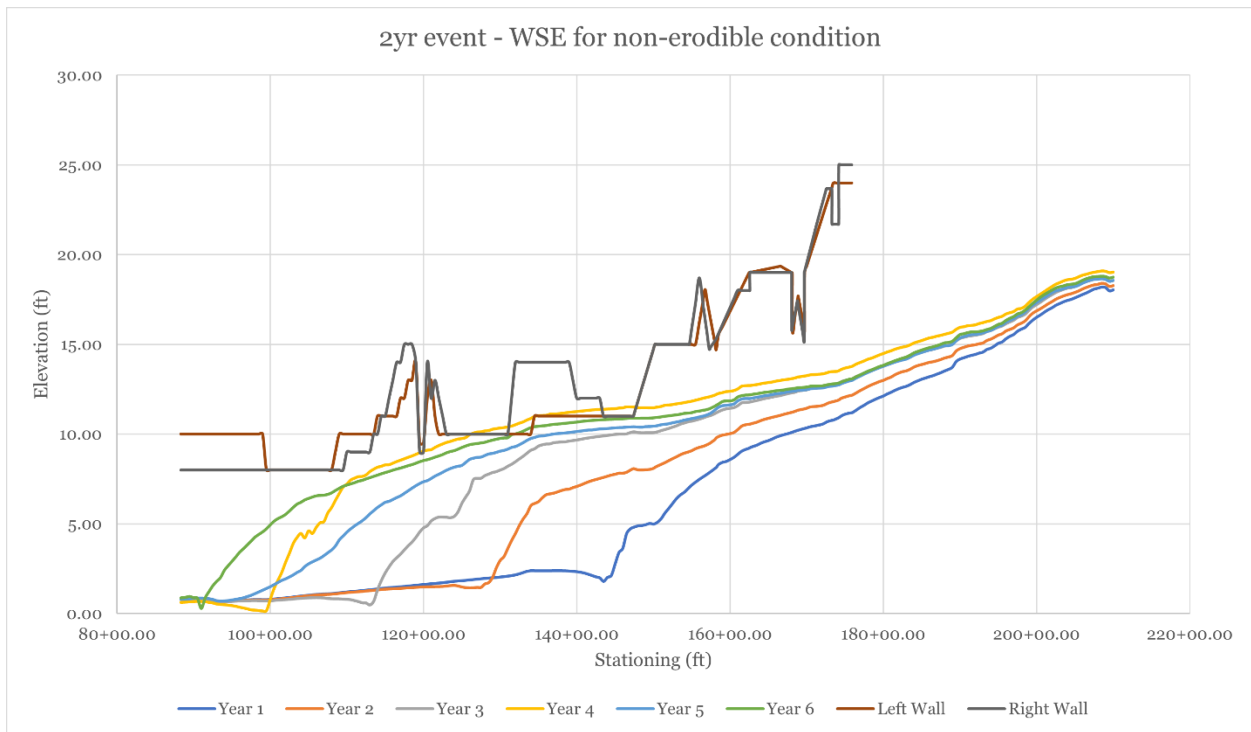


Non-Erodible Condition

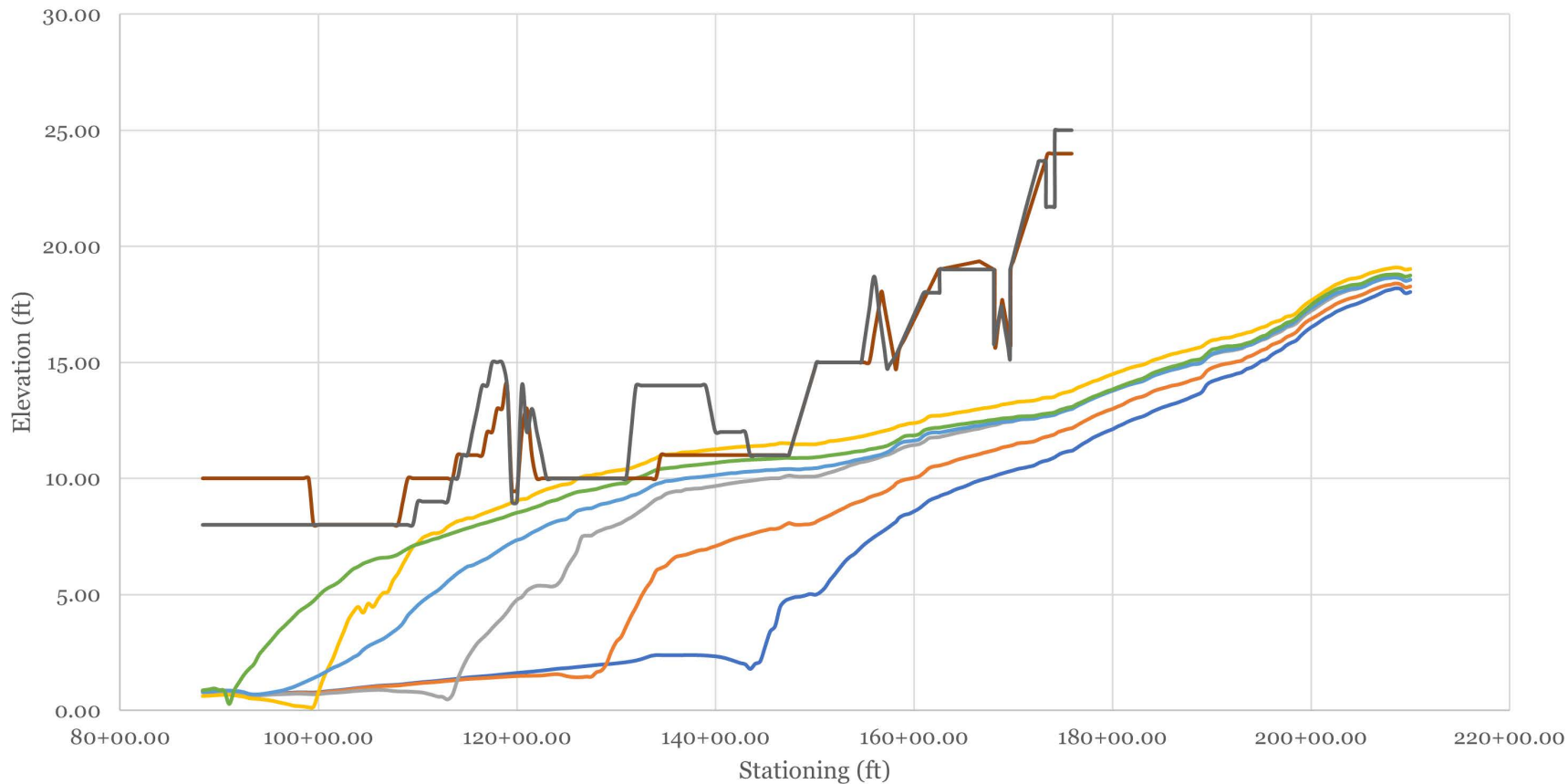
Event: 2yr frequency storm

2yr Event (Non-erodible condition)

Sedimentation Condition	No. locations <2ft	To top left (ft)	To top right (ft)	Left wall STA	Right wall STA
1 year	0	5.41	4.86	169+75.00	169+69.00
2 years	0	2.92	2.92	147+40.00	147+40.00
3 years	50	0.88	0.88	147+40.00	147+40.00
4 years	115	-0.87	-0.52	134+00.00	146+50.00
5 years	87	0.24	0.59	134+00.00	147+40.00
6 years	125	-0.36	0.12	134+00.00	147+00.00



2yr event - WSE for non-erodible condition



Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 Left Wall Right Wall

2yr Event (Non-erodible condition) - Freeboard to top of the wall (ft)

STA	SED1		SED2		SED3		SED4		SED5		SED6	
	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall
88+33.00	9.20	7.20	9.20	7.20	9.21	7.21	9.38	7.38	9.19	7.19	9.14	7.14
89+00.00	9.20	7.20	9.21	7.21	9.22	7.22	9.37	7.37	9.19	7.19	9.10	7.10
89+50.00	9.21	7.21	9.21	7.21	9.22	7.22	9.35	7.35	9.17	7.17	9.06	7.06
90+00.00	9.21	7.21	9.22	7.22	9.23	7.23	9.34	7.34	9.14	7.14	9.13	7.13
90+50.00	9.23	7.23	9.24	7.24	9.24	7.24	9.33	7.33	9.14	7.14	9.17	7.17
91+00.00	9.26	7.26	9.26	7.26	9.27	7.27	9.33	7.33	9.13	7.13	9.73	7.73
91+50.00	9.28	7.28	9.29	7.29	9.30	7.30	9.35	7.35	9.14	7.14	9.14	7.14
92+00.00	9.31	7.31	9.31	7.31	9.32	7.32	9.38	7.38	9.16	7.16	8.79	6.79
92+50.00	9.32	7.32	9.33	7.33	9.34	7.34	9.41	7.41	9.21	7.21	8.46	6.46
93+00.00	9.34	7.34	9.34	7.34	9.36	7.36	9.47	7.47	9.28	7.28	8.22	6.22
93+50.00	9.33	7.33	9.34	7.34	9.36	7.36	9.50	7.50	9.30	7.30	8.01	6.01
94+00.00	9.32	7.32	9.33	7.33	9.35	7.35	9.51	7.51	9.29	7.29	7.61	5.61
94+50.00	9.30	7.30	9.31	7.31	9.33	7.33	9.54	7.54	9.27	7.27	7.35	5.35
95+00.00	9.29	7.29	9.30	7.30	9.32	7.32	9.56	7.56	9.24	7.24	7.10	5.10
95+50.00	9.28	7.28	9.28	7.28	9.31	7.31	9.60	7.60	9.20	7.20	6.85	4.85
96+00.00	9.27	7.27	9.27	7.27	9.30	7.30	9.65	7.65	9.16	7.16	6.59	4.59
96+50.00	9.26	7.26	9.26	7.26	9.29	7.29	9.70	7.70	9.12	7.12	6.39	4.39
97+00.00	9.25	7.25	9.25	7.25	9.28	7.28	9.74	7.74	9.05	7.05	6.18	4.18
97+50.00	9.23	7.23	9.24	7.24	9.27	7.27	9.80	7.80	8.98	6.98	5.97	3.97
98+00.00	9.22	7.22	9.23	7.23	9.27	7.27	9.82	7.82	8.89	6.89	5.75	3.75
98+50.00	9.23	7.23	9.24	7.24	9.28	7.28	9.84	7.84	8.79	6.79	5.60	3.60
99+00.00	9.23	7.23	9.24	7.24	9.29	7.29	9.87	7.87	8.70	6.70	5.46	3.46
99+50.00	7.23	7.23	7.24	7.24	7.30	7.30	7.84	7.84	6.60	6.60	3.28	3.28
100+00.00	7.22	7.22	7.23	7.23	7.29	7.29	7.21	7.21	6.50	6.50	3.07	3.07
100+50.00	7.20	7.20	7.21	7.21	7.26	7.26	6.61	6.61	6.38	6.38	2.86	2.86
101+00.00	7.17	7.17	7.18	7.18	7.25	7.25	6.15	6.15	6.26	6.26	2.72	2.72
101+50.00	7.15	7.15	7.16	7.16	7.23	7.23	5.71	5.71	6.15	6.15	2.61	2.61
102+00.00	7.13	7.13	7.15	7.15	7.22	7.22	5.15	5.15	6.06	6.06	2.48	2.48
102+50.00	7.11	7.11	7.12	7.12	7.20	7.20	4.64	4.64	5.95	5.95	2.29	2.29
103+00.00	7.09	7.09	7.10	7.10	7.18	7.18	4.10	4.10	5.84	5.84	2.09	2.09
103+50.00	7.06	7.06	7.07	7.07	7.16	7.16	3.76	3.76	5.70	5.70	1.91	1.91
104+00.00	7.03	7.03	7.05	7.05	7.14	7.14	3.54	3.54	5.59	5.59	1.81	1.81
104+50.00	7.01	7.01	7.02	7.02	7.13	7.13	3.79	3.79	5.38	5.38	1.67	1.67

105+00.00	6.99	6.99	7.00	7.00	7.12	7.12	3.39	3.39	5.23	5.23	1.59	1.59
105+50.00	6.97	6.97	6.98	6.98	7.11	7.11	3.54	3.54	5.11	5.11	1.51	1.51
106+00.00	6.94	6.94	6.96	6.96	7.11	7.11	3.20	3.20	5.01	5.01	1.45	1.45
106+50.00	6.93	6.93	6.94	6.94	7.11	7.11	2.94	2.94	4.91	4.91	1.42	1.42
107+00.00	6.92	6.92	6.93	6.93	7.12	7.12	2.88	2.88	4.77	4.77	1.41	1.41
107+50.00	6.91	6.91	6.93	6.93	7.15	7.15	2.40	2.40	4.61	4.61	1.36	1.36
108+00.00	6.90	6.90	6.92	6.92	7.17	7.17	2.10	2.10	4.45	4.45	1.28	1.28
108+50.00	7.87	6.87	7.89	6.89	8.17	7.17	2.69	1.69	5.23	4.23	2.15	1.15
109+00.00	8.85	6.85	8.87	6.87	9.18	7.18	3.31	1.31	5.90	3.90	3.03	1.03
109+50.00	8.83	6.83	8.85	6.85	9.18	7.18	2.95	0.95	5.67	3.67	2.91	0.91
110+00.00	8.80	7.80	8.82	7.82	9.20	8.20	2.78	1.78	5.46	4.46	2.85	1.85
110+50.00	8.78	7.78	8.80	7.80	9.22	8.22	2.56	1.56	5.28	4.28	2.78	1.78
111+00.00	8.77	7.77	8.79	7.79	9.27	8.27	2.46	1.46	5.11	4.11	2.71	1.71
111+50.00	8.75	7.75	8.77	7.77	9.33	8.33	2.37	1.37	4.97	3.97	2.63	1.63
112+00.00	8.73	7.73	8.76	7.76	9.40	8.40	2.36	1.36	4.83	3.83	2.58	1.58
112+50.00	8.71	7.71	8.74	7.74	9.41	8.41	2.28	1.28	4.65	3.65	2.50	1.50
113+00.00	8.68	7.68	8.72	7.72	9.51	8.51	2.09	1.09	4.44	3.44	2.43	1.43
113+50.00	8.66	8.66	8.70	8.70	9.31	9.31	1.96	1.96	4.26	4.26	2.36	2.36
114+00.00	9.64	8.64	9.68	8.68	9.67	8.67	2.85	1.85	5.08	4.08	3.29	2.29
114+50.00	9.61	9.61	9.65	9.65	9.15	9.15	2.79	2.79	4.94	4.94	3.21	3.21
115+00.00	9.58	9.58	9.63	9.63	8.73	8.73	2.72	2.72	4.80	4.80	3.15	3.15
115+50.00	9.57	10.57	9.62	10.62	8.39	9.39	2.71	3.71	4.74	5.74	3.09	4.09
116+00.00	9.55	11.55	9.61	11.61	8.10	10.10	2.62	4.62	4.64	6.64	3.01	5.01
116+50.00	9.53	12.53	9.60	12.60	7.88	10.88	2.53	5.53	4.53	7.53	2.95	5.95
117+00.00	10.51	12.51	10.59	12.59	8.68	10.68	3.45	5.45	5.44	7.44	3.90	5.90
117+50.00	10.50	13.50	10.57	13.57	8.44	11.44	3.37	6.37	5.30	8.30	3.83	6.83
118+00.00	11.47	13.47	11.56	13.56	9.22	11.22	4.29	6.29	6.15	8.15	4.76	6.76
118+50.00	11.45	13.45	11.55	13.55	9.01	11.01	4.22	6.22	6.01	8.01	4.70	6.70
119+00.00	12.43	12.43	12.53	12.53	9.75	9.75	5.13	5.13	6.87	6.87	5.63	5.63
119+50.00	7.91	7.41	8.02	7.52	4.95	4.45	0.54	0.04	2.25	1.75	1.04	0.54
120+00.00	7.89	7.39	8.01	7.51	4.72	4.22	0.45	-0.05	2.15	1.65	0.98	0.48
120+50.00	10.37	12.37	10.50	12.50	7.10	9.10	2.90	4.90	4.59	6.59	3.43	5.43
121+00.00	11.35	10.35	11.50	10.50	7.84	6.84	3.87	2.87	5.47	4.47	4.37	3.37
121+50.00	9.33	11.33	9.49	11.49	5.70	7.70	1.74	3.74	3.34	5.34	2.29	4.29
122+00.00	8.31	10.31	8.49	10.49	4.62	6.62	0.64	2.64	2.23	4.23	1.22	3.22
122+50.00	8.29	9.29	8.48	9.48	4.62	5.62	0.55	1.55	2.12	3.12	1.14	2.14
123+00.00	8.26	8.26	8.46	8.46	4.63	4.63	0.46	0.46	2.01	2.01	1.04	1.04

123+50.00	8.24	8.24	8.43	8.43	4.66	4.66	0.41	0.41	1.92	1.92	0.97	0.97
124+00.00	8.21	8.21	8.42	8.42	4.58	4.58	0.34	0.34	1.84	1.84	0.93	0.93
124+50.00	8.19	8.19	8.45	8.45	4.33	4.33	0.28	0.28	1.79	1.79	0.84	0.84
125+00.00	8.18	8.18	8.51	8.51	3.86	3.86	0.25	0.25	1.74	1.74	0.75	0.75
125+50.00	8.16	8.16	8.55	8.55	3.51	3.51	0.19	0.19	1.58	1.58	0.67	0.67
126+00.00	8.14	8.14	8.56	8.56	3.16	3.16	0.04	0.04	1.41	1.41	0.60	0.60
126+50.00	8.11	8.11	8.56	8.56	2.54	2.54	-0.06	-0.06	1.34	1.34	0.56	0.56
127+00.00	8.09	8.09	8.53	8.53	2.47	2.47	-0.11	-0.11	1.30	1.30	0.53	0.53
127+50.00	8.07	8.07	8.54	8.54	2.46	2.46	-0.13	-0.13	1.28	1.28	0.49	0.49
128+00.00	8.05	8.05	8.34	8.34	2.31	2.31	-0.18	-0.18	1.19	1.19	0.46	0.46
128+50.00	8.03	8.03	8.27	8.27	2.23	2.23	-0.20	-0.20	1.11	1.11	0.39	0.39
129+00.00	8.01	8.01	7.98	7.98	2.14	2.14	-0.27	-0.27	1.07	1.07	0.34	0.34
129+50.00	8.00	8.00	7.44	7.44	2.09	2.09	-0.31	-0.31	1.02	1.02	0.29	0.29
130+00.00	7.97	7.97	7.04	7.04	2.00	2.00	-0.34	-0.34	0.95	0.95	0.25	0.25
130+50.00	7.95	7.95	6.82	6.82	1.92	1.92	-0.36	-0.36	0.91	0.91	0.22	0.22
131+00.00	7.92	7.92	6.36	6.36	1.79	1.79	-0.40	-0.40	0.83	0.83	0.20	0.20
131+50.00	7.89	9.89	5.92	7.92	1.68	3.68	-0.45	1.55	0.74	2.74	0.04	2.04
132+00.00	7.85	11.85	5.53	9.53	1.54	5.54	-0.53	3.47	0.69	4.69	-0.01	3.99
132+50.00	7.79	11.79	5.09	9.09	1.38	5.38	-0.61	3.39	0.59	4.59	-0.07	3.93
133+00.00	7.72	11.72	4.72	8.72	1.23	5.23	-0.68	3.32	0.48	4.48	-0.16	3.84
133+50.00	7.65	11.65	4.42	8.42	1.06	5.06	-0.79	3.21	0.35	4.35	-0.26	3.74
134+00.00	7.62	11.62	3.99	7.99	0.90	4.90	-0.87	3.13	0.24	4.24	-0.36	3.64
134+50.00	8.62	11.62	4.86	7.86	1.82	4.82	0.01	3.01	1.18	4.18	0.59	3.59
135+00.00	8.62	11.62	4.76	7.76	1.67	4.67	-0.03	2.97	1.12	4.12	0.57	3.57
135+50.00	8.63	11.63	4.55	7.55	1.60	4.60	-0.04	2.96	1.10	4.10	0.54	3.54
136+00.00	8.63	11.63	4.38	7.38	1.55	4.55	-0.05	2.95	1.07	4.07	0.53	3.53
136+50.00	8.62	11.62	4.33	7.33	1.55	4.55	-0.11	2.89	1.03	4.03	0.49	3.49
137+00.00	8.62	11.62	4.29	7.29	1.48	4.48	-0.13	2.87	0.99	3.99	0.46	3.46
137+50.00	8.62	11.62	4.22	7.22	1.46	4.46	-0.14	2.86	0.97	3.97	0.44	3.44
138+00.00	8.62	11.62	4.14	7.14	1.44	4.44	-0.16	2.84	0.95	3.95	0.42	3.42
138+50.00	8.63	11.63	4.08	7.08	1.43	4.43	-0.19	2.81	0.94	3.94	0.40	3.40
139+00.00	8.64	11.64	4.06	7.06	1.39	4.39	-0.21	2.79	0.91	3.91	0.38	3.38
139+50.00	8.65	10.65	3.98	5.98	1.36	3.36	-0.24	1.76	0.88	2.88	0.35	2.35
140+00.00	8.67	9.67	3.91	4.91	1.33	2.33	-0.26	0.74	0.86	1.86	0.33	1.33
140+50.00	8.70	9.70	3.84	4.84	1.29	2.29	-0.28	0.72	0.83	1.83	0.30	1.30
141+00.00	8.75	9.75	3.74	4.74	1.25	2.25	-0.30	0.70	0.80	1.80	0.28	1.28
141+50.00	8.82	9.82	3.66	4.66	1.21	2.21	-0.32	0.68	0.77	1.77	0.25	1.25

142+00.00	8.89	9.89	3.59	4.59	1.18	2.18	-0.35	0.65	0.77	1.77	0.24	1.24
142+50.00	8.96	9.96	3.53	4.53	1.15	2.15	-0.36	0.64	0.74	1.74	0.22	1.22
143+00.00	9.02	10.02	3.47	4.47	1.13	2.13	-0.37	0.63	0.71	1.71	0.21	1.21
143+50.00	9.21	9.21	3.41	3.41	1.10	1.10	-0.38	-0.38	0.70	0.70	0.20	0.20
144+00.00	8.99	8.99	3.35	3.35	1.08	1.08	-0.40	-0.40	0.69	0.69	0.18	0.18
144+50.00	8.89	8.89	3.28	3.28	1.04	1.04	-0.41	-0.41	0.67	0.67	0.18	0.18
145+00.00	8.25	8.25	3.24	3.24	1.02	1.02	-0.42	-0.42	0.64	0.64	0.17	0.17
145+50.00	7.61	7.61	3.18	3.18	1.00	1.00	-0.45	-0.45	0.64	0.64	0.16	0.16
146+00.00	7.37	7.37	3.18	3.18	1.00	1.00	-0.47	-0.47	0.63	0.63	0.14	0.14
146+50.00	6.55	6.55	3.12	3.12	0.99	0.99	-0.52	-0.52	0.61	0.61	0.13	0.13
147+00.00	6.28	6.28	3.00	3.00	0.91	0.91	-0.52	-0.52	0.60	0.60	0.12	0.12
147+40.00	6.20	6.20	2.92	2.92	0.88	0.88	-0.51	-0.51	0.59	0.59	0.12	0.12
147+50.00	6.33	6.33	3.07	3.07	1.02	1.02	-0.36	-0.36	0.73	0.73	0.26	0.26
148+00.00	6.98	6.98	3.85	3.85	1.77	1.77	0.39	0.39	1.46	1.46	0.98	0.98
148+50.00	7.67	7.67	4.57	4.57	2.50	2.50	1.10	1.10	2.18	2.18	1.69	1.69
149+00.00	8.34	8.34	5.27	5.27	3.21	3.21	1.81	1.81	2.87	2.87	2.41	2.41
149+50.00	8.99	8.99	5.97	5.97	3.92	3.92	2.53	2.53	3.58	3.58	3.11	3.11
150+00.00	9.73	9.73	6.62	6.62	4.63	4.63	3.25	3.25	4.27	4.27	3.81	3.81
150+20.00	10.00	10.00	6.85	6.85	4.90	4.90	3.52	3.52	4.55	4.55	4.08	4.08
150+50.00	9.92	9.92	6.78	6.78	4.88	4.88	3.49	3.49	4.53	4.53	4.07	4.07
151+00.00	9.72	9.72	6.69	6.69	4.81	4.81	3.46	3.46	4.48	4.48	4.04	4.04
151+50.00	9.40	9.40	6.59	6.59	4.75	4.75	3.39	3.39	4.45	4.45	4.01	4.01
152+00.00	9.14	9.14	6.48	6.48	4.69	4.69	3.38	3.38	4.42	4.42	3.98	3.98
152+50.00	8.87	8.87	6.37	6.37	4.61	4.61	3.35	3.35	4.37	4.37	3.95	3.95
153+00.00	8.60	8.60	6.27	6.27	4.54	4.54	3.31	3.31	4.33	4.33	3.93	3.93
153+50.00	8.40	8.40	6.15	6.15	4.45	4.45	3.28	3.28	4.28	4.28	3.89	3.89
154+00.00	8.25	8.25	6.07	6.07	4.38	4.38	3.25	3.25	4.22	4.22	3.85	3.85
154+50.00	8.05	8.05	6.00	6.00	4.32	4.32	3.20	3.20	4.18	4.18	3.83	3.83
154+70.00	7.96	7.96	5.97	5.97	4.30	4.30	3.19	3.19	4.16	4.16	3.82	3.82
155+00.00	7.84	8.70	5.92	6.78	4.28	5.13	3.16	4.02	4.13	4.99	3.81	4.66
155+50.00	7.68	9.95	5.81	8.09	4.22	6.50	3.11	5.39	4.10	6.37	3.74	6.02
156+00.00	8.75	11.22	6.96	9.44	5.39	7.87	4.28	6.76	5.27	7.74	4.94	7.42
156+50.00	9.83	9.55	8.13	7.85	6.54	6.27	5.45	5.17	6.44	6.17	6.12	5.85
156+75.00	10.37	8.72	8.70	7.05	7.12	5.47	6.03	4.38	7.02	5.37	6.72	5.07
157+00.00	9.72	7.89	8.07	6.24	6.50	4.66	5.43	3.60	6.40	4.57	6.11	4.27
157+30.00	8.93	6.88	7.31	5.26	5.77	3.71	4.71	2.65	5.65	3.60	5.38	3.33
157+50.00	8.41	6.95	6.79	5.33	5.28	3.82	4.22	2.76	5.15	3.68	4.87	3.41

158+00.00	7.09	7.11	5.47	5.49	4.03	4.04	2.99	3.01	3.83	3.85	3.61	3.63
158+20.00	6.56	7.17	4.91	5.52	3.51	4.12	2.49	3.10	3.30	3.91	3.09	3.70
158+50.00	7.23	7.29	5.67	5.74	4.28	4.35	3.26	3.33	4.03	4.10	3.85	3.92
159+00.00	7.54	7.66	6.02	6.14	4.62	4.73	3.65	3.77	4.38	4.50	4.15	4.27
159+50.00	7.92	8.09	6.42	6.58	4.99	5.15	4.03	4.19	4.79	4.96	4.55	4.71
160+00.00	8.25	8.46	6.81	7.02	5.39	5.60	4.44	4.65	5.20	5.41	4.98	5.19
160+50.00	8.57	8.82	7.18	7.43	5.79	6.05	4.84	5.09	5.59	5.84	5.36	5.61
161+00.00	8.83	9.13	7.45	7.75	6.12	6.42	5.18	5.48	5.85	6.15	5.63	5.93
161+50.00	9.09	8.96	7.69	7.56	6.40	6.26	5.47	5.33	6.18	6.05	5.99	5.86
162+00.00	9.43	8.86	8.05	7.48	6.80	6.24	5.87	5.30	6.58	6.02	6.39	5.83
162+50.00	9.79	8.79	8.46	7.46	7.22	6.22	6.30	5.30	7.02	6.02	6.82	5.82
162+60.00	9.77	8.76	8.45	7.44	7.22	6.21	6.30	5.29	7.03	6.02	6.82	5.81
162+61.00	9.76	9.76	8.45	8.44	7.22	7.21	6.30	6.29	7.03	7.02	6.82	6.81
163+00.00	9.73	9.69	8.44	8.40	7.22	7.17	6.31	6.27	7.03	6.99	6.82	6.78
163+40.00	9.72	9.64	8.43	8.35	7.22	7.14	6.32	6.24	7.03	6.95	6.83	6.75
163+50.00	9.71	9.62	8.42	8.34	7.21	7.13	6.32	6.24	7.03	6.95	6.84	6.75
163+75.00	9.68	9.57	8.40	8.29	7.21	7.10	6.33	6.22	7.04	6.93	6.84	6.73
164+00.00	9.64	9.51	8.38	8.25	7.21	7.07	6.33	6.19	7.04	6.91	6.85	6.71
164+10.00	9.64	9.49	8.37	8.23	7.21	7.06	6.32	6.18	7.04	6.90	6.85	6.71
164+50.00	9.61	9.43	8.35	8.18	7.20	7.02	6.33	6.16	7.04	6.86	6.85	6.68
165+00.00	9.58	9.36	8.34	8.12	7.20	6.98	6.34	6.12	7.05	6.83	6.87	6.65
165+50.00	9.54	9.28	8.33	8.07	7.20	6.94	6.36	6.10	7.06	6.80	6.89	6.62
166+00.00	9.48	9.18	8.32	8.02	7.20	6.89	6.35	6.05	7.06	6.75	6.89	6.59
166+50.00	9.45	9.10	8.32	7.96	7.21	6.86	6.37	6.01	7.08	6.73	6.92	6.57
166+60.00	9.45	9.09	8.31	7.95	7.21	6.85	6.37	6.01	7.09	6.73	6.92	6.56
167+00.00	9.30	9.04	8.16	7.90	7.07	6.81	6.23	5.97	6.96	6.70	6.80	6.54
167+50.00	9.12	8.98	7.99	7.85	6.89	6.75	6.09	5.95	6.78	6.64	6.64	6.50
168+00.00	8.93	8.91	7.81	7.79	6.72	6.71	5.93	5.91	6.64	6.62	6.49	6.48
168+05.00	8.91	8.91	7.79	7.79	6.71	6.71	5.91	5.91	6.62	6.62	6.48	6.47
168+06.00	8.91	5.70	7.79	4.58	6.71	3.49	5.91	2.70	6.62	3.41	6.48	3.26
168+15.00	8.87	5.88	7.76	4.77	6.68	3.69	5.88	2.89	6.59	3.60	6.45	3.46
168+16.00	5.60	5.90	4.49	4.79	3.41	3.71	2.61	2.91	3.32	3.62	3.18	3.48
168+50.00	6.46	6.60	5.35	5.49	4.29	4.42	3.49	3.62	4.22	4.35	4.07	4.20
168+80.00	7.23	7.22	6.11	6.10	5.05	5.03	4.25	4.24	5.00	4.99	4.85	4.84
168+90.00	7.48	6.95	6.37	5.84	5.30	4.77	4.52	3.98	5.26	4.73	5.12	4.58
169+00.00	7.24	6.69	6.13	5.57	5.06	4.50	4.28	3.72	5.02	4.47	4.88	4.33
169+50.00	6.02	5.36	4.93	4.27	3.88	3.22	3.09	2.43	3.85	3.19	3.71	3.05

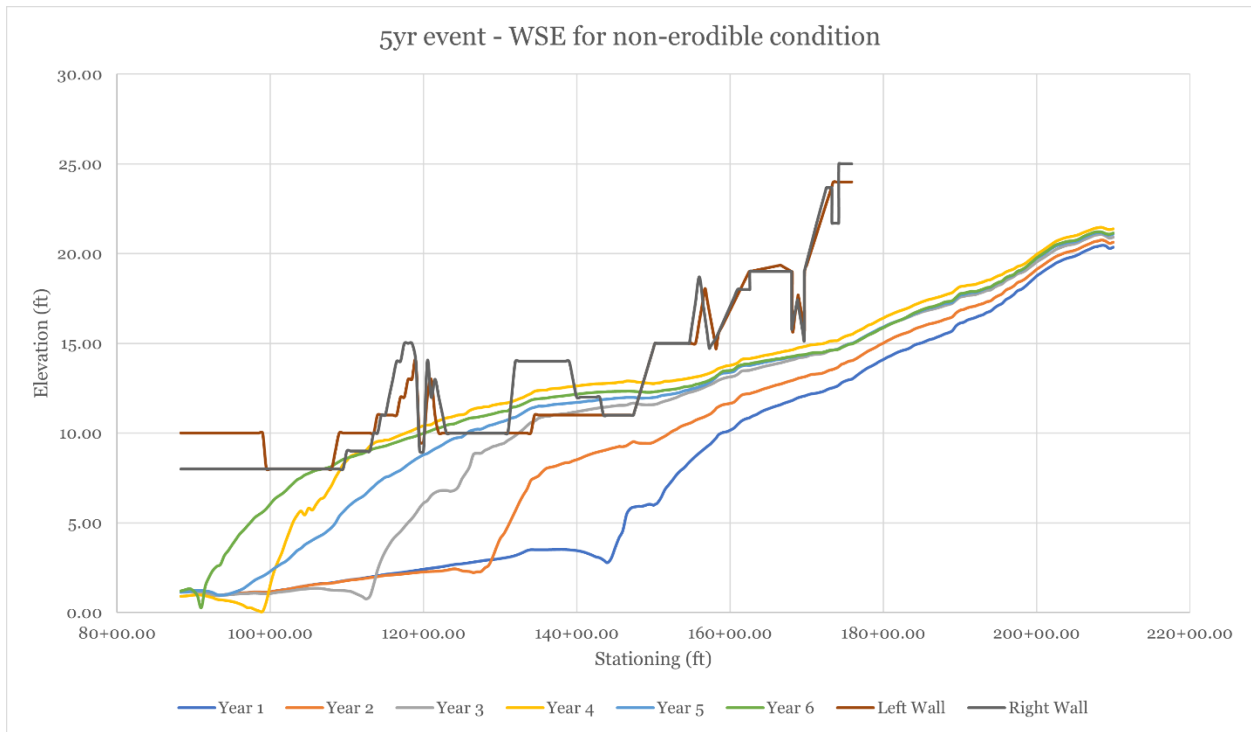
169+69.00	5.56	4.86	4.47	3.77	3.43	2.73	2.63	1.93	3.40	2.70	3.26	2.56
169+70.00	5.53	8.69	4.44	7.60	3.41	6.56	2.61	5.76	3.38	6.53	3.24	6.39
169+75.00	5.41	8.77	4.32	7.68	3.29	6.64	2.49	5.84	3.26	6.62	3.12	6.47
169+76.00	8.71	8.78	7.62	7.69	6.59	6.66	5.79	5.86	6.56	6.63	6.42	6.49
170+00.00	9.00	9.15	7.91	8.06	6.89	7.04	6.09	6.24	6.87	7.02	6.73	6.88
170+50.00	9.60	9.92	8.50	8.82	7.49	7.81	6.71	7.03	7.49	7.81	7.35	7.67
171+00.00	10.23	10.72	9.15	9.64	8.13	8.62	7.37	7.86	8.12	8.61	8.00	8.49
171+30.00	10.60	11.19	9.54	10.13	8.53	9.12	7.75	8.34	8.52	9.11	8.40	8.99
171+50.00	10.85	11.49	9.80	10.43	8.79	9.42	8.02	8.65	8.79	9.42	8.67	9.30
172+00.00	11.48	12.22	10.44	11.18	9.44	10.18	8.67	9.41	9.46	10.19	9.33	10.07
172+50.00	12.05	12.90	11.04	11.88	10.06	10.90	9.30	10.15	10.09	10.93	9.97	10.82
172+58.00	12.13	13.00	11.12	11.99	10.14	11.01	9.39	10.26	10.18	11.05	10.06	10.93
173+00.00	12.61	12.93	11.59	11.91	10.63	10.95	9.88	10.20	10.69	11.01	10.58	10.90
173+30.00	12.98	12.91	11.95	11.88	11.00	10.93	10.26	10.19	11.07	11.00	10.95	10.88
173+31.00	12.99	10.94	11.96	9.91	11.01	8.96	10.27	8.22	11.08	9.03	10.96	8.91
173+50.00	13.22	10.92	12.19	9.89	11.24	8.94	10.51	8.21	11.31	9.01	11.20	8.90
173+90.00	13.14	10.84	12.14	9.84	11.20	8.90	10.51	8.21	11.28	8.98	11.18	8.88
174+00.00	13.13	10.83	12.13	9.83	11.18	8.88	10.50	8.20	11.28	8.98	11.18	8.88
174+20.00	13.08	10.78	12.10	9.80	11.15	8.85	10.46	8.16	11.26	8.96	11.16	8.86
174+21.00	13.08	14.08	12.09	13.09	11.15	12.15	10.46	11.46	11.26	12.26	11.15	12.15
174+50.00	13.00	14.00	12.01	13.01	11.09	12.09	10.40	11.40	11.20	12.20	11.10	12.10
174+70.00	12.94	13.94	11.98	12.98	11.05	12.05	10.36	11.36	11.16	12.16	11.07	12.07
175+00.00	12.89	13.89	11.94	12.94	11.01	12.01	10.32	11.32	11.11	12.11	11.02	12.02
175+50.00	12.84	13.84	11.87	12.87	10.96	11.96	10.27	11.27	11.05	12.05	10.95	11.95
175+90.00	12.81	13.81	11.84	12.84	10.93	11.93	10.22	11.22	11.01	12.01	10.92	11.92

Non-Erodible Condition

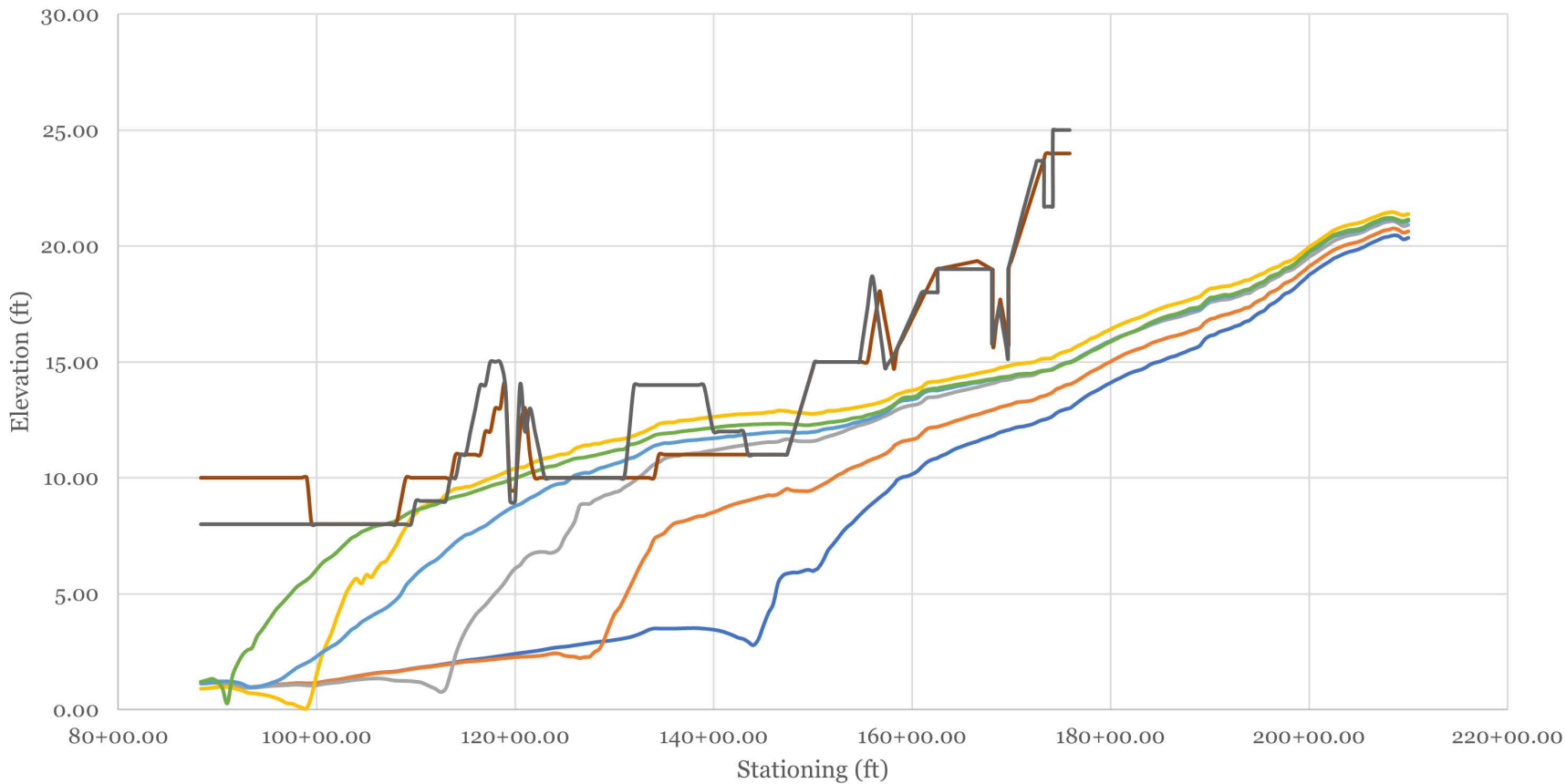
Event: 5yr frequency storm

5yr Event (Non-erodible condition)

Sedimentation Condition	No. locations <2ft	To top left (ft)	To top right (ft)	Left wall STA	Right wall STA
1 year	0	3.66	3.11	169+75.00	169+69.00
2 years	20	1.47	1.47	147+40.00	147+40.00
3 years	90	-0.66	-0.66	147+40.00	147+40.00
4 years	184	-2.19	-1.89	134+00.00	146+50.00
5 years	114	-1.38	-0.99	134+00.00	147+00.00
6 years	189	-1.83	-1.33	134+00.00	147+00.00



5yr event - WSE for non-erodible condition



Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 Left Wall Right Wall

5yr Event (Non-erodible condition) - Freeboard to top of the wall (ft)

STA	SED1		SED2		SED3		SED4		SED5		SED6	
	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall
88+33.00	8.81	6.81	8.82	6.82	8.84	6.84	9.10	7.10	8.88	6.88	8.80	6.80
89+00.00	8.82	6.82	8.82	6.82	8.84	6.84	9.08	7.08	8.87	6.87	8.73	6.73
89+50.00	8.82	6.82	8.83	6.83	8.85	6.85	9.05	7.05	8.84	6.84	8.68	6.68
90+00.00	8.84	6.84	8.85	6.85	8.86	6.86	9.03	7.03	8.79	6.79	8.80	6.80
90+50.00	8.86	6.86	8.87	6.87	8.89	6.89	9.02	7.02	8.79	6.79	9.08	7.08
91+00.00	8.90	6.90	8.91	6.91	8.93	6.93	9.03	7.03	8.78	6.78	9.73	7.73
91+50.00	8.95	6.95	8.95	6.95	8.97	6.97	9.06	7.06	8.80	6.80	8.58	6.58
92+00.00	8.98	6.98	8.99	6.99	9.01	7.01	9.12	7.12	8.83	6.83	8.05	6.05
92+50.00	9.01	7.01	9.01	7.01	9.04	7.04	9.18	7.18	8.89	6.89	7.66	5.66
93+00.00	9.03	7.03	9.04	7.04	9.07	7.07	9.27	7.27	9.00	7.00	7.44	5.44
93+50.00	9.02	7.02	9.03	7.03	9.06	7.06	9.30	7.30	9.04	7.04	7.33	5.33
94+00.00	9.00	7.00	9.01	7.01	9.05	7.05	9.32	7.32	9.03	7.03	6.84	4.84
94+50.00	8.98	6.98	8.99	6.99	9.03	7.03	9.35	7.35	8.98	6.98	6.57	4.57
95+00.00	8.95	6.95	8.97	6.97	9.00	7.00	9.39	7.39	8.92	6.92	6.24	4.24
95+50.00	8.93	6.93	8.94	6.94	8.99	6.99	9.44	7.44	8.84	6.84	5.94	3.94
96+00.00	8.92	6.92	8.93	6.93	8.97	6.97	9.52	7.52	8.77	6.77	5.64	3.64
96+50.00	8.90	6.90	8.92	6.92	8.96	6.96	9.61	7.61	8.66	6.66	5.42	3.42
97+00.00	8.89	6.89	8.90	6.90	8.95	6.95	9.73	7.73	8.51	6.51	5.18	3.18
97+50.00	8.87	6.87	8.88	6.88	8.94	6.94	9.74	7.74	8.35	6.35	4.94	2.94
98+00.00	8.85	6.85	8.87	6.87	8.93	6.93	9.84	7.84	8.19	6.19	4.70	2.70
98+50.00	8.86	6.86	8.87	6.87	8.94	6.94	9.91	7.91	8.08	6.08	4.55	2.55
99+00.00	8.86	6.86	8.88	6.88	8.96	6.96	9.94	7.94	7.98	5.98	4.41	2.41
99+50.00	6.86	6.86	6.88	6.88	6.97	6.97	7.38	7.38	5.86	5.86	2.22	2.22
100+00.00	6.84	6.84	6.86	6.86	6.95	6.95	6.46	6.46	5.71	5.71	1.96	1.96
100+50.00	6.80	6.80	6.82	6.82	6.91	6.91	5.71	5.71	5.55	5.55	1.71	1.71
101+00.00	6.77	6.77	6.78	6.78	6.88	6.88	5.16	5.16	5.41	5.41	1.54	1.54
101+50.00	6.74	6.74	6.75	6.75	6.86	6.86	4.68	4.68	5.27	5.27	1.40	1.40
102+00.00	6.71	6.71	6.73	6.73	6.84	6.84	4.06	4.06	5.16	5.16	1.22	1.22
102+50.00	6.68	6.68	6.69	6.69	6.81	6.81	3.49	3.49	4.98	4.98	1.01	1.01
103+00.00	6.64	6.64	6.65	6.65	6.78	6.78	2.94	2.94	4.77	4.77	0.80	0.80
103+50.00	6.59	6.59	6.61	6.61	6.74	6.74	2.58	2.58	4.56	4.56	0.60	0.60
104+00.00	6.55	6.55	6.57	6.57	6.72	6.72	2.35	2.35	4.43	4.43	0.49	0.49
104+50.00	6.52	6.52	6.53	6.53	6.70	6.70	2.56	2.56	4.23	4.23	0.34	0.34

105+00.00	6.48	6.48	6.50	6.50	6.68	6.68	2.19	2.19	4.10	4.10	0.25	0.25
105+50.00	6.45	6.45	6.47	6.47	6.67	6.67	2.29	2.29	3.97	3.97	0.16	0.16
106+00.00	6.42	6.42	6.43	6.43	6.66	6.66	1.97	1.97	3.84	3.84	0.08	0.08
106+50.00	6.39	6.39	6.41	6.41	6.67	6.67	1.70	1.70	3.74	3.74	0.03	0.03
107+00.00	6.37	6.37	6.40	6.40	6.69	6.69	1.59	1.59	3.62	3.62	-0.01	-0.01
107+50.00	6.36	6.36	6.39	6.39	6.73	6.73	1.25	1.25	3.44	3.44	-0.06	-0.06
108+00.00	6.34	6.34	6.37	6.37	6.76	6.76	0.92	0.92	3.27	3.27	-0.14	-0.14
108+50.00	7.31	6.31	7.34	6.34	7.77	6.77	1.49	0.49	4.01	3.01	0.72	-0.28
109+00.00	8.27	6.27	8.30	6.30	8.77	6.77	2.13	0.13	4.64	2.64	1.59	-0.41
109+50.00	8.24	6.24	8.26	6.26	8.78	6.78	1.75	-0.25	4.40	2.40	1.47	-0.53
110+00.00	8.20	7.20	8.23	7.23	8.80	7.80	1.53	0.53	4.18	3.18	1.40	0.40
110+50.00	8.17	7.17	8.20	7.20	8.83	7.83	1.29	0.29	3.98	2.98	1.34	0.34
111+00.00	8.15	7.15	8.18	7.18	8.92	7.92	1.20	0.20	3.81	2.81	1.28	0.28
111+50.00	8.12	7.12	8.15	7.15	9.02	8.02	1.11	0.11	3.67	2.67	1.20	0.20
112+00.00	8.09	7.09	8.13	7.13	9.11	8.11	1.10	0.10	3.55	2.55	1.15	0.15
112+50.00	8.05	7.05	8.09	7.09	9.25	8.25	0.97	-0.03	3.38	2.38	1.05	0.05
113+00.00	8.02	7.02	8.06	7.06	9.10	8.10	0.73	-0.27	3.17	2.17	0.96	-0.04
113+50.00	7.99	7.99	8.04	8.04	8.43	8.43	0.57	0.57	2.98	2.98	0.88	0.88
114+00.00	8.95	7.95	9.00	8.00	8.63	7.63	1.47	0.47	3.77	2.77	1.82	0.82
114+50.00	8.91	8.91	8.97	8.97	8.06	8.06	1.45	1.45	3.62	3.62	1.77	1.77
115+00.00	8.88	8.88	8.94	8.94	7.61	7.61	1.40	1.40	3.47	3.47	1.72	1.72
115+50.00	8.85	9.85	8.92	9.92	7.25	8.25	1.38	2.38	3.41	4.41	1.65	2.65
116+00.00	8.83	10.83	8.91	10.91	6.93	8.93	1.29	3.29	3.29	5.29	1.58	3.58
116+50.00	8.80	11.80	8.89	11.89	6.70	9.70	1.20	4.20	3.17	6.17	1.51	4.51
117+00.00	9.77	11.77	9.87	11.87	7.49	9.49	2.12	4.12	4.07	6.07	2.43	4.43
117+50.00	9.75	12.75	9.85	12.85	7.23	10.23	2.03	5.03	3.91	6.91	2.36	5.36
118+00.00	10.71	12.71	10.83	12.83	7.99	9.99	2.95	4.95	4.75	6.75	3.29	5.29
118+50.00	10.68	12.68	10.81	12.81	7.76	9.76	2.87	4.87	4.59	6.59	3.24	5.24
119+00.00	11.65	11.65	11.78	11.78	8.48	8.48	3.77	3.77	5.45	5.45	4.17	4.17
119+50.00	7.12	6.62	7.26	6.76	3.66	3.16	-0.82	-1.32	0.82	0.32	-0.41	-0.91
120+00.00	7.09	6.59	7.25	6.75	3.41	2.91	-0.90	-1.40	0.71	0.21	-0.49	-0.99
120+50.00	9.56	11.56	9.73	11.73	5.77	7.77	1.56	3.56	3.13	5.13	1.95	3.95
121+00.00	10.53	9.53	10.72	9.72	6.49	5.49	2.53	1.53	4.00	3.00	2.86	1.86
121+50.00	8.50	10.50	8.71	10.71	4.32	6.32	0.40	2.40	1.87	3.87	0.78	2.78
122+00.00	7.47	9.47	7.70	9.70	3.23	5.23	-0.69	1.31	0.77	2.77	-0.28	1.72
122+50.00	7.44	8.44	7.68	8.68	3.20	4.20	-0.76	0.24	0.65	1.65	-0.35	0.65
123+00.00	7.40	7.40	7.65	7.65	3.21	3.21	-0.84	-0.84	0.51	0.51	-0.44	-0.44

123+50.00	7.36	7.36	7.61	7.61	3.25	3.25	-0.87	-0.87	0.39	0.39	-0.49	-0.49
124+00.00	7.32	7.32	7.57	7.57	3.20	3.20	-0.93	-0.93	0.30	0.30	-0.51	-0.51
124+50.00	7.30	7.30	7.60	7.60	3.02	3.02	-1.00	-1.00	0.25	0.25	-0.59	-0.59
125+00.00	7.28	7.28	7.68	7.68	2.57	2.57	-1.01	-1.01	0.22	0.22	-0.68	-0.68
125+50.00	7.25	7.25	7.71	7.71	2.25	2.25	-1.07	-1.07	0.06	0.06	-0.76	-0.76
126+00.00	7.22	7.22	7.72	7.72	1.88	1.88	-1.25	-1.25	-0.10	-0.10	-0.83	-0.83
126+50.00	7.19	7.19	7.78	7.78	1.21	1.21	-1.33	-1.33	-0.17	-0.17	-0.86	-0.86
127+00.00	7.16	7.16	7.74	7.74	1.13	1.13	-1.39	-1.39	-0.22	-0.22	-0.88	-0.88
127+50.00	7.12	7.12	7.72	7.72	1.13	1.13	-1.41	-1.41	-0.22	-0.22	-0.92	-0.92
128+00.00	7.09	7.09	7.52	7.52	0.98	0.98	-1.46	-1.46	-0.31	-0.31	-0.96	-0.96
128+50.00	7.06	7.06	7.38	7.38	0.88	0.88	-1.47	-1.47	-0.41	-0.41	-1.02	-1.02
129+00.00	7.04	7.04	6.94	6.94	0.77	0.77	-1.54	-1.54	-0.46	-0.46	-1.06	-1.06
129+50.00	7.02	7.02	6.39	6.39	0.71	0.71	-1.58	-1.58	-0.53	-0.53	-1.12	-1.12
130+00.00	6.99	6.99	5.89	5.89	0.63	0.63	-1.63	-1.63	-0.61	-0.61	-1.18	-1.18
130+50.00	6.96	6.96	5.61	5.61	0.57	0.57	-1.65	-1.65	-0.66	-0.66	-1.22	-1.22
131+00.00	6.92	6.92	5.21	5.21	0.42	0.42	-1.68	-1.68	-0.75	-0.75	-1.24	-1.24
131+50.00	6.88	8.88	4.76	6.76	0.29	2.29	-1.74	0.26	-0.84	1.16	-1.42	0.58
132+00.00	6.82	10.82	4.32	8.32	0.14	4.14	-1.82	2.18	-0.89	3.11	-1.46	2.54
132+50.00	6.74	10.74	3.87	7.87	-0.03	3.97	-1.91	2.09	-1.00	3.00	-1.53	2.47
133+00.00	6.65	10.65	3.47	7.47	-0.20	3.80	-1.98	2.02	-1.13	2.87	-1.62	2.38
133+50.00	6.54	10.54	3.13	7.13	-0.40	3.60	-2.10	1.90	-1.27	2.73	-1.72	2.28
134+00.00	6.49	10.49	2.65	6.65	-0.58	3.42	-2.19	1.81	-1.38	2.62	-1.83	2.17
134+50.00	7.50	10.50	3.51	6.51	0.34	3.34	-1.32	1.68	-0.44	2.56	-0.88	2.12
135+00.00	7.50	10.50	3.39	6.39	0.19	3.19	-1.37	1.63	-0.50	2.50	-0.91	2.09
135+50.00	7.50	10.50	3.16	6.16	0.11	3.11	-1.38	1.62	-0.50	2.50	-0.93	2.07
136+00.00	7.50	10.50	2.98	5.98	0.07	3.07	-1.39	1.61	-0.52	2.48	-0.94	2.06
136+50.00	7.50	10.50	2.91	5.91	0.06	3.06	-1.45	1.55	-0.56	2.44	-0.98	2.02
137+00.00	7.49	10.49	2.87	5.87	-0.01	2.99	-1.47	1.53	-0.59	2.41	-1.01	1.99
137+50.00	7.48	10.48	2.80	5.80	-0.03	2.97	-1.48	1.52	-0.61	2.39	-1.04	1.96
138+00.00	7.48	10.48	2.72	5.72	-0.05	2.95	-1.51	1.49	-0.63	2.37	-1.06	1.94
138+50.00	7.49	10.49	2.66	5.66	-0.06	2.94	-1.55	1.45	-0.65	2.35	-1.08	1.92
139+00.00	7.50	10.50	2.64	5.64	-0.11	2.89	-1.58	1.42	-0.67	2.33	-1.11	1.89
139+50.00	7.52	9.52	2.55	4.55	-0.15	1.85	-1.60	0.40	-0.69	1.31	-1.14	0.86
140+00.00	7.55	8.55	2.48	3.48	-0.18	0.82	-1.62	-0.62	-0.71	0.29	-1.16	-0.16
140+50.00	7.58	8.58	2.41	3.41	-0.22	0.78	-1.65	-0.65	-0.73	0.27	-1.19	-0.19
141+00.00	7.64	8.64	2.31	3.31	-0.26	0.74	-1.67	-0.67	-0.76	0.24	-1.21	-0.21
141+50.00	7.72	8.72	2.22	3.22	-0.30	0.70	-1.69	-0.69	-0.79	0.21	-1.24	-0.24

142+00.00	7.80	8.80	2.15	3.15	-0.33	0.67	-1.72	-0.72	-0.79	0.21	-1.25	-0.25
142+50.00	7.90	8.90	2.09	3.09	-0.37	0.63	-1.74	-0.74	-0.83	0.17	-1.27	-0.27
143+00.00	7.95	8.95	2.03	3.03	-0.40	0.60	-1.74	-0.74	-0.86	0.14	-1.28	-0.28
143+50.00	8.08	8.08	1.98	1.98	-0.43	-0.43	-1.75	-1.75	-0.88	-0.88	-1.29	-1.29
144+00.00	8.22	8.22	1.92	1.92	-0.45	-0.45	-1.77	-1.77	-0.89	-0.89	-1.30	-1.30
144+50.00	7.97	7.97	1.86	1.86	-0.48	-0.48	-1.78	-1.78	-0.91	-0.91	-1.31	-1.31
145+00.00	7.39	7.39	1.81	1.81	-0.51	-0.51	-1.79	-1.79	-0.94	-0.94	-1.32	-1.32
145+50.00	6.84	6.84	1.75	1.75	-0.53	-0.53	-1.83	-1.83	-0.96	-0.96	-1.32	-1.32
146+00.00	6.44	6.44	1.76	1.76	-0.53	-0.53	-1.84	-1.84	-0.97	-0.97	-1.33	-1.33
146+50.00	5.52	5.52	1.70	1.70	-0.56	-0.56	-1.89	-1.89	-0.99	-0.99	-1.33	-1.33
147+00.00	5.21	5.21	1.56	1.56	-0.63	-0.63	-1.89	-1.89	-0.99	-0.99	-1.33	-1.33
147+40.00	5.13	5.13	1.47	1.47	-0.66	-0.66	-1.88	-1.88	-0.99	-0.99	-1.32	-1.32
147+50.00	5.26	5.26	1.63	1.63	-0.51	-0.51	-1.73	-1.73	-0.84	-0.84	-1.18	-1.18
148+00.00	5.94	5.94	2.41	2.41	0.25	0.25	-0.97	-0.97	-0.10	-0.10	-0.44	-0.44
148+50.00	6.65	6.65	3.14	3.14	0.99	0.99	-0.24	-0.24	0.63	0.63	0.27	0.27
149+00.00	7.31	7.31	3.86	3.86	1.72	1.72	0.50	0.50	1.33	1.33	1.02	1.02
149+50.00	7.96	7.96	4.58	4.58	2.43	2.43	1.23	1.23	2.04	2.04	1.74	1.74
150+00.00	8.73	8.73	5.23	5.23	3.14	3.14	1.97	1.97	2.73	2.73	2.42	2.42
150+20.00	8.97	8.97	5.47	5.47	3.41	3.41	2.24	2.24	3.01	3.01	2.70	2.70
150+50.00	8.90	8.90	5.41	5.41	3.38	3.38	2.22	2.22	2.98	2.98	2.69	2.69
151+00.00	8.59	8.59	5.29	5.29	3.30	3.30	2.19	2.19	2.92	2.92	2.65	2.65
151+50.00	8.14	8.14	5.18	5.18	3.23	3.23	2.12	2.12	2.88	2.88	2.61	2.61
152+00.00	7.88	7.88	5.04	5.04	3.17	3.17	2.12	2.12	2.86	2.86	2.59	2.59
152+50.00	7.61	7.61	4.89	4.89	3.10	3.10	2.10	2.10	2.82	2.82	2.57	2.57
153+00.00	7.33	7.33	4.79	4.79	3.03	3.03	2.06	2.06	2.78	2.78	2.54	2.54
153+50.00	7.10	7.10	4.65	4.65	2.92	2.92	2.04	2.04	2.72	2.72	2.49	2.49
154+00.00	6.93	6.93	4.56	4.56	2.85	2.85	2.00	2.00	2.64	2.64	2.43	2.43
154+50.00	6.70	6.70	4.49	4.49	2.76	2.76	1.96	1.96	2.60	2.60	2.40	2.40
154+70.00	6.61	6.61	4.46	4.46	2.74	2.74	1.95	1.95	2.58	2.58	2.39	2.39
155+00.00	6.48	7.34	4.41	5.26	2.71	3.57	1.92	2.78	2.54	3.39	2.37	3.23
155+50.00	6.29	8.56	4.29	6.56	2.65	4.92	1.88	4.15	2.49	4.76	2.29	4.57
156+00.00	7.33	9.80	5.42	7.90	3.80	6.28	3.07	5.54	3.64	6.11	3.47	5.95
156+50.00	8.37	8.10	6.57	6.30	4.93	4.66	4.23	3.96	4.79	4.52	4.63	4.35
156+75.00	8.90	7.25	7.14	5.49	5.49	3.84	4.81	3.16	5.36	3.71	5.21	3.56
157+00.00	8.23	6.40	6.51	4.67	4.87	3.03	4.20	2.36	4.72	2.89	4.59	2.75
157+30.00	7.44	5.39	5.75	3.70	4.12	2.06	3.46	1.40	3.95	1.90	3.85	1.79
157+50.00	6.90	5.44	5.24	3.77	3.62	2.16	2.96	1.50	3.44	1.98	3.33	1.87

158+00.00	5.52	5.54	3.89	3.91	2.35	2.37	1.70	1.72	2.12	2.14	2.06	2.08
158+20.00	4.96	5.57	3.32	3.93	1.84	2.45	1.18	1.79	1.58	2.19	1.53	2.14
158+50.00	5.62	5.69	4.06	4.13	2.60	2.66	1.94	2.00	2.29	2.36	2.26	2.33
159+00.00	5.94	6.05	4.39	4.51	2.94	3.06	2.30	2.42	2.63	2.75	2.53	2.65
159+50.00	6.33	6.49	4.79	4.95	3.31	3.47	2.66	2.82	3.04	3.21	2.93	3.09
160+00.00	6.67	6.88	5.18	5.39	3.71	3.91	3.07	3.28	3.44	3.65	3.35	3.56
160+50.00	6.99	7.24	5.55	5.80	4.10	4.36	3.45	3.70	3.83	4.08	3.72	3.97
161+00.00	7.21	7.51	5.78	6.09	4.43	4.73	3.79	4.09	4.08	4.38	3.98	4.28
161+50.00	7.45	7.32	6.02	5.89	4.69	4.56	4.04	3.91	4.40	4.26	4.33	4.20
162+00.00	7.78	7.21	6.40	5.83	5.10	4.53	4.43	3.87	4.79	4.23	4.72	4.16
162+50.00	8.15	7.15	6.81	5.81	5.51	4.51	4.86	3.86	5.23	4.23	5.15	4.15
162+60.00	8.14	7.13	6.81	5.80	5.51	4.50	4.86	3.85	5.24	4.23	5.14	4.14
162+61.00	8.14	8.13	6.81	6.80	5.51	5.50	4.86	4.85	5.24	5.23	5.14	5.13
163+00.00	8.08	8.04	6.79	6.75	5.50	5.46	4.86	4.82	5.23	5.19	5.14	5.10
163+40.00	8.05	7.98	6.77	6.70	5.50	5.42	4.87	4.79	5.23	5.15	5.14	5.07
163+50.00	8.04	7.95	6.77	6.68	5.49	5.41	4.87	4.78	5.23	5.14	5.15	5.06
163+75.00	8.00	7.89	6.75	6.64	5.49	5.38	4.87	4.76	5.23	5.12	5.15	5.04
164+00.00	7.96	7.82	6.74	6.60	5.48	5.35	4.86	4.73	5.23	5.10	5.15	5.02
164+10.00	7.94	7.80	6.73	6.59	5.48	5.33	4.86	4.72	5.23	5.09	5.15	5.01
164+50.00	7.90	7.72	6.70	6.53	5.46	5.29	4.86	4.68	5.22	5.05	5.15	4.98
165+00.00	7.87	7.65	6.69	6.47	5.46	5.24	4.86	4.65	5.23	5.01	5.16	4.94
165+50.00	7.83	7.57	6.66	6.40	5.46	5.20	4.87	4.61	5.24	4.97	5.18	4.92
166+00.00	7.80	7.49	6.64	6.33	5.46	5.15	4.86	4.55	5.22	4.92	5.18	4.87
166+50.00	7.79	7.44	6.63	6.28	5.46	5.10	4.87	4.51	5.24	4.89	5.20	4.85
166+60.00	7.78	7.42	6.63	6.27	5.45	5.09	4.86	4.50	5.25	4.89	5.20	4.84
167+00.00	7.60	7.34	6.48	6.21	5.31	5.05	4.72	4.46	5.12	4.86	5.08	4.81
167+50.00	7.41	7.27	6.28	6.14	5.13	4.99	4.56	4.42	4.93	4.80	4.91	4.77
168+00.00	7.22	7.20	6.10	6.08	4.95	4.94	4.40	4.38	4.79	4.77	4.76	4.74
168+05.00	7.20	7.19	6.08	6.08	4.94	4.93	4.38	4.37	4.77	4.77	4.74	4.74
168+06.00	7.20	3.98	6.08	2.87	4.94	1.72	4.38	1.16	4.77	1.56	4.74	1.53
168+15.00	7.16	4.17	6.05	3.05	4.91	1.92	4.35	1.36	4.74	1.75	4.71	1.72
168+16.00	3.89	4.19	2.78	3.08	1.64	1.94	1.08	1.38	1.47	1.77	1.44	1.74
168+50.00	4.73	4.86	3.64	3.77	2.51	2.65	1.94	2.08	2.35	2.49	2.33	2.46
168+80.00	5.47	5.46	4.39	4.38	3.27	3.25	2.70	2.69	3.13	3.11	3.10	3.09
168+90.00	5.73	5.19	4.65	4.11	3.52	2.99	2.96	2.42	3.39	2.85	3.36	2.83
169+00.00	5.48	4.93	4.40	3.85	3.28	2.72	2.72	2.16	3.15	2.60	3.13	2.57
169+50.00	4.26	3.60	3.20	2.54	2.10	1.44	1.51	0.85	1.97	1.31	1.95	1.29

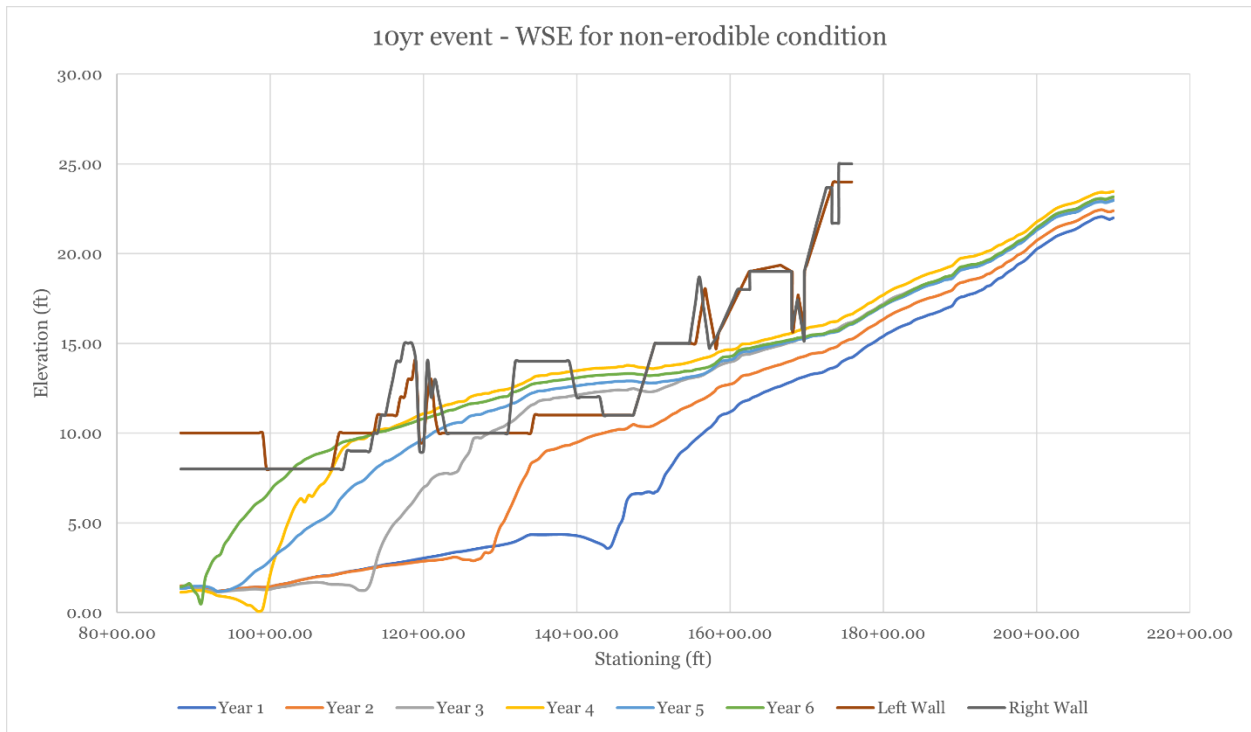
169+69.00	3.80	3.11	2.74	2.04	1.64	0.94	1.05	0.36	1.52	0.82	1.50	0.80
169+70.00	3.78	6.93	2.71	5.87	1.62	4.77	1.03	4.18	1.49	4.65	1.48	4.63
169+75.00	3.66	7.01	2.59	5.95	1.50	4.85	0.91	4.26	1.37	4.73	1.36	4.71
169+76.00	6.96	7.03	5.89	5.96	4.80	4.87	4.21	4.28	4.67	4.74	4.66	4.73
170+00.00	7.24	7.39	6.18	6.33	5.09	5.24	4.51	4.66	4.97	5.13	4.96	5.11
170+50.00	7.84	8.16	6.76	7.08	5.67	5.99	5.11	5.43	5.58	5.89	5.56	5.88
171+00.00	8.47	8.96	7.40	7.89	6.31	6.80	5.76	6.25	6.20	6.69	6.21	6.70
171+30.00	8.85	9.44	7.79	8.38	6.70	7.29	6.14	6.73	6.59	7.18	6.60	7.19
171+50.00	9.10	9.73	8.05	8.69	6.96	7.59	6.40	7.03	6.86	7.49	6.86	7.50
172+00.00	9.73	10.46	8.70	9.44	7.62	8.36	7.06	7.79	7.53	8.27	7.53	8.27
172+50.00	10.32	11.16	9.29	10.14	8.23	9.07	7.68	8.53	8.15	9.00	8.16	9.00
172+58.00	10.40	11.26	9.37	10.24	8.31	9.18	7.77	8.63	8.24	9.11	8.25	9.11
173+00.00	10.87	11.19	9.85	10.17	8.78	9.10	8.24	8.56	8.73	9.05	8.75	9.07
173+30.00	11.23	11.16	10.21	10.14	9.14	9.07	8.61	8.54	9.11	9.04	9.12	9.05
173+31.00	11.24	9.19	10.22	8.17	9.15	7.10	8.62	6.57	9.12	7.07	9.13	7.08
173+50.00	11.46	9.16	10.44	8.14	9.39	7.09	8.87	6.57	9.36	7.06	9.37	7.07
173+90.00	11.40	9.10	10.37	8.07	9.35	7.05	8.86	6.56	9.34	7.04	9.36	7.06
174+00.00	11.38	9.08	10.35	8.05	9.33	7.03	8.85	6.55	9.33	7.03	9.35	7.05
174+20.00	11.32	9.02	10.29	7.99	9.29	6.99	8.81	6.51	9.30	7.00	9.33	7.03
174+21.00	11.32	12.32	10.29	11.29	9.29	10.29	8.81	9.81	9.30	10.30	9.32	10.32
174+50.00	11.22	12.22	10.18	11.18	9.22	10.22	8.73	9.73	9.23	10.23	9.25	10.25
174+70.00	11.16	12.16	10.15	11.15	9.17	10.17	8.68	9.68	9.19	10.19	9.21	10.21
175+00.00	11.10	12.10	10.10	11.10	9.12	10.12	8.62	9.62	9.12	10.12	9.16	10.16
175+50.00	11.03	12.03	10.00	11.00	9.04	10.04	8.55	9.55	9.03	10.03	9.06	10.06
175+90.00	10.99	11.99	9.97	10.97	9.01	10.01	8.51	9.51	9.00	10.00	9.03	10.03

Non-Erodible Condition

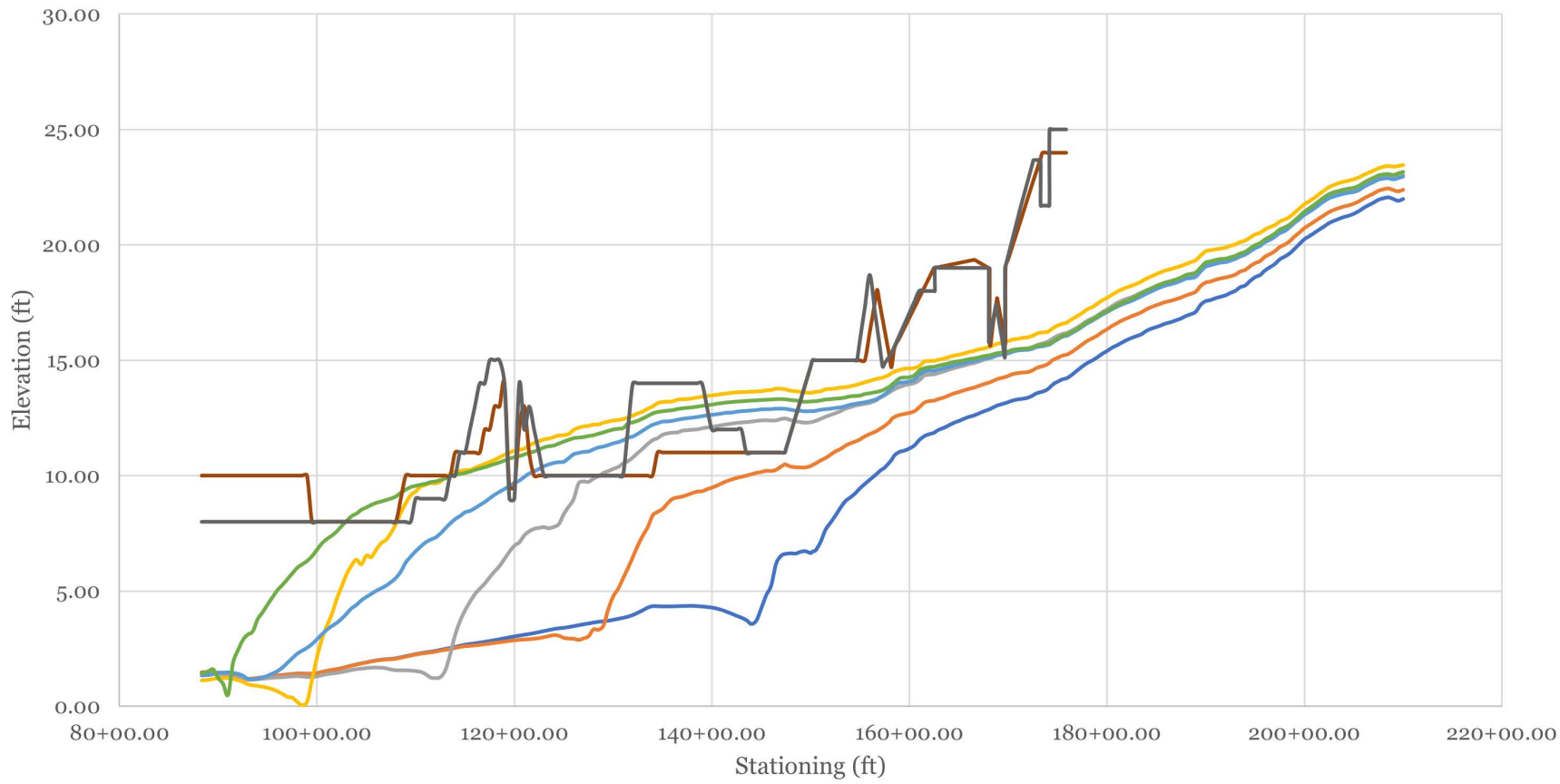
Event: 10yr frequency storm

10yr Event (Non-erodible condition)

Sedimentation Condition	No. locations <2ft	To top left (ft)	To top right (ft)	Left wall STA	Right wall STA
1 year	0	2.58	2.03	169+75.00	169+69.00
2 years	46	0.52	0.52	147+40.00	147+40.00
3 years	117	-1.54	-1.48	134+00.00	147+40.00
4 years	235	-3.00	-2.77	134+00.00	146+50.00
5 years	159	-2.21	-1.91	134+00.00	146+50.00
6 years	244	-2.70	-2.32	134+00.00	147+00.00



10yr event - WSE for non-erodible condition



Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 Left Wall Right Wall

10yr Event (Non-erodible condition) - Freeboard to top of the wall (ft)

STA	SED1		SED2		SED3		SED4		SED5		SED6	
	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall
88+33.00	8.52	6.52	8.53	6.53	8.57	6.57	8.87	6.87	8.66	6.66	8.58	6.58
89+00.00	8.52	6.52	8.53	6.53	8.58	6.58	8.85	6.85	8.64	6.64	8.48	6.48
89+50.00	8.53	6.53	8.54	6.54	8.58	6.58	8.81	6.81	8.60	6.60	8.40	6.40
90+00.00	8.55	6.55	8.56	6.56	8.60	6.60	8.78	6.78	8.53	6.53	8.78	6.78
90+50.00	8.59	6.59	8.60	6.60	8.63	6.63	8.76	6.76	8.53	6.53	9.03	7.03
91+00.00	8.64	6.64	8.65	6.65	8.68	6.68	8.77	6.77	8.53	6.53	9.51	7.51
91+50.00	8.69	6.69	8.70	6.70	8.73	6.73	8.80	6.80	8.55	6.55	8.12	6.12
92+00.00	8.74	6.74	8.75	6.75	8.77	6.77	8.86	6.86	8.59	6.59	7.58	5.58
92+50.00	8.77	6.77	8.78	6.78	8.80	6.80	8.92	6.92	8.67	6.67	7.13	5.13
93+00.00	8.80	6.80	8.81	6.81	8.84	6.84	9.04	7.04	8.80	6.80	6.89	4.89
93+50.00	8.79	6.79	8.80	6.80	8.84	6.84	9.08	7.08	8.83	6.83	6.76	4.76
94+00.00	8.77	6.77	8.78	6.78	8.82	6.82	9.11	7.11	8.80	6.80	6.22	4.22
94+50.00	8.73	6.73	8.75	6.75	8.79	6.79	9.14	7.14	8.75	6.75	5.92	3.92
95+00.00	8.70	6.70	8.72	6.72	8.77	6.77	9.19	7.19	8.67	6.67	5.59	3.59
95+50.00	8.68	6.68	8.69	6.69	8.75	6.75	9.25	7.25	8.58	6.58	5.27	3.27
96+00.00	8.66	6.66	8.67	6.67	8.74	6.74	9.34	7.34	8.47	6.47	4.97	2.97
96+50.00	8.64	6.64	8.65	6.65	8.73	6.73	9.45	7.45	8.32	6.32	4.74	2.74
97+00.00	8.62	6.62	8.63	6.63	8.71	6.71	9.58	7.58	8.12	6.12	4.50	2.50
97+50.00	8.59	6.59	8.61	6.61	8.69	6.69	9.61	7.61	7.91	5.91	4.24	2.24
98+00.00	8.57	6.57	8.59	6.59	8.68	6.68	9.80	7.80	7.72	5.72	4.00	2.00
98+50.00	8.57	6.57	8.59	6.59	8.70	6.70	9.94	7.94	7.58	5.58	3.85	1.85
99+00.00	8.58	6.58	8.60	6.60	8.72	6.72	9.80	7.80	7.46	5.46	3.70	1.70
99+50.00	6.58	6.58	6.60	6.60	6.72	6.72	6.84	6.84	5.30	5.30	1.49	1.49
100+00.00	6.55	6.55	6.57	6.57	6.69	6.69	5.87	5.87	5.09	5.09	1.21	1.21
100+50.00	6.50	6.50	6.52	6.52	6.64	6.64	5.08	5.08	4.87	4.87	0.94	0.94
101+00.00	6.46	6.46	6.47	6.47	6.60	6.60	4.51	4.51	4.68	4.68	0.75	0.75
101+50.00	6.42	6.42	6.43	6.43	6.57	6.57	4.01	4.01	4.52	4.52	0.61	0.61
102+00.00	6.38	6.38	6.40	6.40	6.54	6.54	3.35	3.35	4.38	4.38	0.43	0.43
102+50.00	6.34	6.34	6.35	6.35	6.50	6.50	2.80	2.80	4.20	4.20	0.19	0.19
103+00.00	6.28	6.28	6.30	6.30	6.46	6.46	2.27	2.27	3.98	3.98	-0.03	-0.03
103+50.00	6.23	6.23	6.24	6.24	6.41	6.41	1.89	1.89	3.75	3.75	-0.24	-0.24
104+00.00	6.18	6.18	6.20	6.20	6.38	6.38	1.64	1.64	3.60	3.60	-0.35	-0.35
104+50.00	6.13	6.13	6.15	6.15	6.36	6.36	1.84	1.84	3.40	3.40	-0.52	-0.52

105+00.00	6.09	6.09	6.11	6.11	6.33	6.33	1.46	1.46	3.26	3.26	-0.62	-0.62
105+50.00	6.04	6.04	6.06	6.06	6.32	6.32	1.53	1.53	3.12	3.12	-0.73	-0.73
106+00.00	6.00	6.00	6.03	6.03	6.31	6.31	1.21	1.21	2.99	2.99	-0.82	-0.82
106+50.00	5.97	5.97	6.00	6.00	6.32	6.32	0.93	0.93	2.88	2.88	-0.87	-0.87
107+00.00	5.95	5.95	5.98	5.98	6.34	6.34	0.78	0.78	2.77	2.77	-0.94	-0.94
107+50.00	5.94	5.94	5.97	5.97	6.39	6.39	0.48	0.48	2.61	2.61	-1.01	-1.01
108+00.00	5.91	5.91	5.94	5.94	6.43	6.43	0.09	0.09	2.43	2.43	-1.10	-1.10
108+50.00	6.87	5.87	6.90	5.90	7.43	6.43	0.60	-0.40	3.15	2.15	-0.26	-1.26
109+00.00	7.82	5.82	7.85	5.85	8.43	6.43	1.19	-0.81	3.76	1.76	0.61	-1.39
109+50.00	7.78	5.78	7.80	5.80	8.44	6.44	0.84	-1.16	3.50	1.50	0.50	-1.50
110+00.00	7.73	6.73	7.76	6.76	8.46	7.46	0.69	-0.31	3.27	2.27	0.44	-0.56
110+50.00	7.69	6.69	7.72	6.72	8.49	7.49	0.48	-0.52	3.07	2.07	0.40	-0.60
111+00.00	7.66	6.66	7.70	6.70	8.60	7.60	0.40	-0.60	2.89	1.89	0.35	-0.65
111+50.00	7.63	6.63	7.67	6.67	8.74	7.74	0.32	-0.68	2.77	1.77	0.28	-0.72
112+00.00	7.59	6.59	7.64	6.64	8.76	7.76	0.33	-0.67	2.68	1.68	0.26	-0.74
112+50.00	7.55	6.55	7.59	6.59	8.73	7.73	0.26	-0.74	2.51	1.51	0.19	-0.81
113+00.00	7.51	6.51	7.55	6.55	8.42	7.42	0.07	-0.93	2.28	1.28	0.12	-0.88
113+50.00	7.47	7.47	7.52	7.52	7.72	7.72	-0.07	-0.07	2.07	2.07	0.03	0.03
114+00.00	8.42	7.42	8.48	7.48	7.89	6.89	0.82	-0.18	2.88	1.88	0.97	-0.03
114+50.00	8.37	8.37	8.43	8.43	7.29	7.29	0.80	0.80	2.74	2.74	0.92	0.92
115+00.00	8.32	8.32	8.40	8.40	6.83	6.83	0.76	0.76	2.59	2.59	0.89	0.89
115+50.00	8.29	9.29	8.38	9.38	6.46	7.46	0.76	1.76	2.52	3.52	0.83	1.83
116+00.00	8.26	10.26	8.36	10.36	6.13	8.13	0.66	2.66	2.41	4.41	0.75	2.75
116+50.00	8.23	11.23	8.34	11.34	5.89	8.89	0.57	3.57	2.27	5.27	0.69	3.69
117+00.00	9.20	11.20	9.31	11.31	6.67	8.67	1.49	3.49	3.14	5.14	1.64	3.64
117+50.00	9.16	12.16	9.29	12.29	6.39	9.39	1.41	4.41	2.98	5.98	1.57	4.57
118+00.00	10.12	12.12	10.26	12.26	7.14	9.14	2.31	4.31	3.82	5.82	2.49	4.49
118+50.00	10.09	12.09	10.23	12.23	6.91	8.91	2.21	4.21	3.70	5.70	2.43	4.43
119+00.00	11.05	11.05	11.20	11.20	7.60	7.60	3.09	3.09	4.57	4.57	3.35	3.35
119+50.00	6.51	6.01	6.67	6.17	2.79	2.29	-1.50	-2.00	-0.05	-0.55	-1.24	-1.74
120+00.00	6.47	5.97	6.65	6.15	2.53	2.03	-1.58	-2.08	-0.19	-0.69	-1.30	-1.80
120+50.00	8.93	10.93	9.12	11.12	4.88	6.88	0.87	2.87	2.21	4.21	1.16	3.16
121+00.00	9.89	8.89	10.11	9.11	5.58	4.58	1.83	0.83	3.05	2.05	2.08	1.08
121+50.00	7.86	9.86	8.09	10.09	3.41	5.41	-0.32	1.68	0.90	2.90	0.01	2.01
122+00.00	6.82	8.82	7.07	9.07	2.30	4.30	-1.41	0.59	-0.19	1.81	-1.04	0.96
122+50.00	6.78	7.78	7.05	8.05	2.26	3.26	-1.50	-0.50	-0.29	0.71	-1.12	-0.12
123+00.00	6.73	6.73	7.01	7.01	2.23	2.23	-1.57	-1.57	-0.41	-0.41	-1.22	-1.22

123+50.00	6.69	6.69	6.96	6.96	2.27	2.27	-1.61	-1.61	-0.49	-0.49	-1.27	-1.27
124+00.00	6.64	6.64	6.92	6.92	2.22	2.22	-1.68	-1.68	-0.56	-0.56	-1.30	-1.30
124+50.00	6.61	6.61	6.95	6.95	2.09	2.09	-1.74	-1.74	-0.59	-0.59	-1.39	-1.39
125+00.00	6.59	6.59	7.04	7.04	1.66	1.66	-1.75	-1.75	-0.61	-0.61	-1.48	-1.48
125+50.00	6.56	6.56	7.07	7.07	1.34	1.34	-1.81	-1.81	-0.76	-0.76	-1.55	-1.55
126+00.00	6.52	6.52	7.07	7.07	1.01	1.01	-1.99	-1.99	-0.93	-0.93	-1.62	-1.62
126+50.00	6.48	6.48	7.13	7.13	0.33	0.33	-2.08	-2.08	-0.99	-0.99	-1.65	-1.65
127+00.00	6.44	6.44	7.06	7.06	0.25	0.25	-2.13	-2.13	-1.04	-1.04	-1.67	-1.67
127+50.00	6.40	6.40	6.97	6.97	0.27	0.27	-2.16	-2.16	-1.05	-1.05	-1.71	-1.71
128+00.00	6.36	6.36	6.67	6.67	0.13	0.13	-2.21	-2.21	-1.15	-1.15	-1.75	-1.75
128+50.00	6.33	6.33	6.69	6.69	0.02	0.02	-2.21	-2.21	-1.23	-1.23	-1.81	-1.81
129+00.00	6.31	6.31	6.52	6.52	-0.12	-0.12	-2.30	-2.30	-1.26	-1.26	-1.87	-1.87
129+50.00	6.28	6.28	5.80	5.80	-0.20	-0.20	-2.34	-2.34	-1.33	-1.33	-1.94	-1.94
130+00.00	6.25	6.25	5.24	5.24	-0.30	-0.30	-2.39	-2.39	-1.40	-1.40	-2.00	-2.00
130+50.00	6.21	6.21	4.92	4.92	-0.38	-0.38	-2.41	-2.41	-1.45	-1.45	-2.03	-2.03
131+00.00	6.16	6.16	4.46	4.46	-0.53	-0.53	-2.45	-2.45	-1.54	-1.54	-2.05	-2.05
131+50.00	6.11	8.11	4.01	6.01	-0.63	1.37	-2.52	-0.52	-1.65	0.35	-2.26	-0.26
132+00.00	6.04	10.04	3.53	7.53	-0.79	3.21	-2.60	1.40	-1.70	2.30	-2.31	1.69
132+50.00	5.94	9.94	3.03	7.03	-0.99	3.01	-2.70	1.30	-1.82	2.18	-2.38	1.62
133+00.00	5.83	9.83	2.61	6.61	-1.18	2.82	-2.78	1.22	-1.96	2.04	-2.48	1.52
133+50.00	5.71	9.71	2.24	6.24	-1.37	2.63	-2.90	1.10	-2.09	1.91	-2.58	1.42
134+00.00	5.65	9.65	1.73	5.73	-1.54	2.46	-3.00	1.00	-2.21	1.79	-2.70	1.30
134+50.00	6.66	9.66	2.58	5.58	-0.63	2.37	-2.14	0.86	-1.28	1.72	-1.76	1.24
135+00.00	6.66	9.66	2.45	5.45	-0.77	2.23	-2.19	0.81	-1.35	1.65	-1.79	1.21
135+50.00	6.66	9.66	2.22	5.22	-0.84	2.16	-2.21	0.79	-1.35	1.65	-1.81	1.19
136+00.00	6.66	9.66	2.02	5.02	-0.87	2.13	-2.22	0.78	-1.38	1.62	-1.84	1.16
136+50.00	6.65	9.65	1.95	4.95	-0.87	2.13	-2.29	0.71	-1.42	1.58	-1.88	1.12
137+00.00	6.65	9.65	1.91	4.91	-0.95	2.05	-2.31	0.69	-1.47	1.53	-1.92	1.08
137+50.00	6.64	9.64	1.84	4.84	-0.97	2.03	-2.32	0.68	-1.49	1.51	-1.94	1.06
138+00.00	6.64	9.64	1.76	4.76	-1.00	2.00	-2.34	0.66	-1.52	1.48	-1.96	1.04
138+50.00	6.65	9.65	1.70	4.70	-1.00	2.00	-2.39	0.61	-1.55	1.45	-1.99	1.01
139+00.00	6.67	9.67	1.69	4.69	-1.06	1.94	-2.42	0.58	-1.58	1.42	-2.02	0.98
139+50.00	6.69	8.69	1.60	3.60	-1.09	0.91	-2.45	-0.45	-1.61	0.39	-2.05	-0.05
140+00.00	6.71	7.71	1.53	2.53	-1.12	-0.12	-2.48	-1.48	-1.64	-0.64	-2.08	-1.08
140+50.00	6.76	7.76	1.44	2.44	-1.15	-0.15	-2.51	-1.51	-1.67	-0.67	-2.11	-1.11
141+00.00	6.82	7.82	1.34	2.34	-1.19	-0.19	-2.54	-1.54	-1.70	-0.70	-2.14	-1.14
141+50.00	6.90	7.90	1.25	2.25	-1.22	-0.22	-2.56	-1.56	-1.73	-0.73	-2.17	-1.17

142+00.00	6.98	7.98	1.17	2.17	-1.26	-0.26	-2.59	-1.59	-1.74	-0.74	-2.19	-1.19
142+50.00	7.07	8.07	1.11	2.11	-1.29	-0.29	-2.61	-1.61	-1.77	-0.77	-2.21	-1.21
143+00.00	7.16	8.16	1.06	2.06	-1.31	-0.31	-2.62	-1.62	-1.80	-0.80	-2.22	-1.22
143+50.00	7.26	7.26	1.00	1.00	-1.32	-1.32	-2.63	-2.63	-1.81	-1.81	-2.24	-2.24
144+00.00	7.43	7.43	0.95	0.95	-1.34	-1.34	-2.64	-2.64	-1.83	-1.83	-2.25	-2.25
144+50.00	7.28	7.28	0.89	0.89	-1.37	-1.37	-2.65	-2.65	-1.85	-1.85	-2.26	-2.26
145+00.00	6.74	6.74	0.85	0.85	-1.40	-1.40	-2.66	-2.66	-1.88	-1.88	-2.28	-2.28
145+50.00	6.18	6.18	0.80	0.80	-1.40	-1.40	-2.70	-2.70	-1.89	-1.89	-2.29	-2.29
146+00.00	5.76	5.76	0.81	0.81	-1.39	-1.39	-2.71	-2.71	-1.89	-1.89	-2.30	-2.30
146+50.00	4.81	4.81	0.76	0.76	-1.40	-1.40	-2.77	-2.77	-1.91	-1.91	-2.31	-2.31
147+00.00	4.47	4.47	0.61	0.61	-1.46	-1.46	-2.76	-2.76	-1.91	-1.91	-2.32	-2.32
147+40.00	4.39	4.39	0.52	0.52	-1.48	-1.48	-2.75	-2.75	-1.90	-1.90	-2.31	-2.31
147+50.00	4.53	4.53	0.68	0.68	-1.33	-1.33	-2.60	-2.60	-1.76	-1.76	-2.16	-2.16
148+00.00	5.22	5.22	1.47	1.47	-0.55	-0.55	-1.82	-1.82	-1.00	-1.00	-1.42	-1.42
148+50.00	5.95	5.95	2.22	2.22	0.22	0.22	-1.09	-1.09	-0.25	-0.25	-0.69	-0.69
149+00.00	6.58	6.58	2.94	2.94	0.97	0.97	-0.34	-0.34	0.47	0.47	0.07	0.07
149+50.00	7.28	7.28	3.65	3.65	1.70	1.70	0.40	0.40	1.21	1.21	0.80	0.80
150+00.00	8.07	8.07	4.30	4.30	2.40	2.40	1.13	1.13	1.91	1.91	1.50	1.50
150+20.00	8.28	8.28	4.54	4.54	2.66	2.66	1.39	1.39	2.20	2.20	1.78	1.78
150+50.00	8.24	8.24	4.48	4.48	2.63	2.63	1.37	1.37	2.19	2.19	1.78	1.78
151+00.00	7.87	7.87	4.35	4.35	2.54	2.54	1.34	1.34	2.14	2.14	1.74	1.74
151+50.00	7.34	7.34	4.25	4.25	2.45	2.45	1.26	1.26	2.11	2.11	1.70	1.70
152+00.00	7.04	7.04	4.10	4.10	2.37	2.37	1.24	1.24	2.10	2.10	1.69	1.69
152+50.00	6.74	6.74	3.96	3.96	2.29	2.29	1.22	1.22	2.06	2.06	1.66	1.66
153+00.00	6.40	6.40	3.86	3.86	2.21	2.21	1.19	1.19	2.03	2.03	1.65	1.65
153+50.00	6.11	6.11	3.71	3.71	2.10	2.10	1.17	1.17	1.99	1.99	1.62	1.62
154+00.00	5.95	5.95	3.61	3.61	2.03	2.03	1.13	1.13	1.92	1.92	1.56	1.56
154+50.00	5.77	5.77	3.53	3.53	1.96	1.96	1.08	1.08	1.89	1.89	1.55	1.55
154+70.00	5.68	5.68	3.50	3.50	1.94	1.94	1.06	1.06	1.87	1.87	1.55	1.55
155+00.00	5.55	6.40	3.44	4.29	1.93	2.78	1.02	1.88	1.84	2.70	1.53	2.39
155+50.00	5.35	7.63	3.30	5.58	1.88	4.16	0.95	3.23	1.82	4.09	1.46	3.74
156+00.00	6.39	8.87	4.43	6.90	3.07	5.54	2.11	4.59	2.99	5.46	2.66	5.13
156+50.00	7.44	7.16	5.56	5.29	4.21	3.93	3.27	3.00	4.15	3.88	3.83	3.56
156+75.00	7.95	6.30	6.11	4.46	4.76	3.11	3.86	2.21	4.72	3.07	4.43	2.78
157+00.00	7.28	5.44	5.47	3.63	4.11	2.28	3.26	1.43	4.08	2.25	3.82	1.98
157+30.00	6.49	4.44	4.69	2.64	3.35	1.29	2.53	0.48	3.31	1.25	3.09	1.03
157+50.00	5.97	4.51	4.17	2.71	2.84	1.37	2.04	0.58	2.80	1.33	2.58	1.12

158+00.00	4.58	4.59	2.84	2.86	1.54	1.56	0.78	0.80	1.45	1.47	1.30	1.32
158+20.00	4.01	4.62	2.26	2.87	1.02	1.63	0.26	0.87	0.90	1.51	0.76	1.37
158+50.00	4.64	4.71	2.99	3.06	1.78	1.85	1.02	1.09	1.60	1.67	1.49	1.56
159+00.00	4.93	5.04	3.34	3.46	2.12	2.24	1.39	1.50	1.94	2.05	1.75	1.87
159+50.00	5.31	5.47	3.73	3.89	2.48	2.64	1.76	1.92	2.35	2.51	2.15	2.31
160+00.00	5.65	5.86	4.12	4.33	2.86	3.07	2.19	2.40	2.74	2.95	2.57	2.77
160+50.00	5.95	6.21	4.48	4.74	3.25	3.51	2.60	2.85	3.11	3.36	2.92	3.18
161+00.00	6.15	6.45	4.74	5.04	3.56	3.86	2.95	3.25	3.32	3.63	3.15	3.45
161+50.00	6.42	6.29	4.98	4.85	3.80	3.67	3.19	3.06	3.62	3.49	3.48	3.35
162+00.00	6.77	6.20	5.35	4.78	4.19	3.62	3.60	3.03	4.01	3.45	3.87	3.30
162+50.00	7.14	6.14	5.76	4.76	4.61	3.61	4.03	3.03	4.45	3.45	4.28	3.28
162+60.00	7.11	6.11	5.75	4.74	4.60	3.59	4.03	3.02	4.45	3.44	4.29	3.28
162+61.00	7.11	7.10	5.75	5.74	4.60	4.59	4.03	4.02	4.45	4.44	4.29	4.28
163+00.00	7.05	7.00	5.73	5.68	4.59	4.54	4.02	3.98	4.44	4.39	4.27	4.23
163+40.00	7.02	6.94	5.71	5.63	4.57	4.49	4.02	3.94	4.43	4.35	4.27	4.19
163+50.00	7.01	6.92	5.71	5.62	4.57	4.48	4.01	3.93	4.42	4.34	4.27	4.18
163+75.00	6.98	6.87	5.69	5.58	4.56	4.45	4.01	3.90	4.42	4.31	4.27	4.16
164+00.00	6.95	6.82	5.66	5.53	4.54	4.41	3.99	3.86	4.42	4.28	4.26	4.13
164+10.00	6.93	6.79	5.65	5.51	4.54	4.40	3.99	3.85	4.41	4.27	4.26	4.12
164+50.00	6.88	6.71	5.62	5.45	4.52	4.34	3.98	3.80	4.39	4.22	4.25	4.08
165+00.00	6.85	6.63	5.60	5.38	4.50	4.29	3.98	3.76	4.39	4.18	4.26	4.04
165+50.00	6.80	6.54	5.58	5.32	4.49	4.23	3.98	3.71	4.39	4.13	4.27	4.00
166+00.00	6.76	6.45	5.56	5.25	4.48	4.17	3.96	3.65	4.37	4.06	4.26	3.95
166+50.00	6.75	6.40	5.55	5.20	4.47	4.12	3.95	3.60	4.38	4.03	4.27	3.92
166+60.00	6.74	6.38	5.55	5.19	4.47	4.11	3.95	3.59	4.38	4.02	4.27	3.91
167+00.00	6.57	6.31	5.38	5.12	4.32	4.06	3.79	3.53	4.25	3.99	4.14	3.88
167+50.00	6.36	6.22	5.19	5.05	4.13	3.99	3.63	3.49	4.05	3.91	3.97	3.83
168+00.00	6.16	6.14	5.00	4.98	3.94	3.92	3.45	3.43	3.90	3.88	3.81	3.79
168+05.00	6.14	6.13	4.98	4.98	3.92	3.92	3.43	3.43	3.88	3.88	3.79	3.79
168+06.00	6.13	2.92	4.98	1.77	3.92	0.71	3.43	0.22	3.88	0.67	3.79	0.58
168+15.00	6.09	3.10	4.94	1.95	3.89	0.90	3.40	0.41	3.85	0.86	3.76	0.77
168+16.00	2.82	3.12	1.67	1.97	0.62	0.92	0.13	0.43	0.58	0.88	0.49	0.79
168+50.00	3.66	3.80	2.52	2.66	1.48	1.62	0.98	1.12	1.45	1.59	1.36	1.50
168+80.00	4.41	4.40	3.27	3.26	2.23	2.22	1.73	1.72	2.22	2.21	2.13	2.12
168+90.00	4.66	4.13	3.52	2.99	2.48	1.95	1.99	1.45	2.48	1.95	2.39	1.86
169+00.00	4.41	3.86	3.28	2.72	2.24	1.69	1.75	1.19	2.24	1.69	2.15	1.60
169+50.00	3.19	2.53	2.06	1.41	1.05	0.39	0.53	-0.12	1.05	0.39	0.97	0.31

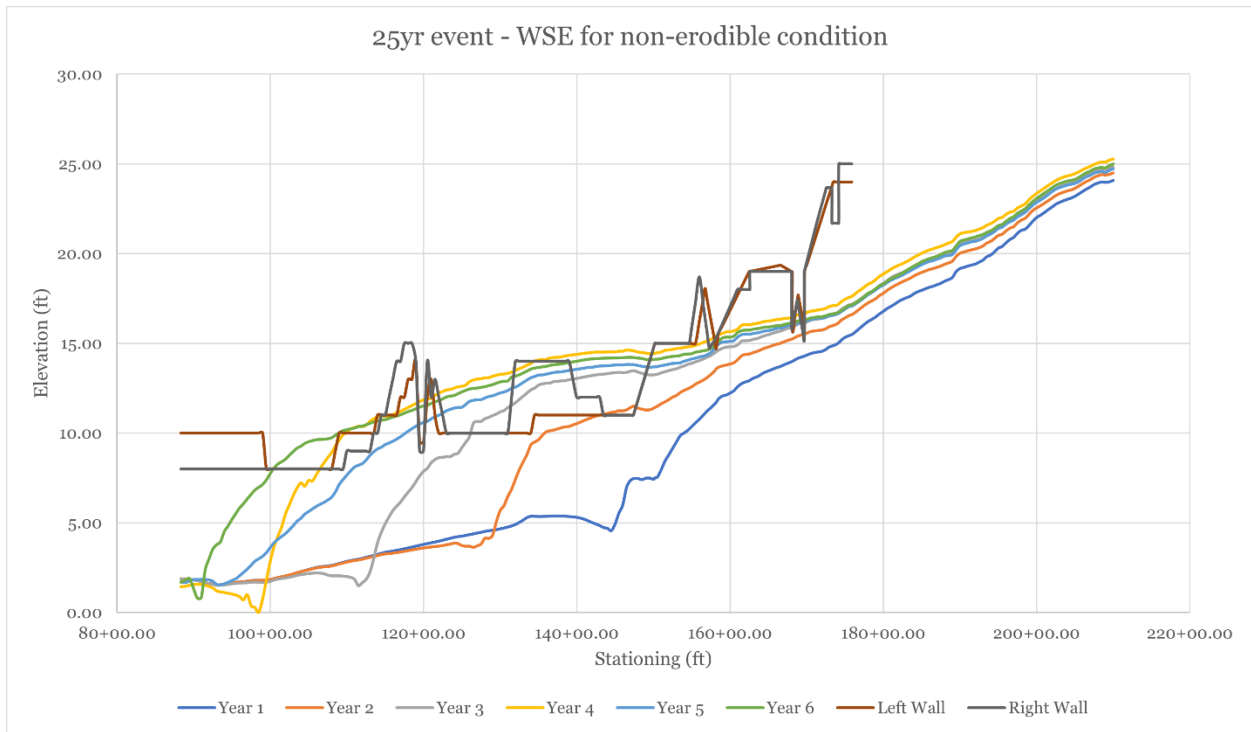
169+69.00	2.73	2.03	1.60	0.90	0.60	-0.10	0.07	-0.63	0.60	-0.10	0.52	-0.18
169+70.00	2.70	5.86	1.58	4.73	0.57	3.73	0.05	3.20	0.57	3.73	0.49	3.65
169+75.00	2.58	5.93	1.46	4.81	0.45	3.81	-0.07	3.28	0.45	3.81	0.37	3.73
169+76.00	5.88	5.95	4.76	4.83	3.75	3.82	3.22	3.30	3.75	3.82	3.67	3.74
170+00.00	6.16	6.31	5.04	5.19	4.04	4.19	3.52	3.67	4.05	4.20	3.97	4.12
170+50.00	6.75	7.07	5.61	5.93	4.61	4.93	4.11	4.43	4.63	4.95	4.56	4.88
171+00.00	7.37	7.86	6.24	6.73	5.24	5.72	4.75	5.24	5.25	5.74	5.20	5.69
171+30.00	7.76	8.35	6.63	7.22	5.62	6.21	5.12	5.71	5.64	6.23	5.59	6.18
171+50.00	8.01	8.65	6.89	7.52	5.87	6.51	5.38	6.01	5.90	6.53	5.85	6.48
172+00.00	8.64	9.38	7.54	8.28	6.52	7.26	6.03	6.77	6.57	7.31	6.51	7.25
172+50.00	9.22	10.07	8.14	8.98	7.13	7.97	6.64	7.48	7.19	8.03	7.13	7.98
172+58.00	9.30	10.17	8.22	9.08	7.21	8.08	6.72	7.59	7.27	8.14	7.22	8.08
173+00.00	9.76	10.08	8.67	8.99	7.68	8.00	7.18	7.50	7.76	8.08	7.71	8.03
173+30.00	10.12	10.05	9.03	8.96	8.04	7.97	7.55	7.48	8.14	8.07	8.08	8.01
173+31.00	10.13	8.08	9.04	6.98	8.05	5.99	7.56	5.51	8.15	6.09	8.09	6.04
173+50.00	10.36	8.06	9.26	6.96	8.27	5.97	7.79	5.49	8.38	6.08	8.33	6.03
173+90.00	10.28	7.98	9.20	6.90	8.22	5.92	7.78	5.48	8.35	6.05	8.31	6.01
174+00.00	10.25	7.95	9.18	6.88	8.19	5.89	7.77	5.47	8.34	6.04	8.30	6.00
174+20.00	10.18	7.88	9.11	6.81	8.15	5.85	7.72	5.42	8.31	6.01	8.27	5.97
174+21.00	10.18	11.18	9.11	10.11	8.15	9.15	7.71	8.71	8.31	9.31	8.27	9.27
174+50.00	10.06	11.06	9.00	10.00	8.06	9.06	7.62	8.62	8.23	9.23	8.19	9.19
174+70.00	9.99	10.99	8.96	9.96	8.01	9.01	7.57	8.57	8.17	9.17	8.14	9.14
175+00.00	9.93	10.93	8.90	9.90	7.94	8.94	7.50	8.50	8.09	9.09	8.06	9.06
175+50.00	9.82	10.82	8.80	9.80	7.86	8.86	7.42	8.42	7.97	8.97	7.94	8.94
175+90.00	9.78	10.78	8.77	9.77	7.82	8.82	7.37	8.37	7.94	8.94	7.89	8.89

Non-Erodible Condition

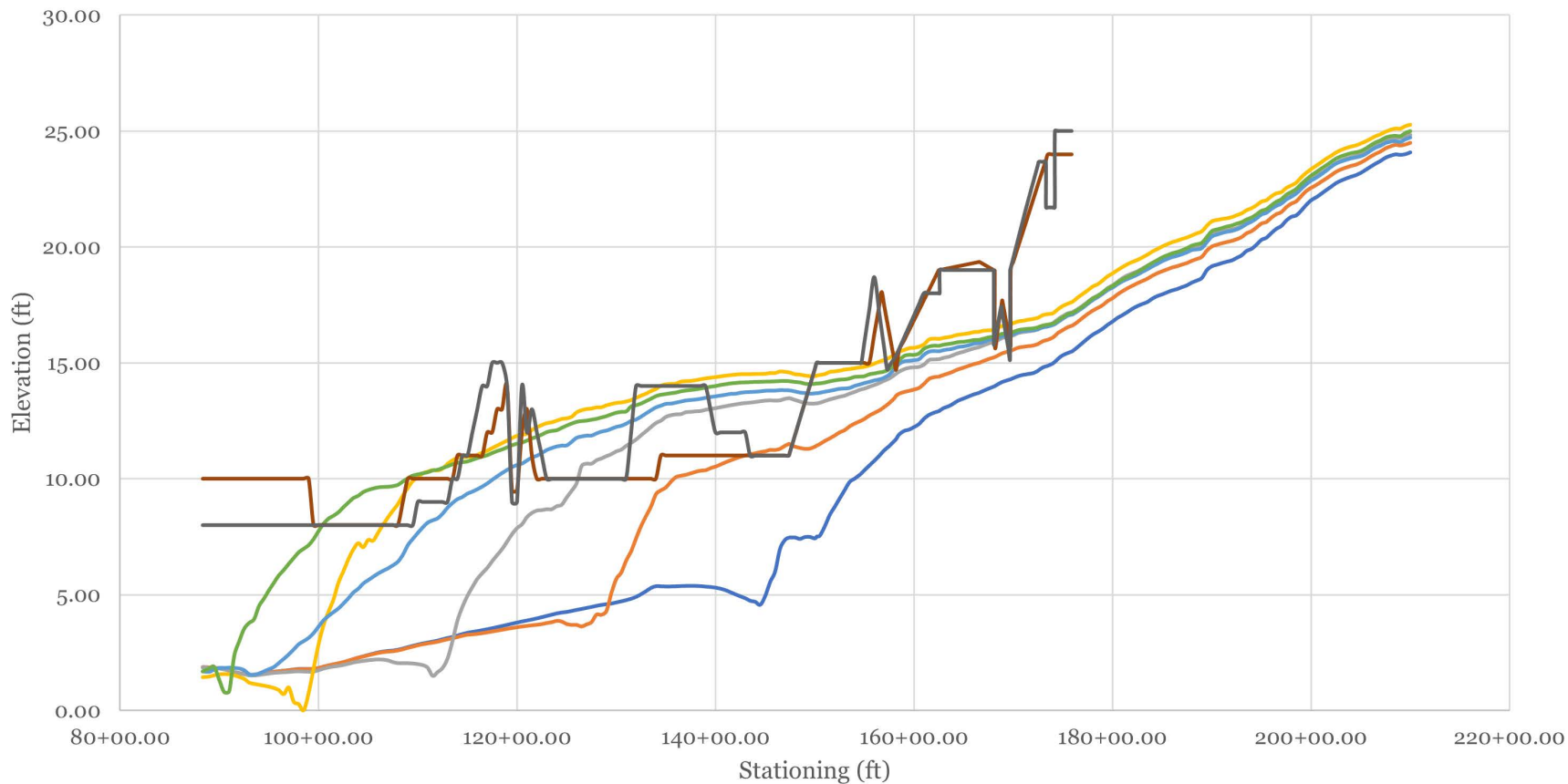
Event: 25yr frequency storm

25yr Event (Non-erodible condition)

Sedimentation Condition	No. locations <2ft	To top left (ft)	To top right (ft)	Left wall STA	Right wall STA
1 year	8	1.43	0.88	169+75.00	169+69.00
2 years	76	-0.51	-0.51	147+40.00	147+40.00
3 years	173	-2.47	-2.47	147+40.00	147+40.00
4 years	255	-3.89	-3.64	134+00.00	146+50.00
5 years	217	-3.08	-2.82	134+00.00	146+50.00
6 years	265	-3.56	-3.21	134+00.00	147+00.00



25yr event - WSE for non-erodible condition



Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 Left Wall Right Wall

25yr Event (Non-erodible condition) - Freeboard to top of the wall (ft)

STA	SED1		SED2		SED3		SED4		SED5		SED6	
	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall
88+33.00	8.12	6.12	8.13	6.13	8.15	6.15	8.55	6.55	8.32	6.32	8.32	6.32
89+00.00	8.13	6.13	8.13	6.13	8.16	6.16	8.52	6.52	8.34	6.34	8.18	6.18
89+50.00	8.14	6.14	8.15	6.15	8.17	6.17	8.46	6.46	8.23	6.23	8.13	6.13
90+00.00	8.17	6.17	8.17	6.17	8.19	6.19	8.43	6.43	8.17	6.17	8.69	6.69
90+50.00	8.21	6.21	8.21	6.21	8.23	6.23	8.41	6.41	8.17	6.17	9.21	7.21
91+00.00	8.27	6.27	8.27	6.27	8.29	6.29	8.42	6.42	8.16	6.16	9.17	7.17
91+50.00	8.33	6.33	8.33	6.33	8.35	6.35	8.46	6.46	8.17	6.17	7.65	5.65
92+00.00	8.38	6.38	8.38	6.38	8.40	6.40	8.54	6.54	8.19	6.19	7.03	5.03
92+50.00	8.41	6.41	8.41	6.41	8.44	6.44	8.62	6.62	8.27	6.27	6.48	4.48
93+00.00	8.45	6.45	8.45	6.45	8.49	6.49	8.78	6.78	8.44	6.44	6.23	4.23
93+50.00	8.44	6.44	8.45	6.45	8.49	6.49	8.84	6.84	8.47	6.47	6.07	4.07
94+00.00	8.42	6.42	8.42	6.42	8.47	6.47	8.88	6.88	8.41	6.41	5.50	3.50
94+50.00	8.38	6.38	8.39	6.39	8.44	6.44	8.91	6.91	8.32	6.32	5.18	3.18
95+00.00	8.34	6.34	8.35	6.35	8.41	6.41	8.96	6.96	8.22	6.22	4.82	2.82
95+50.00	8.31	6.31	8.32	6.32	8.38	6.38	9.01	7.01	8.13	6.13	4.49	2.49
96+00.00	8.29	6.29	8.30	6.30	8.36	6.36	9.11	7.11	7.96	5.96	4.17	2.17
96+50.00	8.27	6.27	8.28	6.28	8.35	6.35	9.28	7.28	7.78	5.78	3.94	1.94
97+00.00	8.25	6.25	8.26	6.26	8.34	6.34	8.99	6.99	7.59	5.59	3.67	1.67
97+50.00	8.22	6.22	8.23	6.23	8.32	6.32	9.61	7.61	7.37	5.37	3.42	1.42
98+00.00	8.20	6.20	8.21	6.21	8.31	6.31	9.71	7.71	7.15	5.15	3.18	1.18
98+50.00	8.19	6.19	8.21	6.21	8.32	6.32	9.97	7.97	7.01	5.01	3.03	1.03
99+00.00	8.20	6.20	8.21	6.21	8.33	6.33	9.23	7.23	6.87	4.87	2.87	0.87
99+50.00	6.19	6.19	6.20	6.20	6.32	6.32	6.17	6.17	4.67	4.67	0.61	0.61
100+00.00	6.16	6.16	6.16	6.16	6.27	6.27	5.13	5.13	4.38	4.38	0.26	0.26
100+50.00	6.10	6.10	6.10	6.10	6.19	6.19	4.31	4.31	4.12	4.12	-0.05	-0.05
101+00.00	6.05	6.05	6.05	6.05	6.14	6.14	3.72	3.72	3.93	3.93	-0.27	-0.27
101+50.00	6.00	6.00	6.00	6.00	6.11	6.11	3.20	3.20	3.76	3.76	-0.40	-0.40
102+00.00	5.96	5.96	5.96	5.96	6.08	6.08	2.48	2.48	3.60	3.60	-0.55	-0.55
102+50.00	5.90	5.90	5.91	5.91	6.04	6.04	1.98	1.98	3.39	3.39	-0.77	-0.77
103+00.00	5.84	5.84	5.85	5.85	5.99	5.99	1.47	1.47	3.17	3.17	-0.97	-0.97
103+50.00	5.77	5.77	5.78	5.78	5.93	5.93	1.04	1.04	2.92	2.92	-1.16	-1.16
104+00.00	5.71	5.71	5.72	5.72	5.89	5.89	0.77	0.77	2.75	2.75	-1.26	-1.26
104+50.00	5.65	5.65	5.67	5.67	5.86	5.86	0.94	0.94	2.53	2.53	-1.42	-1.42

105+00.00	5.59	5.59	5.61	5.61	5.83	5.83	0.63	0.63	2.38	2.38	-1.51	-1.51
105+50.00	5.54	5.54	5.56	5.56	5.81	5.81	0.66	0.66	2.24	2.24	-1.57	-1.57
106+00.00	5.48	5.48	5.51	5.51	5.80	5.80	0.31	0.31	2.09	2.09	-1.62	-1.62
106+50.00	5.45	5.45	5.48	5.48	5.81	5.81	-0.03	-0.03	1.98	1.98	-1.64	-1.64
107+00.00	5.42	5.42	5.45	5.45	5.84	5.84	-0.35	-0.35	1.87	1.87	-1.65	-1.65
107+50.00	5.40	5.40	5.44	5.44	5.92	5.92	-0.64	-0.64	1.74	1.74	-1.68	-1.68
108+00.00	5.37	5.37	5.41	5.41	5.96	5.96	-0.92	-0.92	1.58	1.58	-1.73	-1.73
108+50.00	6.31	5.31	6.35	5.35	6.96	5.96	-0.30	-1.30	2.28	1.28	-0.88	-1.88
109+00.00	7.26	5.26	7.29	5.29	7.96	5.96	0.38	-1.62	2.87	0.87	-0.02	-2.02
109+50.00	7.20	5.20	7.24	5.24	7.97	5.97	0.08	-1.92	2.60	0.60	-0.13	-2.13
110+00.00	7.15	6.15	7.18	6.18	8.00	7.00	-0.06	-1.06	2.34	1.34	-0.18	-1.18
110+50.00	7.10	6.10	7.14	6.14	8.05	7.05	-0.25	-1.25	2.10	1.10	-0.23	-1.23
111+00.00	7.06	6.06	7.10	6.10	8.16	7.16	-0.32	-1.32	1.90	0.90	-0.28	-1.28
111+50.00	7.02	6.02	7.07	6.07	8.51	7.51	-0.39	-1.39	1.80	0.80	-0.35	-1.35
112+00.00	6.97	5.97	7.02	6.02	8.34	7.34	-0.37	-1.37	1.71	0.71	-0.38	-1.38
112+50.00	6.92	5.92	6.97	5.97	8.16	7.16	-0.45	-1.45	1.51	0.51	-0.46	-1.46
113+00.00	6.86	5.86	6.92	5.92	7.76	6.76	-0.66	-1.66	1.25	0.25	-0.53	-1.53
113+50.00	6.81	6.81	6.88	6.88	7.00	7.00	-0.81	-0.81	1.05	1.05	-0.62	-0.62
114+00.00	7.75	6.75	7.83	6.83	7.11	6.11	0.08	-0.92	1.88	0.88	0.32	-0.68
114+50.00	7.69	7.69	7.77	7.77	6.52	6.52	0.07	0.07	1.79	1.79	0.29	0.29
115+00.00	7.64	7.64	7.73	7.73	6.06	6.06	0.04	0.04	1.65	1.65	0.26	0.26
115+50.00	7.60	8.60	7.71	8.71	5.67	6.67	0.05	1.05	1.56	2.56	0.19	1.19
116+00.00	7.57	9.57	7.69	9.69	5.32	7.32	-0.04	1.96	1.46	3.46	0.11	2.11
116+50.00	7.53	10.53	7.66	10.66	5.08	8.08	-0.14	2.86	1.34	4.34	0.06	3.06
117+00.00	8.48	10.48	8.62	10.62	5.85	7.85	0.78	2.78	2.20	4.20	0.99	2.99
117+50.00	8.44	11.44	8.59	11.59	5.56	8.56	0.67	3.67	2.05	5.05	0.89	3.89
118+00.00	9.39	11.39	9.55	11.55	6.29	8.29	1.56	3.56	2.90	4.90	1.81	3.81
118+50.00	9.34	11.34	9.51	11.51	6.03	8.03	1.45	3.45	2.75	4.75	1.74	3.74
119+00.00	10.29	10.29	10.47	10.47	6.71	6.71	2.34	2.34	3.62	3.62	2.65	2.65
119+50.00	5.74	5.24	5.93	5.43	1.89	1.39	-2.27	-2.77	-1.00	-1.50	-1.94	-2.44
120+00.00	5.70	5.20	5.90	5.40	1.63	1.13	-2.37	-2.87	-1.09	-1.59	-2.01	-2.51
120+50.00	8.15	10.15	8.37	10.37	3.97	5.97	0.09	2.09	1.35	3.35	0.44	2.44
121+00.00	9.11	8.11	9.34	8.34	4.66	3.66	1.05	0.05	2.21	1.21	1.36	0.36
121+50.00	7.06	9.06	7.32	9.32	2.48	4.48	-1.12	0.88	0.09	2.09	-0.74	1.26
122+00.00	6.02	8.02	6.30	8.30	1.38	3.38	-2.23	-0.23	-0.99	1.01	-1.81	0.19
122+50.00	5.96	6.96	6.27	7.27	1.36	2.36	-2.33	-1.33	-1.11	-0.11	-1.90	-0.90
123+00.00	5.91	5.91	6.22	6.22	1.32	1.32	-2.41	-2.41	-1.24	-1.24	-2.01	-2.01

123+50.00	5.86	5.86	6.19	6.19	1.32	1.32	-2.45	-2.45	-1.32	-1.32	-2.06	-2.06
124+00.00	5.80	5.80	6.13	6.13	1.19	1.19	-2.52	-2.52	-1.39	-1.39	-2.09	-2.09
124+50.00	5.76	5.76	6.16	6.16	1.12	1.12	-2.59	-2.59	-1.43	-1.43	-2.19	-2.19
125+00.00	5.74	5.74	6.26	6.26	0.81	0.81	-2.62	-2.62	-1.44	-1.44	-2.29	-2.29
125+50.00	5.70	5.70	6.30	6.30	0.52	0.52	-2.69	-2.69	-1.59	-1.59	-2.37	-2.37
126+00.00	5.65	5.65	6.30	6.30	0.19	0.19	-2.87	-2.87	-1.77	-1.77	-2.45	-2.45
126+50.00	5.61	5.61	6.37	6.37	-0.54	-0.54	-2.97	-2.97	-1.82	-1.82	-2.48	-2.48
127+00.00	5.56	5.56	6.28	6.28	-0.65	-0.65	-3.02	-3.02	-1.86	-1.86	-2.50	-2.50
127+50.00	5.52	5.52	6.18	6.18	-0.65	-0.65	-3.04	-3.04	-1.86	-1.86	-2.54	-2.54
128+00.00	5.47	5.47	5.86	5.86	-0.80	-0.80	-3.09	-3.09	-1.95	-1.95	-2.58	-2.58
128+50.00	5.43	5.43	5.86	5.86	-0.87	-0.87	-3.09	-3.09	-2.03	-2.03	-2.64	-2.64
129+00.00	5.41	5.41	5.70	5.70	-0.97	-0.97	-3.18	-3.18	-2.08	-2.08	-2.69	-2.69
129+50.00	5.38	5.38	4.93	4.93	-1.06	-1.06	-3.23	-3.23	-2.15	-2.15	-2.77	-2.77
130+00.00	5.33	5.33	4.32	4.32	-1.18	-1.18	-3.29	-3.29	-2.24	-2.24	-2.84	-2.84
130+50.00	5.28	5.28	4.04	4.04	-1.25	-1.25	-3.30	-3.30	-2.28	-2.28	-2.88	-2.88
131+00.00	5.23	5.23	3.52	3.52	-1.42	-1.42	-3.34	-3.34	-2.38	-2.38	-2.90	-2.90
131+50.00	5.17	7.17	3.12	5.12	-1.54	0.46	-3.41	-1.41	-2.50	-0.50	-3.12	-1.12
132+00.00	5.09	9.09	2.56	6.56	-1.69	2.31	-3.50	0.50	-2.56	1.44	-3.17	0.83
132+50.00	4.97	8.97	2.03	6.03	-1.88	2.12	-3.60	0.40	-2.68	1.32	-3.24	0.76
133+00.00	4.84	8.84	1.60	5.60	-2.05	1.95	-3.68	0.32	-2.82	1.18	-3.34	0.66
133+50.00	4.70	8.70	1.19	5.19	-2.23	1.77	-3.80	0.20	-2.96	1.04	-3.45	0.55
134+00.00	4.63	8.63	0.66	4.66	-2.41	1.59	-3.89	0.11	-3.08	0.92	-3.56	0.44
134+50.00	5.63	8.63	1.50	4.50	-1.51	1.49	-3.03	-0.03	-2.15	0.85	-2.62	0.38
135+00.00	5.64	8.64	1.37	4.37	-1.67	1.33	-3.08	-0.08	-2.23	0.77	-2.65	0.35
135+50.00	5.64	8.64	1.13	4.13	-1.74	1.26	-3.10	-0.10	-2.24	0.76	-2.68	0.32
136+00.00	5.63	8.63	0.93	3.93	-1.77	1.23	-3.11	-0.11	-2.28	0.72	-2.71	0.29
136+50.00	5.62	8.62	0.87	3.87	-1.78	1.22	-3.20	-0.20	-2.33	0.67	-2.77	0.23
137+00.00	5.62	8.62	0.83	3.83	-1.87	1.13	-3.22	-0.22	-2.37	0.63	-2.80	0.20
137+50.00	5.62	8.62	0.76	3.76	-1.88	1.12	-3.23	-0.23	-2.40	0.60	-2.82	0.18
138+00.00	5.62	8.62	0.70	3.70	-1.91	1.09	-3.26	-0.26	-2.42	0.58	-2.85	0.15
138+50.00	5.63	8.63	0.65	3.65	-1.92	1.08	-3.31	-0.31	-2.45	0.55	-2.89	0.11
139+00.00	5.64	8.64	0.63	3.63	-1.97	1.03	-3.34	-0.34	-2.49	0.51	-2.93	0.07
139+50.00	5.66	7.66	0.54	2.54	-2.01	-0.01	-3.37	-1.37	-2.52	-0.52	-2.97	-0.97
140+00.00	5.69	6.69	0.47	1.47	-2.04	-1.04	-3.40	-2.40	-2.56	-1.56	-2.99	-1.99
140+50.00	5.73	6.73	0.38	1.38	-2.08	-1.08	-3.43	-2.43	-2.59	-1.59	-3.04	-2.04
141+00.00	5.80	6.80	0.29	1.29	-2.13	-1.13	-3.46	-2.46	-2.62	-1.62	-3.07	-2.07
141+50.00	5.89	6.89	0.20	1.20	-2.17	-1.17	-3.48	-2.48	-2.66	-1.66	-3.11	-2.11

142+00.00	5.98	6.98	0.12	1.12	-2.20	-1.20	-3.51	-2.51	-2.67	-1.67	-3.13	-2.13
142+50.00	6.06	7.06	0.05	1.05	-2.24	-1.24	-3.52	-2.52	-2.71	-1.71	-3.15	-2.15
143+00.00	6.15	7.15	-0.01	0.99	-2.27	-1.27	-3.52	-2.52	-2.73	-1.73	-3.15	-2.15
143+50.00	6.26	6.26	-0.06	-0.06	-2.28	-2.28	-3.52	-3.52	-2.74	-2.74	-3.16	-3.16
144+00.00	6.30	6.30	-0.10	-0.10	-2.31	-2.31	-3.53	-3.53	-2.75	-2.75	-3.18	-3.18
144+50.00	6.43	6.43	-0.15	-0.15	-2.34	-2.34	-3.53	-3.53	-2.77	-2.77	-3.18	-3.18
145+00.00	6.05	6.05	-0.19	-0.19	-2.37	-2.37	-3.54	-3.54	-2.80	-2.80	-3.18	-3.18
145+50.00	5.44	5.44	-0.25	-0.25	-2.38	-2.38	-3.57	-3.57	-2.80	-2.80	-3.19	-3.19
146+00.00	4.99	4.99	-0.24	-0.24	-2.37	-2.37	-3.57	-3.57	-2.80	-2.80	-3.20	-3.20
146+50.00	4.01	4.01	-0.30	-0.30	-2.38	-2.38	-3.64	-3.64	-2.82	-2.82	-3.21	-3.21
147+00.00	3.63	3.63	-0.43	-0.43	-2.45	-2.45	-3.62	-3.62	-2.82	-2.82	-3.21	-3.21
147+40.00	3.53	3.53	-0.51	-0.51	-2.47	-2.47	-3.60	-3.60	-2.81	-2.81	-3.20	-3.20
147+50.00	3.67	3.67	-0.34	-0.34	-2.33	-2.33	-3.45	-3.45	-2.67	-2.67	-3.06	-3.06
148+00.00	4.38	4.38	0.47	0.47	-1.54	-1.54	-2.66	-2.66	-1.91	-1.91	-2.31	-2.31
148+50.00	5.16	5.16	1.24	1.24	-0.76	-0.76	-1.93	-1.93	-1.15	-1.15	-1.58	-1.58
149+00.00	5.79	5.79	1.99	1.99	0.01	0.01	-1.18	-1.18	-0.41	-0.41	-0.81	-0.81
149+50.00	6.50	6.50	2.70	2.70	0.76	0.76	-0.44	-0.44	0.33	0.33	-0.07	-0.07
150+00.00	7.28	7.28	3.33	3.33	1.47	1.47	0.28	0.28	1.03	1.03	0.62	0.62
150+20.00	7.49	7.49	3.56	3.56	1.75	1.75	0.54	0.54	1.31	1.31	0.89	0.89
150+50.00	7.45	7.45	3.50	3.50	1.72	1.72	0.51	0.51	1.29	1.29	0.89	0.89
151+00.00	7.05	7.05	3.37	3.37	1.65	1.65	0.48	0.48	1.25	1.25	0.86	0.86
151+50.00	6.56	6.56	3.26	3.26	1.58	1.58	0.38	0.38	1.21	1.21	0.80	0.80
152+00.00	6.21	6.21	3.13	3.13	1.52	1.52	0.36	0.36	1.16	1.16	0.76	0.76
152+50.00	5.84	5.84	2.99	2.99	1.46	1.46	0.33	0.33	1.12	1.12	0.73	0.73
153+00.00	5.49	5.49	2.90	2.90	1.42	1.42	0.28	0.28	1.11	1.11	0.72	0.72
153+50.00	5.13	5.13	2.74	2.74	1.33	1.33	0.26	0.26	1.09	1.09	0.68	0.68
154+00.00	4.99	4.99	2.62	2.62	1.26	1.26	0.22	0.22	1.00	1.00	0.61	0.61
154+50.00	4.83	4.83	2.52	2.52	1.17	1.17	0.18	0.18	0.94	0.94	0.60	0.60
154+70.00	4.76	4.76	2.48	2.48	1.14	1.14	0.18	0.18	0.91	0.91	0.60	0.60
155+00.00	4.63	5.48	2.42	3.27	1.11	1.97	0.16	1.01	0.87	1.73	0.58	1.44
155+50.00	4.42	6.70	2.27	4.54	1.03	3.31	0.10	2.38	0.82	3.10	0.50	2.77
156+00.00	5.44	7.92	3.38	5.86	2.18	4.66	1.25	3.72	1.98	4.46	1.69	4.16
156+50.00	6.45	6.17	4.50	4.22	3.32	3.04	2.38	2.11	3.16	2.89	2.86	2.59
156+75.00	6.94	5.29	5.04	3.39	3.88	2.23	2.96	1.31	3.74	2.09	3.47	1.82
157+00.00	6.25	4.41	4.38	2.55	3.25	1.42	2.34	0.51	3.12	1.28	2.86	1.02
157+30.00	5.44	3.38	3.59	1.53	2.50	0.45	1.59	-0.46	2.35	0.30	2.12	0.06
157+50.00	4.91	3.44	3.05	1.59	2.00	0.53	1.09	-0.37	1.83	0.37	1.59	0.13

158+00.00	3.53	3.55	1.69	1.71	0.70	0.71	-0.19	-0.17	0.45	0.47	0.27	0.28
158+20.00	2.98	3.59	1.11	1.72	0.17	0.78	-0.72	-0.11	-0.12	0.49	-0.29	0.32
158+50.00	3.61	3.68	1.86	1.93	0.91	0.98	0.03	0.10	0.57	0.64	0.43	0.50
159+00.00	3.90	4.01	2.22	2.33	1.24	1.35	0.40	0.51	0.90	1.01	0.67	0.79
159+50.00	4.27	4.43	2.60	2.76	1.61	1.77	0.75	0.91	1.31	1.47	1.06	1.22
160+00.00	4.60	4.80	2.98	3.19	2.02	2.23	1.17	1.38	1.72	1.93	1.49	1.70
160+50.00	4.90	5.15	3.34	3.60	2.44	2.69	1.56	1.81	2.11	2.36	1.87	2.12
161+00.00	5.11	5.41	3.60	3.90	2.78	3.08	1.89	2.19	2.34	2.65	2.10	2.40
161+50.00	5.37	5.24	3.82	3.69	3.01	2.88	2.12	1.98	2.65	2.52	2.44	2.30
162+00.00	5.71	5.15	4.18	3.62	3.42	2.86	2.51	1.94	3.05	2.49	2.83	2.26
162+50.00	6.08	5.08	4.59	3.59	3.84	2.84	2.95	1.95	3.50	2.50	3.27	2.27
162+60.00	6.05	5.05	4.59	3.58	3.84	2.83	2.96	1.95	3.50	2.49	3.27	2.26
162+61.00	6.05	6.04	4.59	4.58	3.84	3.83	2.96	2.95	3.50	3.49	3.27	3.26
163+00.00	5.99	5.94	4.56	4.52	3.83	3.78	2.95	2.91	3.49	3.45	3.26	3.22
163+40.00	5.96	5.88	4.54	4.46	3.83	3.75	2.96	2.88	3.50	3.42	3.27	3.19
163+50.00	5.95	5.86	4.53	4.45	3.82	3.74	2.96	2.88	3.51	3.42	3.28	3.19
163+75.00	5.92	5.81	4.52	4.41	3.81	3.70	2.97	2.86	3.51	3.40	3.28	3.17
164+00.00	5.87	5.74	4.49	4.36	3.79	3.66	2.96	2.82	3.50	3.37	3.28	3.15
164+10.00	5.85	5.71	4.48	4.34	3.78	3.64	2.95	2.81	3.50	3.36	3.28	3.14
164+50.00	5.79	5.62	4.44	4.27	3.75	3.58	2.95	2.77	3.49	3.31	3.28	3.11
165+00.00	5.75	5.53	4.42	4.20	3.74	3.52	2.97	2.75	3.51	3.29	3.31	3.09
165+50.00	5.71	5.45	4.39	4.13	3.71	3.45	2.98	2.72	3.51	3.24	3.33	3.07
166+00.00	5.67	5.36	4.36	4.05	3.69	3.38	2.97	2.66	3.48	3.18	3.33	3.02
166+50.00	5.65	5.30	4.35	4.00	3.68	3.33	3.00	2.65	3.50	3.15	3.37	3.02
166+60.00	5.64	5.28	4.35	3.99	3.68	3.32	3.00	2.64	3.50	3.14	3.37	3.01
167+00.00	5.46	5.20	4.18	3.92	3.51	3.25	2.86	2.60	3.35	3.09	3.23	2.96
167+50.00	5.25	5.11	3.97	3.84	3.31	3.17	2.73	2.59	3.15	3.01	3.05	2.91
168+00.00	5.04	5.03	3.79	3.77	3.12	3.10	2.59	2.57	3.00	2.98	2.89	2.88
168+05.00	5.02	5.02	3.77	3.76	3.10	3.09	2.57	2.56	2.98	2.98	2.88	2.87
168+06.00	5.02	1.80	3.76	0.55	3.10	-0.12	2.57	-0.65	2.98	-0.23	2.87	-0.34
168+15.00	4.98	1.98	3.72	0.73	3.06	0.07	2.53	-0.46	2.95	-0.05	2.84	-0.15
168+16.00	1.70	2.00	0.45	0.75	-0.21	0.09	-0.74	-0.44	-0.33	-0.02	-0.43	-0.13
168+50.00	2.53	2.67	1.29	1.43	0.64	0.77	0.10	0.23	0.53	0.67	0.43	0.57
168+80.00	3.27	3.26	2.03	2.02	1.37	1.36	0.84	0.83	1.29	1.28	1.19	1.18
168+90.00	3.52	2.99	2.28	1.75	1.63	1.09	1.10	0.57	1.55	1.02	1.45	0.92
169+00.00	3.27	2.72	2.04	1.48	1.38	0.83	0.86	0.31	1.31	0.75	1.21	0.66
169+50.00	2.04	1.38	0.82	0.16	0.19	-0.47	-0.34	-1.00	0.12	-0.54	0.03	-0.63

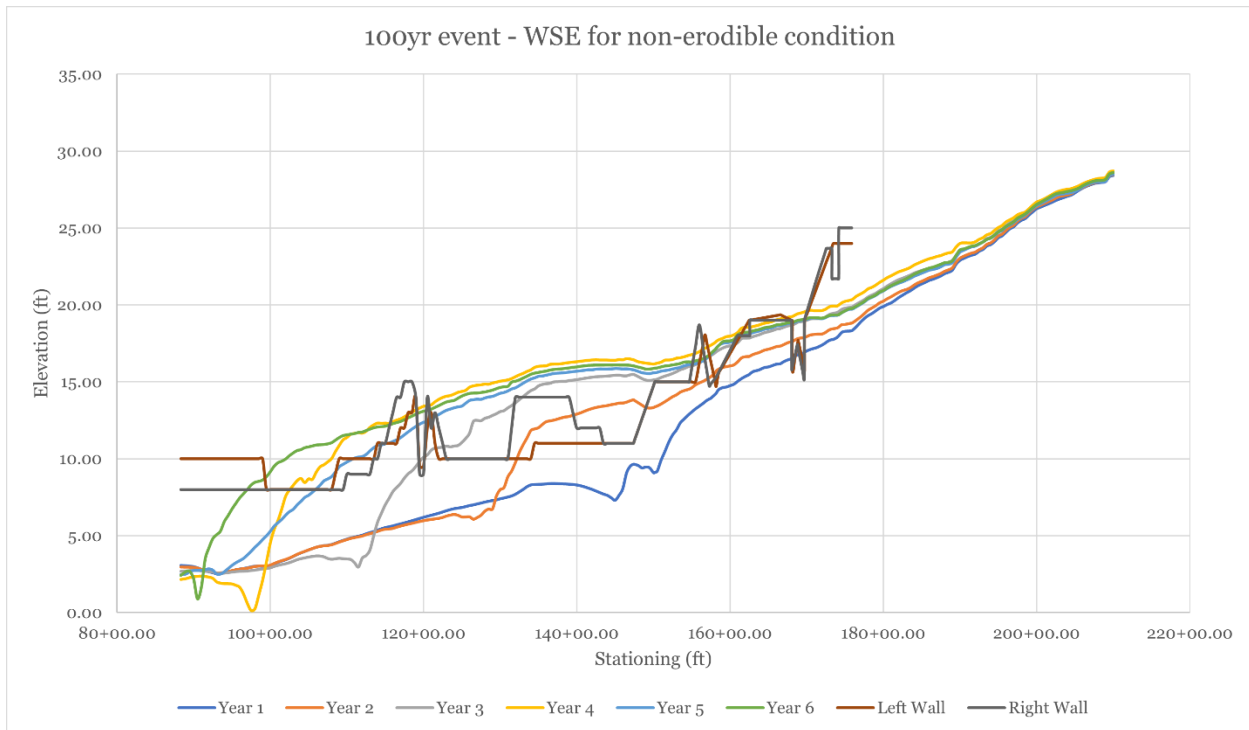
169+69.00	1.58	0.88	0.35	-0.34	-0.27	-0.97	-0.81	-1.51	-0.34	-1.04	-0.43	-1.13
169+70.00	1.55	4.71	0.33	3.48	-0.29	2.86	-0.84	2.32	-0.36	2.79	-0.45	2.70
169+75.00	1.43	4.78	0.21	3.56	-0.41	2.94	-0.96	2.39	-0.48	2.87	-0.57	2.78
169+76.00	4.73	4.80	3.51	3.58	2.89	2.96	2.34	2.41	2.82	2.89	2.73	2.80
170+00.00	5.00	5.15	3.78	3.93	3.16	3.32	2.62	2.77	3.11	3.26	3.02	3.17
170+50.00	5.58	5.90	4.36	4.68	3.73	4.05	3.21	3.53	3.69	4.01	3.61	3.93
171+00.00	6.19	6.68	4.99	5.48	4.35	4.84	3.85	4.34	4.30	4.79	4.24	4.73
171+30.00	6.57	7.16	5.37	5.96	4.73	5.32	4.22	4.81	4.69	5.28	4.62	5.21
171+50.00	6.83	7.46	5.63	6.26	4.99	5.62	4.48	5.11	4.95	5.58	4.88	5.52
172+00.00	7.47	8.20	6.28	7.02	5.64	6.38	5.12	5.86	5.62	6.35	5.54	6.28
172+50.00	8.04	8.88	6.88	7.73	6.26	7.11	5.74	6.59	6.25	7.09	6.17	7.02
172+58.00	8.11	8.97	6.96	7.83	6.34	7.21	5.82	6.69	6.33	7.20	6.26	7.12
173+00.00	8.54	8.86	7.41	7.73	6.79	7.11	6.28	6.60	6.82	7.14	6.74	7.06
173+30.00	8.89	8.82	7.76	7.69	7.15	7.08	6.64	6.57	7.19	7.12	7.11	7.04
173+31.00	8.90	6.85	7.77	5.72	7.16	5.11	6.65	4.60	7.20	5.15	7.12	5.07
173+50.00	9.12	6.82	8.00	5.70	7.38	5.08	6.88	4.58	7.43	5.13	7.35	5.05
173+90.00	9.04	6.74	7.92	5.62	7.31	5.01	6.87	4.57	7.38	5.08	7.32	5.02
174+00.00	9.02	6.72	7.90	5.60	7.28	4.98	6.85	4.55	7.36	5.06	7.31	5.01
174+20.00	8.95	6.65	7.83	5.53	7.22	4.92	6.78	4.48	7.33	5.03	7.27	4.97
174+21.00	8.94	9.94	7.82	8.82	7.22	8.22	6.78	7.78	7.32	8.32	7.27	8.27
174+50.00	8.82	9.82	7.70	8.70	7.12	8.12	6.67	7.67	7.23	8.23	7.18	8.18
174+70.00	8.75	9.75	7.66	8.66	7.06	8.06	6.62	7.62	7.18	8.18	7.12	8.12
175+00.00	8.67	9.67	7.58	8.58	6.98	7.98	6.53	7.53	7.09	8.09	7.04	8.04
175+50.00	8.57	9.57	7.45	8.45	6.86	7.86	6.43	7.43	6.96	7.96	6.90	7.90
175+90.00	8.50	9.50	7.39	8.39	6.82	7.82	6.37	7.37	6.92	7.92	6.86	7.86

Non-Erodible Condition

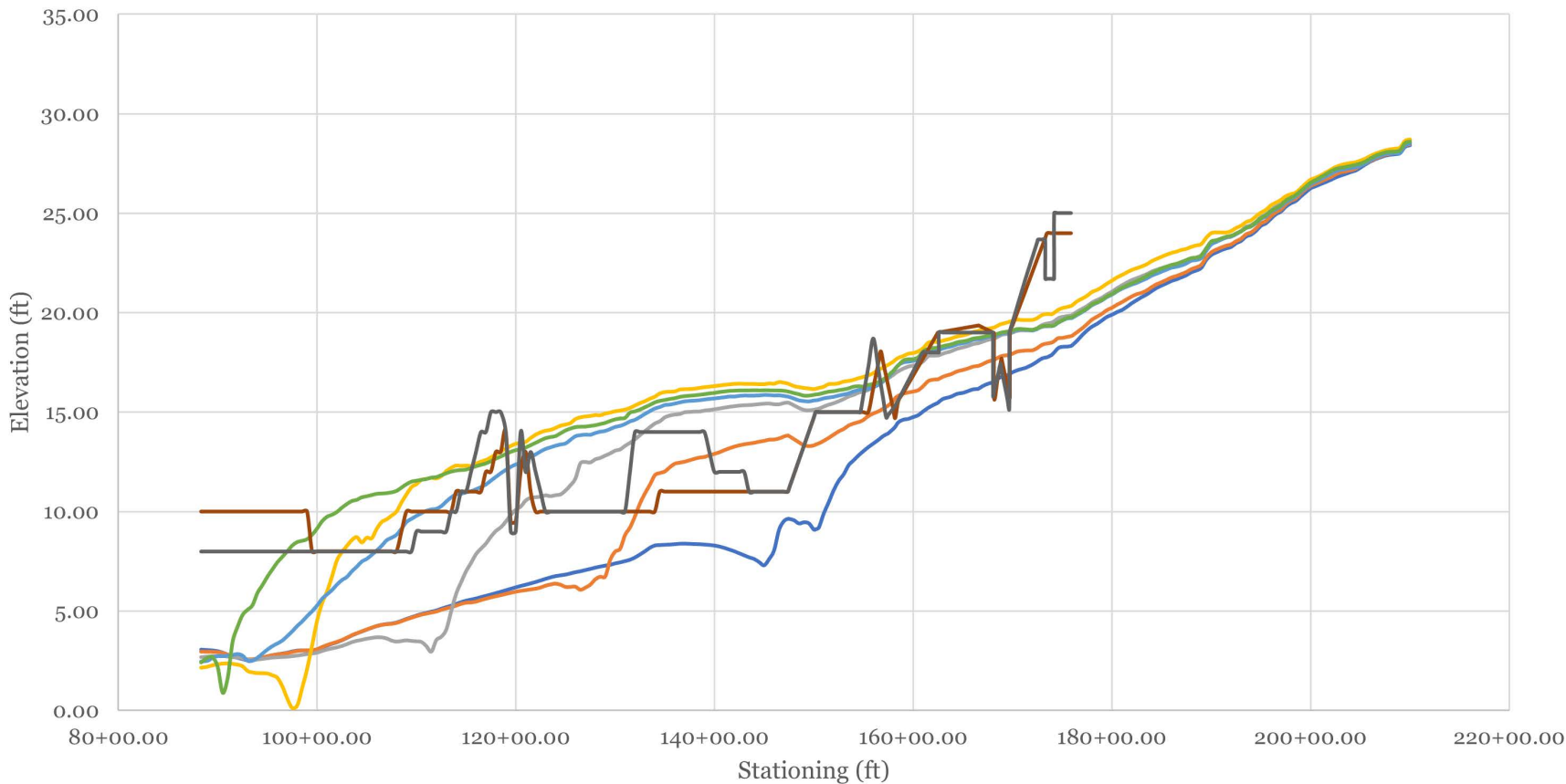
Event: 100yr frequency storm

100yr Event (Non-erodible condition)

Sedimentation Condition	No. locations <2ft	To top left (ft)	To top right (ft)	Left wall STA	Right wall STA
1 year	44	-1.20	-1.75	169+75.00	169+69.00
2 years	170	-2.83	-2.83	147+40.00	147+40.00
3 years	248	-4.48	-4.48	147+40.00	147+40.00
4 years	329	-5.79	-5.52	134+00.00	146+50.00
5 years	318	-5.18	-4.86	134+00.00	145+00.00
6 years	342	-5.48	-5.09	134+00.00	144+00.00



100yr event - WSE for non-erodible condition



Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 Left Wall Right Wall

100yr Event (Non-erodible condition) - Freeboard to top of the wall (ft)

STA	SED1		SED2		SED3		SED4		SED5		SED6	
	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall	Left Wall	Right Wall
88+33.00	6.94	4.94	7.04	5.04	7.31	5.31	7.84	5.84	7.54	5.54	7.59	5.59
89+00.00	6.96	4.96	7.04	5.04	7.29	5.29	7.79	5.79	7.50	5.50	7.34	5.34
89+50.00	6.98	4.98	7.05	5.05	7.27	5.27	7.71	5.71	7.34	5.34	7.34	5.34
90+00.00	7.02	5.02	7.06	5.06	7.25	5.25	7.66	5.66	7.27	5.27	7.81	5.81
90+50.00	7.09	5.09	7.11	5.11	7.25	5.25	7.63	5.63	7.27	5.27	9.11	7.11
91+00.00	7.19	5.19	7.19	5.19	7.29	5.29	7.62	5.62	7.24	5.24	8.39	6.39
91+50.00	7.29	5.29	7.27	5.27	7.32	5.32	7.64	5.64	7.21	5.21	6.55	4.55
92+00.00	7.36	5.36	7.32	5.32	7.34	5.34	7.69	5.69	7.17	5.17	5.80	3.80
92+50.00	7.41	5.41	7.37	5.37	7.37	5.37	7.77	5.77	7.25	5.25	5.20	3.20
93+00.00	7.48	5.48	7.42	5.42	7.44	5.44	8.00	6.00	7.50	5.50	4.94	2.94
93+50.00	7.46	5.46	7.42	5.42	7.45	5.45	8.08	6.08	7.50	5.50	4.71	2.71
94+00.00	7.41	5.41	7.39	5.39	7.43	5.43	8.11	6.11	7.35	5.35	4.09	2.09
94+50.00	7.35	5.35	7.34	5.34	7.40	5.40	8.12	6.12	7.15	5.15	3.70	1.70
95+00.00	7.28	5.28	7.27	5.27	7.36	5.36	8.13	6.13	6.94	4.94	3.28	1.28
95+50.00	7.22	5.22	7.22	5.22	7.33	5.33	8.22	6.22	6.77	4.77	2.91	0.91
96+00.00	7.18	5.18	7.18	5.18	7.32	5.32	8.34	6.34	6.63	4.63	2.56	0.56
96+50.00	7.14	5.14	7.15	5.15	7.31	5.31	8.77	6.77	6.49	4.49	2.28	0.28
97+00.00	7.09	5.09	7.11	5.11	7.29	5.29	9.39	7.39	6.26	4.26	2.01	0.01
97+50.00	7.03	5.03	7.06	5.06	7.26	5.26	9.86	7.86	6.02	4.02	1.72	-0.28
98+00.00	6.99	4.99	7.00	5.00	7.23	5.23	9.74	7.74	5.75	3.75	1.54	-0.46
98+50.00	6.98	4.98	6.98	4.98	7.20	5.20	8.86	6.86	5.53	3.53	1.48	-0.52
99+00.00	7.00	5.00	6.97	4.97	7.16	5.16	7.89	5.89	5.26	3.26	1.39	-0.61
99+50.00	5.00	5.00	4.97	4.97	5.13	5.13	4.72	4.72	3.01	3.01	-0.83	-0.83
100+00.00	4.95	4.95	4.92	4.92	5.09	5.09	3.48	3.48	2.72	2.72	-1.14	-1.14
100+50.00	4.84	4.84	4.80	4.80	5.00	5.00	2.60	2.60	2.39	2.39	-1.50	-1.50
101+00.00	4.74	4.74	4.71	4.71	4.93	4.93	2.01	2.01	2.16	2.16	-1.73	-1.73
101+50.00	4.65	4.65	4.62	4.62	4.87	4.87	1.26	1.26	1.95	1.95	-1.84	-1.84
102+00.00	4.57	4.57	4.55	4.55	4.82	4.82	0.44	0.44	1.67	1.67	-1.97	-1.97
102+50.00	4.47	4.47	4.45	4.45	4.75	4.75	0.03	0.03	1.45	1.45	-2.19	-2.19
103+00.00	4.35	4.35	4.34	4.34	4.66	4.66	-0.28	-0.28	1.29	1.29	-2.37	-2.37
103+50.00	4.23	4.23	4.21	4.21	4.56	4.56	-0.58	-0.58	1.00	1.00	-2.52	-2.52
104+00.00	4.12	4.12	4.11	4.11	4.49	4.49	-0.73	-0.73	0.77	0.77	-2.58	-2.58
104+50.00	4.03	4.03	4.02	4.02	4.44	4.44	-0.46	-0.46	0.51	0.51	-2.71	-2.71

105+00.00	3.93	3.93	3.92	3.92	4.39	4.39	-0.70	-0.70	0.38	0.38	-2.76	-2.76
105+50.00	3.84	3.84	3.84	3.84	4.35	4.35	-0.67	-0.67	0.18	0.18	-2.82	-2.82
106+00.00	3.75	3.75	3.75	3.75	4.31	4.31	-1.14	-1.14	-0.04	-0.04	-2.89	-2.89
106+50.00	3.69	3.69	3.69	3.69	4.32	4.32	-1.48	-1.48	-0.28	-0.28	-2.90	-2.90
107+00.00	3.65	3.65	3.66	3.66	4.37	4.37	-1.62	-1.62	-0.56	-0.56	-2.92	-2.92
107+50.00	3.63	3.63	3.64	3.64	4.48	4.48	-1.81	-1.81	-0.69	-0.69	-2.96	-2.96
108+00.00	3.58	3.58	3.59	3.59	4.53	4.53	-2.02	-2.02	-0.84	-0.84	-3.03	-3.03
108+50.00	4.49	3.49	4.51	3.51	5.50	4.50	-1.47	-2.47	-0.14	-1.14	-2.20	-3.20
109+00.00	5.40	3.40	5.41	3.41	6.47	4.47	-0.88	-2.88	0.53	-1.47	-1.37	-3.37
109+50.00	5.31	3.31	5.33	3.33	6.50	4.50	-1.24	-3.24	0.36	-1.64	-1.50	-3.50
110+00.00	5.23	4.23	5.25	4.25	6.52	5.52	-1.39	-2.39	0.22	-0.78	-1.55	-2.55
110+50.00	5.15	4.15	5.18	4.18	6.55	5.55	-1.60	-2.60	0.08	-0.92	-1.59	-2.59
111+00.00	5.09	4.09	5.13	4.13	6.76	5.76	-1.66	-2.66	-0.04	-1.04	-1.63	-2.63
111+50.00	5.03	4.03	5.07	4.07	7.04	6.04	-1.71	-2.71	-0.11	-1.11	-1.70	-2.70
112+00.00	4.97	3.97	5.02	4.02	6.46	5.46	-1.68	-2.68	-0.14	-1.14	-1.73	-2.73
112+50.00	4.88	3.88	4.94	3.94	6.29	5.29	-1.79	-2.79	-0.27	-1.27	-1.82	-2.82
113+00.00	4.80	3.80	4.86	3.86	5.93	4.93	-2.05	-3.05	-0.50	-1.50	-1.92	-2.92
113+50.00	4.73	4.73	4.80	4.80	5.00	5.00	-2.21	-2.21	-0.72	-0.72	-2.00	-2.00
114+00.00	5.64	4.64	5.72	4.72	5.13	4.13	-1.33	-2.33	0.13	-0.87	-1.06	-2.06
114+50.00	5.55	5.55	5.64	5.64	4.55	4.55	-1.31	-1.31	0.11	0.11	-1.08	-1.08
115+00.00	5.48	5.48	5.58	5.58	4.00	4.00	-1.32	-1.32	0.03	0.03	-1.10	-1.10
115+50.00	5.43	6.43	5.56	6.56	3.57	4.57	-1.31	-0.31	-0.02	0.98	-1.18	-0.18
116+00.00	5.37	7.37	5.52	7.52	3.13	5.13	-1.42	0.58	-0.12	1.88	-1.27	0.73
116+50.00	5.30	8.30	5.44	8.44	2.86	5.86	-1.53	1.47	-0.23	2.77	-1.34	1.66
117+00.00	6.24	8.24	6.37	8.37	3.60	5.60	-0.60	1.40	0.63	2.63	-0.42	1.58
117+50.00	6.17	9.17	6.31	9.31	3.26	6.26	-0.74	2.26	0.44	3.44	-0.53	2.47
118+00.00	7.10	9.10	7.25	9.25	3.97	5.97	0.11	2.11	1.25	3.25	0.35	2.35
118+50.00	7.03	9.03	7.20	9.20	3.79	5.79	-0.03	1.97	1.07	3.07	0.24	2.24
119+00.00	7.95	7.95	8.13	8.13	4.50	4.50	0.82	0.82	1.90	1.90	1.12	1.12
119+50.00	3.38	2.88	3.58	3.08	-0.34	-0.84	-3.81	-4.31	-2.75	-3.25	-3.50	-4.00
120+00.00	3.31	2.81	3.53	3.03	-0.60	-1.10	-3.92	-4.42	-2.87	-3.37	-3.58	-4.08
120+50.00	5.74	7.74	5.98	7.98	1.74	3.74	-1.47	0.53	-0.43	1.57	-1.13	0.87
121+00.00	6.67	5.67	6.95	5.95	2.44	1.44	-0.51	-1.51	0.43	-0.57	-0.21	-1.21
121+50.00	4.61	6.61	4.91	6.91	0.30	2.30	-2.72	-0.72	-1.74	0.26	-2.33	-0.33
122+00.00	3.54	5.54	3.87	5.87	-0.73	1.27	-3.88	-1.88	-2.88	-0.88	-3.45	-1.45
122+50.00	3.46	4.46	3.81	4.81	-0.75	0.25	-4.00	-3.00	-3.03	-2.03	-3.57	-2.57
123+00.00	3.38	3.38	3.72	3.72	-0.82	-0.82	-4.08	-4.08	-3.15	-3.15	-3.69	-3.69

123+50.00	3.30	3.30	3.66	3.66	-0.78	-0.78	-4.12	-4.12	-3.23	-3.23	-3.74	-3.74
124+00.00	3.24	3.24	3.62	3.62	-0.83	-0.83	-4.22	-4.22	-3.31	-3.31	-3.79	-3.79
124+50.00	3.21	3.21	3.67	3.67	-0.87	-0.87	-4.33	-4.33	-3.38	-3.38	-3.93	-3.93
125+00.00	3.17	3.17	3.78	3.78	-1.06	-1.06	-4.38	-4.38	-3.42	-3.42	-4.07	-4.07
125+50.00	3.11	3.11	3.78	3.78	-1.32	-1.32	-4.46	-4.46	-3.61	-3.61	-4.16	-4.16
126+00.00	3.04	3.04	3.77	3.77	-1.66	-1.66	-4.66	-4.66	-3.79	-3.79	-4.24	-4.24
126+50.00	3.00	3.00	3.93	3.93	-2.43	-2.43	-4.75	-4.75	-3.84	-3.84	-4.26	-4.26
127+00.00	2.94	2.94	3.82	3.82	-2.50	-2.50	-4.79	-4.79	-3.87	-3.87	-4.26	-4.26
127+50.00	2.88	2.88	3.67	3.67	-2.47	-2.47	-4.82	-4.82	-3.86	-3.86	-4.30	-4.30
128+00.00	2.82	2.82	3.40	3.40	-2.63	-2.63	-4.86	-4.86	-3.95	-3.95	-4.33	-4.33
128+50.00	2.76	2.76	3.27	3.27	-2.70	-2.70	-4.86	-4.86	-4.02	-4.02	-4.39	-4.39
129+00.00	2.72	2.72	3.27	3.27	-2.82	-2.82	-4.93	-4.93	-4.05	-4.05	-4.45	-4.45
129+50.00	2.67	2.67	2.43	2.43	-2.93	-2.93	-4.99	-4.99	-4.15	-4.15	-4.54	-4.54
130+00.00	2.60	2.60	2.01	2.01	-3.06	-3.06	-5.05	-5.05	-4.25	-4.25	-4.63	-4.63
130+50.00	2.55	2.55	1.87	1.87	-3.13	-3.13	-5.09	-5.09	-4.31	-4.31	-4.67	-4.67
131+00.00	2.49	2.49	1.17	1.17	-3.31	-3.31	-5.14	-5.14	-4.41	-4.41	-4.70	-4.70
131+50.00	2.42	4.42	0.79	2.79	-3.46	-1.46	-5.22	-3.22	-4.54	-2.54	-4.97	-2.97
132+00.00	2.31	6.31	0.23	4.23	-3.64	0.36	-5.34	-1.34	-4.61	-0.61	-5.03	-1.03
132+50.00	2.15	6.15	-0.41	3.59	-3.84	0.16	-5.47	-1.47	-4.76	-0.76	-5.12	-1.12
133+00.00	2.00	6.00	-0.92	3.08	-4.05	-0.05	-5.56	-1.56	-4.91	-0.91	-5.24	-1.24
133+50.00	1.82	5.82	-1.36	2.64	-4.25	-0.25	-5.69	-1.69	-5.05	-1.05	-5.36	-1.36
134+00.00	1.70	5.70	-1.83	2.17	-4.43	-0.43	-5.79	-1.79	-5.18	-1.18	-5.48	-1.48
134+50.00	2.68	5.68	-0.94	2.06	-3.54	-0.54	-4.95	-1.95	-4.26	-1.26	-4.55	-1.55
135+00.00	2.67	5.67	-1.02	1.98	-3.74	-0.74	-5.02	-2.02	-4.36	-1.36	-4.60	-1.60
135+50.00	2.66	5.66	-1.23	1.77	-3.83	-0.83	-5.04	-2.04	-4.38	-1.38	-4.65	-1.65
136+00.00	2.64	5.64	-1.41	1.59	-3.88	-0.88	-5.05	-2.05	-4.43	-1.43	-4.69	-1.69
136+50.00	2.62	5.62	-1.46	1.54	-3.90	-0.90	-5.14	-2.14	-4.49	-1.49	-4.76	-1.76
137+00.00	2.61	5.61	-1.51	1.49	-4.00	-1.00	-5.16	-2.16	-4.54	-1.54	-4.80	-1.80
137+50.00	2.62	5.62	-1.59	1.41	-4.01	-1.01	-5.16	-2.16	-4.56	-1.56	-4.81	-1.81
138+00.00	2.63	5.63	-1.66	1.34	-4.03	-1.03	-5.19	-2.19	-4.58	-1.58	-4.83	-1.83
138+50.00	2.64	5.64	-1.72	1.28	-4.03	-1.03	-5.23	-2.23	-4.60	-1.60	-4.86	-1.86
139+00.00	2.66	5.66	-1.75	1.25	-4.08	-1.08	-5.26	-2.26	-4.64	-1.64	-4.90	-1.90
139+50.00	2.68	4.68	-1.84	0.16	-4.11	-2.11	-5.29	-3.29	-4.67	-2.67	-4.93	-2.93
140+00.00	2.71	3.71	-1.91	-0.91	-4.14	-3.14	-5.32	-4.32	-4.69	-3.69	-4.96	-3.96
140+50.00	2.76	3.76	-1.99	-0.99	-4.18	-3.18	-5.35	-4.35	-4.72	-3.72	-5.00	-4.00
141+00.00	2.83	3.83	-2.09	-1.09	-4.23	-3.23	-5.38	-4.38	-4.75	-3.75	-5.03	-4.03
141+50.00	2.91	3.91	-2.19	-1.19	-4.27	-3.27	-5.41	-4.41	-4.79	-3.79	-5.06	-4.06

142+00.00	3.00	4.00	-2.27	-1.27	-4.30	-3.30	-5.43	-4.43	-4.78	-3.78	-5.07	-4.07
142+50.00	3.10	4.10	-2.34	-1.34	-4.33	-3.33	-5.44	-4.44	-4.82	-3.82	-5.08	-4.08
143+00.00	3.20	4.20	-2.39	-1.39	-4.35	-3.35	-5.43	-4.43	-4.84	-3.84	-5.08	-4.08
143+50.00	3.30	3.30	-2.43	-2.43	-4.36	-4.36	-5.42	-5.42	-4.83	-4.83	-5.08	-5.08
144+00.00	3.38	3.38	-2.46	-2.46	-4.37	-4.37	-5.42	-5.42	-4.83	-4.83	-5.09	-5.09
144+50.00	3.54	3.54	-2.52	-2.52	-4.40	-4.40	-5.41	-5.41	-4.84	-4.84	-5.08	-5.08
145+00.00	3.70	3.70	-2.56	-2.56	-4.43	-4.43	-5.41	-5.41	-4.86	-4.86	-5.09	-5.09
145+50.00	3.38	3.38	-2.62	-2.62	-4.43	-4.43	-5.45	-5.45	-4.86	-4.86	-5.08	-5.08
146+00.00	2.94	2.94	-2.63	-2.63	-4.40	-4.40	-5.44	-5.44	-4.84	-4.84	-5.08	-5.08
146+50.00	1.91	1.91	-2.68	-2.68	-4.39	-4.39	-5.52	-5.52	-4.85	-4.85	-5.08	-5.08
147+00.00	1.47	1.47	-2.78	-2.78	-4.46	-4.46	-5.49	-5.49	-4.81	-4.81	-5.06	-5.06
147+40.00	1.36	1.36	-2.83	-2.83	-4.48	-4.48	-5.44	-5.44	-4.78	-4.78	-5.03	-5.03
147+50.00	1.51	1.51	-2.66	-2.66	-4.32	-4.32	-5.28	-5.28	-4.62	-4.62	-4.87	-4.87
148+00.00	2.29	2.29	-1.79	-1.79	-3.49	-3.49	-4.46	-4.46	-3.82	-3.82	-4.09	-4.09
148+50.00	3.17	3.17	-0.92	-0.92	-2.64	-2.64	-3.70	-3.70	-3.02	-3.02	-3.32	-3.32
149+00.00	3.82	3.82	-0.05	-0.05	-1.83	-1.83	-2.94	-2.94	-2.27	-2.27	-2.53	-2.53
149+50.00	4.59	4.59	0.71	0.71	-1.09	-1.09	-2.20	-2.20	-1.54	-1.54	-1.82	-1.82
150+00.00	5.62	5.62	1.38	1.38	-0.41	-0.41	-1.45	-1.45	-0.87	-0.87	-1.14	-1.14
150+20.00	5.88	5.88	1.62	1.62	-0.14	-0.14	-1.19	-1.19	-0.59	-0.59	-0.88	-0.88
150+50.00	5.80	5.80	1.57	1.57	-0.17	-0.17	-1.23	-1.23	-0.62	-0.62	-0.90	-0.90
151+00.00	5.09	5.09	1.44	1.44	-0.28	-0.28	-1.29	-1.29	-0.69	-0.69	-0.96	-0.96
151+50.00	4.52	4.52	1.29	1.29	-0.37	-0.37	-1.42	-1.42	-0.73	-0.73	-1.02	-1.02
152+00.00	3.92	3.92	1.13	1.13	-0.45	-0.45	-1.43	-1.43	-0.77	-0.77	-1.04	-1.04
152+50.00	3.45	3.45	0.96	0.96	-0.55	-0.55	-1.46	-1.46	-0.83	-0.83	-1.09	-1.09
153+00.00	3.12	3.12	0.84	0.84	-0.66	-0.66	-1.55	-1.55	-0.89	-0.89	-1.13	-1.13
153+50.00	2.67	2.67	0.67	0.67	-0.79	-0.79	-1.58	-1.58	-0.94	-0.94	-1.18	-1.18
154+00.00	2.42	2.42	0.57	0.57	-0.87	-0.87	-1.64	-1.64	-1.05	-1.05	-1.27	-1.27
154+50.00	2.17	2.17	0.50	0.50	-0.98	-0.98	-1.72	-1.72	-1.11	-1.11	-1.29	-1.29
154+70.00	2.08	2.08	0.46	0.46	-1.01	-1.01	-1.74	-1.74	-1.13	-1.13	-1.29	-1.29
155+00.00	1.95	2.81	0.38	1.24	-1.04	-0.18	-1.78	-0.93	-1.15	-0.29	-1.28	-0.42
155+50.00	1.75	4.03	0.19	2.47	-1.12	1.16	-1.86	0.41	-1.18	1.10	-1.36	0.92
156+00.00	2.80	5.27	1.29	3.76	-0.02	2.46	-0.75	1.73	-0.05	2.43	-0.19	2.29
156+50.00	3.84	3.56	2.41	2.13	1.04	0.77	0.32	0.04	1.08	0.81	0.94	0.67
156+75.00	4.35	2.70	2.95	1.30	1.57	-0.08	0.86	-0.79	1.61	-0.04	1.51	-0.14
157+00.00	3.67	1.84	2.29	0.46	0.91	-0.93	0.22	-1.62	0.93	-0.91	0.84	-0.99
157+30.00	2.90	0.84	1.51	-0.55	0.13	-1.93	-0.56	-2.61	0.09	-1.97	0.04	-2.02
157+50.00	2.38	0.92	0.98	-0.48	-0.39	-1.85	-1.07	-2.54	-0.46	-1.92	-0.52	-1.98

158+00.00	1.00	1.02	-0.40	-0.39	-1.71	-1.69	-2.39	-2.37	-1.89	-1.87	-1.90	-1.89
158+20.00	0.43	1.04	-1.02	-0.41	-2.26	-1.65	-2.94	-2.33	-2.49	-1.88	-2.48	-1.87
158+50.00	1.04	1.11	-0.30	-0.23	-1.53	-1.46	-2.21	-2.14	-1.83	-1.77	-1.81	-1.74
159+00.00	1.34	1.46	0.03	0.15	-1.22	-1.11	-1.87	-1.75	-1.54	-1.42	-1.62	-1.50
159+50.00	1.73	1.90	0.41	0.57	-0.89	-0.73	-1.55	-1.39	-1.14	-0.98	-1.25	-1.09
160+00.00	2.08	2.28	0.79	1.00	-0.51	-0.30	-1.15	-0.94	-0.75	-0.54	-0.82	-0.61
160+50.00	2.42	2.67	1.16	1.41	-0.13	0.13	-0.80	-0.54	-0.39	-0.13	-0.48	-0.23
161+00.00	2.66	2.96	1.39	1.69	0.15	0.45	-0.53	-0.23	-0.23	0.07	-0.35	-0.05
161+50.00	2.92	2.78	1.57	1.44	0.32	0.19	-0.36	-0.50	0.04	-0.10	-0.03	-0.17
162+00.00	3.21	2.64	1.93	1.36	0.73	0.16	0.03	-0.54	0.43	-0.14	0.35	-0.22
162+50.00	3.52	2.52	2.35	1.35	1.15	0.15	0.46	-0.54	0.88	-0.12	0.78	-0.22
162+60.00	3.48	2.47	2.33	1.32	1.15	0.14	0.46	-0.55	0.87	-0.14	0.77	-0.24
162+61.00	3.48	3.47	2.33	2.32	1.14	1.14	0.46	0.45	0.87	0.86	0.77	0.76
163+00.00	3.38	3.33	2.26	2.22	1.10	1.06	0.44	0.39	0.84	0.80	0.74	0.69
163+40.00	3.35	3.27	2.23	2.15	1.07	1.00	0.42	0.34	0.82	0.74	0.73	0.65
163+50.00	3.35	3.26	2.22	2.13	1.07	0.98	0.42	0.33	0.82	0.73	0.73	0.64
163+75.00	3.34	3.23	2.21	2.10	1.06	0.95	0.41	0.30	0.81	0.70	0.72	0.61
164+00.00	3.30	3.17	2.18	2.04	1.03	0.90	0.39	0.26	0.80	0.67	0.71	0.57
164+10.00	3.29	3.15	2.16	2.02	1.02	0.88	0.38	0.23	0.79	0.65	0.70	0.55
164+50.00	3.24	3.07	2.11	1.93	0.98	0.80	0.35	0.18	0.75	0.58	0.67	0.49
165+00.00	3.25	3.03	2.09	1.88	0.96	0.74	0.35	0.13	0.75	0.53	0.67	0.45
165+50.00	3.21	2.94	2.07	1.80	0.94	0.67	0.33	0.07	0.74	0.47	0.67	0.40
166+00.00	3.16	2.85	2.02	1.71	0.89	0.58	0.27	-0.04	0.68	0.37	0.62	0.32
166+50.00	3.18	2.83	2.03	1.67	0.89	0.54	0.26	-0.09	0.69	0.34	0.63	0.28
166+60.00	3.17	2.81	2.03	1.67	0.89	0.53	0.25	-0.11	0.69	0.33	0.64	0.28
167+00.00	2.95	2.69	1.84	1.58	0.72	0.45	0.09	-0.17	0.55	0.29	0.50	0.24
167+50.00	2.71	2.58	1.60	1.46	0.51	0.37	-0.06	-0.20	0.35	0.21	0.32	0.18
168+00.00	2.52	2.50	1.40	1.39	0.33	0.31	-0.23	-0.25	0.20	0.19	0.16	0.15
168+05.00	2.49	2.49	1.38	1.38	0.32	0.31	-0.25	-0.25	0.19	0.18	0.15	0.15
168+06.00	2.48	-0.73	1.38	-1.83	0.31	-2.90	-0.25	-3.46	0.18	-3.03	0.15	-3.07
168+15.00	2.44	-0.56	1.34	-1.65	0.28	-2.71	-0.28	-3.28	0.15	-2.84	0.12	-2.88
168+16.00	-0.84	-0.54	-1.93	-1.63	-2.99	-2.69	-3.56	-3.26	-3.12	-2.82	-3.15	-2.85
168+50.00	-0.06	0.08	-1.11	-0.97	-2.16	-2.02	-2.73	-2.60	-2.26	-2.13	-2.30	-2.17
168+80.00	0.67	0.66	-0.38	-0.39	-1.43	-1.45	-2.00	-2.01	-1.51	-1.52	-1.55	-1.56
168+90.00	0.92	0.39	-0.12	-0.66	-1.18	-1.72	-1.74	-2.28	-1.25	-1.78	-1.29	-1.83
169+00.00	0.68	0.13	-0.37	-0.92	-1.43	-1.98	-1.99	-2.54	-1.49	-2.05	-1.53	-2.09
169+50.00	-0.56	-1.22	-1.56	-2.22	-2.62	-3.28	-3.22	-3.88	-2.70	-3.36	-2.73	-3.39

169+69.00	-1.05	-1.75	-2.02	-2.72	-3.09	-3.78	-3.69	-4.39	-3.16	-3.86	-3.19	-3.89
169+70.00	-1.07	2.08	-2.04	1.11	-3.11	0.04	-3.71	-0.56	-3.18	-0.03	-3.21	-0.06
169+75.00	-1.20	2.15	-2.16	1.19	-3.23	0.12	-3.84	-0.48	-3.30	0.05	-3.33	0.02
169+76.00	2.09	2.16	1.14	1.21	0.07	0.14	-0.54	-0.47	0.00	0.07	-0.03	0.04
170+00.00	2.34	2.49	1.40	1.55	0.35	0.50	-0.26	-0.11	0.29	0.44	0.25	0.41
170+50.00	2.90	3.22	1.96	2.28	0.92	1.24	0.35	0.67	0.87	1.19	0.84	1.16
171+00.00	3.49	3.98	2.60	3.08	1.57	2.06	1.04	1.53	1.52	2.01	1.52	2.00
171+30.00	3.85	4.44	2.98	3.57	1.97	2.56	1.44	2.03	1.94	2.53	1.93	2.52
171+50.00	4.08	4.71	3.24	3.88	2.24	2.87	1.71	2.35	2.22	2.85	2.20	2.84
172+00.00	4.63	5.37	3.91	4.65	2.90	3.64	2.38	3.12	2.92	3.66	2.89	3.63
172+50.00	5.15	5.99	4.47	5.32	3.48	4.32	2.96	3.81	3.52	4.36	3.49	4.34
172+58.00	5.22	6.08	4.54	5.41	3.55	4.41	3.03	3.90	3.59	4.46	3.57	4.44
173+00.00	5.64	5.96	4.95	5.27	3.96	4.28	3.45	3.77	4.05	4.37	4.04	4.36
173+30.00	5.99	5.92	5.30	5.23	4.31	4.24	3.81	3.74	4.42	4.35	4.41	4.34
173+31.00	6.00	3.95	5.31	3.26	4.32	2.27	3.82	1.77	4.44	2.38	4.42	2.37
173+50.00	6.23	3.93	5.54	3.24	4.54	2.24	4.06	1.76	4.68	2.38	4.67	2.37
173+90.00	6.13	3.83	5.50	3.20	4.50	2.20	4.07	1.77	4.68	2.38	4.67	2.37
174+00.00	6.09	3.79	5.49	3.19	4.48	2.18	4.05	1.75	4.67	2.37	4.67	2.37
174+20.00	5.99	3.69	5.43	3.13	4.43	2.13	3.99	1.69	4.64	2.34	4.63	2.33
174+21.00	5.98	6.98	5.42	6.42	4.42	5.42	3.99	4.99	4.64	5.64	4.63	5.63
174+50.00	5.82	6.82	5.30	6.30	4.32	5.32	3.88	4.88	4.53	5.53	4.53	5.53
174+70.00	5.75	6.75	5.27	6.27	4.26	5.26	3.82	4.82	4.47	5.47	4.47	5.47
175+00.00	5.71	6.71	5.26	6.26	4.22	5.22	3.76	4.76	4.40	5.40	4.40	5.40
175+50.00	5.70	6.70	5.21	6.21	4.17	5.17	3.70	4.70	4.29	5.29	4.27	5.27
175+90.00	5.67	6.67	5.17	6.17	4.14	5.14	3.65	4.65	4.27	5.27	4.24	5.24