47	40	36	31	24	20	15	59	40	31	31	27	20	18	13	68	31	24	22	22	13	13	11	72	27	20	20	15	9	9	6	93	6	6	6	4	4	4	2
12	45	54	47	43	36	29	22	13	54	45	36	36	31	24	18	11	61	38	31	31	27	20	13	11	65	34	24	24	22	15	11	9	75	24	18	18	18	11	9	6	86	13	13	11	11	4	2	0
19	47	52	49	45	40	31	27	15	54	45	43	38	34	24	20	13	56	43	38	34	29	22	18	11	63	36	34	31	24	18	13	9	72	27	24	20	15	15	11	6	86	13	13	13	13	13	9	6
26	38	61	59	52	40	38	27	22	47	52	49	45	40	38	24	18	50	49	49	45	38	34	22	15	56	43	43	40	34	31	20	13	61	38	38	38	31	24	15	9	81	18	15	15	13	13	6	4
AUG 2	38	61	59	49	47	36	27	11	45	54	49	43	40	34	27	11	50	49	49	40	38	31	27	11	52	47	47	38	36	31	24	11	56	43	43	34	29	24	18	11	77	22	20	18	15	11	6	2
9	40	59	52	49	38	38	27	20	45	54	47	43	36	34	24	18	47	52	45	40	36	34	24	18	50	49	43	40	34	29	22	15	54	45	38	36	31	24	22	15	70	29	27	22	20	18	13	11
16	43	56	54	52	40	34	31	22	47	52	49	49	40	27	24	18	52	47	45	43	34	24	22	18	54	45	43	43	34	24	22	18	56	43	38	38	31	24	22	18	72	27	24	24	22	18	18	13
23	40	59	54	47	45	36	27	25	50	49	47	38	36	29	24	22	54	45	45	38	36	29	22	20	56	43	43	36	34	27	22	20	56	43	43	36	34	27	22	20	61	38	34	29	27	20	16	15
30	47	52	52	47	40	34	29	22	54	45	43	38	31	29	24	18	65	34	34	34	29	27	22	18	65	34	34	34	29	27	22	18	68	31	31	31	27	24	20	15	70	29	29	29	24	24	18	13
SEP 6	47	52	45	34	34	29	15	15	56	43	38	31	31	27	13	13	63	36	31	24	24	18	11	11	65	34	31	24	22	18	11	11	65	34	31	24	20	18	11	11	70	29	27	20	18	15	9	9
13	45	54	49	45	34	27	20	13	52	47	43	40	29	27	20	13	56	43	40	38	27	24	18	9	59	40	38	36	24	22	15	9	59	40	38	36	24	22	15	9	65	34	31	29	18	15	9	6
20	56	43	38	36	27	22	22	15	59	40	34	31	22	18	18	11	61	38	34	31	22	18	13	9	63	36	31	29	20	15	13	9	63	36	31	29	20	15	13	9	68	31	29	27	20	15	13	6
27	56	43	38	38	36	29	20	13	65	34	31	31	27	24	20	13	68	31	31	31	27	24	20	13	68	31	31	31	27	22	18	11	72	27	27	27	22	20	15	9	72	27	27	27	22	20	13	9
OCT 4	59	40	31	29	22	20	18	15	68	31	27	24	18	15	13	13	68	31	27	24	18	15	13	13	68	31	27	24	18	15	13	13	68	31	24	20	15	13	11	11	70	29	24	20	15	13	11	11
11	63	36	29	27	27	22	18	13	68	31	24	20	20	15	13	11	75	24	22	20	20	15	13	11	75	24	22	20	20	15	13	11	75	24	22	20	20	15	13	11	77	22	20	18	18	15	13	11
18	68	31	31	29	27	18	15	13	72	27	27	24	22	15	13	13	75	24	24	22	20	15	13	13	75	24	24	22	20	15	13	13	75	24	24	22	20	15	13	13	75	24	24	22	20	15	13	13
25	68	31	29	15	15	11	11	11	75	24	20	13	13	9	9	9	79	20	18	13	13	9	9	9	79	20	18	13	13	9	9	9	79	20	18	13	13	9	9	9	79	20	18	13	13	9	9	9
NOV 1	81	18	15	15	11	9	4	4	90	9	9	9	4	4	2	2	93	6	6	6	4	4	2	2	93	6	6	6	4	4	2	2	93	6	6	6	4	4	2	2	93	6	6	6	4	4	2	2
8	95	4	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0	97	2	0	0	0	0	0	0
15	97	2	2	0	0	0	0	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 47. Probability of occurrence of drouth days based on 44 years of record, 1927 through 1970, for Savannah

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	4	4	4	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	4	4	4	2	0	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	86	13	8	4	4	2	2	0	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	75	24	15	11	8	2	2	0	95	4	4	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	84	15	11	8	2	2	2	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	64	35	31	24	22	17	11	4	93	6	6	6	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	59	39	35	33	31	17	15	8	88	11	8	4	4	4	4	2	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	53	46	37	28	24	24	13	4	77	22	19	15	11	6	2	0	95	4	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	57	42	37	31	24	19	17	8	75	24	19	17	15	13	13	6	91	8	8	6	6	6	4	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	44	55	53	46	35	24	13	4	71	28	26	24	22	15	8	4	84	15	15	13	13	4	4	4	95	4	4	4	4	4	4	2	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	37	62	55	48	42	37	31	17	62	37	33	31	24	22	15	11	79	19	17	11	11	11	8	6	91	8	6	6	4	4	2	0	97	2	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	46	53	48	39	28	22	17	6	64	35	35	31	26	15	11	4	77	22	22	19	15	11	8	4	88	11	8	8	8	6	6	4	93	6	4	2	2	2	2	0	100	0	0	0	0	0	0	0
21	28	71	64	59	51	39	31	22	55	44	42	37	35	35	26	22	62	37	35	31	26	26	19	15	71	28	28	24	17	15	8	4	86	13	13	8	8	6	4	4	97	2	2	2	2	0	0	0
28	28	71	66	62	51	31	17	6	48	51	39	35	22	13	6	2	68	31	28	26	19	13	6	2	75	24	22	22	15	11	6	2	82	17	15	13	8	8	2	0	95	4	2	2	2	2	0	0
JUL 5	28	71	62	57	51	39	24	19	44	55	48	42	37	33	22	17	59	39	31	24	17	13	8	8	77	22	19	19	13	11	8	8	77	22	17	15	11	8	6	6	95	4	4	2	2	0	0	0
12	22	77	66	66	64	53	44	31	31	68	64	59	57	46	37	22	48	51	46	46	46	39	35	22	59	39	37	28	28	26	24	13	75	24	24	24	24	22	22	13	84	15	13	13	8	4	2	2
19	24	75	68	68	59	55	37	22	39	59	51	51	46	44	31	19	44	55	46	46	42	37	26	19	53	46	37	35	35	33	22	19	66	33	31	26	24	24	13	11	79	19	17	15	13	13	11	11
26	24	75	66	57	44	42	33	13	33	66	55	48	37	37	24	13	44	55	44	39	31	31	19	13	48	51	42	37	24	24	17	11	59	39	33	31	19	19	17	11	77	22	19	17	11	11	8	6
AUG 2	13	86	75	71	64	48	44	22	28	71	66	62	51	37	35	17	35	64	62	57	48	37	33	15	44	55	53	46	37	28	28	13	55	44	42	35	28	24	22	8	73	26	24	24	19	15	13	6
9	19	79	75	66	62	44	42	28	31	68	66	55	53	39	33	24	35	64	59	48	46	33	31	24	42	57	55	44	39	31	28	22	53	46	44	35	33	24	19	13	68	31	26	19	17	8	6	4
16	15	84	68	55	44	42	37	17	28	71	59	48	37	33	31	15	28	71	59	42	33	31	28	11	33	66	53	35	28	26	24	6	42	57	44	28	24	19	15	6	68	31	24	17	13	11	11	4
23	28	71	66	53	48	42	33	31	42	57	51	44	42	39	31	28	46	53	51	44	42	39	31	28	46	53	51	44	39	37	28	26	53	46	44	39	37	35	28	26	68	31	26	24	22	22	19	17
30	22	77	66	62	55	39	33	26	35	64	55	48	44	35	26	19	37	62	55	46	42	35	26	19	39	59	55	46	42	35	26	19	42	57	51	44	37	28	22	17	55	44	42	37	35	22	15	13
SEP 6	35	64	59	51	44	39	24	17	42	57	55	46	39	33	17	15	46	53	51	42	35	33	17	15	46	53	51	39	33	31	15	13	51	48	46	39	33	31	15	13	66	33	33	26	19	17	11	8
13	26	73	64	64	57	42	37	28	44	55	48	46	39	31	26	19	51	48	46	44	37	28	24	17	53	46	44	42	35	26	24	17	53	46	42	39	33	24	22	15	66	33	31	31	22	15	15	8
20	26	73	66	62	59	51	44	33	44	55	53	48	46	37	31	26	51	48	44	42	37	33	26	24	53	46	44	42	37	33	24	24	55	44	42	39	33	28	24	24	62	37	35	31	28	24	15	15
27	17	82	68	57	51	37	26	17	42	57	46	42	37	24	19	15	51	48	42	39	35	22	15	11	55	44	37	37	33	19	15	11	55	44	37	37	33	19	15	11	59	39	33	31	28	17	13	6
OCT 4	46	53	42	39	28	28	28	24	64	35	31	31	19	19	17	15	71	28	26	26	17	17	17	15	73	26	24	24	17	17	17	15	73	26	24	24	17	17	17	15	77	22	19	19	15	15	15	13
11	53	46	44	42	33	28	26	17	64	35	35	31	26	22	19	15	68	31	28	28	24	19	17	11	71	28	28	28	24	19	17	11	71	28	28	28	24	19	17	11	73	26	26	24	19	15	13	8
18	51	48	42	39	31	24	17	17	59	39	33	26	19	15	13	13	66	33	28	24	17	13	13	13	68	31	26	22	17	13	13	13	68	31	26	22	17	13	13	13	71	28	26	22	17	13	13	11
25	42	57	48	37	26	22	17	13	62	37	31	24	13	13	11	8	68	31	26	19	8	8	6	6	71	28	24	17	8	8	6	6	71	28	24	17	8	8	6	6	71	28	24	17	8	8	6	6
NOV 1	71	28	22	17	15	13	8	8	77	22	15	11	11	6	4	4	86	13	8	6	6	4	2	2	88	11	8	6	6	4	2	2	88	11	8	6	6	4	2	2	88	11	8	6	6	4	2	2
8	88	11	6	6	4	4	4	2	88	11	6	6	4	4	4	2	95	4	4	4	4	4	4	2	95	4	4	4	4	4	4	2	95	4	4	4	4	4	4	2	95	4	4	4	4	4	4	2
15	93	6	2	2	2	2	2	0	95	4	2	2	2	2	2	0	95	4	2	2	2	2	2	0	95	4	2	2	2	2	2	0	95	4	2	2	2	2	2	0	95	4	2	2	2	2	2	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 48. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Selmer

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	82	17	13	13	13	13	8	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	73	26	26	21	17	17	17	13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	65	34	34	21	8	8	8	4	91	8	4	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	78	21	13	8	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	56	43	34	30	26	26	21	13	91	8	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	52	47	30	30	26	17	17	17	73	26	13	13	13	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	47	52	47	34	34	30	26	17	73	26	21	17	17	13	13	13	91	8	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
24	52	47	47	39	34	26	21	17	78	21	21	21	21	21	17	8	86	13	13	13	13	13	13	8	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
31	34	65	47	39	34	21	17	13	73	26	26	21	17	4	4	4	82	17	13	13	8	4	4	4	91	8	8	8	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
JUN 7	43	56	52	47	34	30	26	8	65	34	30	17	17	17	17	0	82	17	13	13	13	13	13	0	91	8	8	4	4	4	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0
14	30	69	60	39	30	17	17	17	65	34	34	21	21	17	8	8	78	21	17	8	4	4	4	4	91	8	8	4	4	4	4	4	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0
21	17	82	73	52	43	39	26	17	60	39	34	30	26	17	17	8	73	26	21	17	17	17	17	4	82	17	8	4	4	4	4	4	91	8	8	4	4	4	4	4	95	4	0	0	0	0	0	0
28	13	86	69	60	43	34	30	8	39	60	47	43	30	26	17	4	60	39	26	21	17	17	13	0	73	26	21	17	17	17	13	0	91	8	8	4	4	4	4	0	91	8	8	4	0	0	0	0
JUL 5	17	82	69	52	43	30	21	13	39	60	47	30	21	17	17	8	56	43	30	21	8	8	8	8	78	21	21	13	8	8	8	8	78	21	17	13	8	8	8	4	91	8	8	8	4	4	4	4
12	21	78	78	65	52	43	34	26	26	73	65	52	39	34	26	21	56	43	39	30	30	30	21	21	73	26	26	26	21	21	8	8	82	17	17	17	17	17	8	8	91	8	8	8	8	8	4	4
19	21	78	73	65	56	39	21	8	39	60	60	56	52	34	21	8	47	52	47	39	30	21	13	4	78	21	21	21	17	13	8	4	82	17	17	13	13	4	4	4	91	6	8	8	8	4	4	4
26	26	73	65	56	52	21	13	13	47	52	47	39	39	13	8	8	52	47	39	34	34	13	8	8	73	26	26	21	17	8	8	8	73	21	21	17	17	4	4	4	91	8	8	8	8	4	4	4
AUG 2	4	95	91	82	60	56	21	17	34	65	65	60	47	39	17	13	39	60	60	56	43	34	13	13	47	52	47	43	30	17	8	8	78	21	21	21	17	17	8	8	86	13	8	8	4	4	4	4
9	8	91	91	78	65	56	39	26	17	82	82	73	56	43	30	21	34	65	56	47	47	34	26	17	43	56	56	43	43	30	26	17	56	43	43	30	17	13	13	8	91	8	8	8	8	8	8	8
16	8	91	82	73	60	39	21	21	17	82	73	69	56	34	21	21	21	78	65	56	43	21	17	17	30	69	56	47	34	17	13	13	47	52	47	34	21	13	13	13	73	26	21	13	4	0	0	0
23	13	86	82	73	65	47	43	30	30	69	65	60	47	39	39	30	30	69	65	60	47	39	39	30	39	60	56	47	43	34	34	26	43	56	52	47	43	30	30	17	73	26	26	26	17	8	8	4
30	8	91	86	86	73	60	43	30	21	78	78	73	65	52	39	21	30	69	69	69	60	47	34	21	34	65	65	65	56	47	34	17	34	65	65	60	52	43	30	17	60	39	39	39	30	26	21	13
SEP 6	26	73	69	56	52	47	39	26	26	73	69	56	52	47	39	26	30	69	65	56	52	43	34	21	34	65	60	47	43	39	30	21	43	56	52	43	39	34	30	21	47	52	43	34	30	21	17	8
13	26	73	65	60	52	52	39	13	43	56	52	52	39	39	26	13	52	47	43	43	39	39	26	13	56	43	39	39	34	34	21	13	56	43	39	39	34	34	21	13	56	43	39	34	30	30	21	13
20	17	82	82	69	60	52	47	26	21	78	73	56	47	39	30	17	30	69	60	43	39	26	21	13	30	69	60	43	39	26	21	13	39	60	56	39	34	21	17	13	47	52	47	34	30	21	17	13
27	4	95	65	60	34	30	21	17	26	73	52	47	30	26	17	17	34	65	52	47	30	26	17	17	34	65	52	47	30	26	17	17	43	56	47	43	26	26	17	17	52	47	39	34	21	21	13	13
OCT 4	56	43	34	34	21	17	13	13	60	39	30	30	17	17	13	13	65	34	21	21	17	17	13	13	69	30	21	21	17	17	13	13	69	30	21	21	17	17	13	13	78	21	13	13	13	13	8	8
11	65	34	34	34	30	30	26	21	73	26	26	26	26	21	17	17	78	21	21	21	21	21	17	13	82	17	17	17	17	17	13	13	82	17	17	17	17	17	13	13	86	13	13	13	13	13	8	8
18	39	60	60	39	34	26	21	8	65	34	34	26	17	17	17	8	73	26	26	17	17	17	17	8	73	26	26	17	17	17	17	8	73	26	26	17	17	17	17	8	73	26	26	17	17	13	13	4
25	34	65	52	47	43	34	30	21	60	39	30	26	21	21	21	8	69	30	26	21	17	17	17	8	69	30	26	21	17	17	17	8	69	30	26	21	17	17	17	8	69	30	26	21	17	17	17	8
NOV 1	60	39	34	30	8	8	8	8	78	21	21	21	8	8	8	8	78	21	21	21	8	8	8	8	82	17	17	17	8	8	8	8	82	17	17	17	8	8	8	8	82	17	17	17	8	8	8	8
8	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4
15	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 49. Probability of occurrence of drouth days based on 22 years of record, 1949 through 1970, for Sparta

1-WEEK PERIOD BEGINNING	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	91	8	8	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	91	8	8	4	4	4	4	0	95	4	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	91	8	4	4	4	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	91	8	8	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	78	21	17	13	13	8	4	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	60	39	30	26	8	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	60	39	39	39	26	8	4	4	91	8	4	4	4	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	47	52	39	17	8	4	4	0	95	4	4	4	4	4	0	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	34	65	43	39	34	30	17	8	86	13	8	8	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	39	60	56	47	43	30	21	13	60	39	34	26	21	8	4	4	91	8	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	52	47	43	34	17	17	17	13	73	26	26	21	13	13	13	13	86	13	13	13	8	4	4	4	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	47	52	34	30	26	13	4	0	65	34	26	17	8	4	0	0	82	17	13	13	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
28	30	69	65	56	52	39	26	13	69	30	30	26	26	17	8	8	78	21	17	13	13	8	4	4	91	8	8	8	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUL 5	34	65	60	52	34	21	13	8	60	39	39	30	17	13	4	0	86	13	13	13	13	8	4	0	95	4	4	4	4	4	0	0	95	4	4	4	4	4	0	0	100	0	0	0	0	0	0	0
12	39	60	47	39	30	21	21	8	60	39	39	30	26	21	21	8	69	30	30	26	17	13	8	0	86	13	13	8	8	4	4	0	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0
19	47	52	34	26	21	17	13	8	69	30	30	26	17	8	4	4	73	26	26	21	8	4	0	0	78	21	21	8	4	0	0	0	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0
26	39	60	39	34	26	26	26	4	82	17	17	17	13	13	13	4	82	17	17	17	13	13	8	0	86	13	13	8	4	4	4	0	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0
AUG 2	13	86	78	69	52	43	30	21	43	56	43	30	17	13	8	4	65	34	21	8	4	4	0	0	69	30	13	8	4	4	0	0	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0
9	26	73	56	47	39	34	26	21	47	52	47	43	34	21	13	8	65	34	30	26	13	4	4	4	82	17	8	4	4	4	4	4	86	13	4	0	0	0	0	0	100	0	0	0	0	0	0	0
16	26	73	69	69	60	43	30	13	43	56	52	52	43	34	26	8	56	43	43	39	30	26	17	8	69	30	30	26	21	21	13	4	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0
23	26	73	69	60	52	43	39	30	39	60	56	52	43	34	26	21	47	52	47	39	34	30	21	17	60	39	34	34	30	26	21	13	78	21	13	13	8	8	0	0	100	0	0	0	0	0	0	0
30	21	78	73	69	60	56	34	17	30	69	65	60	52	43	34	13	34	65	60	56	47	43	30	13	52	47	47	43	34	30	26	13	69	30	30	30	26	21	17	8	100	0	0	0	0	0	0	0
SEP 6	43	56	56	43	34	30	17	8	52	47	43	34	26	21	8	4	56	43	43	34	26	21	8	4	60	39	39	34	26	21	8	4	60	39	39	39	30	21	17	8	95	4	0	0	0	0	0	0
13	26	73	60	56	52	52	21	17	52	47	39	34	34	34	17	13	65	34	34	30	30	30	17	13	69	30	30	26	17	17	8	4	69	30	30	26	17	17	8	4	86	13	13	8	4	4	0	0
20	39	60	52	43	43	34	26	21	52	47	34	30	30	21	13	8	65	34	30	21	17	17	13	8	78	21	17	17	17	13	8	4	73	26	26	21	21	21	17	13	78	21	17	17	17	13	8	8
27	26	73	52	43	39	34	17	17	43	56	34	30	30	30	8	8	60	39	21	17	17	17	4	4	73	26	17	17	17	17	4	4	82	17	13	13	13	13	8	0	86	13	8	8	8	8	4	0
OCT 4	56	43	39	34	26	17	8	4	60	39	34	30	21	17	8	4	69	30	26	21	17	13	8	4	78	21	17	17	13	13	8	4	78	21	17	17	17	17	4	4	86	13	13	13	13	4	4	0
11	56	43	34	30	17	17	17	17	78	21	17	17	13	13	13	13	78	21	17	17	13	13	13	13	82	17	13	13	8	8	8	8	82	17	13	13	8	8	4	4	91	8	4	4	4	4	4	4
18	56	43	43	43	43	39	34	30	69	30	30	26	26	26	21	17	78	21	21	17	17	17	17	13	82	17	13	13	13	13	13	13	86	13	13	13	13	13	13	13	91	8	8	8	8	8	8	8
25	47	52	47	43	39	26	26	13	60	39	30	26	21	17	17	13	73	26	21	17	17	13	13	8	78	21	21	17	13	13	13	8	86	13	13	8	8	8	8	8	91	8	8	4	4	4	4	4
NOV 1	82	17	17	13	8	4	4	4	86	13	13	8	8	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4
8	91	8	8	4	4	4	0	0	91	8	8	4	4	4	0	0	91	8	8	4	4	4	0	0	91	8	8	4	4	4	0	0	91	8	8	4	4	4	0	0	91	8	8	4	4	4	0	0
15	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	0	95	4	4	4	4	4	4	4
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 50. Probability of occurrence of drouth days based on 28 years of record, 1942 through 1969, for Springfield

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	2 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	3 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	4 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	5 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7	7 INCH A.W.H.C. DROUTH DAYS PER WEEK 0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	96	3	3	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	93	6	3	3	3	3	3	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	89	10	10	6	6	6	6	3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	82	17	13	3	3	3	3	3	96	3	3	3	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	10	6	6	6	6	3	96	3	3	3	3	3	3	3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	58	41	34	17	17	6	0	0	96	3	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	62	37	31	20	13	10	10	6	96	3	3	3	3	3	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	79	20	17	13	13	13	10	10	86	13	13	10	6	3	3	3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	65	34	27	20	10	3	3	0	82	17	13	10	10	3	3	0	96	3	3	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	41	58	58	44	34	27	13	10	75	24	20	13	13	13	13	6	86	13	10	10	10	10	10	0	96	3	3	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	27	72	65	58	55	51	37	24	55	44	34	34	24	20	17	10	79	20	17	17	17	17	10	6	93	6	6	6	6	6	3	3	96	3	3	3	3	3	0	0	100	0	0	0	0	0	0	0
14	31	68	55	44	41	37	27	24	51	48	37	31	31	24	13	10	72	27	24	20	17	13	6	6	89	10	10	10	10	6	3	3	93	6	6	6	6	3	3	3	96	3	3	3	3	0	0	0
21	34	65	58	34	34	31	24	20	51	48	44	27	27	24	17	10	68	31	24	13	10	10	10	10	82	17	13	10	10	10	6	6	89	10	6	6	6	6	3	3	96	3	3	3	3	3	3	3
28	27	72	65	58	48	41	27	10	44	55	51	44	37	31	24	10	55	44	44	37	34	27	17	6	72	27	24	20	17	10	6	3	82	17	13	13	10	6	3	0	96	3	3	3	3	3	0	0
JUL 5	20	79	62	51	48	31	24	24	41	58	44	37	34	24	20	20	55	44	37	31	27	24	17	17	62	37	34	24	20	13	13	13	82	17	13	13	13	10	10	10	96	3	3	3	3	3	3	3
12	20	79	72	62	58	48	34	10	41	58	58	55	51	37	31	10	55	44	44	44	34	31	27	10	58	41	41	34	31	27	27	10	68	31	31	27	24	17	17	6	82	17	13	13	13	6	6	3
19	20	79	75	65	62	48	44	27	31	68	62	51	48	37	31	17	41	58	55	48	37	24	20	10	51	48	41	34	27	17	17	10	62	37	31	20	17	13	13	10	79	20	20	20	13	10	10	6
26	31	68	65	58	51	37	20	17	31	68	58	51	44	31	17	13	41	58	51	41	34	27	13	10	58	41	41	37	31	27	13	10	62	37	34	31	31	31	13	6	79	20	17	17	17	17	10	6
AUG 2	24	75	72	62	62	51	27	10	44	55	55	48	48	48	27	10	51	48	48	44	41	37	17	10	62	37	37	31	31	31	13	6	65	34	34	31	31	31	13	6	79	20	17	17	13	13	13	6
9	17	82	62	55	44	41	41	20	44	55	44	44	41	37	37	13	44	55	44	44	41	34	34	13	55	44	34	31	27	27	27	13	68	31	24	24	20	20	20	6	72	27	24	24	24	17	13	10
16	24	75	72	65	62	48	44	37	37	62	55	51	51	44	41	31	44	55	48	48	48	41	37	27	48	51	48	48	48	41	34	24	55	44	41	41	31	24	20	13	75	24	24	17	17	17	13	13
23	17	82	72	58	55	51	37	27	31	68	65	48	44	37	27	24	41	58	58	41	41	37	27	24	41	58	58	41	41	34	24	20	44	55	55	37	34	34	24	17	68	31	31	31	24	17	17	10
30	17	82	79	68	62	58	51	31	27	72	65	56	51	44	41	24	37	62	58	51	48	41	37	24	41	58	55	48	44	41	37	24	44	55	51	44	41	37	34	20	55	44	37	34	34	24	20	13
SEP 6	13	86	79	65	62	48	31	27	27	72	68	55	55	44	31	27	31	68	58	51	51	44	31	24	37	62	58	51	51	41	27	20	41	58	55	44	44	37	24	17	56	41	41	34	34	27	24	17
13	34	65	62	51	51	37	34	24	41	58	58	48	48	34	31	20	48	51	51	41	41	31	27	20	51	48	48	37	37	27	24	17	51	48	48	37	34	27	24	17	65	34	24	24	24	20	17	10
20	31	68	62	51	51	48	31	17	44	55	48	37	37	31	24	13	51	48	41	34	34	27	24	10	58	41	34	27	27	24	20	10	58	41	34	27	27	24	20	10	65	34	27	24	24	20	17	10
27	34	65	58	48	44	34	27	17	55	44	34	27	27	24	20	13	62	37	31	24	24	20	17	10	65	34	27	24	24	20	17	10	65	34	27	24	24	20	17	10	72	27	20	17	17	13	13	10
OCT 4	58	41	37	31	27	27	24	13	75	24	24	20	17	17	13	10	79	20	17	17	13	13	13	10	82	17	17	17	13	13	13	6	86	13	13	13	10	10	10	6	86	13	13	13	10	10	10	6
11	58	41	41	34	34	27	20	20	72	27	24	24	24	20	17	17	75	24	20	20	20	17	13	13	79	20	20	20	20	17	13	13	82	17	17	17	13	13	10	10	86	13	13	13	13	13	10	10
18	58	41	34	31	20	20	17	13	65	34	27	24	17	17	13	10	72	27	20	17	10	10	10	10	75	24	17	13	10	10	10	10	79	20	13	10	10	10	10	10	82	17	10	6	6	6	6	6
25	37	62	48	34	34	24	20	13	62	37	27	20	17	13	10	6	65	34	27	20	17	13	10	6	68	31	24	17	13	13	10	6	68	31	24	17	13	13	10	6	72	27	20	13	10	10	6	3
NOV 1	65	34	24	24	20	20	17	13	82	17	6	6	6	3	3	3	82	17	6	6	6	6	3	3	86	13	6	6	6	6	3	3	86	13	6	6	6	6	3	3	86	13	6	6	6	6	3	3
8	89	10	6	6	6	3	0	0	93	6	3	3	3	0	0	0	93	6	3	3	3	0	0	0	93	6	3	3	3	0	0	0	93	6	3	3	3	3	0	0	93	6	3	3	3	3	3	0
15	93	6	3	3	3	3	3	0	93	6	3	3	3	3	3	0	93	6	3	3	3	3	3	0	93	6	3	3	3	3	3	0	93	6	3	3	3	3	3	0	96	3	3	3	3	3	3	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 51. Probability of occurrence of drouth days based on 43 years of record, 1928 through 1970, for Tullahoma

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	97	2	2	2	2	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	88	11	9	4	2	2	0	0	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	81	18	15	13	9	4	4	2	97	2	2	2	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	86	13	13	11	9	9	6	4	97	2	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	70	29	20	18	11	9	4	4	95	4	2	2	2	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	63	36	36	31	20	15	11	9	86	13	9	9	6	2	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	50	49	40	29	27	24	22	13	81	18	18	13	13	11	11	9	95	4	2	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	50	49	40	34	20	15	13	6	77	22	13	13	11	11	9	4	88	11	9	9	9	9	6	2	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	38	61	52	43	29	27	24	20	77	22	22	18	15	15	13	9	88	11	6	6	6	6	6	4	95	4	4	4	2	2	2	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	36	63	56	54	45	34	24	20	61	38	31	27	20	15	11	9	84	15	9	6	6	6	6	6	95	4	4	4	2	2	2	0	97	2	2	2	2	2	2	0	100	0	0	0	0	0	0	0
14	45	54	47	40	36	29	11	11	56	43	34	24	20	15	9	9	81	18	13	13	11	11	6	4	90	9	6	6	6	4	4	4	95	4	4	4	4	4	2	2	100	0	0	0	0	0	0	0
21	29	70	63	52	43	29	29	20	52	47	43	31	24	22	22	15	72	27	24	22	20	20	18	13	84	15	11	11	11	11	9	9	90	9	9	9	9	6	4	4	95	4	4	4	2	2	2	0
28	29	70	63	56	47	31	22	15	40	59	45	36	34	24	18	11	56	43	31	27	24	9	6	4	79	20	13	13	11	6	4	4	88	11	9	9	9	4	2	2	95	4	4	4	4	2	0	0
JUL 5	31	68	63	52	40	31	18	6	47	52	47	43	36	24	13	4	61	38	29	24	20	18	9	2	75	24	22	20	11	9	0	0	88	11	11	6	4	2	0	0	95	4	4	2	0	0	0	0
12	36	63	56	47	45	38	18	11	47	52	43	31	29	29	18	9	54	45	43	31	27	20	11	6	75	24	22	15	9	9	6	2	88	11	11	9	6	6	4	0	97	2	2	2	2	2	0	0
19	29	70	56	52	40	31	18	4	45	54	45	40	27	20	13	4	50	49	36	29	22	18	11	4	59	40	27	22	18	13	9	2	79	20	20	18	18	11	4	0	93	6	6	4	2	0	0	0
26	31	68	61	52	31	31	18	9	50	49	43	36	22	18	9	2	61	38	31	27	13	13	9	2	70	29	24	20	11	11	9	2	79	20	18	13	9	6	4	2	90	9	4	4	2	2	0	0
AUG 2	20	79	79	54	47	31	22	20	50	49	49	40	38	29	18	18	56	43	40	31	29	18	13	13	68	31	31	24	22	15	11	9	77	22	20	18	18	9	2	2	93	6	6	6	6	2	2	2
9	25	74	63	56	45	38	24	15	38	61	49	45	31	27	18	11	54	45	36	31	24	24	18	11	63	36	27	24	20	18	11	4	77	22	20	20	15	15	11	4	86	13	11	9	4	4	2	0
16	22	77	63	47	34	27	18	13	40	59	47	38	27	24	15	9	47	52	43	34	24	22	13	4	54	45	38	29	18	18	13	4	68	31	27	22	15	15	11	2	81	18	13	9	9	9	6	2
23	22	77	72	68	56	47	36	25	45	54	49	49	45	40	34	25	52	47	43	40	34	31	29	25	59	40	34	34	31	27	24	22	68	31	31	31	29	27	22	20	84	15	15	15	13	13	11	11
30	22	77	70	65	59	45	31	18	40	59	56	52	38	34	22	15	47	52	49	45	36	34	22	15	50	49	45	40	27	27	18	11	63	36	29	22	20	20	15	9	75	24	22	18	15	15	13	2
SEP 6	31	68	68	56	47	34	31	25	47	52	47	45	40	29	27	22	52	47	45	40	34	22	20	18	59	40	40	36	34	22	20	18	61	38	38	31	29	15	13	13	79	20	20	18	15	6	4	4
13	38	61	56	47	45	38	34	20	50	49	43	36	34	29	22	15	56	43	38	34	31	27	20	15	61	38	36	29	27	22	18	15	68	31	31	27	24	20	15	15	84	15	15	11	9	6	6	6
20	36	63	59	49	36	34	24	15	56	43	40	36	27	27	18	13	70	29	29	24	18	18	11	9	70	29	29	24	18	18	11	9	72	27	24	22	15	15	9	6	81	18	18	15	11	11	9	4
27	36	63	54	45	36	29	22	18	59	40	34	27	22	20	15	11	68	31	27	24	18	15	11	6	72	27	22	20	15	13	11	6	72	27	22	20	15	13	9	4	81	18	13	13	11	9	6	2
OCT 4	47	52	43	36	31	20	15	13	68	31	27	22	20	11	4	4	77	22	18	15	15	6	4	4	79	20	15	13	13	4	2	2	79	20	13	11	11	4	2	2	88	11	11	9	9	4	2	2
11	54	45	38	31	29	20	20	18	72	27	24	22	18	11	11	9	79	20	20	18	15	9	9	6	84	15	15	11	9	6	6	4	86	13	13	11	9	6	6	4	93	6	6	6	6	4	4	4
18	52	47	45	38	27	20	18	15	63	36	31	24	22	18	13	11	72	27	22	18	15	13	11	9	79	20	18	13	11	9	9	6	81	18	15	11	11	9	9	6	84	15	13	6	6	6	6	4
25	56	43	40	31	27	20	20	13	65	34	34	27	24	18	18	11	70	29	29	22	20	15	15	9	75	24	24	20	18	15	13	6	81	18	18	13	11	9	9	4	84	15	15	11	9	6	6	4
NOV 1	79	20	15	6	4	4	4	4	84	15	11	4	2	2	2	2	86	13	11	4	2	2	2	2	88	11	11	4	2	2	2	2	95	4	4	2	2	2	2	2	97	2	2	2	2	2	2	2
8	90	9	6	4	4	4	4	2	95	4	4	2	2	2	2	2	95	4	4	2	2	2	2	2	95	4	4	2	2	2	2	2	95	4	4	2	2	0	0	0	97	2	2	0	0	0	0	0
15	93	6	6	6	4	4	2	0	97	2	2	2	2	2	0	0	97	2	2	2	2	2	0	0	97	2	2	2	2	2	0	0	97	2	2	2	2	2	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

Table 52. Probability of occurrence of drouth days based on 23 years of record, 1948 through 1970, for Waynesboro

1-WEEK PERIOD BEGINNING:	1 INCH A.W.H.C.								2 INCH A.W.H.C.								3 INCH A.W.H.C.								4 INCH A.W.H.C.								5 INCH A.W.H.C.								7 INCH A.W.H.C.							
	DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK								DROUTH DAYS PER WEEK							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
MAR 1	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
8	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
15	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
APR 5	95	4	4	4	4	4	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
12	95	4	4	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
19	79	20	12	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
26	83	16	12	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
MAY 3	62	37	33	33	33	16	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	66	33	29	16	16	8	8	8	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	66	33	29	16	16	16	16	8	87	12	8	8	8	8	4	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	50	49	41	29	24	16	12	0	87	12	12	12	8	8	0	0	91	8	4	4	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	45	54	41	29	24	16	12	8	83	16	12	4	4	0	0	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUN 7	45	54	49	45	45	33	29	20	54	45	33	24	16	16	12	12	83	16	16	4	4	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	41	58	49	41	29	16	16	8	58	41	33	33	24	8	8	0	83	16	8	8	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	50	49	37	24	16	12	12	12	66	33	29	20	16	12	12	12	70	29	24	16	8	4	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
28	37	62	49	33	20	20	4	0	70	29	20	12	8	8	0	0	79	20	20	12	8	8	0	0	91	8	8	4	4	0	0	0	95	4	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JUL 5	33	66	54	37	29	16	4	0	79	20	16	16	12	8	4	0	83	16	16	16	12	8	4	0	87	12	12	12	12	8	4	0	91	8	8	8	8	8	8	4	100	0	0	0	0	0	0	0
12	37	62	62	54	54	45	37	20	58	41	37	29	29	24	20	16	79	20	12	12	12	12	12	12	87	12	12	12	8	8	8	8	87	12	8	8	8	4	0	0	100	0	0	0	0	0	0	0
19	33	66	58	41	29	24	8	8	45	54	45	37	29	20	4	4	62	37	33	20	20	16	4	0	79	20	20	20	16	12	0	0	87	12	12	12	4	4	0	0	95	4	0	0	0	0	0	0
26	33	66	62	58	24	16	12	4	58	41	37	37	12	8	4	0	70	29	29	29	8	8	4	0	87	12	12	12	4	4	4	0	87	12	12	4	4	4	4	4	95	4	4	4	4	4	4	4
AUG 2	16	83	74	58	45	37	24	8	41	58	54	33	29	24	20	8	54	45	37	16	16	12	8	4	70	29	29	20	16	16	12	8	87	12	12	8	4	4	4	4	95	4	4	4	4	4	4	4
9	25	74	66	66	58	45	33	25	33	66	62	62	41	33	24	16	54	45	41	41	33	29	24	16	70	29	29	20	12	8	8	4	79	20	20	12	8	8	8	4	91	8	8	4	4	4	0	0
16	33	66	62	37	33	29	24	16	41	58	54	33	29	20	16	8	54	45	41	24	20	12	12	4	58	41	37	16	16	8	8	4	70	29	20	16	16	16	8	0	95	4	4	0	0	0	0	0
23	16	83	74	58	45	41	20	16	41	58	49	37	37	33	16	8	54	45	41	29	29	24	12	8	62	37	33	24	24	20	12	8	75	24	24	24	20	20	16	16	91	8	4	4	4	4	0	0
30	25	74	74	70	58	49	41	20	50	49	45	41	33	33	29	20	58	41	41	33	29	29	24	20	66	33	29	29	20	20	16	16	75	24	24	12	12	8	8	8	91	8	4	4	4	4	4	4
SEP 6	29	70	62	45	45	37	29	25	45	54	45	37	37	24	20	16	58	41	41	29	29	20	20	16	58	41	37	24	24	16	16	12	75	24	24	12	12	4	4	4	79	20	20	16	12	12	8	4
13	25	74	70	62	49	37	29	12	41	58	54	49	41	33	25	12	45	54	49	41	33	24	20	8	58	41	41	37	29	20	16	8	62	37	33	24	20	16	12	8	87	12	8	8	8	8	8	8
20	29	70	62	58	54	33	33	29	41	58	49	45	37	29	29	20	50	49	45	41	37	29	29	20	54	45	41	33	29	25	25	12	54	45	41	37	37	29	4	4	79	20	20	20	16	12	0	0
27	16	83	62	58	58	41	20	12	37	62	54	49	49	37	12	8	45	54	45	41	41	29	8	8	45	54	45	41	41	29	8	8	79	20	16	16	16	12	12	12	87	12	12	12	12	12	8	8
OCT 4	58	41	33	29	20	16	12	1	66	33	29	24	24	20	16	12	75	24	20	20	16	16	12	12	79	20	16	16	16	16	12	12	87	12	12	12	12	12	12	12	87	12	12	12	12	12	8	8
11	66	33	33	24	20	20	20	16	79	20	20	20	20	20	20	16	87	12	12	12	12	12	12	12	87	12	12	12	12	12	12	12	83	16	12	12	12	12	12	8	87	12	12	12	12	12	12	8
18	54	45	37	33	20	20	20	16	75	24	20	20	16	16	16	8	75	24	16	16	16	16	16	8	79	20	16	16	16	16	8	8	70	29	24	16	12	8	8	4	83	16	12	8	4	4	4	4
25	50	49	45	45	33	20	20	20	66	33	29	24	16	8	8	8	70	29	24	20	16	8	8	8	70	29	24	20	16	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8
NOV 1	75	24	20	16	12	12	12	12	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	8	8	8	8	8	91	8	8	4	4	4	4	4
8	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4	91	8	8	4	4	4	4	4	95	4	4	4	4	4	4	4
15	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	95	4	4	4	4	4	4	4	100	0	0	0	0	0	0	0
22	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
29	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
DEC 6	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
13	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
20	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
27	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
JAN 3	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
10	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
17	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
24	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
31	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
FEB 7	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
14	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0
21	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0

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