FIRE ISLAND INLET TO MONTAUK POINT, NY
REFORMULATION STUDY
DRAFT GENERAL REEVALUATION REPORT
PLATES APPENDIX
JULY 2016

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# REFORMULATION STUDY
FIRE ISLAND INLET TO MONTAUK POINT, NEW YORK

## VICINITY MAP

## LOCATION PLAN

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TENTATIVELY SELECTED PLAN

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NEW YORK DISTRICT CORPS OF ENGINEERS
DEPARTMENT OF THE ARMY
NEW YORK, N.Y. 10278-0090
KEY MAP

REFORMULATION STUDY
FIRE ISLAND INLET TO MONTAUK POINT, NEW YORK
TENTATIVELY SELECTED PLAN
SHEET 16

BLUE POINT BEACH

GREAT SOUTH BAY

DAVIS PARK

MHW BASELINE

415 FT DUNE TOP (FIRST FILL) TYP.

BEACH (FIRST FILL) TYP.

SHORELINE (FIRST FILL) TYP.

DESIGN BEACH

DESIGN DUNE TOP

DESIGN SHORELINE

DEBRIS TAIL PLAN

BEACH FILL PLAN

INITIAL CONSTRUCTION

DESIGN TEMPLATE
KEY MAP

REFORMULATION STUDY
FIRE ISLAND INLET TO MONTAUK POINT, NEW YORK
TENTATIVELY SELECTED PLAN

SHEET 32

INITIAL CONSTRUCTION
DESIGN TEMPLATE

NEW YORK DISTRICT CORPS OF ENGINEERS
DEPARTMENT OF THE ARMY
NEW YORK, N.Y. 10278-0090
BEACH FILL PLAN TYPICAL SECTIONS

NEW YORK DISTRICT CORPS OF ENGINEERS
DEPARTMENT OF THE ARMY
NEW YORK, N.Y. 10278-0090

REFORMULATION STUDY
FIRE ISLAND INLET TO MONTAUK POINT, NEW YORK
TENTATIVELY SELECTED PLAN

NOTES:

1. THE TYPICAL SECTION W/O DUNE APPLIES TO SUBREACHES GSB-1A AND M1-1A. THE TYPICAL SECTION WITH 415' DUNE APPLIES TO ALL OTHER BEACH FILL PLAN SUBREACHES.
2. EXISTING PROFILE IS A COMBINATION OF USGS (11/2012) DATA ABOVE HW (44' NOV 2022) AND THE REPRESENTATIVE MORPHOLOGICAL PROFILE BELOW HW.
3. THE WIDTH OF THE CONSTRUCTION TEMPLATE IS BASED UPON THE FILL VOLUME REQUIRED FOR DESIGN PROFILE + ADVANCE FILL AND VARIES FROM PROFILE TO PROFILE.
4. THE ADVANCE FILL WIDTH VARIES FROM BEACH TO BEACH BASED UPON THE EROSION RATE AND REMAINDER INTERVAL.
5. THE DISTANCE FROM MID BASELINE TO SEAWARD EDGE OF BERM IS 120' FOR GSB-1A AND 140' FOR M1-1A.

A. TYPICAL BEACH FILL SECTION WITHOUT DUNE AND 90 FT BERM – STATION 122+00

B. TYPICAL BEACH FILL SECTION WITH 415 FT DUNE AND 90 FT BERM – STATION 429+61
NOTES:
1. THESE TYPICAL SECTIONS APPLY TO ALL PROACTIVE BREACH CLOSURE PLAN SUBREACHES.
2. EXISTING PROFILE IS A COMBINATION OF LGAR (11/2012) DATA ABOVE NAVH (42° NAVH) AND THE REPRESENTATIVE MORPHOLOGICAL PROFILE BELOW NAVH.
3. THE WIDTH OF THE CONSTRUCTION TEMPLATE IS BASED UPON THE FILL VOLUME REQUIRED FOR DESIGN PROFILE AND VARIES FROM PROFILE TO PROFILE.
4. THERE IS NO ADVANCE FILL IN THE PROACTIVE BREACH CLOSURE SECTIONS.

TYPICAL PROACTIVE BREACH CLOSURE SECTION - STATION 2261+43

TYPICAL PROACTIVE BREACH CLOSURE SECTION - STATION 2309+42
NOTES:
1. THESE TYPICAL SECTIONS APPLY TO SUBREACHES P-1G & P-1H
2. EXISTING PROFILE IS A COMBINATION OF UDOAR (11/2012) DATA AND THE REPRESENTATIVE MORPHOLOGICAL PROFILE BELOW NAVH.
3. THE WIDTH OF THE CONSTRUCTION TEMPLATE IS BASED UPON PLACING A FILL VOLUME OF 125,000 CY AT EACH SUBREACH.
4. THERE IS NO DESIGN PROFILE OR ADVANCE FILL IN THE SEDIMENT MANAGEMENT SUBREACHES.
Tentatively Selected Plan Non Structural Plan Layout
Notes
1. Location of the shoreline and structures was adapted from the April 1995 topographic maps prepared by Erdman Anthony Consulting Engineers.
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10 yr Plan - Structures Assigned
Non-Structural Treatment

Legend
- 10 yr Plan - Structures Assigned
- Non-Structural Treatment
- Street Centerlines
- Existing Structure
- Road Raising

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Tentatively Selected Plan Coastal Process Features Layouts
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PLATE No. 7
Back Bay Baseline Condition Floodplain Maps Sheets
1. Location of the shoreline, structures, and streets was adapted from the April 1995 topographic maps prepared by Erdman Anthony Consulting Engineers.

2. Floodplain extents are based on stage-frequency curves at the surge model output stations shown on the map and the 1995 Erdman Anthony topographic maps. Stage-frequency curves include locally generated wave-induced setup and an adjustment for sea level rise as of 2000, the baseline year for FIMP.

3. Floodplains are only representative of back bay conditions and do not include ocean flooding of the barrier island.

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Legend
- Pre-Sandy BLC 100 yr Flood Extents
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- Existing Structure
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