

## **Appendix IV**

Adjusted 15 and 25 yr. Storm Hydrographs

for

SBEACH Erosion Model Application

for

Walton and Okaloosa Counties

**WALTON COUNTY - Adjusted Storm Tide Hydrograph  
Time Series Values for SBEACH**

Time Step (sec.)	15-yr Storm Tide Elevation		25-yr Storm Tide Elevation	
	NGVD (ft.)	NAVD (ft.)	NGVD (ft.)	NAVD (ft.)
0.0	0.04	-0.36	0.05	-0.35
0.5	-0.14	-0.54	-0.17	-0.57
1.0	-0.30	-0.70	-0.35	-0.75
1.5	-0.35	-0.75	-0.42	-0.82
2.0	-0.37	-0.77	-0.44	-0.84
2.5	-0.43	-0.83	-0.52	-0.92
3.0	-0.44	-0.84	-0.53	-0.93
3.5	-0.43	-0.83	-0.52	-0.92
4.0	-0.39	-0.79	-0.48	-0.88
4.5	-0.33	-0.73	-0.40	-0.80
5.0	-0.27	-0.67	-0.32	-0.72
5.5	-0.21	-0.61	-0.25	-0.65
6.0	-0.14	-0.54	-0.17	-0.57
6.5	-0.07	-0.47	-0.08	-0.48
7.0	0.04	-0.36	0.05	-0.35
7.5	0.18	-0.22	0.21	-0.19
8.0	0.33	-0.07	0.40	0.00
8.5	0.52	0.12	0.62	0.22
9.0	0.70	0.30	0.83	0.43
9.5	0.89	0.49	1.06	0.66
10.0	1.09	0.69	1.30	0.90
10.5	1.31	0.91	1.58	1.18
11.0	1.56	1.16	1.88	1.48
11.5	1.83	1.43	2.20	1.80
12.0	2.12	1.72	2.55	2.15
12.5	2.41	2.01	2.90	2.50
13.0	2.70	2.30	3.25	2.85
13.5	2.99	2.59	3.59	3.19
14.0	3.28	2.88	3.94	3.54
14.5	3.55	3.15	4.26	3.86
15.0	3.80	3.40	4.57	4.17
15.5	4.04	3.64	4.86	4.46
16.0	4.24	3.84	5.10	4.70
16.5	4.39	3.99	5.29	4.89

17.0	4.51	4.11	5.42	5.02
17.5	4.57	4.17	5.50	5.10
18.0	4.59	4.19	5.52	5.12
18.5	4.58	4.18	5.51	5.11
19.0	4.53	4.13	5.44	5.04
19.5	4.45	4.05	5.35	4.95
20.0	4.32	3.92	5.20	4.80
20.5	4.14	3.74	4.98	4.58
21.0	3.93	3.53	4.73	4.33
21.5	3.69	3.29	4.43	4.03
22.0	3.42	3.02	4.12	3.72
22.5	3.12	2.72	3.75	3.35
23.0	2.82	2.42	3.39	2.99
23.5	2.50	2.10	3.01	2.61
24.0	2.18	1.78	2.62	2.22
24.5	1.87	1.47	2.25	1.85
25.0	1.58	1.18	1.90	1.50
25.5	1.30	0.90	1.57	1.17
26.0	1.06	0.66	1.28	0.88
26.5	0.85	0.45	1.02	0.62
27.0	0.67	0.27	0.81	0.41
27.5	0.54	0.14	0.64	0.24
28.0	0.44	0.04	0.53	0.13
28.5	0.37	-0.03	0.45	0.05
29.0	0.33	-0.07	0.39	-0.01
29.5	0.30	-0.10	0.35	-0.05
30.0	0.28	-0.12	0.33	-0.07
30.5	0.27	-0.13	0.32	-0.08
31.0	0.27	-0.13	0.32	-0.08
31.5	0.29	-0.11	0.35	-0.05
32.0	0.31	-0.09	0.38	-0.02
32.5	0.35	-0.05	0.43	0.03
33.0	0.39	-0.01	0.48	0.08
33.5	0.44	0.04	0.53	0.13
34.0	0.51	0.11	0.61	0.21
34.5	0.57	0.17	0.68	0.28
35.0	0.64	0.24	0.77	0.37
35.5	0.71	0.31	0.86	0.46
36.0	0.79	0.39	0.95	0.55

**OKALOOSA COUNTY - Adjusted Storm Tide Hydrograph  
Time Series Values for SBEACH**

Time Step (sec.)	15-yr Storm Tide Elevation		25-yr Storm Tide Elevation	
	NGVD (ft.)	NAVD (ft.)	NGVD (ft.)	NAVD (ft.)
0.0	-0.17	-0.57	-0.21	-0.61
0.5	-0.28	-0.68	-0.34	-0.74
1.0	-0.37	-0.77	-0.45	-0.85
1.5	-0.42	-0.82	-0.51	-0.91
2.0	-0.44	-0.84	-0.53	-0.93
2.5	-0.44	-0.84	-0.54	-0.94
3.0	-0.44	-0.84	-0.54	-0.94
3.5	-0.42	-0.82	-0.51	-0.91
4.0	-0.38	-0.78	-0.46	-0.86
4.5	-0.33	-0.73	-0.41	-0.81
5.0	-0.26	-0.66	-0.31	-0.71
5.5	-0.15	-0.55	-0.18	-0.58
6.0	-0.03	-0.43	-0.04	-0.44
6.5	0.08	-0.32	0.09	-0.31
7.0	0.20	-0.20	0.24	-0.16
7.5	0.34	-0.06	0.41	0.01
8.0	0.49	0.09	0.59	0.19
8.5	0.65	0.25	0.79	0.39
9.0	0.81	0.41	0.99	0.59
9.5	0.98	0.58	1.20	0.80
10.0	1.18	0.78	1.44	1.04
10.5	1.39	0.99	1.69	1.29
11.0	1.63	1.23	1.98	1.58
11.5	1.87	1.47	2.28	1.88
12.0	2.13	1.73	2.59	2.19
12.5	2.39	1.99	2.91	2.51
13.0	2.67	2.27	3.26	2.86
13.5	2.96	2.56	3.61	3.21
14.0	3.26	2.86	3.98	3.58
14.5	3.56	3.16	4.34	3.94
15.0	3.85	3.45	4.70	4.30
15.5	4.12	3.72	5.03	4.63
16.0	4.37	3.97	5.33	4.93
16.5	4.59	4.19	5.59	5.19

17.0	4.74	4.34	5.78	5.38
17.5	4.85	4.45	5.92	5.52
18.0	4.89	4.49	5.96	5.56
18.5	4.87	4.47	5.94	5.54
19.0	4.79	4.39	5.84	5.44
19.5	4.65	4.25	5.67	5.27
20.0	4.43	4.03	5.40	5.00
20.5	4.16	3.76	5.08	4.68
21.0	3.87	3.47	4.72	4.32
21.5	3.54	3.14	4.31	3.91
22.0	3.20	2.80	3.90	3.50
22.5	2.84	2.44	3.46	3.06
23.0	2.50	2.10	3.04	2.64
23.5	2.15	1.75	2.63	2.23
24.0	1.83	1.43	2.23	1.83
24.5	1.53	1.13	1.87	1.47
25.0	1.27	0.87	1.54	1.14
25.5	1.04	0.64	1.27	0.87
26.0	0.85	0.45	1.04	0.64
26.5	0.70	0.30	0.86	0.46
27.0	0.59	0.19	0.72	0.32
27.5	0.50	0.10	0.62	0.22
28.0	0.44	0.04	0.53	0.13
28.5	0.39	-0.01	0.48	0.08
29.0	0.36	-0.04	0.43	0.03
29.5	0.33	-0.07	0.41	0.01
30.0	0.32	-0.08	0.39	-0.01
30.5	0.32	-0.08	0.39	-0.01
31.0	0.32	-0.08	0.40	0.00
31.5	0.35	-0.05	0.43	0.03
32.0	0.38	-0.02	0.47	0.07
32.5	0.42	0.02	0.51	0.11
33.0	0.48	0.08	0.57	0.17
33.5	0.53	0.13	0.65	0.25
34.0	0.59	0.19	0.72	0.32
34.5	0.65	0.25	0.79	0.39
35.0	0.72	0.32	0.88	0.48
35.5	0.78	0.38	0.95	0.55
36.0	0.85	0.45	1.04	0.64