

**Rainfall Intensity Values  
Utilized by South Carolina Department of Transportation**

Rainfall intensity values utilized by the South Carolina Department of Transportation are computed by the following formula:

$$i = \frac{a}{(b+Tc)^c}$$

where:  $i$  = rainfall intensity in inches per hour,  
 $Tc$  = time of concentration in minutes,  
and  $a$ ,  $b$ , and  $c$  are coefficients.

The coefficients for the 2-, 5-, 10-, 25-, 50-, and 100-year rainfall events are given in the table below for each county in South Carolina. The intensity values for time of concentration of 5, 10, 15, 30, and 60 minutes are also listed in the table for the same frequencies. To use these values compute the time of concentration for the drainage area using the velocity method in the NRCS TR-55 manual. Pick the appropriate county in the tables below to determine the appropriate coefficients. Then apply the equation to obtain the intensity value.

<b>ABBEVILLE</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration ( $T_c$ )				
	a	b	c	$T_c = 5$	$T_c = 10$	$T_c = 15$	$T_c = 30$	$T_c = 60$
2	59.9700	11.6400	0.8430	5.60	4.49	3.77	2.59	1.64
5	52.0100	10.0900	0.7640	6.54	5.26	4.43	3.10	2.02
10	44.2700	8.3710	0.6978	7.25	5.81	4.91	3.47	2.32
25	37.3900	6.5840	0.6234	8.12	6.49	5.51	3.96	2.73
50	33.5200	5.3490	0.5738	8.77	6.99	5.95	4.33	3.05
100	30.9800	4.3120	0.5327	9.41	7.48	6.38	4.70	3.36

<b>AIKEN</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration ( $T_c$ )				
	a	b	c	$T_c = 5$	$T_c = 10$	$T_c = 15$	$T_c = 30$	$T_c = 60$
2	70.1300	11.7200	0.8490	6.42	5.14	4.31	2.95	1.86
5	56.3200	9.8490	0.7558	7.33	5.89	4.97	3.48	2.27
10	50.6000	8.4690	0.6994	8.21	6.58	5.57	3.94	2.63
25	43.1600	6.6790	0.6275	9.23	7.38	6.26	4.50	3.09
50	37.4200	5.0350	0.5680	10.10	8.03	6.82	4.96	3.49
100	34.8600	4.0560	0.5277	10.90	8.64	7.36	5.42	3.88

<b>ALLENDALE</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	68.2000	11.4700	0.8410	6.46	5.17	4.34	2.97	1.88
5	57.7500	9.9610	0.7595	7.40	5.94	5.02	3.51	2.29
10	51.5100	8.4750	0.7001	8.34	6.69	5.65	4.00	2.67
25	43.1700	6.5910	0.6239	9.36	7.48	6.35	4.57	3.14
50	40.1600	5.5990	0.5805	10.20	8.15	6.94	5.05	3.54
100	36.5500	4.4440	0.5348	11.00	8.76	7.48	5.51	3.94

<b>ANDERSON</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	60.0900	11.5700	0.8440	5.62	4.50	3.77	2.59	1.63
5	50.0800	9.7450	0.7537	6.59	5.29	4.46	3.12	2.04
10	44.9200	8.4520	0.6980	7.32	5.87	4.97	3.52	2.35
25	38.0100	6.6250	0.6237	8.23	6.58	5.59	4.02	2.77
50	34.5800	5.4450	0.5771	8.93	7.12	6.06	4.41	3.10
100	31.3200	4.2790	0.5304	9.61	7.64	6.52	4.80	3.44

<b>BAMBERG</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	66.9700	11.5500	0.8420	6.30	5.05	4.23	2.90	1.84
5	54.9500	9.9720	0.7593	7.04	5.66	4.77	3.34	2.18
10	48.8300	8.3120	0.6940	8.10	6.49	5.49	3.89	2.60
25	41.9300	6.5500	0.6240	9.11	7.28	6.17	4.44	3.05
50	37.8900	5.1660	0.5701	10.10	8.04	6.84	4.98	3.50
100	36.5400	4.5560	0.5359	10.90	8.70	7.43	5.47	3.92

<b>BARNWELL</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	67.7200	11.5600	0.8440	6.34	5.07	4.25	2.91	1.84
5	57.2400	10.0600	0.7644	7.20	5.78	4.88	3.41	2.22
10	51.2400	8.6590	0.7047	8.12	6.52	5.51	3.90	2.60
25	42.7700	6.7160	0.6276	9.13	7.30	6.20	4.46	3.06
50	38.4900	5.4010	0.5756	10.00	7.98	6.78	4.94	3.47
100	35.4100	4.3270	0.5318	10.80	8.60	7.33	5.40	3.87

<b>BEAUFORT</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	73.3100	11.4600	0.8400	6.97	5.58	4.68	3.21	2.03
5	62.1800	9.9080	0.7580	8.02	6.44	5.44	3.80	2.49
10	55.5200	8.4650	0.6981	9.04	7.25	6.13	4.34	2.90
25	45.9900	6.3400	0.6202	10.20	8.13	6.89	4.95	3.41
50	43.0700	5.4760	0.5772	11.10	8.86	7.54	5.49	3.85
100	39.3100	4.3150	0.5318	12.00	9.55	8.14	6.00	4.29

<b>BERKELEY</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	71.5800	11.5000	0.8400	6.79	5.44	4.56	3.13	1.98
5	61.3500	10.0100	0.7615	7.80	6.26	5.29	3.70	2.41
10	53.7300	8.3500	0.6955	8.86	7.10	6.01	4.25	2.85
25	46.9100	6.7320	0.6285	9.98	7.98	6.77	4.87	3.35
50	40.8200	5.0550	0.5681	11.00	8.75	7.43	5.41	3.81
100	38.2200	4.1120	0.5281	11.90	9.44	8.05	5.93	4.25

<b>CALHOUN</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	66.0400	11.4200	0.8410	6.28	5.02	4.21	2.88	1.82
5	55.1900	9.8610	0.7573	7.15	5.74	4.84	3.39	2.21
10	49.5800	8.4340	0.6974	8.10	6.50	5.50	3.89	2.60
25	42.2100	6.6190	0.6247	9.12	7.29	6.19	4.45	3.06
50	39.7100	5.7030	0.5818	10.00	8.00	6.81	4.96	3.48
100	34.4700	3.9770	0.5245	10.90	8.64	7.36	5.42	3.89

<b>CHARLESTON</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	72.6900	11.39	0.8390	6.96	5.56	4.67	3.20	2.02
5	61.1600	9.8460	0.7573	7.93	6.36	5.37	3.75	2.45
10	55.1300	8.4120	0.6972	9.02	7.23	6.12	4.33	2.90
25	45.5300	6.2570	0.6179	10.20	8.13	6.89	4.95	3.41
50	42.6800	5.2800	0.5741	11.20	8.92	7.58	5.52	3.88
100	39.5300	4.2970	0.5309	12.10	9.63	8.21	6.05	4.33

<b>CHEROKEE</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	59.4800	11.2700	0.8340	5.81	4.65	3.90	2.67	1.69
5	51.1000	9.6280	0.7507	6.82	5.47	4.61	3.23	2.11
10	47.2500	8.5880	0.7019	7.57	6.07	5.14	3.64	2.43
25	39.1700	6.5370	0.6233	8.53	6.82	5.78	4.16	2.86
50	35.8000	5.4720	0.5776	9.22	7.36	6.26	4.56	3.20
100	32.5700	4.3340	0.5327	9.91	7.89	6.72	4.95	3.54

<b>CHESTER</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	62.7100	11.2700	0.8350	6.11	4.88	4.09	2.81	1.78
5	56.3400	10.0900	0.7648	7.07	5.68	4.79	3.35	2.18
10	47.4100	8.3490	0.6954	7.82	6.27	5.30	3.75	2.51
25	40.6500	6.6960	0.6269	8.70	6.96	5.91	4.25	2.92
50	35.7800	5.3460	0.5748	9.34	7.45	6.33	4.61	3.24
100	32.3700	4.2570	0.5305	9.94	7.91	6.74	4.97	3.56

<b>CHESTERFIELD</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	66.8200	11.7000	0.8480	6.14	4.92	4.12	2.83	1.78
5	55.3300	9.9670	0.7588	7.10	5.71	4.82	3.37	2.20
10	49.2000	8.5920	0.7019	7.88	6.32	5.35	3.79	2.53
25	41.5900	6.8150	0.6304	8.77	7.02	5.96	4.28	2.94
50	36.0800	5.3070	0.5739	9.46	7.54	6.41	4.67	3.28
100	32.0300	4.0040	0.5251	10.10	8.01	6.82	5.03	3.61

<b>CLARENDON</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	66.5400	11.3400	0.8380	6.40	5.12	4.29	2.94	1.86
5	57.3800	9.9650	0.7600	7.34	5.90	4.97	3.48	2.27
10	51.3800	8.4830	0.6994	8.33	6.68	5.65	4.00	2.67
25	43.4700	6.6400	0.6248	9.38	7.50	6.37	4.58	3.15
50	40.6400	5.6410	0.5805	10.30	8.24	7.01	5.11	3.58
100	36.0600	4.1400	0.5284	11.20	8.89	7.58	5.58	4.00

<b>COLLETON</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	69.2100	11.3900	0.8370	6.66	5.33	4.47	3.07	1.94
5	59.1000	9.9370	0.7605	7.56	6.07	5.12	3.58	2.34
10	52.9300	8.4110	0.6987	8.63	6.92	5.85	4.14	2.76
25	44.9700	6.6260	0.6252	9.70	7.76	6.58	4.73	3.26
50	40.6200	5.2800	0.5725	10.70	8.53	7.25	5.28	3.71
100	37.7500	4.2330	0.5308	11.60	9.22	7.86	5.79	4.14

<b>DARLINGTON</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	65.6200	11.6900	0.8450	6.08	4.87	4.09	2.81	1.77
5	54.1800	9.7910	0.7565	7.06	5.66	4.78	3.34	2.18
10	49.4300	8.5870	0.7028	7.90	6.34	5.36	3.79	2.53
25	40.7500	6.5490	0.6228	8.88	7.10	6.02	4.33	2.98
50	37.3600	5.4340	0.5768	9.66	7.71	6.56	4.77	3.35
100	33.8600	4.2460	0.5307	10.40	8.27	7.05	5.19	3.72

<b>DILLON</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	63.5900	11.3200	0.8350	6.18	4.94	4.14	2.84	1.80
5	56.3600	9.9160	0.7588	7.25	5.82	4.91	3.44	2.25
10	50.0700	8.5540	0.7011	8.05	6.46	5.47	3.87	2.58
25	41.8400	6.6020	0.6242	9.06	7.24	6.15	4.42	3.04
50	37.8500	5.4170	0.5758	9.82	7.83	6.66	4.85	3.41
100	35.0700	4.5340	0.5349	10.50	8.38	7.15	5.27	3.77

<b>DORCHESTER</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	68.8400	11.2600	0.8350	6.71	5.36	4.50	3.08	1.95
5	58.1100	9.7960	0.7549	7.60	6.10	5.15	3.60	2.36
10	53.3200	8.4420	0.6986	8.68	6.96	5.89	4.17	2.78
25	45.3300	6.6420	0.6257	9.76	7.80	6.62	4.76	3.28
50	40.5700	5.1540	0.5710	10.80	8.59	7.30	5.31	3.74
100	37.8800	4.1800	0.5299	11.70	9.29	7.92	5.83	4.18

EDGEFIELD								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	62.9900	11.2500	0.8340	6.16	4.92	4.13	2.83	1.79
5	56.8600	10.0700	0.7650	7.14	5.73	4.84	3.38	2.20
10	47.5700	8.2840	0.6936	7.91	6.34	5.36	3.80	2.54
25	41.7700	6.7270	0.6284	8.89	7.11	6.04	4.34	2.98
50	37.2700	5.4580	0.5769	9.62	7.68	6.53	4.76	3.34
100	34.8800	4.6290	0.5386	10.30	8.22	7.02	5.17	3.69

FAIRFIELD								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	64.4900	11.5800	0.8430	6.04	4.84	4.06	2.78	1.76
5	54.6000	10.0100	0.7599	6.97	5.60	4.73	3.31	2.16
10	47.6400	8.4770	0.6982	7.75	6.22	5.26	3.73	2.49
25	39.8600	6.5420	0.6232	8.68	6.94	5.88	4.23	2.91
50	36.4400	5.4770	0.5782	9.37	7.48	6.36	4.63	3.25
100	31.9400	3.9540	0.5252	10.10	8.00	6.81	5.02	3.60

FLORENCE								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	66.7000	11.5700	0.8440	6.24	4.99	4.19	2.87	1.81
5	56.1300	9.9080	0.7601	7.20	5.78	4.87	3.41	2.22
10	48.7400	8.2340	0.6930	8.14	6.52	5.51	3.90	2.61
25	42.7900	6.6630	0.6271	9.17	7.33	6.22	4.47	3.07
50	39.7100	5.7030	0.5818	10.00	8.00	6.81	4.96	3.48
100	36.3300	4.5790	0.5369	10.80	8.62	7.36	5.42	3.88

GEORGETOWN								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	72.2600	11.40	0.8380	6.93	5.55	4.65	3.19	2.02
5	61.8000	9.9120	0.7585	7.96	6.39	5.39	3.77	2.47
10	55.8900	8.5230	0.7003	9.02	7.24	6.12	4.33	2.90
25	46.1100	6.3850	0.6202	10.20	8.14	6.90	4.96	3.42
50	42.0400	5.1540	0.5707	11.20	8.91	7.57	5.51	3.88
100	39.0600	4.1520	0.5293	12.10	9.61	8.19	6.03	4.32

GREENVILLE								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	61.6100	11.7600	0.8470	5.66	4.54	3.81	2.61	1.65
5	52.8900	10.0300	0.7635	6.68	5.36	4.53	3.16	2.06
10	45.8300	8.4590	0.6988	7.45	5.97	5.05	3.58	2.39
25	38.8900	6.5700	0.6240	8.44	6.74	5.72	4.12	2.83
50	35.0000	5.3400	0.5733	9.17	7.32	6.22	4.53	3.19
100	32.5700	4.3340	0.5327	9.91	7.89	6.72	4.95	3.54

GREENWOOD								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	64.8600	11.7700	0.8500	5.90	4.73	3.97	2.72	1.72
5	53.4100	9.9200	0.7583	6.88	5.53	4.66	3.26	2.13
10	47.0000	8.4540	0.6989	7.64	6.13	5.18	3.67	2.45
25	39.3200	6.5260	0.6218	8.60	6.87	5.83	4.20	2.89
50	36.3800	5.5420	0.5792	9.30	7.43	6.32	4.60	3.23
100	32.7600	4.3240	0.5315	10.00	7.96	6.79	5.00	3.58

HAMPTON								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	71.0400	11.5400	0.8430	6.67	5.34	4.48	3.07	1.94
5	61.0900	10.1400	0.7650	7.64	6.14	5.18	3.62	2.36
10	53.3200	8.5150	0.6994	8.63	6.92	5.86	4.15	2.77
25	44.4300	6.5190	0.6227	9.70	7.75	6.57	4.73	3.25
50	41.1200	5.4490	0.5777	10.60	8.46	7.19	5.23	3.67
100	38.1400	4.5260	0.5357	11.40	9.10	7.76	5.72	4.09

HORRY								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	71.9300	11.4900	0.8430	6.77	5.42	4.54	3.11	1.97
5	62.9900	10.1500	0.7653	7.87	6.33	5.34	3.73	2.44
10	53.7300	8.3960	0.6963	8.82	7.07	5.98	4.24	2.83
25	46.2300	6.6460	0.6253	9.96	7.97	6.76	4.86	3.35
50	41.2800	5.2140	0.5730	10.90	8.68	7.37	5.36	3.77
100	38.9600	4.4900	0.5346	11.70	9.33	7.96	5.87	4.20

<b>JASPER</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	73.2500	11.3600	0.8360	7.08	5.67	4.75	3.26	2.07
5	64.1700	9.9350	0.7605	8.21	6.59	5.56	3.89	2.54
10	55.6700	8.3620	0.6957	9.17	7.35	6.22	4.40	2.95
25	47.0900	6.5050	0.6222	10.30	8.23	6.98	5.02	3.46
50	42.7100	5.2930	0.5741	11.20	8.92	7.59	5.52	3.88
100	39.9300	4.4700	0.5347	12.00	9.57	8.16	6.01	4.30

<b>KERSHAW</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	63.4000	11.8000	0.8490	5.78	4.63	3.89	2.67	1.68
5	52.8900	10.0300	0.7635	6.68	5.36	4.53	3.16	2.06
10	46.0900	8.5320	0.6991	7.46	5.99	5.07	3.59	2.40
25	38.5700	6.5840	0.6247	8.35	6.67	5.66	4.07	2.80
50	34.8800	5.4030	0.5761	9.05	7.22	6.14	4.47	3.14
100	31.4300	4.2320	0.5299	9.68	7.70	6.56	4.83	3.46

<b>LANCASTER</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	62.4300	11.2900	0.8370	6.04	4.83	4.05	2.77	1.76
5	53.9700	9.8340	0.7574	7.00	5.62	4.74	3.31	2.16
10	47.0200	8.3940	0.6963	7.72	6.19	5.24	3.71	2.48
25	39.4500	6.6100	0.6241	8.54	6.83	5.80	4.17	2.87
50	35.4400	5.4900	0.5776	9.12	7.28	6.19	4.51	3.17
100	31.4300	4.2610	0.5304	9.65	7.68	6.55	4.82	3.45

<b>LAURENS</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	64.8600	11.7700	0.8500	5.90	4.73	3.97	2.72	1.72
5	54.8100	10.0700	0.7639	6.90	5.54	4.68	3.27	2.13
10	47.6300	8.5110	0.7009	7.68	6.16	5.21	3.69	2.46
25	39.6900	6.5450	0.6223	8.66	6.92	5.87	4.23	2.91
50	36.6700	5.5400	0.5789	9.38	7.49	6.37	4.64	3.26
100	33.4900	4.4440	0.5339	10.10	8.05	6.87	5.06	3.62



<b>LEE</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	62.8100	11.4300	0.8400	5.98	4.79	4.01	2.75	1.74
5	54.8100	10.0700	0.7639	6.90	5.54	4.68	3.27	2.13
10	48.4200	8.5800	0.7019	7.76	6.23	5.27	3.73	2.49
25	40.1800	6.5410	0.6236	8.74	6.98	5.92	4.26	2.93
50	36.5400	5.3910	0.5746	9.52	7.60	6.46	4.71	3.31
100	32.7800	4.0130	0.5265	10.30	8.17	6.95	5.12	3.67

<b>LEXINGTON</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	67.7200	11.5600	0.8440	6.34	5.07	4.25	2.91	1.84
5	56.5100	9.9040	0.7596	7.26	5.83	4.91	3.44	2.24
10	50.4500	8.5610	0.7011	8.11	6.51	5.51	3.90	2.60
25	42.0500	6.6030	0.6240	9.11	7.28	6.18	4.45	3.06
50	38.1900	5.4160	0.5756	9.91	7.91	6.73	4.90	3.44
100	34.3300	4.1110	0.5277	10.70	8.49	7.24	5.33	3.82

<b>MARION</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	67.2100	11.4500	0.8390	6.41	5.13	4.31	2.95	1.87
5	58.0500	9.9530	0.7605	7.42	5.96	5.03	3.51	2.30
10	52.0100	8.5600	0.7012	8.36	6.71	5.67	4.02	2.68
25	43.8300	6.6560	0.6252	9.44	7.55	6.41	4.61	3.17
50	40.7500	5.6860	0.5806	10.30	8.24	7.02	5.11	3.59
100	36.0600	4.1400	0.5284	11.20	8.89	7.58	5.58	4.00

<b>MARLBORO</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	66.6400	11.7700	0.8500	6.07	4.86	4.08	2.79	1.76
5	57.1800	10.1800	0.7669	7.10	5.71	4.82	3.37	2.19
10	48.4200	8.4650	0.6983	7.88	6.32	5.35	3.79	2.53
25	41.4500	6.7310	0.6280	8.83	7.07	6.00	4.31	2.96
50	37.0600	5.4740	0.5777	9.54	7.62	6.48	4.72	3.31
100	33.3300	4.3090	0.5308	10.20	8.12	6.92	5.10	3.66

<b>McCORMICK</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	63.7800	11.5100	0.8440	5.98	4.79	4.01	2.75	1.74
5	54.2000	9.9820	0.7604	6.92	5.56	4.69	3.28	2.14
10	46.7600	8.4050	0.6970	7.66	6.14	5.19	3.68	2.46
25	39.9200	6.6600	0.6259	8.58	6.86	5.82	4.19	2.88
50	35.6200	5.4100	0.5751	9.26	7.39	6.29	4.58	3.22
100	32.3600	4.2460	0.5306	9.94	7.90	6.74	4.96	3.55

<b>NEWBERRY</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	65.1900	11.5500	0.8420	6.14	4.91	4.12	2.83	1.79
5	53.5200	9.6360	0.7517	7.12	5.71	4.81	3.37	2.20
10	48.4200	8.4650	0.6983	7.88	6.32	5.35	3.79	2.53
25	40.9000	6.5770	0.6246	8.86	7.08	6.00	4.32	2.97
50	36.6400	5.3670	0.5745	9.56	7.63	6.49	4.72	3.32
100	32.7800	4.0130	0.5265	10.30	8.17	6.95	5.12	3.67

<b>OCONEE</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	58.4100	11.4100	0.8410	5.55	4.44	3.72	2.55	1.61
5	50.9500	9.8300	0.7585	6.59	5.29	4.46	3.11	2.03
10	45.6800	8.5320	0.7008	7.36	5.90	4.99	3.53	2.36
25	38.5700	6.5840	0.6247	8.35	6.67	5.66	4.07	2.80
50	35.3500	5.5160	0.5777	9.08	7.25	6.17	4.49	3.16
100	32.0600	4.2660	0.5310	9.83	7.82	6.66	4.91	3.52

<b>ORANGEBURG</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	65.7300	11.5000	0.8390	6.26	5.01	4.20	2.89	1.83
5	54.9500	9.9720	0.7593	7.04	5.66	4.77	3.34	2.18
10	49.5900	8.4860	0.6983	8.06	6.47	5.47	3.88	2.59
25	42.5200	6.6960	0.6278	9.08	7.26	6.16	4.43	3.04
50	39.7100	5.7030	0.5818	10.00	8.00	6.81	4.96	3.48
100	35.3200	4.2150	0.5294	10.90	8.66	7.39	5.44	3.90

<b>PICKENS</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	60.9800	11.7200	0.8480	5.60	4.48	3.76	2.58	1.63
5	50.6300	9.8010	0.7573	6.58	5.28	4.45	3.11	2.03
10	45.3000	8.4950	0.7009	7.31	5.86	4.96	3.51	2.34
25	38.2300	6.6560	0.6259	8.22	6.57	5.58	4.01	2.76
50	34.1700	5.3560	0.5745	8.92	7.11	6.05	4.41	3.10
100	31.2400	4.2350	0.5303	9.61	7.64	6.51	4.80	3.44

<b>RICHLAND</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	63.5900	11.3200	0.8350	6.18	4.94	4.14	2.84	1.80
5	54.9500	9.9720	0.7593	7.04	5.66	4.77	3.34	2.18
10	50.0800	8.6690	0.7047	7.93	6.37	5.39	3.81	2.54
25	41.5400	6.6990	0.6264	8.90	7.12	6.04	4.35	2.99
50	37.5500	5.4330	0.5759	9.73	7.77	6.61	4.81	3.38
100	34.0700	4.2260	0.5297	10.50	8.35	7.12	5.24	3.76

<b>SALUDA</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	64.5400	11.3900	0.8390	6.18	4.94	4.14	2.84	1.80
5	55.1900	9.8610	0.7573	7.15	5.74	4.84	3.39	2.21
10	50.0800	8.6690	0.7047	7.93	6.37	5.39	3.81	2.54
25	41.3300	6.5950	0.6253	8.93	7.14	6.05	4.35	2.99
50	37.1900	5.3970	0.5752	9.67	7.72	6.56	4.78	3.36
100	33.8600	4.2460	0.5307	10.40	8.27	7.05	5.19	3.72

<b>SPARTANBURG</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	60.1400	11.3700	0.8400	5.75	4.59	3.85	2.64	1.67
5	53.2600	10.0200	0.7629	6.74	5.41	4.57	3.19	2.08
10	46.2200	8.4670	0.6988	7.51	6.02	5.10	3.61	2.41
25	39.4900	6.6780	0.6259	8.48	6.78	5.76	4.14	2.85
50	35.4700	5.3850	0.5757	9.22	7.35	6.25	4.55	3.20
100	32.3900	4.2450	0.5307	9.95	7.91	6.74	4.97	3.56

<b>SUMTER</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	68.6000	11.6900	0.8480	6.30	5.05	4.23	2.90	1.83
5	53.9000	9.6340	0.7512	7.18	5.76	4.86	3.40	2.22
10	50.9900	8.5850	0.7028	8.15	6.54	5.53	3.91	2.61
25	42.7900	6.6630	0.6271	9.17	7.33	6.22	4.47	3.07
50	38.5300	5.3070	0.5739	10.10	8.05	6.84	4.98	3.50
100	36.0600	4.3990	0.5340	10.90	8.68	7.40	5.45	3.90

<b>UNION</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	65.3600	11.7200	0.8470	6.01	4.82	4.04	2.77	1.75
5	54.4600	9.9030	0.7583	7.02	5.64	4.76	3.33	2.17
10	47.4100	8.4020	0.6963	7.78	6.24	5.28	3.74	2.50
25	40.0500	6.5630	0.6228	8.72	6.97	5.92	4.26	2.93
50	36.4400	5.4530	0.5773	9.40	7.50	6.38	4.64	3.26
100	32.1600	4.0200	0.5266	10.10	8.01	6.82	5.02	3.60

<b>WILLIAMSBURG</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	72.0500	11.7900	0.8500	6.55	5.25	4.40	3.02	1.91
5	58.5000	9.9520	0.7585	7.52	6.04	5.10	3.57	2.33
10	52.3100	8.4330	0.6977	8.54	6.85	5.79	4.10	2.74
25	44.6100	6.6100	0.6248	9.64	7.71	6.54	4.70	3.24
50	40.0900	5.2390	0.5719	10.60	8.44	7.18	5.23	3.68
100	36.5500	4.0190	0.5257	11.50	9.12	7.77	5.72	4.10

<b>YORK</b>								
Frequency (years)	Rational Coefficients			Rainfall Intensity (" /hr) for Time of Concentration (T <sub>c</sub> )				
	a	b	c	T <sub>c</sub> = 5	T <sub>c</sub> = 10	T <sub>c</sub> = 15	T <sub>c</sub> = 30	T <sub>c</sub> = 60
2	63.2000	11.6200	0.8440	5.90	4.72	3.96	2.72	1.72
5	52.9200	9.8490	0.7573	6.86	5.51	4.64	3.25	2.12
10	48.1500	8.7250	0.7059	7.58	6.09	5.15	3.64	2.43
25	39.4100	6.6540	0.6270	8.45	6.76	5.73	4.12	2.83
50	35.2600	5.4910	0.5785	9.05	7.22	6.15	4.47	3.14
100	31.6400	4.3530	0.5326	9.62	7.66	6.53	4.81	3.44