SUPERFUND

SITE UPDATE

New Bedford Harbor New Bedford, MA

U.S. EPA | HAZARDOUS WASTE PROGRAM AT EPA NEW ENGLAND

THE SUPERFUND PROGRAM *protects human health and the environment by investigating and cleaning up often-abandoned hazardous waste sites and engaging communities throughout the process. Many of these sites are complex and need long-term cleanup actions. Those responsible for contamination are held liable for cleanup costs. EPA strives to return previously contaminated land and groundwater to productive use.*

SITE DESCRIPTION:

Dredging of the Upper New Bedford Harbor continues in 2018. Prior to the start of the full-scale dredging program in 2004, EPA and the Army Corps of Engineers performed multiple targeted cleanup actions within the harbor and along the shoreline that removed some of the highest levels of PCB contamination, known as "Hot Spot" areas. Approximately 425,000 cubic yards of PCB-contaminated sediment has been addressed in the Upper Harbor as required by the 1998 cleanup plan as of December 2017, including dredging and off-site disposal. Mechanical dredging of approximately 220,000 cubic yards has been completed in the Upper and Lower Harbor, followed by disposal in the Lower Harbor CAD Cell. Additionally, about 25,000 cubic yards of contaminated shoreline sediment was dredged and disposed of off-site through the end of 2017.

SITE ACTIVITIES

LOWER HARBOR/CAD CELL:

- Work under the $14.9 million contract with Cashman Dredging and Marine Contracting began in September 2017 and is expected to conclude in the spring of 2018. Approximately 130,000 to 170,000 cubic yards of dredge material exceeding the cleanup level will be removed and placed in the Lower Har¬bor CAD Cell under this contract. About 100,000 cubic yards of this dredging was completed in 2017; work is proceeding ahead of schedule. Areas completed in the Lower Harbor by the end of 2017 are shown in green on the attached figure. In 2018, contaminated material will be placed in the Lower Harbor CAD Cell from the area north of I-195, including the Upper Harbor.

- The hours of operation will be unrestricted, Monday-Saturday. Disposal of material in the Lower Harbor CAD Cell is only allowed 6am-10pm. Maintenance will be allowed on Sundays.

SHORELINE CLEANUP:

- Remediation of certain PCB-contaminated areas along the northern and northwestern shoreline of the Marsh Island peninsula began in August 2017 and was

continued on reverse >

KEY CONTACTS:

DAVE LEDERER
U.S. EPA
Project Manager
(617) 918-1325
lederer.dave@epa.gov

ZANETTA PURNELL
U.S. EPA
Community Involvement Coordinator
(617) 918-1306
purnell.zanetta@epa.gov

PAUL CRAFFEY
MassDEP
(617) 292-5591
paul.craffey@state.ma.us

GENERAL INFO:

EPA NEW ENGLAND
5 Post Office Sq.,
Suite 100
Boston, MA 02109-3912

TOLL-FREE CUSTOMER SERVICE
1-888-EPA-7341

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completed in November 2017. Approximately 2,500 cy of contaminated shoreline sediment was removed and disposed at an approved offsite landfill, after being stabilized with Portland cement at EPA's Sawyer Street facility. The impacted shoreline areas were backfilled with clean sand and topsoil, then restored with native saltmarsh plantings.

- In 2018, shoreline remediation is scheduled to begin at three areas: a) the North Street Salt Marsh in Fairhaven; b) the shoreline between the Coggeshall Street and I-195 bridges in Fairhaven and c) the shoreline area south of the Main Street bridge in Acushnet.
- In early summer 2018, the temporary construction fencing at Riverside Park will be removed, allowing public access to the recently remediated shoreline. The purpose of the temporary fencing is to allow the newly planted vegetation a chance to get established prior to this public access.
- EPA worked with the City of New Bedford to amend Chapter 15 of the City's Licenses and Permit Ordinance so that for any notice to the Conservation Commission for work proposed north of the southerly terminal of the hurricane barrier and within one hundred feet of a coastal wetland resource area protected under the Massachusetts Wetland Protection Act and corresponding regulations, a copy of the notice shall also be sent to EPA. The measure will allow coordination between parties engaged in shoreline development and EPA's Superfund Program, to facilitate development that is not inconsistent with the Superfund cleanup.

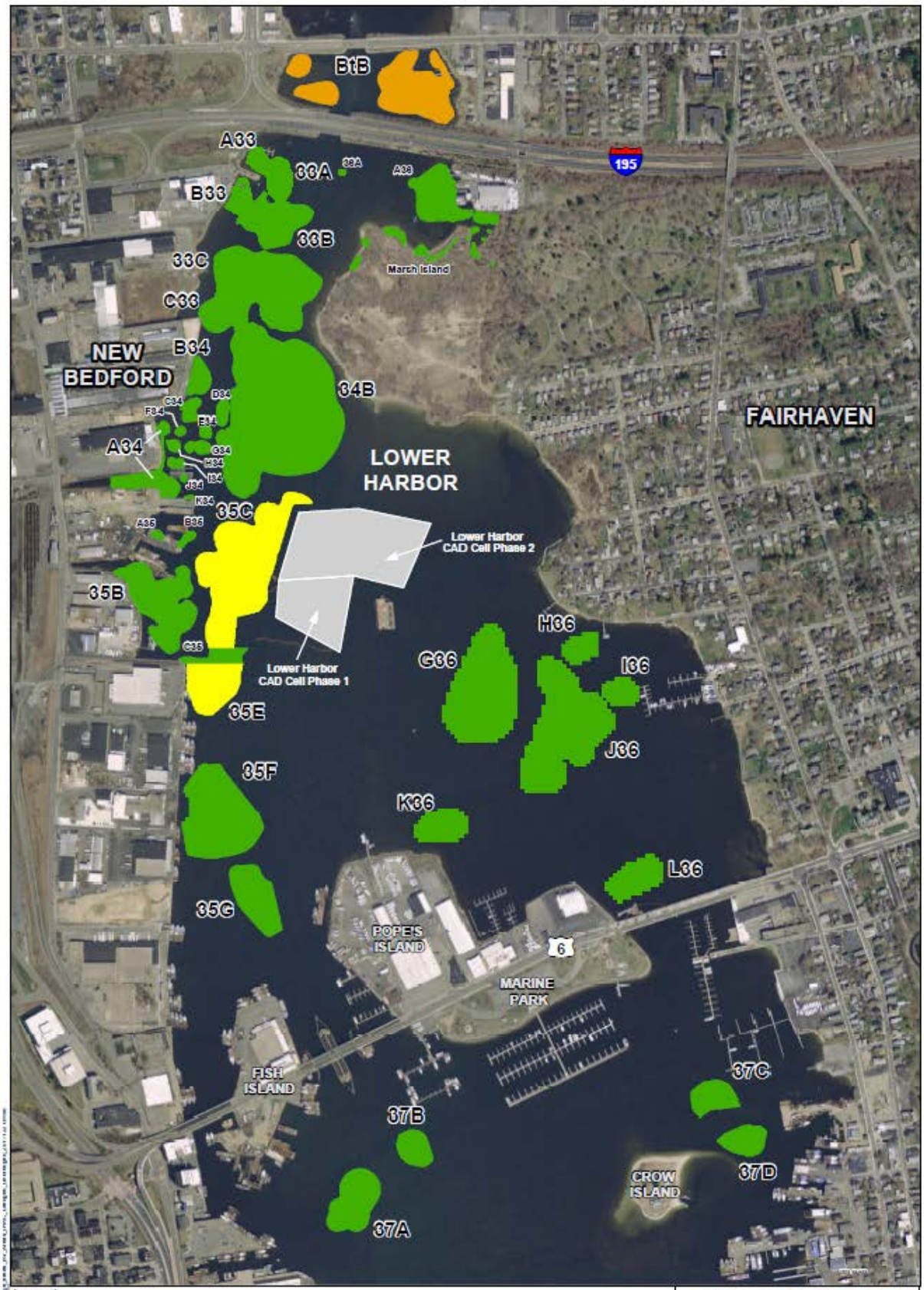
UPPER HARBOR CLEANUP:

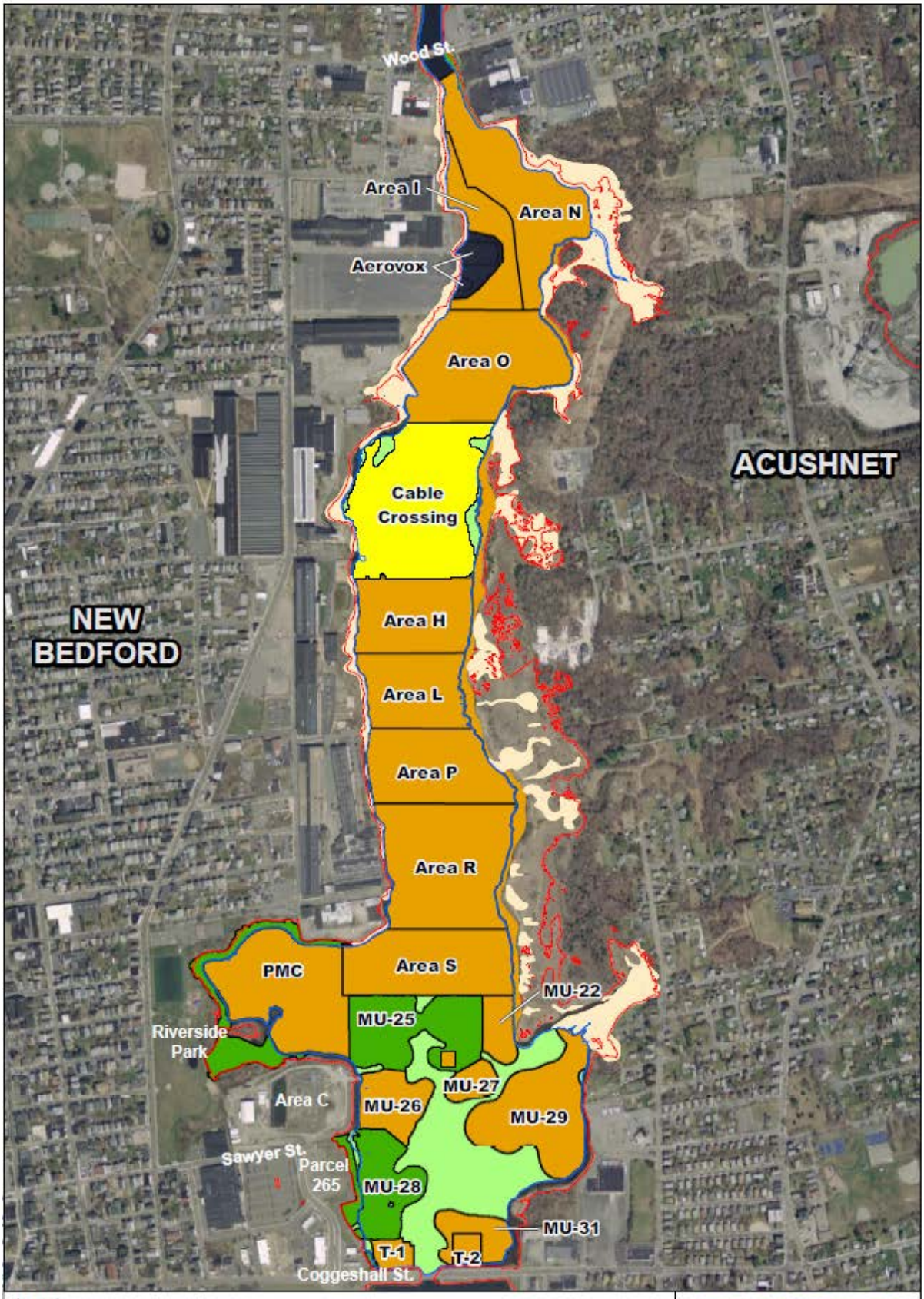
- Remediation of high PCB level subtidal contamination in the Upper Harbor resumed in October 2017. About 50,000 cubic yards of contaminated sediment from the "Cable Crossing" area of the Upper Harbor is expected to be removed by the spring of 2018; about 19,000 cubic yards has been dredged so far. Work is currently suspended in the Upper Harbor due to extensive ice cover and will resume in the spring.
- Dredging in the Upper Harbor is now accomplished with new equipment designed to achieve high levels of precision in sediment removal. Sediment generated from the dredging is dewatered and transported by train to a licensed PCB landfill in Michigan.

AEROVOX SHORELINE:

Soils and groundwater contaminated with high levels of PCBs and volatile organic compounds (VOCs) at the Aerovox Site on Belleville Avenue are being addressed by the Commonwealth's cleanup program in conjunction with AVX Corp. These same compounds have been found in an area of the Harbor shoreline adjacent to the Aerovox Site. EPA's dredging of shoreline sediments at Aerovox cannot proceed until the AVX remedy at Aerovox is completed several years in the future. This spring, EPA will place an interim sediment cap (soil material with high organic carbon content) over these shoreline sediments to limit migration of contaminants into the river. The interim cap will allow EPA's dredging of the northern part of the Upper Harbor to proceed in 2018, while protecting the river from recontamination. The Superfund remedy for the cleanup of this shoreline area remains the same and will be accomplished once source control is achieved at Aerovox.

Newly cleaned shoreline at Marsh Island before backfilling and replanting of native vegetation, looking towards New Bedford across the Harbor. September 2017.


B1B
A33
33A
A33
B33
33B
33C
C33
March Island
NEW BEDFORD
B34
34B
FAIRHAVEN
A34
LOWER HARBOR
35C
Lower Harbor CAD Cell Phase 2
35B
H36
G36
I36
Lower Harbor CAD Cell Phase 1
35E
J36
35F
K36
L36
35G
POPE'S ISLAND
6
MARINE PARK
FISH ISLAND
37C
37B
37D
CROW ISLAND
37A
195
Legend
EPA CAD Cell
Dredging to be Completed
Dredging Completed
Dredging in Progress
N
0 275 550
Feet
1:6,600
Aerial Photography MASSGIS 2014
JACOBS
Lower Harbor Dredge Areas by Contract
New Bedford Harbor Superfund Site
Date: 12/21/2017
Figure


Wood St.
Area I
Area N
Aerovox
Area O
Cable Crossing
ACUSHNET
NEW BEDFORD
Area H
Area L
Area P
Area R
PMC
Area S
MU-22
MU-25
Riverside Park
MU-27
Area C
MU-26
MU-29
Sawyer St.
Parcel 265
MU-28
MU-31
T-1
T-2
Coggeshall St.
Legend
Final pass dredging not complete
Dredging in progress
Dredging Completed
No Remediation Required
Intertidal Dredging to be Completed
MLLW
MHHW
Aerial Photography MASSGIS 2014
DRAFT
0 300 600
Feet
1:7,200
N
JACOBS
Upper Harbor Dredge Areas
(Management Units)
New Bedford Harbor Superfund Site
Figure 1