

Appendix F

Wave Modeling Result Summary

For wave height, positive differences indicate that the wave height is larger, while negative differences indicate a reduction in wave height. For wave angle, positive values indicate that the wave will have a more westerly heading while negative values indicate the waves become more easterly.

North

Station Number	UTM, NAD83 meters, zone 18N		Water Depth (m)	Change in Height (m)		Change in Direction (deg)	
	X	Y		5ft-exist	10ft-exist	5ft-exist	10ft-exist
1	396009	4087636	-3.4	0.00	0.01	0.00	0.00
2	396040	4087518	-1.0	0.00	0.00	0.00	0.00
3	396212	4087583	-3.3	0.00	0.00	0.00	0.00
4	396282	4087433	-1.1	0.00	0.00	0.00	0.00
5	396600	4087532	-5.0	0.00	0.00	0.00	1.00
6	396613	4087377	-1.1	0.00	0.00	0.00	0.00
7	396945	4087477	-5.7	0.00	0.00	0.00	0.00
8	396973	4087323	-1.2	0.00	0.00	0.00	0.00
9	397257	4087398	-5.6	0.01	0.01	0.00	0.00
10	397300	4087231	-1.2	0.00	0.00	0.00	0.00
11	397584	4087320	-4.9	0.00	0.01	0.00	0.00
12	397642	4087140	-1.1	0.01	0.01	1.00	1.00
13	397966	4087247	-3.7	0.02	0.02	0.00	0.00
14	397985	4087035	-1.1	0.00	0.00	0.00	1.00
15	399252	4088530	-10.0	0.00	0.00	0.00	0.00
16	399158	4088231	-9.6	0.00	0.00	0.00	0.00
17	399035	4088007	-8.2	0.00	0.00	0.00	0.00
18	398984	4087868	-7.6	0.00	0.00	0.00	0.00
19	398879	4087682	-6.5	0.00	0.01	0.00	1.00
20	398432	4087117	-3.6	0.02	0.03	1.00	2.00
21	399590	4088404	-10.1	0.00	0.00	0.00	0.00
22	398395	4086965	-1.1	0.00	0.00	0.00	1.00
23	398830	4087436	-5.1	0.01	0.02	2.00	3.00
24	399449	4088143	-9.5	0.00	0.00	0.00	0.00
25	398793	4087284	-5.3	-0.04	-0.08	2.00	3.00
26	399413	4087913	-8.0	0.00	0.00	0.00	0.00
27	398771	4087133	-3.3	0.00	-0.03	2.00	2.00
28	399326	4087763	-7.0	0.02	0.03	1.00	2.00
29	398762	4086997	-2.6	0.15	0.01	9.00	3.00
30	399307	4087584	-6.0	0.03	0.06	0.00	1.00
31	398755	4086833	-1.0	0.00	0.00	5.00	1.00
32	399226	4087364	-4.0	0.01	-0.01	2.00	2.00
33	399975	4088225	-10.4	0.00	0.00	0.00	0.00
34	399208	4087171	-2.5	0.00	0.06	2.00	2.00
35	399164	4087025	-3.4	0.05	0.04	-2.00	2.00
36	399943	4087938	-8.5	0.00	0.00	0.00	0.00
37	399874	4087747	-6.8	0.00	0.01	0.00	0.00
38	399148	4086882	-4.3	0.01	0.00	-1.00	3.00
39	399127	4086795	-3.9	-0.01	-0.01	-2.00	2.00
40	399803	4087507	-4.9	0.08	0.15	3.00	5.00
41	399104	4086630	-1.1	0.00	0.00	1.00	1.00
42	400343	4088072	-9.4	0.00	0.00	0.00	0.00
43	399715	4087293	-3.6	0.15	0.21	4.00	4.00
44	400259	4087816	-7.1	0.01	0.03	1.00	2.00
45	399703	4087030	-3.2	0.04	0.06	4.00	0.00
46	400222	4087586	-5.9	-0.01	-0.01	2.00	3.00

North

47	399623	4086810	-3.8	0.05	-0.03	1.00	3.00
48	400171	4087354	-5.3	0.00	0.00	0.00	1.00
49	399593	4086665	-3.4	0.06	-0.02	0.00	2.00
50	399596	4086545	-3.1	0.04	-0.04	0.00	1.00
51	400742	4087894	-8.7	0.00	0.00	0.00	0.00
52	400114	4087115	-5.1	0.00	-0.02	-2.00	-1.00
53	399566	4086400	-1.0	0.00	0.00	1.00	0.00
54	400638	4087615	-6.6	-0.01	0.00	-1.00	-2.00
55	400078	4086885	-3.9	-0.01	-0.14	-2.00	3.00
56	400581	4087376	-5.9	-0.02	-0.03	-1.00	-2.00
57	400018	4086674	-2.9	-0.01	-0.12	0.00	1.00
58	400987	4087767	-8.4	0.00	0.00	0.00	0.00
59	399966	4086534	-3.2	0.01	-0.04	2.00	-2.00
60	400560	4087133	-6.1	-0.04	-0.05	-2.00	-4.00
61	399943	4086398	-2.5	0.01	-0.02	5.00	-1.00
62	400903	4087511	-7.1	0.02	0.04	-1.00	-3.00
63	399926	4086268	-1.1	0.00	0.00	3.00	0.00
64	400847	4087257	-6.2	0.05	0.08	-2.00	-3.00
65	400546	4086883	-6.3	-0.02	-0.05	-2.00	0.00
66	400522	4086668	-5.6	-0.01	-0.02	-1.00	0.00
67	400849	4086995	-6.6	0.04	0.06	-4.00	-7.00
68	401351	4087578	-8.1	0.00	0.00	0.00	0.00
69	400492	4086446	-4.2	0.01	0.00	-1.00	-2.00
70	400819	4086772	-6.2	0.02	0.03	-1.00	-2.00
71	400467	4086323	-2.2	0.08	0.00	-3.00	-1.00
72	401320	4087292	-7.1	0.01	0.01	0.00	0.00
73	400407	4086204	-3.0	0.10	-0.01	0.00	-1.00
74	400381	4086095	-1.0	0.00	0.00	0.00	-1.00
75	400802	4086551	-4.8	0.00	-0.03	-2.00	-1.00
76	401282	4086997	-7.0	0.00	0.01	0.00	-1.00
77	400754	4086369	-3.6	-0.03	-0.07	-3.00	-1.00
78	400746	4086219	-2.7	-0.09	-0.05	-6.00	0.00
79	401258	4086782	-6.9	0.03	0.04	-2.00	-2.00
80	400707	4086095	-2.2	-0.11	-0.02	-5.00	0.00
81	401232	4086595	-5.9	0.04	0.06	-2.00	-3.00
82	400699	4085946	-0.9	1.01	1.01	-3.00	0.00
83	401210	4086430	-5.0	0.06	0.10	-4.00	-6.00
84	401164	4086235	-3.7	0.03	0.03	-2.00	-3.00
85	401114	4086067	-2.7	0.02	0.00	-2.00	-1.00
86	401071	4085930	-1.7	0.01	0.00	-3.00	0.00
87	401057	4085828	-1.1	0.00	0.00	-2.00	0.00
88	401408	4085859	-1.4	0.01	0.01	-3.00	-4.00
89	401362	4085755	-1.1	0.01	0.01	-2.00	-2.00
90	401802	4085673	-1.6	0.01	0.02	0.00	-1.00
91	401734	4085560	-1.1	0.00	0.00	0.00	-1.00
92	402013	4085457	-1.0	0.00	0.00	0.00	0.00
			max	1.01	1.01	9.00	5.00
			min	-0.11	-0.14	-6.00	-7.00
			avg	0.02	0.02	-0.16	0.01

Northeast

Station Number	UTM, NAD83		Water Dpth (m)	Change in Height (m)		Change in Direction (deg)	
	X	Y		5ft-exist	10ft-exist	5ft-exist	10ft-exist
1	396009	4087636	-3.4	0.00	0.01	0.00	8.84
2	396040	4087518	-1.0	0.00	0.00	0.00	15.74
3	396212	4087583	-3.3	0.00	0.01	0.00	8.84
4	396282	4087433	-1.1	0.00	0.00	0.00	21.62
5	396600	4087532	-5.0	0.00	0.01	0.00	6.88
6	396613	4087377	-1.1	0.00	0.00	0.00	18.67
7	396945	4087477	-5.7	0.01	0.02	0.00	5.91
8	396973	4087323	-1.2	0.00	0.00	1.00	9.84
9	397257	4087398	-5.6	0.01	0.03	1.00	6.91
10	397300	4087231	-1.2	0.00	0.00	0.00	22.62
11	397584	4087320	-4.9	0.02	0.03	0.00	8.86
12	397642	4087140	-1.1	0.00	0.00	0.00	25.56
13	397966	4087247	-3.7	0.02	0.03	1.00	7.90
14	397985	4087035	-1.1	0.00	0.00	1.00	18.69
15	399252	4088530	-10.0	0.00	0.00	0.00	-3.93
16	399158	4088231	-9.6	0.00	0.00	0.00	-1.95
17	399035	4088007	-8.2	0.01	0.01	0.00	0.00
18	398984	4087868	-7.6	0.01	0.02	0.00	1.00
19	398879	4087682	-6.5	0.05	0.10	2.00	3.03
20	398432	4087117	-3.6	-0.01	-0.04	0.00	6.88
21	399590	4088404	-10.1	0.00	0.00	0.00	-3.93
22	398395	4086965	-1.1	0.00	0.00	1.00	7.86
23	398830	4087436	-5.1	-0.02	-0.05	1.00	6.90
24	399449	4088143	-9.5	0.00	0.00	0.00	-2.95
25	398793	4087284	-5.3	-0.03	-0.10	2.00	9.83
26	399413	4087913	-8.0	0.01	0.01	0.00	0.00
27	398771	4087133	-3.3	0.09	-0.05	4.00	12.81
28	399326	4087763	-7.0	0.05	0.07	3.00	2.05
29	398762	4086997	-2.6	0.25	0.01	7.00	4.98
30	399307	4087584	-6.0	0.01	0.03	2.00	4.98
31	398755	4086833	-1.0	0.00	0.00	3.00	10.83
32	399226	4087364	-4.0	0.04	-0.03	5.00	10.84
33	399975	4088225	-10.4	0.00	0.00	0.00	-2.95
34	399208	4087171	-2.5	-0.03	0.02	2.00	2.02
35	399164	4087025	-3.4	-0.04	-0.02	-4.00	-2.93
36	399943	4087938	-8.5	0.01	0.02	1.00	1.00
37	399874	4087747	-6.8	0.03	0.06	2.00	3.00
38	399148	4086882	-4.3	0.05	-0.03	-2.00	0.02
39	399127	4086795	-3.9	0.05	-0.03	-3.00	2.95
40	399803	4087507	-4.9	0.09	0.12	5.00	5.03
41	399104	4086630	-1.1	0.00	0.00	-1.00	7.88
42	400343	4088072	-9.4	0.00	0.00	0.00	-1.97
43	399715	4087293	-3.6	0.08	0.04	5.00	4.00
44	400259	4087816	-7.1	0.05	0.08	3.00	1.07
45	399703	4087030	-3.2	-0.05	0.00	5.00	-3.93
46	400222	4087586	-5.9	0.00	0.00	2.00	2.02
47	399623	4086810	-3.8	0.00	0.00	1.00	1.95

Northeast

48	400171	4087354	-5.3	0.01	0.00	1.00	0.02
49	399593	4086665	-3.4	0.05	-0.03	0.00	4.88
50	399596	4086545	-3.1	0.09	-0.03	2.00	3.91
51	400742	4087894	-8.7	0.00	0.00	0.00	-1.97
52	400114	4087115	-5.1	0.02	0.00	-1.00	-4.93
53	399566	4086400	-1.0	0.00	0.00	1.00	7.86
54	400638	4087615	-6.6	0.00	0.01	0.00	-0.98
55	400078	4086885	-3.9	0.04	-0.07	-1.00	-2.98
56	400581	4087376	-5.9	0.00	-0.01	-1.00	-1.02
57	400018	4086674	-2.9	0.07	-0.03	1.00	1.00
58	400987	4087767	-8.4	0.00	0.00	0.00	-1.97
59	399966	4086534	-3.2	0.07	-0.02	1.00	1.97
60	400560	4087133	-6.1	0.02	0.02	-1.00	-2.98
61	399943	4086398	-2.5	0.06	-0.01	2.00	1.95
62	400903	4087511	-7.1	0.01	0.01	0.00	-1.00
63	399926	4086268	-1.1	0.00	0.00	0.00	8.83
64	400847	4087257	-6.2	0.04	0.07	-3.00	-2.05
65	400546	4086883	-6.3	0.04	0.06	-1.00	-1.97
66	400522	4086668	-5.6	0.05	-0.01	-1.00	-1.00
67	400849	4086995	-6.6	0.07	0.11	-4.00	-2.09
68	401351	4087578	-8.1	0.00	0.00	0.00	-0.98
69	400492	4086446	-4.2	0.04	-0.03	-1.00	1.91
70	400819	4086772	-6.2	0.07	0.11	-2.00	-1.03
71	400467	4086323	-2.2	0.13	-0.01	-2.00	5.86
72	401320	4087292	-7.1	0.00	0.00	0.00	-0.98
73	400407	4086204	-3.0	0.14	0.00	-1.00	5.86
74	400381	4086095	-1.0	0.00	0.00	-1.00	9.81
75	400802	4086551	-4.8	-0.01	-0.01	-4.00	0.88
76	401282	4086997	-7.0	0.00	0.00	0.00	-1.97
77	400754	4086369	-3.6	-0.01	0.02	-3.00	2.91
78	400746	4086219	-2.7	-0.07	0.02	-6.00	3.90
79	401258	4086782	-6.9	0.00	0.01	0.00	-1.97
80	400707	4086095	-2.2	-0.11	0.02	-8.00	8.81
81	401232	4086595	-5.9	0.00	0.01	0.00	-0.02
82	400699	4085946	-0.9	0.01	0.01	-5.00	8.83
83	401210	4086430	-5.0	0.01	0.03	-1.00	1.93
84	401164	4086235	-3.7	0.02	0.02	-1.00	5.86
85	401114	4086067	-2.7	0.01	0.01	-1.00	6.86
86	401071	4085930	-1.7	0.00	0.00	-1.00	13.74
87	401057	4085828	-1.1	0.00	0.00	-1.00	18.65
88	401408	4085859	-1.4	0.01	0.01	-1.00	16.67
89	401362	4085755	-1.1	0.01	0.01	-1.00	11.76
90	401802	4085673	-1.6	0.00	0.00	0.00	15.72
91	401734	4085560	-1.1	0.00	0.00	-1.00	12.76
92	402013	4085457	-1.0	0.00	0.00	0.00	21.62
			max	0.25	0.12	7.00	25.56
			min	-0.11	-0.10	-8.00	-4.93
			average	0.02	0.01	0.04	4.87

	UTM, NAD83			Change in		Change in	
Station	meters		Water Dpth	Height (m)		Direction (deg)	
Number	X	Y	(m)	5ft-exist	10ft-exist	5ft-exist	10ft-exist
2	396040.15	4087518.29	-1.1	0.03	0.04	0.00	0.00
4	396281.86	4087432.96	-1.1	0.00	0.00	0.00	0.00
6	396613.28	4087376.78	-1.1	0.03	0.04	0.00	0.00
8	396972.89	4087323.07	-1.2	0.02	0.02	1.03	1.03
10	397300.35	4087231.05	-1.2	-0.05	0.02	0.00	0.00
12	397641.9	4087140.26	-1.1	0.00	0.00	0.00	-0.97
14	397984.69	4087035.39	-1.1	0.00	0.00	0.97	0.97
22	398395.45	4086964.86	-1.1	0.05	-0.09	2.01	2.01
31	398754.79	4086833.04	-1.0	-0.02	0.00	6.02	0.00
41	399106.2	4086629.55	-1.1	0.00	0.00	-2.01	-0.97
42	400342.82	4088072.17	-8.5	0.03	0.06	1.00	2.00
44	400258.73	4087816.38	-7.0	0.01	0.00	3.00	5.00
46	400222.09	4087586.04	-5.7	0.00	0.00	2.00	3.00
48	400171.37	4087354.47	-5.4	0.02	0.02	2.00	3.00
51	400741.69	4087894.13	-8.3	0.00	0.00	0.00	0.00
52	400114.22	4087115.23	-5.3	0.03	0.00	0.00	-1.00
53	399566.36	4086400.08	-0.9	0.00	0.00	0.00	-2.01
54	400638.32	4087615.36	-7.4	0.02	0.04	1.00	2.00
55	400077.59	4086884.89	-3.2	0.01	0.02	1.00	-3.00
56	400581.17	4087376.12	-6.5	0.02	0.05	0.00	-1.00
57	400017.98	4086673.83	-2.6	-0.01	0.03	2.00	-4.00
59	399966.29	4086534.44	-2.7	0.02	0.04	2.00	-5.00
60	400559.86	4087132.92	-6.4	0.04	0.09	0.00	0.00
61	399942.78	4086397.52	-2.8	-0.10	0.02	-6.00	-4.00
63	399925.7	4086268.26	-1.0	-0.03	0.00	-4.01	-2.01
65	400546.20	4086883.30	-6.7	0.04	0.08	1.00	1.00
66	400522.43	4086668.27	-5.6	0.00	-0.10	0.00	-4.00
69	400492.22	4086445.59	-4.3	-0.03	-0.01	2.00	-1.00
71	400467.48	4086322.76	-2.1	0.07	0.03	2.00	-1.00
73	400406.90	4086203.89	-3.0	-0.03	0.01	2.00	0.00
74	400380.92	4086095.14	-1.0	0.00	0.00	1.95	0.00
82	400699.23	4085945.54	-0.9	0.01	0.01	-5.96	0.00
87	401057.33	4085827.81	-1.1	0.00	0.00	0.00	0.00
89	401361.82	4085755.08	-1.1	0.00	0.00	0.00	0.00
91	401733.75	4085560.48	-1.1	0.00	0.00	0.00	0.00
92	402012.52	4085457.1	-1.0	0.00	0.00	0.00	0.00
			max	0.07	0.09	6.02	5.00
			min	-0.10	-0.10	-6.00	-5.00
			average	0.01	0.01	0.42	-0.28