APPENDIX A

MAPPED NEW YORK STATE FRESHWATER WETLANDS ON THE BARRIER ISLANDS AND MAINLAND OF THE STUDY AREA

An overview of the locations of New York State Mapped Freshwater Wetlands are illustrated on the Figure A-1 and A-2 for the eastern and western extents of the project area, respectively. The wetlands are difficult to depict over the entire project area at the scale shown. The individual wetlands are identified in Tables A-1 andA-2 for the barrier island and mainland portions of the project area, respectively. In addition, the "snapshot" figures following each table provide more detailed examples of the state mapped freshwater wetlands.

Figure A-1: New York State Mapped Freshwater Wetlands
FIMP Study Area, EAST

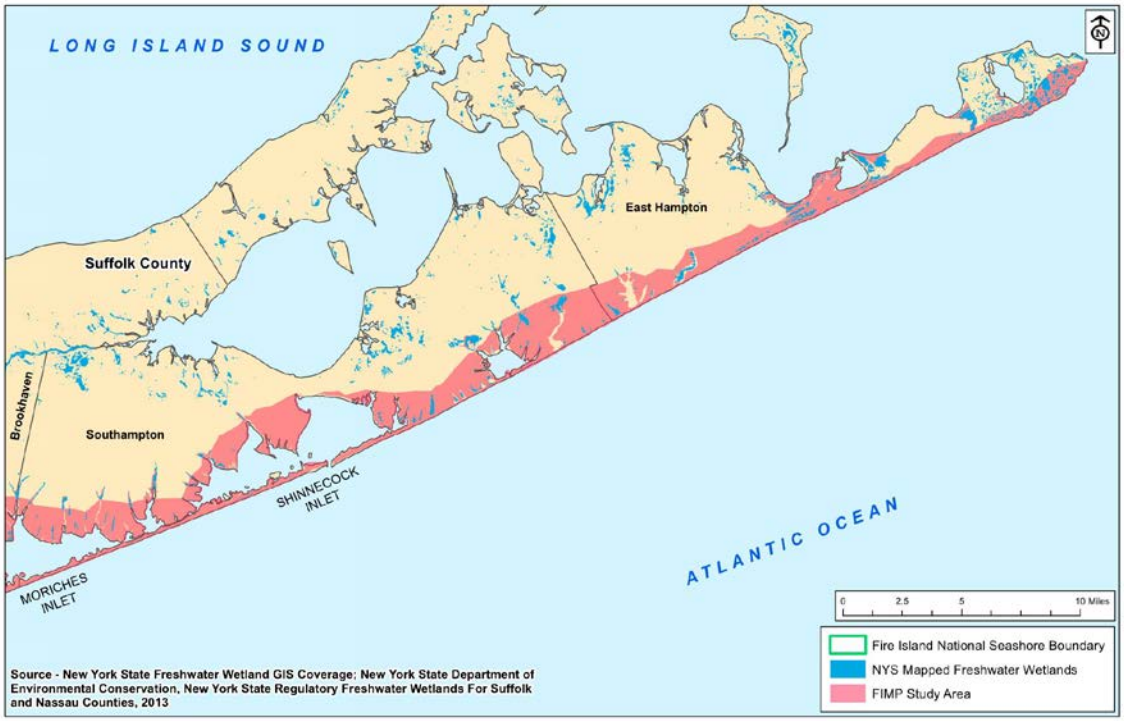


Figure A-2: New York State Mapped Freshwater Wetlands
FIMP Study Area, WEST

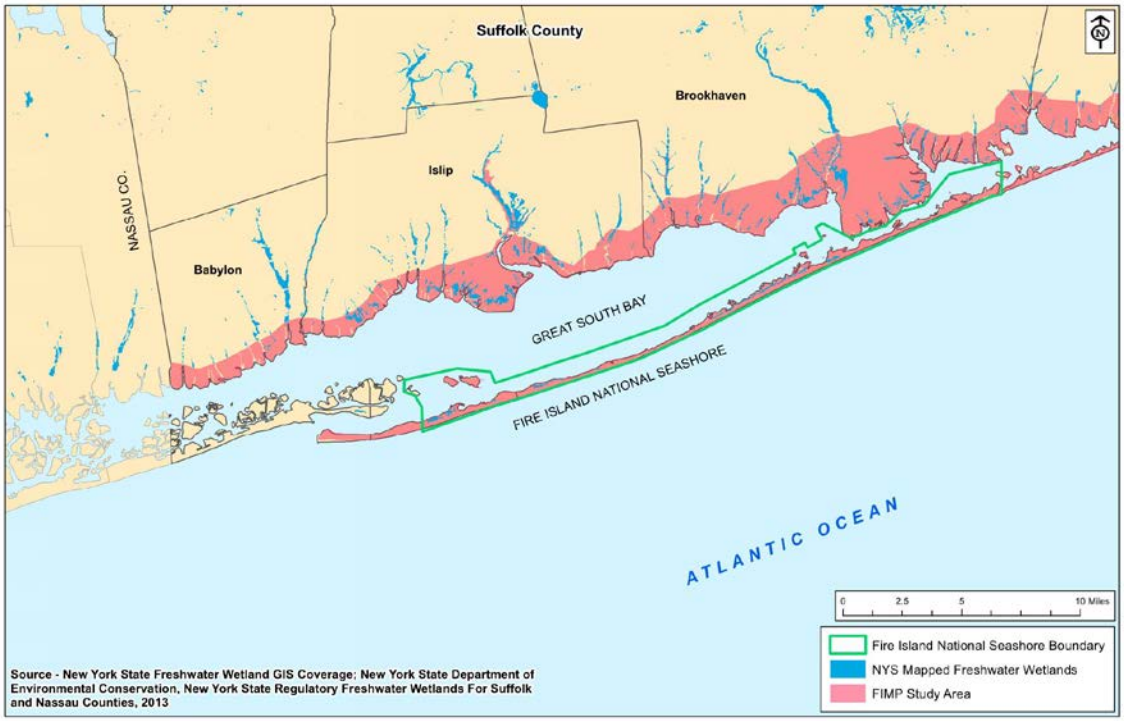


Table A-1. New York State Freshwater Wetlands Mapped for the Barrier Islands[1]

ID	Classification	Acreage
Q-18	2	3.7
Q-15	2	6.7
Q-14	2	6.4
Q-9	1	1.0
HP-5	1	42.0
HP-4	1	170.0
S-12	2	11.4
S-5	2	17.3
S-11	2	12.7
BE-17	2	25.3
BE-22	2	5.8
BE-21	2	5.2
BE-20	2	0.8
BE-19	2	35.8
BE-18	2	5.0
BE-16	2	43.3
	Total	**392.4**

[1] Includes all New York State Freshwater Wetland areas mapped within the marine beach, dunes and swales, terrestrial uplands, and bayside beach habitat types.

Source: New York State Freshwater Wetland GIS Coverage; New York State Department of Environmental Conservation, New York State Regulatory Freshwater Wetlands For Suffolk and Nassau Counties, 2013

Snapshot Example of New York State Mapped Freshwater Wetlands on Fire Island Barrier Island

Table A-2. New York State Freshwater Wetlands Mapped for the Mainland Upland

ID	Classification	Acreage[1]	Mainland Upland Habitat Acreage[2]
B-11	2	14.8	11.7
B-12	1	32.9	26.9
B-2	1	1065.3	372.9
B-21	2	15.0	12.2
B-3	1	131.7	19.8
B-4	1	59.1	19.9
B-5	1	157.3	97.6
B-6	1	11.2	9.1
B-7	1	44.8	37.6
B-8	1	36.2	28.2
B-9	2	112.6	98.8
BE-10	1	10.2	7.1
BE-11	1	59.4	49.9
BE-12	1	65.4	58.9
BE-13	1	130.4	171.7
BE-14	2	16.5	14.3
BE-15	1	206.4	183.0
BE-23	2	8.8	7.2
BE-24	2	3.0	2.3
BE-25	2	11.9	9.9
BE-26	2	25.0	17.6
BE-27	1	23.5	17.9
BE-28	2	3.3	2.3
BE-30	2	6.5	5.2
BE-31	1	12.7	9.6
BE-32	2	1.7	1.1
BE-33	2	2.1	1.2
BE-5	1	126.5	11.1
BE-8	1	46.3	40.0
BE-9	1	64.7	51.2
BW-1	1	515.9	2.0
BW-10	1	3.3	2.2
BW-11	2	21.1	14.4
BW-15	2	4.0	2.5
BW-18	1	6.3	4.8
BW-19	2	0.8	0.5
BW-2	1	172.1	1.6
BW-20	2	37.6	30.0
BW-21	2	6.8	5.5
BW-5	1	41.3	0.4

ID	Classification	Acreage[1]	Mainland Upland Habitat Acreage[2]
BW-6	2	16.7	0.0
BW-7	1	160.1	117.5
BW-9	2	13.0	6.5
C-3	1	745.2	1.9
C-8	2	82.9	14.2
E-1	1	17.0	9.5
E-10	1	12.5	9.5
E-11	1	26.6	22.3
E-12	1	39.3	1.8
E-13	1	11.8	9.8
E-14	1	11.8	8.5
E-15	1	12.8	8.6
E-18	2	9.2	7.6
E-19	1	15.1	10.9
E-2	1	78.4	2.9
E-3	1	38.0	5.0
E-5	1	22.2	8.5
E-6	1	24.3	20.0
E-7	1	31.4	25.4
E-8	1	11.1	8.4
E-9	1	3.1	2.1
EH-11	1	10.7	8.8
EH-12	1	13.6	10.8
EH-19	1	7.9	6.6
EH-20	2	2.7	2.1
EH-21	2	4.6	3.6
EH-22	2	10.2	8.7
EH-23	3	2.3	1.5
EH-24	1	3.5	2.1
EH-25	1	2.6	1.8
EH-29	1	2.9	1.8
EH-3	1	150.4	132.8
EH-30	1	2.0	1.5
EH-31	1	3.6	2.4
EH-32	1	2.8	1.7
EH-34	2	3.8	3.0
EH-4	1	54.3	48.6
EH-5	2	8.6	6.8
GE-4	1	8.3	6.1
GE-41	2	1.1	0.7
GE-5	1	22.3	10.1
GE-6	1	3.4	2.3
HP-1	1	4.4	3.1

ID	Classification	Acreage[1]	Mainland Upland Habitat Acreage[2]
HP-2	1	9.2	6.8
HP-3	1	19.7	14.9
M-1	2	28.8	23.2
M-10	1	13.7	9.0
M-11	1	30.8	23.4
M-12	1	15.5	10.2
M-13	1	16.6	8.9
M-14	1	9.7	7.3
M-15	1	5.6	3.7
M-16	1	14.2	10.9
M-17	2	3.7	2.8
M-18	1	2.1	1.4
M-19	1	10.0	6.7
M-2	2	7.7	4.2
M-20	1	97.4	65.5
M-33	2	13.0	9.5
M-37	1	2.6	1.9
M-4	2	34.9	24.7
M-45	2	0.7	0.3
M-46	2	1.8	0.8
M-47	2	1.0	0.5
M-48	2	6.6	4.5
M-49	2	10.9	6.8
M-50	2	2.1	1.4
M-51	2	1.5	0.3
M-52	2	1.6	1.0
M-53	2	1.2	0.6
M-54	2	49.0	31.9
M-59	2	4.6	3.3
M-61	2	1.3	0.8
M-7	1	71.2	14.2
M-8	1	62.3	20.1
M-9	1	116.3	101.1
MP-13	1	102.1	1.8
MP-14	1	129.1	80.0
MP-15	1	21.8	16.8
MP-16	1	42.6	34.6
MP-17	1	61.0	45.8
MP-19	3	26.0	21.2
MP-20	1	112.3	105.8
MP-28	1	5.1	3.5
MP-29	1	11.1	6.9
MP-30	1	81.9	50.7

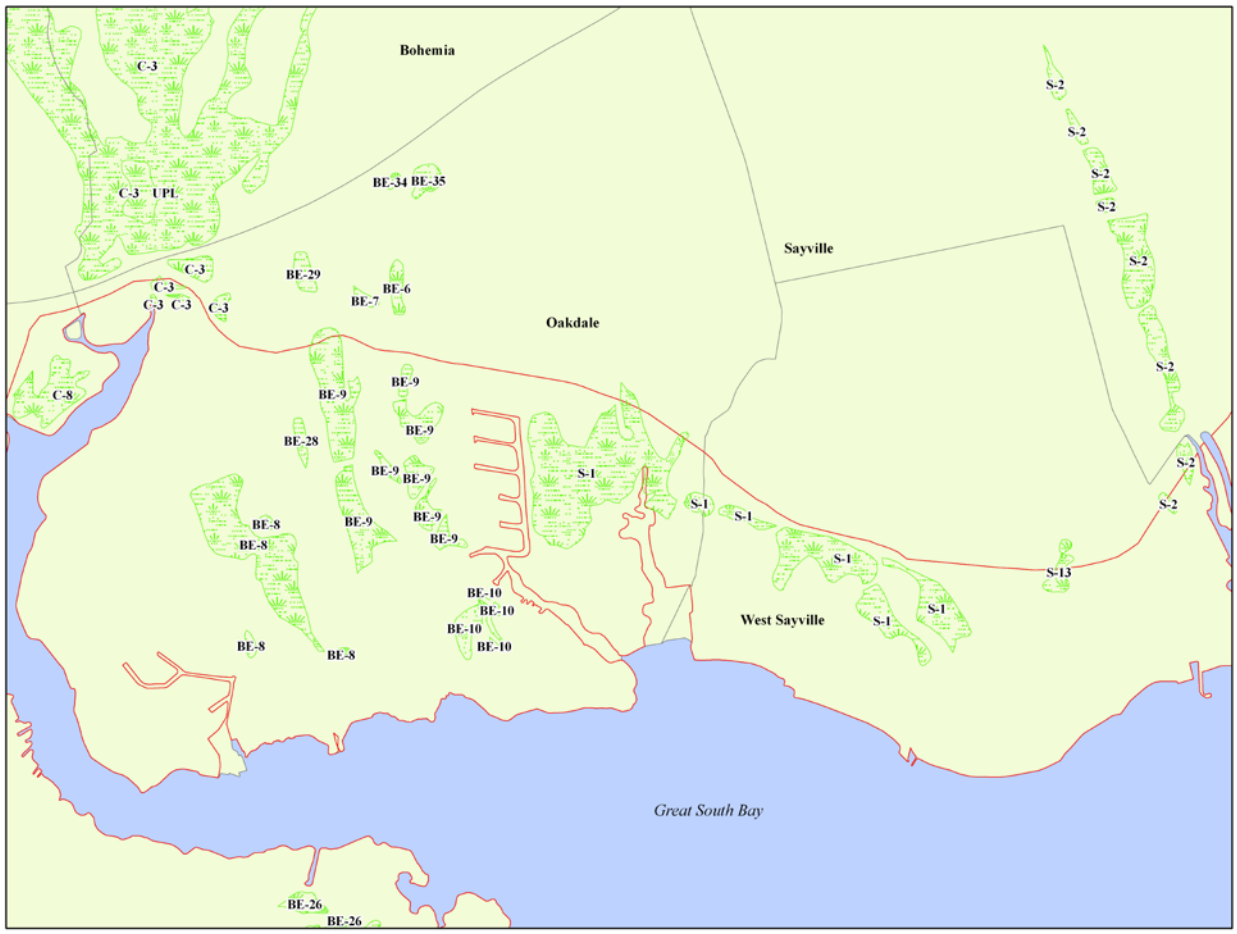
ID	Classification	Acreage[1]	Mainland Upland Habitat Acreage[2]
MP-31	1	25.9	18.7
MP-35	3	0.7	0.4
MP-38	1	1.3	0.7
MP-39	1	20.7	16.7
MP-43	2	4.1	2.9
MP-44	2	4.8	3.7
MP-45	2	1.4	1.0
MP-6	1	26.7	20.2
MP-7	1	47.9	42.7
MP-8	1	62.1	45.4
NA-3	1	15.3	2.8
NA-4	3	4.6	3.0
NA-5	1	7.2	4.9
NA-6	3	120.6	95.5
NA-7	1	8.2	5.7
NA-8	3	17.7	5.5
P-2	1	232.7	6.1
P-5	1	71.3	10.7
P-6	1	20.5	10.1
P-9	1	15.6	11.8
Q-10	2	21.0	1.2
Q-11	2	2.8	2.0
Q-2	1	27.3	21.5
Q-20	2	6.2	3.1
Q-3	1	5.7	3.5
Q-4	1	1.9	1.3
Q-5	1	14.6	3.7
Q-6	1	12.1	3.8
Q-7	1	5.5	3.6
Q-8	1	15.3	2.1
S-1	1	132.7	113.6
S-10	2	0.9	0.5
S-13	2	5.3	2.3
S-14	2	3.1	2.0
S-15	2	6.5	4.7
S-16	2	1.0	0.6
S-2	1	47.8	1.4
S-3	1	46.0	3.7
S-4	1	119.4	32.6
S-6	1	7.7	5.5
S-7	1	3.7	2.8
S-8	2	3.1	2.3
S-9	1	12.9	9.5

ID	Classification	Acreage[1]	Mainland Upland Habitat Acreage[2]
SA-10	1	15.8	13.1
SA-11	1	12.5	10.4
SA-12	1	14.0	11.9
SA-13	1	20.8	17.6
SA-14	1	32.4	23.0
SA-15	1	11.9	10.0
SA-38	1	35.9	3.0
SA-40	1	8.7	6.1
SA-41	2	12.1	9.1
SA-42	1	6.3	4.4
SAF-44	1	4.6	3.4
SA-45	1	5.2	4.1
SA-46	3	7.7	5.7
SA-48	2	0.9	0.6
SA-51	2	0.9	0.6
SA-61	2	4.9	3.8
SA-63	2	4.0	2.7
SA-64	2	1.4	0.9
SA-7	1	94.0	83.5
SA-8	1	134.3	122.8
SA-89	2	11.1	8.2
SA-93	2	2.2	1.6
SH-6	3	68.4	62.3
SI-1	1	21.0	17.5
SI-2	1	18.7	15.6
SI-3	1	19.7	15.7
SI-4	1	22.6	16.8
SI-5	2	2.8	2.1
SI-6	2	4.2	3.2
	Total	**8094.0**	**3832.9**

[1] Total acreage of the polygon for the identified wetland.
[2] Acreage of the portion of the wetland that occurs within the mainland upland habitat designation

Source: New York State Freshwater Wetland GIS Coverage; New York State Department of Environmental Conservation, New York State Regulatory Freshwater Wetlands For Suffolk and Nassau Counties, 2013

Snapshot Example of New York State Mapped Freshwater Wetlands on Mainland



Map 11

Map 10

Map 9

Map 8

Map 7

Map 6

Map 5

Map 4

Map 3

Map 2

Map 1

Map Location

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
- Salt Marsh
- Sand Shoal/ Mud Flat
- Intertidal Bay
- Subtidal Bay
- Submerged Aquatic Vegetation
- Open Water
- Coastal Pond
- Freshwater Wetland
- Inlet

N

4 2 0 4 8

Miles

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

DATE:	FILE NAME:	INDEX
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Map 2

Robert Moses Causeway

Captree State Park

Robert Moses Causeway

Democrat Point

Lookout Tower

Robert Moses State Park

Lighthouse

US Coast Guard Reservation

Clam Pond

Fi Lighthouse and Visitors Center

Sunken Forest

Fire Island

Transect 4
Sunken Forest

Transect 2
Ocean Beach

Map 3

Atlantic Ocean

Map 1

Transect 1
Democrat Point

Map Location

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
- Salt Marsh
- Sand Shoal/ Mud Flat
- Intertidal Bay
- Subtidal Bay
- Submerged Aquatic Vegetation
- Open Water
- Coastal Pond
- Freshwater Wetland
- Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

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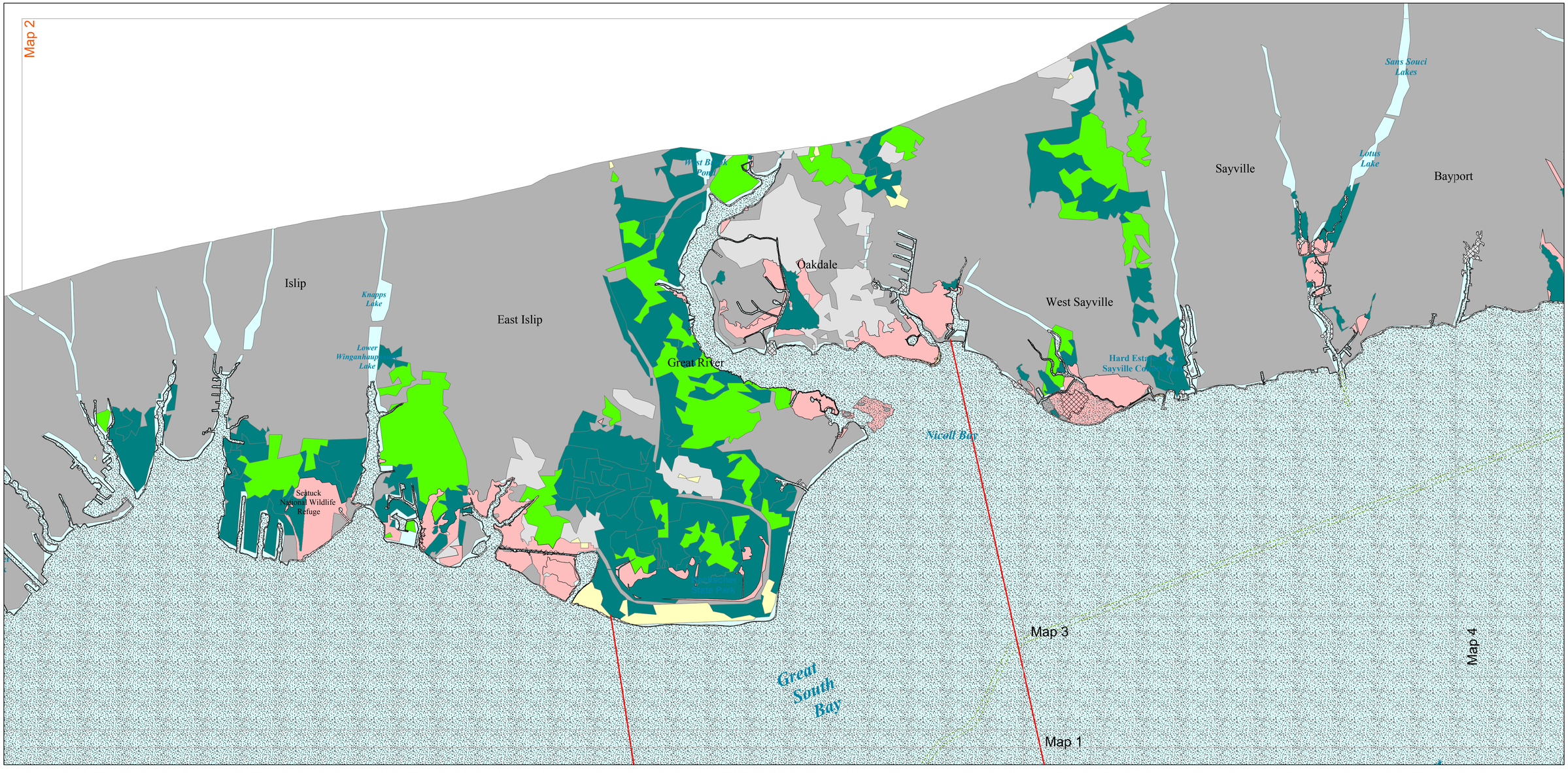

Map Location

Legend

Offshore Zone (10 meter depth to 30 meter depth)	Sand	Unknown/Private	Submerged Aquatic Vegetation
Nearshore Zone (-1.7 meters to 10 meter depth)	Mixed Vegetation/ Phragmites	Salt Marsh	Open Water
Sandy Intertidal Ocean (1.7 meters to -1.7 meters)	Maritime Forest	Sand Shoal/ Mud Flat	Coastal Pond
Sandy Beach	Upland Terrestrial	Intertidal Bay	Freshwater Wetland
Dune/Swale	Disturbed Land	Subtidal Bay	Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

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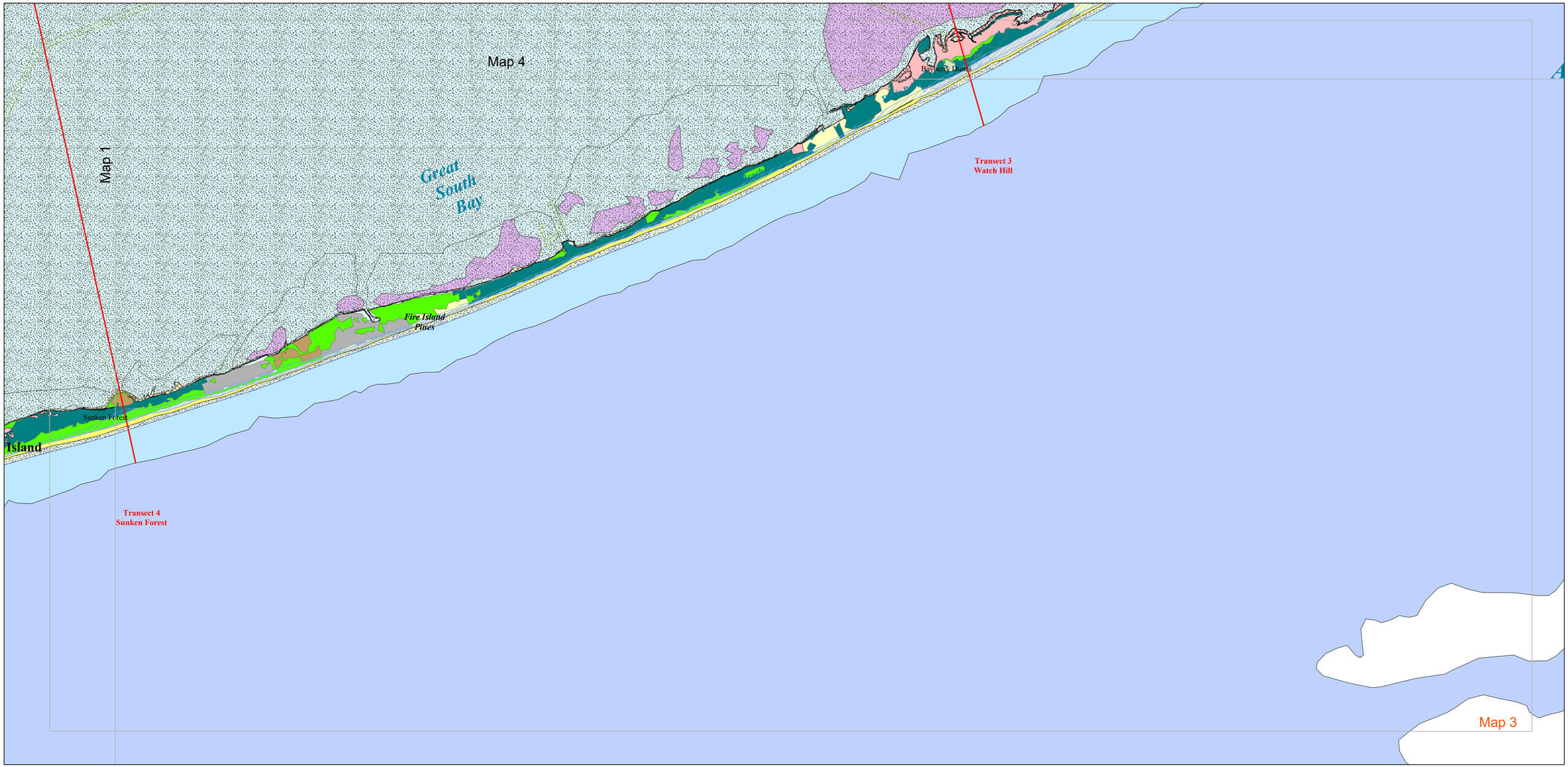

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
- Salt Marsh
- Sand Shoal/ Mud Flat
- Intertidal Bay
- Subtidal Bay
- Submerged Aquatic Vegetation
- Open Water
- Coastal Pond
- Freshwater Wetland
- Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

DATE:	FILE NAME:	
07/05	Z:/PROJECTS/CS300-DO32/MAP3.MXD	MAP 3

Bellport

Blue Point

Patchogue Bay

Bellport Bay

Dunton Lake

Howells Pt

Narrow Bay

Blue Pt.

Map 5

Great South Bay

Transect 6
Old Inlet

Fire Island National Seashore

Map 2

Bayberry Dunes

Transect 3
Watch Hill

Map 3

Atlantic Ocean

Map 4

Map Location

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
- Salt Marsh
- Sand Shoal/ Mud Flat
- Intertidal Bay
- Subtidal Bay
- Submerged Aquatic Vegetation
- Open Water
- Coastal Pond
- Freshwater Wetland
- Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

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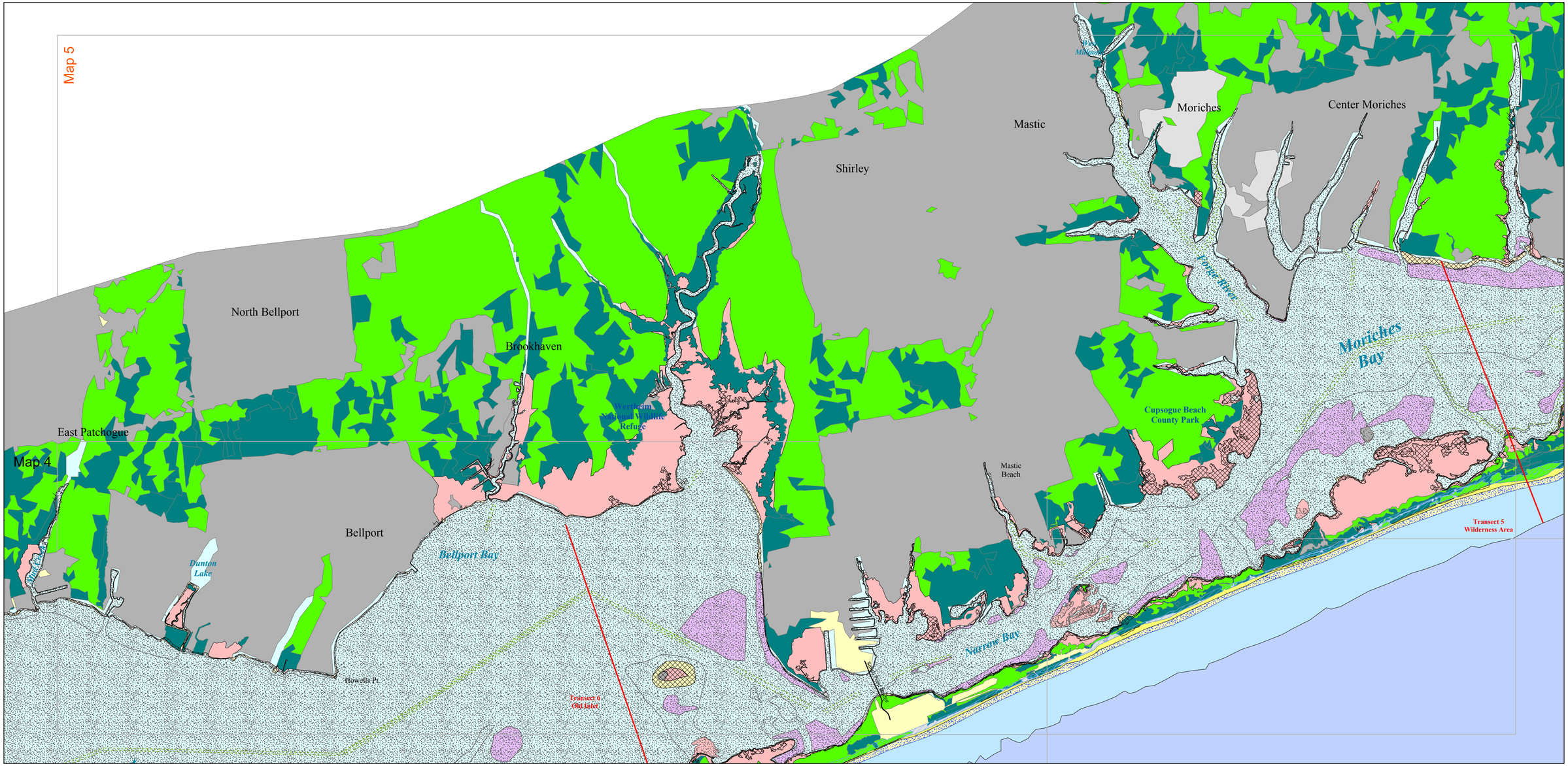

Map Location

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
- Salt Marsh
- Sand Shoal/ Mud Flat
- Intertidal Bay
- Subtidal Bay
- Submerged Aquatic Vegetation
- Open Water
- Coastal Pond
- Freshwater Wetland
- Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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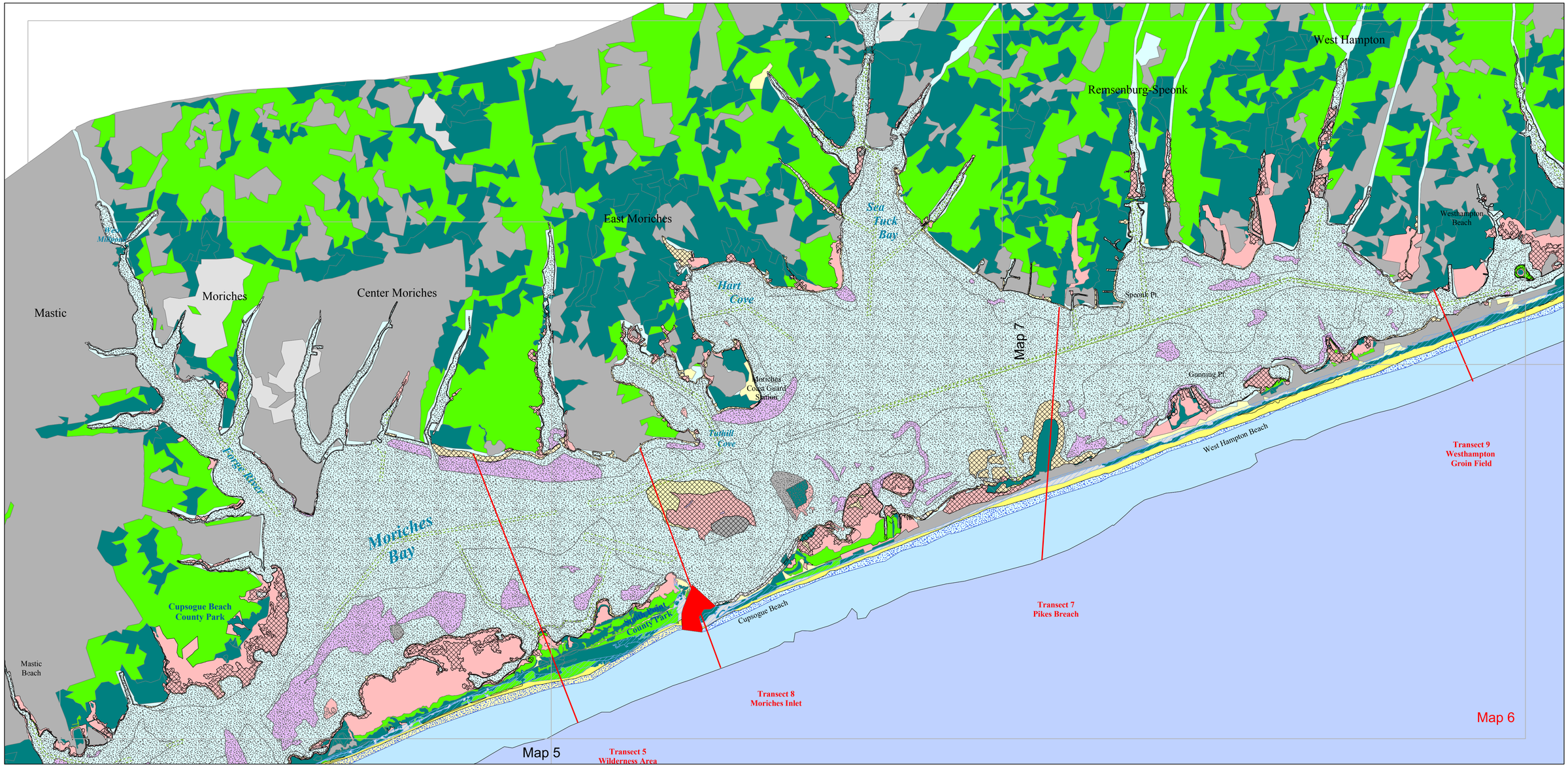

Map Location

Legend

Offshore Zone (10 meter depth to 30 meter depth)	Sand	Unknown/Private	Submerged Aquatic Vegetation
Nearshore Zone (-1.7 meters to 10 meter depth)	Mixed Vegetation/ Phragmites	Salt Marsh	Open Water
Sandy Intertidal Ocean (1.7 meters to -1.7 meters)	Maritime Forest	Sand Shoal/ Mud Flat	Coastal Pond
Sandy Beach	Upland Terrestrial	Intertidal Bay	Freshwater Wetland
Dune/Swale	Disturbed Land	Subtidal Bay	Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

DATE:	FILE NAME:	
07/05	Z:/PROJECTS/CS300-DO32/MAP6.MXD	MAP 6

Map 7

Tiana Bay

East Quogue

East Pt.

U.S. Coast Guard Station

Shinnecock Bay

Pine Neck Pt.

Old Ice Pond

Hampton Pt.

Map 7

Tiana Beach

stport

Beaver Dam Pond

West Hampton

Transect 10
Tiana Beach

Remsenburg-Speonk

Quogue

Quantuck Bay

Westhampton Beach

Speonk Pt.

Gunning Pt.

Transect 9
Westhampton
Groin Field

Map 5

Atlantic Ocean

Map Location

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
- Salt Marsh
- Sand Shoal/ Mud Flat
- Intertidal Bay
- Subtidal Bay
- Submerged Aquatic Vegetation
- Open Water
- Coastal Pond
- Freshwater Wetland
- Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

DATE:	FILE NAME:	MAP 7
07/05	Z:/PROJECTS/CS300-DO32/MAP7.MXD	

Map 8

Map 7

Transect 11
WOSI Area

Transect 10
Tiana Beach

Map 5

Map Location

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
- Salt Marsh
- Sand Shoal/ Mud Flat
- Intertidal Bay
- Subtidal Bay
- Submerged Aquatic Vegetation
- Open Water
- Coastal Pond
- Freshwater Wetland
- Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

DATE:	FILE NAME:	
07/05	Z:/PROJECTS/CS300-DO32/MAP8.MXD	MAP 8

Map 10

Map 8

Map 9

Bridgehampton

East Hampton Beach

Hook Pond

Georgica Pond

Georgica Cove

Wainscott Pond

Kellis Pond

Sagaponack Bay

Coastguard Station

Mecox Bay

Channel Pond

Jule Pond

Phillips Pond

Transect 12
Georgica Pond

Transect 13
Sagaponak,
Potato Road Vicinity

Map Location

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
- Salt Marsh
- Sand Shoal/ Mud Flat
- Intertidal Bay
- Subtidal Bay
- Submerged Aquatic Vegetation
- Open Water
- Coastal Pond
- Freshwater Wetland
- Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT CORPS OF ENGINEERS
NEW YORK, NY 10278

FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

DATE:	FILE NAME:	MAP 9
07/05	Z:/PROJECTS/CS300-DO32/MAP9.MXD	

Map 10

Napeague Bay

Map 11

Hither Hills State Park

Fresh Pond

Napeague Harbor

Napeague

Napeague Beach

Amagansett

Amagansett National Wildlife Refuge

Atlantic Ocean

Map 9

Hook

Map Location

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
- Salt Marsh
- Sand Shoal/ Mud Flat
- Intertidal Bay
- Subtidal Bay
- Submerged Aquatic Vegetation
- Open Water
- Coastal Pond
- Freshwater Wetland
- Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

Vertical Datum: NGVD 29

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Map 11

Block Island Sound

Shagwong Pt

Big Reed Pond

Suffolk County Parkland

Oyster Pond

Montauk Pt

Lighthouse

Montauk Point State Park

Lake Montauk

Map 7

Fort Pond Bay

Fort Pond

Montauk

apeague Bay

Hither Hills State Park

Fresh Pond

Map 5

Map Location

Legend

- Offshore Zone (10 meter depth to 30 meter depth)
- Nearshore Zone (-1.7 meters to 10 meter depth)
- Sandy Intertidal Ocean (1.7 meters to -1.7 meters)
- Sandy Beach
- Dune/Swale
- Sand
- Mixed Vegetation/ Phragmites
- Maritime Forest
- Upland Terrestrial
- Disturbed Land
- Unknown/Private
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- Sand Shoal/ Mud Flat
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- Open Water
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- Freshwater Wetland
- Inlet

N

1,000 500 0 1,000 2,000

Meters

Horizontal Datum: NAD 83, UTM Meters

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FINAL PHASE II COVER TYPE MAP FOR THE CONCEPTUAL MODEL FIRE ISLAND INLET TO MONTAUK POINT REFORMULATION STUDY.

DATE:	FILE NAME:	MAP 11
07/05	Z:/PROJECTS/CS300-DO32/MAP11.MXD	