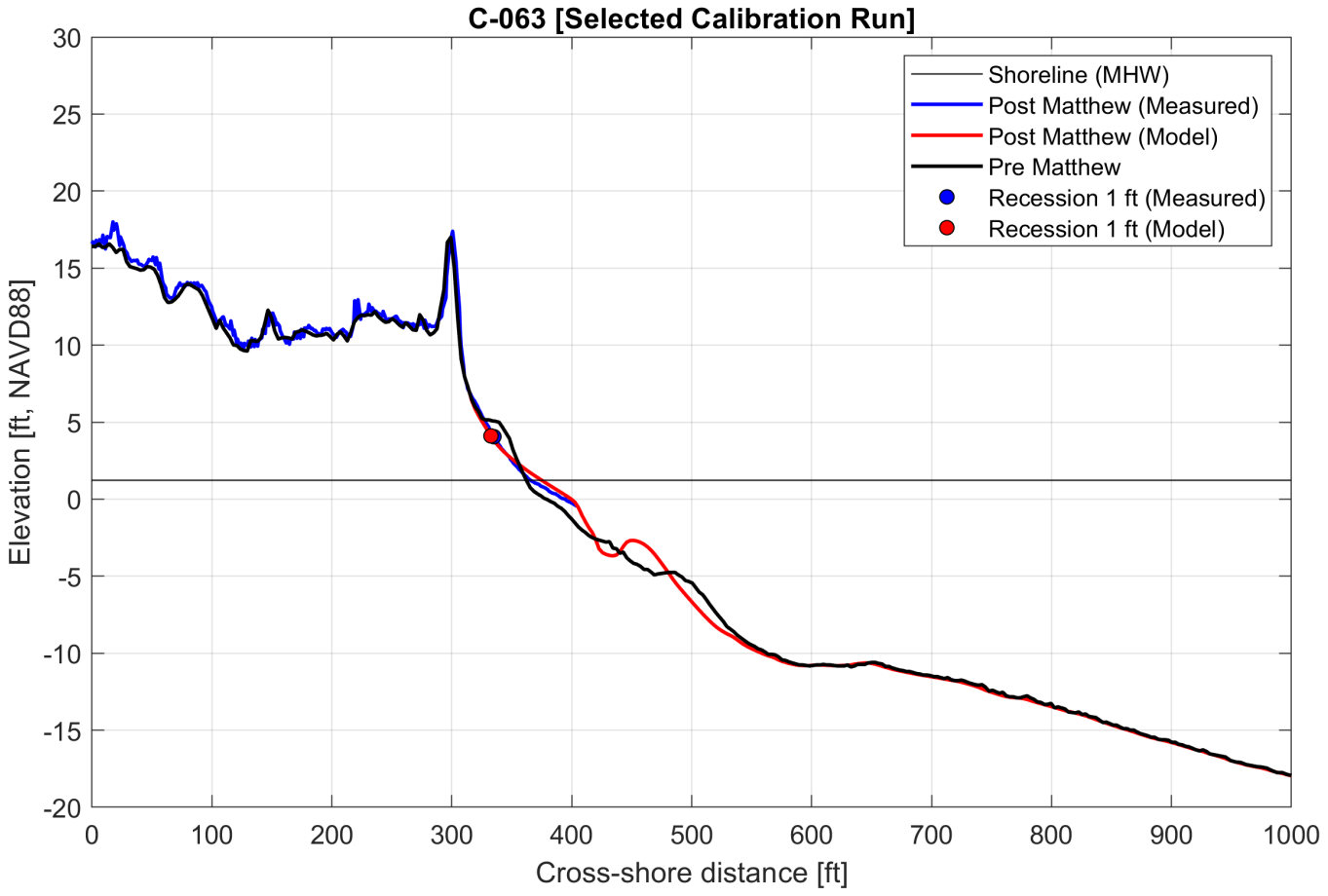
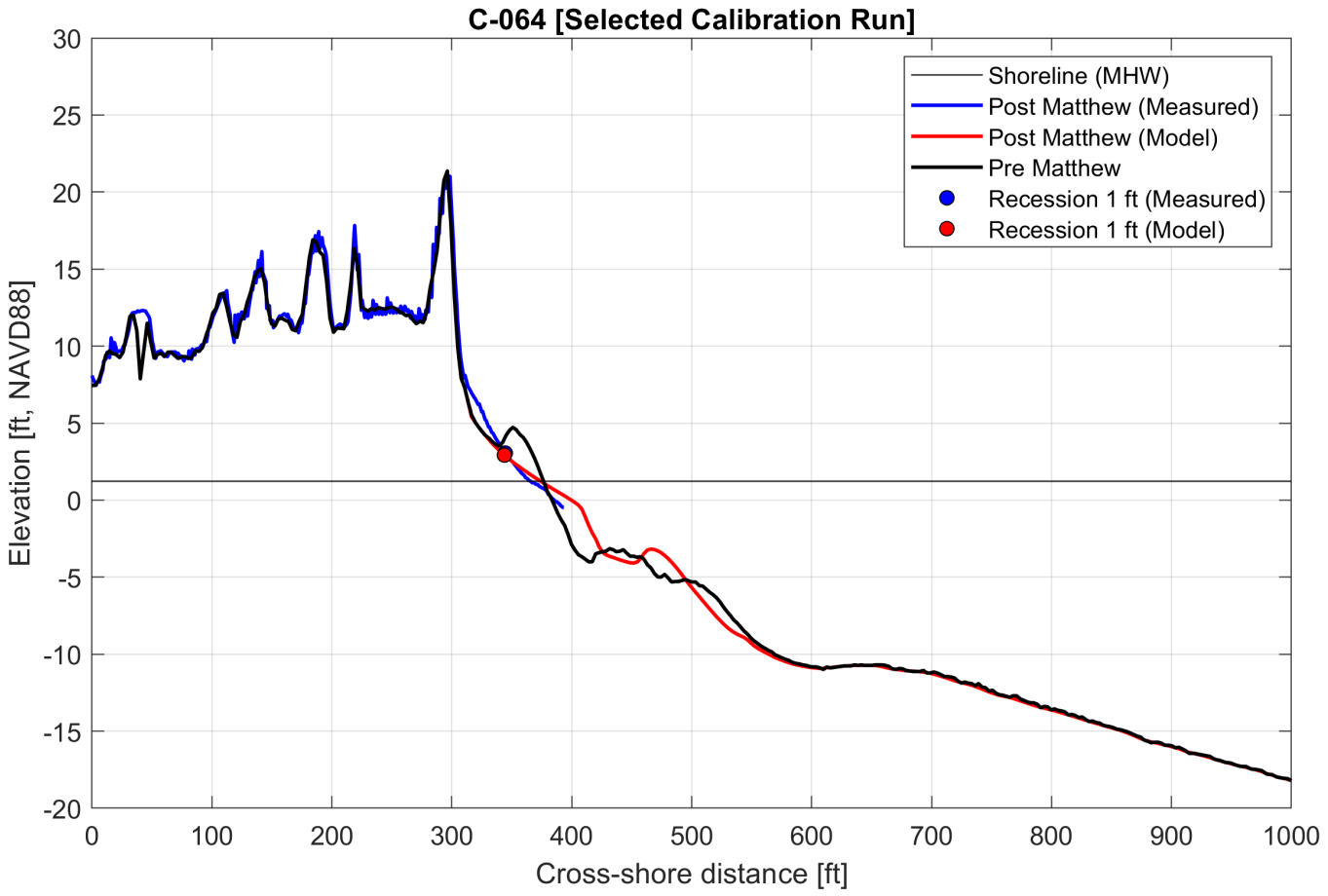
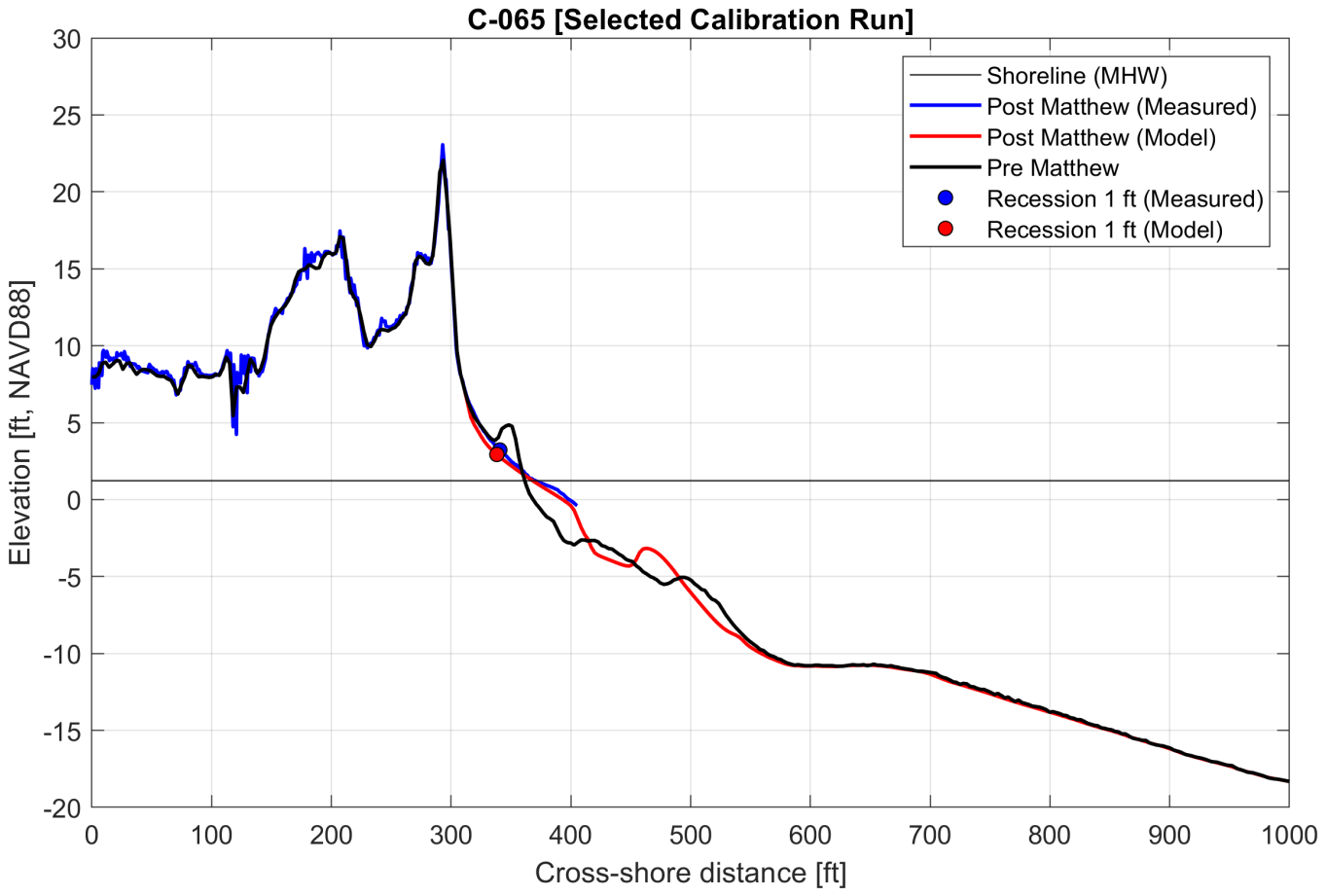
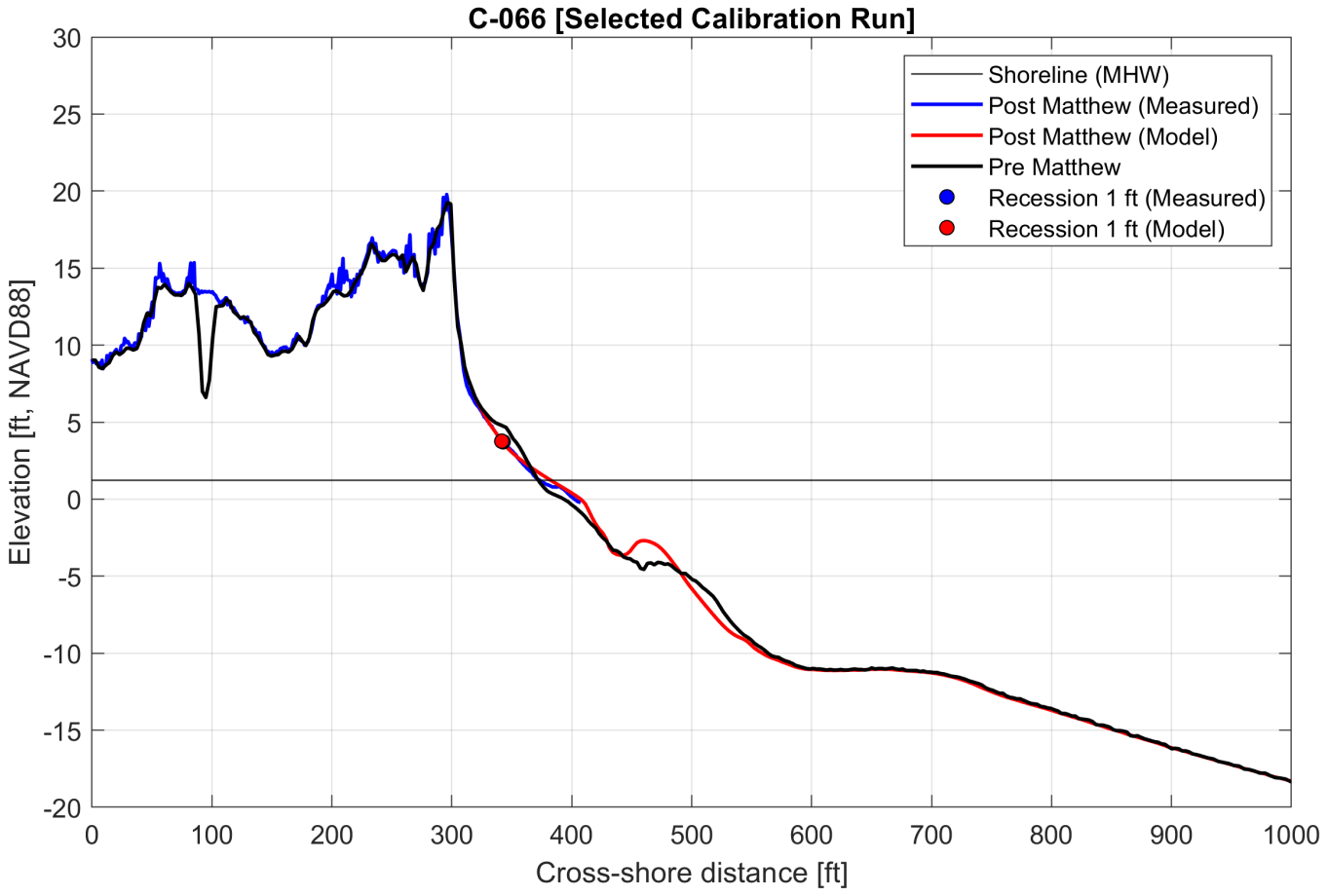
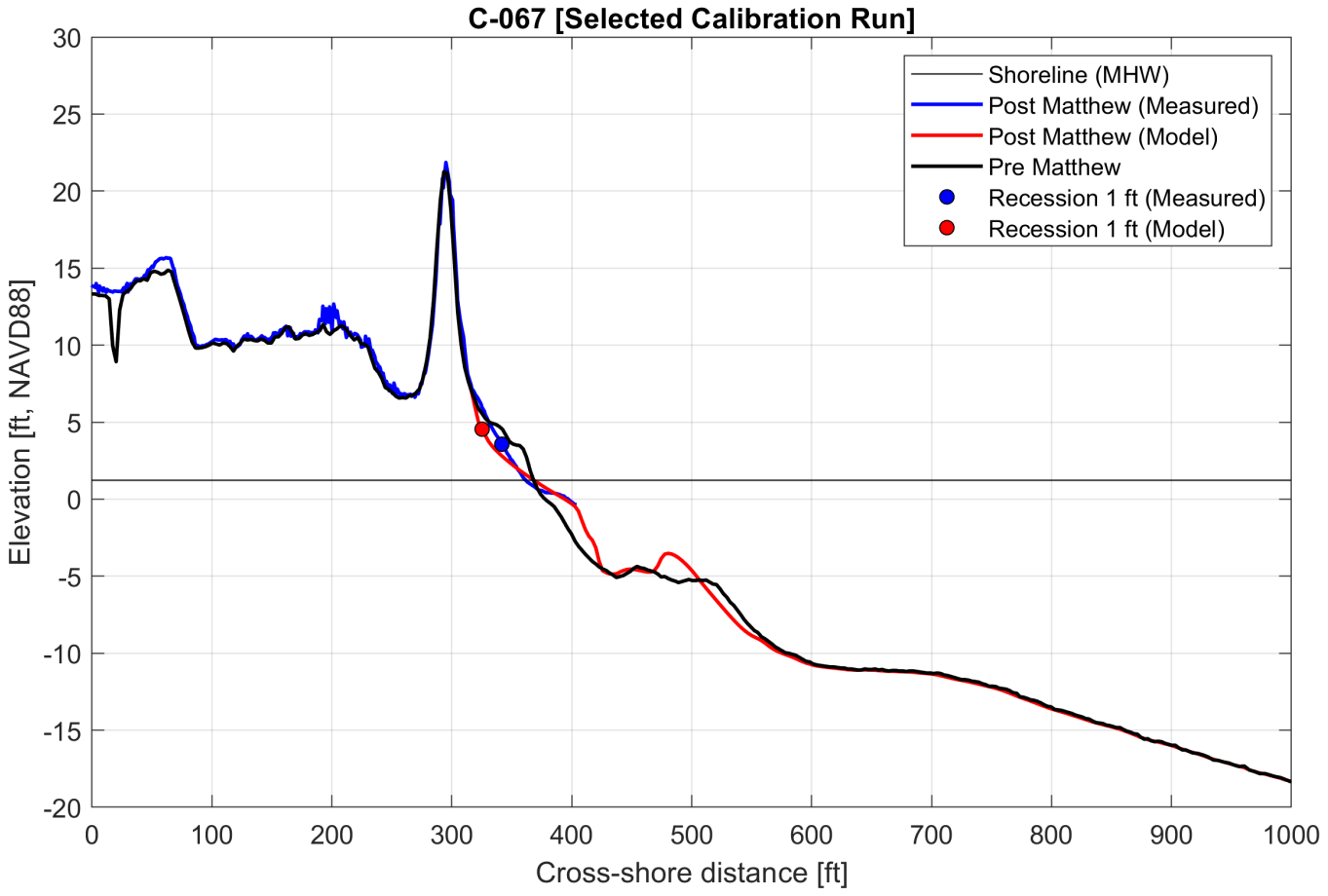
Appendix A
1D Cross-Shore Profile Plots for Hurricane Matthew (2016), Corolla and Pine Island Sections (Stations C-063 to C-120)

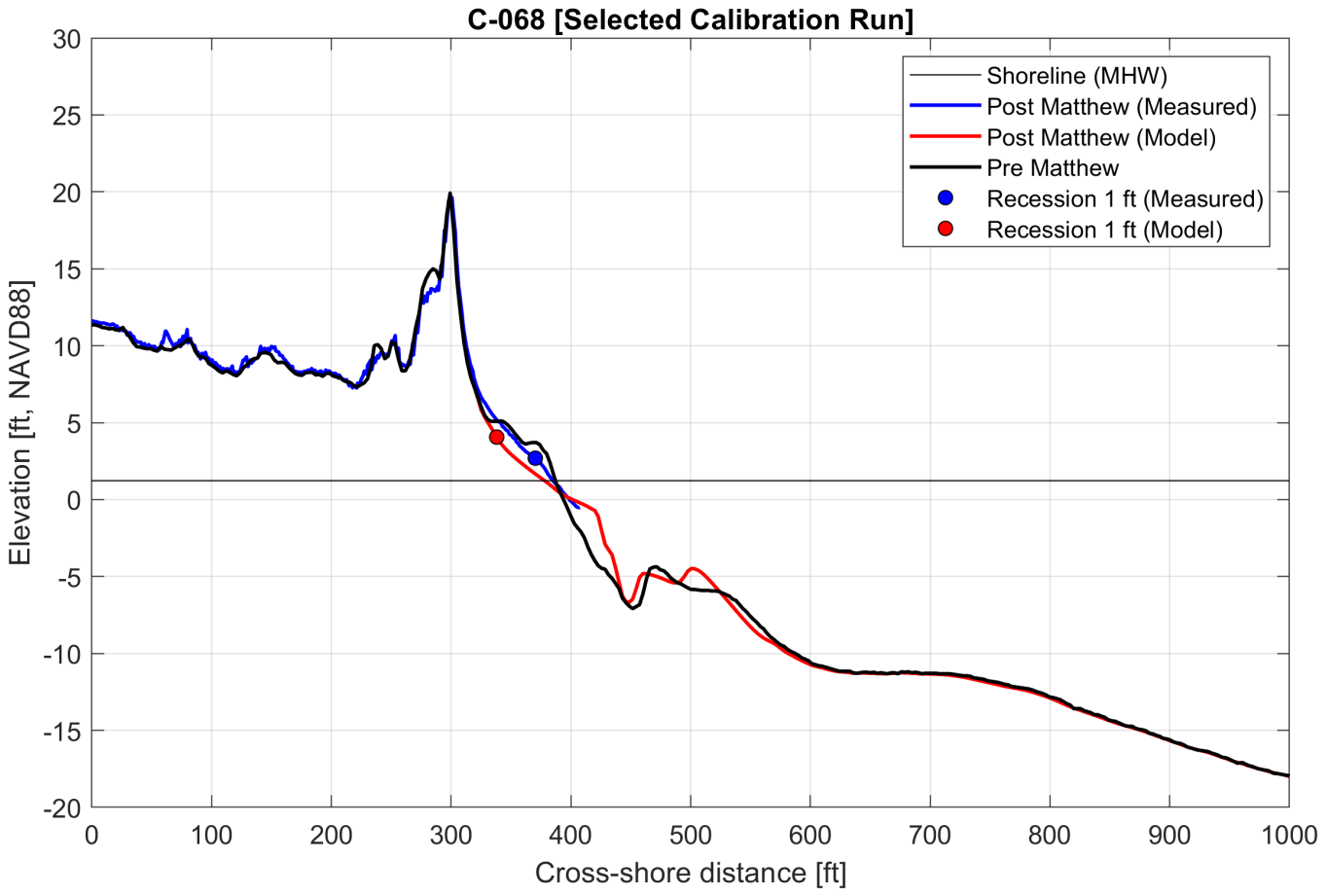

C-063 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

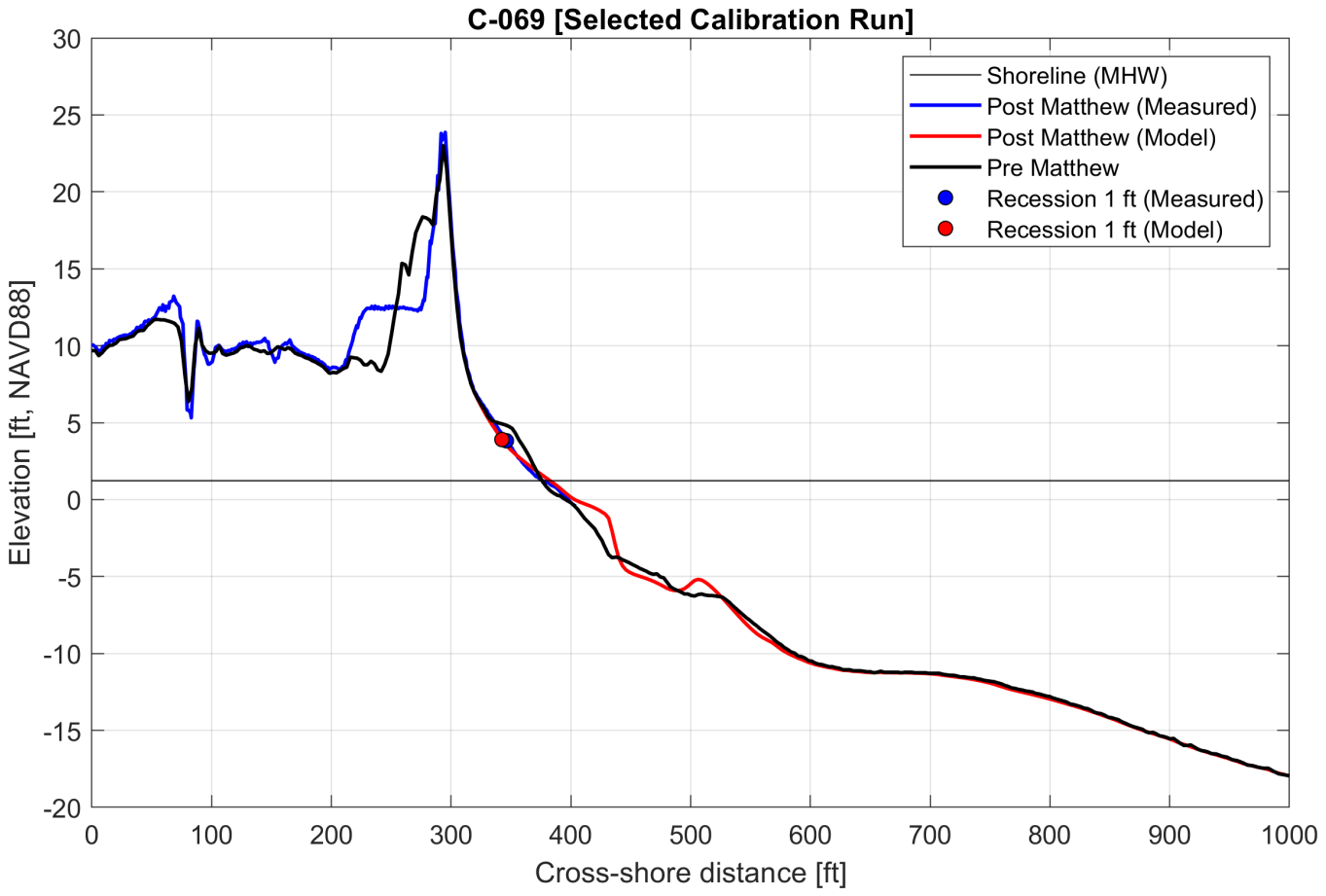

C-064 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

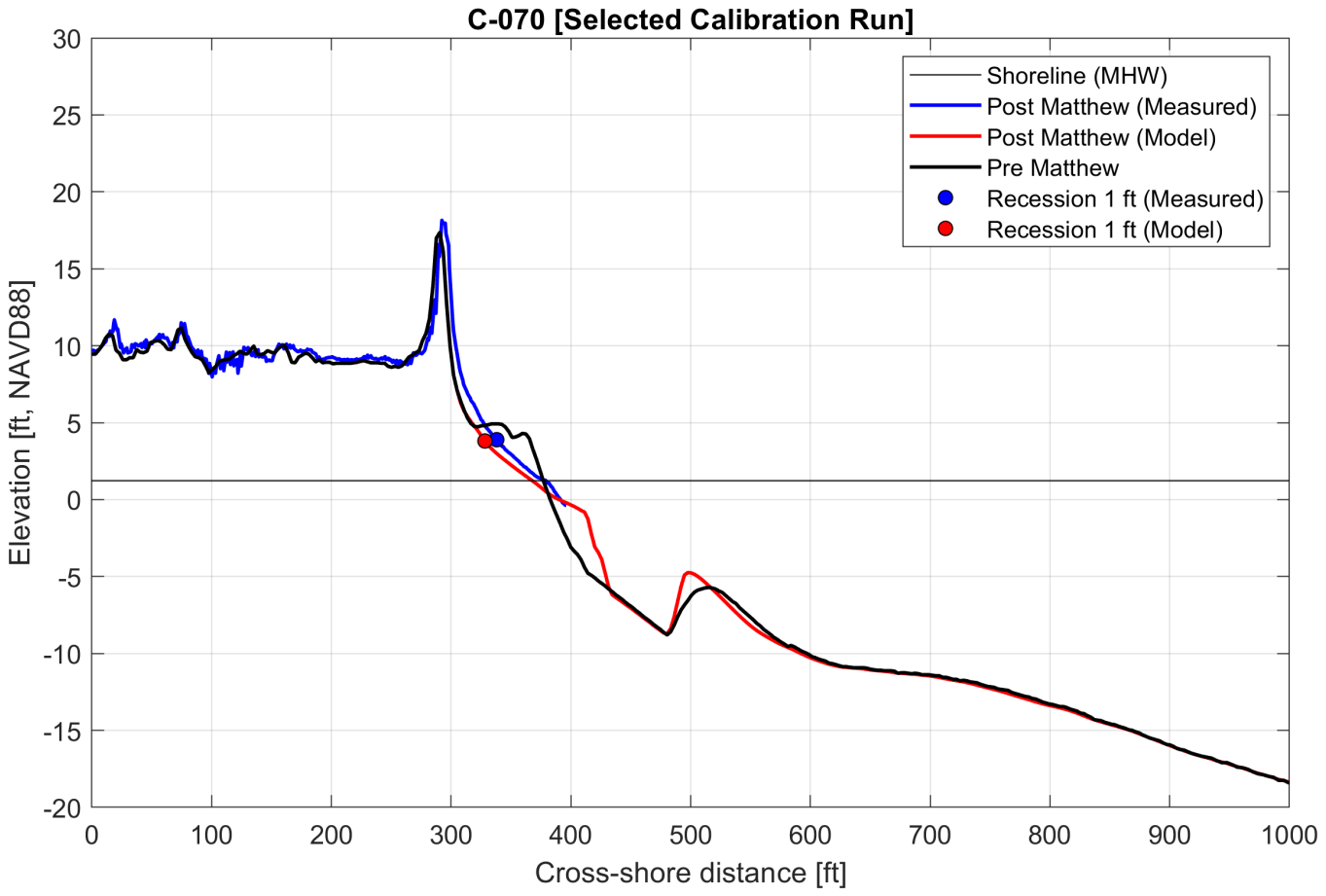

C-065 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

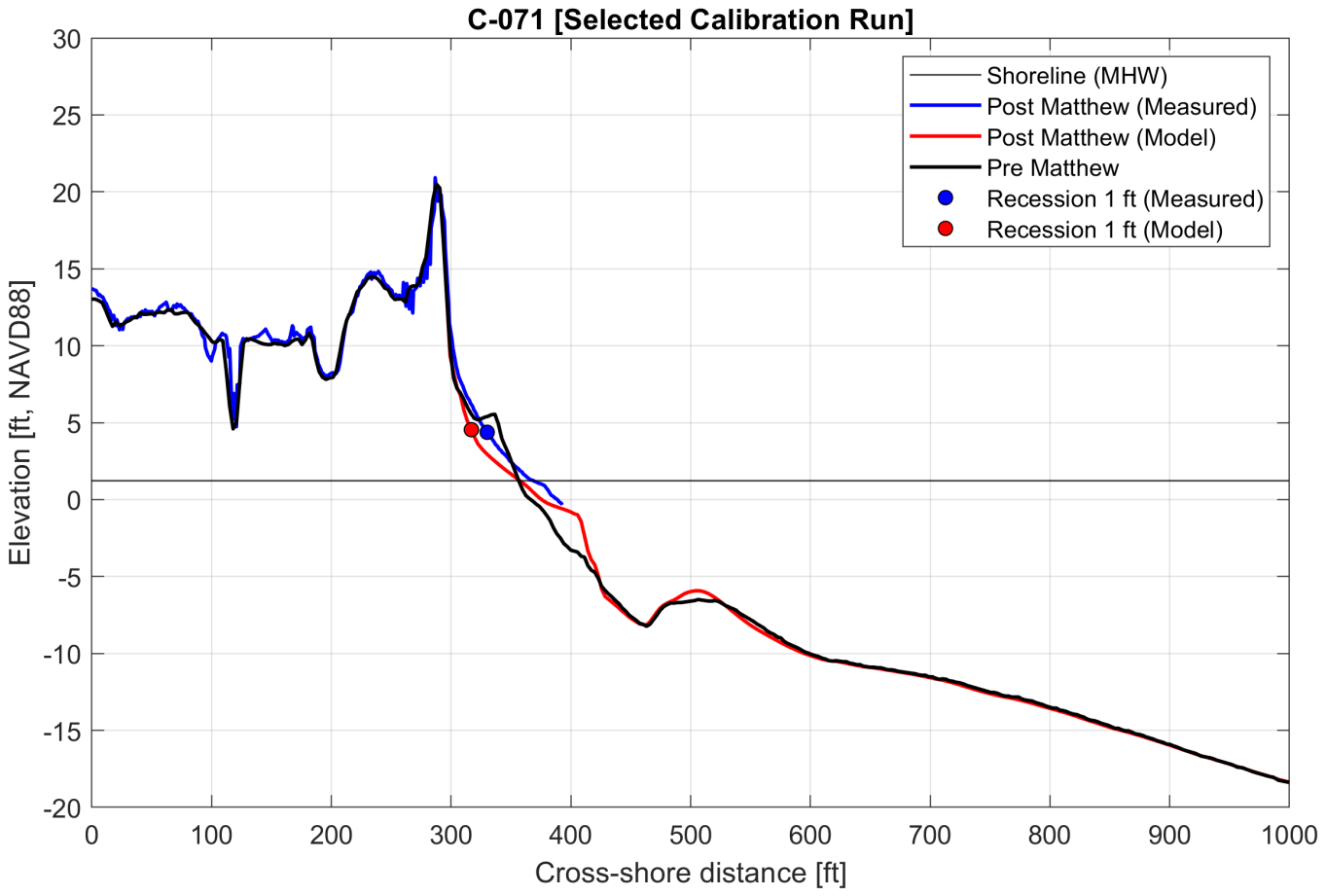

C-066 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

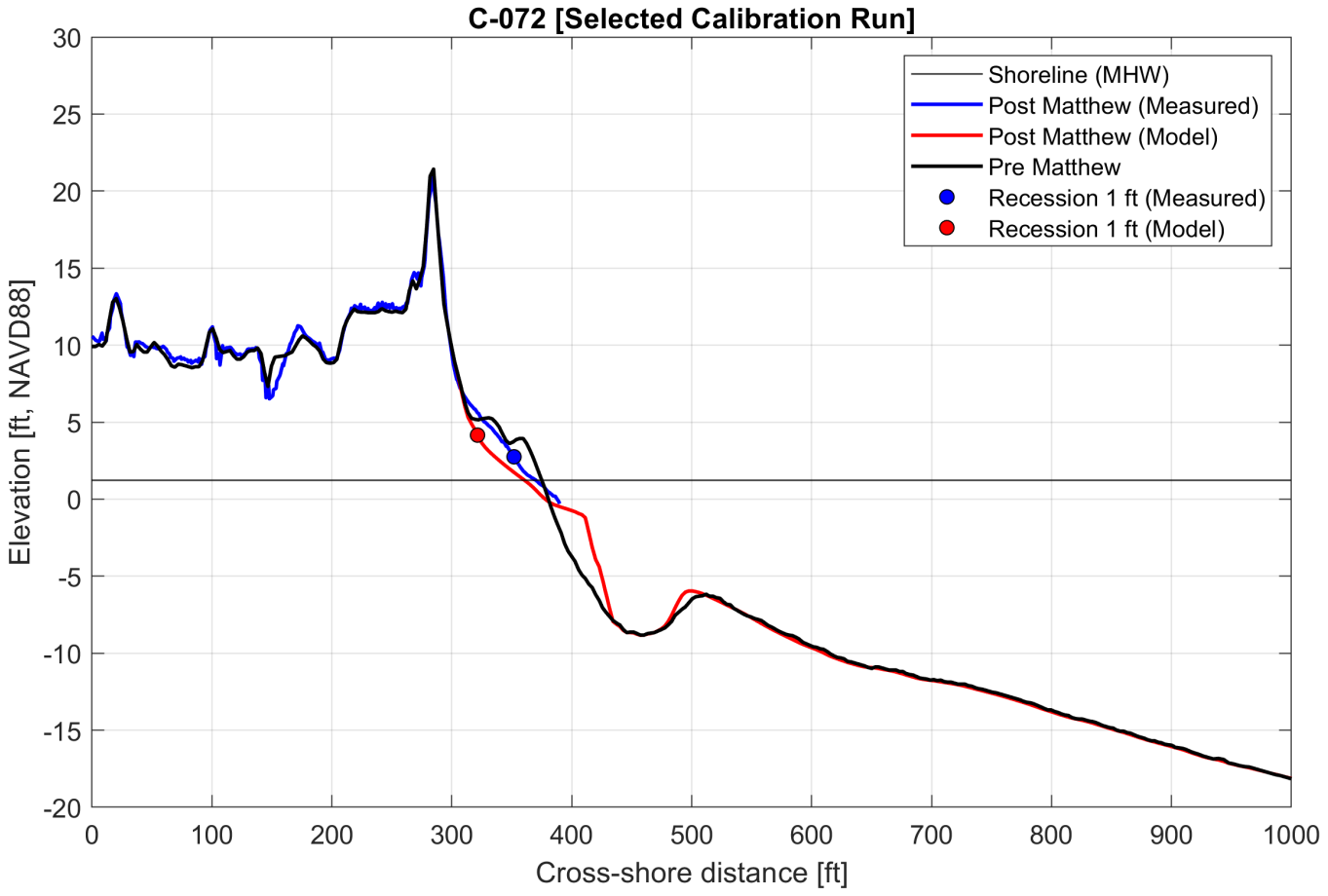

C-067 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

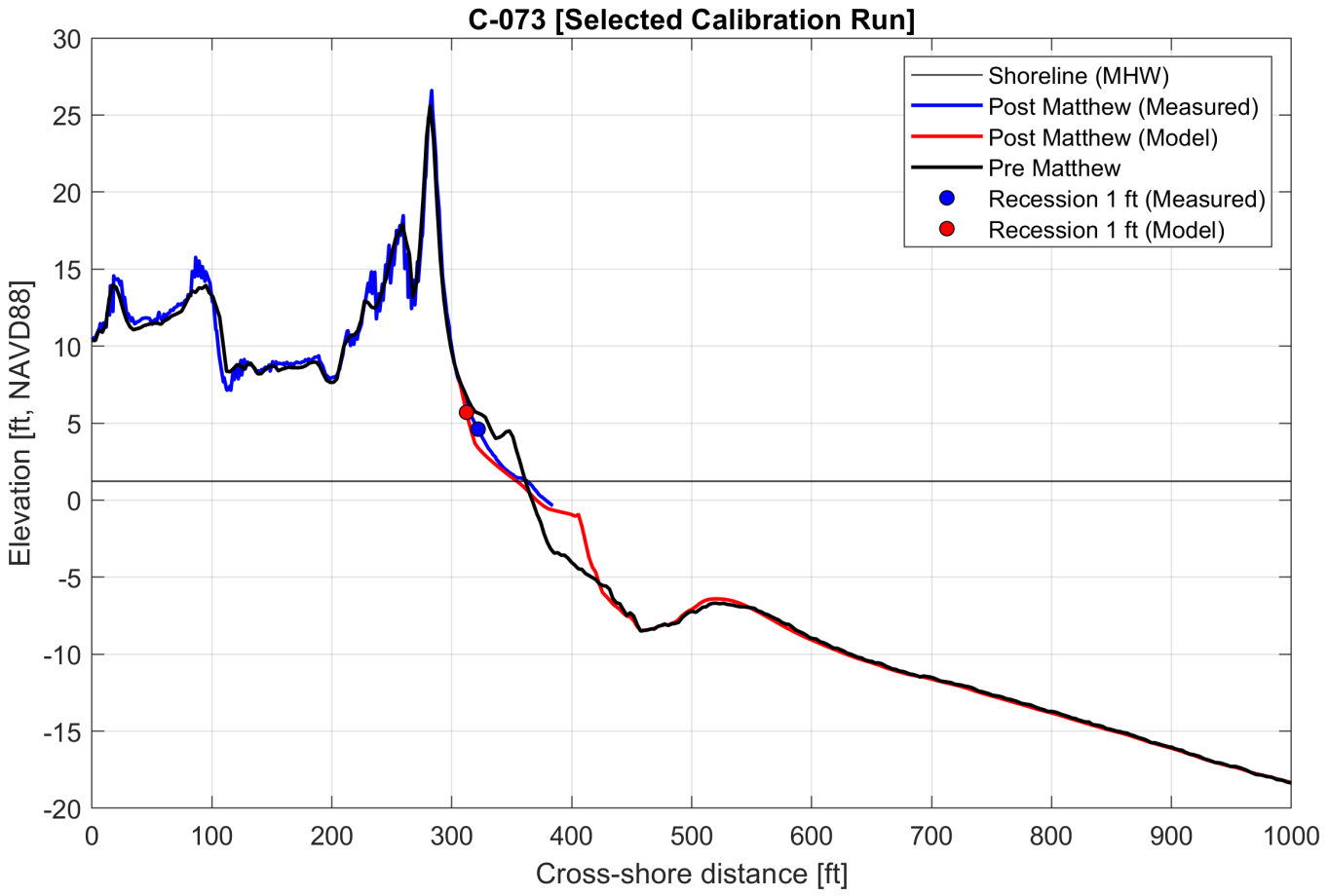

C-068 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

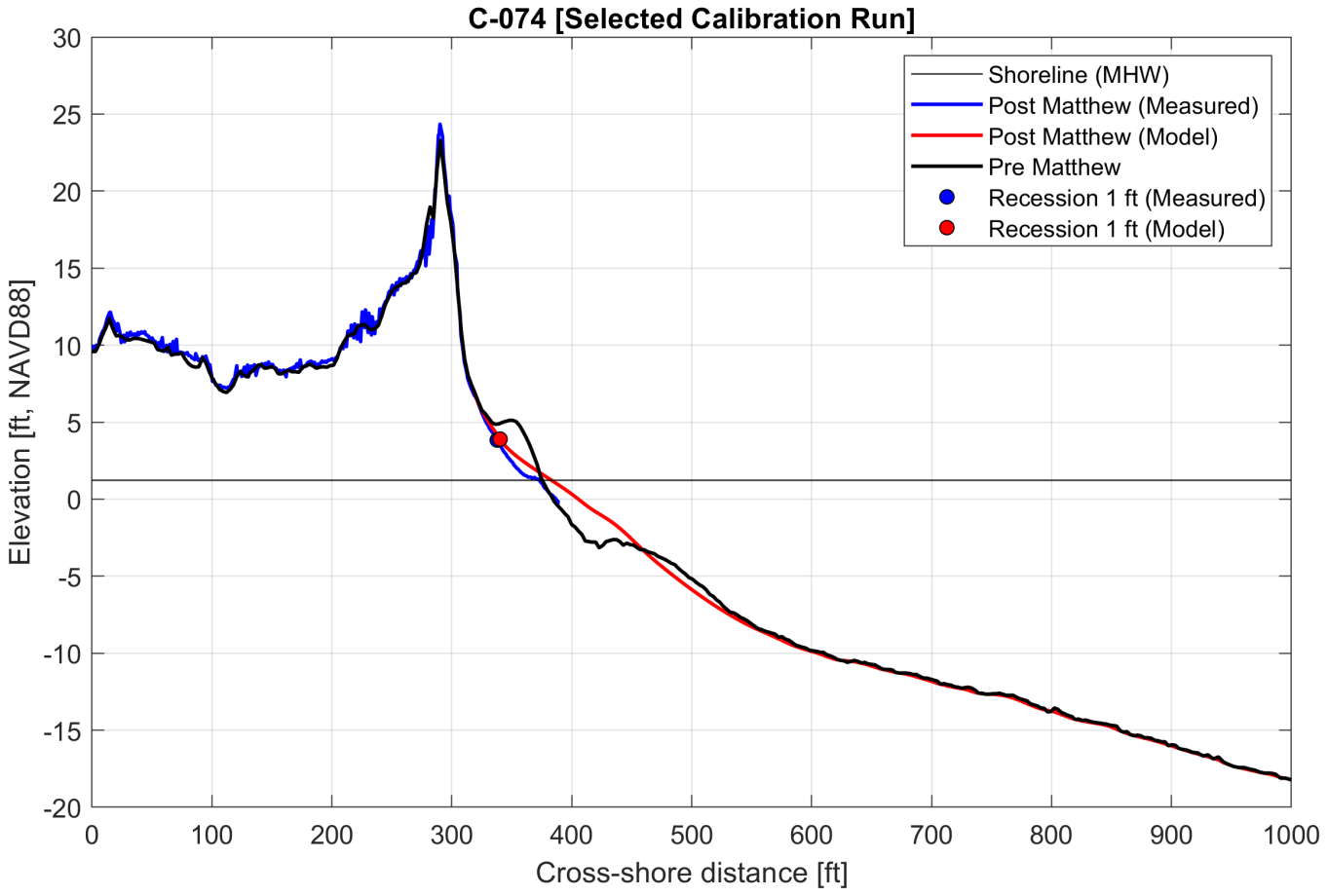

C-069 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

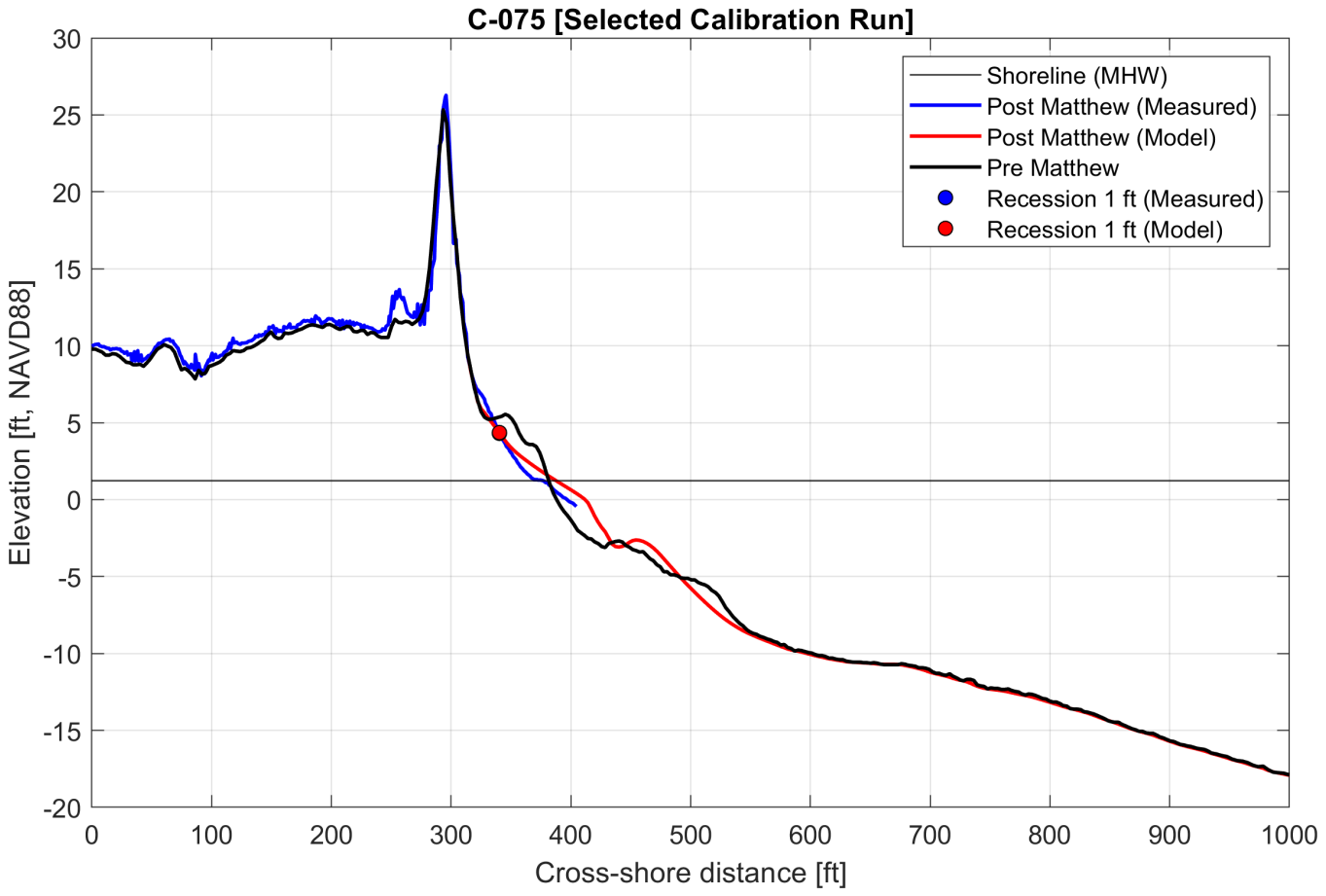

C-070 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

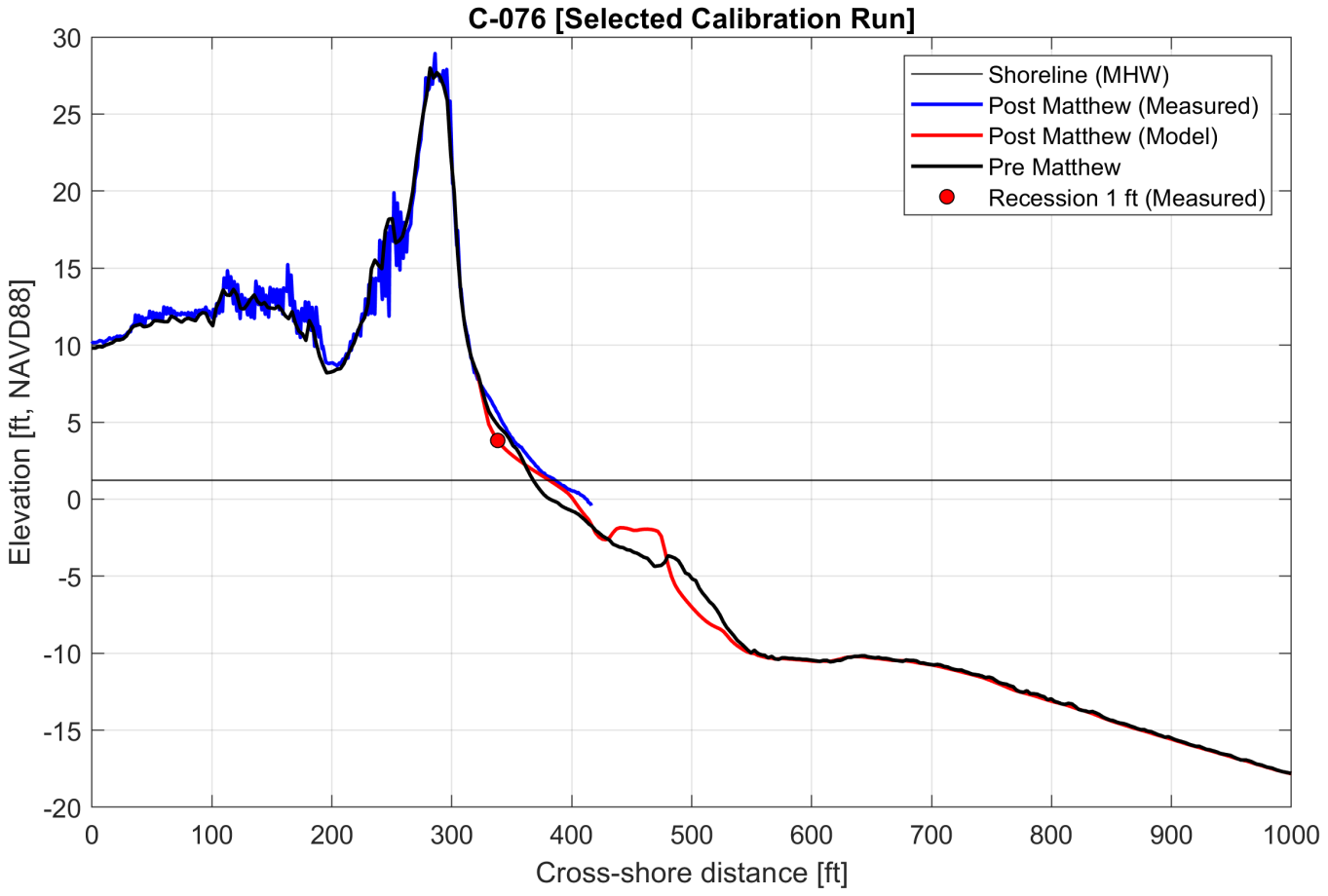

C-071 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

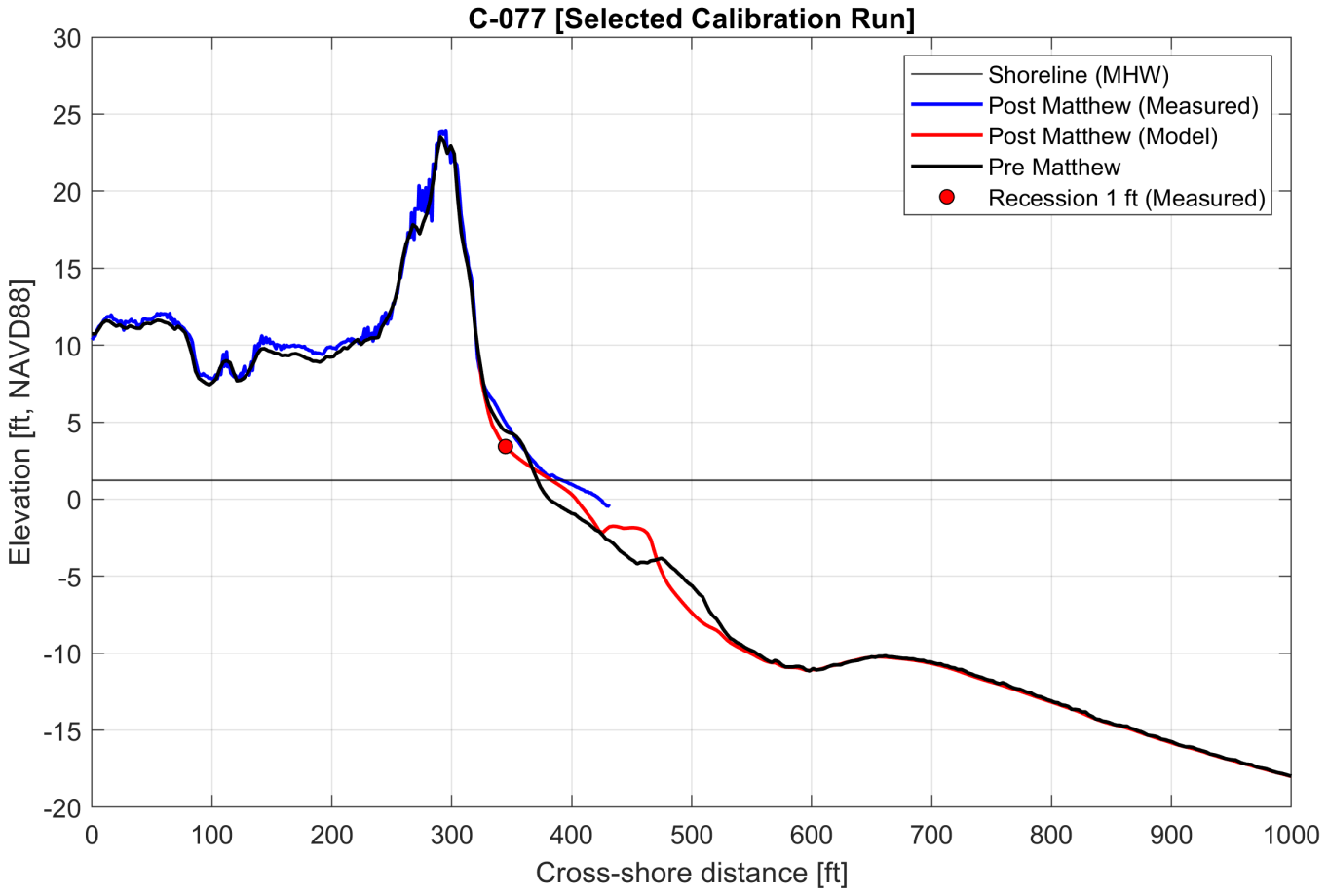

C-072 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

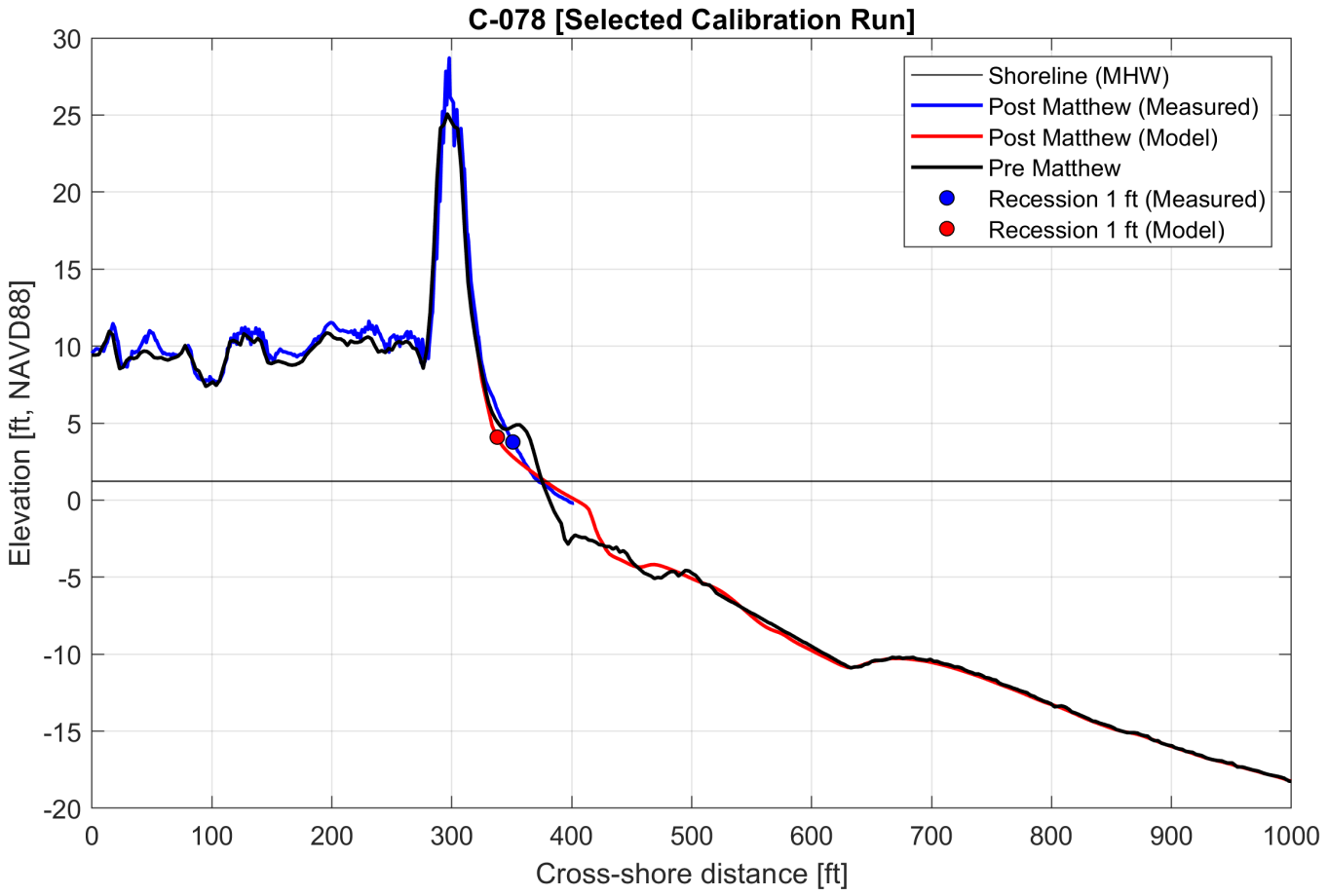

C-073 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

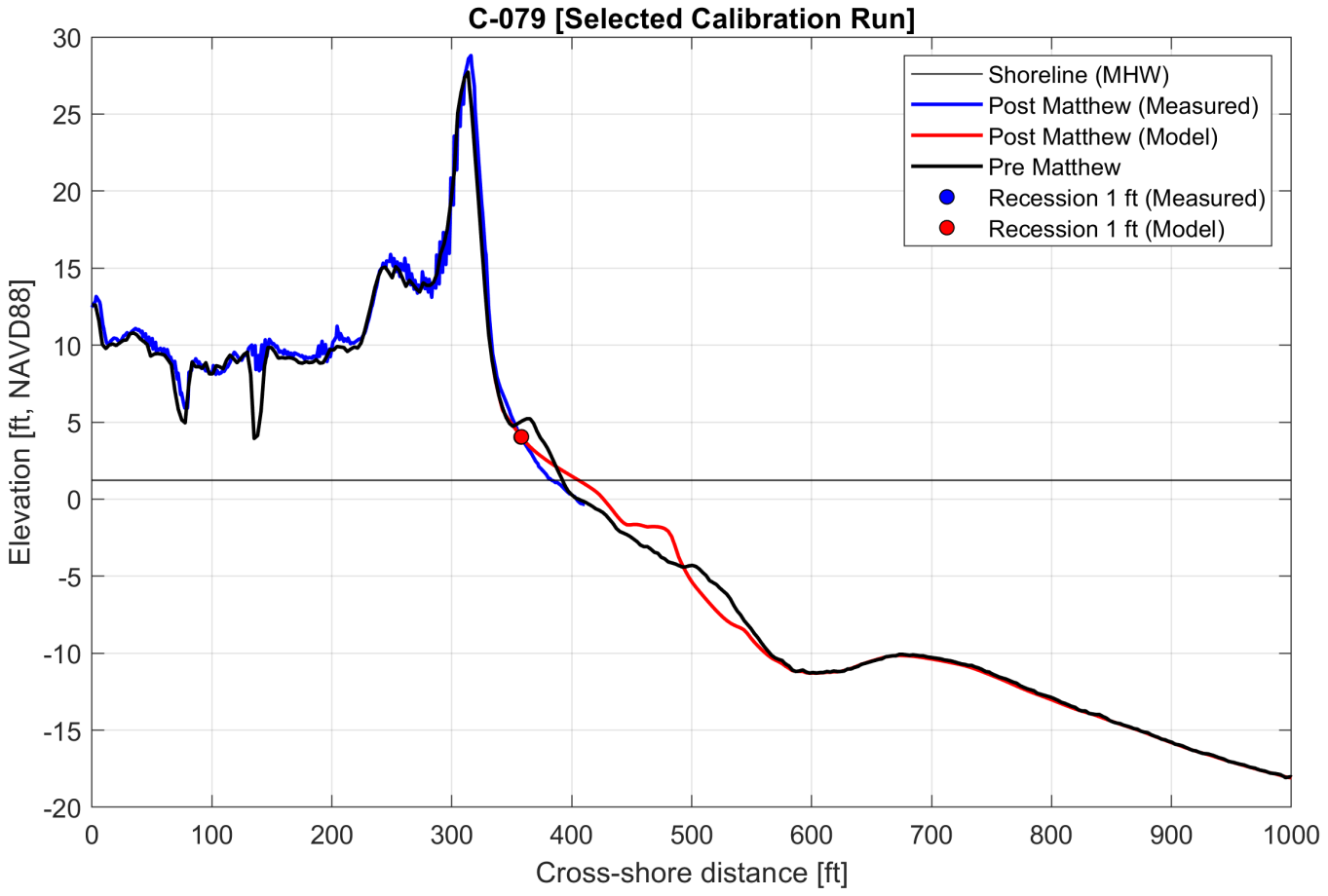

C-074 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

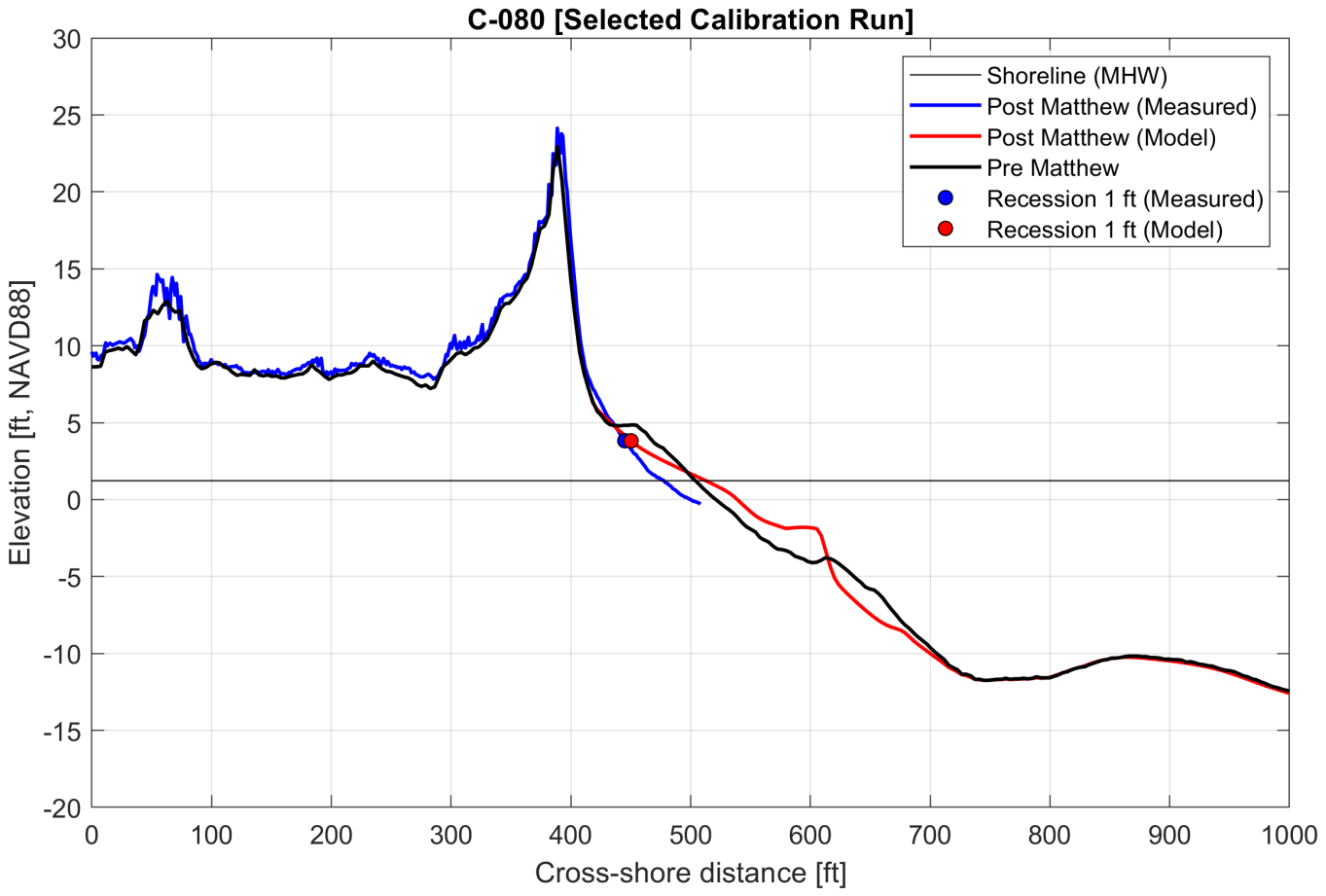

C-075 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

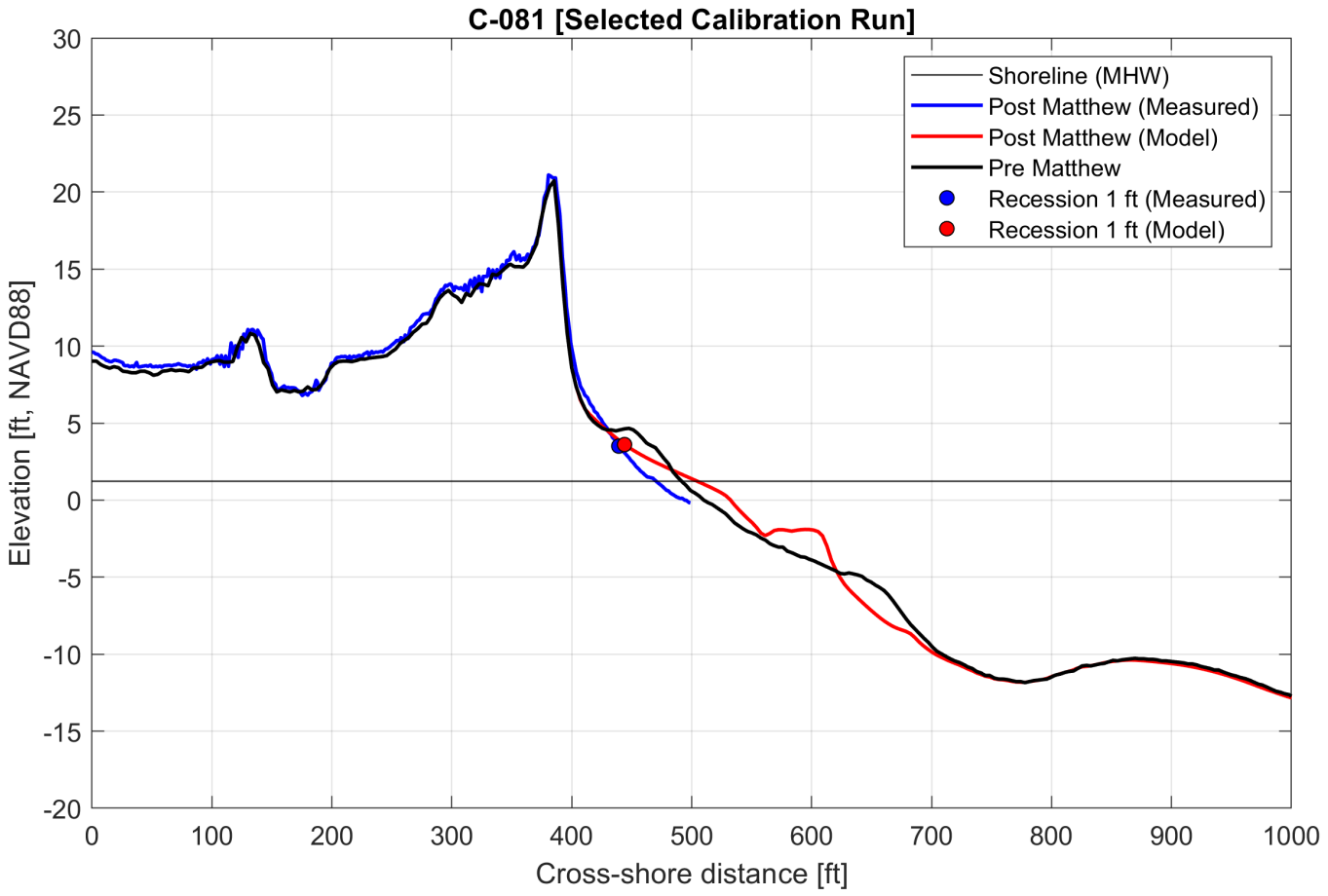

C-076 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

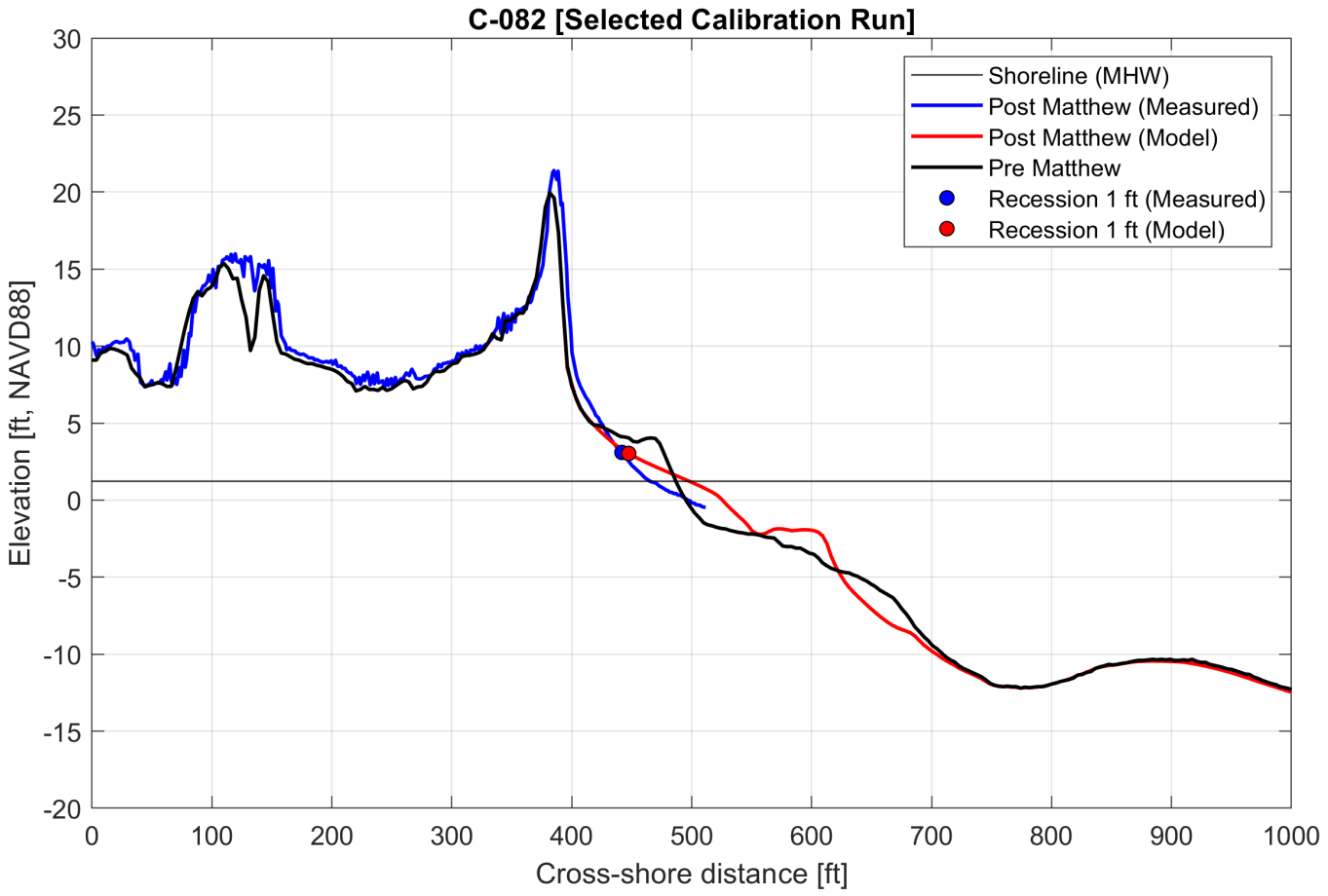

C-077 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

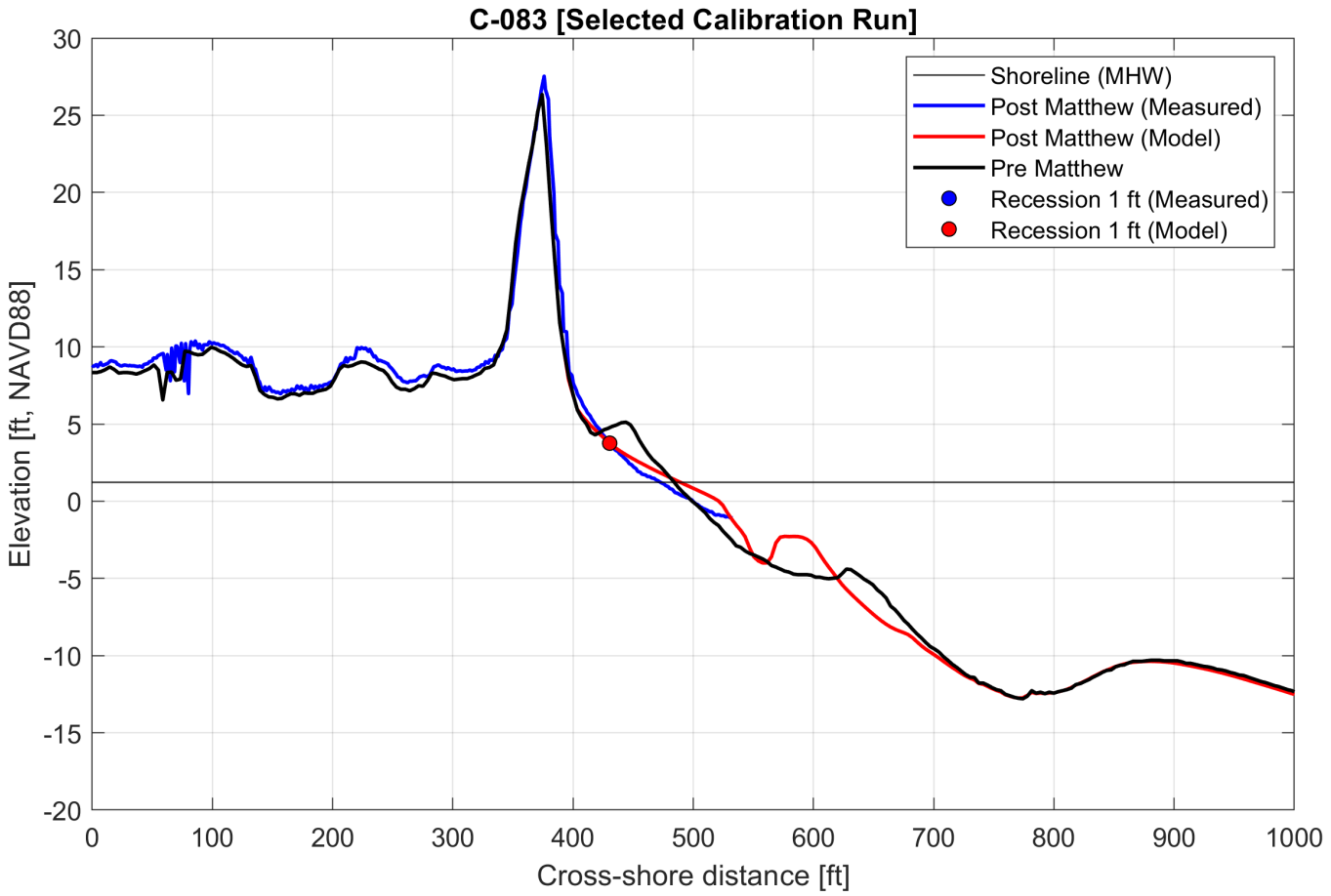

C-078 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

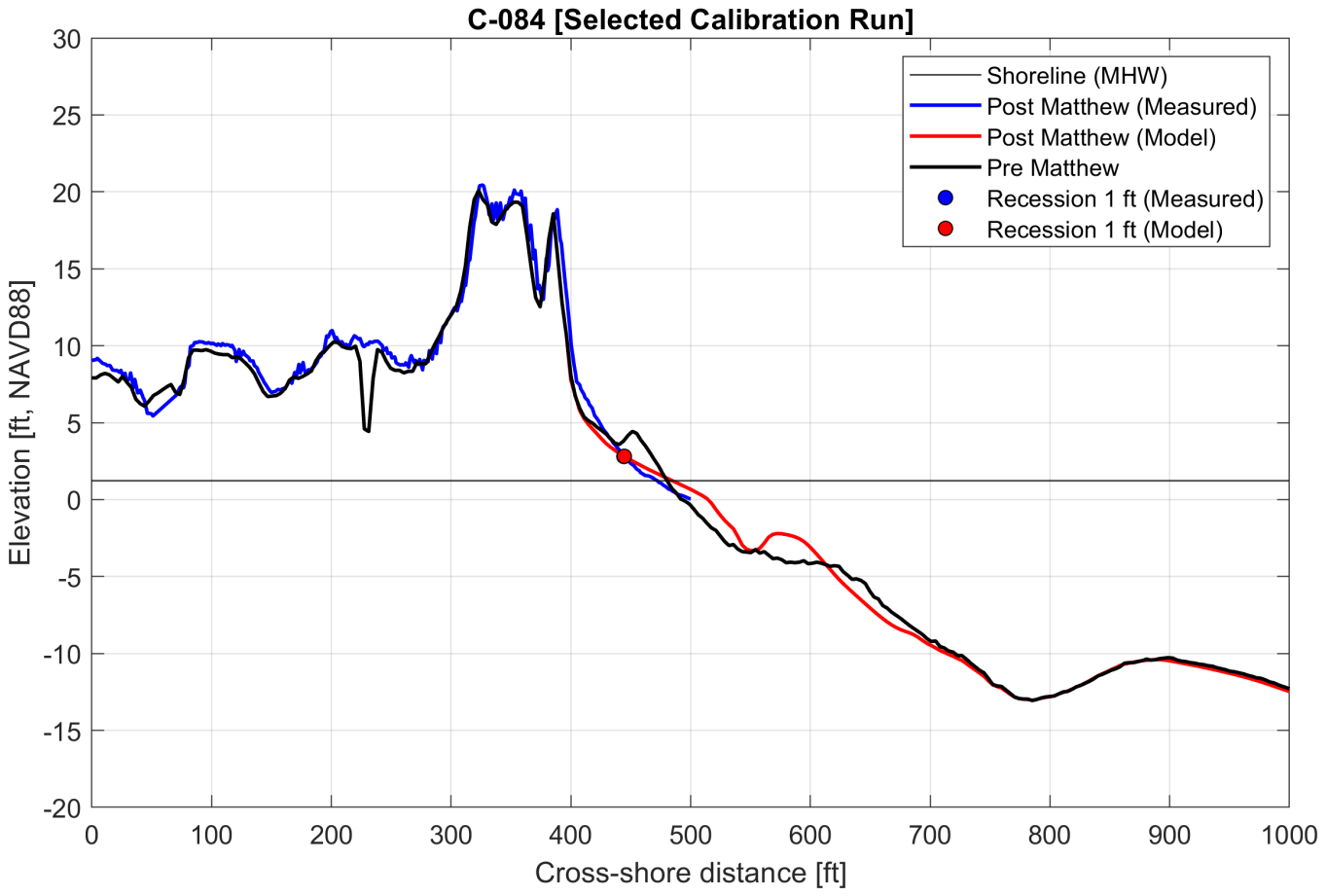

C-079 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

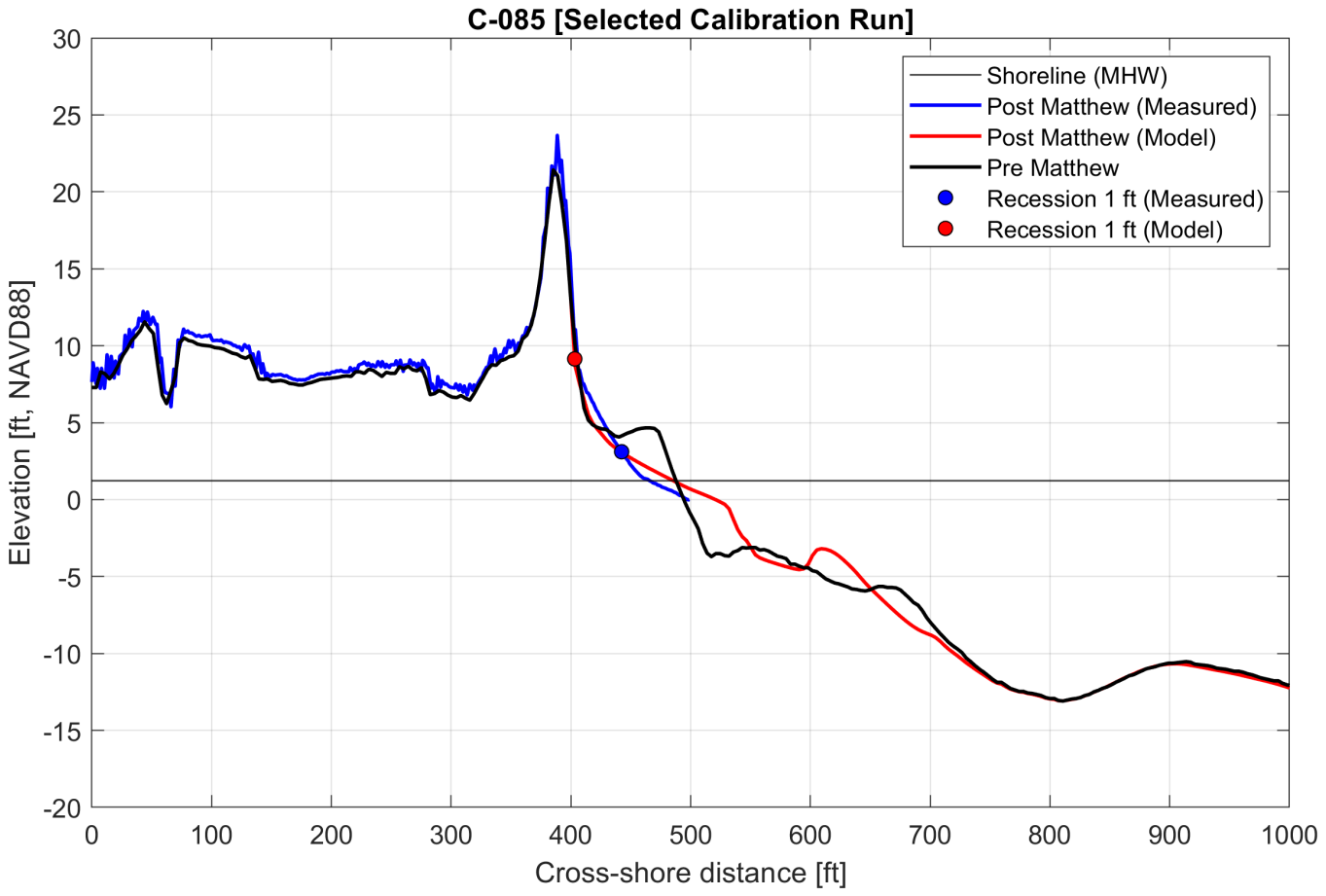

C-080 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

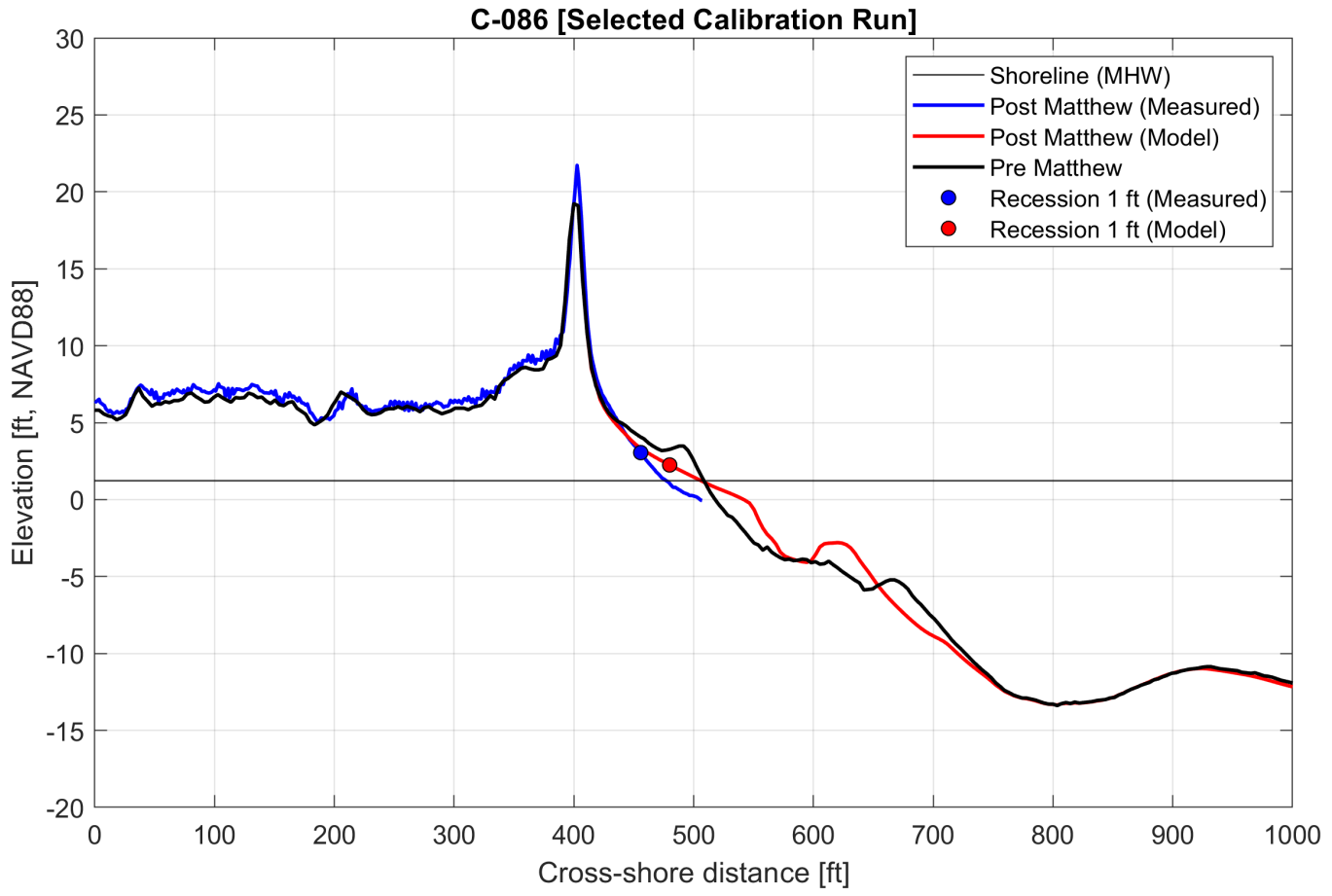

C-081 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

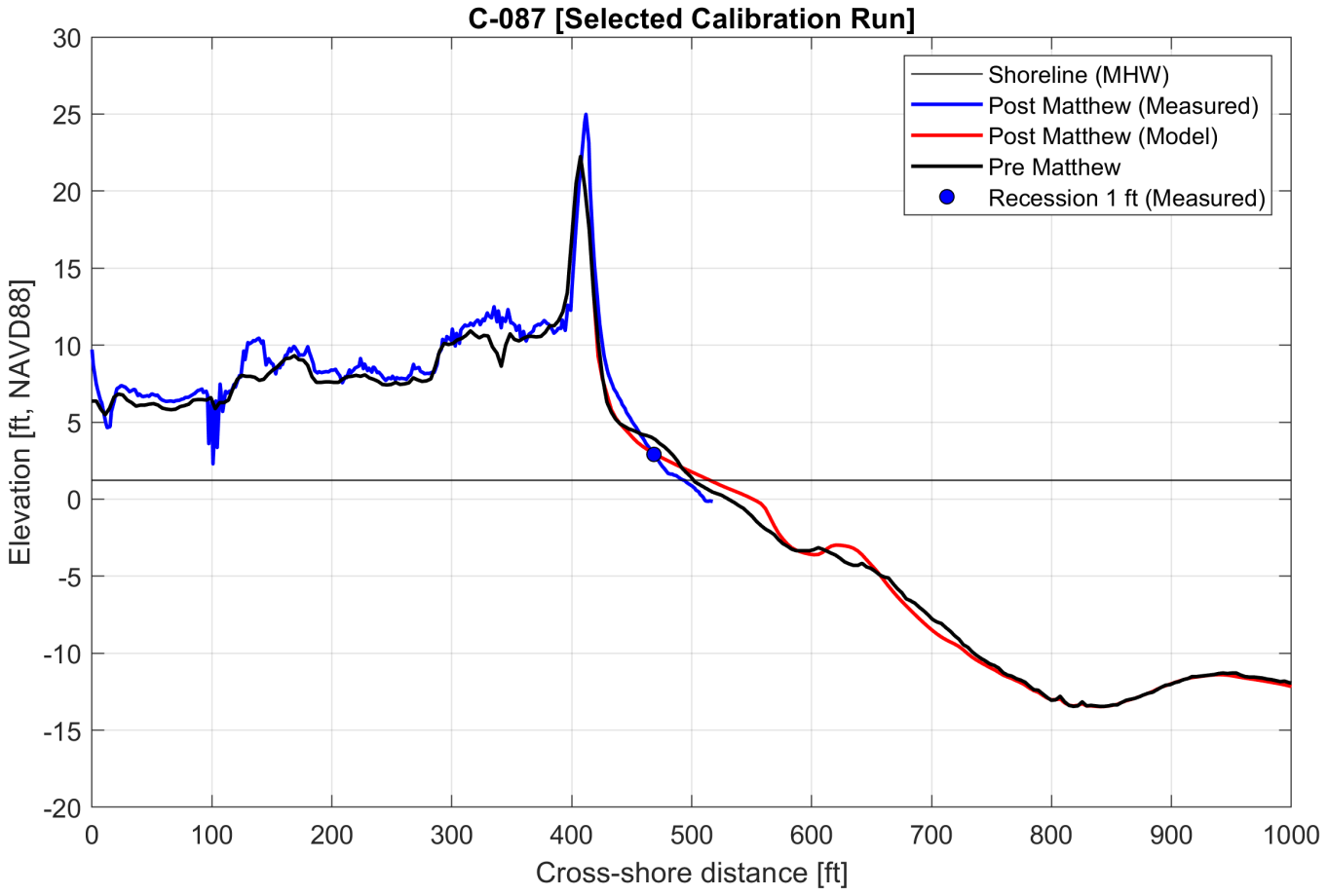

C-082 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

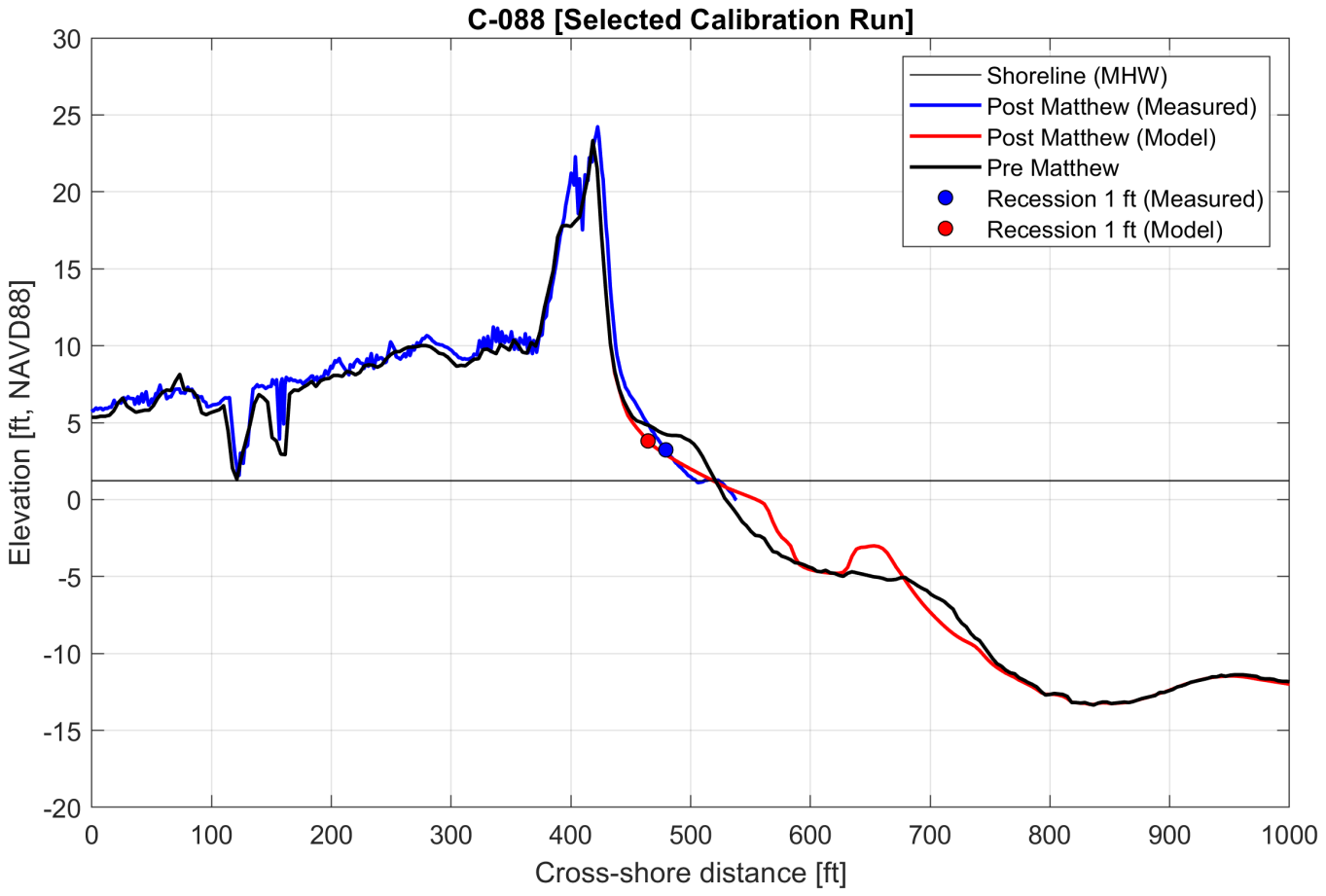

C-083 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

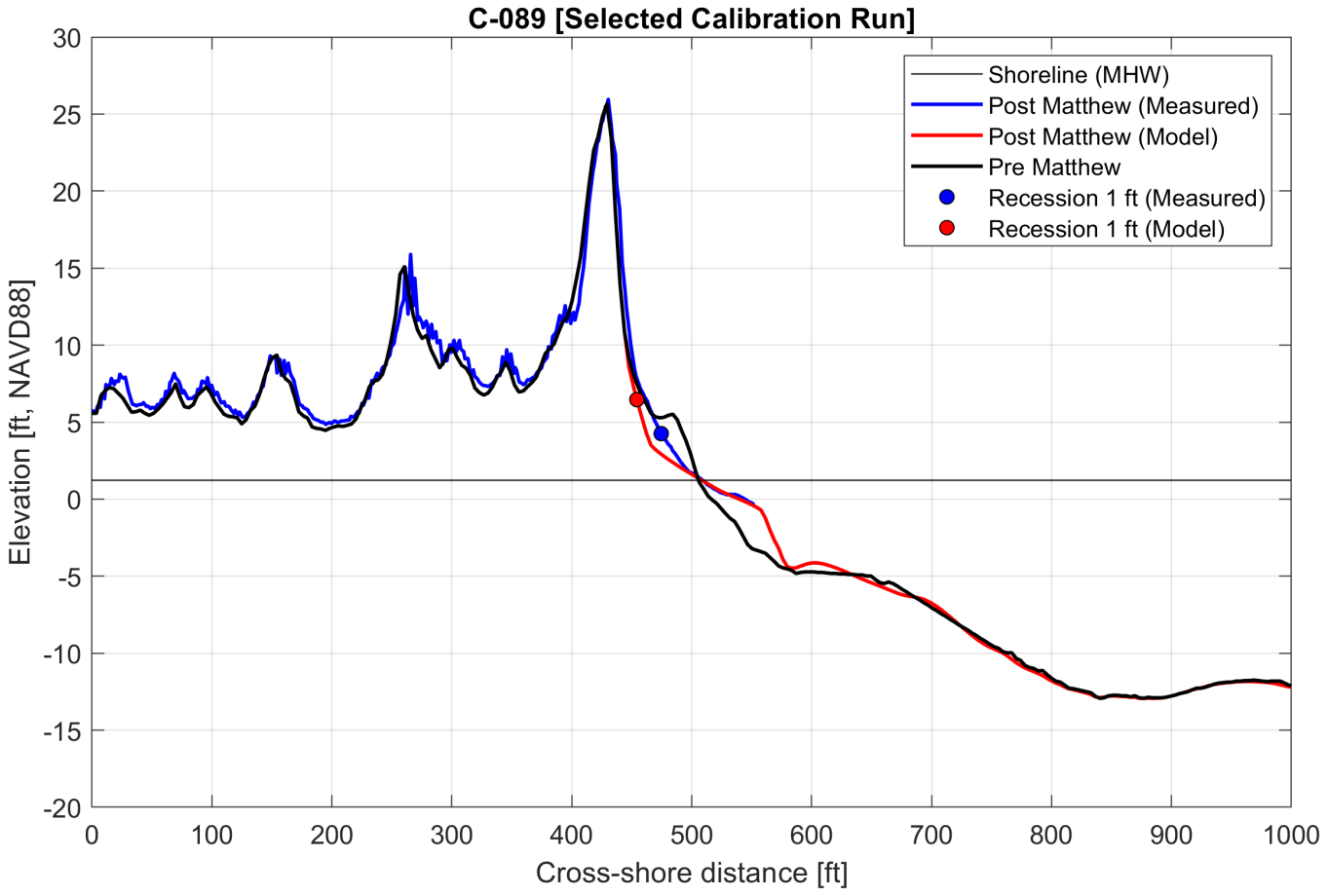

C-084 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

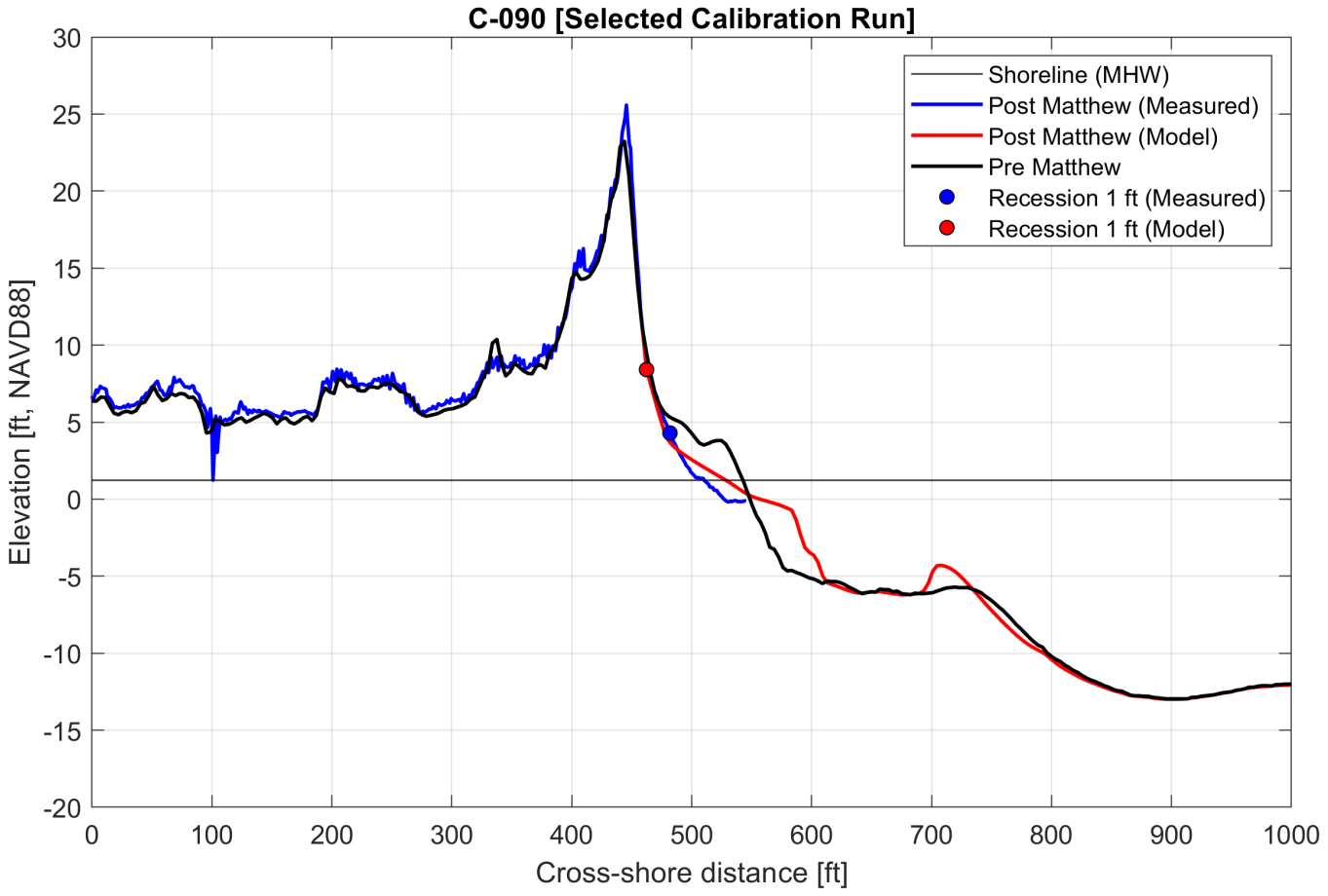

C-085 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

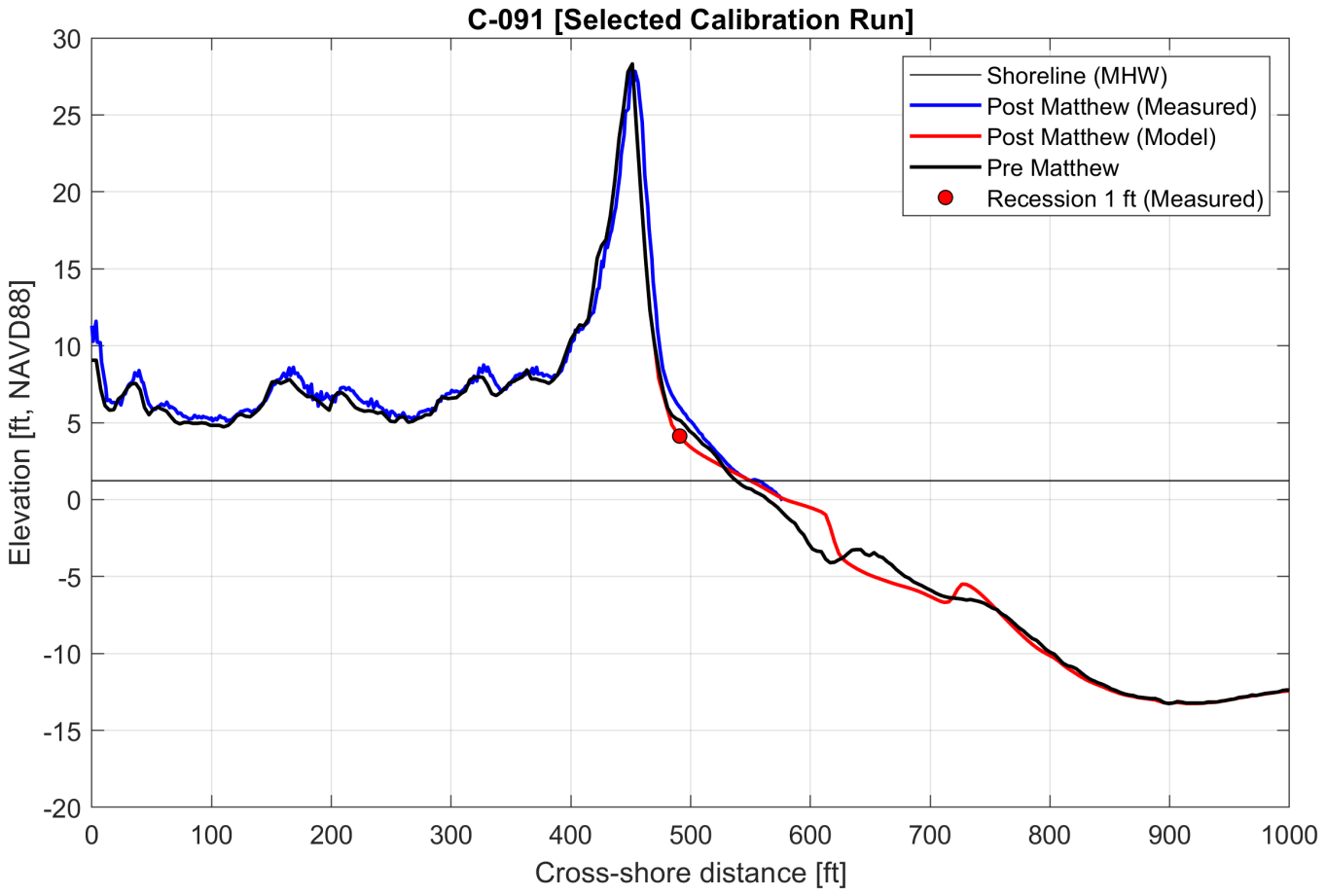

C-086 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

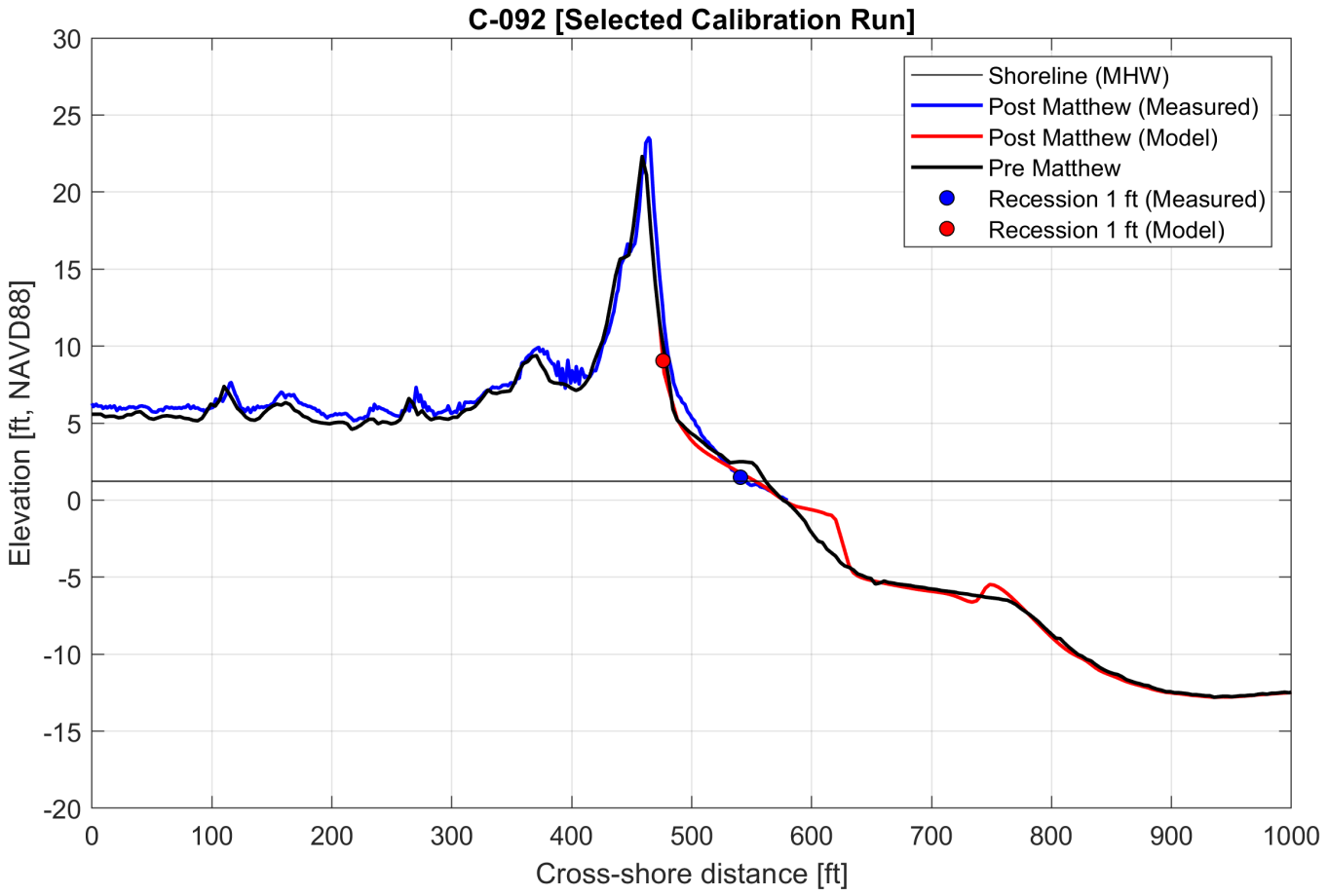

C-087 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

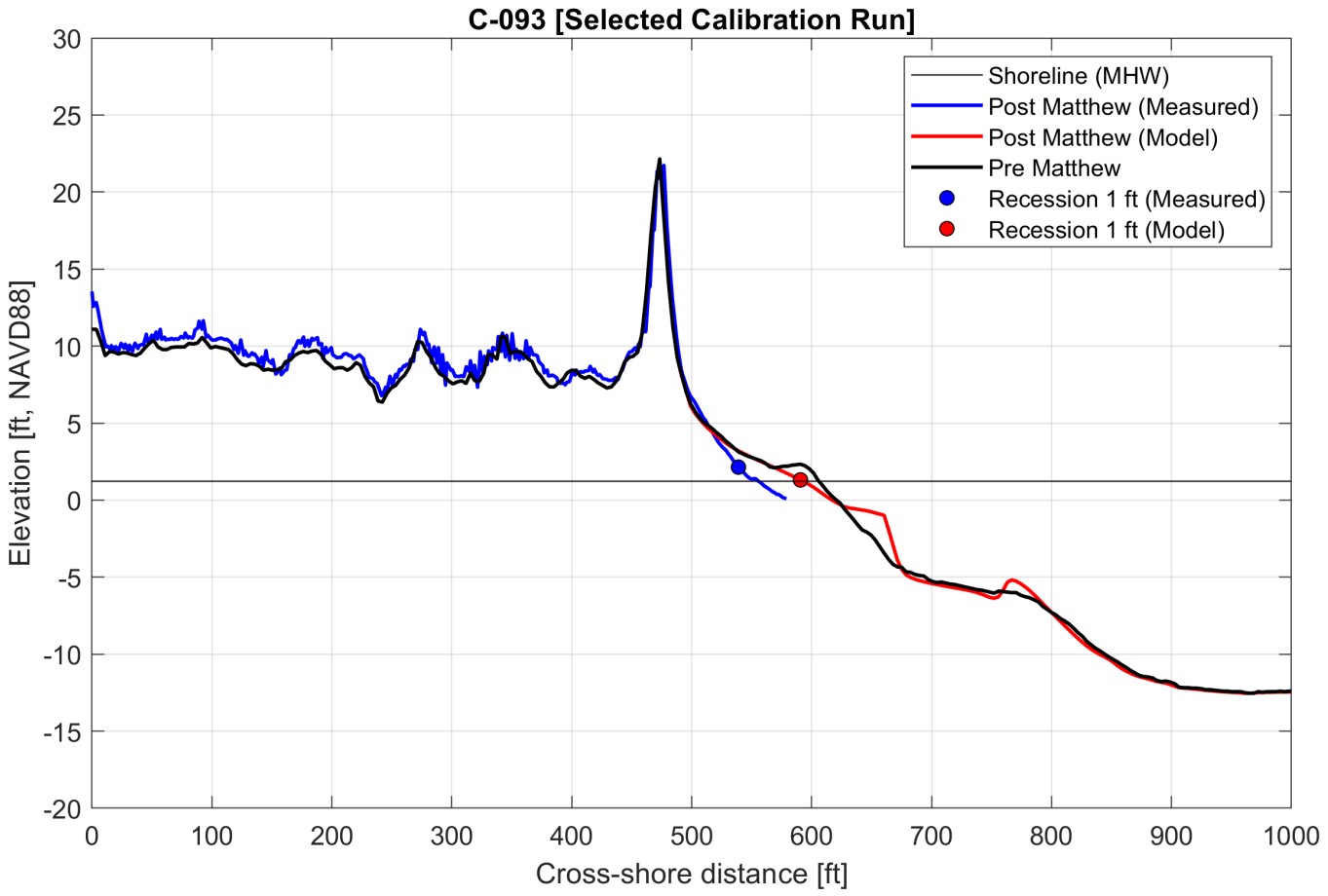

C-088 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

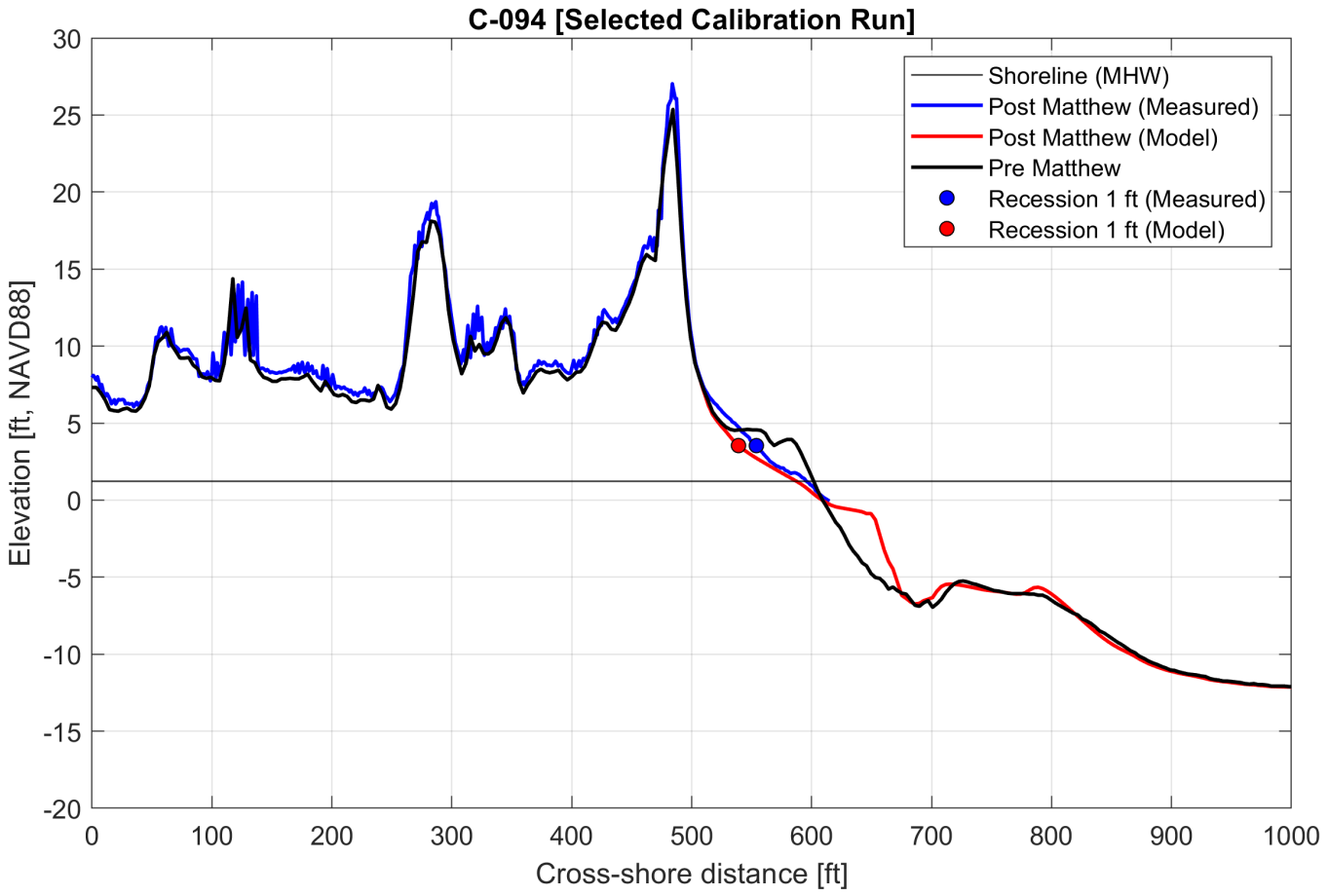

C-089 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

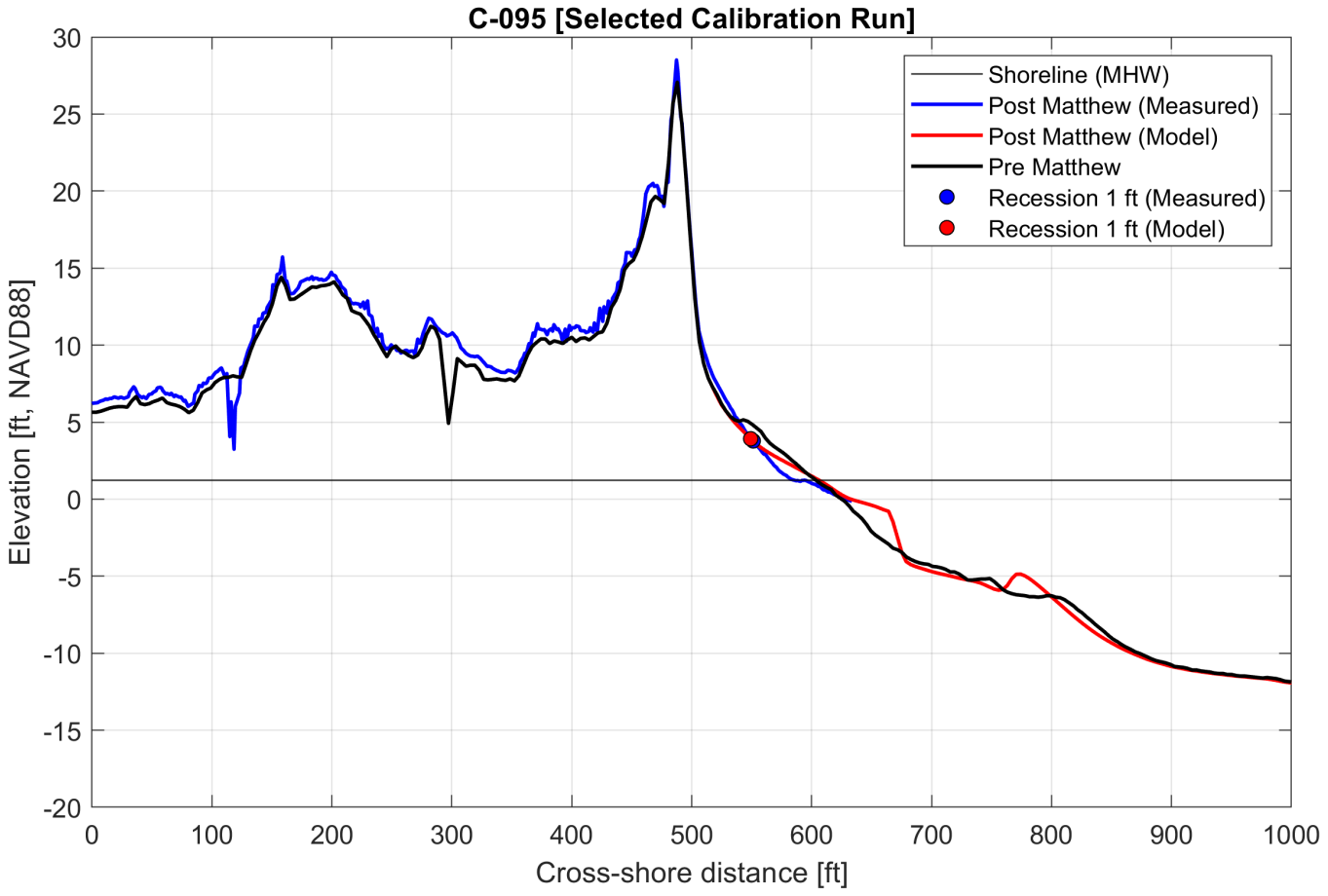

C-090 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

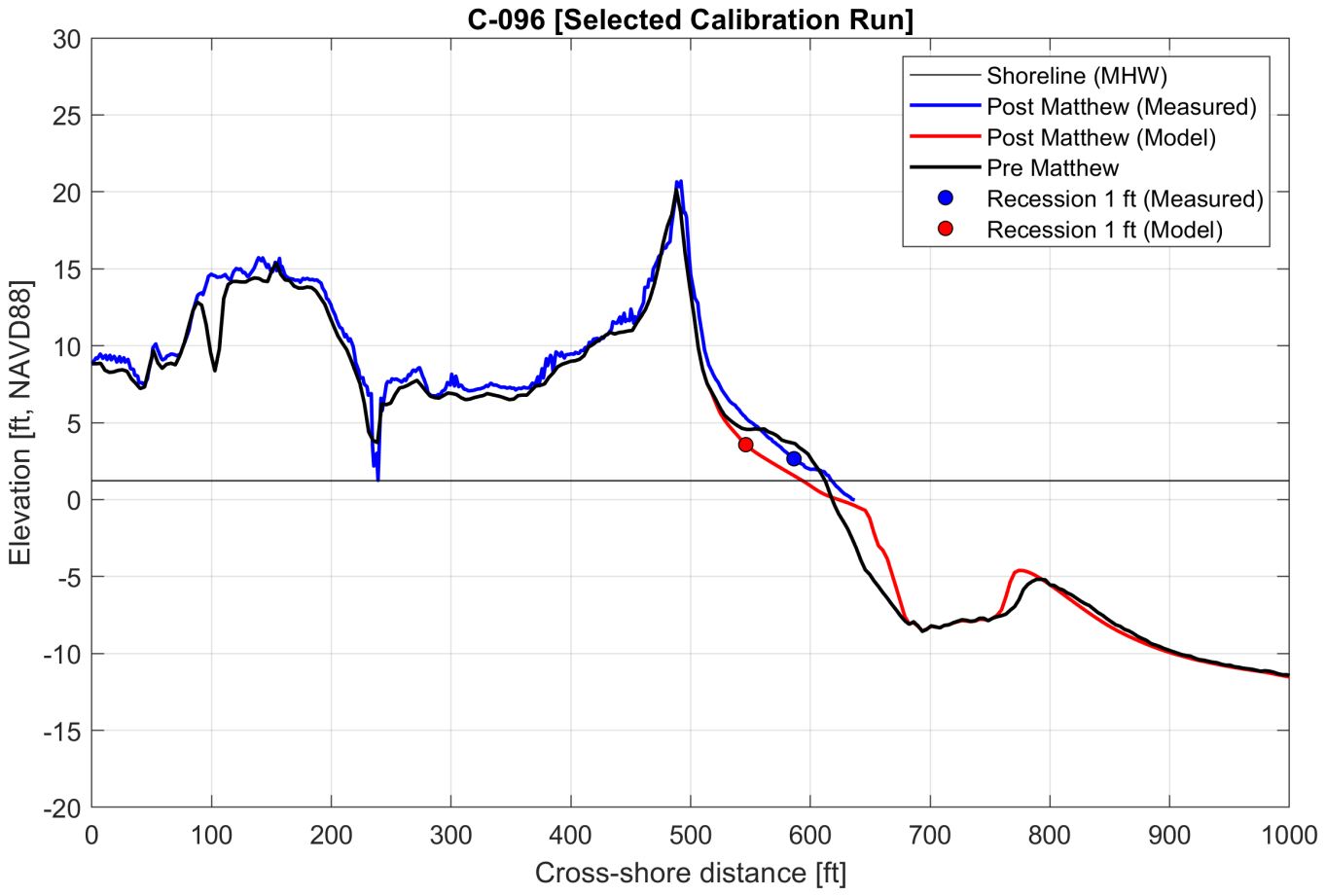

C-091 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

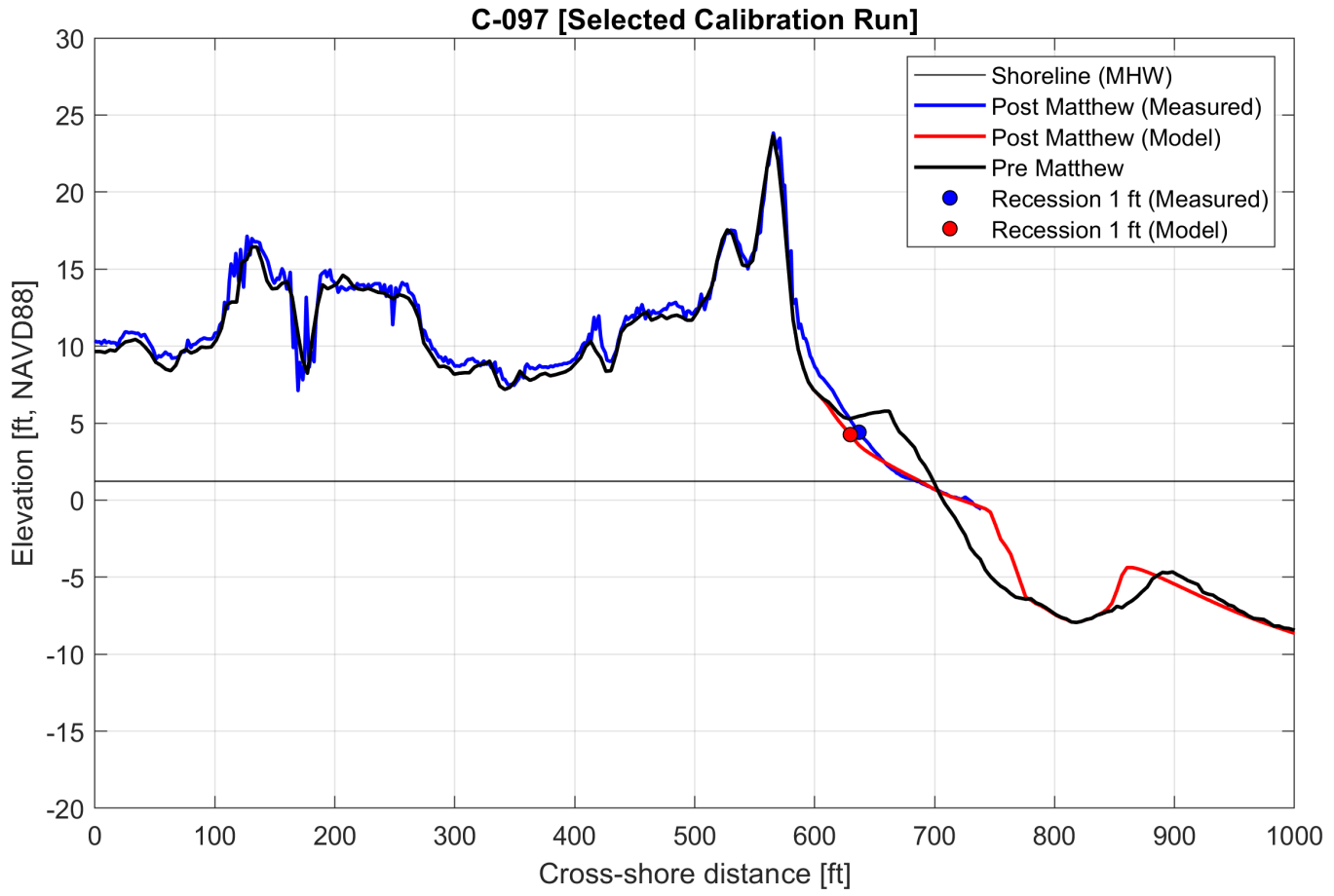

C-092 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

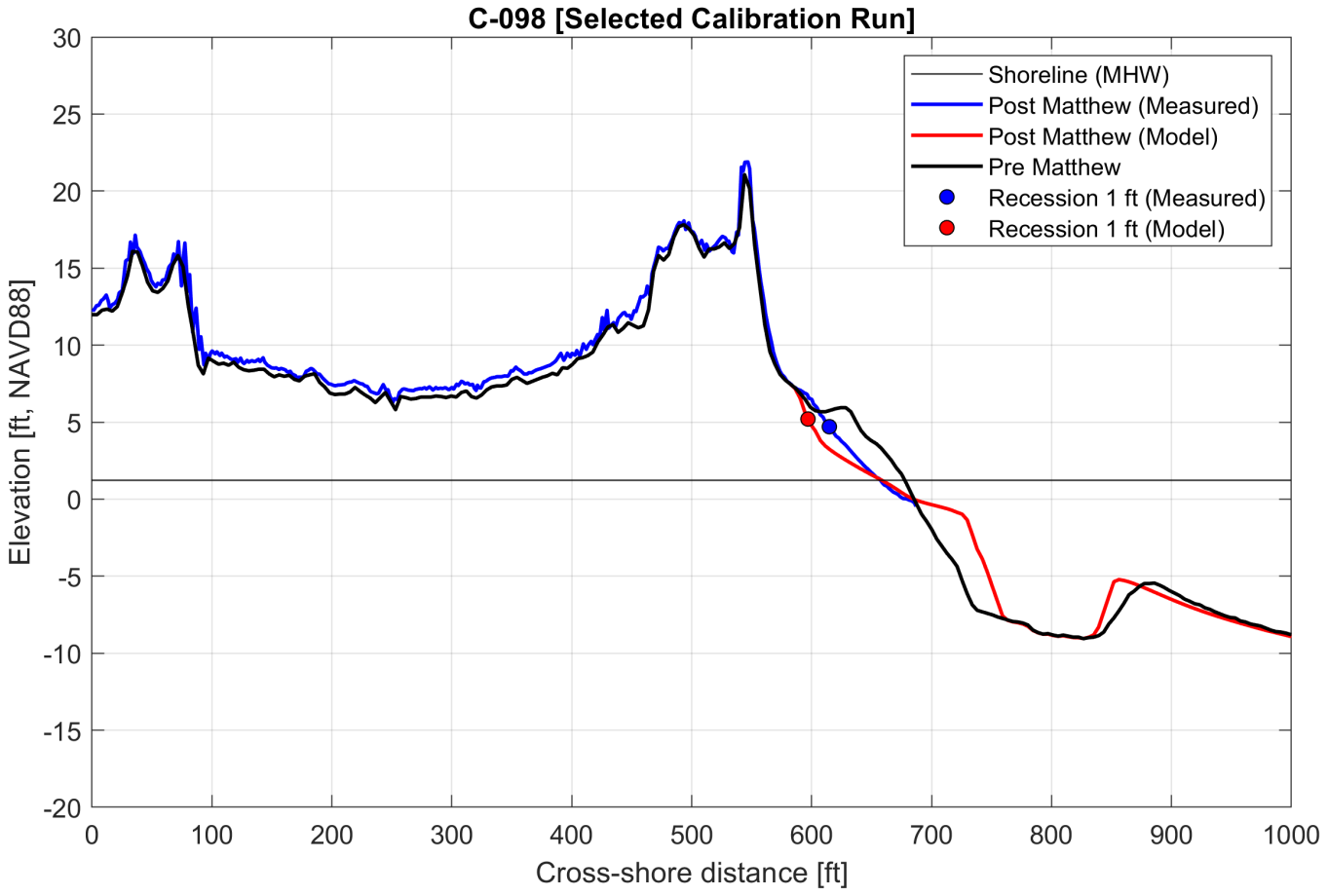

C-093 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

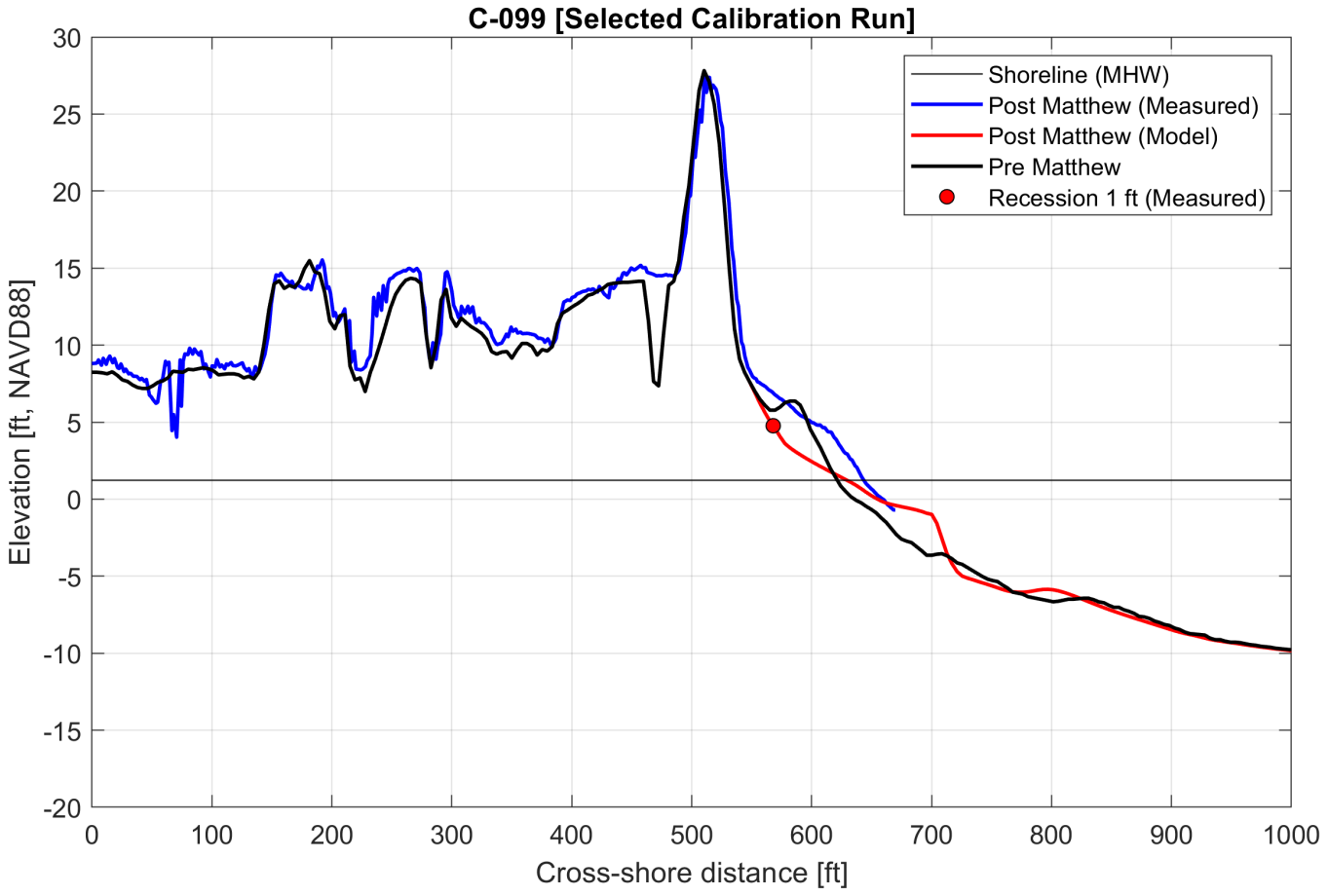

C-094 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

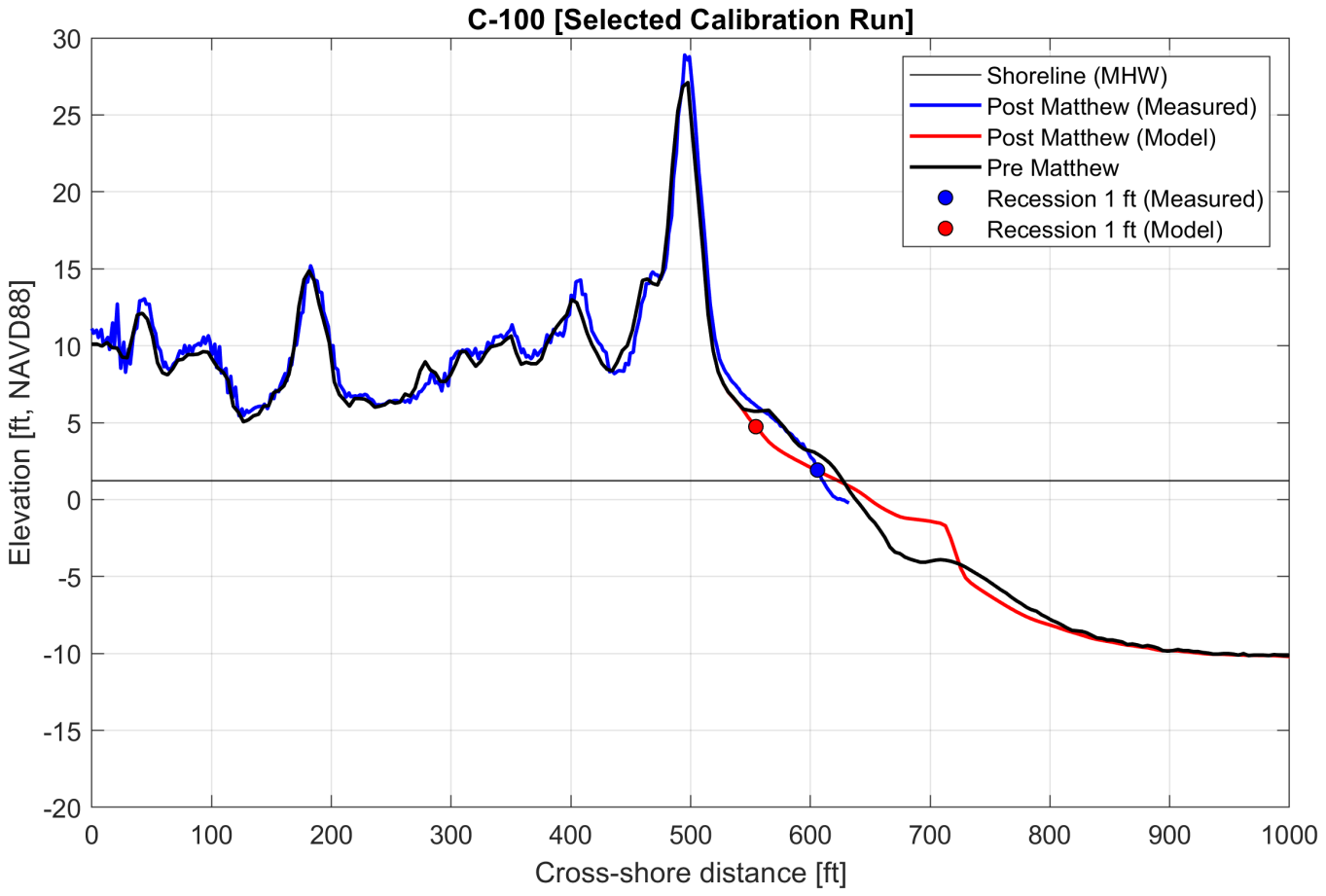

C-095 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

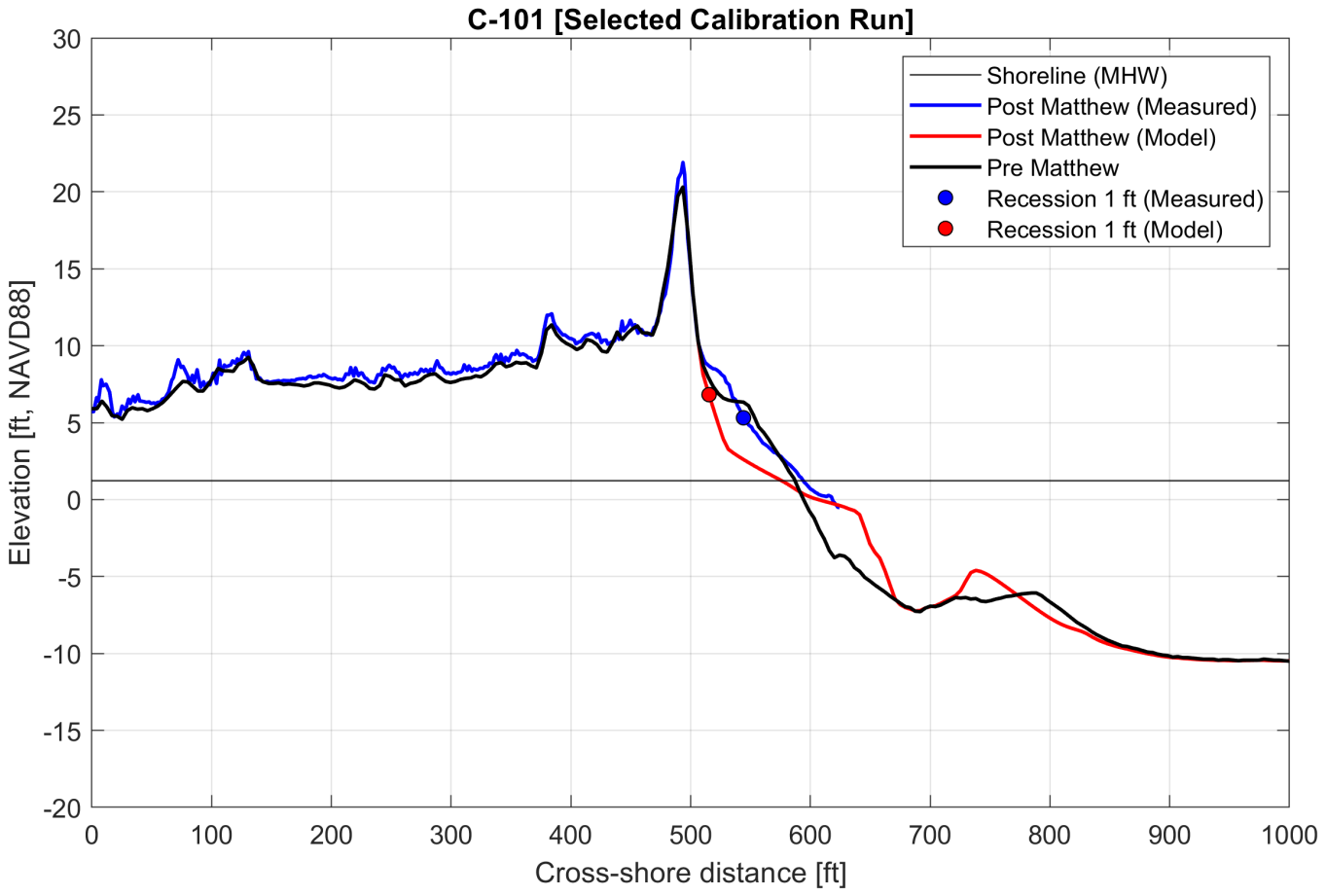

C-096 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

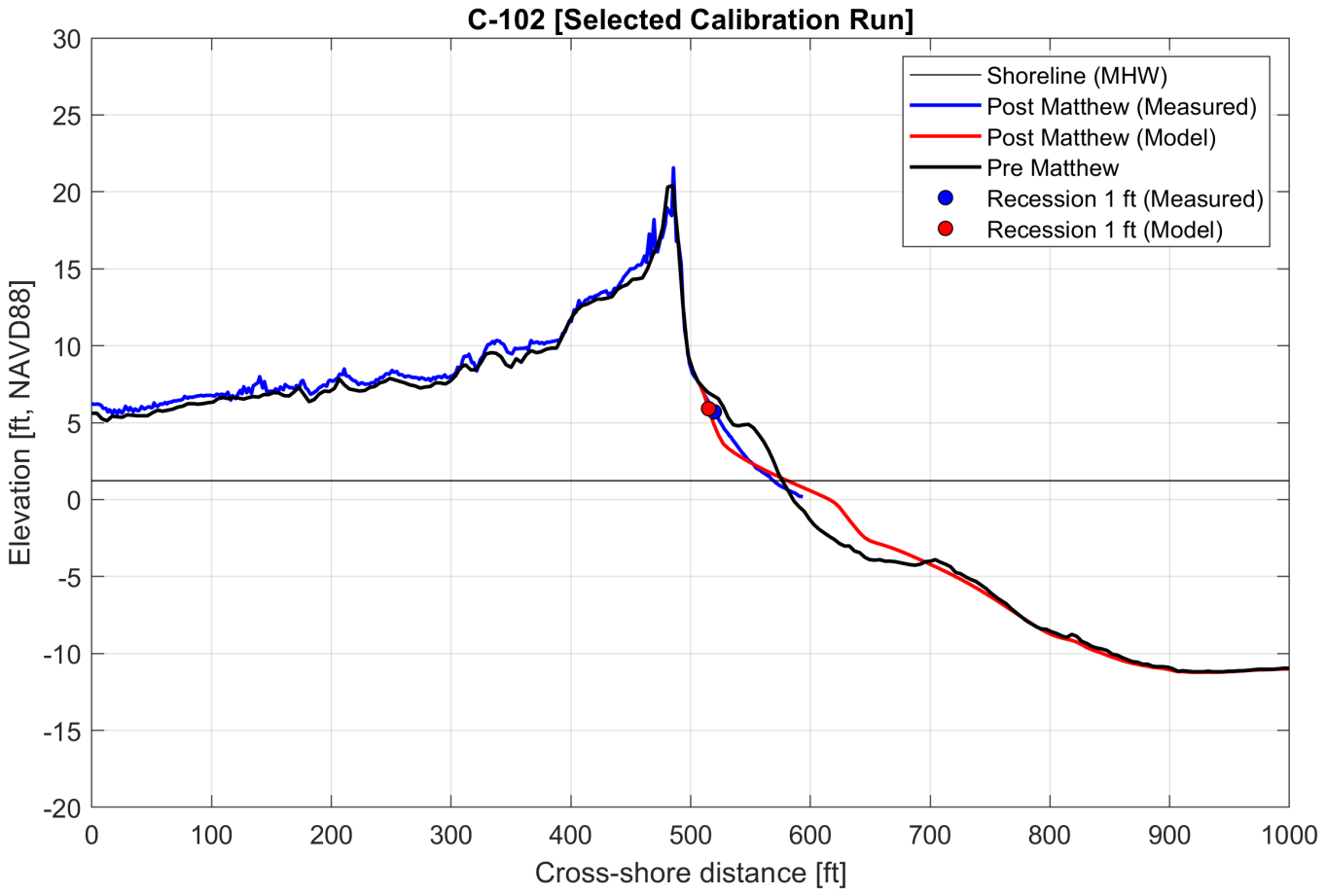

C-097 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

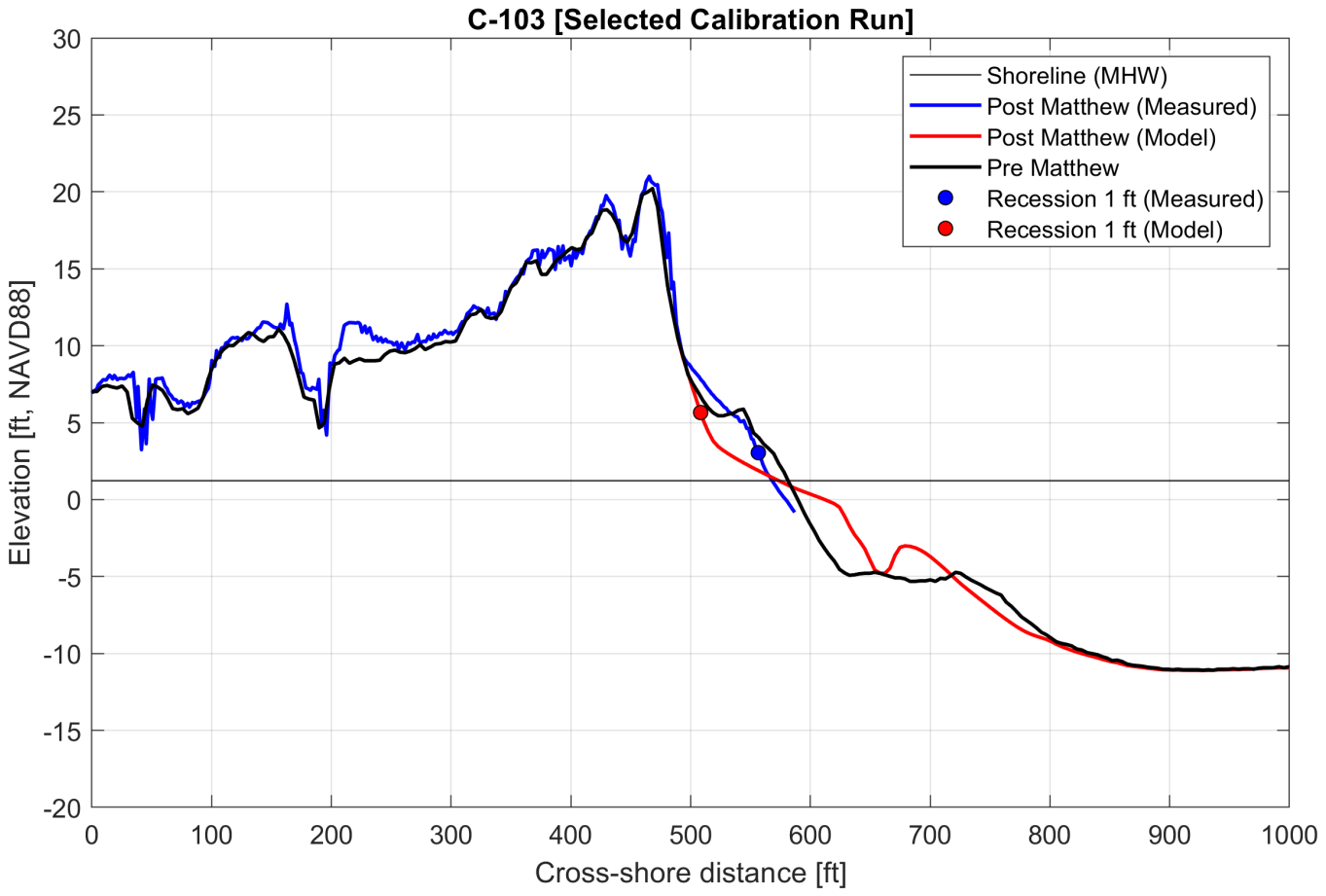

C-098 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

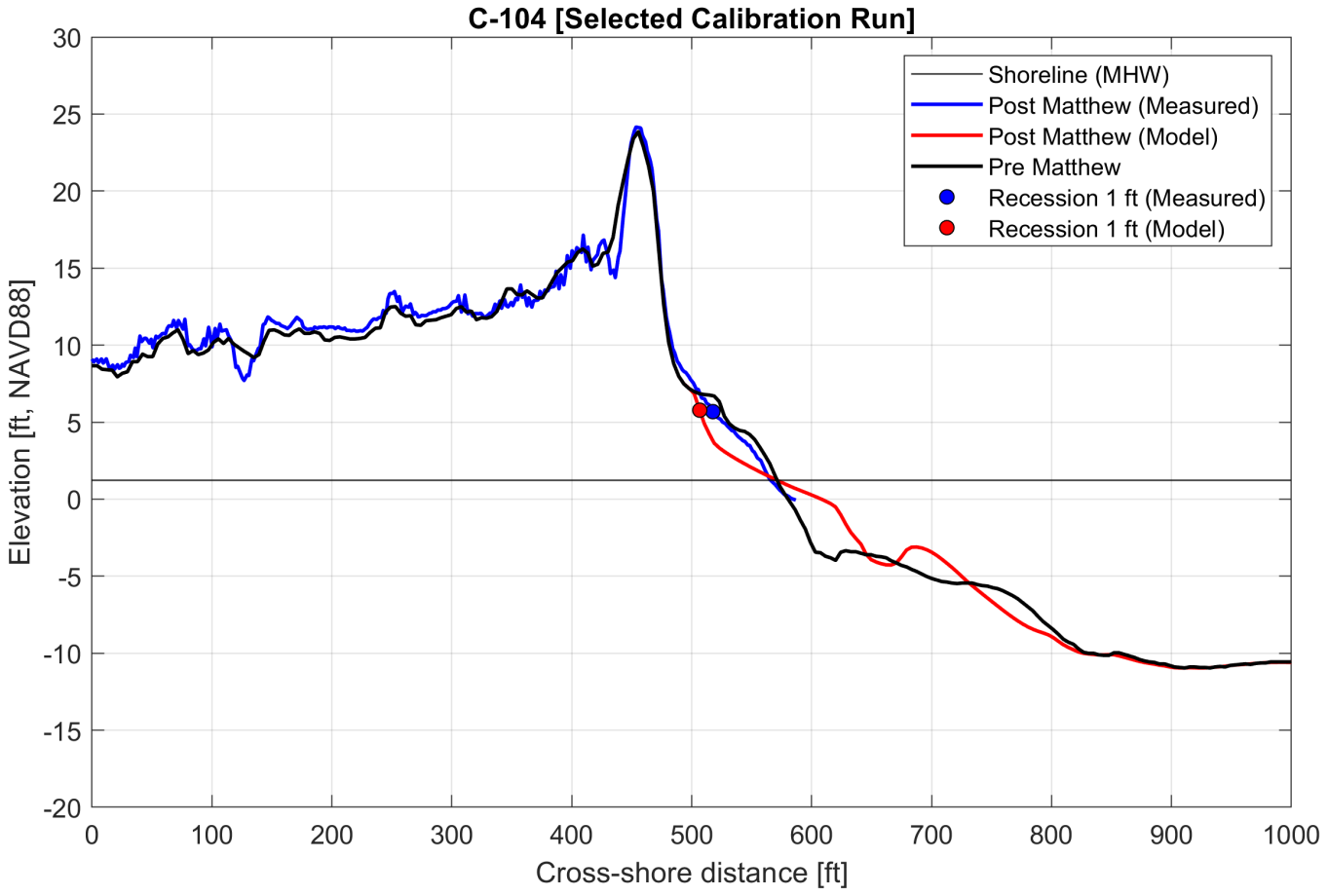

C-099 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

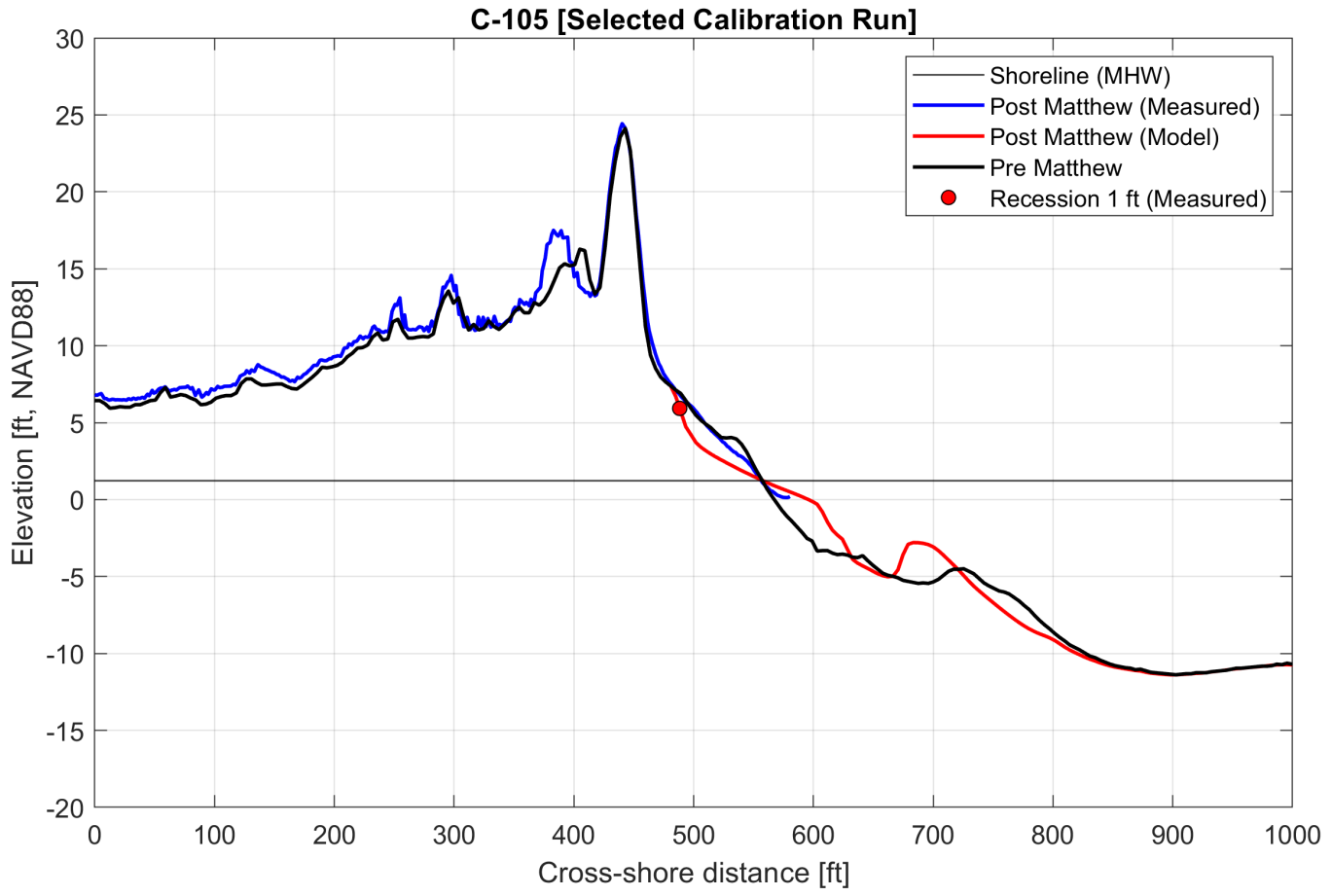

C-100 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

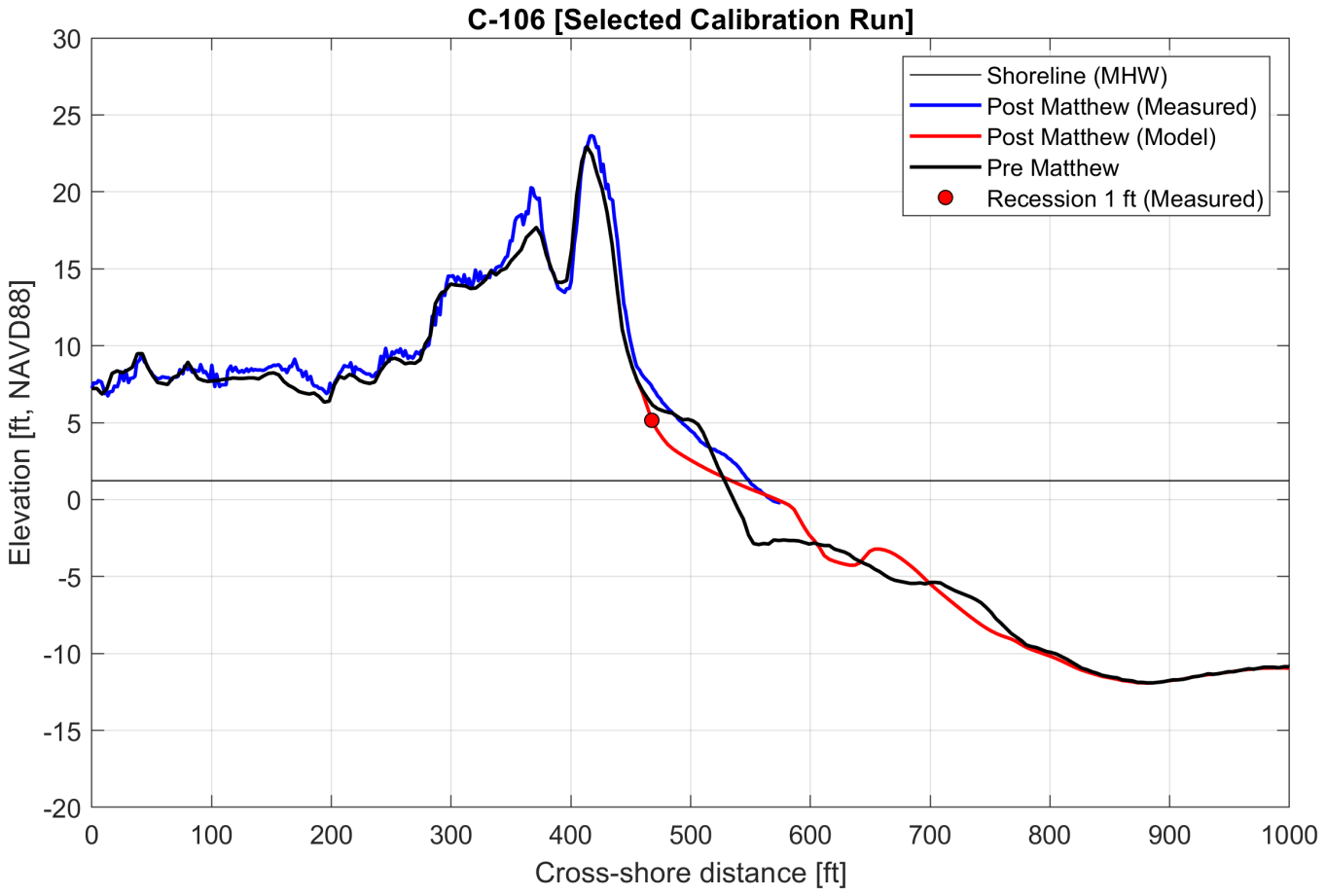

C-101 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

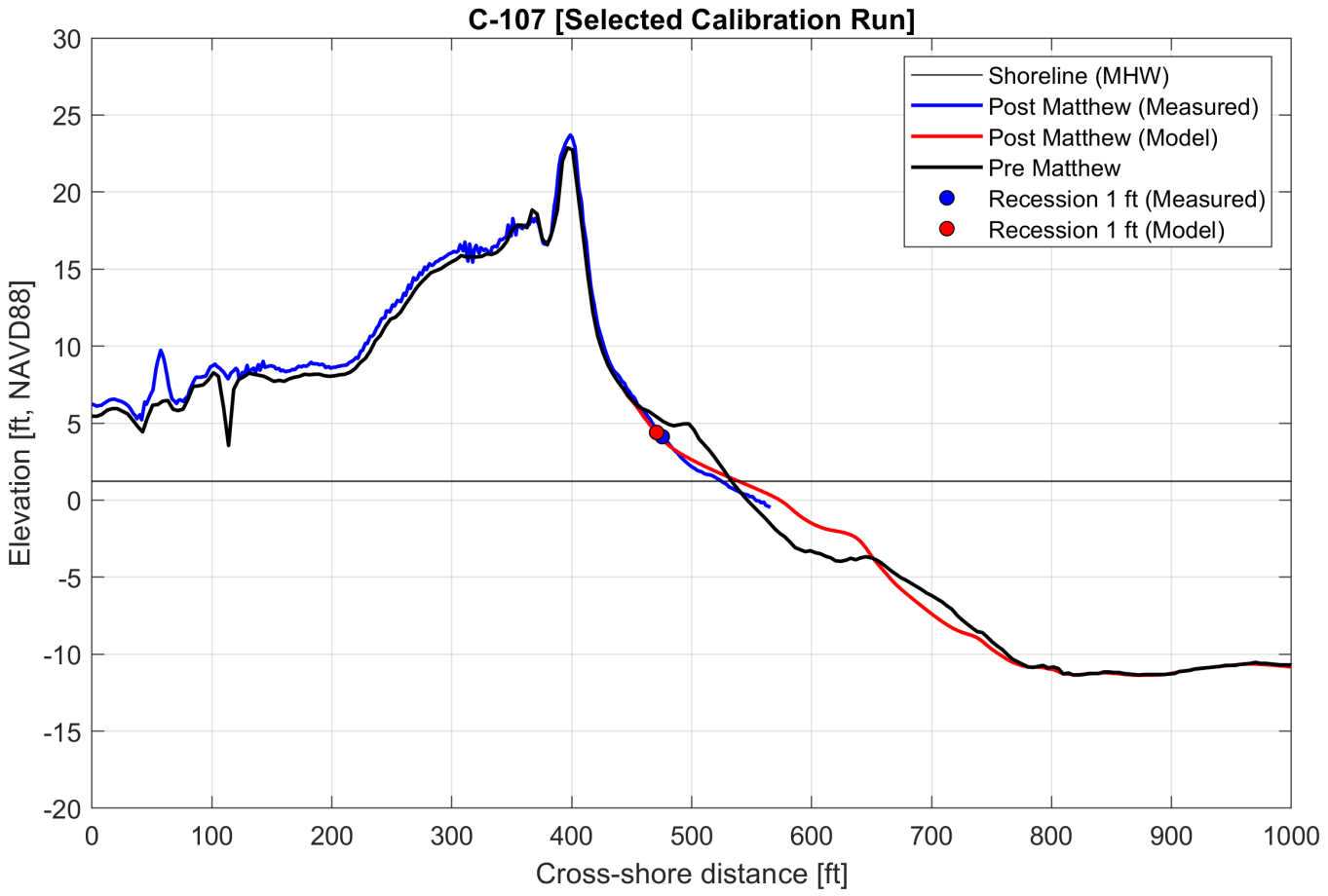

C-102 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

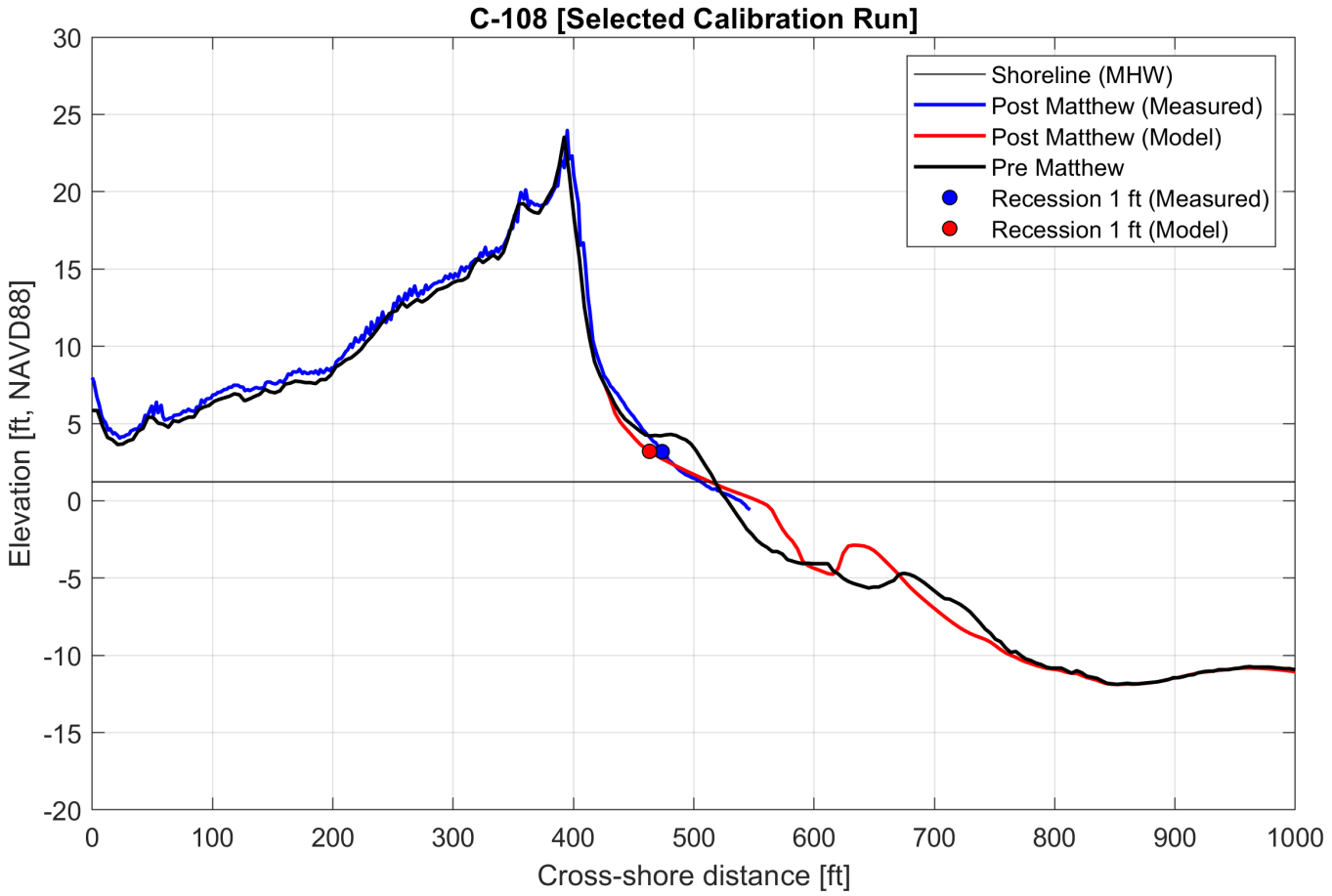

C-103 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

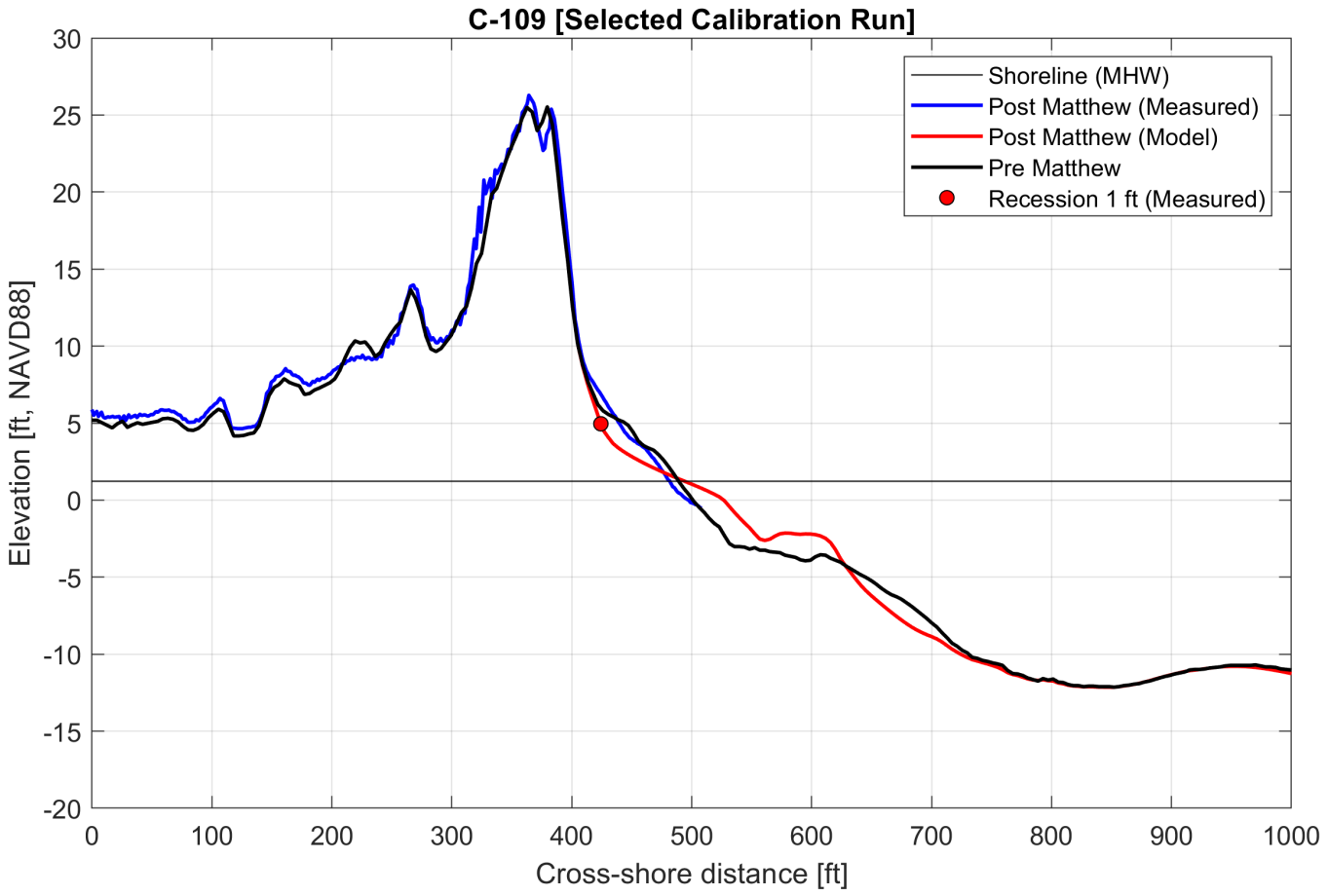

C-104 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

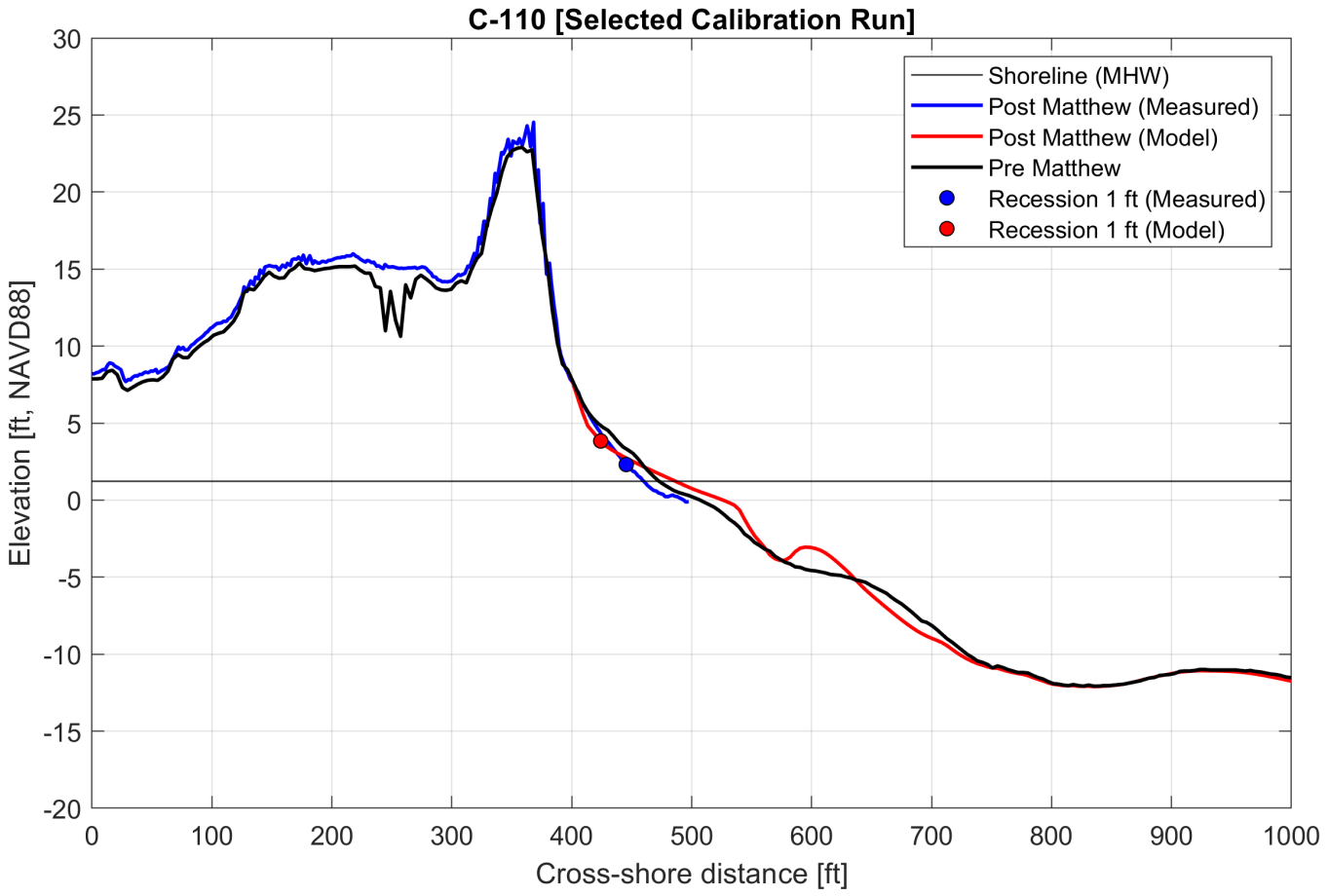

C-105 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

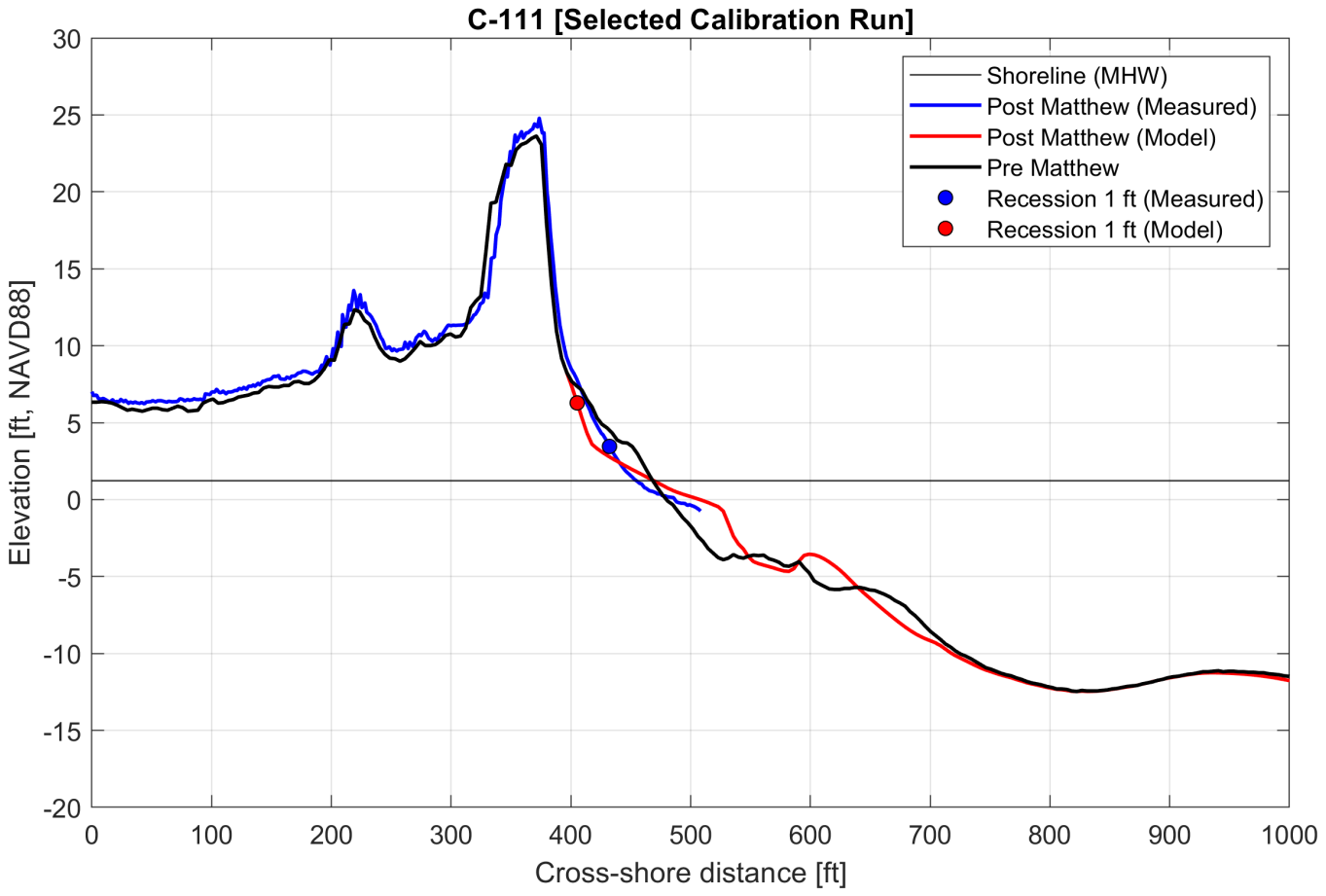

C-106 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

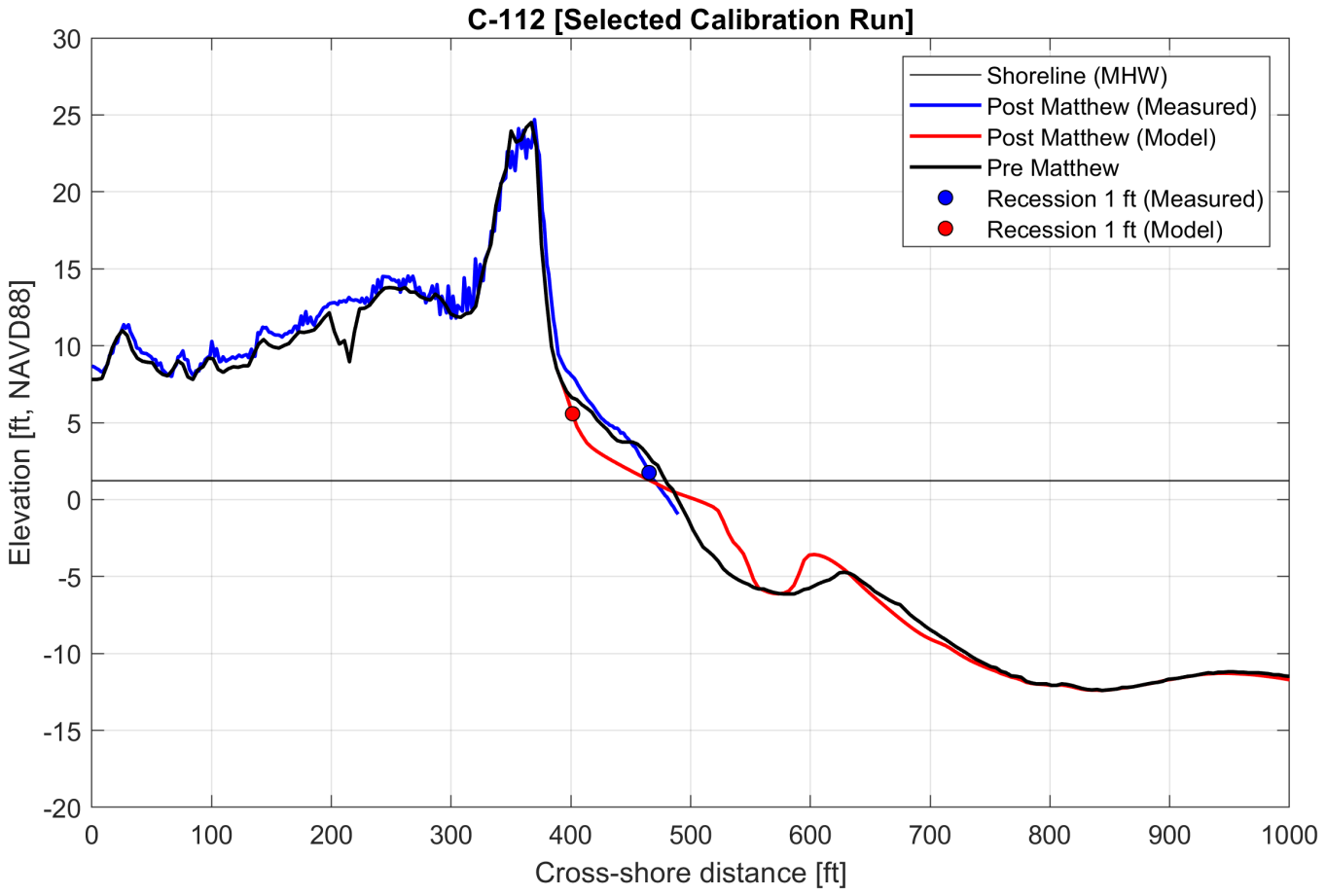

C-107 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

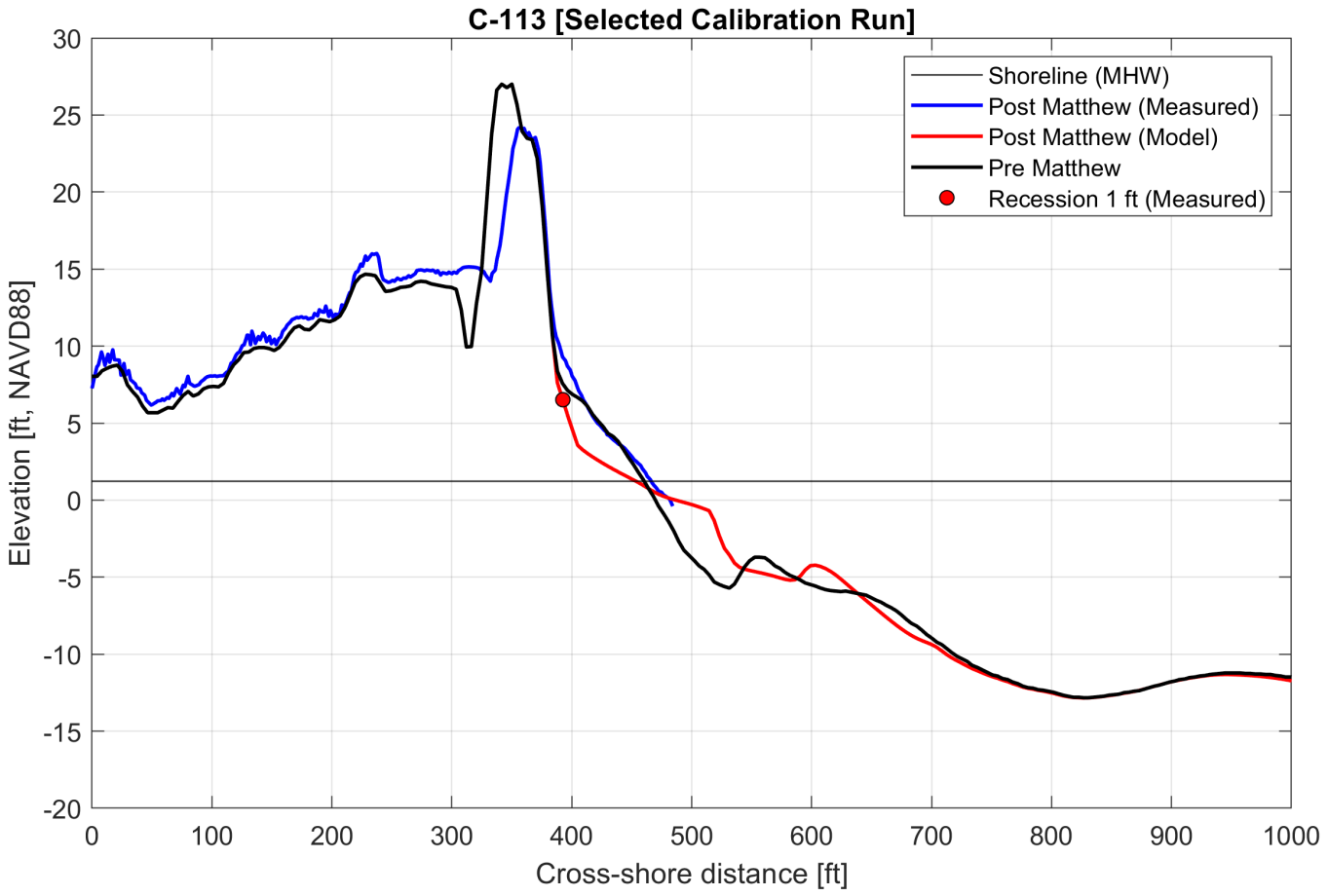

C-108 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

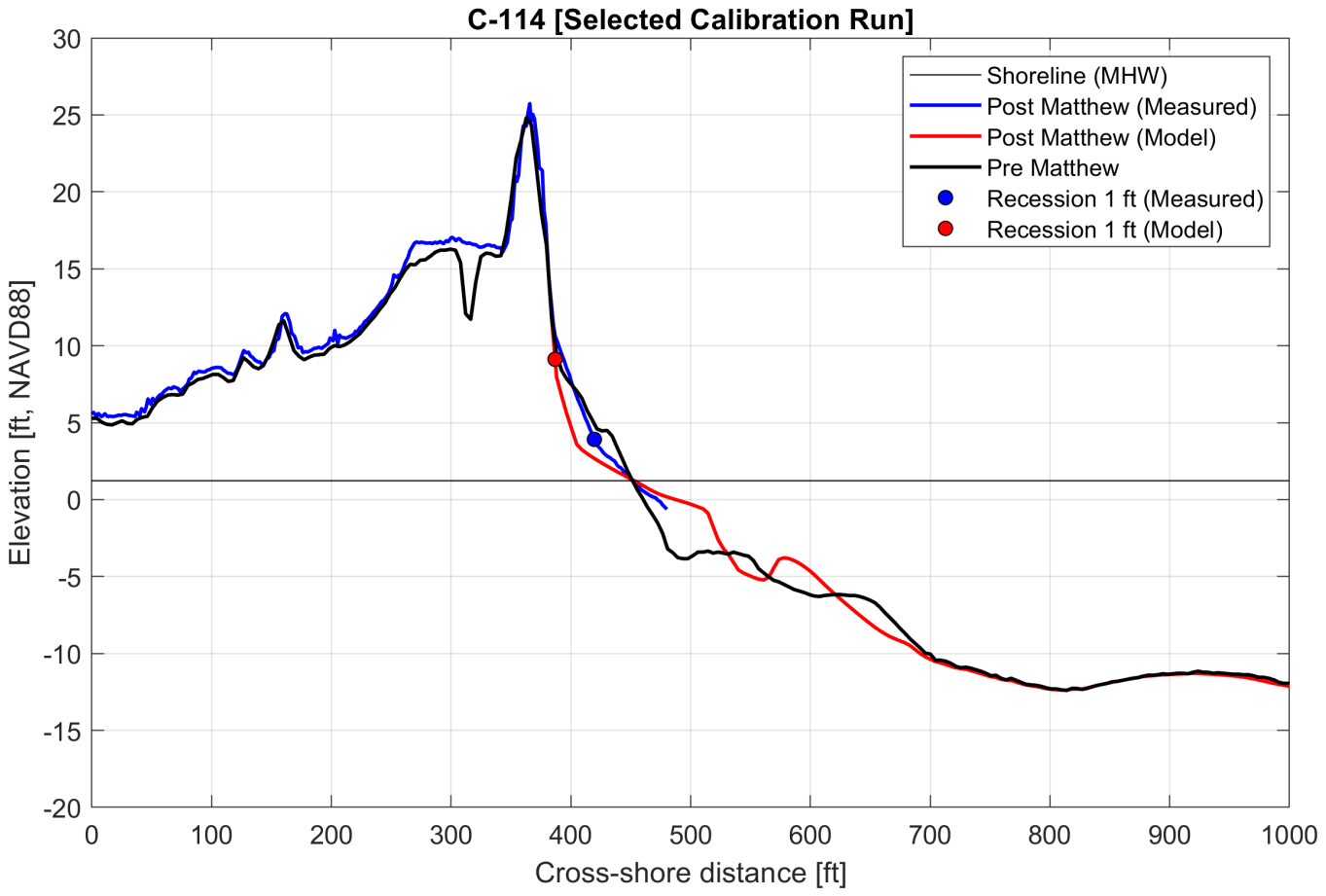

C-109 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

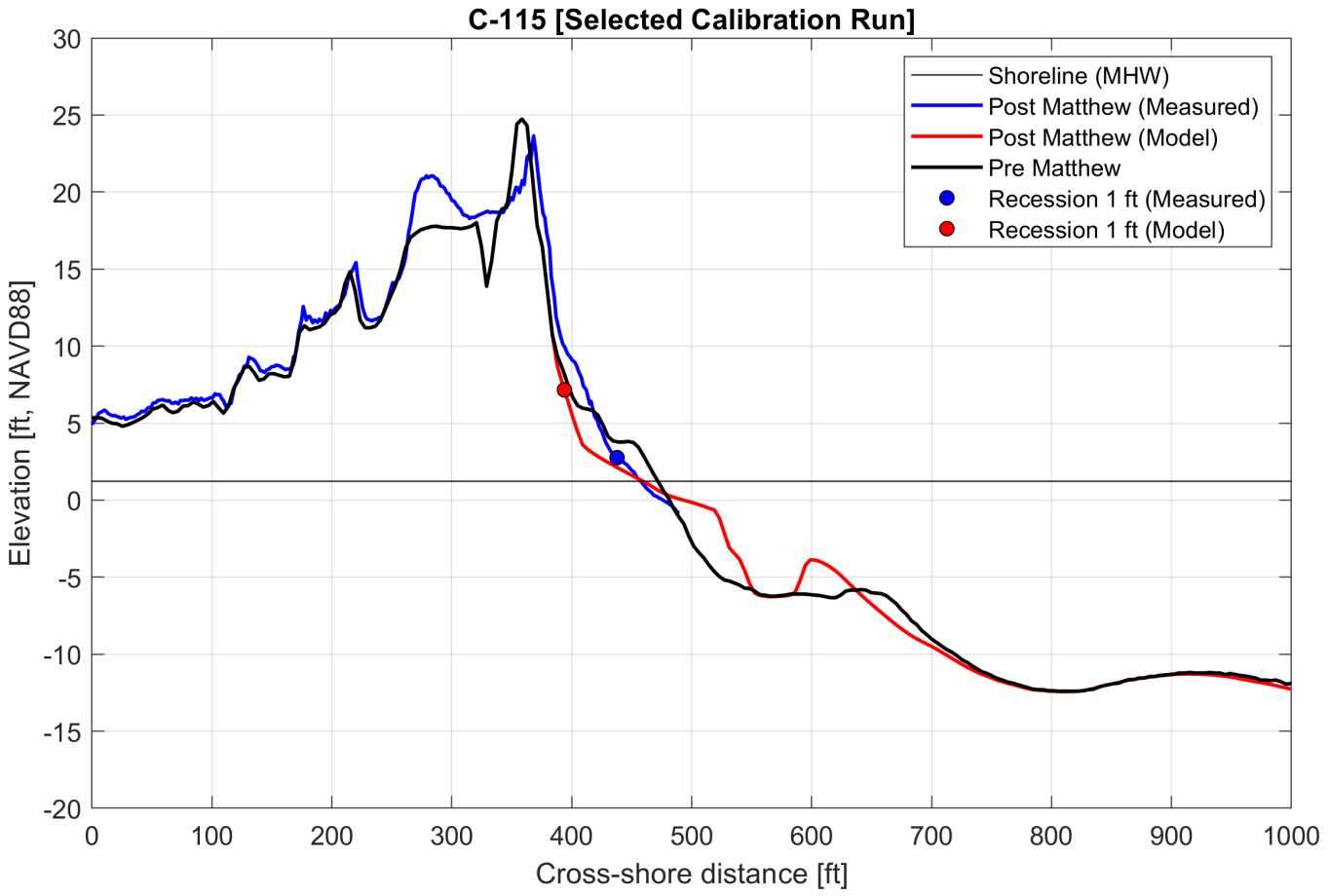

C-110 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

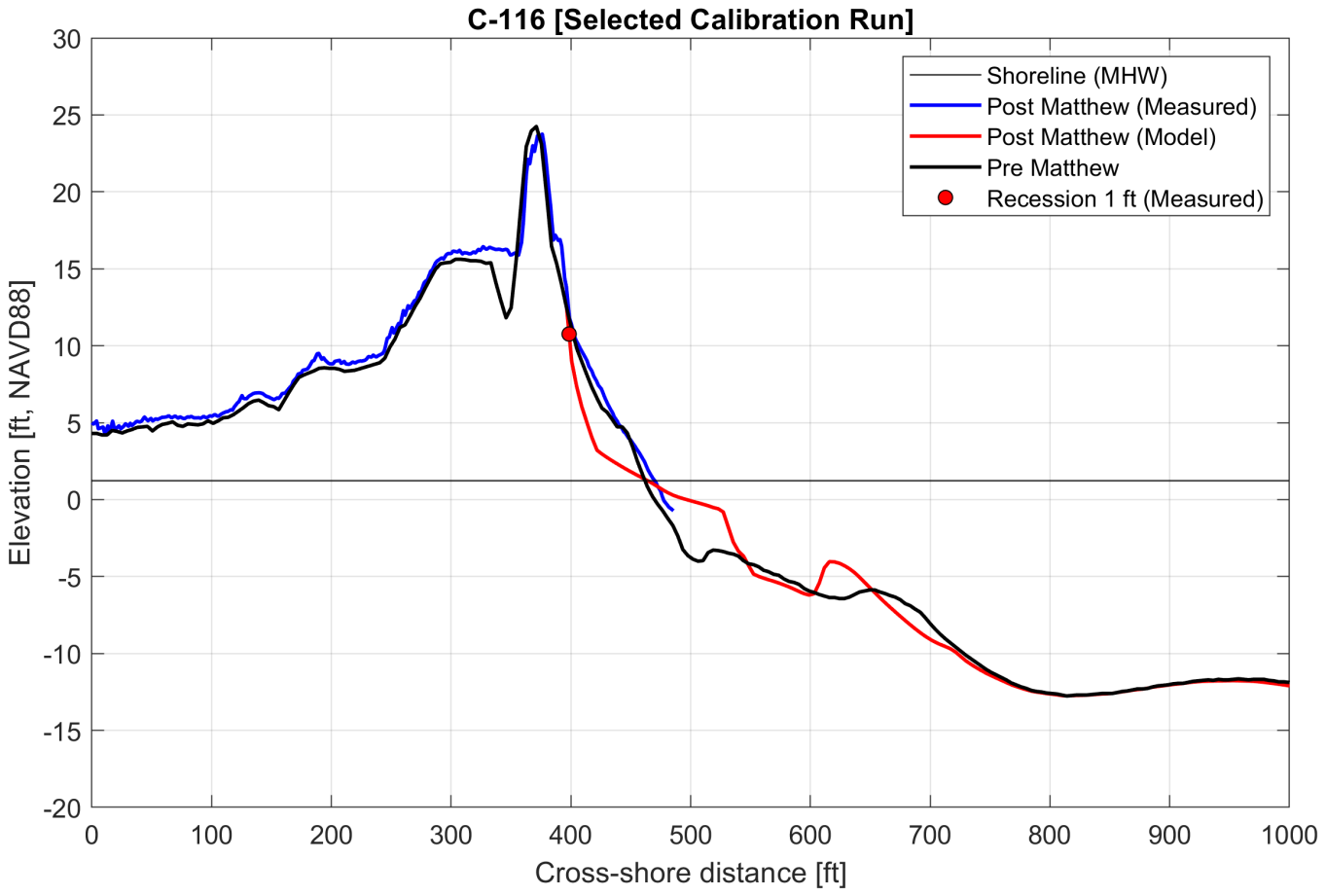

C-111 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

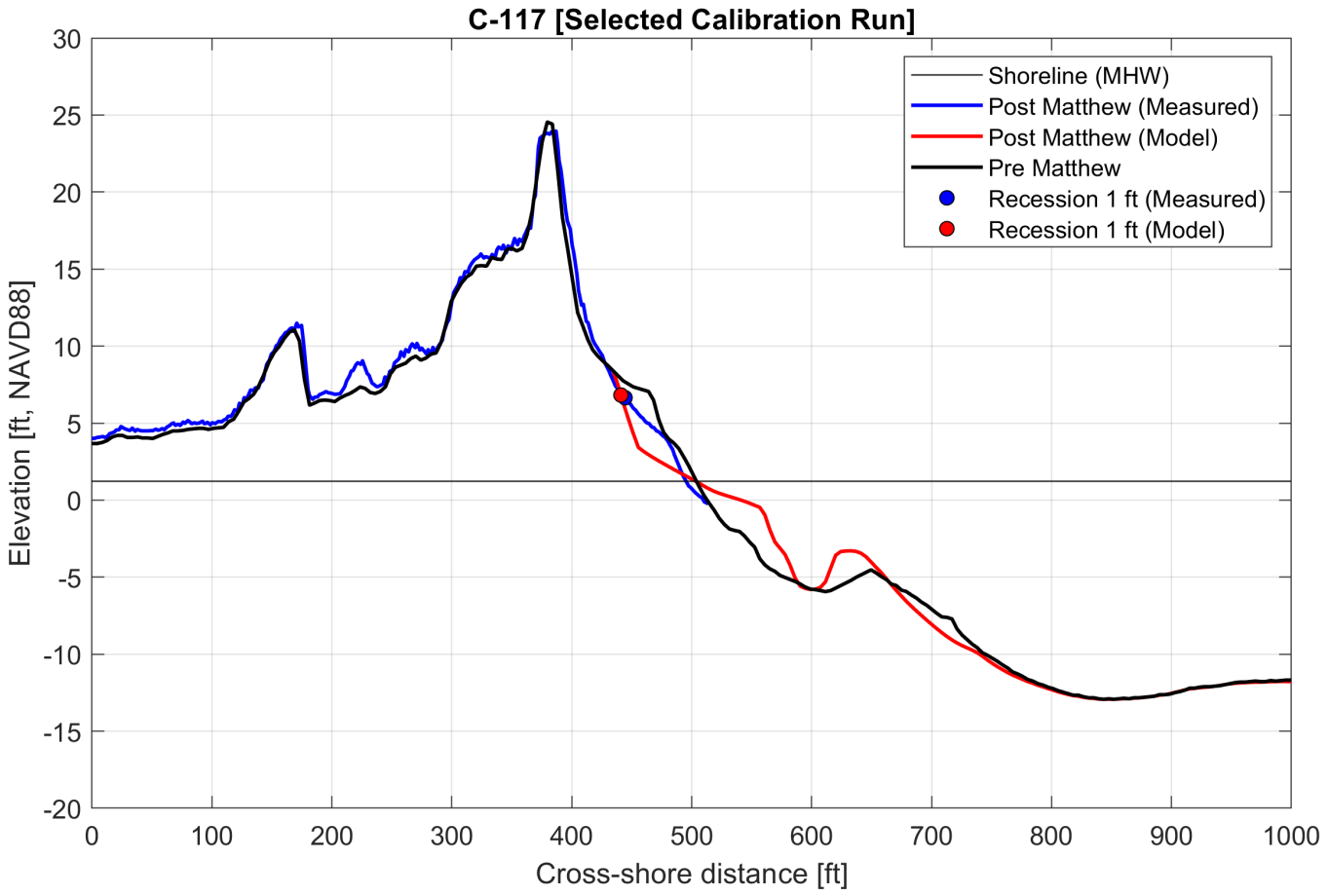

C-112 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

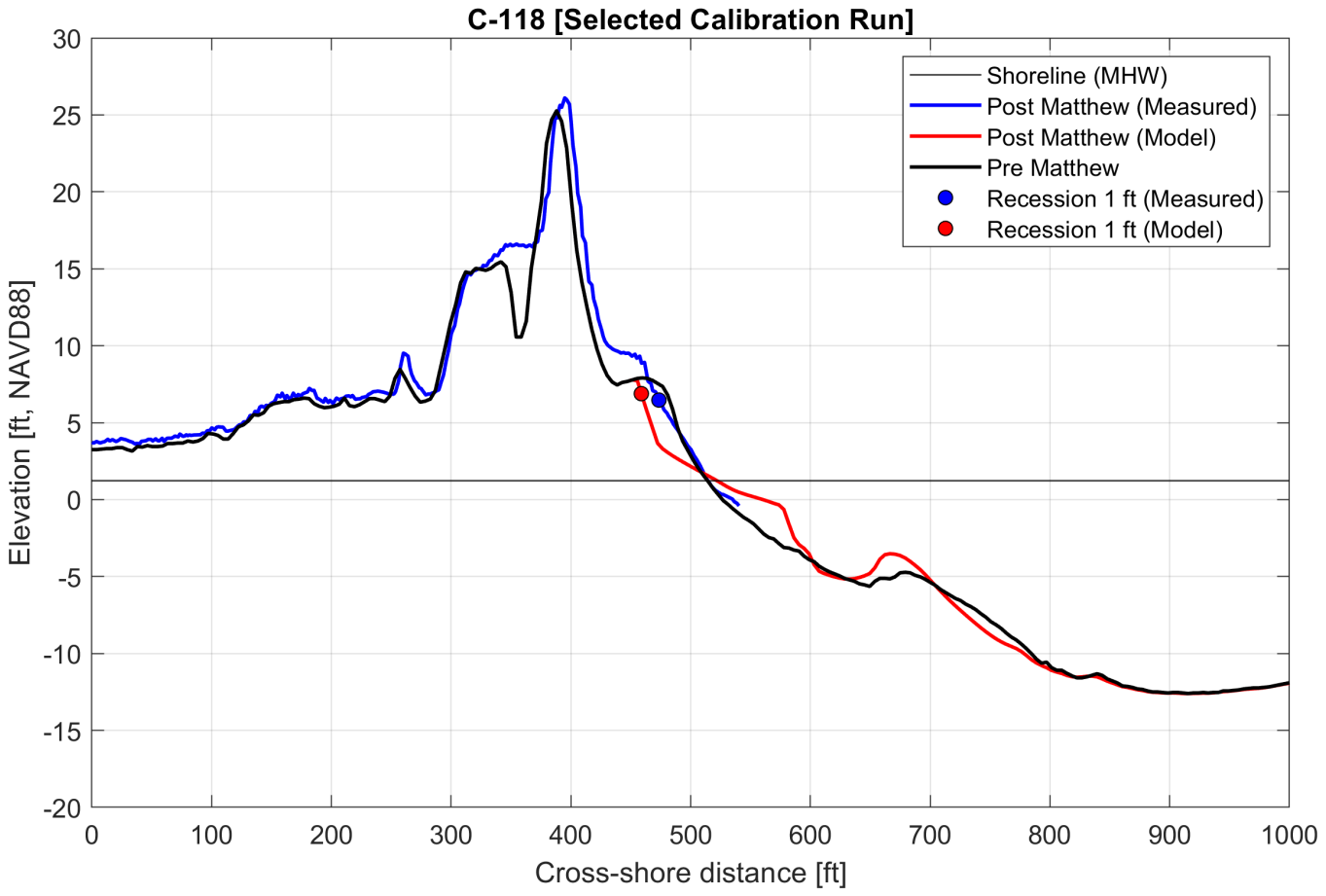

C-113 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

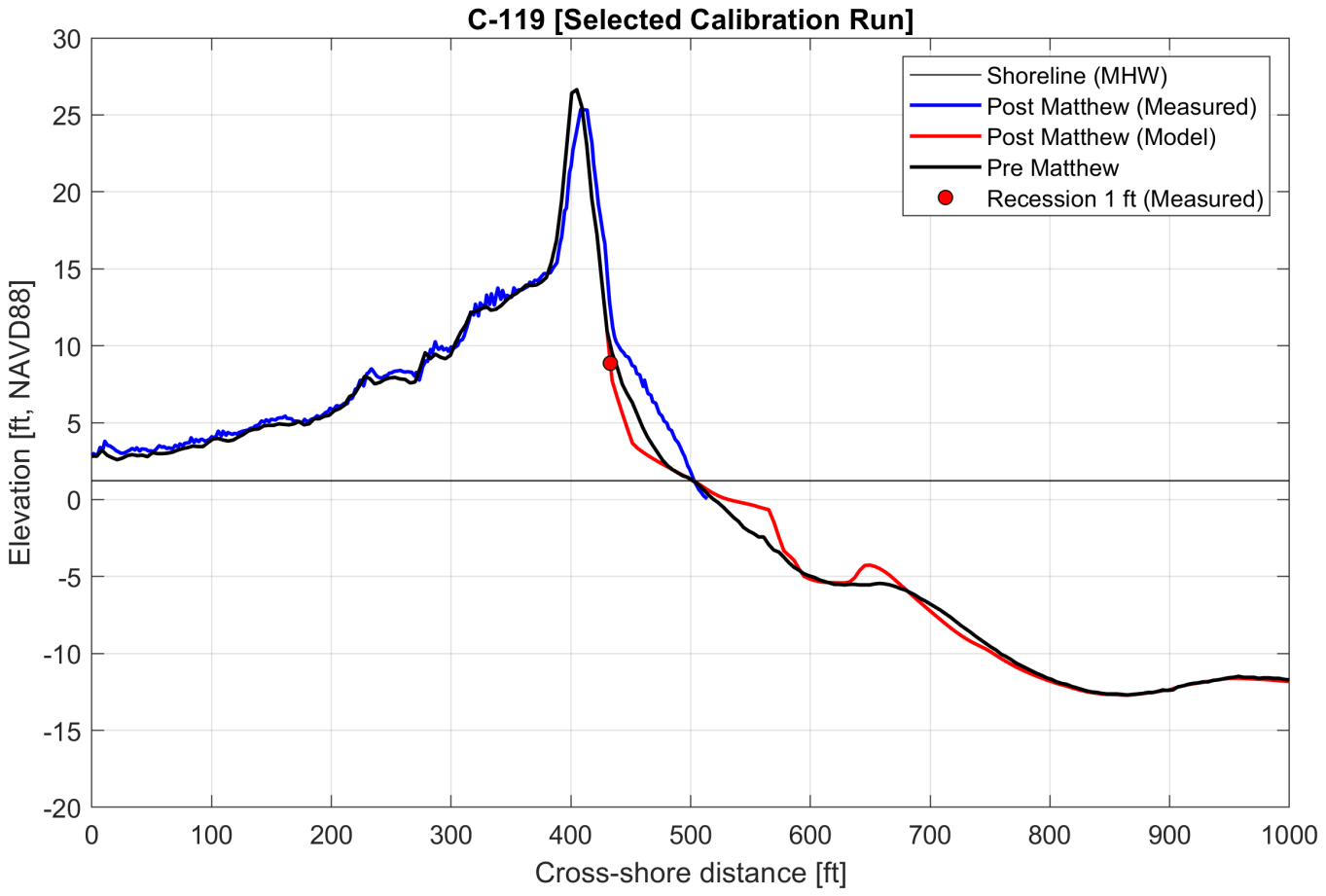

C-114 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000

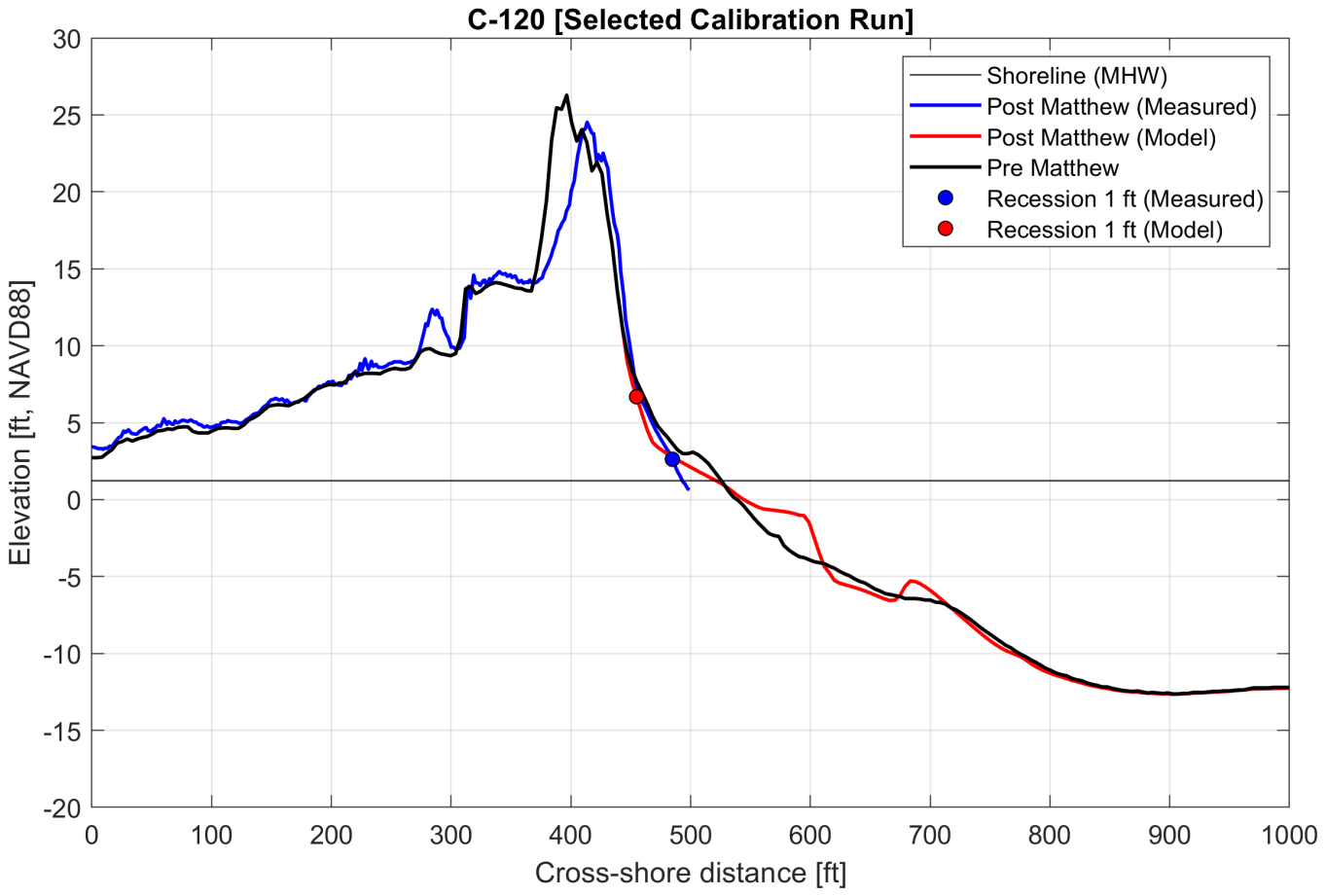

C-115 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000


C-116 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000


C-117 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000


C-118 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000


C-119 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000


C-120 [Selected Calibration Run]
Shoreline (MHW)
Post Matthew (Measured)
Post Matthew (Model)
Pre Matthew
Recession 1 ft (Measured)
Recession 1 ft (Model)
Elevation [ft, NAVD88]
Cross-shore distance [ft]
30
25
20
15
10
5
0
-5
-10
-15
-20
0
100
200
300
400
500
600
700
800
900
1000