ATTACHMENT C3B

TABLE 19 - AMEC FREEBOARD STUDY 2012

Table 19
Levee Characteristics and Flood Water Conditions

Levee	Station, Ft	WCA	Levee Crest, Ft NAVD	Elev~100 ft from U/S Crest Ft NAVD	Upstream Slope[2]	Downstream Slope	Static WL, Ft NAVD	Wind Tide, Ft	Wind Tide Elev, Ft NAVD	Significant Wave Ht, Ft[3]	Significant Wave Ht, Elev. Ft NGVD	Wave Period, Seconds	2% Runup, Ft	2% Runup Elev, Ft NAVD	Estimated Freeboard Ft
L33	1000	3B	17.5	3.4	2.8	2.2	8.4	0.5	8.37	0.54	8.91	3.60	2.1	10.9	6.6
L33	3620	3B	18.1	3.2	2.8	2.1	8.4	0.5	8.37	0.56	8.93	3.63	2.2	11.0	7.1
L33	5413	3B	17.7	3.4	2.8	2.0	8.4	0.5	8.37	0.54	8.91	3.52	1.6	10.5	7.3
L33	8820	3B	18.1	3.2	2.7	2.0	8.4	0.5	8.37	0.56	8.93	3.21	1.6	10.4	7.7
L33	11172	3B	17.9	3.7	3.0	2.1	8.4	0.4	8.37	0.50	8.87	2.84	1.4	10.2	7.6
L33	13739	3B	17.8	3.5	2.8	2.1	8.4	0.4	8.37	0.55	8.92	3.13	1.6	10.4	7.4
L33	16546	3B	17.7	3.9	2.7	2.1	8.4	0.4	8.41	0.54	8.91	3.34	1.6	10.4	7.3
L33	17850	3B	17.9	4.1	2.7	2.3	8.4	0.4	8.46	0.53	8.90	3.49	1.6	10.4	7.6
L35	2600	2B	20.1	6.0	2.8	2.2	11.0	0.0	10.96	0.49	11.45	4.23	1.5	12.5	7.6
L35	5144	2B	20.3	5.5	2.6	2.0	11.0	0.0	10.96	0.51	11.47	4.37	1.4	12.4	7.9
L35	7417	2B	20.0	5.7	2.7	2.0	11.0	0.1	10.96	0.51	11.47	4.32	1.5	12.5	7.5
L35	9100	2B	20.7	5.1	2.6	2.1	11.0	0.1	10.96	0.54	11.50	4.24	1.4	12.4	8.3
L35	11600	2B	20.7	5.0	2.8	2.0	11.0	0.1	10.96	0.49	11.45	4.25	1.5	12.5	8.1
L35	14132	2B	20.3	4.8	2.6	2.0	11.0	0.0	10.96	0.54	11.50	4.25	1.4	12.4	7.9
L35	16500	2B	20.1	4.9	2.6	2.0	11.0	0.0	10.96	0.56	11.52	4.26	1.4	12.4	7.7
L35	18858	2B	20.4	4.8	2.6	2.0	11.0	0.0	10.96	0.54	11.50	4.26	1.4	12.4	8.1
L35	21510	2B	20.5	4.8	2.7	2.0	11.0	0.0	11.03	0.56	11.52	4.26	1.5	12.5	8.0
L35	24528	2B	20.3	4.6	2.5	1.9	11.0	0.1	11.34	0.56	11.52	4.27	1.3	12.4	7.9
L35A	1000	2B	20.5	4.8	3.1	2.8	11.0	0.4	11.69	0.58	11.54	4.59	2.5	13.9	6.6
L35A	3100	2B	20.2	5.3	2.3	2.9	11.0	0.7	13.15	0.56	11.52	4.63	1.3	13.0	7.3
L35A	5600	2B	22.1	5.9	2.5	2.3	11.0	0.8	12.21	0.59	11.55	4.68	1.5	13.3	8.8
L35A	8100	2B	20.6	5.4	2.7	2.5	11.0	1.1	12.43	0.59	11.55	4.66	1.6	13.6	6.9
L35A	10600	2B	20.9	5.9	2.5	1.9	11.0	1.3	12.69	0.59	11.55	4.68	1.4	13.7	7.1
L35A	13100	2B	20.4	5.5	2.8	1.9	11.0	1.5	12.84	0.63	11.59	4.80	1.6	14.1	6.3
L35A	15600	2B	20.1	5.5	2.6	2.2	11.0	1.7	12.98	0.63	11.59	4.84	1.5	14.2	6.0
L35A	18100	2B	21.2	5.0	3.0	2.2	11.0	1.9	13.00	0.71	11.67	4.92	1.8	14.7	6.5
L35A	20600	2B	20.2	6.3	2.5	2.1	11.0	2.1	13.10	0.58	11.54	4.97	1.4	14.4	5.8
L35A	23187	2B	20.6	7.1	2.5	2.1	11.0	2.2	13.20	0.53	11.49	5.03	1.3	14.5	6.0
L35A	25700	2B	20.6	6.2	2.3	1.9	11.0	2.4	13.26	0.61	11.57	5.12	1.3	14.7	5.9
L35A	28239	2B	20.4	11.2	2.9	2.0	11.0	2.6	13.27	0.52	11.48	5.05	1.5	15.0	5.4
L35A	31530	2B	20.7	7.8	2.8	1.9	11.0	2.7	13.46	0.54	11.50	5.11	1.4	15.1	5.6
L36	1500	2B	20.8	7.0	2.8	1.9	11.0	2.8	13.64	0.63	11.59	5.11	1.7	15.4	5.4
L36	4000	2B	20.2	6.6	2.7	1.9	11.0	2.8	13.75	0.62	11.58	5.17	1.4	15.2	5.0
L36	6500	2B	20.1	6.0	2.5	1.9	11.0	2.5	13.78	0.64	11.60	5.20	1.5	15.0	5.1
L36	8842	2B	21.7	5.7	3.4	1.8	11.0	2.6	13.71	0.68	11.64	4.22	1.1	14.6	7.1
L36*	14623	2A	19.1	7.1	3.1	2.3	13.8	1.8	15.93	1.11	14.87	5.18	1.7	17.3	1.8
L36	15748	2A	21.5	8.4	2.4	2.3	13.8	1.8	15.93	0.60	14.36	5.40	1.4	16.9	4.5
L36	17000	2A	21.6	8.3	2.6	3.5	13.8	1.8	15.93	0.61	14.37	5.17	1.4	16.9	4.6
L36	18626	2A	22.5	8.5	2.5	3.2	13.8	1.8	15.93	0.63	14.39	5.25	1.5	17.0	5.5
L36	22827	2A	21.9	8.3	2.0	1.8	13.8	1.8	15.90	0.61	14.37	5.16	1.2	16.8	5.1
L36	24997	2A	20.7	8.9	2.7	2.0	13.8	1.8	16.10	0.59	14.35	5.15	1.3	16.8	3.9
L36	27835	2A	21.1	9.1	2.5	2.2	13.8	1.8	16.19	0.59	14.35	5.15	1.3	16.9	4.2
L36	31500	2A	21.5	8.2	0.1	2.9	13.8	1.8	16.12	0.59	14.35	5.12	1.6	17.2	4.3
L36	35000	2A	20.5	8.9	2.8	2.7	13.8	1.8	16.12	0.59	14.35	5.03	1.3	16.8	3.7
L36*	35793	2A	20.5	9.0	2.8	2.7	13.8	1.8	16.15	0.57	14.33	5.19	1.3	16.8	3.7
L36*	35800	2A	20.5	2.0	1.0	2.7	13.8	1.8	16.11	1.11	14.87	5.22	1.7	17.3	3.2
L36	38629	2A	20.7	9.1	2.3	2.7	13.8	1.8	16.11	0.58	14.34	5.16	1.2	16.8	3.9
L36	39719	2A	20.7	8.9	2.2	3.0	13.8	1.8	15.85	0.56	14.32	5.18	1.2	16.7	4.0
L37	46000	3A	18.1	4.8	3.0	2.2	11.0	0.4	11.19	0.61	11.64	4.03	1.4	12.8	5.3
L37	48500	3A	18.5	5.2	2.8	2.2	11.0	0.4	11.15	0.59	11.62	3.94	1.3	12.7	5.8
L37	51000	3A	18.2	5.0	2.9	2.2	11.0	0.5	11.16	0.60	11.63	3.77	1.3	12.8	5.4
L37	53500	3A	18.2	5.2	2.9	2.3	11.0	0.5	11.28	0.59	11.62	3.59	1.3	12.8	5.4
L37	56000	3A	18.1	5.3	2.9	2.3	11.0	0.5	11.27	0.61	11.64	3.29	1.3	12.8	5.4
L37	58500	3A	18.4	5.2	2.9	2.1	11.0	0.4	11.27	0.59	11.62	3.53	1.3	12.8	5.6
L37	61000	3A	18.2	5.4	2.9	2.1	11.0	0.4	11.21	0.56	11.59	3.72	1.2	12.7	5.6
L37	63500	3A	18.3	5.4	2.9	2.3	11.0	0.6	11.32	0.57	11.60	3.83	1.3	12.9	5.4
L37	66000	3A	18.9	5.6	3.2	2.2	11.0	0.7	11.30	0.57	11.60	3.90	1.4	13.2	5.7
L37	68500	3A	18.3	6.0	3.0	2.2	11.0	0.8	11.30	0.55	11.58	4.16	1.3	13.1	5.2

[2]The reported slope is for the section of embankment including the wind tide elevation
[3]Controlling Wave Height (from WHAFIS)/1.6