



Appendix C

Maximum Water Surface Elevations



**US Army Corps
of Engineers**
Norfolk District

Chesapeake
VIRGINIA

Department of Public Works

URS

Table C-1. Existing Conditions Peak 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	18.00	14.84	15.10	15.37	15.72	16.10	16.44
102	17.00	13.84	14.30	14.59	14.95	15.42	15.95
103	17.00	15.00	15.67	16.01	16.36	16.73	17.00
104	18.00	13.47	13.75	14.14	14.64	15.25	15.86
105	17.00	14.02	14.64	14.94	15.25	15.57	15.98
107	17.50	13.22	13.60	14.00	14.55	15.20	15.83
109	17.00	14.74	15.01	15.23	15.65	16.18	16.66
111	18.00	14.20	14.66	15.02	15.48	16.01	16.50
113	17.00	13.74	14.30	14.71	15.20	15.74	16.24
115	16.50	13.37	14.05	14.46	14.94	15.47	16.01
116	18.00	13.76	14.09	14.30	14.52	14.98	15.67
117	17.20	12.66	13.17	13.61	14.22	14.96	15.65
119	17.00	12.61	13.12	13.57	14.18	14.92	15.60
123	15.50	12.37	12.69	13.12	13.80	14.57	15.27
125	16.00	12.35	12.68	13.11	13.80	14.56	15.26
131	16.50	13.69	14.28	14.73	15.22	15.76	16.21
132	16.00	13.22	14.07	14.54	15.04	15.58	16.01
137	16.50	12.18	13.06	13.59	14.16	14.79	15.36
138	16.50	12.10	12.63	13.17	13.87	14.68	15.42
139	17.00	11.97	12.58	13.14	13.82	14.57	15.24
141	16.00	11.72	12.36	12.95	13.65	14.42	15.12
143	16.00	11.62	12.33	12.92	13.62	14.37	15.00
145	15.50	11.41	12.15	12.74	13.43	14.18	14.80
147	15.00	10.82	11.55	12.12	12.80	13.54	14.17
155	14.00	10.74	10.96	11.08	11.21	11.37	11.70
156	14.00	8.93	9.39	9.93	10.58	11.37	11.69
157	13.50	8.80	9.19	9.71	10.38	11.22	11.53
159	13.50	8.74	9.11	9.38	9.91	10.62	11.17
163	15.10	9.77	9.96	10.04	10.20	10.39	10.68
165	15.10	9.32	9.66	9.85	10.06	10.29	10.67
166	14.00	8.87	9.34	9.56	9.78	10.02	10.65
167	13.10	8.69	9.02	9.18	9.33	9.97	10.64
170	13.40	10.17	11.07	12.08	13.18	13.41	13.42
171	13.30	9.98	10.88	11.69	12.62	13.17	13.37
173	14.00	9.97	10.87	11.37	11.99	12.80	13.38
175	14.80	9.97	10.86	11.37	11.99	12.79	13.35
177	14.00	14.01	14.02	14.03	14.04	14.07	14.10
179	14.80	9.77	10.39	10.68	10.98	11.48	12.25
181	14.59	12.35	12.35	12.36	12.36	12.37	12.53

Table C-1. Existing Conditions Peak 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)
183	15.09	9.74	10.33	10.60	10.89	11.41	12.18
185	13.20	9.63	9.91	10.04	10.17	10.31	10.64
186	14.50	10.89	11.43	11.72	12.04	12.45	12.85
187	13.70	9.12	9.28	9.38	9.50	9.96	10.64
188	14.50	10.39	10.99	11.32	11.79	12.29	12.74
189	13.50	8.68	8.99	9.14	9.29	9.96	10.64
190	14.50	10.38	10.97	11.31	11.78	12.26	12.69
191	14.00	10.52	10.99	11.28	11.75	12.23	12.65
193	14.00	10.21	10.82	11.22	11.70	12.18	12.61
195	14.00	10.01	10.72	11.12	11.60	12.00	12.31
197	12.50	9.69	10.23	10.68	11.23	11.45	11.67
199	11.30	9.43	10.22	10.67	11.22	11.44	11.66
201	12.50	9.11	9.89	10.34	10.85	11.04	11.23
203	11.00	9.09	9.88	10.33	10.84	11.04	11.23
205	10.90	9.09	9.86	10.31	10.82	11.03	11.23
207	11.00	8.94	9.68	10.12	10.63	10.89	11.11
209	12.00	8.56	9.36	9.83	10.39	10.81	11.07
211	12.00	7.72	8.50	9.04	9.74	10.35	10.75
213	14.00	11.79	12.25	12.49	12.77	13.07	13.34
214	14.40	13.01	13.52	13.76	14.01	14.26	14.40
215	14.00	11.53	11.97	12.22	12.48	12.78	13.05
217	14.90	10.59	10.92	11.14	11.42	11.74	12.06
219	12.00	8.49	9.30	9.75	10.28	10.75	11.06
235	15.00	9.79	10.25	10.50	10.77	11.09	11.40
237	12.50	9.03	9.61	9.97	10.36	10.80	11.23
239	12.50	8.87	9.32	9.51	9.80	10.51	10.99
241	11.50	8.20	8.73	9.02	9.76	10.48	10.96
243	11.50	8.16	8.68	9.00	9.75	10.45	10.91
245	12.00	7.52	8.37	8.93	9.72	10.43	10.88
247	12.00	7.51	8.37	8.93	9.72	10.42	10.87
249	12.00	7.42	8.28	8.84	9.60	10.28	10.73
251	12.00	7.46	7.95	8.59	9.37	10.07	10.54
253	12.50	7.00	8.01	8.66	9.49	10.22	10.68
255	12.30	6.84	7.91	8.57	9.35	10.06	10.53
257	10.30	5.95	7.30	8.07	8.98	9.80	10.36
258	11.40	9.27	9.39	9.45	9.50	9.85	10.42
259	10.40	5.79	7.20	7.98	8.91	9.76	10.33
263	11.20	5.38	6.86	7.70	8.64	9.55	10.25
265	10.20	5.32	6.80	7.64	8.55	9.42	10.07

Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)

Vertical Datum: NAVD 1988

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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)
267	10.00	4.97	6.34	7.14	8.02	8.90	9.60
269	9.00	4.63	5.84	6.59	7.44	8.32	9.00
271	9.40	4.37	5.37	6.06	6.87	7.76	8.48
273	9.40	4.34	5.30	5.95	6.65	7.43	8.08
279	13.00	12.54	13.00	13.00	13.01	13.02	13.03
280	14.00	12.51	13.27	13.62	14.00	14.01	14.01
281	12.50	12.24	12.50	12.51	12.51	12.52	12.53
283	12.00	10.60	11.12	11.20	11.20	11.17	11.11
285	11.00	7.35	7.79	8.01	8.24	8.50	8.74
287	11.00	5.66	6.22	6.65	7.10	7.56	7.98
288	8.00	5.04	5.09	5.69	6.33	7.08	7.77
289	8.00	4.23	5.07	5.65	6.29	7.05	7.71
291	8.00	4.16	4.88	5.40	5.98	6.72	7.39
293	6.50	3.97	4.37	4.71	5.09	5.82	6.44
301	7.30	4.00	4.37	4.69	5.06	5.77	6.39
303	6.62	3.96	4.35	4.67	5.03	5.76	6.39
305	6.50	3.96	4.35	4.67	5.03	5.76	6.39
309	10.00	7.57	7.89	8.08	8.26	8.42	8.53
311	10.00	6.30	6.84	7.11	7.42	7.71	7.99
313	8.00	3.95	4.30	4.60	4.94	5.67	6.32
317	9.00	6.70	7.52	8.07	9.00	9.01	9.02
323	8.30	4.51	4.94	5.20	5.90	6.24	6.68
325	8.00	4.50	4.89	5.11	5.58	5.93	6.43
327	6.00	3.94	4.27	4.56	4.88	5.61	6.26
329	6.00	3.93	4.27	4.55	4.88	5.61	6.26
339	12.00	8.54	8.62	8.65	9.43	11.18	11.21
341	11.00	5.98	6.94	7.88	11.00	11.00	11.01
347	8.00	4.43	4.97	5.21	7.35	8.00	8.00
349	8.00	4.29	4.74	4.91	5.04	5.30	5.44
351	5.00	3.91	4.19	4.43	4.70	5.03	5.11
354	9.20	6.43	7.14	7.97	9.05	9.20	9.21
355	7.80	4.75	5.39	5.77	6.21	6.73	7.23
363	10.00	4.71	5.27	5.61	6.00	6.45	6.86
367	8.80	4.70	5.25	5.57	5.93	6.35	6.72
369	7.80	4.62	4.98	5.17	5.39	5.63	5.80
371	6.00	3.90	4.19	4.42	4.68	5.01	5.09
375	5.00	3.90	4.19	4.42	4.68	5.01	5.09
379	10.60	7.03	8.99	10.60	10.61	10.61	10.62
381	10.20	6.78	8.60	10.20	10.20	10.21	10.22

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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)
387	9.40	6.21	7.62	8.99	9.18	9.35	9.40
389	10.00	5.77	6.96	8.10	9.63	8.66	8.41
391	7.80	5.67	6.73	7.80	7.80	7.81	7.82
395	8.70	4.78	5.50	6.08	6.51	8.70	8.70
399	5.00	3.98	4.26	4.53	4.75	5.03	5.09
401	5.00	3.90	4.18	4.41	4.67	5.00	5.08
403	14.00	14.00	14.01	14.02	14.02	14.05	14.08
404	14.00	13.81	13.93	13.99	14.00	14.00	14.00
405	14.00	13.69	13.88	13.98	14.00	14.00	14.01
406	12.50	10.17	10.22	10.23	10.25	10.31	10.38
407	13.63	11.15	11.87	12.25	12.67	13.18	13.62
408	13.95	11.73	12.11	12.30	12.59	12.91	13.26
409	13.21	11.09	11.78	12.10	12.43	12.77	13.05
410	13.64	11.61	11.87	12.09	12.43	12.77	13.05
411	14.00	11.81	12.33	12.62	12.97	13.39	13.84
412	13.73	11.07	11.68	12.06	12.54	12.73	12.86
413	14.00	11.74	12.20	12.41	12.60	12.83	13.10
414	13.23	11.06	11.67	12.06	12.55	12.73	12.84
416	12.96	11.05	11.67	12.05	12.56	12.73	12.78
419	10.00	7.19	7.87	8.45	9.33	10.01	10.03
421	10.00	6.67	7.13	7.38	7.82	8.60	8.60
423	8.20	4.76	5.80	6.50	7.30	8.20	8.21
425	8.20	4.72	5.76	6.43	7.22	8.15	8.18
427	8.00	3.89	4.15	4.34	4.58	4.92	5.01
429	7.00	3.89	4.14	4.34	4.58	4.89	4.98
435	8.00	4.70	5.00	5.16	5.32	5.50	5.65
437	6.61	3.87	4.11	4.27	4.49	4.79	4.88
439	6.61	3.87	4.10	4.27	4.49	4.79	4.88
441	6.61	3.86	4.09	4.25	4.46	4.75	4.85
445	6.00	3.86	4.08	4.23	4.44	4.72	4.82
449	9.20	4.42	5.53	6.37	7.68	9.20	9.21
451	9.20	4.29	5.19	5.91	7.03	8.30	8.34
455	8.00	3.86	4.08	4.23	4.43	4.72	4.82
457	8.00	3.86	4.08	4.23	4.43	4.72	4.82
461	7.96	3.87	4.08	4.20	4.36	4.63	4.74
463	5.00	3.84	4.05	4.18	4.36	4.63	4.74
475	16.00	10.85	11.94	12.70	13.59	14.48	15.08
479	14.20	11.54	12.15	12.68	13.55	14.27	14.48
481	16.30	10.91	11.94	12.67	13.54	14.28	14.54

Table C-1. Existing Conditions Peak 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)
485	16.70	10.84	11.94	12.67	13.54	14.29	14.60
487	18.49	18.49	18.50	18.50	18.51	18.52	18.53
489	16.90	16.25	16.90	16.91	16.91	16.92	16.92
491	16.78	10.80	11.91	12.64	13.51	14.29	14.66
493	17.13	10.80	11.91	12.64	13.50	14.28	14.66
497	18.00	13.60	13.80	13.90	14.04	14.31	14.65
499	17.82	11.34	11.80	12.52	13.36	14.13	14.55
501	17.90	10.93	11.80	12.52	13.36	14.13	14.55
503	17.40	10.73	11.80	12.52	13.36	14.13	14.55
507	17.00	10.46	11.64	12.32	13.13	13.85	14.34
509	15.30	10.43	11.62	12.30	13.11	13.82	14.31
511	15.10	10.42	11.62	12.29	13.10	13.81	14.31
517	16.00	13.91	15.22	15.38	15.70	16.00	16.00
518	15.00	13.80	15.00	15.01	15.03	15.08	15.06
519	16.00	13.72	15.03	15.11	15.22	15.27	15.30
521	15.70	13.12	14.41	15.04	15.36	15.70	15.71
523	14.80	12.13	12.67	12.84	13.32	13.95	14.43
525	14.40	11.42	11.86	12.25	13.15	13.81	14.32
527	18.45	12.86	16.21	18.45	18.46	18.47	18.48
533	16.50	10.35	11.54	12.21	13.00	13.69	14.22
537	16.00	10.29	11.27	11.79	12.32	12.45	12.51
539	16.00	10.30	11.29	11.80	12.33	12.47	12.53
545	13.30	10.96	11.47	11.78	12.23	12.60	13.05
547	13.63	10.92	11.44	11.75	12.17	12.51	12.93
551	13.53	11.07	11.66	12.01	12.45	12.63	12.76
552	14.13	11.07	11.67	12.04	12.49	12.69	12.81
553	14.13	11.07	11.68	12.04	12.51	12.70	12.82
555	13.11	10.96	11.47	11.79	12.23	12.61	13.06
565	13.08	11.30	12.08	12.58	13.08	13.10	13.12
567	13.30	11.16	11.75	12.11	12.74	12.75	12.80
568	13.30	11.05	11.67	12.05	12.56	12.72	12.78
571	13.30	10.60	11.44	11.91	12.46	12.61	12.66
573	13.70	10.57	11.42	11.88	12.41	12.55	12.59
575	13.20	10.52	11.45	11.96	12.57	13.14	13.20
579	13.70	10.51	11.39	11.86	12.40	12.52	12.57
585	13.60	10.36	11.31	11.81	12.34	12.42	12.46
587	14.00	10.36	11.31	11.80	12.32	12.37	12.41
589	12.30	10.35	11.29	11.79	12.30	12.34	12.39
593	12.30	10.34	11.28	11.77	12.27	12.31	12.35

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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)
599	12.20	10.25	11.19	11.68	12.19	12.23	12.27
603	13.00	10.04	10.98	11.47	11.99	12.10	12.17
605	13.00	10.02	10.96	11.44	11.93	12.07	12.14
609	14.00	9.84	11.31	12.17	13.22	14.00	14.01
611	13.00	9.74	10.67	11.15	11.65	11.86	11.97
614	12.00	9.76	11.53	12.00	12.01	12.02	12.03
615	12.50	9.31	10.21	10.69	11.19	11.48	11.67
617	14.00	7.73	8.91	9.56	10.18	10.58	10.87
619	13.00	7.64	8.78	9.32	9.83	10.18	10.45
629	14.64	10.97	11.45	11.70	11.98	12.31	12.69
631	14.85	11.25	11.81	12.10	12.46	12.88	13.35
633	14.85	11.22	11.76	12.04	12.36	12.73	13.15
635	12.90	10.25	10.85	11.21	11.63	12.12	12.58
639	12.90	10.24	10.83	11.19	11.60	12.08	12.54
641	12.50	10.03	10.38	10.60	10.89	11.23	11.55
645	13.60	10.16	10.48	10.64	10.83	11.14	11.46
647	13.90	10.16	10.46	10.62	10.82	11.13	11.44
653	12.00	7.46	8.62	9.16	9.69	10.11	10.43
655	14.50	7.39	8.56	9.10	9.62	10.00	10.30
659	14.00	7.14	8.28	8.81	9.33	9.72	10.04
661	12.00	6.93	8.05	8.57	9.09	9.47	9.81
665	9.00	5.69	6.70	7.19	7.68	8.08	8.38
667	8.00	4.88	5.75	6.18	6.64	7.06	7.37
669	8.00	4.36	5.07	5.46	5.91	6.37	6.73
671	7.16	4.31	4.98	5.35	5.76	6.14	6.44
673	6.63	4.00	4.46	4.74	5.09	5.41	5.64
675	5.13	3.95	4.32	4.53	4.78	5.00	5.14
679	4.00	3.82	4.01	4.12	4.26	4.49	4.60
689	18.80	13.52	14.02	14.29	14.60	14.95	16.05
693	16.00	12.48	13.15	13.55	14.03	14.62	15.19
694	15.16	11.18	13.32	13.75	14.21	14.71	15.11
695	18.13	11.08	13.40	13.91	14.49	15.14	15.75
697	17.90	11.02	13.45	14.03	14.70	15.49	16.25
699	17.70	10.89	13.60	14.33	15.20	16.27	17.35
703	17.70	10.88	13.64	14.38	15.27	16.38	17.51
707	12.66	10.35	12.67	12.69	12.72	12.76	12.81
709	11.50	7.80	8.69	9.10	9.51	9.90	10.27
711	10.70	7.59	8.44	8.87	9.27	9.70	10.09
715	17.40	14.44	17.41	17.41	17.43	17.44	17.46

Table C-1. Existing Conditions Peak 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)
717	17.40	14.24	17.17	17.36	17.29	17.21	17.22
721	16.00	13.23	16.00	16.01	16.01	16.02	16.04
723	16.00	13.19	15.89	16.00	15.91	15.92	15.93
727	14.00	12.21	14.02	14.03	14.09	14.13	14.17
729	14.00	10.98	12.43	12.60	12.70	12.80	12.86
737	8.02	7.65	8.11	8.17	8.30	8.42	8.54
743	9.00	7.63	8.16	8.34	8.59	8.87	9.02
749	10.00	7.46	8.09	8.28	8.50	8.78	8.95
751	11.00	7.56	8.10	8.49	8.87	9.21	9.46
753	10.00	7.24	7.94	8.18	8.44	8.70	8.86
763	12.50	10.20	12.50	12.51	12.52	12.54	12.56
765	12.00	9.63	10.08	10.41	10.79	11.12	11.36
766	12.50	8.88	10.00	10.36	10.66	10.82	10.85
769	10.80	8.85	10.00	10.35	10.65	10.80	10.81
771	10.80	8.78	9.89	10.26	10.56	10.71	10.80
775	10.00	8.24	9.01	9.51	10.00	10.00	10.01
779	8.40	7.33	8.14	8.45	8.68	8.85	8.95
781	10.00	7.14	7.88	8.14	8.41	8.65	8.82
783	10.00	7.07	7.76	8.02	8.29	8.52	8.66
785	8.80	7.02	7.73	8.00	8.28	8.50	8.64
786	12.00	12.01	12.04	12.06	12.09	12.14	12.18
787	12.02	11.64	11.66	11.68	11.71	11.75	11.79
789	9.00	6.92	7.65	7.94	8.23	8.45	8.58
790	10.13	8.45	8.88	9.06	9.28	9.66	10.13
791	8.00	6.69	7.29	7.56	7.83	8.01	8.04
793	8.00	6.56	7.18	7.46	7.75	7.95	7.98
795	8.00	6.47	7.05	7.31	7.57	7.79	7.83
796	10.73	8.39	8.86	9.05	9.24	9.44	9.50
797	10.73	7.25	7.76	8.14	8.55	8.91	9.21
798	8.00	6.25	6.83	7.10	7.39	7.63	7.70
799	8.00	5.63	6.25	6.56	6.90	7.20	7.31
801	8.00	5.49	6.01	6.27	6.55	6.80	6.91
805	8.72	5.14	5.67	5.93	6.22	6.51	6.67
807	8.68	5.03	5.52	5.76	6.03	6.31	6.47
809	8.00	4.71	5.14	5.37	5.64	5.93	6.15
813	8.00	4.59	4.98	5.21	5.47	5.78	6.00
815	10.23	4.40	4.70	4.89	5.14	5.45	5.69
817	8.28	4.23	4.51	4.66	4.85	5.07	5.24
819	4.00	4.12	4.37	4.52	4.70	4.92	5.08

Table C-1. Existing Conditions Peak 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)
821	3.60	3.77	3.89	3.95	4.05	4.20	4.28
825	5.00	3.72	3.78	3.81	3.85	3.92	3.96
827	4.00	3.71	3.78	3.81	3.84	3.90	3.94
829	4.00	3.71	3.77	3.80	3.83	3.89	3.93
830	4.30	3.71	3.76	3.79	3.82	3.86	3.90
831	6.00	3.69	3.73	3.76	3.78	3.81	3.83
832	4.30	3.70	3.75	3.77	3.80	3.83	3.86
833	6.00	3.69	3.73	3.76	3.78	3.80	3.83
847	6.60	4.59	5.77	6.60	6.61	6.63	6.65
855	5.80	4.00	4.29	4.47	4.70	4.95	5.15
859	5.41	3.91	4.13	4.26	4.43	4.60	4.74
863	5.47	3.78	3.91	3.98	4.07	4.16	4.25
865	5.47	3.75	3.85	3.91	3.98	4.05	4.12
867	6.00	3.70	3.76	3.79	3.83	3.86	3.90
869	6.00	3.68	3.73	3.75	3.78	3.80	3.83
873	4.00	3.68	3.72	3.74	3.76	3.79	3.81
877	3.60	3.66	3.69	3.71	3.73	3.75	3.77
879	4.00	3.65	3.68	3.69	3.71	3.73	3.75
883	4.10	4.10	4.11	4.11	4.12	4.13	4.14
885	4.50	3.66	3.69	3.70	3.72	3.74	3.75
889	4.00	3.65	3.68	3.69	3.71	3.72	3.74
891	4.00	3.65	3.67	3.69	3.70	3.72	3.74
895	4.00	3.65	3.67	3.68	3.69	3.71	3.73
901	7.10	4.22	4.63	4.84	5.08	5.36	5.63
903	6.00	3.83	4.12	4.33	4.60	4.93	5.26
905	6.00	3.73	3.88	3.97	4.08	4.20	4.31
907	4.00	3.62	3.64	3.64	3.65	3.67	3.68
913	3.60	3.62	3.63	3.64	3.64	3.65	3.66
915	4.00	3.62	3.62	3.63	3.63	3.64	3.64
929	7.50	4.90	5.37	5.60	5.86	6.15	6.44
933	6.20	4.38	4.88	5.15	5.47	5.85	6.20
935	6.20	4.35	4.84	5.11	5.42	5.79	6.13
937	5.99	4.26	4.75	5.03	5.35	5.72	6.08
943	6.40	4.09	4.48	4.70	4.94	5.18	5.41
947	5.50	3.99	4.33	4.53	4.75	4.99	5.22
953	5.00	3.68	3.76	3.82	3.90	3.98	4.04
955	6.00	3.62	3.64	3.65	3.66	3.67	3.68
960	6.00	4.29	4.77	5.07	5.42	5.83	6.02
961	7.00	4.09	4.39	4.58	4.81	5.09	5.34

Table C-1. Existing Conditions Peak 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)
962	5.00	4.01	4.27	4.42	4.58	4.79	5.00
963	10.00	4.00	4.26	4.41	4.57	4.79	5.00
965	7.00	3.89	4.12	4.27	4.45	4.69	4.92
969	6.13	3.89	4.12	4.26	4.45	4.69	4.91
971	5.73	3.64	3.66	3.68	3.70	3.72	3.74
973	5.90	3.64	3.66	3.68	3.69	3.72	3.74
974	6.10	3.62	3.63	3.64	3.65	3.66	3.67
975	6.10	3.62	3.63	3.64	3.65	3.66	3.66
977	6.00	3.62	3.63	3.64	3.64	3.65	3.66
983	4.50	3.62	3.63	3.64	3.64	3.65	3.66
987	4.00	3.61	3.62	3.62	3.63	3.63	3.64
991	7.00	3.60	3.61	3.61	3.61	3.61	3.61

Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)

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	18.00	14.84	15.06	15.29	15.63	16.13	16.59
102	17.00	14.35	14.81	15.12	15.51	16.05	16.49
103	17.00	14.62	15.30	15.69	16.18	16.79	17.18
104	18.00	13.94	14.27	14.58	15.02	15.60	16.11
105	17.00	14.53	15.15	15.48	15.88	16.44	16.95
107	17.50	13.66	14.11	14.36	14.72	15.33	15.87
109	17.00	15.26	15.89	16.22	16.57	16.97	17.04
111	18.00	15.22	15.83	16.16	16.51	16.89	17.13
113	17.00	15.03	15.63	15.94	16.29	16.66	17.00
115	17.00	14.65	15.22	15.52	15.85	16.44	16.97
116	18.00	15.85	16.46	16.75	17.04	17.34	17.78
117	17.20	13.62	14.06	14.32	14.59	15.09	15.64
118	17.00	14.60	15.15	15.43	15.80	16.42	16.96
119	17.00	13.54	14.02	14.26	14.53	15.07	15.61
123	15.50	13.21	13.70	13.95	14.39	14.93	15.44
125	16.00	13.15	13.64	13.93	14.38	14.92	15.43
132	17.00	13.69	14.59	15.13	15.73	16.38	16.94
137	17.00	13.60	14.39	14.76	15.16	15.56	15.89
138	16.50	12.84	13.54	13.93	14.40	14.97	15.52
139	17.00	12.82	13.53	13.92	14.37	14.91	15.41
141	16.00	12.80	13.52	13.91	14.36	14.90	15.40
143	16.00	12.76	13.49	13.88	14.32	14.82	15.26
145	15.50	12.58	13.31	13.69	14.13	14.63	15.06
147	15.00	11.98	12.69	13.07	13.50	13.99	14.43
155	14.00	11.08	11.40	11.58	11.78	12.01	12.25
156	14.00	9.78	10.48	10.88	11.36	11.89	12.10
157	13.50	9.56	10.27	10.70	11.20	11.78	12.03
159	13.50	9.42	9.91	10.15	10.51	11.04	11.36
163	15.10	10.48	11.01	11.29	11.59	11.91	12.24
165	15.10	10.35	10.91	11.18	11.46	11.75	12.00
166	14.00	9.52	10.08	10.34	10.62	10.91	11.17
167	13.10	9.25	9.66	9.86	10.09	10.36	10.80
170	13.40	10.17	11.05	12.06	13.16	13.41	13.42
171	13.30	9.93	10.81	11.67	12.60	13.16	13.34
173	14.00	9.93	10.80	11.29	11.91	12.69	13.34
175	14.80	9.93	10.79	11.29	11.90	12.67	13.31
176	15.31	14.10	15.32	15.33	15.33	15.35	15.36
177	15.34	14.10	15.35	15.35	15.37	15.38	15.40
179	14.80	9.53	10.12	10.44	10.74	11.15	11.56

Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)

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)
181	16.00	9.40	9.83	10.02	10.25	10.50	10.91
183	15.09	9.50	10.07	10.34	10.65	11.05	11.47
184	13.70	9.36	9.77	9.97	10.19	10.44	10.85
185	13.20	9.52	9.91	10.10	10.30	10.53	10.85
186	14.50	10.99	11.62	11.95	12.30	12.66	13.07
187	13.70	9.25	9.65	9.85	10.09	10.35	10.81
188	14.50	10.88	11.50	11.83	12.20	12.70	13.11
189	13.50	9.23	9.63	9.83	10.06	10.33	10.79
190	14.50	10.78	11.38	11.70	12.03	12.45	12.91
191	14.00	10.63	11.26	11.59	11.95	12.40	12.86
193	14.00	10.53	11.14	11.50	11.90	12.34	12.81
195	14.00	10.32	11.00	11.35	11.71	12.08	12.38
197	12.50	10.09	10.65	10.92	11.22	11.53	11.80
199	11.30	9.54	10.14	10.44	10.75	11.08	11.48
201	12.50	9.01	9.37	9.56	9.83	10.74	11.38
203	12.00	8.22	8.59	9.13	9.81	10.73	11.37
207	11.50	7.76	8.59	9.13	9.80	10.73	11.37
211	12.00	7.54	8.34	8.85	9.47	10.22	10.81
213	14.00	11.78	12.22	12.47	12.74	13.03	13.30
214	14.40	12.96	13.44	13.67	13.91	14.16	14.37
215	14.00	11.50	11.93	12.17	12.44	12.74	13.01
217	14.90	10.71	11.04	11.26	11.51	11.80	12.09
219	12.00	8.06	8.83	9.26	9.75	10.40	11.07
235	15.00	9.86	10.68	11.14	11.65	12.24	12.63
237	12.50	9.73	10.59	11.06	11.60	12.18	12.51
239	12.50	9.39	9.85	10.09	10.36	10.68	11.20
241	11.50	8.79	9.32	9.61	9.95	10.44	11.10
243	11.50	8.73	9.21	9.45	9.75	10.28	10.97
245	12.00	7.60	8.33	8.79	9.35	10.17	10.91
247	12.00	7.54	8.29	8.75	9.31	10.14	10.87
249	12.00	7.45	8.19	8.64	9.20	10.02	10.69
251	12.00	8.88	9.48	9.77	10.07	10.39	10.65
253	12.50	7.05	7.85	8.38	9.03	9.95	10.63
255	12.30	6.98	7.76	8.29	8.92	9.78	10.39
257	10.30	6.09	7.19	7.79	8.50	9.50	10.14
258	11.40	10.05	10.30	10.39	10.47	10.63	10.99
259	10.40	5.84	7.04	7.64	8.38	9.42	10.08
263	11.20	6.00	7.16	7.74	8.50	9.55	10.21
265	10.20	5.67	6.89	7.50	8.23	9.28	9.94

Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)

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)
267	10.00	5.53	6.73	7.34	8.07	9.17	9.84
269	9.00	5.41	6.59	7.19	7.92	9.06	9.74
271	9.40	5.32	6.48	7.07	7.80	9.05	9.64
273	9.40	5.31	6.46	7.03	7.75	9.02	9.59
279	13.00	13.00	13.00	13.01	13.02	13.03	13.04
280	14.00	12.77	13.51	13.98	14.00	14.01	14.02
281	12.50	12.41	12.51	12.51	12.52	12.53	12.54
283	12.00	10.78	11.19	11.21	11.14	11.02	10.99
285	11.00	7.59	8.10	8.35	8.64	9.01	9.40
287	11.00	5.95	7.03	7.54	8.08	8.58	9.00
288	8.00	5.34	6.14	6.69	7.39	8.11	8.35
289	8.00	5.07	6.11	6.65	7.35	8.24	8.51
291	8.00	4.86	5.80	6.29	6.98	8.00	8.24
293	6.50	4.28	4.87	5.23	5.87	6.50	6.50
301	7.30	4.26	4.83	5.17	5.81	6.44	6.45
303	6.62	4.24	4.81	5.16	5.80	6.45	6.43
305	6.50	4.24	4.81	5.15	5.80	6.46	6.43
309	10.00	7.77	8.15	8.35	8.51	8.57	8.95
311	10.00	6.60	7.27	7.59	7.96	8.14	8.39
313	8.00	4.20	4.72	5.04	5.69	6.40	6.35
317	9.00	6.70	7.52	8.07	9.00	9.01	9.02
323	8.30	4.51	4.97	5.26	5.86	6.44	6.73
325	8.00	4.50	4.92	5.18	5.74	6.35	6.51
327	6.00	4.16	4.65	4.96	5.61	6.28	6.30
329	6.00	4.16	4.65	4.96	5.61	6.27	6.30
339	12.00	8.61	8.70	8.95	9.97	11.27	11.47
341	11.00	6.07	7.25	8.59	11.00	11.00	11.02
347	8.00	4.52	5.08	5.37	8.00	8.00	8.00
349	8.00	4.38	4.84	5.01	5.17	5.45	5.58
351	5.00	4.07	4.48	4.75	5.00	5.08	5.17
354	9.20	6.45	7.28	9.20	9.20	9.21	9.20
355	7.80	4.77	5.42	6.16	6.26	6.79	7.15
363	10.00	4.74	5.34	5.70	6.09	6.55	6.97
367	8.80	4.74	5.30	5.67	6.01	6.42	6.78
369	7.80	4.65	5.03	5.25	5.47	5.67	5.83
371	6.00	4.07	4.46	4.73	4.98	5.06	5.15
375	5.00	4.07	4.46	4.73	4.98	5.06	5.15
379	10.60	7.12	10.19	10.60	10.61	10.61	10.62
381	10.20	6.92	9.79	10.20	10.21	10.22	10.23

Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)

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)
387	9.40	6.42	8.76	9.23	9.40	9.40	9.41
389	10.00	5.98	7.94	10.00	10.00	10.00	9.90
391	7.80	5.87	7.67	7.80	7.81	7.82	7.84
395	8.70	4.95	6.00	6.31	6.45	6.48	6.52
399	5.00	4.09	4.47	4.73	5.01	5.08	5.16
401	5.00	4.06	4.46	4.72	4.97	5.05	5.14
403	14.00	14.01	14.02	14.03	14.05	14.08	14.11
404	14.00	13.80	13.94	14.00	14.00	14.00	14.01
405	14.00	13.67	13.89	14.00	14.00	14.00	14.01
406	12.50	10.09	10.10	10.11	10.24	10.30	10.35
407	13.63	11.16	11.79	12.18	12.62	13.16	13.64
408	13.95	11.12	11.63	11.95	12.47	13.42	13.95
409	13.21	11.08	11.68	12.01	12.39	12.80	13.21
410	13.64	11.08	11.64	11.98	12.39	12.83	13.55
411	14.02	11.08	11.64	11.96	12.55	13.86	14.02
412	13.73	11.08	11.69	12.07	12.59	12.78	13.29
413	15.03	11.06	11.63	11.96	12.54	13.88	14.22
414	13.23	11.08	11.68	12.07	12.59	12.78	13.23
415	12.24	7.96	8.32	8.87	9.55	9.79	10.01
416	12.96	11.08	11.68	12.07	12.60	12.74	12.89
417	12.08	6.28	7.35	8.30	8.95	9.15	9.30
419	11.22	5.94	7.11	8.08	8.63	8.78	8.90
421	10.00	5.87	7.03	7.96	8.42	8.52	8.59
423	8.20	5.17	6.69	7.77	8.21	8.24	8.27
425	8.20	5.13	6.62	7.67	8.15	8.20	8.20
427	8.00	4.02	4.38	4.61	4.87	4.97	5.06
429	7.00	4.02	4.37	4.61	4.86	4.94	5.04
435	8.00	4.73	5.04	5.19	5.36	5.54	5.69
437	6.61	3.98	4.30	4.52	4.76	4.86	4.95
439	6.61	3.98	4.30	4.52	4.76	4.86	4.95
441	6.61	3.97	4.28	4.48	4.72	4.82	4.92
445	6.00	3.96	4.26	4.46	4.69	4.80	4.89
449	9.20	4.45	5.56	6.47	7.70	9.20	9.21
451	9.20	4.33	5.26	6.04	7.06	8.31	8.37
455	8.00	3.96	4.25	4.45	4.69	4.79	4.89
457	8.00	3.96	4.25	4.45	4.69	4.79	4.89
461	7.96	3.93	4.19	4.37	4.60	4.72	4.82
463	5.00	3.92	4.19	4.37	4.60	4.72	4.81
475	16.00	11.33	12.38	13.17	14.07	14.95	15.73

Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)

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)
479	14.20	11.54	12.29	13.06	13.94	14.37	14.60
481	16.30	11.04	12.29	13.05	13.94	14.40	14.68
485	16.70	11.03	12.29	13.05	13.94	14.43	14.78
487	18.49	18.49	18.50	18.50	18.51	18.52	18.53
489	16.90	15.91	16.90	16.90	16.91	16.91	16.92
491	16.78	11.02	12.26	13.03	13.91	14.45	14.87
493	17.13	11.02	12.26	13.02	13.90	14.45	14.87
497	18.00	13.61	13.81	13.91	14.09	14.41	14.82
499	17.82	11.35	12.11	14.45	13.71	14.30	14.78
501	17.90	10.94	12.11	14.16	13.71	14.30	14.79
503	17.40	10.92	12.11	14.21	13.71	14.30	14.79
507	17.00	10.61	11.85	12.74	13.38	14.01	14.62
509	15.30	10.56	11.82	12.67	13.33	13.97	14.60
511	15.10	10.56	11.81	12.65	13.32	13.96	14.59
517	16.00	14.20	15.34	15.62	15.95	16.00	16.01
518	15.00	14.14	15.01	15.03	15.05	15.09	15.12
519	16.00	14.08	15.08	15.19	15.26	15.29	15.29
521	15.70	13.40	14.93	15.28	15.70	15.71	15.72
523	14.80	12.29	12.80	12.91	13.47	14.08	14.54
525	14.40	11.55	11.95	12.49	13.32	13.96	14.41
527	18.45	12.86	16.26	18.45	18.46	18.47	18.48
533	16.50	10.46	11.71	12.42	13.18	13.83	14.35
537	16.00	10.31	11.30	11.82	12.34	12.46	12.52
539	16.00	10.32	11.31	11.83	12.36	12.47	12.54
545	13.30	11.09	11.63	11.96	12.37	12.81	13.14
547	13.63	11.06	11.60	11.92	12.30	12.70	13.16
551	13.53	11.09	11.68	12.03	12.51	13.20	13.34
552	14.13	11.09	11.69	12.05	12.54	12.73	13.38
553	14.13	11.09	11.69	12.06	12.55	12.74	13.43
555	13.11	11.09	11.63	11.96	12.37	12.82	13.14
565	13.08	11.33	12.09	12.59	13.08	13.10	13.12
567	13.30	11.19	11.76	12.13	12.80	12.88	13.06
568	13.30	11.07	11.68	12.07	12.60	12.74	12.86
571	13.30	10.62	11.46	11.93	12.49	12.62	12.69
573	13.70	10.59	11.44	11.90	12.43	12.55	12.64
575	13.20	10.54	11.47	11.98	12.60	13.15	13.20
579	13.70	10.52	11.41	11.89	12.41	12.52	12.62
585	13.60	10.38	11.34	11.84	12.35	12.42	12.47
587	14.00	10.38	11.33	11.83	12.33	12.38	12.42

Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)

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	12.30	10.36	11.32	11.81	12.30	12.35	12.40
593	12.30	10.36	11.30	11.79	12.28	12.31	12.36
599	12.20	10.27	11.22	11.70	12.20	12.23	12.27
603	13.00	10.06	11.01	11.50	12.01	12.11	12.18
605	13.00	10.04	10.99	11.46	11.96	12.08	12.15
609	14.00	9.86	11.34	12.21	13.25	14.00	14.01
611	13.00	9.76	10.70	11.18	11.68	11.88	11.99
614	12.00	9.79	11.57	12.00	12.01	12.02	12.03
615	12.50	9.33	10.24	10.73	11.23	11.51	11.70
617	14.00	7.76	8.95	9.61	10.23	10.62	10.91
619	13.00	7.68	8.82	9.36	9.87	10.22	10.49
629	14.64	11.00	11.49	11.75	12.05	12.40	12.86
631	14.85	11.27	11.84	12.15	12.52	12.94	13.56
633	14.85	11.24	11.80	12.08	12.40	12.78	13.35
635	12.90	10.27	10.88	11.25	11.68	12.17	12.63
639	12.90	10.26	10.87	11.23	11.65	12.13	12.59
641	12.50	10.04	10.39	10.61	10.90	11.25	11.57
645	13.60	10.16	10.47	10.63	10.83	11.16	11.48
647	13.90	10.16	10.46	10.62	10.82	11.14	11.46
653	12.00	7.49	8.66	9.19	9.73	10.14	10.47
655	14.50	7.42	8.59	9.14	9.66	10.03	10.34
659	14.00	7.17	8.32	8.85	9.37	9.76	10.09
661	12.00	6.96	8.09	8.61	9.13	9.51	9.86
665	9.00	5.72	6.74	7.23	7.73	8.13	8.43
667	8.00	4.93	5.79	6.23	6.70	7.13	7.41
669	8.00	4.41	5.13	5.53	5.99	6.48	6.78
671	7.16	4.36	5.04	5.42	5.83	6.23	6.48
673	6.63	4.07	4.53	4.83	5.19	5.51	5.66
675	5.13	4.02	4.39	4.62	4.88	5.10	5.19
679	4.00	3.89	4.11	4.26	4.46	4.58	4.68
689	18.80	13.52	14.03	14.30	14.59	14.86	16.61
693	16.00	12.49	13.12	13.52	13.98	14.52	15.23
694	15.16	11.19	12.39	13.48	14.29	14.81	15.16
695	18.13	10.66	12.37	13.57	14.59	15.31	15.91
697	17.90	10.60	12.34	13.64	14.83	15.69	16.46
699	17.70	10.57	12.19	13.75	15.23	16.37	17.46
703	17.70	10.56	12.17	13.75	15.28	16.46	17.59
707	12.66	9.08	10.85	12.66	12.66	12.68	12.72
709	11.50	7.96	9.67	11.50	11.50	11.50	11.50

Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)

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)
711	10.70	7.58	9.01	10.70	10.70	10.70	10.72
715	17.40	13.62	14.18	14.56	16.65	17.41	17.41
717	17.40	13.42	14.01	14.41	16.55	17.34	17.38
721	16.00	11.32	12.26	12.97	15.05	16.01	15.72
723	16.00	11.27	12.10	12.75	14.74	15.80	16.00
727	14.00	9.31	10.39	11.29	12.91	14.00	13.97
729	14.00	8.89	9.98	10.74	12.17	13.15	13.15
737	8.02	7.13	7.57	8.04	8.16	8.29	8.39
743	9.50	6.54	7.48	8.07	8.16	8.29	8.39
744	10.00	7.46	8.42	8.81	9.40	9.79	9.94
749	10.00	7.29	8.29	8.73	9.23	9.63	9.78
751	11.00	9.15	10.16	10.76	11.00	11.01	11.02
753	10.00	6.89	8.00	8.50	8.99	9.47	9.59
763	12.50	10.23	12.50	12.51	12.52	12.54	12.56
765	12.00	9.63	10.08	10.37	10.72	11.08	11.33
766	12.50	8.93	12.50	11.41	12.50	11.87	12.50
769	10.80	8.90	10.42	10.14	10.69	10.80	10.80
771	10.80	8.83	10.25	10.03	10.52	10.71	10.80
775	10.00	8.28	8.93	9.10	9.75	9.99	10.00
779	8.40	6.51	7.31	7.84	8.28	8.57	8.70
780	9.20	6.49	7.30	7.83	8.27	8.58	8.70
781	10.00	6.69	7.87	8.39	8.91	9.38	9.49
783	10.00	6.61	7.69	8.18	8.64	9.05	9.11
785	9.00	6.54	7.64	8.13	8.62	9.01	9.07
786	12.00	10.17	12.00	12.00	12.00	12.00	12.01
787	12.02	9.98	12.02	12.02	12.02	12.02	12.02
789	9.00	6.37	7.52	8.04	8.56	8.93	8.99
790	10.13	8.47	9.28	9.34	9.51	10.13	10.13
791	8.00	6.10	7.03	7.36	7.74	8.01	8.05
793	8.00	5.96	6.90	7.24	7.63	7.91	7.95
795	8.00	5.88	6.69	6.99	7.33	7.58	7.65
796	10.50	8.25	8.86	8.96	9.13	9.33	9.63
797	10.73	8.12	8.73	8.82	9.00	9.16	9.40
798	8.00	5.55	6.35	6.65	7.01	7.30	7.41
799	8.00	5.07	5.84	6.18	6.57	6.93	7.10
801	8.00	5.04	5.80	6.11	6.48	6.83	7.01
805	8.00	4.90	5.62	5.94	6.32	6.69	6.88
807	8.68	4.84	5.54	5.83	6.16	6.50	6.69
813	8.00	4.67	5.32	5.61	5.94	6.30	6.49

Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)

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)
815	10.23	4.58	5.20	5.49	5.82	6.20	6.37
817	8.28	4.39	4.84	5.06	5.31	5.58	5.79
819	4.00	4.14	4.51	4.75	4.98	5.24	5.40
821	3.60	3.81	3.95	4.06	4.18	4.27	4.34
825	5.00	3.73	3.80	3.84	3.91	3.95	3.99
827	4.50	3.73	3.79	3.82	3.89	3.93	3.97
829	4.50	3.73	3.79	3.82	3.88	3.92	3.96
830	4.30	3.72	3.78	3.80	3.85	3.89	3.92
831	6.00	3.70	3.75	3.77	3.79	3.82	3.85
832	4.30	3.71	3.76	3.78	3.82	3.85	3.88
833	6.00	3.70	3.74	3.76	3.79	3.82	3.84
847	6.60	4.60	5.79	6.60	6.61	6.63	6.65
855	5.80	4.01	4.31	4.49	4.72	4.98	5.17
859	5.41	3.92	4.15	4.29	4.46	4.63	4.77
863	5.47	3.79	3.94	4.02	4.12	4.22	4.32
865	5.47	3.77	3.87	3.94	4.01	4.10	4.17
867	6.00	3.71	3.77	3.81	3.84	3.89	3.93
869	6.00	3.69	3.74	3.76	3.79	3.82	3.85
873	4.00	3.69	3.73	3.75	3.77	3.80	3.82
877	3.60	3.67	3.70	3.72	3.74	3.76	3.78
879	4.00	3.66	3.68	3.70	3.72	3.73	3.75
883	4.10	4.11	4.12	4.13	4.14	4.16	4.18
885	4.50	3.66	3.69	3.71	3.72	3.74	3.76
889	4.00	3.65	3.68	3.69	3.71	3.73	3.75
891	4.00	3.65	3.68	3.69	3.71	3.73	3.74
895	4.00	3.65	3.67	3.68	3.70	3.72	3.73
901	7.10	4.23	4.64	4.86	5.10	5.37	5.65
903	6.00	3.83	4.13	4.34	4.61	4.95	5.29
905	6.00	3.73	3.88	3.97	4.08	4.21	4.32
907	4.00	3.62	3.64	3.65	3.66	3.67	3.68
913	3.60	3.62	3.63	3.64	3.65	3.65	3.66
915	4.00	3.62	3.62	3.63	3.63	3.64	3.65
929	7.50	4.94	5.42	5.66	5.92	6.23	6.52
933	6.20	4.41	4.93	5.22	5.55	5.95	6.21
935	6.20	4.38	4.89	5.17	5.50	5.89	6.20
937	5.99	4.29	4.80	5.09	5.42	5.82	6.19
943	6.40	4.11	4.52	4.75	4.99	5.24	5.44
947	5.50	4.01	4.37	4.57	4.80	5.05	5.25
953	5.00	3.68	3.77	3.84	3.92	3.99	4.05

Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)

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)
955	6.00	3.62	3.64	3.65	3.66	3.67	3.68
960	6.00	4.32	4.80	5.10	5.46	5.87	6.03
961	7.00	4.09	4.41	4.59	4.82	5.10	5.35
962	5.00	4.01	4.27	4.42	4.59	4.80	5.00
963	10.00	4.00	4.26	4.41	4.58	4.79	5.00
965	7.00	3.89	4.12	4.27	4.46	4.69	4.92
969	6.13	3.89	4.12	4.27	4.45	4.69	4.91
971	5.73	3.64	3.66	3.68	3.70	3.72	3.74
973	5.90	3.64	3.66	3.68	3.70	3.72	3.74
974	6.10	3.62	3.63	3.64	3.65	3.66	3.67
975	6.10	3.62	3.63	3.64	3.65	3.66	3.66
977	6.00	3.62	3.63	3.64	3.65	3.65	3.66
983	4.50	3.62	3.63	3.64	3.64	3.65	3.66
987	4.00	3.61	3.62	3.62	3.63	3.63	3.64
991	7.00	3.60	3.61	3.61	3.61	3.61	3.61