

THE RANCH PLAN PLANNED COMMUNITY
PLANNING AREAS 3 AND 4 RUNOFF MANAGEMENT PLAN

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INTERNATIONAL

TECHNICAL APPENDIX F.7

**PA-1, -2, & -3 Constructed
Regional Rainfall Data**

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Table E-1 Orange County Rainfall Depth for Design Storm Events

Storm Event	Rainfall Input	5 min	30 min	1 hour	3 hour	6 hour	24 hour
Non-Mountainous (inches)							
100-Year HC ¹	100-Year ³	0.52	1.09	1.45	2.43	3.36	5.63
	50-Year ³	0.45	0.98	1.30	2.19	3.02	5.07
100-Year EV ²	25-Year ³	0.40	0.87	1.15	1.94	2.71	4.49
50-Year EV	15-Year ⁴	0.37	0.80	1.06	1.78	2.47	4.12
25-Year EV	10-Year ³	0.34	0.72	0.95	1.59	2.20	3.68
10-Year EV	5-Year ³	0.26	0.59	0.78	1.31	1.81	3.03
5-Year EV	5-Year * 0.7	0.18	0.41	0.55	0.92	1.27	2.12
	2-Year ³	0.19	0.40	0.53	0.89	1.22	2.05
2-Year EV	2-Year * 0.7	0.13	0.28	0.37	0.62	0.85	1.44
Mountainous (inches)							
100-Year HC	100-Year	0.78	1.34	1.94	3.96	6.19	11.27
	50-Year	0.71	1.19	1.73	3.52	5.51	10.02
100-Year EV	25-Year	0.63	1.04	1.51	3.08	4.81	8.76
50-Year EV	15-Year	0.56	0.95	1.38	2.82	4.40	8.01
25-Year EV	10-Year	0.50	0.84	1.22	2.48	3.87	7.05
10-Year EV	5-Year	0.40	0.68	0.99	2.01	3.14	5.71
5-Year EV	5-Year * 0.7	0.28	0.48	0.69	1.41	2.20	4.00
	2-Year	0.26	0.45	0.66	1.34	2.09	3.81
2-Year EV	2-Year * 0.7	0.18	0.32	0.46	0.94	1.46	2.67

Note:

1. HC: High Confidence, See Definition in OCHM Addendum No. 1, 1995
2. EV: Expected Value, See Definition in OCHM Addendum No. 1, 1995
3. The rainfall depth is read from OCHM Table B.2 for both Mountainous and Non-Mountainous area (see attached table)
4. 15-Year rainfall depth is derived by Orange County (see attached letter from County)

Table E-1A Orange County Rainfall Depth for Multi-Day Design Storm Events

Storm Event	Rainfall Input	5 min	30 min	1 hour	3 hour	6 hour	24 hour	2 Day	3 Day	4 Day	5 Day
Non-Mountaneous (inches)											
100-Year HC ¹	100-Year ³	0.52	1.09	1.45	2.43	3.36	5.63	8.22	9.35	9.95	10.38
	50-Year ³	0.45	0.98	1.30	2.19	3.02	5.07	7.35	8.35	8.86	9.25
100-Year EV ²	25-Year ³	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
50-Year EV	15-Year ⁴	0.37	0.80	1.06	1.78	2.47	4.12				
25-Year EV	10-Year ³	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
10-Year EV	5-Year ³	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
5-Year EV	5-Year * 0.7	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
	2-Year ³	0.19	0.40	0.53	0.89	1.22	2.05	2.76	3.08	3.21	3.36
2-Year EV	2-Year * 0.7	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
Mountaneous (inches)											
100-Year HC	100-Year	0.78	1.34	1.94	3.96	6.19	11.27	16.52	18.98	20.05	20.99
	50-Year	0.71	1.19	1.73	3.52	5.51	10.02	14.68	16.79	17.74	18.63
100-Year EV	25-Year	0.63	1.04	1.51	3.08	4.81	8.76	12.81	14.58	15.40	16.24
50-Year EV	15-Year	0.56	0.95	1.38	2.82	4.40	8.01				
25-Year EV	10-Year	0.50	0.84	1.22	2.48	3.87	7.05	10.26	11.58	12.23	12.98
10-Year EV	5-Year	0.40	0.68	0.99	2.01	3.14	5.71	8.25	9.23	9.75	10.40
5-Year EV	5-Year * 0.7	0.28	0.48	0.69	1.41	2.20	4.00	5.78	6.46	6.83	7.28
	2-Year	0.26	0.45	0.66	1.34	2.09	3.81	5.33	5.89	6.22	6.66
2-Year EV	2-Year * 0.7	0.18	0.32	0.46	0.94	1.46	2.67	3.73	4.12	4.35	4.66

Note:

1. HC: High Confidence, See Definition in OCHM Addendum No. 1, 1995
2. EV: Expected Value, See Definition in OCHM Addendum No. 1, 1995
3. The rainfall depth is read from OCHM Table B.2 for both Mountaneous and Non-Mountaneous area (see attached table)
4. 15-Year rainfall depth is derived by Orange County (see attached letter from County)

Table E-2 Orange County Rainfall Intensity for Design Storm Events

Storm Event	Rainfall Input	Coefficient		Duration (minutes)													
				5	10	15	20	25	30	40	50	60	90	120	180	360	1440
		a	b	Non-Mountainous (inches/hour)													
100-Year HC ¹	100-Year	15.560	-0.573	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
	50-Year	13.521	-0.566	5.40	3.67	2.92	2.48	2.19	1.96	1.68	1.48	1.30	1.06	0.90	0.73	0.50	0.21
100-Year EV ²	25-Year	11.995	-0.566	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
50-Year EV	15-Year	11.160	-0.569	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
25-Year EV	10-Year	10.209	-0.573	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
10-Year EV	5-Year	7.870	-0.562	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
5-Year EV	5-Year * 0.7			2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
	2-Year	5.702	-0.574	2.28	1.52	1.20	1.02	0.90	0.80	0.69	0.60	0.53	0.43	0.37	0.30	0.20	0.09
2-Year EV*	2-Year * 0.7			1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
				Mountainous (inches/hour)													
100-Year HC	100-Year			9.36	6.15	4.53	3.61	3.12	2.68	2.36	2.13	1.94	1.71	1.53	1.32	1.03	0.47
	50-Year			8.52	0.00	0.00	0.00	0.00	2.38	0.00	0.00	1.73	0.00	0.00	1.17	0.92	0.42
100-Year EV	25-Year			7.56	4.62	3.47	2.76	2.34	2.08	1.82	1.54	1.51	1.32	1.19	1.03	0.80	0.37
50-Year EV	15-Year			6.72	4.09	3.02	2.48	2.10	1.90	1.59	1.43	1.38	1.17	1.04	0.94	0.73	0.33
25-Year EV	10-Year			6.00	3.82	2.81	2.26	1.95	1.68	1.49	1.33	1.22	1.06	0.96	0.83	0.65	0.29
10-Year EV	5-Year			4.80	3.08	2.09	1.80	1.55	1.36	1.19	1.07	0.99	0.85	0.78	0.67	0.52	0.24
5-Year EV	5-Year * 0.7			3.36	2.16	1.46	1.26	1.09	0.95	0.83	0.75	0.69	0.60	0.55	0.47	0.37	0.17
	2-Year			3.12	2.08	1.53	1.21	1.02	0.90	0.78	0.70	0.66	0.58	0.52	0.45	0.35	0.16
2-Year EV	2-Year * 0.7			2.18	1.46	1.07	0.85	0.71	0.63	0.55	0.49	0.46	0.41	0.36	0.31	0.24	0.11

Note:

1. HC: High Confidence, See Definition in OCHM Addendum No. 1, 1995
2. EV: Expected Value, See Definition in OCHM Addendum No. 1, 1995
3. The rainfall intensities for duration listed in Table E-1 are read from that table directly
4. The non-mountainous area rainfall intensities for other durations are calculated based on regression equation (See OCHM Figure B-3).
5. The mountainous area rainfall intensities for other durations are read from OCHM Figure B-4.

Table E-3: 100-Year High Confidence Weighted Rainfall Intensities (inch/hour)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
S1	2134	0.95734	0.04266	9.23	6.07	4.48	3.58	3.09	2.66	2.34	2.11	1.92	1.69	1.51	1.30	1.01	0.46
S2	1841	0.97669	0.02331	9.29	6.10	4.50	3.59	3.10	2.67	2.35	2.12	1.93	1.70	1.52	1.31	1.02	0.46
S3	2861	0.98360	0.01640	9.31	6.12	4.51	3.60	3.11	2.67	2.35	2.12	1.93	1.70	1.52	1.31	1.02	0.47
S4	1472	0.84026	0.15974	8.86	5.83	4.33	3.48	3.01	2.60	2.28	2.05	1.86	1.63	1.45	1.24	0.96	0.43
S5	918	0.84779	0.15221	8.89	5.85	4.34	3.49	3.02	2.60	2.29	2.06	1.87	1.63	1.45	1.24	0.96	0.43
S6	1312	0.60328	0.39672	8.12	5.36	4.04	3.29	2.86	2.48	2.17	1.94	1.75	1.50	1.32	1.12	0.84	0.38
S7	1965	0.92267	0.07733	9.12	6.00	4.43	3.55	3.07	2.64	2.32	2.09	1.90	1.67	1.49	1.28	1.00	0.45
S8	2269	0.44815	0.55185	7.64	5.05	3.85	3.16	2.76	2.40	2.09	1.87	1.67	1.42	1.24	1.04	0.77	0.34
S9	1828	0.70069	0.29931	8.43	5.55	4.16	3.37	2.92	2.53	2.22	1.99	1.79	1.55	1.37	1.17	0.89	0.40
S10	934	0.05226	0.94774	6.40	4.26	3.36	2.84	2.49	2.21	1.90	1.68	1.48	1.21	1.03	0.84	0.58	0.25
S11	1487	0.99977	0.00023	9.36	6.15	4.53	3.61	3.12	2.68	2.36	2.13	1.94	1.71	1.53	1.32	1.03	0.47
S12	2371	0.84578	0.15422	8.88	5.84	4.34	3.48	3.02	2.60	2.29	2.06	1.86	1.63	1.45	1.24	0.96	0.43
S13	2224	0.26353	0.73647	7.06	4.68	3.62	3.01	2.63	2.31	2.01	1.78	1.58	1.32	1.14	0.94	0.68	0.30
S14	1572	0.24208	0.75792	7.00	4.64	3.60	2.99	2.62	2.30	2.00	1.77	1.57	1.31	1.13	0.93	0.67	0.29
S15	2311	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S16	3204	0.51730	0.48270	7.85	5.19	3.93	3.22	2.80	2.44	2.13	1.90	1.70	1.45	1.27	1.07	0.80	0.36
S17	1188	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S18	1028	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S19.1	2669	0.16894	0.83106	6.77	4.50	3.51	2.93	2.57	2.26	1.96	1.73	1.53	1.27	1.09	0.90	0.64	0.27
S19.2	689	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S20	1914	0.95461	0.04539	9.22	6.06	4.47	3.57	3.09	2.66	2.34	2.11	1.92	1.69	1.51	1.30	1.01	0.46
S21	1774	0.53053	0.46947	7.90	5.22	3.95	3.23	2.81	2.45	2.13	1.91	1.71	1.46	1.28	1.08	0.81	0.36
S22	3743	0.15175	0.84825	6.71	4.46	3.48	2.92	2.56	2.26	1.95	1.73	1.52	1.26	1.08	0.89	0.63	0.27
S23	1584	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S24	1873	0.13705	0.86295	6.67	4.43	3.47	2.91	2.55	2.25	1.95	1.72	1.52	1.25	1.07	0.88	0.62	0.27
S25	2350	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S26	894	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S27	2031	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S28	1066	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S29	852	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S30	2016	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S31	1781	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S32	1128	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S33	1716	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S34	1706	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S35	1580	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S36	2280	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S37	1241	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S38	1304	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23
S39	428	0.00000	1.00000	6.24	4.16	3.30	2.80	2.46	2.18	1.88	1.65	1.45	1.18	1.00	0.81	0.56	0.23

Table E-4: 100-Year Expected Value Weighted Rainfall Intensities (inch/hour)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
S1	2134	0.95734	0.04266	7.44	4.56	3.43	2.74	2.32	2.07	1.81	1.53	1.49	1.30	1.17	1.01	0.79	0.36
S2	1841	0.97669	0.02331	7.50	4.59	3.45	2.75	2.33	2.07	1.81	1.53	1.50	1.31	1.18	1.02	0.79	0.36
S3	2861	0.98360	0.01640	7.51	4.60	3.46	2.75	2.33	2.07	1.81	1.54	1.50	1.31	1.18	1.02	0.80	0.36
S4	1472	0.84026	0.15974	7.12	4.40	3.33	2.67	2.28	2.03	1.77	1.50	1.45	1.26	1.13	0.97	0.75	0.34
S5	918	0.84779	0.15221	7.14	4.41	3.34	2.67	2.28	2.03	1.77	1.51	1.46	1.26	1.13	0.97	0.75	0.34
S6	1312	0.60328	0.39672	6.47	4.08	3.12	2.54	2.18	1.95	1.69	1.45	1.37	1.17	1.03	0.88	0.66	0.29
S7	1965	0.92267	0.07733	7.35	4.51	3.40	2.72	2.31	2.05	1.79	1.52	1.48	1.29	1.16	1.00	0.77	0.35
S8	2269	0.44815	0.55185	6.04	3.87	2.98	2.45	2.12	1.89	1.64	1.41	1.31	1.11	0.97	0.82	0.61	0.27
S9	1828	0.70069	0.29931	6.73	4.21	3.21	2.59	2.22	1.98	1.72	1.47	1.40	1.21	1.07	0.91	0.70	0.31
S10	934	0.05226	0.94774	4.94	3.33	2.64	2.23	1.96	1.76	1.50	1.32	1.17	0.96	0.82	0.67	0.47	0.20
S11	1487	0.99977	0.00023	7.56	4.62	3.47	2.76	2.34	2.08	1.82	1.54	1.51	1.32	1.19	1.03	0.80	0.36
S12	2371	0.84578	0.15422	7.13	4.41	3.33	2.67	2.28	2.03	1.77	1.50	1.45	1.26	1.13	0.97	0.75	0.34
S13	2224	0.26353	0.73647	5.53	3.62	2.82	2.35	2.05	1.83	1.57	1.37	1.24	1.04	0.90	0.75	0.54	0.23
S14	1572	0.24208	0.75792	5.47	3.59	2.80	2.34	2.04	1.82	1.57	1.37	1.24	1.03	0.89	0.74	0.54	0.23
S15	2311	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S16	3204	0.51730	0.48270	6.23	3.96	3.05	2.49	2.15	1.92	1.66	1.43	1.34	1.14	1.00	0.84	0.63	0.28
S17	1188	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S18	1028	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S19.1	2669	0.16894	0.83106	5.27	3.49	2.74	2.30	2.01	1.80	1.54	1.35	1.21	1.00	0.86	0.71	0.51	0.22
S19.2	689	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S20	1914	0.95461	0.04539	7.43	4.56	3.43	2.73	2.32	2.06	1.80	1.53	1.49	1.30	1.17	1.01	0.79	0.36
S21	1774	0.53053	0.46947	6.26	3.98	3.06	2.50	2.15	1.92	1.66	1.43	1.34	1.14	1.01	0.85	0.64	0.28
S22	3743	0.15175	0.84825	5.22	3.46	2.72	2.29	2.00	1.79	1.54	1.35	1.20	1.00	0.86	0.70	0.50	0.21
S23	1584	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S24	1873	0.13705	0.86295	5.18	3.44	2.71	2.28	1.99	1.79	1.53	1.34	1.20	0.99	0.85	0.70	0.50	0.21
S25	2350	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S26	894	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S27	2031	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S28	1066	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S29	852	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S30	2016	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S31	1781	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S32	1128	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S33	1716	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S34	1706	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S35	1580	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S36	2280	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S37	1241	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S38	1304	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19
S39	428	0.00000	1.00000	4.80	3.26	2.59	2.20	1.94	1.74	1.49	1.31	1.15	0.94	0.80	0.65	0.45	0.19

Table E-5: 50-Year Expected Value Weighted Rainfall Intensities (inch/hour)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
S1	2134	0.95734	0.04266	6.62	4.04	2.99	2.46	2.09	1.89	1.58	1.42	1.37	1.16	1.03	0.93	0.72	0.33
S2	1841	0.97669	0.02331	6.67	4.06	3.01	2.47	2.09	1.89	1.58	1.42	1.37	1.16	1.03	0.93	0.73	0.33
S3	2861	0.98360	0.01640	6.68	4.07	3.01	2.47	2.09	1.90	1.59	1.43	1.37	1.16	1.03	0.93	0.73	0.33
S4	1472	0.84026	0.15974	6.36	3.92	2.92	2.41	2.05	1.85	1.55	1.39	1.33	1.12	0.99	0.88	0.68	0.31
S5	918	0.84779	0.15221	6.37	3.93	2.92	2.41	2.05	1.85	1.56	1.40	1.33	1.12	0.99	0.89	0.68	0.31
S6	1312	0.60328	0.39672	5.82	3.66	2.77	2.30	1.98	1.78	1.50	1.34	1.25	1.05	0.92	0.80	0.61	0.27
S7	1965	0.92267	0.07733	6.54	4.01	2.97	2.45	2.08	1.88	1.57	1.41	1.36	1.15	1.02	0.91	0.71	0.32
S8	2269	0.44815	0.55185	5.46	3.49	2.67	2.23	1.93	1.73	1.47	1.31	1.20	1.00	0.87	0.75	0.56	0.24
S9	1828	0.70069	0.29931	6.04	3.77	2.83	2.35	2.01	1.81	1.52	1.36	1.28	1.08	0.95	0.84	0.64	0.29
S10	934	0.05226	0.94774	4.56	3.07	2.42	2.05	1.80	1.62	1.38	1.22	1.08	0.88	0.75	0.61	0.43	0.18
S11	1487	0.99977	0.00023	6.72	4.09	3.02	2.48	2.10	1.90	1.59	1.43	1.38	1.17	1.04	0.94	0.73	0.33
S12	2371	0.84578	0.15422	6.37	3.92	2.92	2.41	2.05	1.85	1.56	1.40	1.33	1.12	0.99	0.89	0.68	0.31
S13	2224	0.26353	0.73647	5.04	3.30	2.56	2.15	1.87	1.68	1.43	1.26	1.14	0.94	0.81	0.68	0.50	0.21
S14	1572	0.24208	0.75792	4.99	3.27	2.54	2.14	1.86	1.67	1.42	1.26	1.14	0.94	0.81	0.68	0.49	0.21
S15	2311	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S16	3204	0.51730	0.48270	5.62	3.57	2.72	2.26	1.95	1.76	1.48	1.32	1.23	1.02	0.89	0.77	0.58	0.26
S17	1188	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S18	1028	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S19.1	2669	0.16894	0.83106	4.83	3.19	2.50	2.11	1.84	1.65	1.41	1.24	1.11	0.91	0.78	0.65	0.47	0.20
S19.2	689	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S20	1914	0.95461	0.04539	6.62	4.04	2.99	2.46	2.09	1.89	1.58	1.42	1.37	1.16	1.03	0.92	0.72	0.33
S21	1774	0.53053	0.46947	5.65	3.58	2.72	2.27	1.95	1.76	1.49	1.32	1.23	1.03	0.90	0.78	0.58	0.26
S22	3743	0.15175	0.84825	4.79	3.17	2.49	2.10	1.83	1.65	1.40	1.24	1.11	0.91	0.78	0.65	0.46	0.20
S23	1584	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S24	1873	0.13705	0.86295	4.75	3.16	2.48	2.09	1.83	1.64	1.40	1.24	1.10	0.90	0.77	0.64	0.46	0.19
S25	2350	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S26	894	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S27	2031	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S28	1066	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S29	852	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S30	2016	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S31	1781	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S32	1128	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S33	1716	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S34	1706	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17
S35	1580	0.00000	1.00000	4.44	3.01	2.39	2.03	1.79	1.60	1.37	1.20	1.06	0.86	0.73	0.59	0.41	0.17

Table E-6: 25-Year Expected Value Weighted Rainfall Intensities (inch/hour)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
S1	2134	0.95734	0.04266	5.92	3.77	2.78	2.24	1.94	1.67	1.48	1.32	1.21	1.05	0.95	0.81	0.63	0.29
S2	1841	0.97669	0.02331	5.96	3.79	2.79	2.25	1.94	1.67	1.48	1.32	1.21	1.05	0.95	0.82	0.64	0.29
S3	2861	0.98360	0.01640	5.97	3.80	2.80	2.25	1.94	1.68	1.49	1.33	1.22	1.06	0.96	0.82	0.64	0.29
S4	1472	0.84026	0.15974	5.69	3.65	2.71	2.19	1.90	1.64	1.45	1.29	1.18	1.01	0.91	0.78	0.60	0.27
S5	918	0.84779	0.15221	5.71	3.65	2.71	2.20	1.90	1.64	1.45	1.29	1.18	1.02	0.91	0.78	0.60	0.27
S6	1312	0.60328	0.39672	5.24	3.39	2.55	2.09	1.82	1.58	1.39	1.23	1.11	0.95	0.84	0.71	0.53	0.24
S7	1965	0.92267	0.07733	5.85	3.74	2.76	2.23	1.92	1.66	1.47	1.31	1.20	1.04	0.94	0.80	0.62	0.28
S8	2269	0.44815	0.55185	4.94	3.22	2.45	2.03	1.76	1.55	1.35	1.19	1.07	0.90	0.79	0.66	0.49	0.22
S9	1828	0.70069	0.29931	5.43	3.49	2.62	2.13	1.85	1.61	1.41	1.26	1.14	0.97	0.87	0.74	0.56	0.25
S10	934	0.05226	0.94774	4.18	2.79	2.20	1.86	1.63	1.45	1.25	1.10	0.96	0.79	0.67	0.55	0.38	0.16
S11	1487	0.99977	0.00023	6.00	3.82	2.81	2.26	1.95	1.68	1.49	1.33	1.22	1.06	0.96	0.83	0.64	0.29
S12	2371	0.84578	0.15422	5.70	3.65	2.71	2.19	1.90	1.64	1.45	1.29	1.18	1.02	0.91	0.78	0.60	0.27
S13	2224	0.26353	0.73647	4.59	3.02	2.33	1.95	1.70	1.50	1.30	1.15	1.02	0.85	0.74	0.61	0.44	0.19
S14	1572	0.24208	0.75792	4.54	2.99	2.32	1.94	1.70	1.50	1.30	1.14	1.02	0.84	0.73	0.60	0.43	0.19
S15	2311	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S16	3204	0.51730	0.48270	5.07	3.29	2.50	2.05	1.79	1.56	1.37	1.21	1.09	0.92	0.81	0.68	0.51	0.23
S17	1188	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S18	1028	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S19.1	2669	0.16894	0.83106	4.40	2.91	2.27	1.91	1.67	1.48	1.28	1.13	1.00	0.82	0.71	0.58	0.41	0.18
S19.2	689	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S20	1914	0.95461	0.04539	5.91	3.77	2.78	2.24	1.93	1.67	1.48	1.32	1.21	1.05	0.95	0.81	0.63	0.29
S21	1774	0.53053	0.46947	5.10	3.31	2.51	2.06	1.79	1.57	1.37	1.22	1.09	0.93	0.82	0.69	0.51	0.23
S22	3743	0.15175	0.84825	4.37	2.89	2.26	1.90	1.67	1.48	1.27	1.12	0.99	0.82	0.70	0.58	0.41	0.17
S23	1584	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S24	1873	0.13705	0.86295	4.34	2.88	2.25	1.89	1.66	1.47	1.27	1.12	0.99	0.81	0.70	0.57	0.40	0.17
S25	2350	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S26	894	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S27	2031	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S28	1066	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S29	852	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S30	2016	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S31	1781	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S32	1128	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S33	1716	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S34	1706	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15
S35	1580	0.00000	1.00000	4.08	2.73	2.16	1.83	1.61	1.44	1.23	1.09	0.95	0.77	0.66	0.53	0.37	0.15

Table E-7: 10-Year Expected Value Weighted Rainfall Intensities (inch/hour)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
S1	2134	0.95734	0.04266	4.73	3.04	2.07	1.79	1.54	1.35	1.18	1.06	0.98	0.84	0.77	0.66	0.51	0.23
S2	1841	0.97669	0.02331	4.76	3.06	2.08	1.79	1.54	1.36	1.19	1.07	0.99	0.84	0.77	0.66	0.52	0.24
S3	2861	0.98360	0.01640	4.77	3.06	2.08	1.79	1.55	1.36	1.19	1.07	0.99	0.85	0.78	0.67	0.52	0.24
S4	1472	0.84026	0.15974	4.53	2.93	2.03	1.75	1.51	1.33	1.16	1.04	0.96	0.81	0.74	0.63	0.49	0.22
S5	918	0.84779	0.15221	4.54	2.94	2.03	1.75	1.51	1.33	1.16	1.04	0.96	0.82	0.74	0.63	0.49	0.22
S6	1312	0.60328	0.39672	4.13	2.71	1.94	1.67	1.45	1.29	1.11	0.99	0.91	0.76	0.68	0.58	0.44	0.19
S7	1965	0.92267	0.07733	4.67	3.01	2.06	1.77	1.53	1.35	1.17	1.05	0.97	0.83	0.76	0.65	0.51	0.23
S8	2269	0.44815	0.55185	3.87	2.57	1.88	1.61	1.41	1.26	1.08	0.96	0.87	0.73	0.64	0.54	0.40	0.18
S9	1828	0.70069	0.29931	4.30	2.80	1.98	1.70	1.47	1.31	1.13	1.01	0.93	0.78	0.71	0.60	0.46	0.20
S10	934	0.05226	0.94774	3.21	2.21	1.74	1.48	1.30	1.19	1.00	0.88	0.79	0.64	0.55	0.45	0.31	0.13
S11	1487	0.99977	0.00023	4.80	3.08	2.09	1.80	1.55	1.36	1.19	1.07	0.99	0.85	0.78	0.67	0.52	0.24
S12	2371	0.84578	0.15422	4.54	2.94	2.03	1.75	1.51	1.33	1.16	1.04	0.96	0.82	0.74	0.63	0.49	0.22
S13	2224	0.26353	0.73647	3.56	2.40	1.82	1.55	1.36	1.23	1.04	0.93	0.84	0.69	0.60	0.50	0.36	0.16
S14	1572	0.24208	0.75792	3.53	2.38	1.81	1.54	1.35	1.22	1.04	0.92	0.83	0.68	0.59	0.49	0.36	0.15
S15	2311	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S16	3204	0.51730	0.48270	3.99	2.63	1.91	1.64	1.42	1.27	1.09	0.98	0.89	0.74	0.66	0.56	0.42	0.18
S17	1188	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S18	1028	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S19.1	2669	0.16894	0.83106	3.40	2.31	1.78	1.52	1.33	1.21	1.02	0.91	0.82	0.67	0.58	0.48	0.34	0.15
S19.2	689	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S20	1914	0.95461	0.04539	4.72	3.04	2.07	1.78	1.54	1.35	1.18	1.06	0.98	0.84	0.77	0.66	0.51	0.23
S21	1774	0.53053	0.46947	4.01	2.65	1.92	1.64	1.43	1.28	1.10	0.98	0.89	0.75	0.66	0.56	0.42	0.19
S22	3743	0.15175	0.84825	3.37	2.30	1.77	1.51	1.33	1.21	1.02	0.90	0.81	0.66	0.57	0.47	0.34	0.14
S23	1584	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S24	1873	0.13705	0.86295	3.35	2.28	1.77	1.51	1.32	1.20	1.02	0.90	0.81	0.66	0.57	0.47	0.33	0.14
S25	2350	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S26	894	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S27	2031	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S28	1066	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S29	852	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S30	2016	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S31	1781	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S32	1128	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S33	1716	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S34	1706	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13
S35	1580	0.00000	1.00000	3.12	2.16	1.72	1.46	1.29	1.18	0.99	0.87	0.78	0.63	0.53	0.44	0.30	0.13

Table E-8: 5-Year Expected Value Weighted Rainfall Intensities (inch/hour)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
S1	2134	0.95734	0.04266	3.31	2.13	1.45	1.25	1.08	0.95	0.83	0.74	0.69	0.59	0.54	0.46	0.36	0.16
S2	1841	0.97669	0.02331	3.33	2.14	1.46	1.25	1.08	0.95	0.83	0.75	0.69	0.59	0.54	0.47	0.36	0.16
S3	2861	0.98360	0.01640	3.34	2.15	1.46	1.26	1.08	0.95	0.83	0.75	0.69	0.59	0.54	0.47	0.36	0.17
S4	1472	0.84026	0.15974	3.17	2.05	1.42	1.22	1.06	0.93	0.81	0.73	0.67	0.57	0.52	0.44	0.34	0.15
S5	918	0.84779	0.15221	3.18	2.06	1.42	1.22	1.06	0.93	0.81	0.73	0.67	0.57	0.52	0.44	0.34	0.15
S6	1312	0.60328	0.39672	2.89	1.90	1.36	1.17	1.01	0.90	0.78	0.69	0.63	0.53	0.48	0.40	0.30	0.14
S7	1965	0.92267	0.07733	3.27	2.11	1.44	1.24	1.07	0.94	0.82	0.74	0.68	0.58	0.53	0.46	0.35	0.16
S8	2269	0.44815	0.55185	2.71	1.80	1.32	1.13	0.98	0.88	0.76	0.67	0.61	0.51	0.45	0.38	0.28	0.12
S9	1828	0.70069	0.29931	3.01	1.96	1.39	1.19	1.03	0.91	0.79	0.71	0.65	0.55	0.49	0.42	0.32	0.14
S10	934	0.05226	0.94774	2.25	1.54	1.22	1.04	0.91	0.83	0.70	0.62	0.55	0.45	0.38	0.31	0.22	0.09
S11	1487	0.99977	0.00023	3.36	2.16	1.46	1.26	1.08	0.95	0.83	0.75	0.69	0.59	0.55	0.47	0.37	0.17
S12	2371	0.84578	0.15422	3.18	2.06	1.42	1.22	1.06	0.93	0.81	0.73	0.67	0.57	0.52	0.44	0.34	0.15
S13	2224	0.26353	0.73647	2.49	1.68	1.27	1.09	0.95	0.86	0.73	0.65	0.58	0.48	0.42	0.35	0.25	0.11
S14	1572	0.24208	0.75792	2.47	1.67	1.27	1.08	0.95	0.86	0.73	0.64	0.58	0.48	0.42	0.35	0.25	0.11
S15	2311	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S16	3204	0.51730	0.48270	2.79	1.84	1.34	1.15	1.00	0.89	0.77	0.68	0.62	0.52	0.46	0.39	0.29	0.13
S17	1188	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S18	1028	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S19.1	2669	0.16894	0.83106	2.38	1.62	1.25	1.06	0.93	0.85	0.72	0.63	0.57	0.47	0.40	0.33	0.24	0.10
S19.2	689	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S20	1914	0.95461	0.04539	3.31	2.13	1.45	1.25	1.08	0.95	0.83	0.74	0.69	0.59	0.54	0.46	0.36	0.16
S21	1774	0.53053	0.46947	2.81	1.85	1.34	1.15	1.00	0.89	0.77	0.68	0.62	0.52	0.47	0.39	0.29	0.13
S22	3743	0.15175	0.84825	2.36	1.61	1.24	1.06	0.93	0.85	0.71	0.63	0.57	0.46	0.40	0.33	0.23	0.10
S23	1584	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S24	1873	0.13705	0.86295	2.35	1.60	1.24	1.06	0.93	0.84	0.71	0.63	0.57	0.46	0.40	0.33	0.23	0.10
S25	2350	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S26	894	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S27	2031	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S28	1066	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S29	852	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S30	2016	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S31	1781	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S32	1128	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S33	1716	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S34	1706	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S35	1580	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S36	2280	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S37	1241	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S38	1304	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09
S39	428	0.00000	1.00000	2.18	1.51	1.20	1.02	0.90	0.83	0.69	0.61	0.55	0.44	0.37	0.31	0.21	0.09

Table E-9: 2-Year Expected Value Weighted Rainfall Intensities (inch/hour)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
S1	2134	0.95734	0.04266	2.16	1.44	1.06	0.84	0.71	0.63	0.54	0.49	0.46	0.40	0.36	0.31	0.24	0.11
S2	1841	0.97669	0.02331	2.17	1.45	1.07	0.84	0.71	0.63	0.54	0.49	0.46	0.40	0.36	0.31	0.24	0.11
S3	2861	0.98360	0.01640	2.17	1.45	1.07	0.84	0.71	0.63	0.54	0.49	0.46	0.40	0.36	0.31	0.24	0.11
S4	1472	0.84026	0.15974	2.09	1.39	1.03	0.83	0.70	0.62	0.54	0.48	0.45	0.39	0.35	0.30	0.23	0.10
S5	918	0.84779	0.15221	2.09	1.40	1.04	0.83	0.70	0.62	0.54	0.48	0.45	0.39	0.35	0.30	0.23	0.10
S6	1312	0.60328	0.39672	1.95	1.30	0.98	0.79	0.68	0.60	0.52	0.46	0.43	0.36	0.32	0.27	0.20	0.09
S7	1965	0.92267	0.07733	2.14	1.43	1.05	0.84	0.71	0.62	0.54	0.48	0.45	0.40	0.36	0.30	0.24	0.11
S8	2269	0.44815	0.55185	1.86	1.24	0.95	0.77	0.67	0.59	0.51	0.45	0.41	0.35	0.30	0.25	0.19	0.08
S9	1828	0.70069	0.29931	2.01	1.34	1.00	0.81	0.69	0.61	0.53	0.47	0.43	0.37	0.33	0.28	0.21	0.10
S10	934	0.05226	0.94774	1.63	1.08	0.86	0.72	0.63	0.56	0.48	0.43	0.38	0.31	0.26	0.21	0.15	0.06
S11	1487	0.99977	0.00023	2.18	1.46	1.07	0.85	0.71	0.63	0.55	0.49	0.46	0.41	0.36	0.31	0.24	0.11
S12	2371	0.84578	0.15422	2.09	1.40	1.04	0.83	0.70	0.62	0.54	0.48	0.45	0.39	0.35	0.30	0.23	0.10
S13	2224	0.26353	0.73647	1.75	1.17	0.90	0.75	0.65	0.58	0.50	0.44	0.39	0.33	0.28	0.24	0.17	0.07
S14	1572	0.24208	0.75792	1.74	1.16	0.90	0.75	0.65	0.58	0.50	0.44	0.39	0.33	0.28	0.23	0.17	0.07
S15	2311	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S16	3204	0.51730	0.48270	1.90	1.27	0.96	0.78	0.67	0.60	0.51	0.46	0.42	0.36	0.31	0.26	0.19	0.09
S17	1188	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S18	1028	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S19.1	2669	0.16894	0.83106	1.70	1.13	0.88	0.74	0.64	0.57	0.49	0.43	0.39	0.32	0.27	0.23	0.16	0.07
S19.2	689	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S20	1914	0.95461	0.04539	2.16	1.44	1.06	0.84	0.71	0.63	0.54	0.49	0.46	0.40	0.36	0.31	0.24	0.11
S21	1774	0.53053	0.46947	1.91	1.27	0.96	0.79	0.67	0.60	0.52	0.46	0.42	0.36	0.31	0.26	0.20	0.09
S22	3743	0.15175	0.84825	1.69	1.12	0.88	0.74	0.64	0.57	0.49	0.43	0.38	0.32	0.27	0.22	0.16	0.07
S23	1584	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S24	1873	0.13705	0.86295	1.68	1.12	0.87	0.73	0.64	0.57	0.49	0.43	0.38	0.32	0.27	0.22	0.16	0.07
S25	2350	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S26	894	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S27	2031	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S28	1066	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S29	852	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S30	2016	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S31	1781	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S32	1128	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S33	1716	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S34	1706	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S35	1580	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S36	2280	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S37	1241	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S38	1304	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06
S39	428	0.00000	1.00000	1.60	1.06	0.84	0.72	0.63	0.56	0.48	0.42	0.37	0.30	0.26	0.21	0.14	0.06

Table E-11: 100-Year Expected Value Weighted Rainfall Depth (inch)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
S1	2134	0.95734	0.04266	0.62	1.03	1.49	3.03	4.72	8.58	12.54	14.27	15.07	15.89
S2	1841	0.97669	0.02331	0.62	1.04	1.50	3.05	4.76	8.66	12.67	14.42	15.23	16.05
S3	2861	0.98360	0.01640	0.63	1.04	1.50	3.06	4.78	8.69	12.71	14.46	15.27	16.11
S4	1472	0.84026	0.15974	0.59	1.01	1.45	2.90	4.47	8.08	11.78	13.41	14.16	14.92
S5	918	0.84779	0.15221	0.59	1.01	1.46	2.91	4.49	8.11	11.84	13.48	14.24	15.00
S6	1312	0.60328	0.39672	0.54	0.97	1.37	2.63	3.98	7.07	10.29	11.70	12.36	13.00
S7	1965	0.92267	0.07733	0.61	1.03	1.48	2.99	4.65	8.43	12.33	14.03	14.82	15.62
S8	2269	0.44815	0.55185	0.50	0.95	1.31	2.45	3.65	6.40	9.29	10.57	11.16	11.73
S9	1828	0.70069	0.29931	0.56	0.99	1.40	2.74	4.18	7.48	10.92	12.42	13.12	13.81
S10	934	0.05226	0.94774	0.41	0.88	1.17	2.00	2.82	4.71	6.78	7.69	8.13	8.50
S11	1487	0.99977	0.00023	0.63	1.04	1.51	3.08	4.81	8.76	12.81	14.58	15.40	16.24
S12	2371	0.84578	0.15422	0.59	1.01	1.45	2.90	4.49	8.10	11.83	13.46	14.22	14.98
S13	2224	0.26353	0.73647	0.46	0.91	1.24	2.24	3.26	5.62	8.13	9.24	9.76	10.23
S14	1572	0.24208	0.75792	0.46	0.91	1.24	2.22	3.22	5.52	8.00	9.08	9.60	10.06
S15	2311	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S16	3204	0.51730	0.48270	0.52	0.96	1.34	2.53	3.80	6.70	9.74	11.07	11.70	12.30
S17	1188	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S18	1028	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S19.1	2669	0.16894	0.83106	0.44	0.90	1.21	2.13	3.06	5.21	7.30	8.29	8.76	9.17
S19.2	689	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	7.30	8.29	8.76	9.17
S20	1914	0.95461	0.04539	0.62	1.03	1.49	3.03	4.71	8.57	7.30	8.29	8.76	9.17
S21	1774	0.53053	0.46947	0.52	0.96	1.34	2.54	3.82	6.76	12.52	14.25	15.05	15.87
S22	3743	0.15175	0.84825	0.43	0.90	1.20	2.11	3.03	5.14	9.82	11.17	11.80	12.41
S23	1584	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	7.43	8.43	8.91	9.33
S24	1873	0.13705	0.86295	0.43	0.89	1.20	2.10	3.00	5.08	6.46	7.33	7.75	8.09
S25	2350	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	7.34	8.33	8.81	9.22
S26	894	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S27	2031	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S28	1066	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S29	852	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S30	2016	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S31	1781	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S32	1128	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S33	1716	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S34	1706	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S35	1580	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S36	2280	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S37	1241	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S38	1304	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S39	428	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09

Table E-12: 50-Year Expected Value Weighted Rainfall Depth (inch)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
S1	2134	0.95734	0.04266	0.55	0.94	1.37	2.78	4.32	7.84	0.00	0.00	0.00	0.00
S2	1841	0.97669	0.02331	0.56	0.95	1.37	2.80	4.36	7.92	0.00	0.00	0.00	0.00
S3	2861	0.98360	0.01640	0.56	0.95	1.37	2.80	4.37	7.95	0.00	0.00	0.00	0.00
S4	1472	0.84026	0.15974	0.53	0.93	1.33	2.65	4.09	7.39	0.00	0.00	0.00	0.00
S5	918	0.84779	0.15221	0.53	0.93	1.33	2.66	4.11	7.42	0.00	0.00	0.00	0.00
S6	1312	0.60328	0.39672	0.48	0.89	1.25	2.41	3.63	6.47	0.00	0.00	0.00	0.00
S7	1965	0.92267	0.07733	0.55	0.94	1.36	2.74	4.25	7.71	0.00	0.00	0.00	0.00
S8	2269	0.44815	0.55185	0.46	0.87	1.20	2.25	3.33	5.86	0.00	0.00	0.00	0.00
S9	1828	0.70069	0.29931	0.50	0.91	1.28	2.51	3.82	6.85	0.00	0.00	0.00	0.00
S10	934	0.05226	0.94774	0.38	0.81	1.08	1.83	2.57	4.32	0.00	0.00	0.00	0.00
S11	1487	0.99977	0.00023	0.56	0.95	1.38	2.82	4.40	8.01	0.00	0.00	0.00	0.00
S12	2371	0.84578	0.15422	0.53	0.93	1.33	2.66	4.10	7.41	0.00	0.00	0.00	0.00
S13	2224	0.26353	0.73647	0.42	0.84	1.14	2.05	2.98	5.15	0.00	0.00	0.00	0.00
S14	1572	0.24208	0.75792	0.42	0.84	1.14	2.03	2.94	5.06	0.00	0.00	0.00	0.00
S15	2311	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S16	3204	0.51730	0.48270	0.47	0.88	1.23	2.32	3.47	6.13	0.00	0.00	0.00	0.00
S17	1188	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S18	1028	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S19.1	2669	0.16894	0.83106	0.40	0.83	1.11	1.96	2.80	4.78	0.00	0.00	0.00	0.00
S19.2	689	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S20	1914	0.95461	0.04539	0.55	0.94	1.37	2.77	4.31	7.83	0.00	0.00	0.00	0.00
S21	1774	0.53053	0.46947	0.47	0.88	1.23	2.33	3.49	6.18	0.00	0.00	0.00	0.00
S22	3743	0.15175	0.84825	0.40	0.82	1.11	1.94	2.76	4.71	0.00	0.00	0.00	0.00
S23	1584	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S24	1873	0.13705	0.86295	0.40	0.82	1.10	1.92	2.73	4.65	0.00	0.00	0.00	0.00
S25	2350	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S26	894	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S27	2031	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S28	1066	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S29	852	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S30	2016	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S31	1781	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S32	1128	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S33	1716	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S34	1706	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S35	1580	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S36	2280	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S37	1241	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S38	1304	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00
S39	428	0.00000	1.00000	0.37	0.80	1.06	1.78	2.47	4.12	0.00	0.00	0.00	0.00

Table E-13: 25-Year Expected Value Weighted Rainfall Depth (inch)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
S1	2134	0.95734	0.04266	0.49	0.83	1.21	2.44	3.80	6.91	10.05	11.34	11.97	12.70
S2	1841	0.97669	0.02331	0.50	0.84	1.21	2.46	3.83	6.97	10.14	11.45	12.09	12.83
S3	2861	0.98360	0.01640	0.50	0.84	1.22	2.47	3.84	6.99	10.18	11.49	12.13	12.87
S4	1472	0.84026	0.15974	0.47	0.82	1.18	2.34	3.60	6.51	9.46	10.68	11.27	11.94
S5	918	0.84779	0.15221	0.48	0.82	1.18	2.34	3.62	6.54	9.49	10.72	11.32	11.99
S6	1312	0.60328	0.39672	0.44	0.79	1.11	2.13	3.21	5.71	8.26	9.33	9.85	10.41
S7	1965	0.92267	0.07733	0.49	0.83	1.20	2.41	3.74	6.79	9.87	11.14	11.77	12.48
S8	2269	0.44815	0.55185	0.41	0.77	1.07	1.99	2.95	5.19	7.48	8.46	8.91	9.40
S9	1828	0.70069	0.29931	0.45	0.80	1.14	2.21	3.37	6.04	8.75	9.89	10.43	11.04
S10	934	0.05226	0.94774	0.35	0.73	0.96	1.64	2.29	3.86	5.49	6.22	6.53	6.84
S11	1487	0.99977	0.00023	0.50	0.84	1.22	2.48	3.87	7.05	10.26	11.58	12.23	12.98
S12	2371	0.84578	0.15422	0.48	0.82	1.18	2.34	3.61	6.53	9.48	10.71	11.30	11.98
S13	2224	0.26353	0.73647	0.38	0.75	1.02	1.82	2.64	4.57	6.56	7.41	7.80	8.21
S14	1572	0.24208	0.75792	0.38	0.75	1.02	1.81	2.60	4.50	6.45	7.29	7.67	8.07
S15	2311	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S16	3204	0.51730	0.48270	0.42	0.78	1.09	2.05	3.06	5.42	7.83	8.85	9.33	9.85
S17	1188	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S18	1028	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S19.1	2669	0.16894	0.83106	0.37	0.74	1.00	1.74	2.48	4.25	6.08	6.88	7.24	7.59
S19.2	689	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S20	1914	0.95461	0.04539	0.49	0.83	1.21	2.44	3.79	6.90	10.03	11.32	11.96	12.69
S21	1774	0.53053	0.46947	0.42	0.78	1.09	2.06	3.09	5.47	7.90	8.92	9.41	9.94
S22	3743	0.15175	0.84825	0.36	0.74	0.99	1.73	2.45	4.19	5.99	6.78	7.13	7.48
S23	1584	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S24	1873	0.13705	0.86295	0.36	0.74	0.99	1.71	2.43	4.14	5.92	6.70	7.04	7.39
S25	2350	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S26	894	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S27	2031	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S28	1066	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S29	852	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S30	2016	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S31	1781	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S32	1128	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S33	1716	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S34	1706	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S35	1580	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S36	2280	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S37	1241	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S38	1304	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50
S39	428	0.00000	1.00000	0.34	0.72	0.95	1.59	2.20	3.68	5.23	5.92	6.22	6.50

Table E-14: 10-Year Expected Value Weighted Rainfall Depth (inch)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
S1	2134	0.95734	0.04266	0.39	0.68	0.98	1.98	3.08	5.60	8.08	9.04	9.55	10.18
S2	1841	0.97669	0.02331	0.40	0.68	0.99	1.99	3.11	5.65	8.16	9.13	9.64	10.28
S3	2861	0.98360	0.01640	0.40	0.68	0.99	2.00	3.12	5.67	8.18	9.16	9.67	10.32
S4	1472	0.84026	0.15974	0.38	0.67	0.96	1.90	2.93	5.28	7.61	8.52	8.99	9.57
S5	918	0.84779	0.15221	0.38	0.67	0.96	1.90	2.94	5.30	7.64	8.55	9.03	9.61
S6	1312	0.60328	0.39672	0.34	0.64	0.91	1.73	2.61	4.65	6.66	7.47	7.87	8.35
S7	1965	0.92267	0.07733	0.39	0.67	0.97	1.96	3.04	5.50	7.94	8.89	9.38	10.00
S8	2269	0.44815	0.55185	0.32	0.63	0.87	1.62	2.41	4.23	6.04	6.78	7.13	7.55
S9	1828	0.70069	0.29931	0.36	0.65	0.93	1.80	2.74	4.91	7.05	7.90	8.33	8.85
S10	934	0.05226	0.94774	0.27	0.59	0.79	1.35	1.88	3.17	4.45	5.02	5.26	5.50
S11	1487	0.99977	0.00023	0.40	0.68	0.99	2.01	3.14	5.71	8.25	9.23	9.75	10.40
S12	2371	0.84578	0.15422	0.38	0.67	0.96	1.90	2.93	5.30	7.63	8.55	9.02	9.60
S13	2224	0.26353	0.73647	0.30	0.61	0.84	1.49	2.16	3.74	5.30	5.96	6.26	6.59
S14	1572	0.24208	0.75792	0.29	0.61	0.83	1.48	2.13	3.68	5.21	5.86	6.16	6.48
S15	2311	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S16	3204	0.51730	0.48270	0.33	0.64	0.89	1.67	2.50	4.42	6.31	7.09	7.46	7.90
S17	1188	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S18	1028	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S19.1	2669	0.16894	0.83106	0.28	0.61	0.82	1.43	2.03	3.48	4.92	5.54	5.81	6.10
S19.2	689	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S20	1914	0.95461	0.04539	0.39	0.68	0.98	1.98	3.08	5.59	8.07	9.03	9.53	10.17
S21	1774	0.53053	0.46947	0.33	0.64	0.89	1.68	2.52	4.45	6.37	7.15	7.52	7.97
S22	3743	0.15175	0.84825	0.28	0.60	0.81	1.42	2.01	3.44	4.85	5.46	5.73	6.01
S23	1584	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S24	1873	0.13705	0.86295	0.28	0.60	0.81	1.41	1.99	3.40	4.79	5.40	5.66	5.94
S25	2350	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S26	894	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S27	2031	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S28	1066	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S29	852	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S30	2016	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S31	1781	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S32	1128	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S33	1716	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S34	1706	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S35	1580	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S36	2280	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S37	1241	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S38	1304	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23
S39	428	0.00000	1.00000	0.26	0.59	0.78	1.31	1.81	3.03	4.24	4.79	5.01	5.23

Table E-15: 5-Year Expected Value Weighted Rainfall Depth (inch)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
S1	2134	0.95734	0.04266	0.28	0.47	0.69	1.39	2.16	3.92	5.66	6.33	6.68	7.13
S2	1841	0.97669	0.02331	0.28	0.47	0.69	1.40	2.18	3.95	5.71	6.39	6.75	7.20
S3	2861	0.98360	0.01640	0.28	0.47	0.69	1.40	2.18	3.97	5.73	6.41	6.77	7.22
S4	1472	0.84026	0.15974	0.26	0.47	0.67	1.33	2.05	3.70	5.33	5.96	6.29	6.70
S5	918	0.84779	0.15221	0.27	0.47	0.67	1.33	2.06	3.71	5.35	5.99	6.32	6.73
S6	1312	0.60328	0.39672	0.24	0.45	0.63	1.21	1.83	3.25	4.66	5.23	5.51	5.84
S7	1965	0.92267	0.07733	0.27	0.47	0.68	1.37	2.13	3.85	5.56	6.22	6.57	7.00
S8	2269	0.44815	0.55185	0.23	0.44	0.61	1.14	1.68	2.96	4.23	4.75	4.99	5.28
S9	1828	0.70069	0.29931	0.25	0.46	0.65	1.26	1.92	3.44	4.93	5.53	5.83	6.20
S10	934	0.05226	0.94774	0.19	0.42	0.55	0.94	1.32	2.22	3.11	3.52	3.68	3.85
S11	1487	0.99977	0.00023	0.28	0.48	0.69	1.41	2.20	4.00	5.77	6.46	6.82	7.28
S12	2371	0.84578	0.15422	0.26	0.47	0.67	1.33	2.05	3.71	5.34	5.98	6.31	6.72
S13	2224	0.26353	0.73647	0.21	0.43	0.58	1.05	1.51	2.62	3.71	4.17	4.38	4.61
S14	1572	0.24208	0.75792	0.21	0.43	0.58	1.04	1.49	2.58	3.65	4.11	4.31	4.54
S15	2311	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S16	3204	0.51730	0.48270	0.23	0.45	0.62	1.17	1.75	3.09	4.42	4.96	5.22	5.53
S17	1188	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S18	1028	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S19.1	2669	0.16894	0.83106	0.20	0.42	0.57	1.00	1.42	2.44	3.44	3.88	4.07	4.27
S19.2	689	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S20	1914	0.95461	0.04539	0.28	0.47	0.69	1.38	2.16	3.91	5.65	6.32	6.67	7.12
S21	1774	0.53053	0.46947	0.23	0.45	0.62	1.18	1.76	3.12	4.46	5.00	5.27	5.58
S22	3743	0.15175	0.84825	0.20	0.42	0.57	0.99	1.41	2.41	3.39	3.82	4.01	4.21
S23	1584	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S24	1873	0.13705	0.86295	0.20	0.42	0.57	0.98	1.39	2.38	3.35	3.78	3.96	4.16
S25	2350	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S26	894	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S27	2031	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S28	1066	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S29	852	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S30	2016	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S31	1781	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S32	1128	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S33	1716	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S34	1706	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S35	1580	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S36	2280	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S37	1241	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S38	1304	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66
S39	428	0.00000	1.00000	0.18	0.41	0.55	0.92	1.27	2.12	2.97	3.35	3.51	3.66

Table E-16: 2-Year Expected Value Weighted Rainfall Depth (inch)

Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
S1	2134	0.95734	0.04266	0.18	0.31	0.46	0.92	1.44	2.61	3.65	4.04	4.26	4.56
S2	1841	0.97669	0.02331	0.18	0.31	0.46	0.93	1.45	2.64	3.69	4.08	4.30	4.61
S3	2861	0.98360	0.01640	0.18	0.31	0.46	0.93	1.45	2.65	3.70	4.09	4.32	4.62
S4	1472	0.84026	0.15974	0.17	0.31	0.45	0.89	1.37	2.47	3.44	3.81	4.02	4.29
S5	918	0.84779	0.15221	0.17	0.31	0.45	0.89	1.37	2.48	3.46	3.82	4.03	4.31
S6	1312	0.60328	0.39672	0.16	0.30	0.43	0.81	1.22	2.18	3.02	3.34	3.52	3.75
S7	1965	0.92267	0.07733	0.18	0.31	0.45	0.91	1.42	2.57	3.59	3.97	4.19	4.48
S8	2269	0.44815	0.55185	0.15	0.30	0.41	0.76	1.13	1.99	2.74	3.04	3.19	3.39
S9	1828	0.70069	0.29931	0.17	0.30	0.43	0.84	1.28	2.30	3.19	3.53	3.72	3.97
S10	934	0.05226	0.94774	0.14	0.28	0.38	0.64	0.89	1.50	2.03	2.26	2.36	2.47
S11	1487	0.99977	0.00023	0.18	0.31	0.46	0.94	1.46	2.67	3.73	4.12	4.35	4.66
S12	2371	0.84578	0.15422	0.17	0.31	0.45	0.89	1.37	2.48	3.45	3.82	4.03	4.31
S13	2224	0.26353	0.73647	0.15	0.29	0.39	0.71	1.01	1.76	2.41	2.67	2.80	2.96
S14	1572	0.24208	0.75792	0.14	0.29	0.39	0.70	1.00	1.73	2.37	2.63	2.76	2.91
S15	2311	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S16	3204	0.51730	0.48270	0.16	0.30	0.42	0.79	1.17	2.07	2.86	3.17	3.34	3.55
S17	1188	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S18	1028	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S19.1	2669	0.16894	0.83106	0.14	0.29	0.39	0.68	0.96	1.64	2.24	2.49	2.60	2.74
S19.2	689	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S20	1914	0.95461	0.04539	0.18	0.31	0.46	0.92	1.44	2.61	3.65	4.03	4.26	4.56
S21	1774	0.53053	0.46947	0.16	0.30	0.42	0.79	1.18	2.09	2.89	3.20	3.36	3.58
S22	3743	0.15175	0.84825	0.14	0.29	0.38	0.67	0.95	1.62	2.20	2.45	2.57	2.70
S23	1584	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S24	1873	0.13705	0.86295	0.14	0.28	0.38	0.67	0.94	1.60	2.18	2.43	2.54	2.67
S25	2350	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S26	894	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S27	2031	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S28	1066	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S29	852	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S30	2016	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S31	1781	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S32	1128	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S33	1716	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S34	1706	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S35	1580	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S36	2280	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S37	1241	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S38	1304	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35
S39	428	0.00000	1.00000	0.13	0.28	0.37	0.62	0.85	1.44	1.93	2.16	2.25	2.35

Table E-17: San Juan Creek Main Nodes Tributary Area Matrix

101u	101c	103	104	106	108	113	114	115	118u	118t	118c	119	126	127	132u	132t	132c	133u	133t	133c	134u	134t	134c	137	138	139
S1	S1	S1	S1	S1	S1	S1	S1	S1	S1		S1	S1	S1	S1				S1		S1	S1		S1	S1	S1	S1
	S2	S2	S2	S2	S2	S2	S2	S2	S2		S2	S2	S2	S2				S2		S2	S2		S2	S2	S2	S2
		S3	S3	S3	S3	S3	S3	S3	S3		S3	S3	S3	S3				S3		S3	S3		S3	S3	S3	S3
			S4	S4	S4	S4	S4	S4	S4		S4	S4	S4	S4				S4		S4	S4		S4	S4	S4	S4
			S5	S5	S5	S5	S5	S5	S5		S5	S5	S5	S5				S5		S5	S5		S5	S5	S5	S5
				S6	S6	S6	S6	S6	S6		S6	S6	S6	S6				S6		S6	S6		S6	S6	S6	S6
				S7	S7	S7	S7	S7	S7		S7	S7	S7	S7				S7		S7	S7		S7	S7	S7	S7
					S8	S8	S8	S8	S8		S8	S8	S8	S8				S8		S8	S8		S8	S8	S8	S8
					S9	S9	S9	S9	S9		S9	S9	S9	S9				S9		S9	S9		S9	S9	S9	S9
						S10	S10	S10	S10		S10	S10	S10	S10				S10		S10	S10		S10	S10	S10	S10
						S11	S11	S11	S11		S11	S11	S11	S11				S11		S11	S11		S11	S11	S11	S11
						S12	S12	S12	S12		S12	S12	S12	S12				S12		S12	S12		S12	S12	S12	S12
						S13	S13	S13	S13		S13	S13	S13	S13				S13		S13	S13		S13	S13	S13	S13
							S14	S14	S14		S14	S14	S14	S14				S14		S14	S14		S14	S14	S14	S14
								S15	S15		S15	S15	S15	S15				S15		S15	S15		S15	S15	S15	S15
								S16	S16		S16	S16	S16	S16				S16		S16	S16		S16	S16	S16	S16
								S17	S17		S17	S17	S17	S17				S17		S17	S17		S17	S17	S17	S17
									S18		S18	S18	S18	S18				S18		S18	S18		S18	S18	S18	S18
											S19.1	S19	S19	S19				S19		S19	S19		S19	S19	S19	S19
										S20	S20	S20	S20	S20				S20		S20	S20		S20	S20	S20	S20
											S21	S21	S21	S21				S21		S21	S21		S21	S21	S21	S21
											S22	S22	S22	S22				S22		S22	S22		S22	S22	S22	S22
											S23	S23	S23	S23				S23		S23	S23		S23	S23	S23	S23
											S24	S24	S24	S24				S24		S24	S24		S24	S24	S24	S24
											S25	S25	S25	S25				S25		S25	S25		S25	S25	S25	S25
												S26	S26					S26		S26	S26		S26	S26	S26	S26
													S27					S27		S27	S27		S27	S27	S27	S27
													S28					S28		S28	S28		S28	S28	S28	S28
																		S29		S29	S29		S29	S29	S29	S29
															S30		S30		S30	S30	S30		S30	S30	S30	S30
															S31		S31		S31	S31	S31		S31	S31	S31	S31
																S32		S32		S32	S32		S32	S32	S32	S32
																		S33		S33	S33		S33	S33	S33	S33
																				S34		S34	S34	S34	S34	S34
																						S35	S35	S35	S35	S35
																						S36	S36	S36	S36	S36
																							S37	S37	S37	S37
																								S38	S38	S38
																									S39	S39

Table E-18: Mountainous Area Ratio for Main Nodes

Node	Basin ID	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	Mtn. Area (ac)	Weighted Mtn. Ratio
101u	S1	2134.1	0.95734	0.04266	2043.06	
101u Total		2134.1			2043.06	0.95734
101c Total		3975.2			3841.24	0.96630
103 Total		6836.4			6655.51	0.97354
104 Total		9226.2			8670.49	0.93977
106 Total		12502.4			11274.39	0.90178
108 Total		16599.2			13571.89	0.81762
113 Total		23614.6			17698.15	0.74946
114 Total		25186.2			18078.61	0.71780
115 Total		31889.0			19735.94	0.61889
118u Total		32916.5			19735.87	0.59957
118t Total		13237.1			3592.42	0.27139
118c Total		48826.4			23779.89	0.48703
119 Total		49511.7			23779.30	0.48028
126 Total		50406.0			23779.30	0.47176
127 Total		53503.4			23779.30	0.44444
132u Total		3796.8			0.00	0.00000
132c Total		4924.4			0.00	0.00000
133u Total		54355.1			23779.30	0.43748
133t Total		6640.5			0.00	0.00000
133c Total		60995.5			23779.30	0.38985
134u Total		62701.0			23779.30	0.37925
134t Total		3859.7			0.00	0.00000
134c Total		66560.7			23779.30	0.35726
137 Total		67801.6			23779.30	0.35072
138 Total		69105.3			23779.30	0.34410
139 Total		69533.1			23779.30	0.34199

Table E-20: 100-Year Expected Value Weighted Rainfall Intensities for Nodes (inch/hour)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
119	49512	0.48028	0.51972	6.126	3.912	3.013	2.469	2.132	1.903	1.647	1.421	1.323	1.122	0.986	0.829	0.620	0.273
126	50406	0.47176	0.52824	6.102	3.901	3.005	2.465	2.129	1.900	1.644	1.419	1.320	1.119	0.983	0.826	0.617	0.271
127	53503	0.44444	0.55556	6.027	3.864	2.981	2.449	2.118	1.891	1.635	1.412	1.310	1.109	0.972	0.816	0.607	0.266
132u	3797	0.00000	1.00000	4.800	3.258	2.590	2.201	1.940	1.740	1.487	1.310	1.150	0.940	0.798	0.647	0.452	0.187
132t	1128	0.00000	1.00000	4.800	3.258	2.590	2.201	1.940	1.740	1.487	1.310	1.150	0.940	0.798	0.647	0.452	0.187
132c	4924	0.00000	1.00000	4.800	3.258	2.590	2.201	1.940	1.740	1.487	1.310	1.150	0.940	0.798	0.647	0.452	0.187
133u	54355	0.43748	0.56252	6.007	3.854	2.975	2.446	2.115	1.889	1.633	1.411	1.307	1.106	0.970	0.813	0.605	0.265
133t	6640	0.00000	1.00000	4.800	3.258	2.590	2.201	1.940	1.740	1.487	1.310	1.150	0.940	0.798	0.647	0.452	0.187
133c	60996	0.38985	0.61015	5.876	3.789	2.933	2.419	2.096	1.873	1.617	1.400	1.290	1.088	0.951	0.795	0.588	0.256
134u	62701	0.37925	0.62075	5.847	3.775	2.924	2.413	2.092	1.869	1.613	1.397	1.287	1.084	0.947	0.791	0.584	0.255
134t	3860	0.00000	1.00000	4.800	3.258	2.590	2.201	1.940	1.740	1.487	1.310	1.150	0.940	0.798	0.647	0.452	0.187
134c	66561	0.35726	0.64274	5.786	3.745	2.905	2.401	2.083	1.861	1.606	1.392	1.279	1.075	0.938	0.782	0.577	0.251
137	67802	0.35072	0.64928	5.768	3.736	2.899	2.397	2.080	1.859	1.604	1.391	1.276	1.073	0.936	0.780	0.574	0.249
138	69105	0.34410	0.65590	5.750	3.727	2.893	2.393	2.078	1.857	1.601	1.389	1.274	1.070	0.933	0.777	0.572	0.248
139	69533	0.34199	0.65801	5.744	3.724	2.891	2.392	2.077	1.856	1.601	1.389	1.273	1.070	0.932	0.777	0.571	0.248

Table E-21: 50-Year Expected Value Weighted Rainfall Intensities for Nodes (inch/hour)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
119	49512	0.48028	0.51972	5.535	3.529	2.693	2.246	1.938	1.744	1.475	1.313	1.214	1.010	0.880	0.760	0.566	0.250
126	50406	0.47176	0.52824	5.516	3.520	2.687	2.242	1.935	1.742	1.473	1.311	1.211	1.008	0.877	0.757	0.563	0.248
127	53503	0.44444	0.55556	5.453	3.490	2.670	2.230	1.926	1.733	1.467	1.305	1.202	0.999	0.869	0.747	0.555	0.244
132u	3797	0.00000	1.00000	4.440	3.011	2.390	2.029	1.787	1.600	1.368	1.205	1.060	0.862	0.732	0.593	0.412	0.172
132t	1128	0.00000	1.00000	4.440	3.011	2.390	2.029	1.787	1.600	1.368	1.205	1.060	0.862	0.732	0.593	0.412	0.172
132c	4924	0.00000	1.00000	4.440	3.011	2.390	2.029	1.787	1.600	1.368	1.205	1.060	0.862	0.732	0.593	0.412	0.172
133u	54355	0.43748	0.56252	5.437	3.483	2.666	2.227	1.924	1.731	1.465	1.303	1.200	0.997	0.867	0.745	0.552	0.243
133t	6640	0.00000	1.00000	4.440	3.011	2.390	2.029	1.787	1.600	1.368	1.205	1.060	0.862	0.732	0.593	0.412	0.172
133c	60996	0.38985	0.61015	5.329	3.431	2.636	2.205	1.909	1.717	1.455	1.293	1.185	0.982	0.852	0.728	0.537	0.235
134u	62701	0.37925	0.62075	5.305	3.420	2.629	2.200	1.906	1.714	1.452	1.290	1.181	0.979	0.849	0.725	0.534	0.233
134t	3860	0.00000	1.00000	4.440	3.011	2.390	2.029	1.787	1.600	1.368	1.205	1.060	0.862	0.732	0.593	0.412	0.172
134c	66561	0.35726	0.64274	5.255	3.396	2.615	2.190	1.899	1.707	1.447	1.285	1.174	0.972	0.842	0.717	0.527	0.230
137	67802	0.35072	0.64928	5.240	3.389	2.611	2.187	1.897	1.705	1.446	1.284	1.172	0.970	0.840	0.715	0.524	0.229
138	69105	0.34410	0.65590	5.225	3.382	2.607	2.184	1.895	1.703	1.444	1.282	1.170	0.968	0.838	0.713	0.522	0.227
139	69533	0.34199	0.65801	5.220	3.380	2.606	2.184	1.894	1.703	1.444	1.282	1.169	0.968	0.837	0.712	0.522	0.227

Table E-22: 25-Year Expected Value Weighted Rainfall Intensities for Nodes (inch/hour)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
119	49512	0.48028	0.51972	5.002	3.253	2.474	2.039	1.775	1.555	1.356	1.203	1.080	0.912	0.803	0.672	0.500	0.221
126	50406	0.47176	0.52824	4.986	3.244	2.468	2.035	1.773	1.553	1.354	1.201	1.077	0.909	0.800	0.670	0.498	0.220
127	53503	0.44444	0.55556	4.933	3.214	2.451	2.024	1.763	1.547	1.347	1.194	1.070	0.902	0.792	0.662	0.490	0.216
132u	3797	0.00000	1.00000	4.080	2.729	2.163	1.834	1.614	1.440	1.233	1.085	0.950	0.775	0.657	0.530	0.367	0.153
132t	1128	0.00000	1.00000	4.080	2.729	2.163	1.834	1.614	1.440	1.233	1.085	0.950	0.775	0.657	0.530	0.367	0.153
132c	4924	0.00000	1.00000	4.080	2.729	2.163	1.834	1.614	1.440	1.233	1.085	0.950	0.775	0.657	0.530	0.367	0.153
133u	54355	0.43748	0.56252	4.920	3.206	2.446	2.021	1.761	1.545	1.345	1.192	1.068	0.900	0.790	0.660	0.488	0.215
133t	6640	0.00000	1.00000	4.080	2.729	2.163	1.834	1.614	1.440	1.233	1.085	0.950	0.775	0.657	0.530	0.367	0.153
133c	60996	0.38985	0.61015	4.829	3.154	2.415	2.000	1.745	1.534	1.333	1.181	1.055	0.886	0.775	0.646	0.475	0.208
134u	62701	0.37925	0.62075	4.808	3.143	2.408	1.996	1.742	1.531	1.331	1.178	1.052	0.883	0.772	0.643	0.472	0.207
134t	3860	0.00000	1.00000	4.080	2.729	2.163	1.834	1.614	1.440	1.233	1.085	0.950	0.775	0.657	0.530	0.367	0.153
134c	66561	0.35726	0.64274	4.766	3.119	2.394	1.986	1.734	1.526	1.325	1.173	1.046	0.877	0.765	0.636	0.466	0.203
137	67802	0.35072	0.64928	4.753	3.112	2.390	1.984	1.732	1.524	1.323	1.171	1.045	0.875	0.763	0.634	0.464	0.203
138	69105	0.34410	0.65590	4.741	3.104	2.386	1.981	1.730	1.523	1.322	1.169	1.043	0.873	0.761	0.632	0.462	0.202
139	69533	0.34199	0.65801	4.737	3.102	2.384	1.980	1.729	1.522	1.321	1.169	1.042	0.872	0.761	0.631	0.462	0.201

Table E-23: 10-Year Expected Value Weighted Rainfall Intensities for Nodes (inch/hour)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
119	49512	0.48028	0.51972	3.927	2.601	1.897	1.624	1.414	1.266	1.086	0.968	0.881	0.734	0.652	0.549	0.408	0.180
126	50406	0.47176	0.52824	3.913	2.593	1.893	1.621	1.412	1.265	1.084	0.966	0.879	0.733	0.650	0.547	0.406	0.179
127	53503	0.44444	0.55556	3.867	2.568	1.883	1.612	1.405	1.260	1.079	0.961	0.873	0.726	0.643	0.540	0.400	0.176
132u	3797	0.00000	1.00000	3.120	2.158	1.718	1.461	1.289	1.180	0.990	0.873	0.780	0.628	0.534	0.437	0.302	0.126
132t	1128	0.00000	1.00000	3.120	2.158	1.718	1.461	1.289	1.180	0.990	0.873	0.780	0.628	0.534	0.437	0.302	0.126
132c	4924	0.00000	1.00000	3.120	2.158	1.718	1.461	1.289	1.180	0.990	0.873	0.780	0.628	0.534	0.437	0.302	0.126
133u	54355	0.43748	0.56252	3.855	2.561	1.881	1.610	1.403	1.259	1.077	0.959	0.872	0.725	0.642	0.539	0.399	0.175
133t	6640	0.00000	1.00000	3.120	2.158	1.718	1.461	1.289	1.180	0.990	0.873	0.780	0.628	0.534	0.437	0.302	0.126
133c	60996	0.38985	0.61015	3.775	2.517	1.863	1.593	1.391	1.250	1.068	0.950	0.862	0.714	0.630	0.528	0.388	0.170
134u	62701	0.37925	0.62075	3.757	2.507	1.859	1.590	1.388	1.248	1.066	0.948	0.860	0.712	0.627	0.525	0.386	0.169
134t	3860	0.00000	1.00000	3.120	2.158	1.718	1.461	1.289	1.180	0.990	0.873	0.780	0.628	0.534	0.437	0.302	0.126
134c	66561	0.35726	0.64274	3.720	2.487	1.851	1.582	1.382	1.244	1.061	0.944	0.855	0.707	0.622	0.520	0.381	0.166
137	67802	0.35072	0.64928	3.709	2.481	1.848	1.580	1.381	1.243	1.060	0.942	0.854	0.706	0.620	0.519	0.379	0.165
138	69105	0.34410	0.65590	3.698	2.475	1.846	1.578	1.379	1.242	1.059	0.941	0.852	0.704	0.619	0.517	0.378	0.165
139	69533	0.34199	0.65801	3.695	2.473	1.845	1.577	1.378	1.242	1.058	0.941	0.852	0.704	0.618	0.516	0.377	0.164

Table E-24: 5-Year Expected Value Weighted Rainfall Intensities for Nodes (inch/hour)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
119	49512	0.48028	0.51972	2.749	1.820	1.328	1.137	0.990	0.887	0.760	0.677	0.617	0.514	0.456	0.384	0.286	0.126
126	50406	0.47176	0.52824	2.739	1.815	1.325	1.135	0.989	0.885	0.759	0.676	0.615	0.513	0.455	0.383	0.284	0.125
127	53503	0.44444	0.55556	2.707	1.797	1.318	1.128	0.984	0.882	0.755	0.672	0.611	0.509	0.450	0.378	0.280	0.123
132u	3797	0.00000	1.00000	2.184	1.510	1.203	1.023	0.902	0.826	0.693	0.611	0.546	0.439	0.374	0.306	0.211	0.088
132t	1128	0.00000	1.00000	2.184	1.510	1.203	1.023	0.902	0.826	0.693	0.611	0.546	0.439	0.374	0.306	0.211	0.088
132c	4924	0.00000	1.00000	2.184	1.510	1.203	1.023	0.902	0.826	0.693	0.611	0.546	0.439	0.374	0.306	0.211	0.088
133u	54355	0.43748	0.56252	2.698	1.793	1.317	1.127	0.982	0.881	0.754	0.672	0.610	0.507	0.449	0.377	0.279	0.123
133t	6640	0.00000	1.00000	2.184	1.510	1.203	1.023	0.902	0.826	0.693	0.611	0.546	0.439	0.374	0.306	0.211	0.088
133c	60996	0.38985	0.61015	2.642	1.762	1.304	1.115	0.974	0.875	0.748	0.665	0.603	0.500	0.441	0.369	0.272	0.119
134u	62701	0.37925	0.62075	2.630	1.755	1.301	1.113	0.972	0.874	0.746	0.664	0.602	0.498	0.439	0.368	0.270	0.118
134t	3860	0.00000	1.00000	2.184	1.510	1.203	1.023	0.902	0.826	0.693	0.611	0.546	0.439	0.374	0.306	0.211	0.088
134c	66561	0.35726	0.64274	2.604	1.741	1.296	1.108	0.968	0.871	0.743	0.660	0.599	0.495	0.435	0.364	0.267	0.116
137	67802	0.35072	0.64928	2.596	1.737	1.294	1.106	0.966	0.870	0.742	0.660	0.598	0.494	0.434	0.363	0.266	0.116
138	69105	0.34410	0.65590	2.589	1.733	1.292	1.105	0.965	0.869	0.741	0.659	0.597	0.493	0.433	0.362	0.265	0.115
139	69533	0.34199	0.65801	2.586	1.731	1.292	1.104	0.965	0.869	0.741	0.658	0.596	0.493	0.433	0.362	0.264	0.115

Table E-25: 2-Year Expected Value Weighted Rainfall Intensities for Nodes (inch/hour)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
119	49512	0.48028	0.51972	1.878	1.253	0.953	0.778	0.670	0.594	0.512	0.455	0.415	0.352	0.308	0.258	0.191	0.084
126	50406	0.47176	0.52824	1.873	1.249	0.951	0.777	0.669	0.593	0.511	0.454	0.414	0.351	0.307	0.257	0.190	0.084
127	53503	0.44444	0.55556	1.857	1.238	0.945	0.774	0.667	0.591	0.510	0.453	0.411	0.348	0.304	0.254	0.187	0.083
132u	3797	0.00000	1.00000	1.596	1.064	0.843	0.715	0.629	0.560	0.480	0.423	0.371	0.302	0.256	0.208	0.142	0.060
132t	1128	0.00000	1.00000	1.596	1.064	0.843	0.715	0.629	0.560	0.480	0.423	0.371	0.302	0.256	0.208	0.142	0.060
132c	4924	0.00000	1.00000	1.596	1.064	0.843	0.715	0.629	0.560	0.480	0.423	0.371	0.302	0.256	0.208	0.142	0.060
133u	54355	0.43748	0.56252	1.853	1.236	0.943	0.773	0.666	0.591	0.509	0.452	0.411	0.347	0.303	0.254	0.187	0.082
133t	6640	0.00000	1.00000	1.596	1.064	0.843	0.715	0.629	0.560	0.480	0.423	0.371	0.302	0.256	0.208	0.142	0.060
133c	60996	0.38985	0.61015	1.825	1.217	0.932	0.766	0.662	0.587	0.506	0.449	0.406	0.342	0.298	0.249	0.182	0.080
134u	62701	0.37925	0.62075	1.819	1.213	0.930	0.765	0.661	0.587	0.505	0.448	0.406	0.341	0.297	0.247	0.181	0.079
134t	3860	0.00000	1.00000	1.596	1.064	0.843	0.715	0.629	0.560	0.480	0.423	0.371	0.302	0.256	0.208	0.142	0.060
134c	66561	0.35726	0.64274	1.806	1.204	0.925	0.762	0.659	0.585	0.504	0.447	0.404	0.339	0.294	0.245	0.179	0.078
137	67802	0.35072	0.64928	1.802	1.202	0.923	0.761	0.659	0.585	0.503	0.446	0.403	0.338	0.294	0.244	0.178	0.078
138	69105	0.34410	0.65590	1.798	1.199	0.922	0.760	0.658	0.584	0.503	0.446	0.402	0.338	0.293	0.244	0.177	0.077
139	69533	0.34199	0.65801	1.797	1.198	0.921	0.760	0.658	0.584	0.503	0.446	0.402	0.337	0.293	0.244	0.177	0.077

Table E-27: 100-Year Expected Value Weighted Rainfall Depth for Nodes (inch)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
119	49512	0.48028	0.51972	0.510	0.952	1.323	2.488	3.719	6.541	9.510	10.812	11.424	12.004
126	50406	0.47176	0.52824	0.509	0.950	1.320	2.478	3.701	6.504	9.456	10.750	11.359	11.935
127	53503	0.44444	0.55556	0.502	0.946	1.310	2.447	3.643	6.388	9.282	10.552	11.150	11.712
132u	3797	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
132t	1128	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
132c	4924	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
133u	54355	0.43748	0.56252	0.501	0.944	1.307	2.439	3.629	6.358	9.238	10.502	11.097	11.655
133t	6946	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
133c	60996	0.38985	0.61015	0.490	0.936	1.290	2.384	3.529	6.155	8.936	10.156	10.732	11.267
134u	62701	0.37925	0.62075	0.487	0.934	1.287	2.372	3.506	6.109	8.868	10.080	10.651	11.181
134t	3860	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
134c	66561	0.35726	0.64274	0.482	0.931	1.279	2.347	3.460	6.015	8.729	9.920	10.483	11.002
137	67802	0.35072	0.64928	0.481	0.930	1.276	2.340	3.447	5.988	8.687	9.873	10.433	10.948
138	69105	0.34410	0.65590	0.479	0.928	1.274	2.332	3.433	5.959	8.645	9.825	10.382	10.894
139	69533	0.34199	0.65801	0.479	0.928	1.273	2.330	3.428	5.950	8.632	9.809	10.366	10.877

Table E-28: 50-Year Expected Value Weighted Rainfall Depth for Nodes (inch)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
119	49512	0.48028	0.51972	0.461	0.872	1.214	2.279	3.397	5.988				
126	50406	0.47176	0.52824	0.460	0.871	1.211	2.271	3.380	5.955				
127	53503	0.44444	0.55556	0.454	0.867	1.202	2.242	3.328	5.849				
132u	3797	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120				
132t	1128	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120				
132c	4924	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120				
133u	54355	0.43748	0.56252	0.453	0.866	1.200	2.235	3.314	5.822				
133t	6640	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120				
133c	60996	0.38985	0.61015	0.444	0.858	1.185	2.185	3.222	5.637				
134u	62701	0.37925	0.62075	0.442	0.857	1.181	2.174	3.202	5.595				
134t	3860	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120				
134c	66561	0.35726	0.64274	0.438	0.854	1.174	2.152	3.160	5.510				
137	67802	0.35072	0.64928	0.437	0.853	1.172	2.145	3.147	5.484				
138	69105	0.34410	0.65590	0.435	0.852	1.170	2.138	3.134	5.459				
139	69533	0.34199	0.65801	0.435	0.851	1.169	2.136	3.130	5.450				

Table E-29: 25-Year Expected Value Weighted Rainfall Depth for Nodes (inch)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
119	49512	0.48028	0.51972	0.417	0.778	1.080	2.017	3.002	5.299	7.646	8.638	9.106	9.612
126	50406	0.47176	0.52824	0.415	0.777	1.077	2.010	2.988	5.270	7.603	8.590	9.055	9.557
127	53503	0.44444	0.55556	0.411	0.773	1.070	1.986	2.942	5.178	7.466	8.436	8.891	9.380
132u	3797	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
132t	1128	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
132c	4924	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
133u	54355	0.43748	0.56252	0.410	0.772	1.068	1.979	2.931	5.154	7.431	8.396	8.849	9.335
133t	6640	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
133c	60996	0.38985	0.61015	0.402	0.767	1.055	1.937	2.851	4.994	7.191	8.127	8.563	9.026
134u	62701	0.37925	0.62075	0.401	0.766	1.052	1.928	2.833	4.958	7.138	8.067	8.499	8.958
134t	3860	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
134c	66561	0.35726	0.64274	0.397	0.763	1.046	1.908	2.797	4.884	7.027	7.942	8.367	8.815
137	67802	0.35072	0.64928	0.396	0.762	1.045	1.902	2.786	4.862	6.994	7.905	8.328	8.773
138	69105	0.34410	0.65590	0.395	0.761	1.043	1.896	2.775	4.840	6.961	7.868	8.288	8.730
139	69533	0.34199	0.65801	0.395	0.761	1.042	1.894	2.771	4.832	6.950	7.856	8.275	8.716

Table E-30: 10-Year Expected Value Weighted Rainfall Depth for Nodes (inch)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
119	49512	0.48028	0.51972	0.327	0.633	0.881	1.646	2.449	4.317	6.166	6.922	7.287	7.713
126	50406	0.47176	0.52824	0.326	0.632	0.879	1.640	2.437	4.294	6.132	6.885	7.246	7.669
127	53503	0.44444	0.55556	0.322	0.630	0.873	1.621	2.401	4.221	6.022	6.763	7.117	7.528
132u	3797	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
132t	1128	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
132c	4924	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
133u	54355	0.43748	0.56252	0.321	0.629	0.872	1.616	2.392	4.202	5.994	6.732	7.084	7.492
133t	6640	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
133c	60996	0.38985	0.61015	0.315	0.625	0.862	1.583	2.329	4.075	5.803	6.521	6.858	7.246
134u	62701	0.37925	0.62075	0.313	0.624	0.860	1.575	2.314	4.046	5.761	6.474	6.808	7.191
134t	3860	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
134c	66561	0.35726	0.64274	0.310	0.622	0.855	1.560	2.285	3.987	5.673	6.376	6.703	7.077
137	67802	0.35072	0.64928	0.309	0.622	0.854	1.556	2.276	3.970	5.646	6.347	6.672	7.043
138	69105	0.34410	0.65590	0.308	0.621	0.852	1.551	2.268	3.952	5.620	6.318	6.641	7.009
139	69533	0.34199	0.65801	0.308	0.621	0.852	1.549	2.265	3.947	5.611	6.308	6.631	6.998

Table E-31: 5-Year Expected Value Weighted Rainfall Depth for Nodes (inch)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
119	49512	0.48028	0.51972	0.229	0.443	0.617	1.152	1.714	3.022	4.316	4.846	5.101	5.399
126	50406	0.47176	0.52824	0.228	0.443	0.615	1.148	1.706	3.006	4.292	4.819	5.072	5.368
127	53503	0.44444	0.55556	0.226	0.441	0.611	1.135	1.681	2.955	4.216	4.734	4.982	5.269
132u	3797	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
132t	1128	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
132c	4924	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
133u	54355	0.43748	0.56252	0.225	0.441	0.610	1.131	1.674	2.942	4.196	4.713	4.959	5.244
133t	6640	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
133c	60996	0.38985	0.61015	0.220	0.438	0.603	1.108	1.630	2.852	4.062	4.565	4.801	5.072
134u	62701	0.37925	0.62075	0.219	0.437	0.602	1.103	1.620	2.832	4.033	4.532	4.765	5.034
134t	3860	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
134c	66561	0.35726	0.64274	0.217	0.436	0.599	1.092	1.600	2.791	3.971	4.463	4.692	4.954
137	67802	0.35072	0.64928	0.216	0.435	0.598	1.089	1.594	2.779	3.952	4.443	4.671	4.930
138	69105	0.34410	0.65590	0.216	0.435	0.597	1.086	1.587	2.767	3.934	4.422	4.649	4.906
139	69533	0.34199	0.65801	0.216	0.435	0.596	1.085	1.585	2.763	3.928	4.416	4.642	4.899

Table E-32: 2-Year Expected Value Weighted Rainfall Depth for Nodes (inch)

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
119	49512	0.48028	0.51972	0.157	0.297	0.415	0.774	1.146	2.027	2.796	3.101	3.259	3.461
126	50406	0.47176	0.52824	0.156	0.297	0.414	0.772	1.141	2.016	2.781	3.084	3.241	3.442
127	53503	0.44444	0.55556	0.155	0.296	0.411	0.763	1.125	1.983	2.732	3.030	3.183	3.379
132u	3797	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
132t	1128	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
132c	4924	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
133u	54355	0.43748	0.56252	0.154	0.295	0.411	0.761	1.120	1.974	2.719	3.017	3.169	3.363
133t	6640	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
133c	60996	0.38985	0.61015	0.152	0.294	0.406	0.746	1.091	1.915	2.633	2.923	3.068	3.253
134u	62701	0.37925	0.62075	0.152	0.293	0.406	0.742	1.085	1.902	2.614	2.902	3.046	3.228
134t	3860	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
134c	66561	0.35726	0.64274	0.151	0.293	0.404	0.736	1.072	1.875	2.575	2.859	3.000	3.177
137	67802	0.35072	0.64928	0.150	0.292	0.403	0.733	1.068	1.867	2.563	2.846	2.986	3.162
138	69105	0.34410	0.65590	0.150	0.292	0.402	0.731	1.064	1.859	2.551	2.833	2.972	3.147
139	69533	0.34199	0.65801	0.150	0.292	0.402	0.731	1.062	1.856	2.547	2.829	2.968	3.142