

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
101	16.50	14.48	14.97	15.26	15.62	16.04	16.25
103	16.50	14.07	14.51	14.79	15.08	15.44	15.72
105	16.50	14.05	14.49	14.77	15.05	15.39	15.66
107	16.50	13.99	14.42	14.69	14.97	15.29	15.59
109	16.10	13.90	14.29	14.52	14.74	15.04	15.34
111	15.80	10.53	11.70	12.87	14.64	15.80	15.81
111.2	12.90	9.56	10.24	10.75	11.56	12.44	12.81
113	17.00	13.74	14.19	14.47	14.74	15.01	15.32
115	17.00	13.63	14.19	14.48	14.75	15.00	15.31
117	16.10	13.13	13.62	13.92	14.21	14.49	14.77
119	16.10	13.13	13.62	13.91	14.21	14.48	14.76
121	16.70	13.66	14.30	14.65	14.98	15.29	15.60
123	19.80	19.36	19.77	19.80	19.81	19.82	19.83
125	19.50	18.17	18.95	19.11	19.12	19.12	19.14
127	19.50	17.83	18.08	18.12	18.12	18.13	18.14
129	17.80	17.67	17.80	17.81	17.81	17.82	17.84
131	17.80	17.63	17.75	17.75	17.75	17.76	17.78
133	18.50	16.61	16.95	17.14	17.34	17.54	17.77
135	18.45	16.58	16.91	17.09	17.27	17.45	17.63
137	17.80	16.46	16.77	16.95	17.13	17.31	17.49
139	17.60	15.81	16.14	16.32	16.51	16.72	16.96
141	16.90	15.91	16.55	16.84	16.92	16.94	16.98
141.2	16.60	15.89	16.46	16.62	16.65	16.68	16.71
143	17.30	14.94	15.50	15.79	16.07	16.33	16.57
145	16.35	13.64	14.09	14.34	14.60	14.86	15.13
147	16.80	14.80	15.34	15.65	15.94	16.21	16.47
149	18.50	18.51	18.54	18.55	18.58	18.63	18.70
151	15.90	13.55	13.97	14.20	14.45	14.70	14.97
153	17.60	13.38	13.80	14.03	14.28	14.54	14.82
155	17.60	13.35	13.76	13.99	14.23	14.48	14.75
157	15.80	12.93	13.38	13.64	13.92	14.19	14.49
159	16.00	14.76	15.66	15.87	15.97	16.01	16.02
159.2	16.00	14.71	15.64	15.84	15.91	15.95	15.97
161	15.20	12.19	12.65	12.97	13.30	13.64	13.96
163	16.00	11.02	11.70	12.11	12.50	12.90	13.28
165	17.50	15.89	17.46	17.50	17.51	17.51	17.52
165.2	15.40	15.07	15.40	15.45	15.48	15.52	15.55
165.3	16.00	14.38	15.39	15.50	15.56	15.60	15.62
165.4	16.00	14.33	15.37	15.48	15.55	15.58	15.61

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
165.5	16.00	13.50	13.92	13.96	13.99	14.00	14.04
165.6	16.00	12.86	13.61	13.67	13.70	13.73	13.82
165.7	16.00	12.32	12.55	12.57	12.58	12.72	12.90
165.8	16.00	11.07	11.65	11.92	12.18	12.43	12.69
167	15.30	9.88	10.47	10.75	11.03	11.27	11.54
167.2	15.00	9.13	9.55	9.77	10.04	10.45	10.95
167.3	14.00	7.86	8.69	9.19	9.70	10.21	10.80
169	15.00	11.71	12.30	12.62	12.93	13.21	13.48
171	14.00	9.96	10.76	11.22	11.65	12.08	12.47
171.2	14.00	9.21	9.97	10.43	10.88	11.33	11.73
173	14.00	11.44	12.06	12.39	12.71	13.00	13.29
175	13.80	8.02	8.95	9.48	9.99	10.48	10.91
177	13.80	7.99	8.92	9.45	9.95	10.43	10.87
177.2	11.00	7.60	8.51	9.03	9.54	10.03	10.47
179	11.99	7.48	8.37	8.89	9.40	9.89	10.34
181	11.99	6.98	7.84	8.32	8.77	9.20	9.60
183.3	16.00	14.06	14.51	14.77	15.00	15.23	15.44
183.4	15.50	11.84	12.41	12.75	13.08	13.47	13.83
185	17.80	12.53	13.64	14.37	15.12	15.93	16.78
189	16.80	12.15	12.90	13.43	14.00	14.63	15.24
191	16.80	12.15	12.90	13.44	14.01	14.64	15.26
193	16.80	12.15	12.91	13.44	14.02	14.65	15.27
195	16.80	12.15	12.91	13.44	14.02	14.65	15.26
199	14.80	13.21	13.69	14.00	14.35	14.65	14.80
201	19.00	18.32	19.00	19.01	19.02	19.04	19.05
201.3	19.00	17.03	18.82	18.86	18.84	18.85	18.86
201.4	19.83	16.96	18.45	18.56	18.47	18.50	18.52
201.5	18.33	16.93	18.33	18.34	18.35	18.35	18.36
201.6	19.63	16.89	18.39	18.89	19.63	19.63	19.64
203	16.80	12.14	12.87	13.37	13.92	14.52	15.10
205	16.80	12.12	12.80	13.24	13.74	14.28	14.82
207	18.00	14.11	14.57	14.89	15.25	15.66	16.12
209	15.98	14.02	14.46	14.71	14.96	15.33	15.75
211	16.73	13.42	13.77	14.09	14.38	14.47	14.62
213	16.73	13.33	13.71	14.05	14.35	14.42	14.56
215	15.20	12.98	13.58	13.95	14.26	14.29	14.33
217	14.10	12.73	13.38	13.75	14.08	14.10	14.11
219	15.00	12.80	13.50	13.90	14.21	14.24	14.27
221	14.50	12.76	13.45	13.82	14.14	14.16	14.16

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
223	15.00	12.71	13.37	13.73	14.02	14.04	14.06
225	14.00	12.71	13.36	13.72	14.01	14.03	14.05
227	14.00	12.69	13.34	13.71	14.00	14.01	14.03
229	14.00	12.68	13.31	13.66	13.96	14.00	14.01
231	14.00	12.66	13.28	13.63	13.95	14.00	14.01
233	15.00	12.64	13.26	13.60	13.93	14.06	14.08
235	16.00	11.29	11.85	12.15	12.41	12.67	12.76
237	16.00	10.49	10.94	11.24	11.46	11.53	11.59
239	13.90	9.28	9.85	10.18	10.46	10.65	10.80
241	12.80	8.14	8.53	8.86	9.21	9.50	9.81
243.5	18.00	15.09	18.00	18.01	18.02	18.03	18.05
245	19.40	13.82	15.16	16.23	17.42	18.74	19.40
247	19.15	14.83	15.31	15.67	16.45	17.70	18.89
249	18.00	14.79	15.22	15.50	15.85	16.67	17.60
251	16.00	13.77	14.60	15.16	15.77	16.07	16.18
253	16.00	12.73	13.16	13.31	13.42	13.48	13.63
255	15.93	11.74	12.32	12.61	12.87	13.10	13.32
257	15.93	11.71	12.30	12.59	12.86	13.09	13.31
259	16.30	13.66	16.30	16.31	16.31	16.32	16.33
261	16.40	11.49	12.13	12.41	12.68	12.93	13.16
263	19.05	16.46	17.64	18.03	18.60	18.73	18.82
263.2	17.00	16.64	17.02	17.04	17.05	17.07	17.11
263.3	18.00	17.44	18.01	18.01	18.02	18.03	18.04
263.4	17.50	16.67	17.05	17.07	17.11	17.14	17.17
263.5	18.01	16.13	17.01	17.22	17.56	17.65	17.71
263.6	18.00	17.41	18.00	18.00	18.01	18.02	18.02
263.7	18.00	17.54	18.01	18.01	18.02	18.03	18.05
263.8	18.00	17.27	18.00	18.00	18.00	18.00	18.00
263.9	18.00	18.01	18.03	18.04	18.06	18.07	18.09
265	15.16	11.37	12.03	12.31	12.57	12.82	13.05
267	15.02	11.27	11.93	12.18	12.42	12.64	12.84
269	15.00	11.20	11.85	12.10	12.33	12.54	12.74
271	13.80	10.52	11.16	11.39	11.60	11.79	11.98
273	14.10	10.03	10.58	10.80	10.98	11.14	11.30
275	13.80	6.78	7.68	8.19	8.66	9.09	9.51
277	17.30	14.90	15.54	15.93	16.35	16.75	17.15
279	11.98	6.54	7.38	7.88	8.35	8.77	9.17
281	11.91	6.31	7.19	7.71	8.20	8.63	9.04
283	10.00	5.62	6.70	7.30	7.86	8.35	8.81

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
285	10.00	5.07	6.24	6.88	7.47	7.99	8.47
287	10.00	5.00	6.19	6.83	7.43	7.96	8.44
289	10.13	5.94	7.01	7.57	8.24	8.92	9.61
291	10.00	4.88	6.06	6.71	7.31	7.84	8.31
293	10.13	4.95	6.18	6.90	7.50	8.06	8.55
295	16.96	14.78	15.41	16.01	16.27	16.35	16.43
297	16.60	15.10	15.73	16.28	16.62	16.66	16.71
299	17.06	13.29	15.33	16.26	16.52	16.75	16.93
301	15.95	13.09	15.08	15.95	15.96	15.98	16.00
303	15.50	11.96	13.54	14.72	15.49	15.51	15.52
305	16.00	10.64	11.06	11.34	11.64	11.94	12.25
307	16.00	10.60	10.93	11.13	11.33	11.54	11.76
311	18.00	16.28	16.70	16.79	17.00	17.01	17.01
311.2	17.00	16.21	16.68	16.78	17.00	17.00	17.00
313	16.64	14.76	15.38	15.99	16.25	16.32	16.39
313.2	15.50	14.42	14.88	15.32	15.50	15.51	15.52
313.3	15.50	14.14	14.71	15.20	15.42	15.47	15.50
313.4	15.50	13.73	14.22	14.57	14.82	14.99	15.33
315	16.57	14.85	15.66	16.37	16.57	16.58	16.59
317	16.00	12.14	15.42	16.00	16.01	16.02	16.04
319	15.25	10.17	10.64	10.83	10.98	11.08	11.17
321	15.25	10.15	10.63	10.82	10.97	11.06	11.16
323	13.00	9.89	10.37	10.58	10.75	10.86	10.96
325	13.00	9.69	10.19	10.41	10.60	10.73	10.83
327	13.00	9.65	10.12	10.33	10.50	10.62	10.72
329	13.30	9.09	9.55	9.76	9.92	10.05	10.16
331	13.30	8.96	9.41	9.61	9.77	9.89	9.98
333	10.00	4.85	6.03	6.68	7.28	7.81	8.28
335	15.00	12.18	13.53	14.82	15.00	15.01	15.02
335.2	14.36	10.72	11.19	11.50	11.54	11.54	11.54
335.3	12.40	9.86	10.20	10.40	10.43	10.43	10.43
335.4	10.47	8.72	9.18	9.56	9.63	9.62	9.62
335.6	10.05	8.60	8.97	9.16	9.20	9.20	9.19
339	10.00	4.81	5.99	6.63	7.23	7.77	8.23
343	8.00	4.67	5.82	6.46	7.05	7.58	8.04
345	10.00	4.64	5.79	6.42	7.01	7.54	8.01
347	12.00	6.37	6.69	6.87	7.05	7.39	7.85
349	9.00	4.50	5.63	6.26	6.84	7.38	7.84
351	8.00	4.42	5.53	6.16	6.74	7.28	7.74

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

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Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
353	8.00	4.36	5.46	6.08	6.66	7.20	7.66
355	16.00	11.70	11.93	12.04	12.18	12.30	12.48
357	14.00	11.15	11.73	12.14	12.79	14.00	14.01
359	14.63	10.14	10.69	11.05	11.47	12.31	12.57
361	16.00	12.10	12.46	12.65	12.83	12.99	13.14
363	10.00	6.50	6.81	6.97	7.12	7.25	7.61
365	16.00	13.50	14.56	15.18	15.84	16.01	16.02
367	14.00	12.26	12.80	13.35	13.96	14.01	14.03
369	15.00	12.23	12.73	13.24	13.83	14.13	14.38
371	8.00	4.32	5.42	6.03	6.61	7.15	7.60
373	8.00	4.07	5.12	5.73	6.30	6.84	7.26
375	8.00	4.01	5.05	5.66	6.23	6.76	7.17
377	8.00	4.00	5.04	5.65	6.22	6.75	7.16
379	16.00	12.29	12.91	13.51	14.14	14.21	14.22
397	20.25	14.59	15.30	15.73	16.19	16.65	17.09
397.2	21.83	14.59	15.30	15.73	16.18	16.65	17.09
397.3	20.31	14.59	15.30	15.73	16.18	16.90	17.58
399	20.85	14.85	15.69	16.34	17.18	18.08	18.97
399.2	20.70	14.59	15.40	16.08	16.86	17.72	18.56
399.3	20.13	14.59	15.30	15.73	16.48	17.32	18.08
399.4	22.32	14.59	15.30	15.73	16.43	17.27	18.08
401	19.13	14.57	15.26	15.67	16.12	16.58	17.03
403	20.00	14.59	15.30	15.73	16.18	16.64	17.44
403.2	20.90	14.59	15.30	15.73	16.18	16.63	17.40
403.3	22.00	14.59	15.30	15.73	16.18	16.63	17.24
405	19.13	15.10	15.86	16.31	16.74	17.17	17.59
407	20.13	15.16	15.90	16.35	16.78	17.19	17.62
409	22.13	15.30	16.04	16.88	17.85	18.93	20.14
411	22.13	14.91	15.41	15.81	16.30	16.85	17.42
413	21.13	16.34	17.72	18.46	19.16	19.77	20.17
415	21.13	16.37	17.70	18.44	19.14	19.77	20.17
417	21.13	16.41	17.69	18.38	19.01	19.74	20.18
419	21.13	16.43	17.66	18.34	18.98	19.73	20.18
421	21.13	16.43	17.67	18.34	18.98	19.74	20.18
423	22.13	14.59	15.30	15.72	16.16	16.61	17.05
425	18.00	15.56	16.22	16.59	16.94	17.26	17.57
427	21.20	16.75	17.60	18.27	18.95	19.75	20.18
429	19.13	14.59	15.30	15.73	16.17	16.63	17.07
431	21.13	16.43	17.56	18.24	18.92	19.73	20.17

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

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Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
433	19.13	14.60	15.31	15.77	16.28	16.73	17.18
435	19.13	14.61	15.45	16.00	16.52	16.99	17.57
437	21.13	16.14	17.29	18.04	18.80	19.66	20.12
439	20.13	14.80	15.68	16.26	16.78	17.35	18.02
441	19.13	15.15	15.76	16.20	16.58	16.87	17.14
443	20.13	15.11	15.71	16.14	16.51	16.80	17.08
445	19.13	15.17	15.73	16.16	16.57	16.94	17.27
447	20.00	15.88	16.29	16.52	16.74	16.95	17.19
449	21.13	14.92	15.47	15.84	16.21	16.55	16.88
451	20.00	16.84	17.26	17.53	17.79	18.08	18.43
453	19.13	15.40	16.41	17.05	17.71	18.36	19.03
455	21.13	14.51	15.19	15.58	15.95	16.30	16.64
457	20.00	17.05	17.69	18.05	18.40	18.75	18.92
459	18.80	16.16	16.95	17.46	18.01	18.44	18.64
461	18.80	16.15	16.93	17.45	17.99	18.38	18.58
463	20.00	16.06	16.87	17.42	17.97	18.34	18.54
465	18.00	15.51	16.57	17.22	17.83	18.04	18.13
467	18.00	15.21	15.79	16.04	16.27	16.38	16.46
469	20.13	13.01	13.67	14.13	14.58	15.00	15.40
471	18.90	17.14	17.77	18.14	18.50	18.85	18.92
473	19.00	17.25	17.85	18.20	18.55	18.90	19.00
475	20.25	15.23	16.01	16.49	17.00	17.48	17.96
477	19.00	18.03	18.61	18.96	19.02	19.05	19.09
479	20.50	17.95	18.51	18.85	19.08	19.26	19.45
481	20.00	16.92	17.58	18.02	18.30	18.35	18.38
483	20.00	16.89	17.52	17.89	18.08	18.06	18.04
485	18.80	17.70	17.83	18.03	18.34	18.59	18.69
487	20.00	16.39	17.04	17.41	17.75	18.07	18.38
489	20.00	16.37	17.01	17.37	17.71	18.04	18.36
491	20.00	16.69	17.15	17.41	17.71	18.02	18.33
493	20.00	15.10	15.37	15.50	15.63	15.74	15.87
495	21.13	16.31	17.73	18.49	19.21	19.78	20.17
497	19.30	14.49	14.89	15.10	15.28	15.44	15.60
499	20.13	16.24	17.99	19.15	20.13	20.16	20.21
501	19.63	14.63	15.38	15.82	16.30	16.79	17.29
501.2	19.63	14.63	15.38	15.82	16.30	16.79	17.29
503	19.63	14.63	15.38	15.82	16.30	16.79	17.29
505	19.63	14.63	15.37	15.81	16.28	16.77	17.25
505.3	18.81	14.74	15.71	16.29	16.81	17.30	17.76

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
507	18.63	14.75	15.71	16.30	16.81	17.30	17.76
509	21.13	15.25	15.73	16.30	16.81	17.29	17.74
511	20.13	18.71	19.93	20.13	20.14	20.15	20.16
513	19.80	18.69	19.80	19.82	19.85	19.89	19.93
515	20.13	18.69	19.80	19.86	19.88	19.97	20.01
517	20.00	18.68	19.82	19.88	19.91	19.92	19.94
519	20.00	18.50	19.39	19.74	19.99	20.00	20.02
521	20.00	18.49	19.38	19.73	19.96	20.01	20.02
523	19.13	14.68	15.38	15.82	16.26	16.72	17.16
525	19.50	14.63	15.38	15.82	16.30	16.79	17.29
527	21.13	16.03	16.56	16.86	17.10	17.26	17.55
529	19.15	15.23	15.99	16.35	16.63	16.85	17.26
531	20.13	14.59	15.26	15.55	15.79	16.01	16.43
533	19.13	14.56	15.22	15.50	15.72	15.92	16.32
537	19.13	15.02	15.69	16.09	16.50	16.97	17.40
539	20.13	12.31	13.22	13.76	14.27	14.74	15.18
541	17.00	11.54	12.74	13.35	13.90	14.39	14.86
543	16.00	11.37	12.56	13.17	13.72	14.20	14.65
545	16.40	15.21	15.44	15.56	15.67	15.77	15.87
547	15.80	12.69	12.94	13.08	13.21	13.50	13.89
549	15.00	10.43	11.66	12.28	12.83	13.32	13.78
551	14.00	9.88	11.10	11.72	12.27	12.75	13.22
553	12.00	7.31	8.47	9.06	9.61	10.10	10.77
555	14.00	9.56	10.77	11.38	11.92	12.41	12.87
557	19.13	15.08	15.79	16.23	16.66	17.09	17.52
559	18.64	17.93	18.68	18.73	18.78	18.83	18.89
561	19.13	17.75	18.57	18.61	18.64	18.65	18.69
563	17.20	15.37	17.20	17.20	17.20	17.22	17.23
565	17.80	14.93	15.60	15.65	15.50	16.24	16.03
567	16.42	14.13	14.40	14.40	14.38	14.48	14.48
569	13.00	8.29	9.45	10.01	10.53	10.99	11.51
571	13.90	7.21	8.35	8.93	9.48	9.97	10.66
573	15.10	6.95	8.14	8.74	9.30	9.81	10.54
577	18.00	12.95	13.30	13.52	13.75	13.99	14.30
579	12.00	6.39	7.62	8.26	8.85	9.38	10.23
581	12.00	5.73	7.07	7.76	8.38	8.95	9.95
583	12.00	5.69	7.03	7.72	8.34	8.91	9.92
585	15.00	11.93	12.21	12.37	12.51	12.65	12.78
587	12.00	5.62	6.97	7.66	8.29	8.86	9.89

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
589	15.50	11.12	12.08	13.34	14.22	14.84	15.50
591	18.13	14.78	14.91	14.97	15.03	15.09	15.56
593	18.00	13.43	14.19	14.63	15.18	15.81	16.48
595	13.60	8.74	9.01	9.18	9.42	9.85	10.75
597	16.50	12.58	12.90	13.61	14.33	14.94	15.61
599	20.00	14.11	14.51	14.76	15.00	15.26	15.56
601	12.00	5.38	6.74	7.45	8.08	8.66	9.76
603	15.50	11.00	12.00	13.29	14.16	14.78	15.44
605	10.40	4.79	6.13	6.85	7.50	8.10	9.41
607	10.00	4.76	6.10	6.81	7.46	8.06	9.39
609	13.60	9.19	9.77	10.10	10.43	10.96	11.80
611	19.55	15.40	17.84	19.55	19.58	19.61	19.65
613	20.35	14.77	17.51	19.25	19.52	19.62	19.78
615	19.07	15.02	16.94	18.86	19.08	19.09	19.11
617	20.65	14.30	16.52	18.18	18.58	18.74	18.86
619	20.15	14.20	16.33	17.95	18.38	18.58	18.72
621	19.13	15.15	15.81	16.22	16.64	17.05	17.42
623	19.13	15.16	15.76	16.20	16.57	16.86	17.15
625	19.86	16.42	17.79	19.83	19.87	19.88	19.90
627	20.10	15.32	16.20	17.67	18.97	19.87	20.10
629	17.25	12.54	13.72	14.54	15.65	16.51	17.11
631	16.90	14.82	16.90	16.91	16.91	16.92	16.93
633	20.30	13.58	15.18	16.51	16.90	17.16	17.41
635	16.80	14.68	16.80	16.81	16.83	16.85	16.88
637	21.13	15.69	16.14	16.38	16.80	17.26	17.69
639	17.30	13.03	14.20	14.95	15.45	15.91	16.07
641	16.00	13.02	14.14	14.85	15.38	15.86	16.03
643	19.63	15.54	16.10	16.18	16.05	16.54	16.54
645	17.48	12.53	13.52	14.13	14.54	14.92	15.29
647	18.43	11.32	12.20	12.64	13.02	13.36	13.72
649	18.40	11.29	12.18	12.62	13.01	13.35	13.71
651	16.80	11.04	11.99	12.47	12.89	13.26	13.64
653	16.30	10.32	11.02	11.30	11.51	11.68	11.83
655	16.00	10.00	10.71	11.01	11.23	11.41	11.58
657	15.80	9.37	9.92	10.13	10.28	10.40	10.53
659	12.00	7.66	8.01	8.40	8.94	9.64	10.70
661	10.00	4.72	6.04	6.75	7.40	8.00	9.35
663	12.00	5.85	7.18	7.86	8.48	9.05	10.02
665	17.00	11.46	12.66	13.28	13.82	14.32	14.78

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
667	10.00	4.63	5.93	6.63	7.28	7.87	9.28
669	10.00	4.96	6.33	7.05	7.70	8.29	9.53
671	22.80	18.11	18.55	18.83	19.13	19.44	19.78
673	21.30	18.11	18.54	18.81	19.09	19.39	19.70
675	23.70	17.41	18.08	18.56	18.95	19.35	19.76
679	23.00	17.39	18.06	18.55	18.95	19.35	19.84
681	18.65	17.88	18.62	18.66	18.69	18.72	18.76
683	21.00	17.18	18.00	18.50	18.94	19.30	19.72
685	20.50	17.11	17.98	18.48	18.93	19.28	19.73
687	20.50	17.09	17.97	18.47	18.91	19.24	19.70
689	21.50	17.09	17.97	18.46	18.91	19.23	19.70
691	21.50	17.07	17.96	18.43	18.87	19.18	19.66
695	20.00	17.03	17.93	18.39	18.84	19.17	19.65
697	20.00	16.98	17.81	18.20	18.54	18.78	19.20
699	20.00	16.92	17.77	18.19	18.45	18.74	19.17
703	20.00	17.00	17.83	18.27	18.53	18.78	19.23
705	19.90	16.92	17.80	18.25	18.42	18.73	19.16
707	20.36	16.93	17.83	18.32	18.44	18.72	19.16
709	20.30	15.56	16.36	16.82	17.36	17.72	17.95
711	21.13	14.82	15.30	15.67	16.02	16.32	16.62
713	22.13	14.90	15.31	15.68	16.06	16.38	16.64
715	20.00	16.10	17.03	17.95	19.26	20.00	20.02
719	20.80	15.36	16.15	16.62	17.26	17.67	17.89
725	22.00	16.45	17.47	18.80	20.75	22.00	22.01
729	19.80	15.07	15.91	16.43	17.12	17.54	17.77
731	19.76	14.96	15.83	16.36	17.06	17.49	17.72
735	19.76	14.82	15.67	16.17	16.70	17.01	17.18
737	19.30	14.73	15.60	16.11	16.64	16.95	17.12
739	17.30	13.15	14.57	15.58	16.71	17.30	17.31
741	19.30	14.21	15.06	15.56	16.07	16.37	16.53
743	12.00	8.22	8.59	8.81	9.03	9.25	9.47
745	8.80	6.24	6.61	6.81	6.99	7.16	7.43
747	16.70	13.03	13.76	14.18	14.60	14.92	15.03
749	16.40	10.84	11.43	11.74	12.03	12.33	12.42
755	8.00	4.51	5.78	6.47	7.11	7.71	8.00
759	18.00	15.26	15.63	15.85	16.07	16.31	16.57
761	16.30	14.18	14.49	14.65	14.80	14.95	15.09
761.2	16.00	13.37	13.69	13.87	14.03	14.19	14.34
763	15.00	12.61	12.96	13.16	13.34	13.51	13.68

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
767	14.90	10.00	10.40	10.63	10.85	11.07	11.28
771	11.56	9.06	9.52	9.80	10.10	10.37	10.51
773	11.46	8.15	8.40	8.54	8.62	8.75	8.92
777	8.00	4.41	5.65	6.34	6.97	7.55	7.86
779	10.00	4.22	5.40	6.07	6.68	7.25	7.58
781	8.00	4.20	5.38	6.04	6.65	7.22	7.55
783	8.00	4.12	5.26	5.91	6.51	7.07	7.41
791	20.50	17.54	19.50	20.50	20.52	20.55	20.58
793	22.00	16.00	16.96	17.36	17.51	17.73	17.97
795	21.80	15.10	15.80	16.09	16.21	16.33	16.46
797	22.00	14.81	15.55	15.86	15.99	16.14	16.29
799	22.00	14.64	15.32	15.61	15.75	15.89	16.02
801	19.20	13.28	14.15	14.48	14.62	14.74	14.81
803	17.80	8.62	10.02	10.92	11.86	12.82	13.78
805	14.30	7.71	8.24	8.57	8.97	9.53	10.30
807	18.40	11.40	12.19	12.57	12.95	13.58	14.23
815	8.00	3.91	4.96	5.56	6.13	6.66	7.02
819	8.00	3.85	4.86	5.45	6.00	6.52	6.89
821	8.00	3.52	4.38	4.89	5.38	5.85	6.19
823	21.00	17.25	17.89	18.31	18.76	19.23	19.73
825	19.80	16.38	16.48	16.54	16.59	16.63	16.68
827	10.00	6.15	6.26	6.38	6.52	6.69	6.90
829	7.00	3.37	4.15	4.63	5.09	5.53	5.86
831	8.00	3.35	4.12	4.59	5.05	5.48	5.81
835	19.30	12.59	13.44	13.99	14.54	15.10	15.68
837	19.90	12.55	13.34	13.83	14.32	14.82	15.34
839	18.80	15.27	15.85	16.15	16.44	16.71	16.98
841	19.50	17.85	18.78	19.26	19.51	19.58	19.67
843	19.80	13.49	14.18	14.60	15.04	15.53	16.04
847	18.00	14.02	14.65	15.07	15.52	15.99	16.48
849	20.80	14.03	14.68	15.11	15.55	16.01	16.50
851	18.00	14.02	14.63	15.03	15.43	15.84	16.28
853	19.20	17.84	18.77	19.24	19.37	19.49	19.59
855	19.80	17.84	18.77	19.24	19.46	19.56	19.65
859	18.80	13.57	14.18	14.52	14.84	15.15	15.47
863	20.00	13.48	14.12	14.46	14.79	15.11	15.43
865	18.48	13.99	14.85	15.35	15.87	16.42	17.01
869	20.00	20.01	20.03	20.04	20.05	20.08	20.10
871	19.00	17.99	18.11	18.42	18.75	18.78	18.78

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
873	18.60	17.43	17.93	18.31	18.60	18.61	18.62
875	18.60	17.12	17.84	18.25	18.58	18.60	18.60
877	17.00	14.37	14.68	14.96	15.22	15.50	15.78
879	18.00	13.88	14.51	14.85	15.14	15.43	15.71
881	16.30	13.27	13.90	14.24	14.56	14.88	15.19
885	16.50	13.20	13.83	14.17	14.49	14.82	15.12
887	23.50	18.94	19.30	19.54	19.79	20.06	20.35
889	15.90	12.24	12.92	13.32	13.80	14.23	14.41
891	13.90	11.58	12.41	13.00	13.58	13.92	13.97
893	20.60	19.49	19.94	20.26	20.60	20.60	20.61
895	16.00	11.28	12.18	12.83	13.41	13.79	13.84
897	16.00	11.16	12.03	12.68	13.26	13.65	13.70
899	21.00	19.26	19.78	20.15	20.54	20.61	20.92
901	20.50	18.87	19.06	19.26	19.55	19.90	20.02
903	20.00	17.83	18.74	19.25	19.53	19.87	20.00
905	16.00	11.96	12.55	12.91	13.29	13.70	14.16
905.1	16.05	11.93	12.51	12.88	13.26	13.67	14.13
907	20.00	20.04	20.07	20.10	20.13	20.17	20.21
909	20.00	18.87	18.94	19.33	19.54	19.67	19.82
911	20.00	17.99	18.87	19.32	19.53	19.67	19.81
913	19.80	17.83	18.74	19.23	19.46	19.62	19.77
915	16.00	11.89	12.47	12.84	13.22	13.64	14.10
915.2	15.05	11.56	12.14	12.50	12.88	13.29	13.67
915.3	15.20	11.00	11.54	11.90	12.31	12.71	12.96
915.4	15.30	10.60	11.10	11.47	11.92	12.32	12.51
915.5	14.00	9.82	10.48	10.92	11.45	11.87	12.03
915.6	14.50	9.64	10.30	10.70	11.08	11.44	11.60
915.7	15.00	9.54	10.20	10.58	10.92	11.23	11.38
915.8	14.37	9.16	9.83	10.20	10.55	10.87	11.03
915.9	13.85	9.02	9.70	10.03	10.33	10.56	10.71
917	19.00	16.80	17.21	17.41	17.57	17.75	17.95
919	18.50	16.55	16.95	17.15	17.32	17.48	17.63
921	18.00	15.04	15.51	15.75	15.96	16.19	16.40
923	16.00	14.22	14.74	15.03	15.31	15.62	15.84
925	16.00	12.50	13.29	13.73	14.15	14.56	14.56
927	15.00	11.52	11.85	12.02	12.19	12.32	12.58
929	14.65	8.89	9.56	9.88	10.17	10.41	10.56
929.2	12.70	8.61	9.23	9.51	9.78	9.99	10.15
929.3	11.00	8.54	9.15	9.41	9.68	9.88	10.04

Table A-1. Existing Conditions Maximum Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

Blue Shaded Numbers indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
935	16.00	10.73	10.87	10.92	10.96	10.98	11.03
937	14.00	7.90	8.63	9.26	9.84	10.38	10.90
939	10.00	7.79	8.43	8.73	9.03	9.30	9.52
941	10.00	7.78	8.42	8.72	9.03	9.30	9.52
943	10.19	7.21	7.61	8.53	9.68	10.19	10.19
945	9.00	6.41	7.11	7.46	7.87	8.36	8.74
947	9.00	5.52	6.19	6.61	7.22	7.72	8.14
949	9.00	5.44	6.07	6.44	6.93	7.36	7.74
951	12.70	7.42	7.69	7.84	7.99	8.14	8.29
953	6.00	4.37	4.81	5.01	5.19	5.34	5.44
955	6.00	3.36	3.81	4.02	4.19	4.49	5.04
957	5.50	2.97	3.44	3.74	4.05	4.37	5.00
959	16.80	12.82	15.95	16.81	16.82	16.84	16.86
961	15.91	12.28	14.77	15.83	15.91	15.92	15.93
963	13.20	9.76	10.09	10.20	10.22	10.22	10.22
965	11.13	6.95	7.35	7.48	7.53	7.55	7.55
967	6.00	3.14	3.54	3.88	4.22	4.55	5.05
969	6.00	3.02	3.54	3.88	4.22	4.55	5.05
971	6.00	2.97	3.44	3.74	4.04	4.37	5.00
975	5.20	3.45	4.13	4.53	4.92	5.21	5.23
981	5.00	2.91	3.32	3.60	3.88	4.25	4.89
983	5.00	2.87	3.28	3.55	3.83	4.19	4.84
985	5.00	2.85	3.25	3.52	3.79	4.14	4.76
987	4.00	2.32	2.35	2.38	2.43	2.49	2.57
989	7.97	3.93	5.49	7.03	7.97	7.99	8.01
991	4.30	3.19	3.77	4.13	4.30	4.31	4.32
997	4.00	2.30	2.30	2.31	2.31	2.31	2.32