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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
127	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
127	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
127	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127	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	689	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	927	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	2004	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	1063	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	848	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	1714	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	1706	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	1241	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
127								S15	S15		S15	S15	S15	S15				S15		S15	S15		S15	S15	S15	S15
								S16	S16		S16	S16	S16	S16				S16		S16	S16		S16	S16	S16	S16
								S17	S17		S17	S17	S17	S17				S17		S17	S17		S17	S17	S17	S17
								S18	S18		S18	S18	S18	S18				S18		S18	S18		S18	S18	S18	S18
									S19.1	S19	S19	S19	S19					S19		S19	S19		S19	S19	S19	S19
									S20	S20	S20	S20	S20					S20		S20	S20		S20	S20	S20	S20
									S21	S21	S21	S21	S21					S21		S21	S21		S21	S21	S21	S21
									S22	S22	S22	S22	S22					S22		S22	S22		S22	S22	S22	S22
									S23	S23	S23	S23	S23					S23		S23	S23		S23	S23	S23	S23
									S24	S24	S24	S24	S24					S24		S24	S24		S24	S24	S24	S24
									S25	S25	S25	S25	S25					S25		S25	S25		S25	S25	S25	S25
										S26	S26	S26	S26					S26		S26	S26		S26	S26	S26	S26
											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	S32
														S33	S33			S33	S33	S33		S33	S33	S33	S33	S33
															S34					S34			S34	S34	S34	S34
																						S35	S35	S35	S35	S35
																						S36	S36	S36	S36	S36
																							S37	S37	S37	
																								S38	S38	
																									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
127		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		49511.8			23779.30	0.48028
126 Total		50438.7			23779.30	0.47145
127 Total		53506.2			23779.30	0.44442
132u Total		3796.8			0.00	0.00000
132c Total		4924.4			0.00	0.00000
133u Total		54354.0			23779.30	0.43749
133t Total		6638.3			0.00	0.00000
133c Total		60992.2			23779.30	0.38987
134u Total		62697.9			23779.30	0.37927
134t Total		3859.7			0.00	0.00000
134c Total		66557.6			23779.30	0.35727
137 Total		67798.4			23779.30	0.35074
138 Total		69102.0			23779.30	0.34412
139	S1	2134.1	0.95734	0.04266	2043.06	
139	S2	1841.1	0.97669	0.02331	1798.18	
139	S3	2861.2	0.98360	0.01640	2814.27	
139	S4	1471.6	0.84026	0.15974	1236.53	
139	S5	918.2	0.84779	0.15221	778.45	
139	S6	1311.8	0.60328	0.39672	791.39	
139	S7	1964.5	0.92267	0.07733	1812.58	
139	S8	2269.3	0.44815	0.55185	1016.99	
139	S9	1827.5	0.70069	0.29931	1280.51	
139	S10	933.9	0.05226	0.94774	48.80	
139	S11	1486.7	0.99977	0.00023	1486.35	
139	S12	2370.5	0.84578	0.15422	2004.93	
139	S13	2224.3	0.26353	0.73647	586.17	
139	S14	1571.6	0.24208	0.75792	380.46	
139	S15	2311.0	0.00000	1.00000	0.00	
139	S16	3203.7	0.51730	0.48270	1657.28	
139	S17	1188.0	0.00000	1.00000	0.00	
139	S18	1027.6	0.00000	1.00000	0.00	
139	S19.1	2669.2	0.16894	0.83106	450.93	
139	S19.2	688.9	0.00000	1.00000	0.00	
139	S20	1913.7	0.95461	0.04539	1826.83	
139	S21	1773.5	0.53053	0.46947	940.89	
139	S22	3743.4	0.15175	0.84825	568.05	
139	S23	1583.8	0.00000	1.00000	0.00	
139	S24	1872.7	0.13705	0.86295	256.65	
139	S25	2350.0	0.00000	1.00000	0.00	
139	S26	926.9	0.00000	1.00000	0.00	
139	S27	2004.1	0.00000	1.00000	0.00	
139	S28	1063.4	0.00000	1.00000	0.00	
139	S29	847.8	0.00000	1.00000	0.00	
139	S30	2016.1	0.00000	1.00000	0.00	
139	S31	1780.7	0.00000	1.00000	0.00	
139	S32	1127.6	0.00000	1.00000	0.00	
139	S33	1713.9	0.00000	1.00000	0.00	
139	S34	1705.7	0.00000	1.00000	0.00	
139	S35	1579.8	0.00000	1.00000	0.00	
139	S36	2279.9	0.00000	1.00000	0.00	
139	S37	1240.8	0.00000	1.00000	0.00	
139	S38	1303.7	0.00000	1.00000	0.00	
139	S39	427.8	0.00000	1.00000	0.00	
139 Total		69529.8			23779.30	0.34200

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

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
119	49512	0.48028	0.51972	7.74	5.12	3.89	3.19	2.78	2.42	2.11	1.88	1.69	1.44	1.26	1.05	0.79	0.35
126	50439	0.47145	0.52855	7.71	5.10	3.88	3.18	2.77	2.42	2.11	1.88	1.68	1.43	1.25	1.05	0.78	0.35
127	53506	0.44442	0.55558	7.63	5.04	3.84	3.16	2.75	2.40	2.09	1.87	1.67	1.42	1.24	1.04	0.77	0.34
132u	3797	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
132t	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
132c	4924	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
133u	54354	0.43749	0.56251	7.60	5.03	3.84	3.15	2.75	2.40	2.09	1.86	1.66	1.41	1.23	1.03	0.77	0.34
133t	6638	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
133c	60992	0.38987	0.61013	7.46	4.94	3.78	3.11	2.72	2.37	2.07	1.84	1.64	1.39	1.21	1.01	0.74	0.33
134u	62698	0.37927	0.62073	7.42	4.91	3.76	3.10	2.71	2.37	2.06	1.83	1.64	1.38	1.20	1.00	0.74	0.32
134t	3860	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
134c	66558	0.35727	0.64273	7.35	4.87	3.74	3.09	2.70	2.36	2.05	1.82	1.63	1.37	1.19	0.99	0.73	0.32
137	67798	0.35074	0.64926	7.33	4.86	3.73	3.08	2.69	2.36	2.05	1.82	1.62	1.37	1.19	0.99	0.73	0.32
138	69102	0.34412	0.65588	7.31	4.84	3.72	3.08	2.69	2.35	2.04	1.82	1.62	1.36	1.18	0.99	0.72	0.32
139	69530	0.34200	0.65800	7.31	4.84	3.72	3.07	2.69	2.35	2.04	1.82	1.62	1.36	1.18	0.98	0.72	0.31

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

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	10 min	15 min	20 min	25 min	30 min	40 min	50 min	60 min	90 min	120 min	180 min	360 min	1440 min
119	49512	0.48028	0.51972	6.126	3.912	3.013	2.469	2.132	1.903	1.647	1.421	1.323	1.122	0.986	0.829	0.620	0.273
126	50439	0.47145	0.52855	6.101	3.900	3.005	2.465	2.128	1.900	1.644	1.419	1.320	1.119	0.983	0.826	0.617	0.271
127	53506	0.44442	0.55558	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	54354	0.43749	0.56251	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	6638	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	60992	0.38987	0.61013	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	62698	0.37927	0.62073	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	66558	0.35727	0.64273	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	67798	0.35074	0.64926	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	69102	0.34412	0.65588	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	69530	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	49512	0.48028	0.51972	5.535	3.529	2.693	2.246	1.938	1.744	1.475	1.313	1.214	1.010	0.880	0.760	0.566	0.250
126	50439	0.47145	0.52855	5.515	3.520	2.687	2.242	1.935	1.741	1.473	1.311	1.211	1.007	0.877	0.757	0.563	0.248
127	53506	0.44442	0.55558	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	54354	0.43749	0.56251	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	6638	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	60992	0.38987	0.61013	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	62698	0.37927	0.62073	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	66558	0.35727	0.64273	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	67798	0.35074	0.64926	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	69102	0.34412	0.65588	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	69530	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	49512	0.48028	0.51972	5.002	3.253	2.474	2.039	1.775	1.555	1.356	1.203	1.080	0.912	0.803	0.672	0.500	0.221
126	50439	0.47145	0.52855	4.985	3.243	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	53506	0.44442	0.55558	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	54354	0.43749	0.56251	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	6638	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	60992	0.38987	0.61013	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	62698	0.37927	0.62073	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	66558	0.35727	0.64273	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	0.204
137	67798	0.35074	0.64926	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	69102	0.34412	0.65588	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	69530	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	49512	0.48028	0.51972	3.927	2.601	1.897	1.624	1.414	1.266	1.086	0.968	0.881	0.734	0.652	0.549	0.408	0.180
126	50439	0.47145	0.52855	3.912	2.592	1.893	1.621	1.412	1.265	1.084	0.966	0.879	0.732	0.650	0.547	0.406	0.179
127	53506	0.44442	0.55558	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	54354	0.43749	0.56251	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	6638	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	60992	0.38987	0.61013	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	62698	0.37927	0.62073	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	66558	0.35727	0.64273	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	67798	0.35074	0.64926	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	69102	0.34412	0.65588	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	69530	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	49512	0.48028	0.51972	2.749	1.820	1.328	1.137	0.990	0.887	0.760	0.677	0.617	0.514	0.456	0.384	0.286	0.126
126	50439	0.47145	0.52855	2.738	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	53506	0.44442	0.55558	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	54354	0.43749	0.56251	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	6638	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	60992	0.38987	0.61013	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	62698	0.37927	0.62073	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	66558	0.35727	0.64273	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	67798	0.35074	0.64926	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	69102	0.34412	0.65588	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	69530	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
119	49512	0.48028	0.51972	1.878	1.253	0.953	0.778	0.670	0.594	0.512	0.455	0.415	0.352	0.308	0.258	0.191	0.084
126	50439	0.47145	0.52855	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	53506	0.44442	0.55558	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	54354	0.43749	0.56251	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	6638	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	60992	0.38987	0.61013	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	62698	0.37927	0.62073	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	66558	0.35727	0.64273	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	67798	0.35074	0.64926	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	69102	0.34412	0.65588	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	69530	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	49512	0.48028	0.51972	0.510	0.952	1.323	2.488	3.719	6.541	9.510	10.812	11.424	12.004
126	50439	0.47145	0.52855	0.508	0.950	1.320	2.477	3.700	6.503	9.454	10.748	11.357	11.932
127	53506	0.44442	0.55558	0.502	0.946	1.310	2.447	3.643	6.388	9.282	10.552	11.150	11.712
132u	3797	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
132t	1128	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
132c	4924	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
133u	54354	0.43749	0.56251	0.501	0.944	1.307	2.439	3.629	6.358	9.238	10.502	11.097	11.656
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	60992	0.38987	0.61013	0.490	0.936	1.290	2.384	3.529	6.155	8.936	10.157	10.733	11.267
134u	62698	0.37927	0.62073	0.487	0.934	1.287	2.372	3.506	6.109	8.868	10.080	10.651	11.181
134t	3860	0.00000	1.00000	0.400	0.870	1.150	1.940	2.710	4.490	6.460	7.330	7.750	8.090
134c	66558	0.35727	0.64273	0.482	0.931	1.279	2.347	3.460	6.016	8.729	9.920	10.483	11.002
137	67798	0.35074	0.64926	0.481	0.930	1.276	2.340	3.447	5.988	8.687	9.873	10.433	10.948
138	69102	0.34412	0.65588	0.479	0.929	1.274	2.332	3.433	5.959	8.645	9.825	10.383	10.895
139	69530	0.34200	0.65800	0.479	0.928	1.273	2.330	3.428	5.950	8.632	9.810	10.366	10.877

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

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
119	49512	0.48028	0.51972	0.461	0.872	1.214	2.279	3.397	5.988	9.510	10.812	11.424	12.004
126	50439	0.47145	0.52855	0.460	0.871	1.211	2.270	3.380	5.954	9.454	10.748	11.357	11.932
127	53506	0.44442	0.55558	0.454	0.867	1.202	2.242	3.328	5.849	9.282	10.552	11.150	11.712
132u	3797	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	6.460	7.330	7.750	8.090
132t	1128	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	6.460	7.330	7.750	8.090
132c	4924	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	6.460	7.330	7.750	8.090
133u	54354	0.43749	0.56251	0.453	0.866	1.200	2.235	3.314	5.822	9.238	10.502	11.097	11.656
133t	6638	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	6.460	7.330	7.750	8.090
133c	60992	0.38987	0.61013	0.444	0.858	1.185	2.185	3.222	5.637	8.936	10.157	10.733	11.267
134u	62698	0.37927	0.62073	0.442	0.857	1.181	2.174	3.202	5.595	8.868	10.080	10.651	11.181
134t	3860	0.00000	1.00000	0.370	0.800	1.060	1.780	2.470	4.120	6.460	7.330	7.750	8.090
134c	66558	0.35727	0.64273	0.438	0.854	1.174	2.152	3.160	5.510	8.729	9.920	10.483	11.002
137	67798	0.35074	0.64926	0.437	0.853	1.172	2.145	3.147	5.484	8.687	9.873	10.433	10.948
138	69102	0.34412	0.65588	0.435	0.852	1.170	2.138	3.134	5.459	8.645	9.825	10.383	10.895
139	69530	0.34200	0.65800	0.435	0.851	1.169	2.136	3.130	5.450	8.632	9.810	10.366	10.877

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

Node	Area (ac)	Mtn. Ratio	Non-Mtn. Ratio	5 min	30 min	60 min	3 hr	6 hr	24 hr	2 Day	3 Day	4 Day	5 Day
119	49512	0.48028	0.51972	0.417	0.778	1.080	2.017	3.002	5.299	7.646	8.638	9.106	9.612
126	50439	0.47145	0.52855	0.415	0.777	1.077	2.010	2.987	5.269	7.601	8.588	9.053	9.555
127	53506	0.44442	0.55558	0.411	0.773	1.070	1.986	2.942	5.178	7.465	8.435	8.891	9.380
132u	3797	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
132t	1128	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
132c	4924	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
133u	54354	0.43749	0.56251	0.410	0.772	1.068	1.979	2.931	5.154	7.431	8.396	8.849	9.335
133t	6638	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	60992	0.38987	0.61013	0.402	0.767	1.055	1.937	2.851	4.994	7.191	8.127	8.563	9.026
134u	62698	0.37927	0.62073	0.401	0.766	1.052	1.928	2.833	4.958	7.138	8.067	8.499	8.958
134t	3860	0.00000	1.00000	0.340	0.720	0.950	1.590	2.200	3.680	5.230	5.920	6.220	6.500
134c	66558	0.35727	0.64273	0.397	0.763	1.046	1.908	2.797	4.884	7.027	7.942	8.367	8.815
137	67798	0.35074	0.64926	0.396	0.762	1.045	1.902	2.786	4.862	6.994	7.905	8.328	8.773
138	69102	0.34412	0.65588	0.395	0.761	1.043	1.896	2.775	4.840	6.961	7.868	8.288	8.730
139	69530	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	49512	0.48028	0.51972	0.327	0.633	0.881	1.646	2.449	4.317	6.166	6.922	7.287	7.713
126	50439	0.47145	0.52855	0.326	0.632	0.879	1.640	2.437	4.293	6.131	6.883	7.245	7.667
127	53506	0.44442	0.55558	0.322	0.630	0.873	1.621	2.401	4.221	6.022	6.763	7.117	7.528
132u	3797	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
132t	1128	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
132c	4924	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
133u	54354	0.43749	0.56251	0.321	0.629	0.872	1.616	2.392	4.202	5.994	6.732	7.084	7.492
133t	6638	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	60992	0.38987	0.61013	0.315	0.625	0.862	1.583	2.329	4.075	5.803	6.521	6.858	7.246
134u	62698	0.37927	0.62073	0.313	0.624	0.860	1.575	2.314	4.046	5.761	6.474	6.808	7.191
134t	3860	0.00000	1.00000	0.260	0.590	0.780	1.310	1.810	3.030	4.240	4.790	5.010	5.230
134c	66558	0.35727	0.64273	0.310	0.622	0.855	1.560	2.285	3.987	5.673	6.376	6.703	7.077
137	67798	0.35074	0.64926	0.309	0.622	0.854	1.556	2.276	3.970	5.646	6.347	6.672	7.043
138	69102	0.34412	0.65588	0.308	0.621	0.852	1.551	2.268	3.952	5.620	6.318	6.641	7.009
139	69530	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	49512	0.48028	0.51972	0.229	0.443	0.617	1.152	1.714	3.022	4.316	4.846	5.101	5.399
126	50439	0.47145	0.52855	0.228	0.443	0.615	1.148	1.706	3.005	4.291	4.818	5.071	5.367
127	53506	0.44442	0.55558	0.226	0.441	0.611	1.135	1.681	2.955	4.215	4.734	4.982	5.269
132u	3797	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
132t	1128	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
132c	4924	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
133u	54354	0.43749	0.56251	0.225	0.441	0.610	1.131	1.674	2.942	4.196	4.713	4.959	5.244
133t	6638	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	60992	0.38987	0.61013		0.438	0.603	1.108	1.630	2.852	4.062	4.565	4.801	5.072
134u	62698	0.37927	0.62073	0.219	0.437	0.602	1.103	1.620	2.833	4.033	4.532	4.765	5.034
134t	3860	0.00000	1.00000	0.182	0.413	0.546	0.917	1.267	2.121	2.968	3.353	3.507	3.661
134c	66558	0.35727	0.64273	0.217	0.436	0.599	1.092	1.600	2.791	3.971	4.463	4.692	4.954
137	67798	0.35074	0.64926	0.216	0.435	0.598	1.089	1.594	2.779	3.953	4.443	4.671	4.930
138	69102	0.34412	0.65588	0.216	0.435	0.597	1.086	1.587	2.767	3.934	4.423	4.649	4.906
139	69530	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	49512	0.48028	0.51972	0.157	0.297	0.415	0.774	1.146	2.027	2.796	3.101	3.259	3.461
126	50439	0.47145	0.52855	0.156	0.297	0.414	0.772	1.141	2.016	2.780	3.083	3.240	3.441
127	53506	0.44442	0.55558	0.155	0.296	0.411	0.763	1.125	1.983	2.732	3.030	3.183	3.379
132u	3797	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
132t	1128	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
132c	4924	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
133u	54354	0.43749	0.56251	0.154	0.295	0.411	0.761	1.120	1.974	2.719	3.017	3.169	3.363
133t	6638	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	60992	0.38987	0.61013		0.294	0.406	0.746	1.091	1.915	2.633	2.923	3.068	3.253
134u	62698	0.37927	0.62073	0.152	0.293	0.406	0.742	1.085	1.902	2.614	2.902	3.046	3.228
134t	3860	0.00000	1.00000	0.133	0.280	0.371	0.623	0.854	1.435	1.932	2.156	2.247	2.352
134c	66558	0.35727	0.64273	0.151	0.293	0.404	0.736	1.072	1.875	2.575	2.859	3.000	3.177
137	67798	0.35074	0.64926	0.150	0.292	0.403	0.733	1.068	1.867	2.563	2.846	2.986	3.162
138	69102	0.34412	0.65588	0.150	0.292	0.402	0.731	1.064	1.859	2.551	2.833	2.972	3.147
139	69530	0.34200	0.65800	0.150	0.292	0.402	0.731	1.062	1.856	2.547	2.829	2.968	3.142