



# Appendix C

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## 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**

Vertical Datum: NAVD 1988 Adjustment

*Red Numbers* indicate upstream flooding should be considered.

*Blue Shaded Numbers* indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node.

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)
100	21.50	19.23	20.08	20.48	20.64	20.84	21.01
102	20.50	19.21	20.06	20.45	<b>20.50</b>	<b>20.50</b>	<b>20.50</b>
104	19.10	18.97	<b>19.10</b>	<b>19.10</b>	<b>19.10</b>	<b>19.10</b>	<b>19.10</b>
106	19.83	18.99	<b>19.83</b>	<b>19.83</b>	<b>19.83</b>	<b>19.83</b>	<b>19.83</b>
108	19.20	16.54	17.06	17.32	17.60	17.89	18.16
110	19.85	18.68	19.69	19.81	<b>19.85</b>	<b>19.85</b>	<b>19.85</b>
112	20.50	17.90	19.35	19.39	19.44	19.52	19.65
114	19.30	17.86	<b>19.30</b>	<b>19.30</b>	<b>19.30</b>	<b>19.30</b>	<b>19.30</b>
116	19.30	16.64	16.94	16.94	16.94	16.94	16.94
118	19.50	13.39	14.12	14.59	15.11	15.73	16.31
120	20.30	16.61	16.91	16.91	16.91	16.91	16.91
122	19.10	19.07	19.07	19.07	19.07	19.07	19.07
124	20.30	16.47	16.94	17.00	17.05	17.07	17.08
126	18.10	16.46	16.93	16.99	17.04	17.07	17.07
128	18.10	16.02	16.28	16.31	16.34	16.35	16.35
130	18.00	15.08	15.29	15.32	15.34	15.35	15.35
132	18.30	16.47	16.94	17.00	17.05	17.08	17.08
134	18.30	17.00	17.55	17.85	18.17	<b>18.30</b>	<b>18.30</b>
136	19.00	19.00	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>
138	19.20	17.88	18.13	18.27	18.45	18.91	<b>19.20</b>
140	19.70	16.97	17.51	17.78	18.07	18.27	18.36
142	19.30	19.01	19.01	19.02	19.02	19.02	19.01
144	18.57	15.99	16.34	16.53	16.74	16.97	17.13
146	19.35	19.02	19.02	19.02	19.02	19.02	19.01
148	19.50	19.02	19.02	19.02	19.02	19.01	19.01
150	16.20	15.31	15.44	15.52	15.61	15.70	15.78
152	19.50	19.05	19.03	19.02	19.01	19.00	19.00
154	16.00	13.24	13.59	13.78	13.95	14.11	14.24
156	20.20	18.01	18.00	18.00	18.00	18.09	18.09
158	18.00	17.89	17.89	17.88	17.89	<b>18.00</b>	<b>18.00</b>
160	19.10	19.10	<b>19.10</b>	<b>19.10</b>	<b>19.10</b>	<b>19.10</b>	<b>19.10</b>
162	18.80	16.38	16.49	16.59	16.74	16.97	17.19
164	19.10	19.10	<b>19.10</b>	<b>19.10</b>	<b>19.10</b>	<b>19.10</b>	<b>19.10</b>
166	19.00	19.00	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>
168	19.20	13.37	14.09	14.57	15.08	15.69	16.25
170	19.00	12.90	13.89	14.43	15.00	15.65	16.21
172	18.80	14.62	14.88	14.99	15.10	15.63	16.20
174	18.80	14.73	15.00	15.14	15.29	15.46	15.74
176	18.00	14.74	15.01	15.15	15.30	15.47	15.73
178	18.40	16.24	16.37	16.50	16.68	16.94	17.17
180	18.00	16.15	16.31	16.44	16.64	16.91	17.16

**Table C-1. Existing Conditions Peak Water Surface Elevations**

Vertical Datum: NAVD 1988 Adjustment

*Red Numbers* indicate upstream flooding should be considered.

*Blue Shaded Numbers* indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node.

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)
182	19.50	14.71	14.96	15.09	15.24	15.40	15.63
184	18.80	16.14	16.30	16.44	16.63	16.91	17.16
186	17.78	13.80	14.29	14.50	14.75	15.00	15.22
188	19.00	14.75	14.79	14.92	15.22	15.73	16.26
190	15.20	12.52	12.80	12.95	13.10	13.25	13.40
192	15.30	11.53	11.90	12.09	12.29	12.50	12.74
194	19.40	14.53	14.57	14.77	15.16	15.71	16.26
196	14.40	11.08	11.54	11.78	12.05	12.34	12.70
198	19.00	13.83	14.17	14.60	15.09	15.69	16.25
200	15.00	11.07	11.52	11.77	12.03	12.32	12.69
202	20.00	13.37	14.09	14.57	15.08	15.69	16.25
204	15.00	11.03	11.51	11.76	12.03	12.32	12.71
206	14.45	11.23	11.68	11.91	12.16	12.46	12.81
208	18.80	14.61	14.84	14.94	15.07	15.65	16.21
210	14.31	11.01	11.49	11.75	12.02	12.31	12.75
212	13.00	10.66	11.07	11.35	11.76	12.21	12.65
214	13.00	10.60	11.04	11.34	11.73	12.13	12.49
216	14.00	10.55	11.04	11.34	11.72	12.10	12.43
218	19.00	14.73	14.99	15.13	15.27	15.44	15.69
220	18.70	14.53	14.67	14.74	15.08	15.67	16.22
222	14.80	10.36	10.65	10.80	11.10	11.59	11.93
224	14.20	8.97	9.89	10.47	11.08	11.56	11.90
226	14.00	8.34	8.92	9.35	9.81	10.25	10.61
228	18.58	14.73	14.99	15.12	15.27	15.43	15.68
230	14.80	12.81	13.34	13.60	13.87	14.13	14.36
232	19.50	14.69	14.93	15.05	15.19	15.36	15.57
234	13.81	10.82	11.07	11.21	11.36	11.53	11.68
236	13.81	10.41	10.64	10.76	10.89	11.02	11.15
238	18.00	14.27	14.46	14.62	14.84	15.06	15.26
240	12.00	7.34	7.98	8.39	8.84	9.31	9.71
242	10.50	7.19	7.85	8.24	8.66	9.10	9.48
244	10.50	7.19	7.84	8.23	8.62	8.98	9.27
246	15.50	11.64	12.12	12.35	12.60	12.86	13.10
250	17.00	14.29	14.45	14.53	14.61	14.68	14.75
252	13.00	10.32	10.62	10.80	11.02	11.33	11.74
254	12.00	9.92	10.30	10.50	10.73	11.03	11.29
256	12.00	9.67	10.00	10.16	10.34	10.49	10.62
258	12.00	9.65	9.94	10.06	10.17	10.24	10.31
260	14.00	7.07	7.75	8.12	8.46	8.77	8.99
270	13.10	11.09	11.60	12.02	12.58	12.78	13.01
274	12.00	9.87	10.94	11.69	<b>12.00</b>	<b>12.00</b>	<b>12.00</b>

**Table C-1. Existing Conditions Peak Water Surface Elevations**

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*Red Numbers* indicate upstream flooding should be considered.

*Blue Shaded Numbers* indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node.

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)
276	12.10	8.64	9.11	9.68	10.08	10.33	10.34
278	12.15	8.64	9.24	9.53	9.82	10.04	10.04
280	16.00	13.87	14.14	14.29	14.45	14.68	14.91
284	16.20	13.23	13.91	14.12	14.25	14.49	14.72
288	16.50	14.98	15.15	15.23	15.33	15.44	15.54
290	14.00	13.03	13.87	<b>14.00</b>	<b>14.00</b>	<b>14.00</b>	<b>14.00</b>
294	14.50	11.79	12.37	12.74	13.27	13.92	<b>14.50</b>
296	14.50	11.48	11.88	12.08	12.27	12.47	12.63
300	10.00	8.43	9.14	9.47	9.77	<b>10.00</b>	<b>10.00</b>
302	10.00	8.27	9.00	9.31	9.59	9.79	9.80
304	10.00	8.20	8.81	9.05	9.25	9.39	9.40
310	9.28	6.42	7.02	7.28	7.63	7.88	8.01
312	9.64	6.39	6.97	7.21	7.42	7.61	7.71
316	12.00	5.74	6.00	6.10	6.41	6.93	7.35
320	15.00	8.75	8.97	9.09	9.21	9.34	9.46
322	15.00	7.14	7.19	7.21	7.24	7.27	7.30
324	12.00	4.53	5.08	5.59	6.15	6.68	7.09
330	16.00	14.68	15.40	15.87	<b>16.00</b>	<b>16.00</b>	<b>16.00</b>
332	16.40	13.50	13.69	13.79	13.81	13.81	13.81
334	15.80	12.03	12.60	12.97	13.21	13.37	13.53
340	13.50	11.71	12.17	12.39	12.57	12.73	12.87
344	13.20	8.54	9.01	9.27	9.56	9.86	10.16
346	13.20	7.71	7.99	8.13	8.24	8.35	8.44
348	9.00	3.59	4.09	4.33	4.83	5.38	5.86
350	17.50	16.65	16.92	17.05	17.19	17.34	<b>17.50</b>
354	12.50	3.42	3.86	4.03	4.42	4.86	5.29
360	14.00	2.40	2.96	3.34	3.83	4.38	4.91
398	5.26	1.92	2.51	2.94	3.50	4.11	4.63
400	5.26	1.91	2.50	2.92	3.47	4.04	4.50
404	16.50	15.38	15.57	15.84	16.26	16.45	<b>16.50</b>
406	19.00	19.00	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>
408	16.50	15.70	15.87	16.12	<b>16.50</b>	<b>16.50</b>	<b>16.50</b>
410	16.50	14.57	15.01	15.25	15.63	16.08	16.30
412	21.13	14.67	15.34	15.70	16.18	16.72	17.08
414	16.50	14.65	15.07	15.32	15.77	16.23	16.39
416	16.50	14.69	15.09	15.34	15.83	16.36	<b>16.50</b>
418	22.13	14.60	15.16	15.54	16.03	16.58	16.86
420	16.50	14.43	14.98	15.33	15.84	16.41	<b>16.50</b>
426	16.50	14.08	14.87	15.33	15.84	16.41	<b>16.50</b>
428	19.13	14.35	15.06	15.48	15.99	16.56	16.83
430	20.23	13.94	14.86	15.32	15.84	16.41	16.61

**Table C-1. Existing Conditions Peak Water Surface Elevations**

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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)
432	22.13	14.34	14.99	15.41	15.89	16.44	16.64
434	18.00	13.64	14.66	15.18	15.73	16.34	16.60
436	19.00	14.41	14.61	15.12	15.69	16.31	16.60
438	19.13	15.02	15.60	16.06	16.65	17.33	17.92
440	18.00	13.51	14.59	15.12	15.69	16.31	16.59
442	18.00	13.32	14.45	15.00	15.59	16.23	16.56
444	22.13	14.34	15.02	15.45	15.97	16.55	16.82
448	20.13	14.85	15.52	16.03	16.64	17.33	17.92
450	20.23	13.09	14.15	14.74	15.36	16.04	16.49
452	20.23	13.24	14.14	14.70	15.28	15.93	16.40
458	19.13	14.36	15.44	16.00	16.62	17.32	17.92
460	20.25	13.14	14.09	14.65	15.24	15.88	16.37
462	20.23	12.76	13.79	14.34	14.92	15.60	16.16
464	18.00	13.83	14.78	15.27	15.80	16.39	16.60
466	16.00	12.13	13.11	13.66	14.27	15.07	<b>16.00</b>
468	16.00	12.10	13.09	13.64	14.25	15.05	<b>16.00</b>
470	15.50	11.98	13.03	13.58	14.19	15.01	<b>15.50</b>
472	15.50	11.99	13.04	13.58	14.19	15.01	<b>15.50</b>
474	16.00	11.98	13.03	13.58	14.19	15.01	15.84
476	14.30	10.47	11.28	11.85	12.74	13.67	14.24
478	14.40	10.43	11.24	11.80	12.65	13.53	14.09
480	16.50	11.90	12.46	12.80	13.21	13.74	14.29
482	16.00	11.78	12.32	12.63	12.95	13.29	13.67
484	14.50	11.80	12.20	12.48	12.82	13.17	13.59
486	15.25	10.95	11.28	11.55	11.88	12.43	13.06
488	15.25	10.39	10.67	10.90	11.44	12.15	12.81
492	14.00	8.44	9.79	10.56	11.31	12.04	12.67
494	14.00	8.33	9.72	10.39	10.99	11.49	11.87
496	13.70	8.48	10.08	10.97	11.86	12.72	13.29
498	13.70	8.38	9.76	10.44	11.04	11.54	11.91
500	13.00	8.32	9.72	10.39	10.99	11.49	11.87
504	19.50	17.15	17.45	17.60	17.75	17.90	18.04
510	20.00	19.43	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>
512	18.68	18.68	<b>18.68</b>	<b>18.68</b>	<b>18.68</b>	<b>18.68</b>	<b>18.68</b>
514	18.68	17.52	17.65	17.74	17.87	17.96	17.99
516	18.68	16.24	16.62	16.81	17.05	17.25	17.29
518	17.20	16.20	16.60	16.79	17.04	<b>17.20</b>	<b>17.20</b>
520	15.50	14.34	14.76	14.93	15.10	15.26	15.37
524	15.30	13.02	13.71	14.23	14.31	14.38	14.43
526	14.00	12.17	13.51	<b>14.00</b>	<b>14.00</b>	<b>14.00</b>	<b>14.00</b>
528	14.00	11.41	11.80	11.91	11.91	11.91	12.06

**Table C-1. Existing Conditions Peak Water Surface Elevations**

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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)
530	14.00	10.28	10.67	10.83	10.89	11.26	11.62
534	12.00	8.03	9.43	10.09	10.67	11.15	11.53
538	20.00	17.08	17.39	17.56	17.73	17.91	18.08
540	16.30	15.29	15.59	15.78	16.04	<b>16.30</b>	<b>16.30</b>
544	21.30	17.30	17.64	18.18	18.97	19.74	19.90
546	22.50	16.81	17.55	18.15	18.95	19.72	19.86
548	22.50	16.74	17.53	18.13	18.91	19.61	19.61
550	19.60	16.73	17.52	18.12	18.91	<b>19.60</b>	<b>19.60</b>
552	19.60	16.63	17.41	17.91	18.57	19.29	<b>19.60</b>
554	20.50	18.76	<b>20.50</b>	<b>20.50</b>	<b>20.50</b>	<b>20.50</b>	<b>20.50</b>
556	20.00	16.72	17.41	17.87	18.54	19.27	19.60
558	20.00	16.55	17.18	17.53	18.05	18.62	18.86
560	20.00	16.53	17.17	17.52	18.05	18.61	18.86
562	20.00	16.25	16.69	16.91	17.22	17.54	17.69
564	20.00	16.24	16.68	16.90	17.22	17.54	17.69
566	20.00	16.10	16.39	16.52	16.68	16.85	16.94
568	18.50	15.54	15.89	16.06	16.22	16.40	16.55
570	18.50	15.50	15.84	16.00	16.15	16.31	16.44
574	19.10	14.74	15.09	15.25	15.41	15.58	15.73
576	19.10	13.72	13.95	14.22	14.39	14.50	14.59
578	16.70	12.68	13.49	14.08	14.23	14.31	14.39
580	16.70	12.55	13.46	14.06	14.20	14.27	14.33
582	15.40	12.43	13.41	14.03	14.16	14.22	14.28
584	15.40	12.39	13.39	13.99	14.10	14.13	14.16
586	15.60	12.30	13.49	14.26	14.95	15.41	15.41
588	15.60	12.27	13.33	13.94	14.03	14.05	14.06
590	14.00	12.27	13.33	13.93	<b>14.00</b>	<b>14.00</b>	<b>14.00</b>
594	22.13	18.56	19.05	19.33	19.69	19.87	20.11
596	22.13	18.56	19.04	19.31	19.67	19.83	20.00
600	19.86	18.62	19.23	19.57	<b>19.86</b>	<b>19.86</b>	<b>19.86</b>
602	20.13	18.55	19.03	19.30	19.65	19.81	19.93
604	20.13	18.24	18.63	18.86	19.31	19.52	19.74
606	21.50	20.54	20.88	21.06	21.27	<b>21.50</b>	<b>21.50</b>
608	21.40	19.86	20.10	20.23	20.36	20.50	20.56
610	20.00	16.78	17.56	18.33	19.78	<b>20.00</b>	<b>20.00</b>
612	14.00	10.36	11.04	11.43	11.87	12.23	12.39
614	14.00	10.18	10.70	10.94	11.16	11.29	11.35
616	14.00	12.54	13.15	13.46	13.85	<b>14.00</b>	<b>14.00</b>
618	14.00	12.53	13.10	13.37	13.70	13.99	<b>14.00</b>
620	12.00	7.46	8.75	9.33	9.76	10.11	10.45
622	14.30	14.12	<b>14.30</b>	<b>14.30</b>	<b>14.30</b>	<b>14.30</b>	<b>14.30</b>

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*Red Numbers* indicate upstream flooding should be considered.

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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)
624	15.50	12.49	13.23	13.51	13.71	13.92	14.13
626	15.10	12.44	13.09	13.36	13.59	13.84	14.09
628	18.00	15.79	16.06	16.21	16.36	16.53	16.68
630	16.00	12.35	13.02	13.31	13.55	13.82	14.10
632	14.00	12.13	12.37	12.48	12.57	12.67	12.77
634	12.00	12.00	<b>12.00</b>	<b>12.00</b>	<b>12.00</b>	<b>12.00</b>	<b>12.00</b>
636	11.00	8.88	8.88	8.92	8.92	9.09	9.33
640	12.00	10.20	10.83	11.94	11.91	<b>12.00</b>	<b>12.00</b>
642	12.00	8.91	9.17	9.30	9.44	9.45	9.45
644	11.00	6.65	7.69	8.19	8.64	9.03	9.30
646	11.00	6.65	7.67	8.18	8.62	9.00	9.28
650	16.00	13.27	13.96	14.39	14.93	15.58	<b>16.00</b>
652	16.00	12.95	13.81	14.30	14.84	15.52	<b>16.00</b>
654	16.00	12.78	13.42	13.75	14.09	14.45	14.81
656	16.00	12.68	13.33	13.65	14.00	14.38	14.77
658	15.00	12.28	12.93	13.27	13.64	14.06	14.51
660	15.00	10.91	11.34	11.55	11.83	12.11	12.34
670	14.00	9.89	10.55	10.87	11.20	11.54	11.82
672	12.00	7.36	8.09	8.48	8.90	9.32	9.74
674	12.00	7.14	7.73	8.01	8.30	8.60	8.81
676	14.00	5.93	6.85	7.29	7.69	8.05	8.30
680	11.80	9.62	9.95	10.47	10.59	10.68	10.78
682	10.28	8.13	9.62	<b>10.28</b>	<b>10.28</b>	<b>10.28</b>	<b>10.28</b>
684	10.30	7.43	7.76	7.88	7.88	7.88	7.88
686	19.13	5.06	5.69	6.04	6.43	6.83	7.14
688	7.90	4.69	5.34	5.71	6.12	6.52	6.83
690	9.14	4.67	5.31	5.69	6.09	6.49	6.80
692	14.00	4.46	5.02	5.34	5.68	6.01	6.25
700	21.60	18.28	18.69	18.91	19.18	19.47	19.77
702	20.60	17.65	18.16	18.48	18.83	19.21	19.58
704	20.60	17.55	18.01	18.23	18.47	18.72	18.94
706	20.00	17.35	17.84	18.08	18.33	18.59	18.83
708	20.40	16.51	17.07	17.33	17.61	17.89	18.13
712	19.60	16.30	16.84	17.10	17.38	17.66	17.89
714	18.60	16.12	16.69	16.96	17.23	17.44	17.60
716	18.00	15.83	16.41	16.68	16.98	17.24	17.42
718	18.00	14.44	14.81	15.00	15.49	16.16	16.57
722	20.10	17.95	18.65	19.01	19.39	19.74	20.03
724	22.00	17.19	17.92	18.28	18.66	19.03	19.31
726	20.00	16.72	17.43	17.79	18.20	18.61	18.91
728	20.00	16.64	17.30	17.62	17.93	18.23	18.47

**Table C-1. Existing Conditions Peak Water Surface Elevations**

Vertical Datum: NAVD 1988 Adjustment

*Red Numbers* indicate upstream flooding should be considered.

*Blue Shaded Numbers* indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node.

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)
730	20.00	18.64	19.33	19.75	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>
732	22.13	13.16	14.11	14.61	15.26	15.98	16.36
734	22.13	13.05	14.00	14.60	15.25	15.96	16.33
736	18.00	12.89	13.98	14.58	15.24	15.95	16.31
740	20.00	17.70	17.93	18.04	18.17	18.30	18.41
742	20.00	12.86	13.94	14.55	15.21	15.94	16.32
744	20.00	12.85	13.93	14.54	15.20	15.91	16.26
746	18.00	12.84	13.91	14.52	15.18	15.90	16.23
748	18.00	12.81	13.81	14.35	14.92	15.53	15.60
750	20.00	17.18	17.40	17.51	17.63	17.74	17.85
752	16.00	13.67	14.02	14.33	14.90	15.52	15.60
754	16.00	13.04	13.79	14.32	14.90	15.51	15.57
756	16.00	12.80	13.79	14.32	14.90	15.51	15.56
760	18.00	15.88	16.16	16.30	16.45	16.61	16.75
762	17.10	13.05	13.80	14.33	14.91	15.54	15.62
766	17.10	12.80	13.79	14.32	14.90	15.50	15.53
770	19.63	15.29	15.62	15.71	15.80	15.96	16.05
772	19.63	14.79	15.61	15.70	15.78	15.88	15.95
776	19.13	17.74	<b>19.13</b>	<b>19.13</b>	<b>19.13</b>	<b>19.13</b>	<b>19.13</b>
778	19.13	16.47	16.74	16.87	16.89	16.90	16.91
780	15.50	14.84	<b>15.50</b>	<b>15.50</b>	<b>15.50</b>	<b>15.50</b>	<b>15.50</b>
782	15.50	12.80	13.79	14.32	14.90	<b>15.50</b>	<b>15.50</b>
784	15.50	12.80	13.79	14.32	14.90	<b>15.50</b>	<b>15.50</b>
786	15.50	11.86	12.72	13.22	13.74	14.20	14.29
788	15.20	11.73	12.69	13.19	13.71	14.14	14.23
790	15.20	11.73	12.69	13.19	13.71	14.14	14.22
794	18.90	18.53	<b>18.90</b>	<b>18.90</b>	<b>18.90</b>	<b>18.90</b>	<b>18.90</b>
800	18.10	16.32	16.85	17.01	17.18	17.42	17.76
802	18.30	15.82	16.39	16.52	16.82	17.22	17.61
804	18.30	14.51	15.23	15.55	15.90	16.27	16.50
806	18.65	14.40	15.16	15.49	15.84	16.22	16.45
808	18.65	14.39	15.13	15.45	15.78	16.14	16.30
814	16.00	14.21	14.93	15.25	15.58	15.95	<b>16.00</b>
816	18.13	14.04	14.71	15.02	15.33	15.72	15.85
818	18.13	14.04	14.71	15.02	15.33	15.72	15.85
820	15.62	13.91	14.50	14.77	15.05	15.45	<b>15.62</b>
822	15.62	13.91	14.49	14.76	15.03	15.43	15.60
824	18.80	18.16	18.55	18.74	<b>18.80</b>	<b>18.80</b>	<b>18.80</b>
826	19.00	17.40	17.82	18.03	18.20	18.24	18.26
828	19.00	17.40	17.79	17.99	18.14	18.18	18.19
832	17.20	11.44	12.22	12.59	12.93	13.21	13.38



**Table C-1. Existing Conditions Peak Water Surface Elevations**

Vertical Datum: NAVD 1988 Adjustment

*Red Numbers* indicate upstream flooding should be considered.

*Blue Shaded Numbers* indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node.

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)
836	16.00	9.91	10.46	10.71	10.98	11.41	11.74
840	16.00	12.25	12.44	12.54	12.64	12.74	12.83
842	12.37	10.46	11.01	11.33	11.69	12.18	<b>12.37</b>
844	12.37	9.05	9.50	9.81	10.21	10.81	11.30
850	12.36	9.04	9.50	9.81	10.21	10.81	11.30
852	13.00	8.44	9.07	9.47	9.98	10.67	11.21
854	13.00	8.38	8.85	9.09	9.32	9.58	9.74
856	16.00	6.80	7.32	7.60	7.91	8.22	8.40
860	17.50	15.60	15.85	15.98	16.15	16.58	16.97
862	18.00	15.03	15.46	15.67	15.96	16.39	16.75
864	18.00	14.23	15.18	15.33	15.57	15.71	15.80
866	15.50	14.23	15.18	15.31	15.43	<b>15.50</b>	<b>15.50</b>
868	15.30	14.23	15.18	<b>15.30</b>	<b>15.30</b>	<b>15.30</b>	<b>15.30</b>
870	15.30	14.23	15.18	<b>15.30</b>	<b>15.30</b>	<b>15.30</b>	<b>15.30</b>
872	16.50	15.30	15.57	15.86	16.42	<b>16.50</b>	<b>16.50</b>
874	16.50	14.23	15.19	<b>16.50</b>	<b>16.50</b>	<b>16.50</b>	<b>16.50</b>
876	16.50	14.23	15.19	15.42	15.52	15.56	15.57
882	15.50	14.23	15.19	15.42	<b>15.50</b>	<b>15.50</b>	<b>15.50</b>
884	15.50	14.23	15.19	15.39	<b>15.50</b>	<b>15.50</b>	<b>15.50</b>
886	15.50	14.23	15.19	15.39	<b>15.50</b>	<b>15.50</b>	<b>15.50</b>
890	16.90	14.23	15.18	15.32	15.36	15.38	15.38
894	16.00	5.19	5.41	5.45	5.46	5.46	5.47
896	12.00	4.29	4.82	5.14	5.52	5.94	6.21
898	10.00	3.66	4.24	4.54	4.86	5.21	5.45
900	16.50	11.26	12.30	12.44	12.46	12.47	12.47
902	10.00	2.35	3.00	3.38	3.79	4.22	4.53
906	10.00	2.20	2.90	3.28	3.66	4.04	4.31
910	5.40	1.26	1.78	2.14	2.56	3.05	3.46
912	5.40	1.25	1.74	2.08	2.47	2.91	3.28
914	16.53	13.15	13.64	13.72	13.79	13.77	13.73
916	16.44	13.02	13.50	13.61	13.70	13.67	13.57
920	19.20	18.52	18.85	19.03	<b>19.20</b>	<b>19.20</b>	<b>19.20</b>
922	18.80	16.08	16.51	16.73	16.86	16.86	16.86
924	18.80	15.06	15.32	15.46	15.55	15.56	15.56
928	14.00	11.94	12.44	12.70	12.90	12.94	12.96
930	16.00	10.79	10.96	11.04	11.10	11.14	11.18
934	10.00	2.81	3.16	3.35	3.55	3.77	3.98
936	10.00	1.68	1.76	2.04	2.42	2.85	3.21
940	5.50	1.23	1.71	2.04	2.42	2.85	3.21
950	10.00	1.11	1.46	1.73	2.07	2.47	2.81
4021	5.26	1.67	2.22	2.63	3.19	3.77	4.26

**Table C-1. Existing Conditions Peak Water Surface Elevations**

Vertical Datum: NAVD 1988 Adjustment

*Red Numbers* indicate upstream flooding should be considered.

*Blue Shaded Numbers* indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node.

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)
4022	5.26	1.38	1.81	2.20	2.79	3.43	3.97
4023	5.26	0.93	0.93	0.93	0.93	0.93	0.93
9501	10.00	1.05	1.30	1.53	1.83	2.20	2.51
9502	10.00	0.99	1.13	1.28	1.52	1.82	2.10
9503	10.00	0.93	0.93	0.93	0.93	0.93	0.93