

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

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INTERNATIONAL

TECHNICAL APPENDIX G.7

Ultimate 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-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)													
		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	9.227	6.065	4.477	3.575	3.092	2.659	2.339	2.110	1.919	1.687	1.507	1.298	1.012	0.460
S2	1841	0.97669	0.02331	9.287	6.104	4.501	3.591	3.105	2.668	2.349	2.119	1.929	1.698	1.518	1.308	1.021	0.464
S3	2861	0.98360	0.01640	9.309	6.117	4.510	3.597	3.109	2.672	2.352	2.122	1.932	1.701	1.521	1.312	1.024	0.466
S4	1472	0.84026	0.15974	8.862	5.832	4.333	3.480	3.015	2.600	2.283	2.054	1.862	1.625	1.446	1.239	0.956	0.432
S5	918	0.84779	0.15221	8.885	5.847	4.342	3.486	3.020	2.604	2.287	2.058	1.865	1.629	1.450	1.242	0.960	0.434
S6	1312	0.60328	0.39672	8.122	5.360	4.041	3.287	2.858	2.482	2.169	1.941	1.746	1.500	1.320	1.118	0.845	0.376
S7	1965	0.92267	0.07733	9.119	5.996	4.435	3.547	3.069	2.641	2.323	2.093	1.902	1.669	1.489	1.281	0.995	0.451
S8	2269	0.44815	0.55185	7.638	5.051	3.850	3.161	2.756	2.404	2.095	1.867	1.670	1.418	1.238	1.039	0.771	0.340
S9	1828	0.70069	0.29931	8.426	5.554	4.161	3.366	2.923	2.530	2.216	1.987	1.793	1.552	1.372	1.167	0.890	0.399
S10	934	0.05226	0.94774	6.403	4.263	3.361	2.838	2.495	2.206	1.905	1.679	1.476	1.209	1.029	0.837	0.585	0.247
S11	1487	0.99977	0.00023	9.359	6.150	4.530	3.610	3.120	2.680	2.360	2.130	1.940	1.710	1.530	1.320	1.032	0.470
S12	2371	0.84578	0.15422	8.879	5.843	4.340	3.484	3.018	2.603	2.286	2.057	1.864	1.628	1.448	1.241	0.959	0.433
S13	2224	0.26353	0.73647	7.062	4.684	3.622	3.010	2.634	2.312	2.006	1.779	1.579	1.320	1.141	0.944	0.684	0.297
S14	1572	0.24208	0.75792	6.995	4.641	3.595	2.993	2.620	2.301	1.996	1.769	1.569	1.309	1.129	0.933	0.674	0.291
S15	2311	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S16	3204	0.51730	0.48270	7.854	5.189	3.935	3.217	2.802	2.439	2.128	1.900	1.703	1.455	1.275	1.074	0.804	0.356
S17	1188	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S18	1028	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S19.1	2669	0.16894	0.83106	6.767	4.496	3.505	2.933	2.572	2.264	1.961	1.734	1.533	1.270	1.091	0.896	0.640	0.274
S19.2	673	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S20	1914	0.95461	0.04539	9.218	6.060	4.474	3.573	3.090	2.657	2.338	2.108	1.918	1.686	1.506	1.297	1.010	0.459
S21	1774	0.53053	0.46947	7.895	5.215	3.951	3.228	2.810	2.445	2.134	1.906	1.710	1.462	1.282	1.081	0.810	0.359
S22	3743	0.15175	0.84825	6.713	4.461	3.484	2.919	2.560	2.256	1.952	1.726	1.524	1.261	1.082	0.887	0.632	0.270
S23	1584	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S24	1873	0.13705	0.86295	6.668	4.432	3.466	2.907	2.551	2.249	1.945	1.719	1.517	1.253	1.074	0.880	0.625	0.267
S25	2350	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S26	910	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S27	2031	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S28	223	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S29	1755	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S30	2016	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S31	1781	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S32	1128	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S33	1716	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S34	1692	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S35	1580	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S36	2280	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S37	1192	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S38	1304	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235
S39	428	0.00000	1.00000	6.240	4.159	3.297	2.796	2.460	2.180	1.879	1.654	1.450	1.181	1.001	0.810	0.560	0.235

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	7.442	4.562	3.432	2.736	2.323	2.065	1.806	1.530	1.495	1.304	1.173	1.010	0.787	0.357
S2	1841	0.97669	0.02331	7.496	4.588	3.449	2.747	2.331	2.072	1.812	1.535	1.502	1.311	1.181	1.018	0.794	0.361
S3	2861	0.98360	0.01640	7.515	4.598	3.456	2.751	2.333	2.074	1.815	1.536	1.504	1.314	1.184	1.020	0.796	0.362
S4	1472	0.84026	0.15974	7.119	4.402	3.329	2.671	2.276	2.026	1.767	1.503	1.452	1.259	1.127	0.966	0.746	0.337
S5	918	0.84779	0.15221	7.140	4.413	3.336	2.675	2.279	2.028	1.769	1.505	1.455	1.262	1.130	0.969	0.748	0.338
S6	1312	0.60328	0.39672	6.465	4.080	3.121	2.538	2.181	1.945	1.688	1.449	1.367	1.169	1.035	0.876	0.663	0.294
S7	1965	0.92267	0.07733	7.347	4.515	3.402	2.717	2.309	2.054	1.794	1.522	1.482	1.291	1.160	0.997	0.775	0.351
S8	2269	0.44815	0.55185	6.037	3.869	2.984	2.452	2.119	1.892	1.636	1.413	1.311	1.110	0.974	0.817	0.609	0.267
S9	1828	0.70069	0.29931	6.734	4.212	3.207	2.593	2.220	1.978	1.720	1.471	1.402	1.206	1.073	0.913	0.697	0.312
S10	934	0.05226	0.94774	4.944	3.330	2.636	2.230	1.961	1.758	1.504	1.322	1.169	0.959	0.819	0.667	0.470	0.196
S11	1487	0.99977	0.00023	7.559	4.620	3.470	2.760	2.340	2.080	1.820	1.540	1.510	1.320	1.190	1.027	0.802	0.365
S12	2371	0.84578	0.15422	7.134	4.410	3.334	2.674	2.278	2.028	1.769	1.505	1.454	1.261	1.130	0.968	0.748	0.338
S13	2224	0.26353	0.73647	5.527	3.617	2.822	2.348	2.045	1.830	1.575	1.371	1.245	1.040	0.902	0.747	0.544	0.234
S14	1572	0.24208	0.75792	5.468	3.588	2.803	2.336	2.037	1.822	1.567	1.366	1.237	1.032	0.893	0.739	0.536	0.230
S15	2311	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
S16	3204	0.51730	0.48270	6.228	3.963	3.045	2.490	2.147	1.916	1.659	1.429	1.336	1.136	1.001	0.843	0.633	0.279
S17	1188	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
S18	1028	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
S19.1	2669	0.16894	0.83106	5.266	3.488	2.739	2.295	2.007	1.797	1.543	1.349	1.211	1.004	0.864	0.711	0.511	0.217
S19.2	673	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
S20	1914	0.95461	0.04539	7.435	4.558	3.430	2.735	2.322	2.065	1.805	1.530	1.494	1.303	1.172	1.009	0.786	0.357
S21	1774	0.53053	0.46947	6.264	3.981	3.057	2.498	2.152	1.920	1.664	1.432	1.341	1.141	1.006	0.848	0.637	0.281
S22	3743	0.15175	0.84825	5.219	3.465	2.724	2.286	2.001	1.792	1.537	1.345	1.205	0.997	0.858	0.704	0.505	0.214
S23	1584	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
S24	1873	0.13705	0.86295	5.178	3.445	2.711	2.278	1.995	1.787	1.532	1.342	1.199	0.992	0.852	0.699	0.500	0.211
S25	2350	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
S26	910	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
S27	2031	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
S28	223	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
S29	1755	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
S30	2016	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
S31	1781	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
S32	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
S33	1716	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
S34	1692	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
S35	1580	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
S36	2280	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
S37	1192	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
S38	1304	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
S39	428	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

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	6.623	4.044	2.993	2.461	2.087	1.887	1.581	1.420	1.366	1.157	1.027	0.925	0.720	0.327
S2	1841	0.97669	0.02331	6.667	4.065	3.005	2.469	2.093	1.893	1.585	1.425	1.373	1.163	1.033	0.932	0.726	0.330
S3	2861	0.98360	0.01640	6.683	4.072	3.010	2.473	2.095	1.895	1.586	1.426	1.375	1.165	1.035	0.934	0.728	0.331
S4	1472	0.84026	0.15974	6.356	3.918	2.919	2.408	2.050	1.852	1.555	1.394	1.329	1.121	0.991	0.885	0.682	0.308
S5	918	0.84779	0.15221	6.373	3.926	2.924	2.411	2.052	1.854	1.556	1.396	1.331	1.123	0.993	0.887	0.684	0.309
S6	1312	0.60328	0.39672	5.815	3.662	2.770	2.301	1.976	1.781	1.502	1.341	1.253	1.048	0.918	0.802	0.606	0.269
S7	1965	0.92267	0.07733	6.544	4.007	2.971	2.445	2.076	1.877	1.573	1.413	1.355	1.146	1.016	0.913	0.708	0.321
S8	2269	0.44815	0.55185	5.462	3.494	2.673	2.231	1.928	1.734	1.468	1.306	1.203	1.000	0.870	0.749	0.556	0.244
S9	1828	0.70069	0.29931	6.038	3.767	2.832	2.345	2.006	1.810	1.524	1.363	1.284	1.078	0.948	0.836	0.637	0.285
S10	934	0.05226	0.94774	4.559	3.067	2.423	2.053	1.804	1.616	1.380	1.217	1.077	0.878	0.748	0.611	0.428	0.180
S11	1487	0.99977	0.00023	6.719	4.090	3.020	2.480	2.100	1.900	1.590	1.430	1.380	1.170	1.040	0.940	0.733	0.334
S12	2371	0.84578	0.15422	6.368	3.924	2.923	2.411	2.052	1.854	1.556	1.395	1.331	1.123	0.993	0.887	0.684	0.309
S13	2224	0.26353	0.73647	5.041	3.295	2.556	2.148	1.870	1.679	1.427	1.264	1.144	0.943	0.813	0.685	0.496	0.214
S14	1572	0.24208	0.75792	4.992	3.272	2.543	2.139	1.863	1.673	1.422	1.259	1.137	0.937	0.807	0.677	0.490	0.211
S15	2311	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
S16	3204	0.51730	0.48270	5.619	3.569	2.716	2.263	1.949	1.755	1.483	1.321	1.226	1.022	0.891	0.773	0.578	0.256
S17	1188	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
S18	1028	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
S19.1	2669	0.16894	0.83106	4.825	3.193	2.497	2.106	1.840	1.651	1.406	1.243	1.114	0.914	0.784	0.652	0.466	0.199
S19.2	673	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
S20	1914	0.95461	0.04539	6.617	4.041	2.991	2.460	2.086	1.886	1.580	1.420	1.365	1.156	1.026	0.924	0.719	0.326
S21	1774	0.53053	0.46947	5.650	3.583	2.724	2.268	1.953	1.759	1.486	1.324	1.230	1.026	0.895	0.777	0.582	0.258
S22	3743	0.15175	0.84825	4.786	3.174	2.486	2.098	1.835	1.646	1.402	1.239	1.109	0.909	0.779	0.646	0.460	0.196
S23	1584	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
S24	1873	0.13705	0.86295	4.752	3.159	2.477	2.091	1.830	1.641	1.398	1.236	1.104	0.905	0.774	0.641	0.456	0.194
S25	2350	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
S26	910	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
S27	2031	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
S28	223	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
S29	1755	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
S30	2016	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
S31	1781	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
S32	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
S33	1716	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
S34	1692	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
S35	1580	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

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	5.918	3.773	2.782	2.242	1.936	1.670	1.479	1.320	1.208	1.048	0.947	0.814	0.633	0.288
S2	1841	0.97669	0.02331	5.955	3.795	2.795	2.250	1.942	1.674	1.484	1.324	1.214	1.053	0.953	0.820	0.639	0.290
S3	2861	0.98360	0.01640	5.969	3.802	2.799	2.253	1.944	1.676	1.486	1.326	1.216	1.055	0.955	0.822	0.640	0.291
S4	1472	0.84026	0.15974	5.693	3.646	2.707	2.192	1.896	1.642	1.449	1.291	1.177	1.014	0.912	0.779	0.601	0.271
S5	918	0.84779	0.15221	5.708	3.654	2.712	2.195	1.899	1.643	1.451	1.293	1.179	1.017	0.914	0.782	0.603	0.272
S6	1312	0.60328	0.39672	5.238	3.387	2.553	2.091	1.817	1.585	1.388	1.233	1.113	0.947	0.840	0.709	0.535	0.238
S7	1965	0.92267	0.07733	5.852	3.736	2.760	2.227	1.924	1.661	1.470	1.311	1.199	1.038	0.937	0.804	0.623	0.283
S8	2269	0.44815	0.55185	4.940	3.218	2.453	2.025	1.765	1.548	1.348	1.195	1.071	0.903	0.793	0.663	0.491	0.216
S9	1828	0.70069	0.29931	5.425	3.493	2.616	2.133	1.849	1.608	1.413	1.257	1.139	0.975	0.869	0.738	0.562	0.252
S10	934	0.05226	0.94774	4.180	2.786	2.197	1.857	1.632	1.453	1.247	1.098	0.964	0.790	0.673	0.546	0.381	0.161
S11	1487	0.99977	0.00023	6.000	3.820	2.810	2.260	1.950	1.680	1.490	1.330	1.220	1.060	0.960	0.827	0.645	0.294
S12	2371	0.84578	0.15422	5.704	3.652	2.710	2.194	1.898	1.643	1.450	1.292	1.178	1.016	0.913	0.781	0.602	0.272
S13	2224	0.26353	0.73647	4.586	3.016	2.334	1.947	1.703	1.503	1.301	1.150	1.021	0.850	0.737	0.608	0.440	0.190
S14	1572	0.24208	0.75792	4.545	2.993	2.320	1.937	1.696	1.498	1.295	1.144	1.015	0.844	0.730	0.602	0.434	0.187
S15	2311	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
S16	3204	0.51730	0.48270	5.073	3.293	2.498	2.055	1.788	1.564	1.366	1.212	1.090	0.922	0.814	0.683	0.511	0.226
S17	1188	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
S18	1028	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
S19.1	2669	0.16894	0.83106	4.404	2.913	2.272	1.906	1.671	1.481	1.277	1.126	0.996	0.823	0.708	0.580	0.414	0.177
S19.2	673	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
S20	1914	0.95461	0.04539	5.913	3.770	2.781	2.241	1.935	1.669	1.478	1.319	1.208	1.047	0.946	0.813	0.632	0.287
S21	1774	0.53053	0.46947	5.099	3.308	2.506	2.060	1.792	1.567	1.369	1.215	1.093	0.926	0.818	0.687	0.514	0.228
S22	3743	0.15175	0.84825	4.371	2.894	2.261	1.899	1.665	1.476	1.272	1.122	0.991	0.818	0.703	0.575	0.409	0.175
S23	1584	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
S24	1873	0.13705	0.86295	4.343	2.878	2.252	1.893	1.660	1.473	1.268	1.119	0.987	0.814	0.699	0.571	0.405	0.173
S25	2350	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
S26	910	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
S27	2031	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
S28	223	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
S29	1755	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
S30	2016	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
S31	1781	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
S32	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
S33	1716	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
S34	1692	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
S35	1580	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

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	4.728	3.041	2.074	1.786	1.539	1.352	1.181	1.062	0.981	0.841	0.770	0.660	0.514	0.233
S2	1841	0.97669	0.02331	4.761	3.058	2.081	1.792	1.544	1.356	1.185	1.065	0.985	0.845	0.774	0.665	0.518	0.235
S3	2861	0.98360	0.01640	4.772	3.065	2.084	1.794	1.546	1.357	1.187	1.067	0.987	0.846	0.776	0.666	0.520	0.236
S4	1472	0.84026	0.15974	4.532	2.933	2.031	1.746	1.508	1.331	1.158	1.039	0.956	0.814	0.741	0.633	0.488	0.220
S5	918	0.84779	0.15221	4.544	2.940	2.033	1.748	1.510	1.333	1.160	1.040	0.958	0.816	0.743	0.634	0.490	0.221
S6	1312	0.60328	0.39672	4.134	2.714	1.942	1.666	1.447	1.289	1.111	0.992	0.907	0.762	0.682	0.577	0.435	0.194
S7	1965	0.92267	0.07733	4.670	3.009	2.061	1.774	1.530	1.346	1.175	1.055	0.974	0.833	0.761	0.652	0.506	0.229
S8	2269	0.44815	0.55185	3.873	2.571	1.885	1.613	1.406	1.261	1.080	0.961	0.874	0.727	0.644	0.541	0.401	0.176
S9	1828	0.70069	0.29931	4.297	2.804	1.979	1.699	1.472	1.306	1.130	1.011	0.927	0.783	0.706	0.600	0.457	0.204
S10	934	0.05226	0.94774	3.208	2.206	1.737	1.479	1.303	1.189	1.000	0.884	0.791	0.639	0.547	0.449	0.313	0.132
S11	1487	0.99977	0.00023	4.800	3.080	2.090	1.800	1.550	1.360	1.190	1.070	0.990	0.850	0.780	0.670	0.523	0.238
S12	2371	0.84578	0.15422	4.541	2.938	2.033	1.748	1.510	1.332	1.159	1.040	0.958	0.816	0.742	0.634	0.489	0.221
S13	2224	0.26353	0.73647	3.563	2.401	1.816	1.551	1.358	1.227	1.043	0.925	0.835	0.686	0.599	0.498	0.360	0.156
S14	1572	0.24208	0.75792	3.527	2.381	1.808	1.543	1.352	1.224	1.038	0.921	0.831	0.681	0.593	0.493	0.355	0.153
S15	2311	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
S16	3204	0.51730	0.48270	3.989	2.635	1.910	1.637	1.424	1.273	1.093	0.975	0.889	0.743	0.661	0.557	0.416	0.184
S17	1188	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
S18	1028	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
S19.1	2669	0.16894	0.83106	3.404	2.313	1.781	1.519	1.333	1.210	1.024	0.907	0.815	0.665	0.575	0.476	0.339	0.145
S19.2	673	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
S20	1914	0.95461	0.04539	4.724	3.038	2.073	1.785	1.538	1.352	1.181	1.061	0.980	0.840	0.769	0.659	0.513	0.233
S21	1774	0.53053	0.46947	4.011	2.647	1.915	1.641	1.428	1.275	1.096	0.978	0.891	0.746	0.664	0.560	0.419	0.185
S22	3743	0.15175	0.84825	3.375	2.298	1.774	1.513	1.329	1.207	1.020	0.903	0.812	0.661	0.571	0.472	0.335	0.143
S23	1584	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
S24	1873	0.13705	0.86295	3.350	2.284	1.769	1.508	1.325	1.205	1.017	0.900	0.809	0.658	0.568	0.469	0.332	0.142
S25	2350	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
S26	910	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
S27	2031	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
S28	223	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
S29	1755	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
S30	2016	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
S31	1781	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
S32	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
S33	1716	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
S34	1692	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
S35	1580	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

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	3.310	2.128	1.452	1.250	1.077	0.947	0.827	0.743	0.687	0.588	0.539	0.462	0.360	0.163
S2	1841	0.97669	0.02331	3.333	2.141	1.457	1.254	1.081	0.949	0.830	0.746	0.690	0.591	0.542	0.465	0.363	0.165
S3	2861	0.98360	0.01640	3.341	2.145	1.459	1.256	1.082	0.950	0.831	0.747	0.691	0.592	0.543	0.466	0.364	0.165
S4	1472	0.84026	0.15974	3.172	2.053	1.421	1.222	1.056	0.932	0.811	0.727	0.670	0.570	0.518	0.443	0.342	0.154
S5	918	0.84779	0.15221	3.181	2.058	1.423	1.224	1.057	0.933	0.812	0.728	0.671	0.571	0.520	0.444	0.343	0.155
S6	1312	0.60328	0.39672	2.893	1.900	1.360	1.166	1.013	0.902	0.777	0.694	0.635	0.533	0.478	0.404	0.305	0.136
S7	1965	0.92267	0.07733	3.269	2.106	1.443	1.242	1.071	0.942	0.822	0.738	0.682	0.583	0.533	0.456	0.354	0.160
S8	2269	0.44815	0.55185	2.711	1.800	1.319	1.129	0.984	0.882	0.756	0.673	0.612	0.509	0.451	0.379	0.281	0.123
S9	1828	0.70069	0.29931	3.008	1.963	1.385	1.189	1.030	0.914	0.791	0.708	0.649	0.548	0.494	0.420	0.320	0.143
S10	934	0.05226	0.94774	2.245	1.544	1.216	1.035	0.912	0.833	0.700	0.618	0.554	0.447	0.383	0.314	0.219	0.092
S11	1487	0.99977	0.00023	3.360	2.156	1.463	1.260	1.085	0.952	0.833	0.749	0.693	0.595	0.546	0.469	0.366	0.167
S12	2371	0.84578	0.15422	3.179	2.056	1.423	1.223	1.057	0.933	0.811	0.728	0.670	0.571	0.519	0.444	0.342	0.154
S13	2224	0.26353	0.73647	2.494	1.680	1.271	1.085	0.951	0.859	0.730	0.648	0.585	0.480	0.419	0.349	0.252	0.109
S14	1572	0.24208	0.75792	2.469	1.667	1.266	1.080	0.947	0.857	0.727	0.645	0.582	0.477	0.415	0.345	0.249	0.107
S15	2311	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
S16	3204	0.51730	0.48270	2.792	1.844	1.337	1.146	0.997	0.891	0.765	0.683	0.622	0.520	0.463	0.390	0.291	0.129
S17	1188	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
S18	1028	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
S19.1	2669	0.16894	0.83106	2.383	1.619	1.247	1.063	0.933	0.847	0.717	0.635	0.571	0.466	0.403	0.333	0.237	0.102
S19.2	673	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
S20	1914	0.95461	0.04539	3.307	2.127	1.451	1.249	1.077	0.946	0.827	0.743	0.686	0.588	0.538	0.462	0.359	0.163
S21	1774	0.53053	0.46947	2.808	1.853	1.341	1.149	0.999	0.893	0.767	0.684	0.624	0.522	0.465	0.392	0.293	0.130
S22	3743	0.15175	0.84825	2.362	1.608	1.242	1.059	0.930	0.845	0.714	0.632	0.568	0.463	0.400	0.330	0.235	0.100
S23	1584	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
S24	1873	0.13705	0.86295	2.345	1.599	1.238	1.056	0.927	0.843	0.712	0.630	0.566	0.461	0.397	0.328	0.232	0.099
S25	2350	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
S26	910	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
S27	2031	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
S28	223	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
S29	1755	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
S30	2016	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
S31	1781	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
S32	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
S33	1716	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
S34	1692	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
S35	1580	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
S36	2280	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
S37	1192	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
S38	1304	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
S39	428	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

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	2.159	1.439	1.061	0.841	0.710	0.627	0.543	0.487	0.458	0.402	0.359	0.308	0.240	0.109
S2	1841	0.97669	0.02331	2.170	1.447	1.066	0.844	0.712	0.628	0.544	0.488	0.460	0.404	0.361	0.310	0.241	0.110
S3	2861	0.98360	0.01640	2.174	1.450	1.067	0.845	0.713	0.629	0.545	0.489	0.461	0.404	0.362	0.311	0.242	0.110
S4	1472	0.84026	0.15974	2.090	1.393	1.035	0.826	0.700	0.619	0.536	0.479	0.447	0.389	0.347	0.296	0.228	0.103
S5	918	0.84779	0.15221	2.095	1.396	1.036	0.827	0.701	0.619	0.536	0.480	0.448	0.390	0.348	0.297	0.228	0.103
S6	1312	0.60328	0.39672	1.951	1.301	0.981	0.795	0.680	0.602	0.520	0.463	0.426	0.365	0.321	0.271	0.204	0.091
S7	1965	0.92267	0.07733	2.139	1.426	1.053	0.837	0.707	0.625	0.541	0.485	0.455	0.398	0.356	0.305	0.236	0.107
S8	2269	0.44815	0.55185	1.860	1.240	0.945	0.774	0.667	0.591	0.510	0.453	0.412	0.348	0.304	0.255	0.188	0.083
S9	1828	0.70069	0.29931	2.008	1.339	1.003	0.808	0.689	0.609	0.526	0.470	0.435	0.375	0.332	0.281	0.213	0.096
S10	934	0.05226	0.94774	1.627	1.085	0.855	0.722	0.634	0.564	0.484	0.426	0.376	0.307	0.261	0.213	0.148	0.062
S11	1487	0.99977	0.00023	2.184	1.456	1.071	0.847	0.714	0.630	0.546	0.490	0.462	0.406	0.364	0.313	0.244	0.111
S12	2371	0.84578	0.15422	2.093	1.396	1.036	0.827	0.701	0.619	0.536	0.480	0.448	0.390	0.347	0.296	0.228	0.103
S13	2224	0.26353	0.73647	1.751	1.168	0.903	0.750	0.651	0.578	0.498	0.440	0.395	0.329	0.284	0.235	0.169	0.073
S14	1572	0.24208	0.75792	1.738	1.159	0.899	0.747	0.650	0.577	0.496	0.439	0.393	0.327	0.282	0.233	0.167	0.072
S15	2311	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
S16	3204	0.51730	0.48270	1.900	1.267	0.961	0.783	0.673	0.596	0.514	0.457	0.418	0.356	0.312	0.262	0.195	0.086
S17	1188	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
S18	1028	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
S19.1	2669	0.16894	0.83106	1.695	1.131	0.882	0.737	0.643	0.572	0.491	0.434	0.386	0.319	0.274	0.225	0.159	0.068
S19.2	673	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
S20	1914	0.95461	0.04539	2.157	1.438	1.061	0.841	0.710	0.627	0.543	0.487	0.458	0.401	0.359	0.308	0.239	0.109
S21	1774	0.53053	0.46947	1.908	1.272	0.964	0.785	0.674	0.597	0.515	0.458	0.419	0.357	0.313	0.263	0.196	0.087
S22	3743	0.15175	0.84825	1.685	1.124	0.878	0.735	0.642	0.571	0.490	0.433	0.385	0.317	0.272	0.224	0.158	0.068
S23	1584	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
S24	1873	0.13705	0.86295	1.677	1.118	0.875	0.733	0.641	0.570	0.489	0.432	0.383	0.316	0.271	0.222	0.156	0.067
S25	2350	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
S26	910	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
S27	2031	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
S28	223	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
S29	1755	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
S30	2016	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
S31	1781	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
S32	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
S33	1716	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
S34	1692	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
S35	1580	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
S36	2280	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
S37	1192	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
S38	1304	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
S39	428	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

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	0.620	1.033	1.495	3.031	4.720	8.578	12.537	14.268	15.071	15.889
S2	1841	0.97669	0.02331	0.625	1.036	1.502	3.053	4.761	8.660	12.666	14.415	15.226	16.055
S3	2861	0.98360	0.01640	0.626	1.037	1.504	3.061	4.776	8.690	12.706	14.461	15.274	16.106
S4	1472	0.84026	0.15974	0.593	1.013	1.452	2.898	4.475	8.078	11.784	13.408	14.164	14.923
S5	918	0.84779	0.15221	0.595	1.014	1.455	2.906	4.490	8.110	11.844	13.477	14.237	15.001
S6	1312	0.60328	0.39672	0.539	0.973	1.367	2.628	3.977	7.066	10.288	11.701	12.362	13.003
S7	1965	0.92267	0.07733	0.612	1.027	1.482	2.992	4.648	8.430	12.326	14.027	14.817	15.619
S8	2269	0.44815	0.55185	0.503	0.946	1.311	2.451	3.651	6.404	9.294	10.566	11.165	11.728
S9	1828	0.70069	0.29931	0.561	0.989	1.402	2.739	4.181	7.482	10.917	12.419	13.119	13.810
S10	934	0.05226	0.94774	0.412	0.879	1.169	2.000	2.820	4.713	6.776	7.691	8.131	8.496
S11	1487	0.99977	0.00023	0.630	1.040	1.510	3.080	4.810	8.759	12.809	14.579	15.398	16.238
S12	2371	0.84578	0.15422	0.595	1.014	1.454	2.904	4.486	8.102	11.828	13.459	14.217	14.980
S13	2224	0.26353	0.73647	0.461	0.915	1.245	2.240	3.263	5.615	8.130	9.236	9.762	10.233
S14	1572	0.24208	0.75792	0.456	0.911	1.237	2.216	3.218	5.524	7.995	9.083	9.599	10.060
S15	2311	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S16	3204	0.51730	0.48270	0.519	0.958	1.336	2.530	3.796	6.699	9.739	11.074	11.701	12.299
S17	1188	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S18	1028	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S19.1	2669	0.16894	0.83106	0.439	0.899	1.211	2.133	3.065	5.211	7.298	8.287	8.760	9.166
S19.2	673	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	7.298	8.287	8.760	9.166
S20	1914	0.95461	0.04539	0.620	1.032	1.494	3.028	4.715	8.566	7.298	8.287	8.760	9.166
S21	1774	0.53053	0.46947	0.522	0.960	1.341	2.545	3.824	6.755	12.519	14.248	15.050	15.867
S22	3743	0.15175	0.84825	0.435	0.896	1.205	2.113	3.029	5.138	9.822	11.169	11.800	12.405
S23	1584	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	7.425	8.432	8.913	9.329
S24	1873	0.13705	0.86295	0.432	0.893	1.199	2.096	2.998	5.075	6.460	7.330	7.750	8.090
S25	2350	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	7.340	8.334	8.810	9.219
S26	910	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S27	2031	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S28	223	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S29	1755	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S30	2016	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S31	1781	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S32	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
S33	1716	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S34	1692	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S35	1580	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S36	2280	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S37	1192	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S38	1304	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
S39	428	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090

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	0.552	0.944	1.366	2.776	4.318	7.844	0.000	0.000	0.000	0.000
S2	1841	0.97669	0.02331	0.556	0.947	1.373	2.796	4.355	7.919	0.000	0.000	0.000	0.000
S3	2861	0.98360	0.01640	0.557	0.948	1.375	2.803	4.368	7.946	0.000	0.000	0.000	0.000
S4	1472	0.84026	0.15974	0.530	0.926	1.329	2.654	4.092	7.389	0.000	0.000	0.000	0.000
S5	918	0.84779	0.15221	0.531	0.927	1.331	2.662	4.106	7.418	0.000	0.000	0.000	0.000
S6	1312	0.60328	0.39672	0.485	0.890	1.253	2.407	3.634	6.467	0.000	0.000	0.000	0.000
S7	1965	0.92267	0.07733	0.545	0.938	1.355	2.740	4.251	7.709	0.000	0.000	0.000	0.000
S8	2269	0.44815	0.55185	0.455	0.867	1.203	2.246	3.335	5.863	0.000	0.000	0.000	0.000
S9	1828	0.70069	0.29931	0.503	0.905	1.284	2.509	3.822	6.846	0.000	0.000	0.000	0.000
S10	934	0.05226	0.94774	0.380	0.808	1.077	1.834	2.571	4.323	0.000	0.000	0.000	0.000
S11	1487	0.99977	0.00023	0.560	0.950	1.380	2.820	4.400	8.009	0.000	0.000	0.000	0.000
S12	2371	0.84578	0.15422	0.531	0.927	1.331	2.660	4.102	7.410	0.000	0.000	0.000	0.000
S13	2224	0.26353	0.73647	0.420	0.840	1.144	2.054	2.979	5.145	0.000	0.000	0.000	0.000
S14	1572	0.24208	0.75792	0.416	0.836	1.137	2.032	2.937	5.062	0.000	0.000	0.000	0.000
S15	2311	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S16	3204	0.51730	0.48270	0.468	0.878	1.226	2.318	3.468	6.132	0.000	0.000	0.000	0.000
S17	1188	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S18	1028	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S19.1	2669	0.16894	0.83106	0.402	0.825	1.114	1.956	2.796	4.777	0.000	0.000	0.000	0.000
S19.2	673	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S20	1914	0.95461	0.04539	0.551	0.943	1.365	2.773	4.312	7.833	0.000	0.000	0.000	0.000
S21	1774	0.53053	0.46947	0.471	0.880	1.230	2.332	3.494	6.184	0.000	0.000	0.000	0.000
S22	3743	0.15175	0.84825	0.399	0.823	1.109	1.938	2.763	4.710	0.000	0.000	0.000	0.000
S23	1584	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S24	1873	0.13705	0.86295	0.396	0.821	1.104	1.923	2.735	4.653	0.000	0.000	0.000	0.000
S25	2350	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S26	910	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S27	2031	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S28	223	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S29	1755	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S30	2016	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S31	1781	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S32	1128	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S33	1716	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S34	1692	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S35	1580	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S36	2280	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S37	1192	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S38	1304	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000
S39	428	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	0.000	0.000	0.000	0.000

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	0.493	0.835	1.208	2.442	3.799	6.906	10.045	11.339	11.974	12.704
S2	1841	0.97669	0.02331	0.496	0.837	1.214	2.459	3.831	6.971	10.143	11.448	12.090	12.829
S3	2861	0.98360	0.01640	0.497	0.838	1.216	2.465	3.843	6.995	10.178	11.487	12.131	12.874
S4	1472	0.84026	0.15974	0.474	0.821	1.177	2.338	3.603	6.512	9.457	10.676	11.270	11.945
S5	918	0.84779	0.15221	0.476	0.822	1.179	2.345	3.616	6.537	9.494	10.719	11.315	11.994
S6	1312	0.60328	0.39672	0.437	0.792	1.113	2.127	3.207	5.713	8.265	9.335	9.846	10.409
S7	1965	0.92267	0.07733	0.488	0.831	1.199	2.411	3.741	6.789	9.871	11.142	11.765	12.479
S8	2269	0.44815	0.55185	0.412	0.774	1.071	1.989	2.948	5.190	7.484	8.457	8.913	9.404
S9	1828	0.70069	0.29931	0.452	0.804	1.139	2.214	3.370	6.041	8.754	9.886	10.431	11.040
S10	934	0.05226	0.94774	0.348	0.726	0.964	1.637	2.287	3.856	5.493	6.216	6.534	6.839
S11	1487	0.99977	0.00023	0.500	0.840	1.220	2.480	3.870	7.049	10.259	11.579	12.229	12.978
S12	2371	0.84578	0.15422	0.475	0.821	1.178	2.343	3.612	6.530	9.484	10.707	11.303	11.981
S13	2224	0.26353	0.73647	0.382	0.752	1.021	1.825	2.640	4.568	6.556	7.412	7.804	8.208
S14	1572	0.24208	0.75792	0.379	0.749	1.015	1.805	2.604	4.496	6.448	7.290	7.675	8.069
S15	2311	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S16	3204	0.51730	0.48270	0.423	0.782	1.090	2.050	3.064	5.423	7.832	8.848	9.329	9.852
S17	1188	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S18	1028	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S19.1	2669	0.16894	0.83106	0.367	0.740	0.996	1.740	2.482	4.249	6.080	6.876	7.235	7.595
S19.2	673	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S20	1914	0.95461	0.04539	0.493	0.835	1.208	2.440	3.794	6.897	10.032	11.323	11.957	12.686
S21	1774	0.53053	0.46947	0.425	0.784	1.093	2.062	3.086	5.468	7.899	8.923	9.408	9.938
S22	3743	0.15175	0.84825	0.364	0.738	0.991	1.725	2.453	4.191	5.993	6.779	7.132	7.483
S23	1584	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S24	1873	0.13705	0.86295	0.362	0.736	0.987	1.712	2.429	4.142	5.919	6.696	7.044	7.388
S25	2350	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S26	910	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S27	2031	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S28	223	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S29	1755	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S30	2016	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S31	1781	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S32	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
S33	1716	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S34	1692	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S35	1580	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S36	2280	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S37	1192	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S38	1304	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
S39	428	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500

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	0.394	0.676	0.981	1.980	3.083	5.596	8.079	9.041	9.548	10.179
S2	1841	0.97669	0.02331	0.397	0.678	0.985	1.994	3.109	5.648	8.157	9.126	9.640	10.279
S3	2861	0.98360	0.01640	0.398	0.679	0.987	1.999	3.118	5.666	8.184	9.157	9.672	10.315
S4	1472	0.84026	0.15974	0.378	0.666	0.956	1.898	2.928	5.282	7.609	8.521	8.993	9.574
S5	918	0.84779	0.15221	0.379	0.666	0.958	1.903	2.938	5.302	7.640	8.554	9.029	9.613
S6	1312	0.60328	0.39672	0.344	0.644	0.907	1.732	2.612	4.647	6.659	7.469	7.870	8.349
S7	1965	0.92267	0.07733	0.389	0.673	0.974	1.956	3.037	5.503	7.940	8.887	9.383	10.000
S8	2269	0.44815	0.55185	0.323	0.630	0.874	1.624	2.406	4.231	6.037	6.780	7.134	7.547
S9	1828	0.70069	0.29931	0.358	0.653	0.927	1.800	2.742	4.908	7.050	7.901	8.331	8.853
S10	934	0.05226	0.94774	0.267	0.595	0.791	1.347	1.880	3.170	4.450	5.022	5.258	5.500
S11	1487	0.99977	0.00023	0.400	0.680	0.990	2.010	3.140	5.709	8.249	9.229	9.749	10.399
S12	2371	0.84578	0.15422	0.378	0.666	0.958	1.902	2.935	5.297	7.632	8.545	9.019	9.603
S13	2224	0.26353	0.73647	0.297	0.614	0.835	1.494	2.160	3.736	5.297	5.960	6.259	6.592
S14	1572	0.24208	0.75792	0.294	0.612	0.831	1.479	2.132	3.679	5.211	5.865	6.157	6.482
S15	2311	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S16	3204	0.51730	0.48270	0.332	0.637	0.889	1.672	2.498	4.416	6.314	7.087	7.462	7.904
S17	1188	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S18	1028	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S19.1	2669	0.16894	0.83106	0.284	0.605	0.815	1.428	2.035	3.483	4.917	5.540	5.811	6.103
S19.2	673	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S20	1914	0.95461	0.04539	0.394	0.676	0.980	1.978	3.080	5.588	8.068	9.028	9.535	10.165
S21	1774	0.53053	0.46947	0.334	0.638	0.891	1.681	2.516	4.452	6.367	7.146	7.525	7.973
S22	3743	0.15175	0.84825	0.281	0.604	0.812	1.416	2.012	3.437	4.849	5.464	5.729	6.015
S23	1584	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S24	1873	0.13705	0.86295	0.279	0.602	0.809	1.406	1.992	3.397	4.790	5.398	5.660	5.939
S25	2350	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S26	910	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S27	2031	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S28	223	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S29	1755	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S30	2016	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S31	1781	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S32	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
S33	1716	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S34	1692	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S35	1580	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S36	2280	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S37	1192	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S38	1304	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
S39	428	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230

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	0.276	0.473	0.687	1.386	2.158	3.917	5.655	6.328	6.683	7.126
S2	1841	0.97669	0.02331	0.278	0.475	0.690	1.396	2.176	3.953	5.710	6.389	6.748	7.196
S3	2861	0.98360	0.01640	0.278	0.475	0.691	1.399	2.183	3.966	5.729	6.410	6.771	7.221
S4	1472	0.84026	0.15974	0.264	0.466	0.670	1.329	2.049	3.697	5.327	5.965	6.295	6.702
S5	918	0.84779	0.15221	0.265	0.466	0.671	1.332	2.056	3.711	5.348	5.988	6.320	6.729
S6	1312	0.60328	0.39672	0.241	0.451	0.635	1.213	1.829	3.253	4.661	5.228	5.509	5.844
S7	1965	0.92267	0.07733	0.272	0.471	0.682	1.369	2.126	3.852	5.558	6.221	6.568	7.000
S8	2269	0.44815	0.55185	0.226	0.441	0.612	1.137	1.684	2.962	4.226	4.746	4.994	5.283
S9	1828	0.70069	0.29931	0.251	0.457	0.649	1.260	1.919	3.435	4.935	5.531	5.832	6.197
S10	934	0.05226	0.94774	0.187	0.416	0.554	0.943	1.316	2.219	3.115	3.515	3.680	3.850
S11	1487	0.99977	0.00023	0.280	0.476	0.693	1.407	2.198	3.997	5.774	6.460	6.824	7.279
S12	2371	0.84578	0.15422	0.265	0.466	0.670	1.331	2.054	3.708	5.342	5.982	6.313	6.722
S13	2224	0.26353	0.73647	0.208	0.430	0.585	1.046	1.512	2.615	3.708	4.172	4.381	4.615
S14	1572	0.24208	0.75792	0.206	0.428	0.582	1.036	1.492	2.575	3.648	4.105	4.310	4.537
S15	2311	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S16	3204	0.51730	0.48270	0.233	0.446	0.622	1.170	1.749	3.091	4.420	4.961	5.223	5.533
S17	1188	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S18	1028	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S19.1	2669	0.16894	0.83106	0.199	0.424	0.571	1.000	1.424	2.438	3.442	3.878	4.068	4.272
S19.2	673	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S20	1914	0.95461	0.04539	0.276	0.473	0.686	1.385	2.156	3.912	5.648	6.320	6.674	7.116
S21	1774	0.53053	0.46947	0.234	0.446	0.624	1.177	1.761	3.116	4.457	5.002	5.267	5.581
S22	3743	0.15175	0.84825	0.197	0.423	0.568	0.991	1.408	2.406	3.394	3.825	4.010	4.210
S23	1584	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S24	1873	0.13705	0.86295	0.195	0.422	0.566	0.984	1.395	2.378	3.353	3.779	3.962	4.157
S25	2350	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S26	910	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S27	2031	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S28	223	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S29	1755	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S30	2016	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S31	1781	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S32	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
S33	1716	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S34	1692	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S35	1580	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S36	2280	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S37	1192	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S38	1304	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
S39	428	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661

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	0.180	0.314	0.458	0.925	1.437	2.614	3.654	4.039	4.264	4.563
S2	1841	0.97669	0.02331	0.181	0.314	0.460	0.931	1.449	2.638	3.689	4.077	4.305	4.608
S3	2861	0.98360	0.01640	0.181	0.314	0.461	0.933	1.453	2.647	3.701	4.091	4.319	4.624
S4	1472	0.84026	0.15974	0.174	0.309	0.447	0.888	1.366	2.470	3.444	3.809	4.017	4.293
S5	918	0.84779	0.15221	0.175	0.310	0.448	0.890	1.370	2.479	3.457	3.824	4.033	4.310
S6	1312	0.60328	0.39672	0.163	0.301	0.426	0.813	1.221	2.178	3.017	3.343	3.518	3.746
S7	1965	0.92267	0.07733	0.178	0.312	0.455	0.914	1.416	2.572	3.592	3.971	4.191	4.483
S8	2269	0.44815	0.55185	0.155	0.296	0.412	0.764	1.127	1.987	2.738	3.038	3.191	3.387
S9	1828	0.70069	0.29931	0.167	0.305	0.435	0.844	1.281	2.298	3.193	3.534	3.723	3.971
S10	934	0.05226	0.94774	0.136	0.282	0.376	0.639	0.886	1.499	2.026	2.259	2.357	2.473
S11	1487	0.99977	0.00023	0.182	0.315	0.462	0.938	1.463	2.667	3.731	4.123	4.354	4.661
S12	2371	0.84578	0.15422	0.174	0.310	0.448	0.889	1.369	2.477	3.454	3.820	4.029	4.306
S13	2224	0.26353	0.73647	0.146	0.289	0.395	0.706	1.014	1.760	2.406	2.674	2.802	2.961
S14	1572	0.24208	0.75792	0.145	0.288	0.393	0.699	1.001	1.733	2.368	2.632	2.757	2.911
S15	2311	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S16	3204	0.51730	0.48270	0.158	0.298	0.418	0.786	1.169	2.072	2.863	3.174	3.337	3.547
S17	1188	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S18	1028	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S19.1	2669	0.16894	0.83106	0.141	0.286	0.386	0.676	0.957	1.643	2.236	2.488	2.603	2.742
S19.2	673	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S20	1914	0.95461	0.04539	0.180	0.313	0.458	0.924	1.435	2.611	3.649	4.034	4.258	4.557
S21	1774	0.53053	0.46947	0.159	0.299	0.419	0.790	1.177	2.089	2.886	3.200	3.365	3.578
S22	3743	0.15175	0.84825	0.140	0.285	0.385	0.671	0.946	1.622	2.205	2.454	2.567	2.703
S23	1584	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S24	1873	0.13705	0.86295	0.140	0.285	0.383	0.666	0.937	1.604	2.179	2.426	2.536	2.669
S25	2350	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S26	910	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S27	2031	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S28	223	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S29	1755	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S30	2016	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S31	1781	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S32	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
S33	1716	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S34	1692	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S35	1580	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S36	2280	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S37	1192	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S38	1304	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
S39	428	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352

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	S30	S30
													S31	S31				S31	S31	S31	S31		S31	S31	S31	S31
														S32	S32				S32	S32	S32		S32	S32	S32	S32
															S33	S33				S33	S33		S33	S33	S33	S33
																S34				S34	S34		S34	S34	S34	S34
																					S35	S35	S35	S35	S35	S35
																					S36	S36	S36	S36	S36	S36
																						S37	S37	S37	S37	S37
																							S38	S38	S38	S38
																								S39	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			20965.61	0.42939
119 Total		49495.7			23779.30	0.48043
126 Total		50405.8			23779.30	0.47176
127 Total		52660.0			23779.30	0.45156
132u Total		3796.8			0.00	0.00000
132c Total		4924.4			0.00	0.00000
133u Total		54415.3			23779.30	0.43700
133t Total		6640.5			0.00	0.00000
133c Total		61055.8			23779.30	0.38947
134u Total		62747.4			23779.30	0.37897
134t Total		3859.7			0.00	0.00000
134c Total		66607.1			23779.30	0.35701
137 Total		67799.2			23779.30	0.35073
138 Total		69102.9			23779.30	0.34411
139 Total		69530.7			23779.30	0.34200

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
101u	2134	0.95734	0.04266	7.442	4.562	3.432	2.736	2.323	2.065	1.806	1.530	1.495	1.304	1.173	1.010	0.787	0.357
101c	3975	0.96630	0.03370	7.467	4.574	3.440	2.741	2.327	2.069	1.809	1.532	1.498	1.307	1.177	1.014	0.790	0.359
103	6836	0.97354	0.02646	7.487	4.584	3.447	2.745	2.329	2.071	1.811	1.534	1.500	1.310	1.180	1.017	0.792	0.360
104	9226	0.93977	0.06023	7.394	4.538	3.417	2.726	2.316	2.060	1.800	1.526	1.488	1.297	1.166	1.004	0.781	0.354
106	12502	0.90178	0.09822	7.289	4.486	3.384	2.705	2.301	2.047	1.787	1.517	1.475	1.283	1.152	0.989	0.767	0.348
108	16599	0.81762	0.18238	7.057	4.372	3.310	2.658	2.267	2.018	1.759	1.498	1.444	1.251	1.119	0.957	0.738	0.333
113	23615	0.74946	0.25054	6.869	4.279	3.250	2.620	2.240	1.995	1.737	1.482	1.420	1.225	1.092	0.931	0.714	0.320
114	25186	0.71780	0.28220	6.781	4.236	3.222	2.602	2.227	1.984	1.726	1.475	1.408	1.213	1.079	0.919	0.703	0.315
115	31889	0.61889	0.38111	6.508	4.101	3.135	2.547	2.187	1.950	1.693	1.452	1.373	1.175	1.041	0.882	0.668	0.297
118u	32917	0.59957	0.40043	6.455	4.075	3.118	2.536	2.180	1.944	1.687	1.448	1.366	1.168	1.033	0.875	0.662	0.294
118t	13237	0.27139	0.72861	5.549	3.628	2.829	2.353	2.048	1.832	1.577	1.373	1.248	1.043	0.905	0.750	0.547	0.235
118c	48826	0.42939	0.57061	5.985	3.843	2.968	2.441	2.112	1.886	1.630	1.409	1.305	1.103	0.967	0.810	0.602	0.263
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	52660	0.45156	0.54844	6.046	3.873	2.987	2.453	2.121	1.894	1.637	1.414	1.313	1.111	0.975	0.818	0.610	0.267
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	54415	0.43700	0.56300	6.006	3.853	2.975	2.445	2.115	1.889	1.632	1.411	1.307	1.106	0.969	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	61056	0.38947	0.61053	5.875	3.789	2.933	2.419	2.096	1.872	1.617	1.400	1.290	1.088	0.951	0.795	0.588	0.256
134u	62747	0.37897	0.62103	5.846	3.774	2.924	2.413	2.091	1.869	1.613	1.397	1.286	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	66607	0.35701	0.64299	5.785	3.744	2.904	2.401	2.083	1.861	1.606	1.392	1.279	1.075	0.938	0.782	0.577	0.251
137	67799	0.35073	0.64927	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	69103	0.34411	0.65589	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	69531	0.34200	0.65800	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	52660	0.45156	0.54844	5.470	3.498	2.675	2.233	1.929	1.735	1.468	1.307	1.205	1.001	0.871	0.750	0.557	0.245
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	54415	0.43700	0.56300	5.436	3.482	2.666	2.226	1.924	1.731	1.465	1.303	1.200	0.997	0.867	0.745	0.552	0.242
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	61056	0.38947	0.61053	5.328	3.431	2.636	2.205	1.909	1.717	1.454	1.293	1.185	0.982	0.852	0.728	0.537	0.235
134u	62747	0.37897	0.62103	5.304	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	66607	0.35701	0.64299	5.254	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	67799	0.35073	0.64927	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	69103	0.34411	0.65589	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	69531	0.34200	0.65800	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	52660	0.45156	0.54844	4.947	3.222	2.455	2.027	1.766	1.548	1.349	1.196	1.072	0.904	0.794	0.664	0.492	0.217
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	54415	0.43700	0.56300	4.919	3.206	2.446	2.020	1.761	1.545	1.345	1.192	1.068	0.899	0.789	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	61056	0.38947	0.61053	4.828	3.154	2.415	2.000	1.745	1.533	1.333	1.180	1.055	0.886	0.775	0.646	0.475	0.208
134u	62747	0.37897	0.62103	4.808	3.142	2.408	1.996	1.741	1.531	1.330	1.178	1.052	0.883	0.772	0.642	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	66607	0.35701	0.64299	4.765	3.118	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	67799	0.35073	0.64927	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	69103	0.34411	0.65589	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	69531	0.34200	0.65800	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	52660	0.45156	0.54844	3.879	2.574	1.886	1.614	1.407	1.261	1.080	0.962	0.875	0.728	0.645	0.542	0.402	0.177
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	54415	0.43700	0.56300	3.854	2.561	1.881	1.609	1.403	1.259	1.077	0.959	0.872	0.725	0.641	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	61056	0.38947	0.61053	3.774	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	62747	0.37897	0.62103	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	66607	0.35701	0.64299	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	67799	0.35073	0.64927	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	69103	0.34411	0.65589	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	69531	0.34200	0.65800	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	52660	0.45156	0.54844	2.715	1.802	1.320	1.130	0.985	0.883	0.756	0.673	0.612	0.510	0.452	0.379	0.281	0.124
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	54415	0.43700	0.56300	2.698	1.792	1.316	1.127	0.982	0.881	0.754	0.671	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	61056	0.38947	0.61053	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	62747	0.37897	0.62103	2.630	1.755	1.301	1.113	0.972	0.874	0.746	0.663	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	66607	0.35701	0.64299	2.604	1.741	1.296	1.108	0.968	0.871	0.743	0.660	0.598	0.495	0.435	0.364	0.267	0.116
137	67799	0.35073	0.64927	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	69103	0.34411	0.65589	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	69531	0.34200	0.65800	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
118c	48826	0.42939	0.57061	1.848	1.233	0.941	0.772	0.666	0.590	0.509	0.452	0.410	0.346	0.302	0.253	0.186	0.082
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	52660	0.45156	0.54844	1.862	1.241	0.946	0.775	0.667	0.592	0.510	0.453	0.412	0.349	0.305	0.255	0.188	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	54415	0.43700	0.56300	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	61056	0.38947	0.61053	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	62747	0.37897	0.62103	1.819	1.213	0.930	0.765	0.661	0.587	0.505	0.448	0.405	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	66607	0.35701	0.64299	1.806	1.204	0.925	0.762	0.659	0.585	0.504	0.447	0.403	0.339	0.294	0.245	0.179	0.078
137	67799	0.35073	0.64927	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	69103	0.34411	0.65589	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	69531	0.34200	0.65800	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	9.511	10.813	11.425	12.006
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	52660	0.45156	0.54844	0.504	0.947	1.313	2.455	3.658	6.418	9.327	10.604	11.204	11.770
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	54415	0.43700	0.56300	0.501	0.944	1.307	2.438	3.628	6.356	9.235	10.498	11.093	11.652
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	61056	0.38947	0.61053	0.490	0.936	1.290	2.384	3.528	6.153	8.933	10.154	10.729	11.264
134u	62747	0.37897	0.62103	0.487	0.934	1.286	2.372	3.506	6.108	8.866	10.078	10.649	11.179
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	66607	0.35701	0.64299	0.482	0.931	1.279	2.347	3.460	6.014	8.727	9.918	10.481	11.000
137	67799	0.35073	0.64927	0.481	0.930	1.276	2.340	3.447	5.988	8.687	9.873	10.433	10.948
138	69103	0.34411	0.65589	0.479	0.928	1.274	2.332	3.433	5.959	8.645	9.825	10.382	10.895
139	69531	0.34200	0.65800	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	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	52660	0.45156	0.54844	0.456	0.868	1.205	2.250	3.342	5.877				
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	54415	0.43700	0.56300	0.453	0.866	1.200	2.234	3.313	5.820				
133t	6640	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120				
133c	61056	0.38947	0.61053	0.444	0.858	1.185	2.185	3.222	5.635				
134u	62747	0.37897	0.62103	0.442	0.857	1.181	2.174	3.201	5.594				
134t	3860	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120				
134c	66607	0.35701	0.64299	0.438	0.854	1.174	2.151	3.159	5.509				
137	67799	0.35073	0.64927	0.437	0.853	1.172	2.145	3.147	5.484				
138	69103	0.34411	0.65589	0.435	0.852	1.170	2.138	3.134	5.459				
139	69531	0.34200	0.65800	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	7.647	8.639	9.107	9.613
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	52660	0.45156	0.54844	0.412	0.774	1.072	1.992	2.954	5.202	7.501	8.476	8.934	9.426
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	54415	0.43700	0.56300	0.410	0.772	1.068	1.979	2.930	5.153	7.428	8.393	8.846	9.332
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	61056	0.38947	0.61053	0.402	0.767	1.055	1.937	2.850	4.993	7.189	8.124	8.561	9.024
134u	62747	0.37897	0.62103	0.401	0.765	1.052	1.927	2.833	4.957	7.136	8.065	8.498	8.956
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	66607	0.35701	0.64299	0.397	0.763	1.046	1.908	2.796	4.883	7.026	7.941	8.366	8.813
137	67799	0.35073	0.64927	0.396	0.762	1.045	1.902	2.786	4.862	6.994	7.905	8.328	8.773
138	69103	0.34411	0.65589	0.395	0.761	1.043	1.896	2.775	4.840	6.961	7.868	8.288	8.730
139	69531	0.34200	0.65800	0.395	0.761	1.042	1.894	2.771	4.833	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	49496	0.48043	0.51957	0.327	0.633	0.881	1.646	2.449	4.318	6.167	6.923	7.287	7.714
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	52660	0.45156	0.54844	0.323	0.631	0.875	1.626	2.411	4.240	6.051	6.795	7.150	7.565
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	54415	0.43700	0.56300	0.321	0.629	0.872	1.616	2.391	4.201	5.992	6.730	7.081	7.489
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	61056	0.38947	0.61053	0.315	0.625	0.862	1.583	2.328	4.074	5.802	6.519	6.856	7.244
134u	62747	0.37897	0.62103	0.313	0.624	0.860	1.575	2.314	4.046	5.760	6.473	6.806	7.189
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	66607	0.35701	0.64299	0.310	0.622	0.855	1.560	2.285	3.987	5.672	6.375	6.702	7.076
137	67799	0.35073	0.64927	0.309	0.622	0.854	1.556	2.276	3.970	5.646	6.347	6.672	7.043
138	69103	0.34411	0.65589	0.308	0.621	0.852	1.551	2.268	3.952	5.620	6.318	6.641	7.009
139	69531	0.34200	0.65800	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	49496	0.48043	0.51957	0.229	0.443	0.617	1.152	1.714	3.022	4.317	4.846	5.101	5.400
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	52660	0.45156	0.54844	0.226	0.441	0.612	1.138	1.687	2.968	4.236	4.756	5.005	5.295
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	54415	0.43700	0.56300	0.225	0.441	0.610	1.131	1.674	2.941	4.195	4.711	4.957	5.242
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	61056	0.38947	0.61053	0.220	0.438	0.603	1.108	1.630	2.852	4.061	4.563	4.799	5.070
134u	62747	0.37897	0.62103	0.219	0.437	0.602	1.103	1.620	2.832	4.032	4.531	4.764	5.032
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	66607	0.35701	0.64299	0.217	0.435	0.598	1.092	1.599	2.791	3.970	4.463	4.692	4.953
137	67799	0.35073	0.64927	0.216	0.435	0.598	1.089	1.594	2.779	3.953	4.443	4.671	4.930
138	69103	0.34411	0.65589	0.216	0.435	0.597	1.086	1.587	2.767	3.934	4.423	4.649	4.906
139	69531	0.34200	0.65800	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	49496	0.48043	0.51957	0.157	0.297	0.415	0.774	1.147	2.027	2.796	3.101	3.259	3.462
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	52660	0.45156	0.54844	0.155	0.296	0.412	0.765	1.129	1.991	2.744	3.044	3.198	3.395
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	54415	0.43700	0.56300	0.154	0.295	0.411	0.761	1.120	1.973	2.718	3.016	3.168	3.361
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	61056	0.38947	0.61053	0.152	0.294	0.406	0.746	1.091	1.915	2.633	2.922	3.068	3.252
134u	62747	0.37897	0.62103	0.152	0.293	0.405	0.742	1.085	1.902	2.614	2.901	3.045	3.227
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	66607	0.35701	0.64299	0.150	0.292	0.403	0.735	1.071	1.875	2.574	2.858	2.999	3.177
137	67799	0.35073	0.64927	0.150	0.292	0.403	0.733	1.068	1.867	2.563	2.846	2.986	3.162
138	69103	0.34411	0.65589	0.150	0.292	0.402	0.731	1.064	1.859	2.551	2.833	2.972	3.147
139	69531	0.34200	0.65800	0.150	0.292	0.402	0.731	1.062	1.856	2.547	2.829	2.968	3.142