New England District FY 2019 Dredging Program

US Army Corps of Engineers®
New England District

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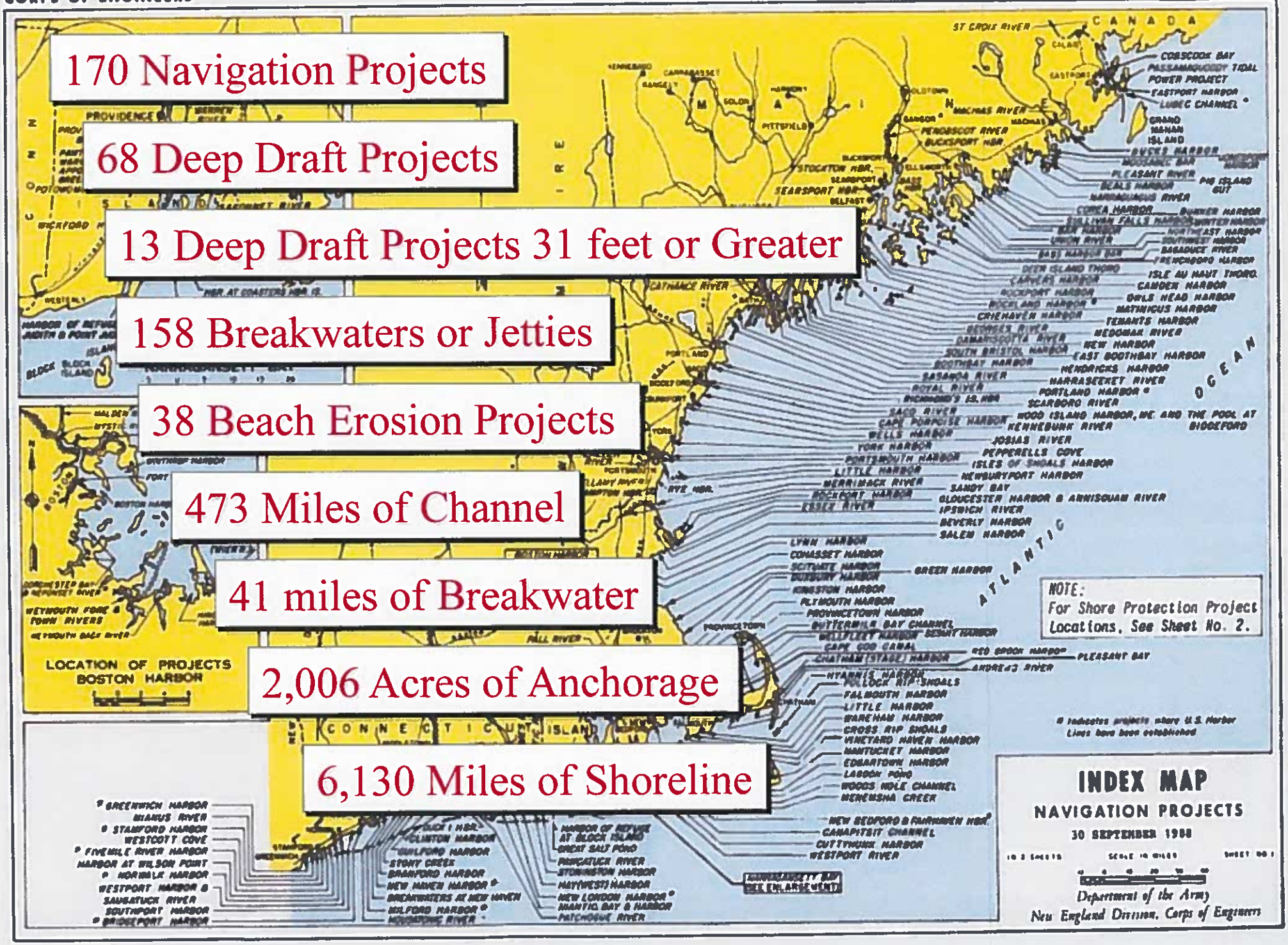

Schedule For FY-19 O&M Dredging Work for New England District
North Atlantic Division

NAE O&M and New Work Dredging Program

Hopper | Pipeline
Bucket | Existing Contract

FY 19 — Updated October 2018

	Project	Contractor & Dredge	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	Boston Harbor, MA (Improvement) Bucket 1,805,000 CY	Cashman Dredging AWD														
2	Saco River Pipeline 111,000 CY	H&L Contracting AWD														
4	Cape Porpoise Bucket 25,000 CY	TBD TBD														
5	Annisquam River Bucket 160,000 CY	TBD TBD														
6	Plymouth Harbor Bucket 384,500 CY	Burnham Associates Inc AWD														
7	Kennebec River Hopper 70,000 CY	TBD TBD														
8	Patchogue River Government 10,000 CY															
9	Clinton Harbor Government 10,000 CY															
10	HOR BI Government 10,000 CY															
11	Great Salt Pond Government 10,000 CY															
12	Boston Harbor, MA (Maintenance) Bucket 470,000 CY															

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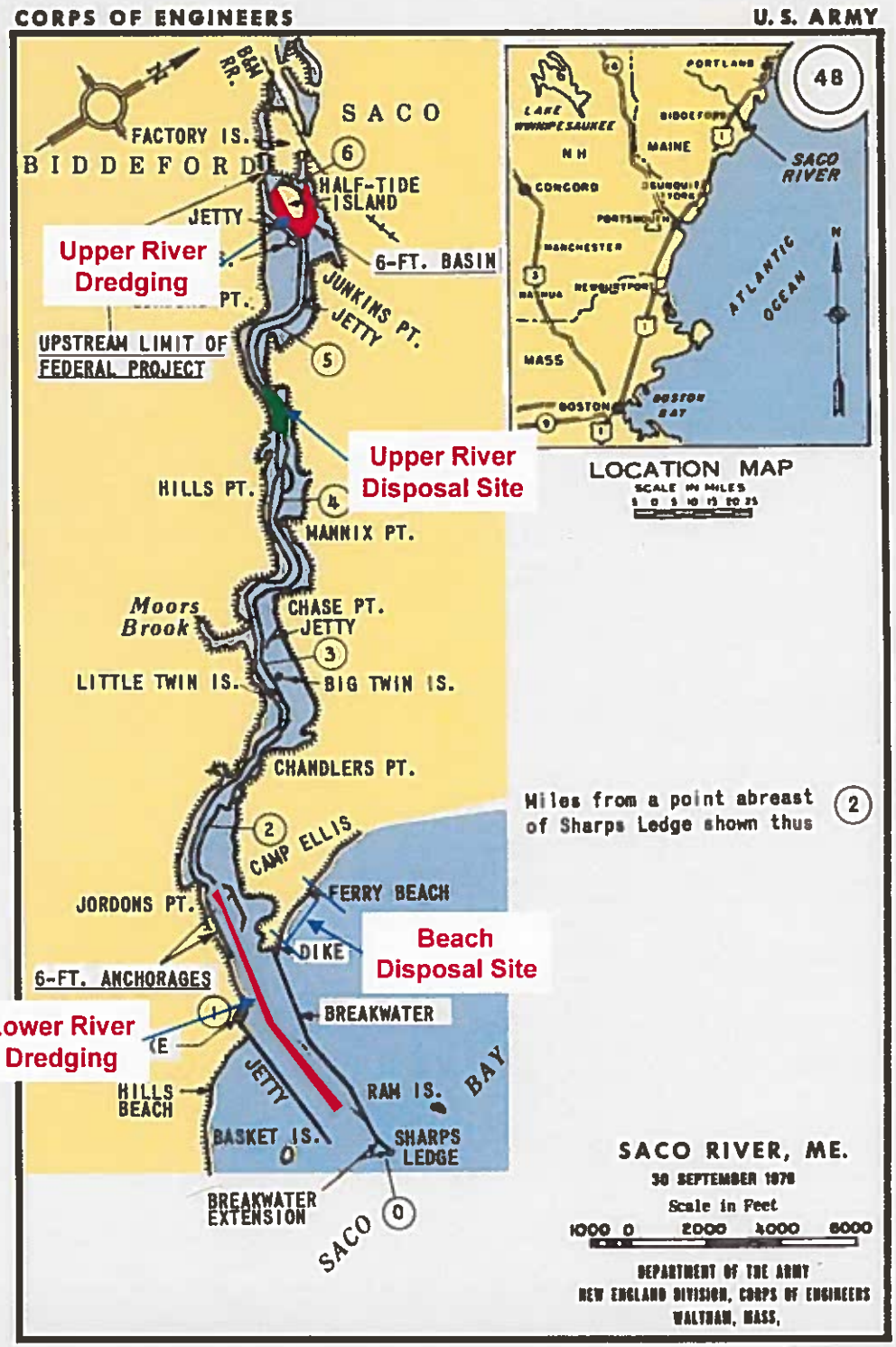
GENERAL PLAN OVERVIEW

SHEET ID
G-1

Saco River

- **Project Depth: 6' MLLW**
- **Last Dredged: 1994**
- **Quantity: 111,000 cy**
- **Material Type: Sand/Silt**
- **Equipment Type: Hydraulic dredge/ hopper**
- **Disposal Sites: Beach/In-River**
- **H&L Contracting - $3,930,700**



Cape Porpoise Harbor

Project Depth: 6', 15', 16', 18' MLLW

Last Dredged: 1976

Quantity: 25,000 cy

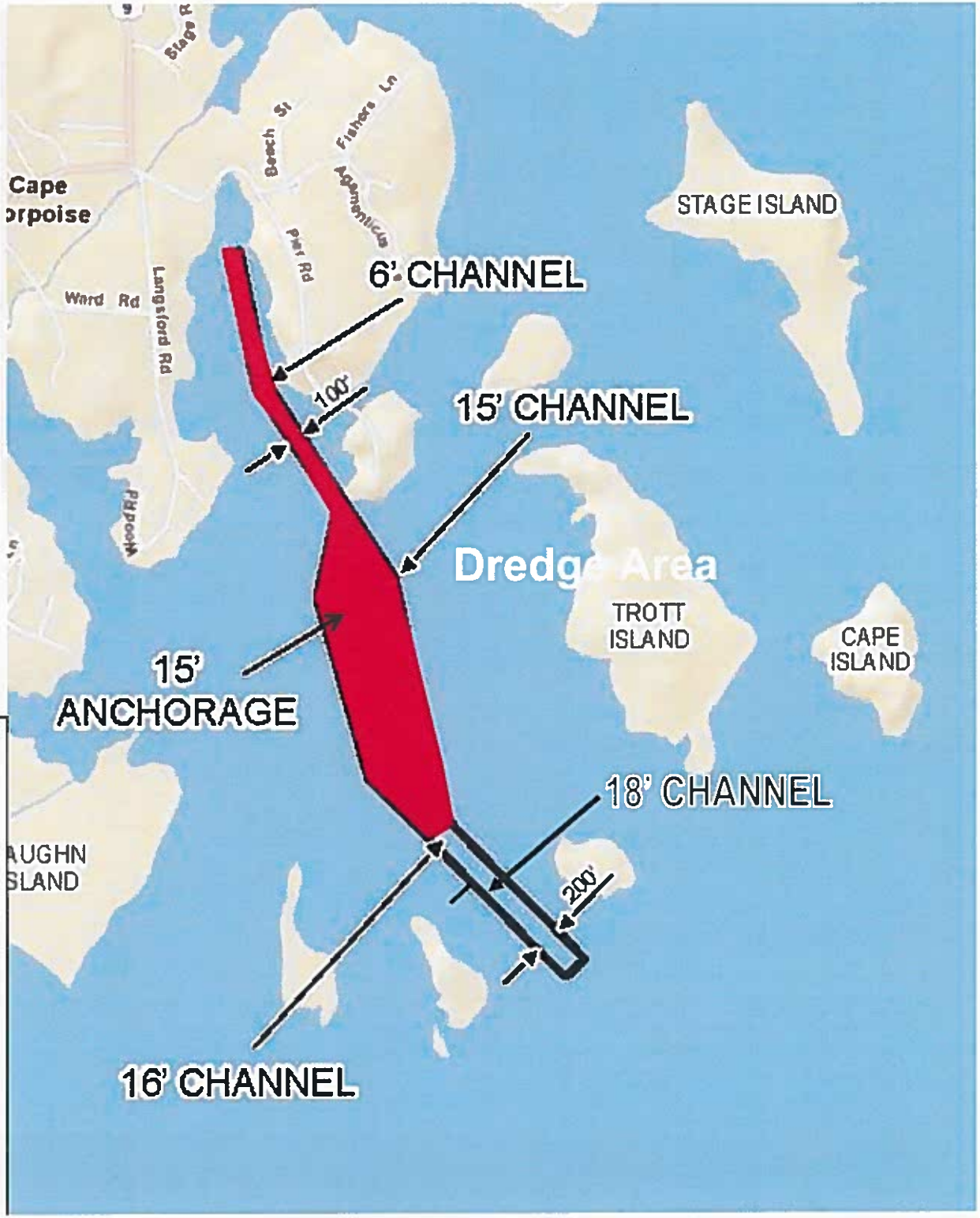
Material Type: Sand/Silt

- **Will be dredging 15' Channel & 15' Anchorage to 10' MLLW and the 6' Channel**

Equipment Type: Mechanical

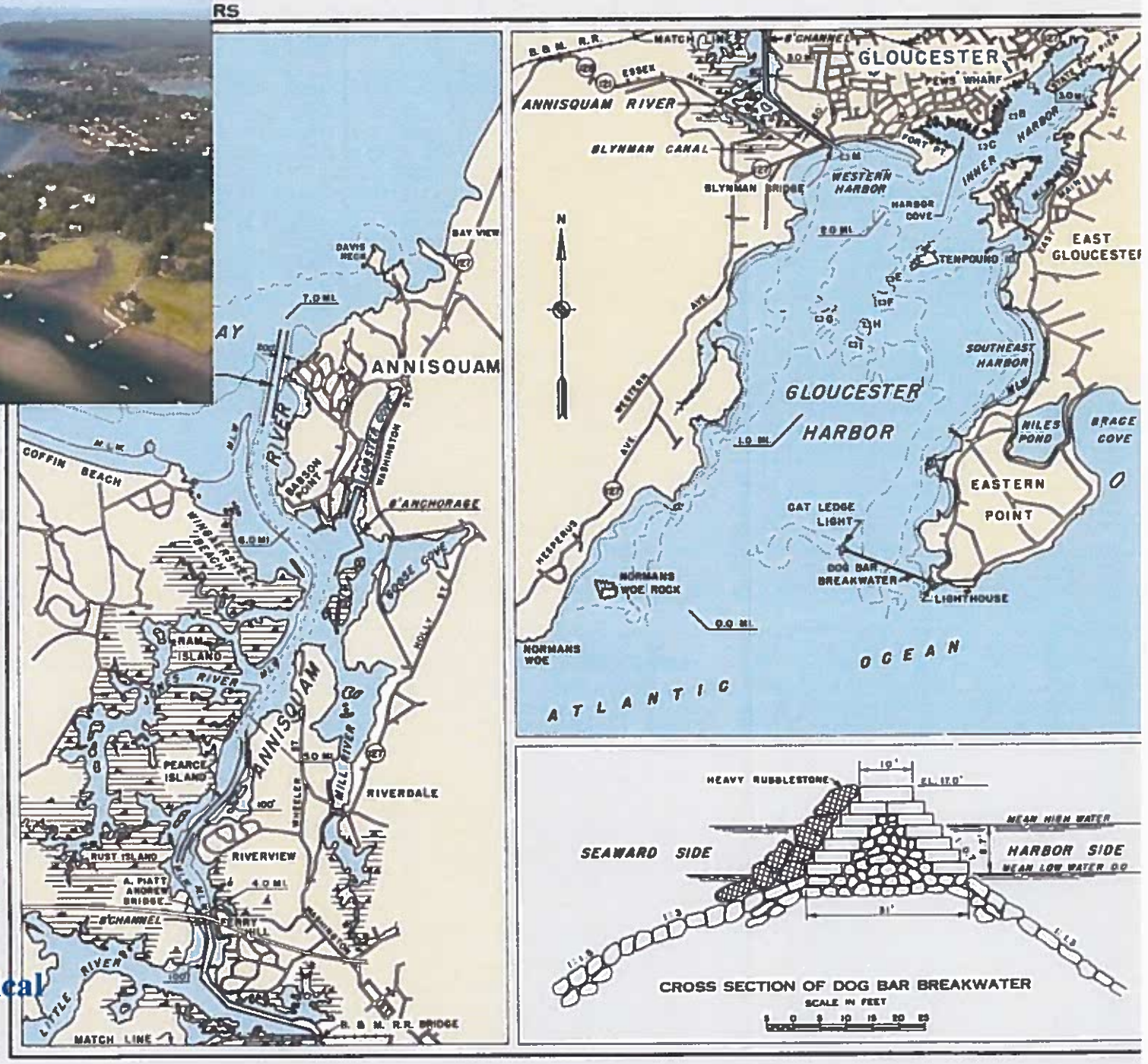
Disposal Sites: Open Water

Estimated Start: November 2019



Annisquam River

Project Depth: 8' MLLW
Last Dredged: 1976
Quantity: 160,000 cy
Material Type: Silt/Clay
Equipment Type: Mechanical
Disposal Site: Mass Bay



Plymouth Harbor

Proposed Dredging

Project Depth:
18', 15' and 8' MLLW

Last Dredged: 1988

Quantity: 384,500

Material Type: silt/clay

Equipment Type: Mechanical

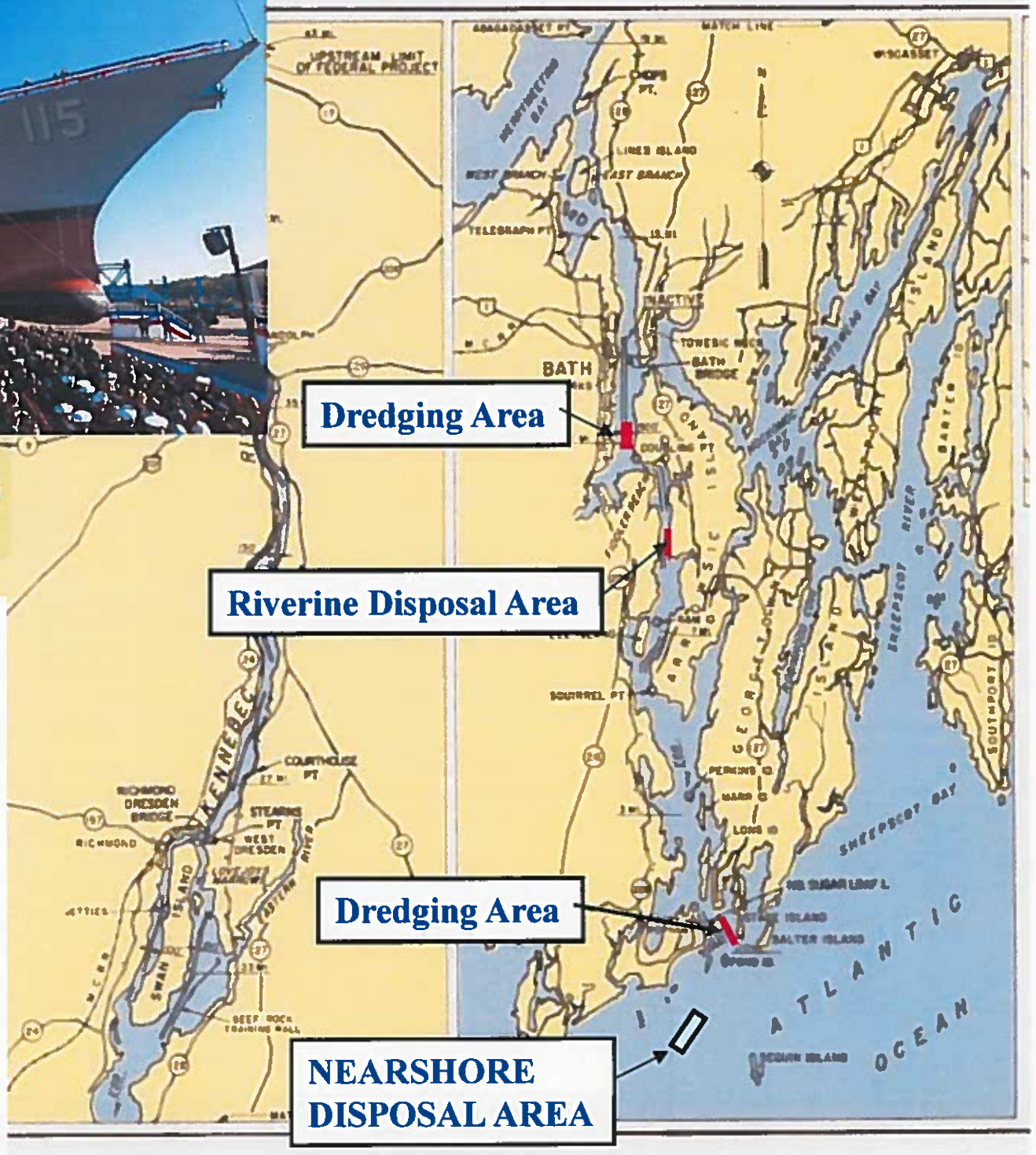
Disposal Site: Open Water
Cape Cod Bay/Mass Bay/
Nearshore

Haul Distance: 35 miles

Burnham Associates

Cost $9,378,800

Kennebec River



Project Purpose/Need: Programmatic Maintenance Dredging to Support Navigational Requirements of USN Vessels Constructed at Bath Iron Works

Project Depth: -27' MLLW

Quantity: 70,000 cy

Material Type: Sand

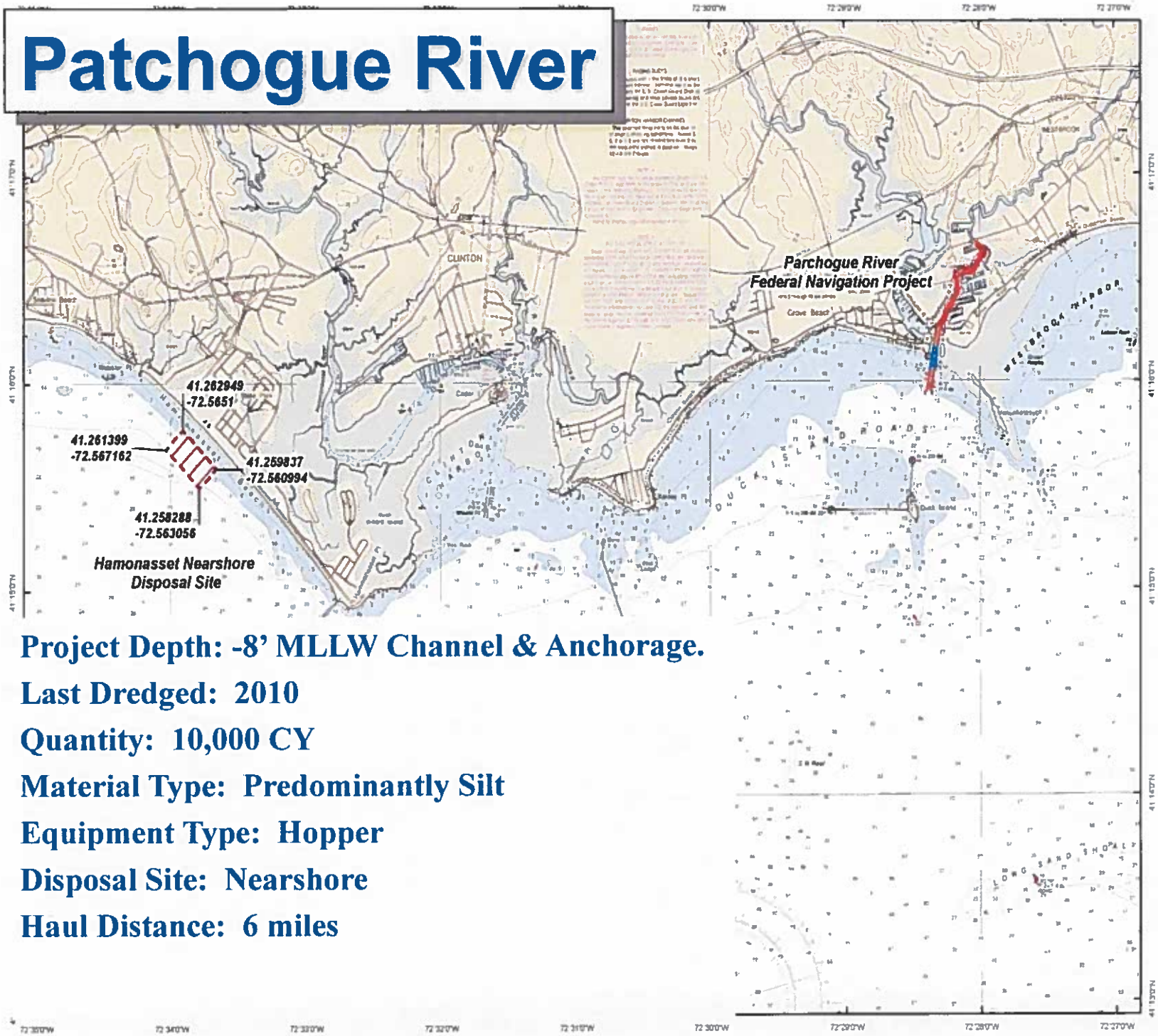
Disposal Sites: In-River &

Nearshore & Potential Adjacent Area

Issues: 2 Endangered Species, 1 Critical Habitat

Programatic EFH

Patchogue River



Project Depth: -8' MLLW Channel & Anchorage.

Last Dredged: 2010

Quantity: 10,000 CY

Material Type: Predominantly Silt

Equipment Type: Hopper

Disposal Site: Nearshore

Haul Distance: 6 miles

ATTACHMENT NO. 2

PATCHOGUE RIVER AND NEARSHORE DISPOSAL SITE WESTBROOK AND MADISON, CT

US ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT

SCALE 1:35,000

Kilometers
0 0.25 0.5 0.75 1 1.25 1.5

0 0.25 0.5 0.75 1
Miles

Background Image from NOAA Chart 12374

Coordinate System: GCS North American Datum 1983

Legend:

- *Federal Navigation Project*
- *Dredge Area*
- *Nearshore Disposal Site*

Clinton Harbor

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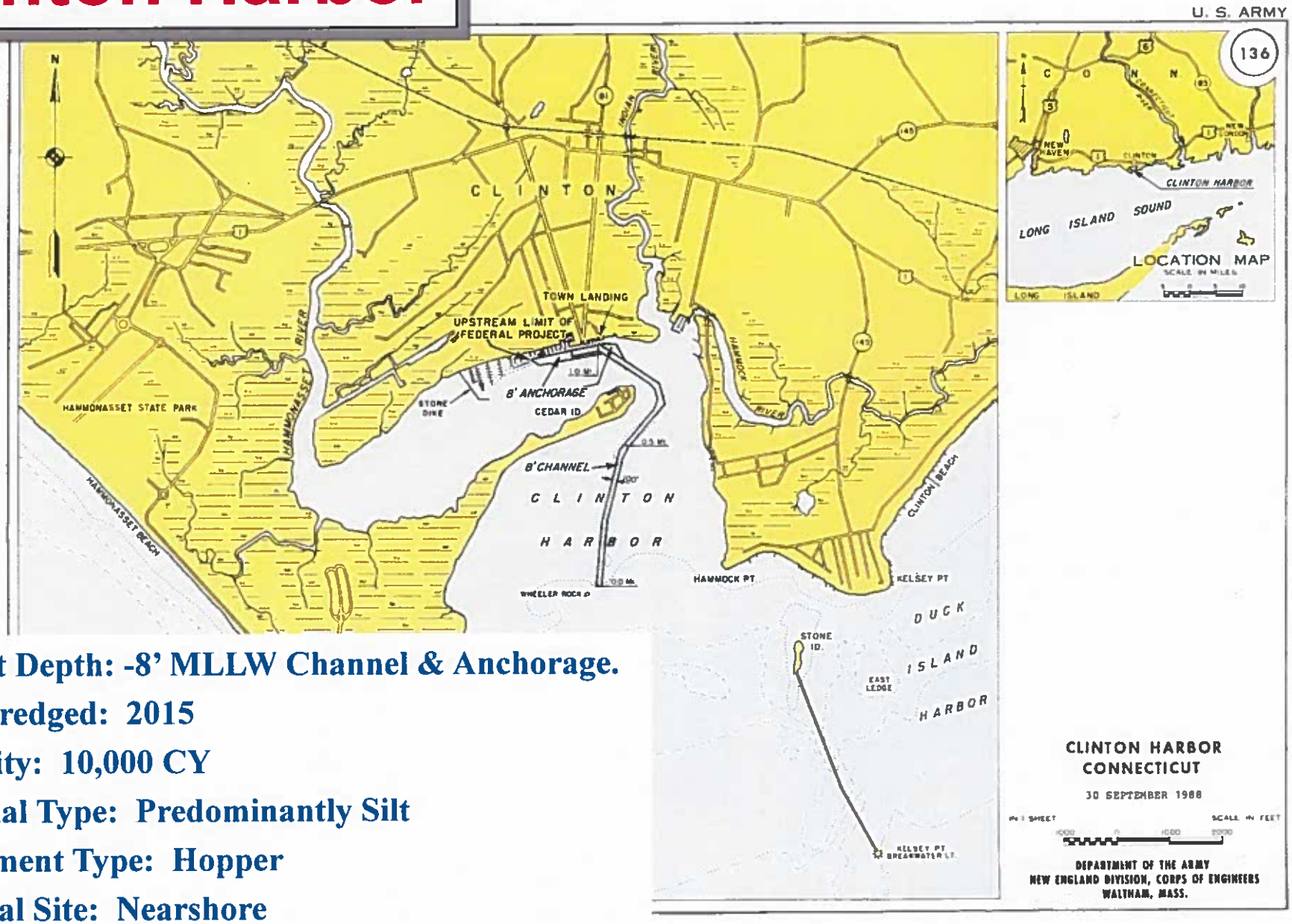


Project Depth: -8' MLLW Channel & Anchorage.

Last Dredged: 2015

Quantity: 10,000 CY

Material Type: Predominantly Silt

Equipment Type: Hopper

Disposal Site: Nearshore

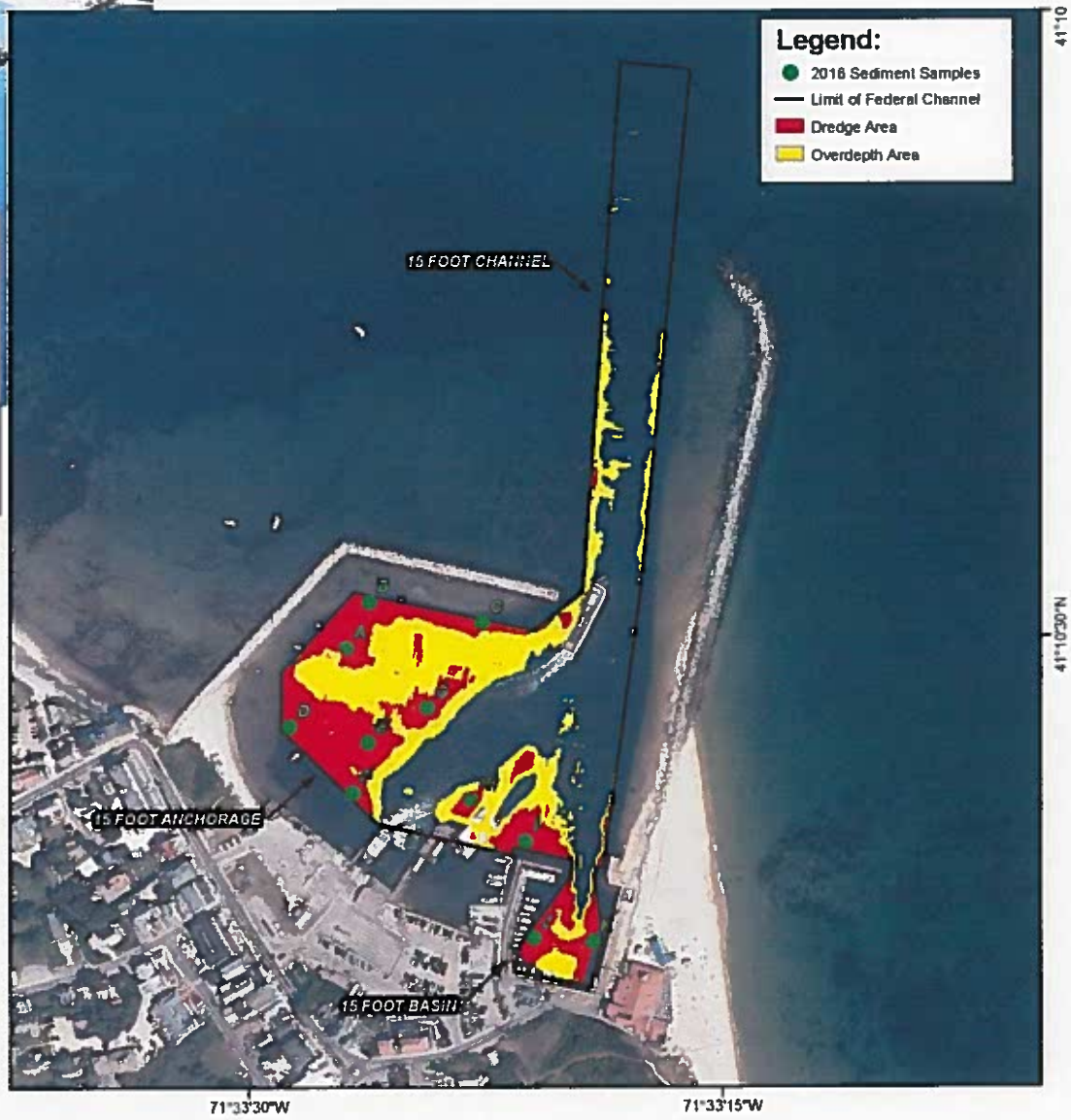
Haul Distance: 6 miles

Block Island Harbor of Refuge

- Project Depth: 15' MLLW
- Last Dredged: 2017
- Quantity: 10,000 cy
- Material Type: Sand
- Equipment Type: Government Dredge Currituck
- Disposal Site: Nearshore off Beach
- Haul Distance: 1 mile
- Estimated Start June 1, 2019

Corps of Engineers
New England District

Block Island HOR – Anchorage & Basin



Project Depth: 15' MLLW

Last Dredged: 2000

Quantity: 20,000 cy

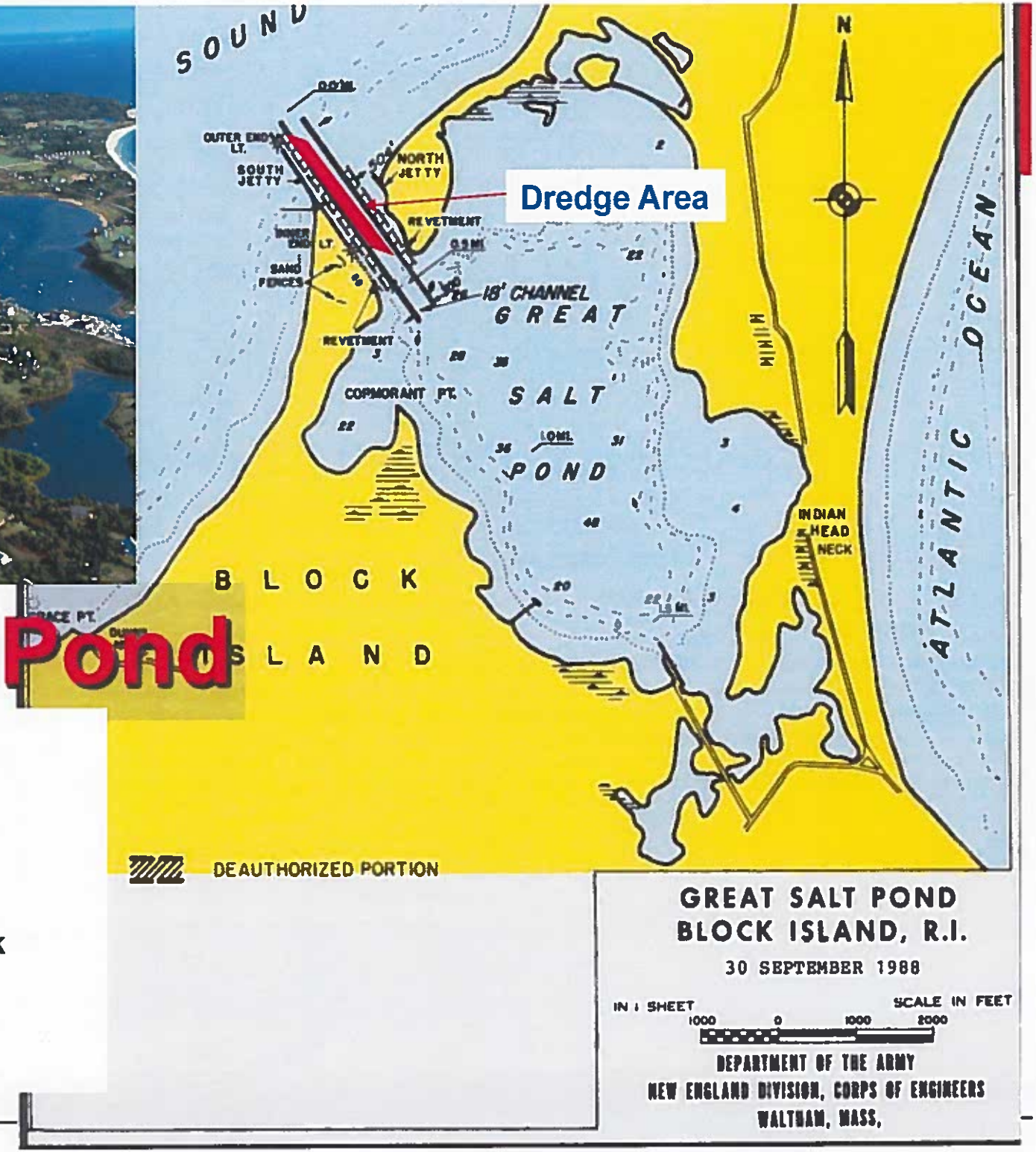
Material Type: Fine Sand

Equipment Type: Mechanical

Disposal Site: TBD - Nearshore off Beach

Haul Distance: 1 mile

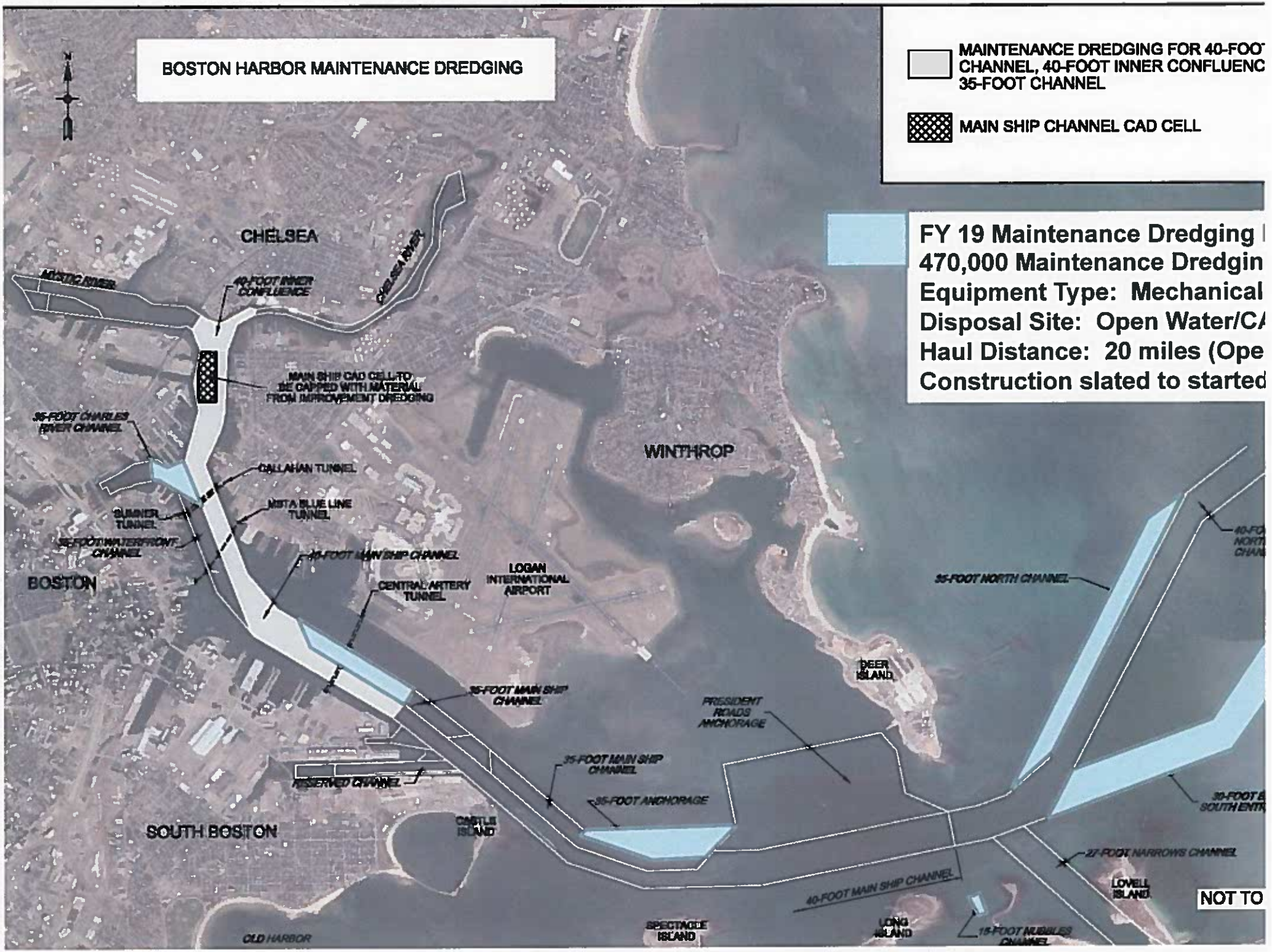
Estimated Start Nov 1, 2019



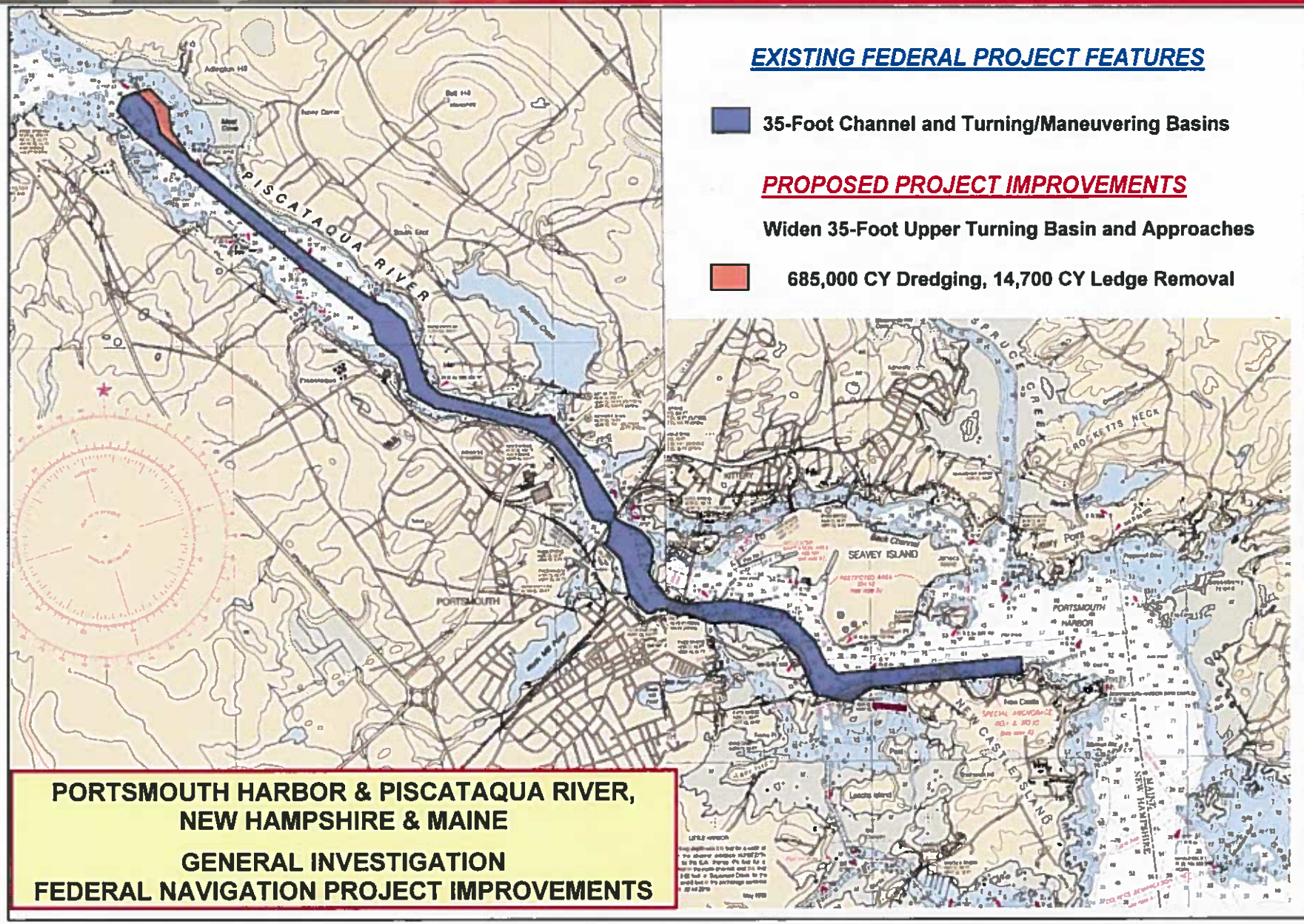
Great Salt Pond

- Channel Dredging
- Project Depth: 18' MLLW
- Last Dredged: 2016
- Quantity: 10,000cy
- Material Type: Sand
- Equipment Type: Currituck

- Disposal Site: Nearshore


BOSTON HARBOR MAINTENANCE DREDGING
MAINTENANCE DREDGING FOR 40-FOO
CHANNEL, 40-FOOT INNER CONFLUENC
35-FOOT CHANNEL
MAIN SHIP CHANNEL CAD CELL
FY 19 Maintenance Dredging
470,000 Maintenance Dredgin
Equipment Type: Mechanical
Disposal Site: Open Water/CA
Haul Distance: 20 miles (Ope
Construction slated to started
CHELSEA
MYSTIC RIVER
40-FOOT INNER CONFLUENCE
CHELSEA RIVER
MAIN SHIP CAD CELL TO BE CAPPED WITH MATERIAL FROM IMPROVEMENT DREDGING
35-FOOT CHARLES RIVER CHANNEL
CALLAHAN TUNNEL
MBTA BLUE LINE TUNNEL
SUMNER TUNNEL
35-FOOT WATERFRONT CHANNEL
40-FOOT MAIN SHIP CHANNEL
BOSTON
CENTRAL ARTERY TUNNEL
LOGAN INTERNATIONAL AIRPORT
WINTHROP
35-FOOT NORTH CHANNEL
35-FOOT MAIN SHIP CHANNEL
PRESIDENT ROADS ANCHORAGE
DEER ISLAND
RESERVED CHANNEL
35-FOOT MAIN SHIP CHANNEL
35-FOOT ANCHORAGE
SOUTH BOSTON
CASTLE ISLAND
27-FOOT NARROWS CHANNEL
40-FOOT MAIN SHIP CHANNEL
LOVELL ISLAND
OLD HARBOR
SPECTACLE ISLAND
LONG ISLAND
15-FOOT NUBBLES CHANNEL
NOT TO

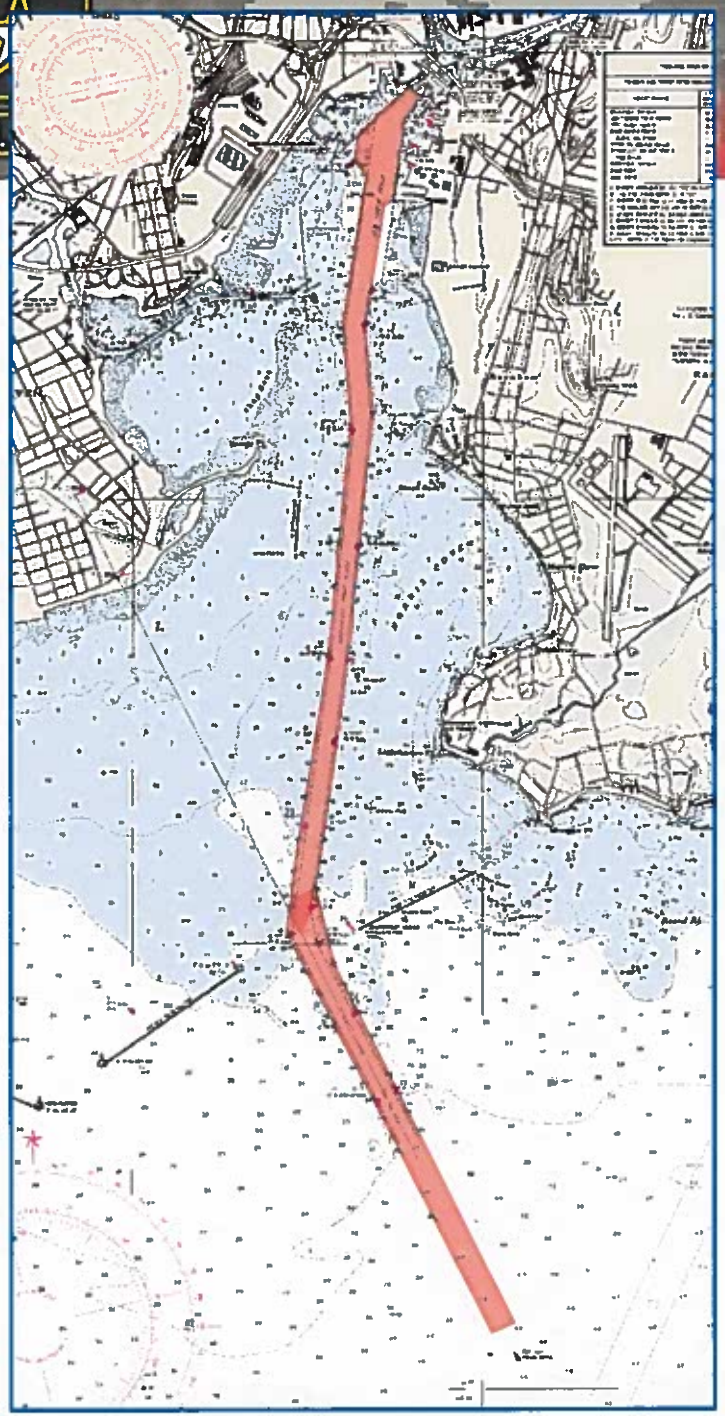
Future Work



**PORTSMOUTH HARBOR & PISCATAQUA RIVER,
NEW HAMPSHIRE & MAINE**

**GENERAL INVESTIGATION
FEDERAL NAVIGATION PROJECT IMPROVEMENTS**

New Haven Harbor, CT Improvement Study



- Deepen the -35-Foot Channel and Turning Basin to -40 Feet for 6.5 Miles
- Widen the 400-Foot Wide Inner Channel to 500 Feet
- Widen the 500-Foot Wide Entrance Channel to 650 feet
- Widen the Channel Bend at the Breakwaters
- Widen the Turning Basin and Shift Upstream
- 40-Foot Alternative would Require Dredging 4,500,000 CY and 55,000 CY of Rock Removal
- Maintenance Dredging of up to 800,000 CY of Shoal Silt may be Concurrent

New Haven Harbor Improvement Project Potential Placement and Beneficial Use Alternatives