

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

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INTERNATIONAL

TECHNICAL APPENDIX E.7

**PA-1, -2, -3 & -4 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-Mountaneous (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
Mountaneous (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 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-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-Mountainous (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
		Mountainous (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 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-2 Orange County Rainfall Intensity for Design Storm Events

Storm Event	Rainfall Input	Coefficient		Duration (minutes)													
		a	b	5	10	15	20	25	30	40	50	60	90	120	180	360	1440
				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	673	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	910	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	673	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	910	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	673	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	910	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	673	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	910	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	673	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	910	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	673	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	910	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	673	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	910	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	673	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S20	1914	0.95461	0.04539	0.62	1.03	1.49	3.03	4.71	8.57	12.52	14.25	15.05	15.87
S21	1774	0.53053	0.46947	0.52	0.96	1.34	2.54	3.82	6.76	9.82	11.17	11.80	12.41
S22	3743	0.15175	0.84825	0.43	0.90	1.20	2.11	3.03	5.14	7.43	8.43	8.91	9.33
S23	1584	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S24	1873	0.13705	0.86295	0.43	0.89	1.20	2.10	3.00	5.08	7.34	8.33	8.81	9.22
S25	2350	0.00000	1.00000	0.40	0.87	1.15	1.94	2.71	4.49	6.46	7.33	7.75	8.09
S26	910	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	673	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	910	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	673	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	910	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	673	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	910	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	673	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	910	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	673	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	910	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	S8	
				S9	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	S10	
					S11	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	S12	
					S13	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	S14	S14	
						S15	S15	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	S16	S16	
						S17	S17	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	S18	S18	
								S19.1	S19	S19	S19	S19	S19	S19				S19		S19	S19		S19	S19	S19	S19	
									S20	S20	S20	S20	S20	S20				S20		S20	S20		S20	S20	S20	S20	
									S21	S21	S21	S21	S21	S21				S21		S21	S21		S21	S21	S21	S21	
									S22	S22	S22	S22	S22	S22				S22		S22	S22		S22	S22	S22	S22	
									S23	S23	S23	S23	S23	S23				S23		S23	S23		S23	S23	S23	S23	
									S24	S24	S24	S24	S24	S24				S24		S24	S24		S24	S24	S24	S24	
									S25	S25	S25	S25	S25	S25				S25		S25	S25		S25	S25	S25	S25	
										S26	S26	S26	S26	S26				S26		S26	S26		S26	S26	S26	S26	
											S27	S27	S27	S27				S27		S27	S27		S27	S27	S27	S27	
												S28	S28	S28				S28		S28	S28		S28	S28	S28	S28	
													S29	S29				S29		S29	S29		S29	S29	S29	S29	
														S30				S30		S30	S30		S30	S30	S30	S30	
														S31				S31		S31	S31		S31	S31	S31	S31	
															S32				S32		S32	S32		S32	S32	S32	
																S33				S33			S33	S33	S33	S33	
																					S34			S34	S34	S34	
																						S35			S35	S35	
																						S36			S36	S36	
																							S37			S37	
																								S38		S38	
																									S39		S39

Table E-18: Mountainous Area Ratio for Main Nodes

Node	Area (ac)	Mtn. Area (ac)	Weighted Mtn. Ratio
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	49495.7	23779.30	0.48043
126 Total	50405.8	23779.30	0.47176
127 Total	53503.2	23779.30	0.44445
132u Total	3796.8	0.00	0.00000
132c Total	4924.4	0.00	0.00000
133u Total	54354.9	23779.30	0.43748
133t Total	6640.5	0.00	0.00000
133c Total	60995.3	23779.30	0.38985
134u Total	62700.8	23779.30	0.37925
134t Total	3859.7	0.00	0.00000
134c Total	66560.5	23779.30	0.35726
138 Total	69105.1	23779.30	0.34410
139 Total	69532.9	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	49496	0.48043	0.51957	6.126	3.913	3.013	2.470	2.132	1.903	1.647	1.421	1.323	1.122	0.987	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	0.44445	0.55555	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	60995	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	67801	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	49496	0.48043	0.51957	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	0.44445	0.55555	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	60995	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	67801	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	49496	0.48043	0.51957	5.002	3.253	2.474	2.039	1.776	1.555	1.357	1.203	1.080	0.912	0.803	0.673	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	0.44445	0.55555	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	60995	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	67801	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	49496	0.48043	0.51957	3.927	2.601	1.897	1.624	1.415	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	0.44445	0.55555	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	60995	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	67801	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	49496	0.48043	0.51957	2.749	1.821	1.328	1.137	0.990	0.887	0.760	0.677	0.617	0.514	0.457	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	0.44445	0.55555	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	60995	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	67801	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	49496	0.48043	0.51957	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	0.44445	0.55555	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	60995	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	67801	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	49496	0.48043	0.51957	0.510	0.952	1.323	2.488	3.719	6.541	9.51	10.81	11.43	12.01
126	50406	0.47176	0.52824	0.509	0.950	1.320	2.478	3.701	6.504	9.46	10.75	11.36	11.93
127	53503	0.44445	0.55555	0.502	0.946	1.310	2.447	3.643	6.388	9.28	10.55	11.15	11.71
132u	3797	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.46	7.33	7.75	8.09
132t	1128	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.46	7.33	7.75	8.09
132c	4924	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.46	7.33	7.75	8.09
133u	54355	0.43748	0.56252	0.501	0.944	1.307	2.439	3.629	6.358	9.24	10.50	11.10	11.66
133t	6946	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.46	7.33	7.75	8.09
133c	60995	0.38985	0.61015	0.490	0.936	1.290	2.384	3.529	6.155	8.94	10.16	10.73	11.27
134u	62701	0.37925	0.62075	0.487	0.934	1.287	2.372	3.506	6.109	8.87	10.08	10.65	11.18
134t	3860	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.46	7.33	7.75	8.09
134c	66561	0.35726	0.64274	0.482	0.931	1.279	2.347	3.460	6.015	8.73	9.92	10.48	11.00
137	67801	0.35072	0.64928	0.481	0.930	1.276	2.340	3.447	5.988	8.69	9.87	10.43	10.95
138	69105	0.34410	0.65590	0.479	0.928	1.274	2.332	3.433	5.959	8.65	9.82	10.38	10.89
139	69533	0.34199	0.65801	0.479	0.928	1.273	2.330	3.428	5.950	8.63	9.81	10.37	10.88

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	49496	0.48043	0.51957	0.461	0.872	1.214	2.280	3.397	5.989				
126	50406	0.47176	0.52824	0.460	0.871	1.211	2.271	3.380	5.955				
127	53503	0.44445	0.55555	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	60995	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	67801	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	49496	0.48043	0.51957	0.417	0.778	1.080	2.018	3.002	5.299	7.65	8.64	9.11	9.61
126	50406	0.47176	0.52824	0.415	0.777	1.077	2.010	2.988	5.270	7.60	8.59	9.06	9.56
127	53503	0.44445	0.55555	0.411	0.773	1.070	1.986	2.942	5.178	7.47	8.44	8.89	9.38
132u	3797	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.23	5.92	6.22	6.50
132t	1128	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.23	5.92	6.22	6.50
132c	4924	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.23	5.92	6.22	6.50
133u	54355	0.43748	0.56252	0.410	0.772	1.068	1.979	2.931	5.154	7.43	8.40	8.85	9.33
133t	6640	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.23	5.92	6.22	6.50
133c	60995	0.38985	0.61015	0.402	0.767	1.055	1.937	2.851	4.994	7.19	8.13	8.56	9.03
134u	62701	0.37925	0.62075	0.401	0.766	1.052	1.928	2.833	4.958	7.14	8.07	8.50	8.96
134t	3860	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.23	5.92	6.22	6.50
134c	66561	0.35726	0.64274	0.397	0.763	1.046	1.908	2.797	4.884	7.03	7.94	8.37	8.82
137	67801	0.35072	0.64928	0.396	0.762	1.045	1.902	2.786	4.862	6.99	7.91	8.33	8.77
138	69105	0.34410	0.65590	0.395	0.761	1.043	1.896	2.775	4.840	6.96	7.87	8.29	8.73
139	69533	0.34199	0.65801	0.395	0.761	1.042	1.894	2.771	4.832	6.95	7.86	8.28	8.72

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	49496	0.48043	0.51957	0.327	0.633	0.881	1.646	2.449	4.318	6.17	6.92	7.29	7.71
126	50406	0.47176	0.52824	0.326	0.632	0.879	1.640	2.437	4.294	6.13	6.88	7.25	7.67
127	53503	0.44445	0.55555	0.322	0.630	0.873	1.621	2.401	4.221	6.02	6.76	7.12	7.53
132u	3797	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.24	4.79	5.01	5.23
132t	1128	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.24	4.79	5.01	5.23
132c	4924	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.24	4.79	5.01	5.23
133u	54355	0.43748	0.56252	0.321	0.629	0.872	1.616	2.392	4.202	5.99	6.73	7.08	7.49
133t	6640	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.24	4.79	5.01	5.23
133c	60995	0.38985	0.61015	0.315	0.625	0.862	1.583	2.329	4.075	5.80	6.52	6.86	7.25
134u	62701	0.37925	0.62075	0.313	0.624	0.860	1.575	2.314	4.046	5.76	6.47	6.81	7.19
134t	3860	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.24	4.79	5.01	5.23
134c	66561	0.35726	0.64274	0.310	0.622	0.855	1.560	2.285	3.987	5.67	6.38	6.70	7.08
137	67801	0.35072	0.64928	0.309	0.622	0.854	1.556	2.276	3.970	5.65	6.35	6.67	7.04
138	69105	0.34410	0.65590	0.308	0.621	0.852	1.551	2.268	3.952	5.62	6.32	6.64	7.01
139	69533	0.34199	0.65801	0.308	0.621	0.852	1.549	2.265	3.947	5.61	6.31	6.63	7.00

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	49496	0.48043	0.51957	0.229	0.443	0.617	1.152	1.714	3.022	4.32	4.85	5.10	5.40
126	50406	0.47176	0.52824	0.228	0.443	0.615	1.148	1.706	3.006	4.29	4.82	5.07	5.37
127	53503	0.44445	0.55555	0.226	0.441	0.611	1.135	1.681	2.955	4.22	4.73	4.98	5.27
132u	3797	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.97	3.35	3.51	3.66
132t	1128	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.97	3.35	3.51	3.66
132c	4924	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.97	3.35	3.51	3.66
133u	54355	0.43748	0.56252	0.225	0.441	0.610	1.131	1.674	2.942	4.20	4.71	4.96	5.24
133t	6640	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.97	3.35	3.51	3.66
133c	60995	0.38985	0.61015	0.220	0.438	0.603	1.108	1.630	2.852	4.06	4.56	4.80	5.07
134u	62701	0.37925	0.62075	0.219	0.437	0.602	1.103	1.620	2.832	4.03	4.53	4.77	5.03
134t	3860	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.97	3.35	3.51	3.66
134c	66561	0.35726	0.64274	0.217	0.436	0.599	1.092	1.600	2.791	3.97	4.46	4.69	4.95
137	67801	0.35072	0.64928	0.216	0.435	0.598	1.089	1.594	2.779	3.95	4.44	4.67	4.93
138	69105	0.34410	0.65590	0.216	0.435	0.597	1.086	1.587	2.767	3.93	4.42	4.65	4.91
139	69533	0.34199	0.65801	0.216	0.435	0.596	1.085	1.585	2.763	3.93	4.42	4.64	4.90

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	49496	0.48043	0.51957	0.157	0.297	0.415	0.774	1.147	2.027	2.80	3.10	3.26	3.46
126	50406	0.47176	0.52824	0.156	0.297	0.414	0.772	1.141	2.016	2.78	3.08	3.24	3.44
127	53503	0.44445	0.55555	0.155	0.296	0.411	0.763	1.125	1.983	2.73	3.03	3.18	3.38
132u	3797	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.93	2.16	2.25	2.35
132t	1128	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.93	2.16	2.25	2.35
132c	4924	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.93	2.16	2.25	2.35
133u	54355	0.43748	0.56252	0.154	0.295	0.411	0.761	1.120	1.974	2.72	3.02	3.17	3.36
133t	6640	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.93	2.16	2.25	2.35
133c	60995	0.38985	0.61015	0.152	0.294	0.406	0.746	1.091	1.915	2.63	2.92	3.07	3.25
134u	62701	0.37925	0.62075	0.152	0.293	0.406	0.742	1.085	1.902	2.61	2.90	3.05	3.23
134t	3860	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.93	2.16	2.25	2.35
134c	66561	0.35726	0.64274	0.151	0.293	0.404	0.736	1.072	1.875	2.57	2.86	3.00	3.18
137	67801	0.35072	0.64928	0.150	0.292	0.403	0.733	1.068	1.867	2.56	2.85	2.99	3.16
138	69105	0.34410	0.65590	0.150	0.292	0.402	0.731	1.064	1.859	2.55	2.83	2.97	3.15
139	69533	0.34199	0.65801	0.150	0.292	0.402	0.731	1.062	1.856	2.55	2.83	2.97	3.14