

APPENDIX A

Input File of the Calibrated DYNHYD5 Hydrodynamic Model (Version 2.0)

Version 2.0 Hydrodynamic Model for the Delaware Estuary:105 JCT & 111 Channels
 Sept 01 to March 03; C&D Datum:10cm; by Namsoo Suk (DRBC) 6/3/03

***** PROGRAM CONTROL DATA *****

105 111 0 30 0 01 0000 577 2400

***** PRINTOUT CONTROL DATA *****

0.0 1.0 86
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
 65 66 67 68 69 70 71 72 73 74 75 76 77 78 92 93
 95 96 97 98 99 100

***** SUMMARY CONTROL DATA *****

3 01 000012.00 30 5

JUNCTION DATA *****

1	.3939	558800.	-8.64	1	83		
2	.3737	11926900.	-5.54	84	97		
3	.4294	438900.	-8.64	1	2		
4	.4599	375980.	-8.91	2	3		
5	.4810	336160.	-9.18	3	4		
6	.4988	429880.	-9.23	4	5		
7	.5231	523600.	-9.28	5	6		
8	.5432	583660.	-9.24	6	7		
9	.5634	664180.	-9.25	7	8		
10	.5800	685410.	-9.23	8	12		
11	.4305	9341080.	-5.52	9	98		
12	.4947	12758070.	-5.08	10	11	13	
13	.5785	8766871.	-6.45	11	12	18	20
14	.5856	5064157.	-1.35	13	15	19	
15	1.0796	2351584.	-2.18	15	16		
16	1.0925	6374031.	-1.23	16	17		
17	.3025	24912800.	-5.07	14	85		
18	.6407	5167297.	-3.97	18	21		
19	.6306	5177611.	-1.33	19	22		
20	.6434	6157438.	-5.61	20	22	24	
21	.6905	7034125.	-2.14	21	23		
22	.7349	10221140.	-5.04	23	24	25	
23	.7978	9519791.	-5.59	25	26		
24	.8563	7735475.	-5.64	26	27		
25	.9261	7384800.	-5.99	27	28	33	
26	.9352	660094.	-5.01	28	29	32	
27	.9511	587896.	-2.29	29	30		
28	1.0026	567268.	-1.20	30	31		
29	1.0978	587896.	-1.20	31	86		
30	.9345	206279.	-3.24	32	87		
31	.9993	7993324.	-5.30	33	34		
32	1.0700	7065067.	-5.93	34	35		
33	1.1412	6704078.	-5.43	35	36		
34	1.2140	5517972.	-5.83	36	37	38	
35	1.2470	1897769.	-2.82	38	40	99	
36	1.2711	3228271.	-8.32	37	39		
37	1.2969	1165478.	-1.07	40	41		
38	1.3185	4352494.	-5.46	39	41	42	43
39	1.3343	1392385.	-2.42	42	44	45	
40	1.3397	515698.	-2.80	44	88		
41	1.3712	1443955.	-2.38	45	46		
42	1.3633	2980736.	-6.46	43	47		
43	1.4051	4548459.	-8.41	46	47	48	
44	1.4599	5507658.	-7.17	48	49	52	
45	1.4532	711663.	-7.43	49	50		
46	1.4464	825117.	-7.21	50	51		
47	1.4471	433186.	-5.13	51	89		
48	1.5011	3733656.	-6.42	52	53		
49	1.5453	2887910.	-10.67	53	54	55	
50	1.5583	268163.	-1.87	54	90		
51	1.5787	2722887.	-8.95	55	56		
52	1.6001	2403154.	-6.70	56	57	59	
53	1.6114	1340552.	-1.67	57	58	60	

54	1.6508	330047.	-1.48	58	91				
55	1.6202	2898224.	-6.41	59	60	61			
56	1.6384	2508300.	-6.93	61	62	63			
57	1.6553	190491.	-1.86	62	92				
58	1.6319	2487769.	-7.40	63	64				
59	1.6288	2735115.	-7.09	64	65				
60	1.6194	2526880.	-6.64	65	66	67	109		
61	1.6288	693730.	-3.18	66	93				
62	1.5913	2186401.	-4.89	67	68				
63	1.5774	1672200.	-7.19	68	69				
64	1.5598	1791112.	-5.70	69	70	71			
65	1.5631	255475.	-3.19	70	94				
66	1.5559	1435770.	-8.05	71	72	73	110		
67	1.5529	417771.	-3.29	73	74				
68	1.5543	1435770.	-7.76	72	74	75			
69	1.5418	1219777.	-7.16	75	76	111			
70	1.5305	1575120.	-6.93	76	77				
71	1.5288	1672200.	-6.74	77	78				
72	1.5313	1207700.	-5.16	78	79	80			
73	1.5315	156351.	-1.29	79	95				
74	1.5353	969504.	-3.86	80	81				
75	1.5397	650300.	-4.81	81	82				
76	1.5428	464500.	-1.67	82	96				
77	.3995	9839210.	-5.22	9	97				
78	.4625	8672718.	-5.30	10	98				
79	1.0821	7173807.	-1.68	17	0				
80	1.0987	8500.	-1.20	86	0				
81	.9346	11900.	-3.24	87	0				
82	1.3397	9100.	-2.80	88	0				
83	1.4472	16900.	-5.13	89	0				
84	1.5586	5100.	-1.87	90	0				
85	1.6513	9100.	-1.48	91	0				
86	1.6560	9100.	-1.86	92	0				
87	1.6289	18300.	-3.18	93	0				
88	1.5632	10200.	-3.19	94	0				
89	1.5316	10200.	-1.29	95	0				
90	1.5462	26300.	-1.67	96	0				
91	.3371	655600.	-8.25	83	0				
92	.3434	14443000.	-5.01	84	85				
93	1.2601	433547.	-1.87	99	100				
94	1.2886	495482.	-1.87	100	0				
95	.1960	45906200.	-5.51	101	102				
96	.1041	86887700.	-5.02	102	103				
97	-.0132286164000.		-4.24	103	104				
98	-.1612401974000.		-5.79	104	105	108			
99	-.2264462987600.		-8.83	105	106	107			
100	-.1686335131600.		-2.64	107	108				
101	-.2370	92928860.	-12.57	106	0				
102	.2527	31825000.	-5.32	14	101				
103	1.6194	10000.	-6.50	109	0				
104	1.5559	10000.	-6.50	110	0				
105	1.5418	10000.	-6.50	111	0				
CHANNEL DATA *****									
1	2093.	220.	9.05	90	0.030	-0.64200	1	3	
2	1889.	220.	9.22	90	0.030	-0.61700	3	4	
3	1528.	220.	9.52	90	0.030	-0.58600	4	5	
4	1528.	220.	9.70	90	0.030	-0.56300	5	6	
5	2380.	220.	9.77	90	0.030	-0.54200	6	7	
6	2380.	220.	9.80	90	0.030	-0.51900	7	8	
7	2926.	220.	9.80	90	0.030	-0.49300	8	9	
8	3111.	220.	9.82	90	0.030	-0.46200	9	10	
9	2285.	4381.	5.78	330	0.010	0.51000	11	77	
10	2285.	3796.	5.67	15	0.010	0.53500	12	78	
11	4570.	2347.	6.30	5	0.010	-0.52500	12	13	
12	3120.	1372.	8.42	90	0.030	-0.08080	10	13	
13	5890.	518.	3.76	40	0.010	-1.38000	12	14	
14	4000.	7129.	5.47	320	0.017	0.45100	17	102	
15	2742.	305.	2.60	60	0.015	-1.42000	14	15	

16	2742.	1320.	2.79	50	0.015	-0.26900	15	16
17	4163.	1625.	2.54	355	0.015	-0.13600	16	79
18	4164.	1158.	5.82	315	0.010	-0.58100	13	18
19	2742.	1410.	1.95	320	0.010	-0.34900	14	19
20	4164.	1036.	6.64	320	0.010	-0.57700	13	20
21	3250.	1871.	3.72	320	0.010	-0.48900	18	21
22	2945.	1494.	4.10	280	0.010	-0.05980	19	20
23	3352.	2316.	4.30	30	0.015	-0.26900	21	22
24	4265.	1189.	6.01	330	0.015	-0.51300	20	22
25	4164.	2747.	6.08	45	0.015	-0.31800	22	23
26	3656.	2501.	6.44	30	0.015	-0.27000	23	24
27	3656.	2080.	6.71	20	0.010	-0.25500	24	25
28	2844.	239.	6.43	315	0.015	-0.22700	25	26
29	2844.	230.	4.59	255	0.015	-0.22100	26	27
30	2844.	169.	2.59	225	0.015	-0.34300	27	28
31	2844.	102.	1.78	255	0.015	-0.38500	28	29
32	2844.	179.	5.06	320	0.015	-0.03530	26	30
33	3656.	2086.	6.61	10	0.010	-0.17300	25	31
34	3656.	2225.	6.65	30	0.016	-0.09780	31	32
35	3656.	2107.	6.79	40	0.016	-0.04450	32	33
36	4062.	2095.	6.81	45	0.016	0.00876	33	34
37	3656.	1236.	8.32	45	0.020	0.13700	34	36
38	3250.	1185.	5.56	60	0.020	-0.10200	34	35
39	3656.	1320.	8.18	45	0.020	0.16200	36	38
40	2234.	754.	3.22	60	0.020	-0.14500	35	37
41	2234.	1059.	4.57	25	0.020	-0.04940	37	38
42	1930.	792.	5.27	45	0.020	-0.05550	38	39
43	3656.	1506.	7.30	90	0.020	0.19700	38	42
44	2742.	98.	3.95	20	0.020	-0.12400	39	40
45	1930.	417.	3.75	90	0.020	-0.03390	39	41
46	3656.	417.	6.78	90	0.020	0.02370	41	43
47	3656.	1248.	8.82	80	0.020	0.22000	42	43
48	4570.	1156.	9.22	60	0.020	0.26400	43	44
49	3250.	195.	8.76	330	0.020	0.02060	44	45
50	3250.	173.	8.77	10	0.020	0.01900	45	46
51	3250.	142.	7.62	45	0.020	-0.00093	46	47
52	3656.	1152.	8.28	90	0.020	0.31600	44	48
53	3656.	912.	10.10	35	0.020	0.33900	48	49
54	2742.	37.	7.82	105	0.020	-0.07090	49	50
55	3656.	786.	11.40	350	0.020	0.35900	49	51
56	3148.	1014.	9.41	10	0.020	0.33800	51	52
57	1930.	427.	5.79	110	0.020	0.19200	52	53
58	2742.	53.	3.20	150	0.020	0.07740	53	54
59	3656.	932.	8.17	60	0.020	0.35900	52	55
60	2437.	762.	5.66	45	0.020	0.10200	53	55
61	2949.	871.	8.30	80	0.020	0.43100	55	56
62	2745.	65.	6.04	90	0.020	0.01020	56	57
63	2949.	851.	8.80	75	0.035	0.40300	56	58
64	2949.	966.	8.88	85	0.035	0.33500	58	59
65	2949.	848.	8.49	75	0.035	0.37000	59	60
66	2745.	181.	6.53	90	0.035	0.04030	60	61
67	2745.	766.	7.37	80	0.035	0.42400	60	62
68	2745.	712.	7.62	85	0.035	0.39900	62	63
69	2898.	652.	8.02	90	0.035	0.37900	63	64
70	1930.	89.	6.01	300	0.035	0.05860	64	65
71	2898.	649.	8.44	90	0.035	0.31500	64	66
72	3356.	466.	9.46	70	0.035	0.26600	66	68
73	2389.	296.	7.22	90	0.040	0.16700	66	67
74	2389.	307.	7.08	10	0.040	0.13700	67	68
75	2949.	433.	9.01	40	0.040	0.32400	68	69
76	3305.	415.	8.58	125	0.040	0.30300	69	70
77	3660.	433.	8.36	90	0.040	0.22700	70	71
78	2745.	406.	7.48	70	0.040	0.17600	71	72
79	1830.	91.	4.76	60	0.040	0.06290	72	73
80	2288.	430.	6.04	355	0.040	0.11300	72	74
81	2438.	363.	5.87	330	0.040	0.05500	74	75
82	2438.	239.	4.78	355	0.040	0.00129	75	76
83	2980.	220.	8.81	90	0.030	0.67300	1	91

84	2714.	5664.	5.64	330	0.010	0.45500	2	92
85	3000.	6530.	5.37	325	0.017	-0.44500	17	92
86	1472.	102.	1.62	255	0.015	-0.02290	29	80
87	1472.	179.	4.18	320	0.015	-0.00683	30	81
88	1421.	98.	4.14	20	0.020	-0.00396	40	82
89	1675.	142.	6.58	45	0.020	-0.01460	47	83
90	1421.	37.	3.43	105	0.020	-0.00409	50	84
91	1421.	53.	3.13	150	0.020	-0.00097	54	85
92	1422.	65.	3.52	90	0.020	-0.00114	57	86
93	1422.	181.	4.81	90	0.035	-0.00213	61	87
94	1015.	89.	4.76	300	0.035	-0.00010	65	88
95	965.	91.	2.82	60	0.040	0.00071	73	89
96	1269.	239.	3.21	355	0.040	-0.10500	76	90
97	2285.	4816.	5.77	330	0.010	-0.49100	2	77
98	2285.	3795.	5.85	15	0.010	-0.54900	11	78
99	2438.	203.	3.60	315	0.016	-0.15600	35	93
100	9754.	102.	3.15	315	0.016	-0.22400	93	94
101	5000.	7794.	5.64	320	0.017	-0.46200	95	102
102	6900.	8636.	5.42	320	0.017	0.52400	95	96
103	10880.	15362.	4.67	322	0.017	0.45500	96	97
104	14941.	22981.	4.93	336	0.017	0.53700	97	98
105	16803.	25824.	7.12	330	0.017	0.54200	98	99
106	11167.	25025.	10.50	325	0.017	0.64100	99	101
107	24041.	14351.	5.54	29	0.017	-0.39200	99	100
108	21563.	13281.	4.05	253	0.017	-0.04100	98	100
109	4563.	581.	8.19	270	0.017	0.00201	60	103
110	4563.	581.	8.83	270	0.017	0.00033	66	104
111	4563.	581.	8.37	270	0.017	0.00039	69	105

CONSTANT INFLOW DATA - withdrawals *****

2	104	0.340
	105	0.383

*VARIABLE INFLOW DATA*****

62	11	577									
1.	0 0	-.005	2.	0 0	-.005	3.	0 0	-.005	4.	0 0	-.005
5.	0 0	-.005	6.	0 0	-.005	7.	0 0	-.005	8.	0 0	-.005
9.	0 0	-.005	10.	0 0	-.005	11.	0 0	-.005	12.	0 0	-.005

Omitted because of the file size

577-Daily inflows for 62 junctions are input in this section

103	577										
1.	0 0	7.295	2.	0 0	6.791	3.	0 0	6.927	4.	0 0	6.589
5.	0 0	8.097	6.	0 0	6.844	7.	0 0	8.175	8.	0 0	7.054
9.	0 0	6.541	10.	0 0	7.339	11.	0 0	7.382	12.	0 0	7.610
13.	0 0	7.277	14.	0 0	6.695	15.	0 0	6.515	16.	0 0	7.076
17.	0 0	7.365	18.	0 0	6.765	19.	0 0	7.150	20.	0 0	6.787
21.	0 0	6.454	22.	0 0	7.676	23.	0 0	6.651	24.	0 0	6.169
25.	0 0	7.277	26.	0 0	6.554	27.	0 0	6.428	28.	0 0	6.668
29.	0 0	6.769	30.	0 0	6.804	31.	0 0	7.049	32.	0 0	5.744
33.	0 0	6.896	34.	0 0	7.089	35.	0 0	7.229	36.	0 0	6.848
37.	0 0	6.283	38.	0 0	6.103	39.	0 0	7.133	40.	0 0	6.348
41.	0 0	6.344	42.	0 0	6.256	43.	0 0	8.180	44.	0 0	7.198
45.	0 0	7.194	46.	0 0	7.847	47.	0 0	6.852	48.	0 0	6.432
49.	0 0	7.921	50.	0 0	6.804	51.	0 0	7.352	52.	0 0	6.633
53.	0 0	7.553	54.	0 0	6.900	55.	0 0	7.001	56.	0 0	6.922
57.	0 0	7.856	58.	0 0	7.014	59.	0 0	6.721	60.	0 0	6.773
61.	0 0	6.572	62.	0 0	6.800	63.	0 0	6.791	64.	0 0	7.807
65.	0 0	5.569	66.	0 0	7.071	67.	0 0	6.627	68.	0 0	6.593
69.	0 0	7.417	70.	0 0	6.366	71.	0 0	6.804	72.	0 0	6.458
73.	0 0	6.489	74.	0 0	6.826	75.	0 0	7.093	76.	0 0	6.769
77.	0 0	6.778	78.	0 0	6.787	79.	0 0	7.058	80.	0 0	6.865
81.	0 0	7.536	82.	0 0	6.861	83.	0 0	6.248	84.	0 0	7.067
85.	0 0	6.410	86.	0 0	6.423	87.	0 0	6.857	88.	0 0	6.410

89.	0 0	6.971	90.	0 0	6.817	91.	0 0	6.550	92.	0 0	6.410
93.	0 0	6.015	94.	0 0	6.450	95.	0 0	6.646	96.	0 0	6.579
97.	0 0	7.216	98.	0 0	6.541	99.	0 0	6.217	100.	0 0	6.537
101.	0 0	6.690	102.	0 0	6.883	103.	0 0	6.835	104.	0 0	6.029
105.	0 0	6.787	106.	0 0	6.436	107.	0 0	6.922	108.	0 0	6.778
109.	0 0	6.550	110.	0 0	7.374	111.	0 0	7.032	112.	0 0	7.120
113.	0 0	6.966	114.	0 0	7.352	115.	0 0	6.664	116.	0 0	6.813
117.	0 0	6.497	118.	0 0	7.133	119.	0 0	6.760	120.	0 0	7.233
121.	0 0	7.514	122.	0 0	6.660	123.	0 0	7.330	124.	0 0	7.917
125.	0 0	6.712	126.	0 0	7.014	127.	0 0	6.927	128.	0 0	7.518
129.	0 0	7.054	130.	0 0	7.076	131.	0 0	7.304	132.	0 0	7.308
133.	0 0	7.623	134.	0 0	7.111	135.	0 0	7.045	136.	0 0	6.795
137.	0 0	6.865	138.	0 0	7.032	139.	0 0	7.641	140.	0 0	6.900
141.	0 0	7.128	142.	0 0	6.861	143.	0 0	6.243	144.	0 0	6.962
145.	0 0	7.207	146.	0 0	6.734	147.	0 0	7.120	148.	0 0	7.111
149.	0 0	6.817	150.	0 0	7.382	151.	0 0	6.787	152.	0 0	7.106
153.	0 0	6.918	154.	0 0	6.927	155.	0 0	7.141	156.	0 0	6.822
157.	0 0	6.782	158.	0 0	6.879	159.	0 0	6.826	160.	0 0	7.233
161.	0 0	7.120	162.	0 0	7.041	163.	0 0	6.616	164.	0 0	7.010
165.	0 0	6.655	166.	0 0	6.633	167.	0 0	8.070	168.	0 0	6.151
169.	0 0	7.264	170.	0 0	7.483	171.	0 0	6.410	172.	0 0	6.940
173.	0 0	7.049	174.	0 0	6.940	175.	0 0	7.295	176.	0 0	6.708
177.	0 0	7.325	178.	0 0	6.037	179.	0 0	6.822	180.	0 0	6.519
181.	0 0	6.686	182.	0 0	6.624	183.	0 0	6.467	184.	0 0	6.366
185.	0 0	5.827	186.	0 0	6.830	187.	0 0	6.957	188.	0 0	6.112
189.	0 0	6.844	190.	0 0	6.944	191.	0 0	6.997	192.	0 0	5.989
193.	0 0	7.514	194.	0 0	7.238	195.	0 0	6.795	196.	0 0	7.124
197.	0 0	7.615	198.	0 0	7.365	199.	0 0	6.484	200.	0 0	7.080
201.	0 0	7.010	202.	0 0	6.852	203.	0 0	7.238	204.	0 0	7.391
205.	0 0	6.962	206.	0 0	6.988	207.	0 0	6.817	208.	0 0	7.413
209.	0 0	6.997	210.	0 0	7.509	211.	0 0	6.357	212.	0 0	7.010
213.	0 0	6.642	214.	0 0	7.054	215.	0 0	6.541	216.	0 0	7.273
217.	0 0	6.844	218.	0 0	7.391	219.	0 0	7.786	220.	0 0	6.414
221.	0 0	6.791	222.	0 0	6.454	223.	0 0	7.352	224.	0 0	5.963
225.	0 0	8.097	226.	0 0	6.392	227.	0 0	6.756	228.	0 0	7.045
229.	0 0	7.212	230.	0 0	8.013	231.	0 0	7.207	232.	0 0	7.821
233.	0 0	6.892	234.	0 0	6.957	235.	0 0	6.432	236.	0 0	6.699
237.	0 0	6.620	238.	0 0	6.489	239.	0 0	6.716	240.	0 0	7.155
241.	0 0	6.844	242.	0 0	7.067	243.	0 0	6.966	244.	0 0	7.299
245.	0 0	7.461	246.	0 0	7.168	247.	0 0	6.778	248.	0 0	7.229
249.	0 0	7.005	250.	0 0	7.834	251.	0 0	6.546	252.	0 0	7.155
253.	0 0	7.483	254.	0 0	6.476	255.	0 0	6.808	256.	0 0	6.375
257.	0 0	7.063	258.	0 0	6.760	259.	0 0	6.848	260.	0 0	6.642
261.	0 0	6.616	262.	0 0	6.804	263.	0 0	6.388	264.	0 0	6.848
265.	0 0	6.992	266.	0 0	7.260	267.	0 0	6.572	268.	0 0	6.699
269.	0 0	5.814	270.	0 0	6.940	271.	0 0	7.076	272.	0 0	6.778
273.	0 0	6.957	274.	0 0	7.417	275.	0 0	7.260	276.	0 0	6.760
277.	0 0	6.765	278.	0 0	7.133	279.	0 0	6.664	280.	0 0	6.278
281.	0 0	7.203	282.	0 0	7.729	283.	0 0	6.243	284.	0 0	7.339
285.	0 0	7.580	286.	0 0	7.282	287.	0 0	6.690	288.	0 0	7.229
289.	0 0	6.949	290.	0 0	6.519	291.	0 0	7.422	292.	0 0	7.089
293.	0 0	7.067	294.	0 0	6.808	295.	0 0	6.725	296.	0 0	6.944
297.	0 0	7.251	298.	0 0	7.361	299.	0 0	7.707	300.	0 0	7.637
301.	0 0	7.185	302.	0 0	7.597	303.	0 0	7.812	304.	0 0	6.931
305.	0 0	7.185	306.	0 0	7.085	307.	0 0	8.070	308.	0 0	7.207
309.	0 0	7.580	310.	0 0	7.076	311.	0 0	6.559	312.	0 0	6.791
313.	0 0	7.119	314.	0 0	6.760	315.	0 0	7.807	316.	0 0	7.220
317.	0 0	7.803	318.	0 0	6.576	319.	0 0	7.106	320.	0 0	7.032
321.	0 0	7.514	322.	0 0	7.146	323.	0 0	8.149	324.	0 0	7.641
325.	0 0	6.559	326.	0 0	7.404	327.	0 0	7.597	328.	0 0	7.413
329.	0 0	6.931	330.	0 0	6.887	331.	0 0	6.817	332.	0 0	7.527
333.	0 0	7.654	334.	0 0	7.220	335.	0 0	7.742	336.	0 0	6.984
337.	0 0	8.263	338.	0 0	8.052	339.	0 0	7.233	340.	0 0	6.795
341.	0 0	7.838	342.	0 0	7.330	343.	0 0	6.844	344.	0 0	7.124
345.	0 0	7.588	346.	0 0	7.374	347.	0 0	7.282	348.	0 0	7.672
349.	0 0	8.123	350.	0 0	7.566	351.	0 0	7.680	352.	0 0	8.465
353.	0 0	6.984	354.	0 0	7.733	355.	0 0	7.588	356.	0 0	7.347
357.	0 0	7.724	358.	0 0	6.261	359.	0 0	6.848	360.	0 0	7.168

361.	0 0	7.299	362.	0 0	6.992	363.	0 0	6.695	364.	0 0	6.563
365.	0 0	6.795	366.	0 0	6.528	367.	0 0	6.984	368.	0 0	6.646
369.	0 0	6.769	370.	0 0	7.133	371.	0 0	6.721	372.	0 0	6.800
373.	0 0	5.858	374.	0 0	7.163	375.	0 0	6.708	376.	0 0	7.058
377.	0 0	7.028	378.	0 0	6.975	379.	0 0	7.150	380.	0 0	7.146
381.	0 0	6.721	382.	0 0	7.058	383.	0 0	7.168	384.	0 0	6.458
385.	0 0	6.716	386.	0 0	6.940	387.	0 0	7.207	388.	0 0	6.716
389.	0 0	6.528	390.	0 0	7.181	391.	0 0	7.457	392.	0 0	6.103
393.	0 0	6.979	394.	0 0	6.760	395.	0 0	6.826	396.	0 0	7.120
397.	0 0	6.848	398.	0 0	6.449	399.	0 0	6.589	400.	0 0	6.791
401.	0 0	6.765	402.	0 0	6.936	403.	0 0	6.375	404.	0 0	6.414
405.	0 0	6.747	406.	0 0	6.655	407.	0 0	6.966	408.	0 0	6.204
409.	0 0	6.936	410.	0 0	6.563	411.	0 0	6.633	412.	0 0	6.217
413.	0 0	7.102	414.	0 0	6.690	415.	0 0	6.519	416.	0 0	7.181
417.	0 0	7.185	418.	0 0	7.041	419.	0 0	7.058	420.	0 0	6.624
421.	0 0	7.658	422.	0 0	7.422	423.	0 0	6.730	424.	0 0	6.927
425.	0 0	6.756	426.	0 0	7.588	427.	0 0	6.730	428.	0 0	7.356
429.	0 0	6.725	430.	0 0	7.400	431.	0 0	7.067	432.	0 0	7.339
433.	0 0	7.321	434.	0 0	7.599	435.	0 0	7.177	436.	0 0	7.252
437.	0 0	6.891	438.	0 0	6.813	439.	0 0	7.247	440.	0 0	6.918
441.	0 0	6.927	442.	0 0	7.159	443.	0 0	7.076	444.	0 0	6.979
445.	0 0	7.404	446.	0 0	6.756	447.	0 0	6.979	448.	0 0	7.422
449.	0 0	6.957	450.	0 0	6.896	451.	0 0	6.839	452.	0 0	7.233
453.	0 0	6.572	454.	0 0	7.786	455.	0 0	6.857	456.	0 0	6.467
457.	0 0	6.660	458.	0 0	6.866	459.	0 0	7.746	460.	0 0	7.155
461.	0 0	7.141	462.	0 0	6.988	463.	0 0	7.680	464.	0 0	7.921
465.	0 0	7.014	466.	0 0	7.251	467.	0 0	7.085	468.	0 0	7.654
469.	0 0	8.000	470.	0 0	7.746	471.	0 0	7.374	472.	0 0	6.484
473.	0 0	7.492	474.	0 0	7.063	475.	0 0	7.829	476.	0 0	6.817
477.	0 0	7.746	478.	0 0	7.601	479.	0 0	6.787	480.	0 0	6.971
481.	0 0	6.800	482.	0 0	6.712	483.	0 0	6.353	484.	0 0	7.343
485.	0 0	6.690	486.	0 0	6.800	487.	0 0	6.934	488.	0 0	7.137
489.	0 0	7.102	490.	0 0	7.086	491.	0 0	6.756	492.	0 0	6.778
493.	0 0	7.290	494.	0 0	7.045	495.	0 0	7.111	496.	0 0	6.490
497.	0 0	7.347	498.	0 0	6.830	499.	0 0	7.422	500.	0 0	6.787
501.	0 0	6.699	502.	0 0	6.949	503.	0 0	6.734	504.	0 0	6.703
505.	0 0	7.597	506.	0 0	7.347	507.	0 0	7.531	508.	0 0	7.321
509.	0 0	7.729	510.	0 0	7.290	511.	0 0	7.431	512.	0 0	7.895
513.	0 0	7.816	514.	0 0	7.641	515.	0 0	7.939	516.	0 0	7.781
517.	0 0	7.347	518.	0 0	8.083	519.	0 0	7.746	520.	0 0	7.943
521.	0 0	7.755	522.	0 0	7.759	523.	0 0	7.693	524.	0 0	7.361
525.	0 0	7.505	526.	0 0	7.431	527.	0 0	7.216	528.	0 0	7.334
529.	0 0	7.155	530.	0 0	6.388	531.	0 0	6.988	532.	0 0	7.400
533.	0 0	6.974	534.	0 0	7.729	535.	0 0	6.734	536.	0 0	7.369
537.	0 0	8.079	538.	0 0	7.133	539.	0 0	7.453	540.	0 0	7.325
541.	0 0	7.255	542.	0 0	8.118	543.	0 0	7.404	544.	0 0	7.720
545.	0 0	7.404	546.	0 0	7.553	547.	0 0	7.229	548.	0 0	7.198
549.	0 0	7.085	550.	0 0	6.953	551.	0 0	7.663	552.	0 0	7.492
553.	0 0	6.953	554.	0 0	7.448	555.	0 0	6.857	556.	0 0	7.409
557.	0 0	7.194	558.	0 0	6.848	559.	0 0	6.852	560.	0 0	6.651
561.	0 0	7.089	562.	0 0	7.163	563.	0 0	7.299	564.	0 0	6.620
565.	0 0	7.505	566.	0 0	6.646	567.	0 0	7.146	568.	0 0	7.693
569.	0 0	6.971	570.	0 0	7.343	571.	0 0	7.207	572.	0 0	7.847
573.	0 0	7.299	574.	0 0	6.971	575.	0 0	7.422	576.	0 0	6.497
577.	0 0	6.002	0.	0 0	.000	0.	0 0	.000	0.	0 0	.000

***** SEAWARD BOUNDARY DATA *****

2

3 9113897 0 0.0 0.0 0.0 1.0

1.	0 0	.334	1.	1 5	.186	1.	2 5	.065	1.	3 5	-.024
1.	4 5	-.089	1.	5 5	.002	1.	6 5	.207	1.	7 5	.380
1.	8 5	.506	1.	9 5	.571	1.	10 5	.548	1.	11 5	.412

Omitted because of the file size

(Hourly high tidal heights for 577 days)

579.	12 5	.514	579.	13 5	.315	579.	14 5	.126	579.	15 5	-.024
579.	16 5	-.126	579.	17 5	-.210	579.	18 5	-.165	579.	19 5	.099

579.	20 5	.330	579.	21 5	.519	579.	22 5	.626	579.	23 5	.656
580.	0 5	.564									
3	10115904	0	0.0	0.0	0.0	1.0					
1.	0 0	-.237	1.	1 0	-.407	1.	130	-.417	1.	2 0	-.399
1.	3 0	-.265	1.	4 0	-.045	1.	5 0	.213	1.	6 0	.446
1.	7 0	.589	1.	742	.619	1.	8 0	.615	1.	9 0	.515

Omitted because of the file size

(Combination of hourly and high-low tidal heights)

579.	1448	-.689	579.	15 0	-.680	579.	16 0	-.579	579.	17 0	-.308
579.	18 0	.004	579.	19 0	.316	579.	20 0	.542	579.	21 0	.689
579.	2112	.688	579.	22 0	.623	579.	23 0	.423	580.	0 0	.119

***** WIND DATA *****

0

***** Evap/Precip. *****

0

***** DataJunction Geometry Data *****

0

***** Channel Geometry Data*****

0

***** MAP TO WASP5 *****

0 105

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80	0
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90	0
91	0
92	80
93	79
94	0
95	81
96	82
97	83
98	84
99	85
100	86
101	0
102	87
103	0
104	0
105	0