

Welcome to the Environmental Protection Agency (EPA)

New Bedford Harbor Superfund Site Virtual Public Meeting

July 29, 2020

6:00PM – 7:30PM

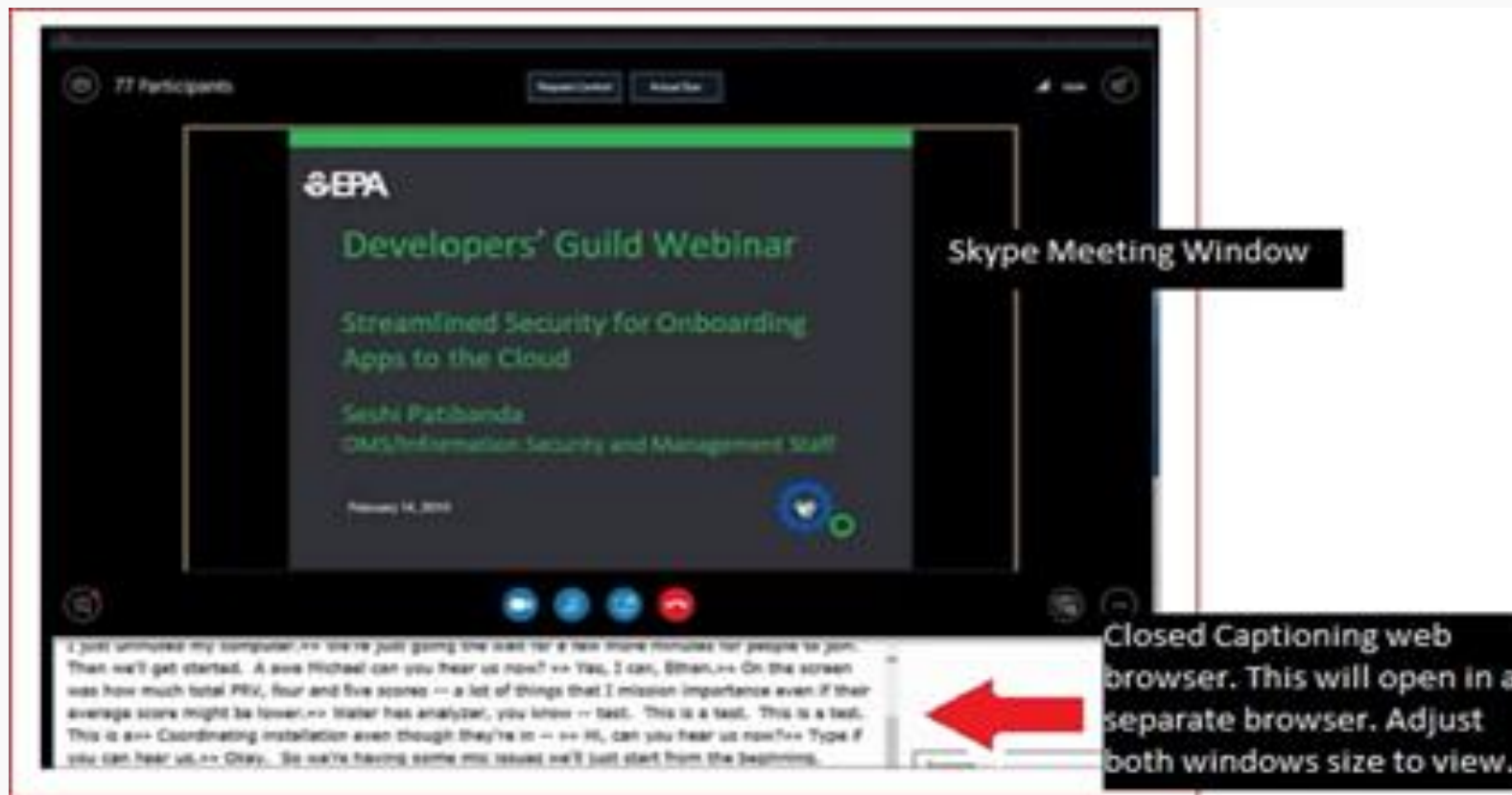


Virtual Meeting Participant Instructions



Closed Captioning

- The Closed Captioning Screen will appear as such:



The image shows a Skype meeting window. The main content is a slide from EPA titled "Developers' Guild Webinar" with the subtitle "Streamlined Security for Onboarding Apps to the Cloud" and speaker "Seshi Patibanda, CMO, Information Security and Management Staff". The date is February 14, 2019. At the bottom of the slide are social media icons for Twitter and LinkedIn. A "Skype Meeting Window" label points to the window's border. Below the slide, a closed captioning window is visible, containing text: "I just unhooked my computer... we're just going to wait for a few more minutes for people to join. Then we'll get started. A: Michael can you hear us now? Y: Yes, I can, Ethan. On the screen was how much total PEV, four and five scores -- a lot of things that I mission importance even if their average score might be lower. Water has analyzer, you know -- test. This is a test. This is a test. This is a test. Coordinating installation even though they're in -- Hi, can you hear us now? Type if you can hear us. Okay... So we're having some mic issues we'll just start from the beginning." A red arrow points from the captioning window to the right. A "Closed Captioning web browser. This will open in a separate browser. Adjust both windows size to view." label points to the captioning window.



Site Team Introductions

- David Lederer
 - EPA New Bedford Harbor (NBH), Team Leader
- David Dickerson
 - EPA, NBH Remedial Project Manager
- Natalie McClaine
 - EPA, NBH Remedial Project Manager
- ZaNetta Purnell
 - EPA, Community Involvement Coordinator
- Paul Craffey
 - Massachusetts Department of Environmental Protection (MADEP), Project Manager



Agenda:

1. Participant Instructions for Virtual Public Meeting
2. Subtidal Dredging
 - Now complete in the Upper and Lower Harbor
3. Decontamination/ Demobilization
 - Desanding and Dewatering plant decontamination underway
4. Intertidal
 - Project-wide approximately 45% complete by volume. Two Upper Harbor Areas to be underway in 2020
5. Capping in the Upper Harbor
 - Expected start in late Summer 2020

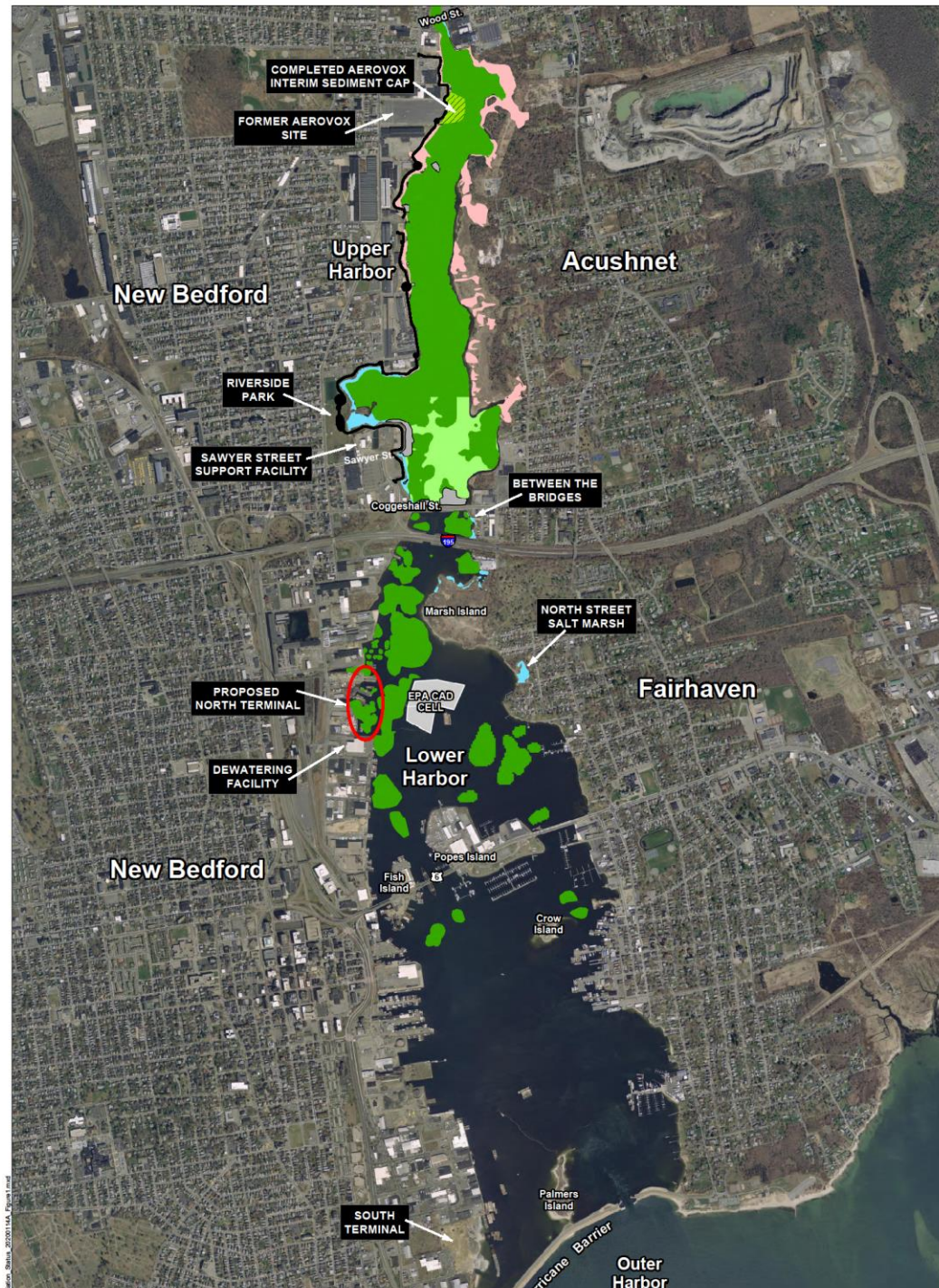


SUBTIDAL DREDGING

DAVID LEDERER
EPA NBH TEAM LEADER

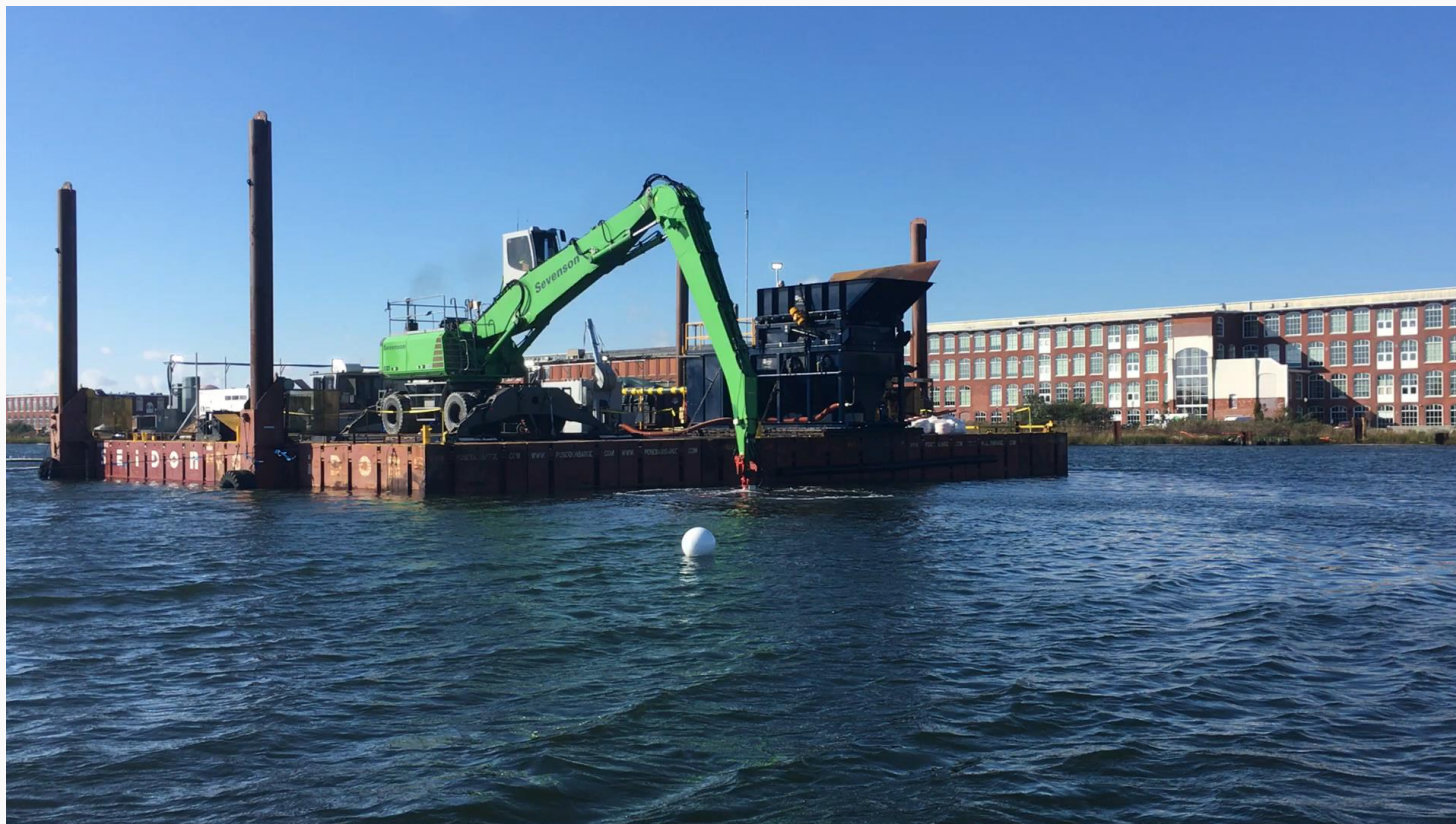
**All Subtidal
Dredging is now
Complete.**

**Remaining
Cleanup is in
Intertidal
(Shoreline)
Areas
(pink)**





Subtidal Dredging: Hybrid Dredging followed by Desanding/Dewatering, and Off-Site Disposal in Secure Landfill





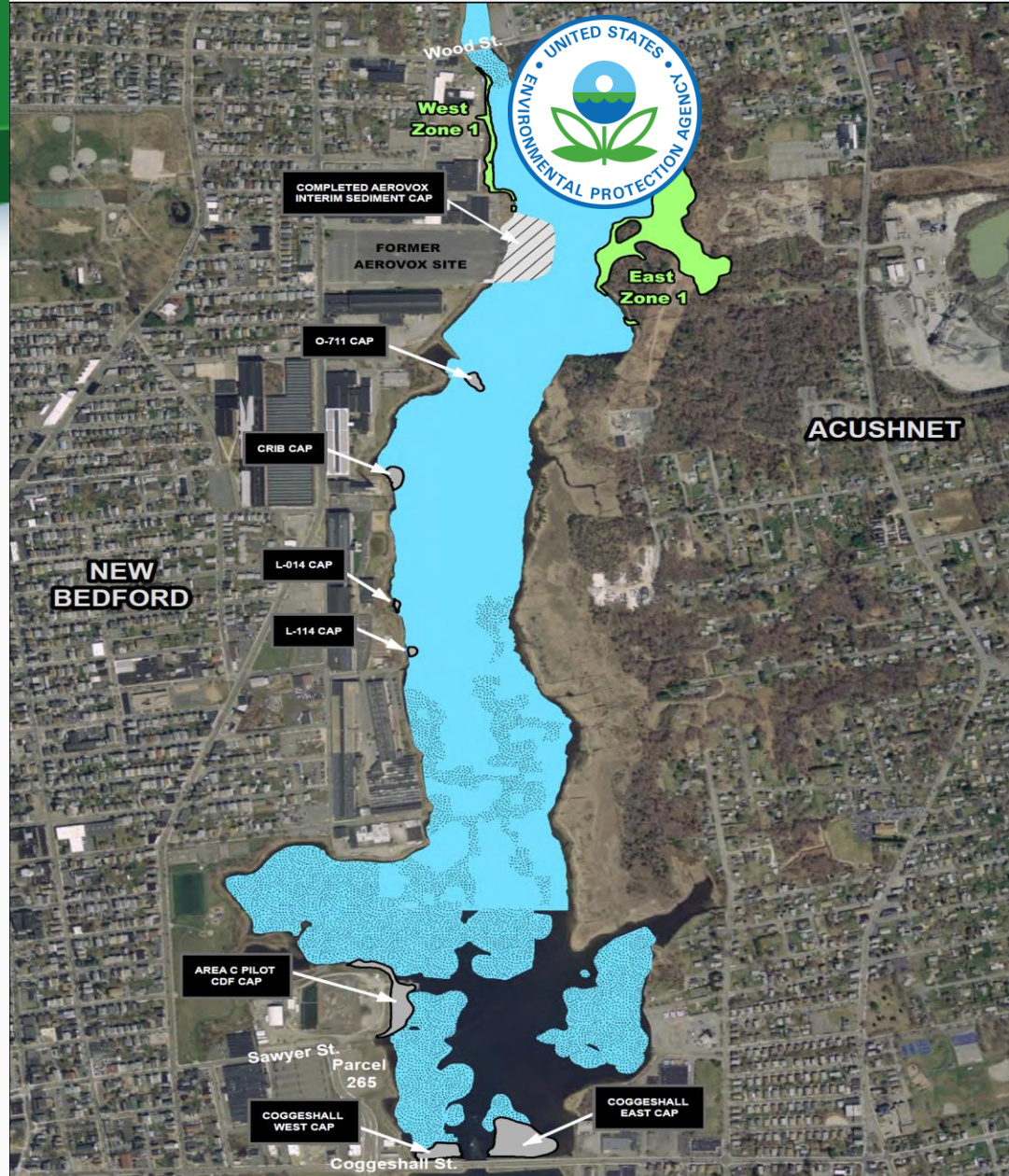
Subtidal Dredging Mechanical Dredging Followed by Lower Harbor CAD Cell Placement



Subtidal
Dredging
Complete
in
BLUE Areas

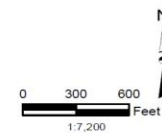
Shoreline
Intertidal
Cleanup
under way
in

GREEN Areas



Legend

- Completed Subtidal Hybrid Dredging
- Completed Subtidal CAD Cell Dredging
- 2020 Projected Intertidal Remediation Zones
- Completed Aerovox Interim Sediment Cap
- Sediment Capping Areas



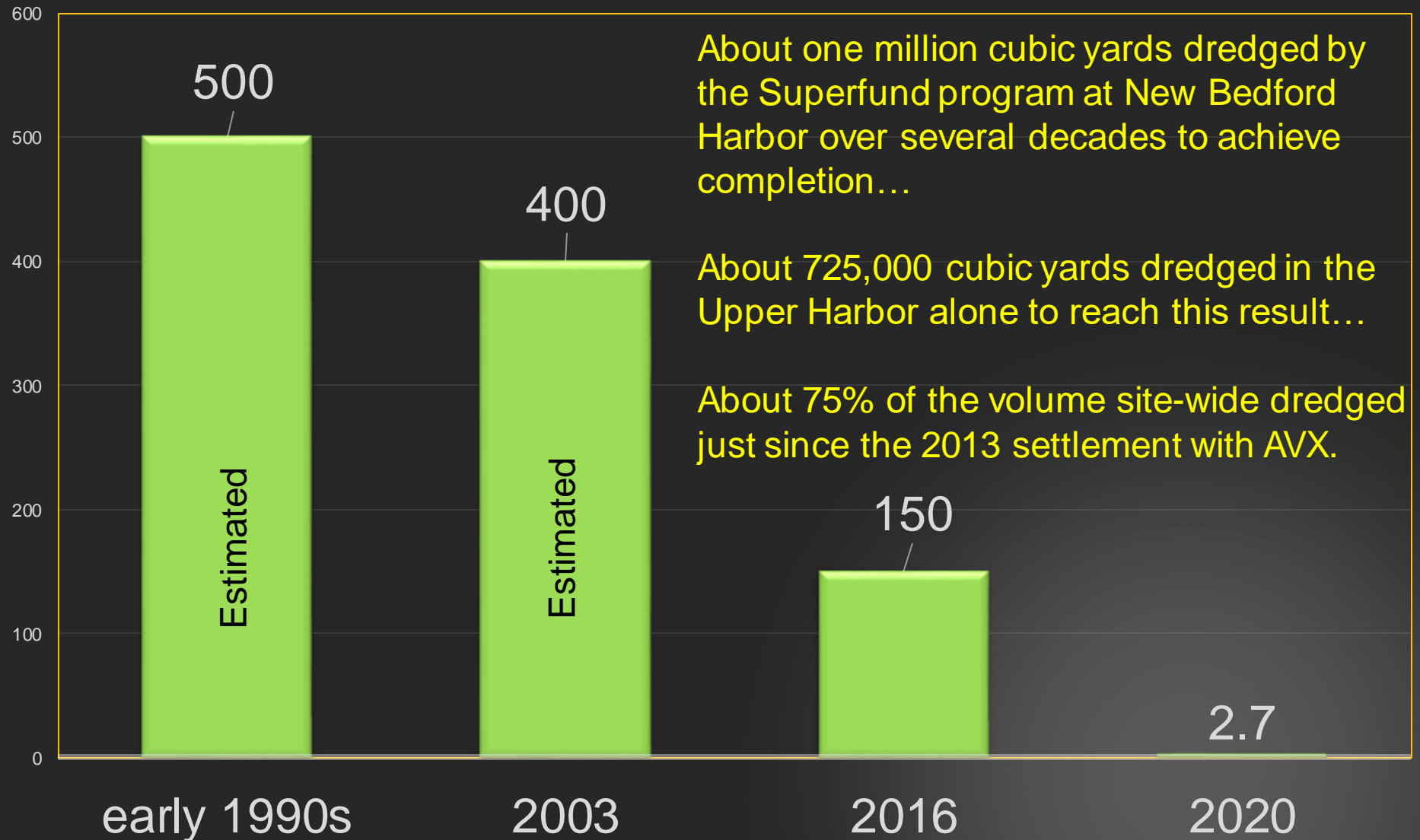
JACOBS

10
Upper Harbor
Overview Map

New Bedford Harbor Superfund Site

NAME: jgroulx Date: 5/2/2020 Figure 1

Estimated Upper Harbor Subtidal Sediment Average PCB Concentration(mg/kg); excludes cap areas





Air Monitoring

Ongoing air monitoring during remedial activities

Data posted to the NBH website at

<http://epa.gov/nbh>



Environmental Topics

Laws & Regulations

About EPA

EPA Cleanups: Communities around Bedford Harbor

EPA Air Monitoring Data (OU1)

- [Air Monitoring Data Status as of December 2018 \(PDF\)](#)

(5 pp, 1.9 MB, [About PDF](#))



1

2

3

4

12



2020 Activities

- **Ongoing:** Decontamination and demobilization of equipment and former Dewatering Plant structure;
 - Expected completion end of 2020.
- **Ongoing:** Decontamination and demobilization of Desanding facility at 103 Sawyer Street (across from Market Basket); eastern portion of property will continue to be utilized for intertidal remediation operations
 - Expected completion end of 2020.
- **Ongoing:** Cleanup at two shoreline intertidal areas, East Zone-1, and West Zone-1 at the northern end of the Upper Harbor underway.
- **Ongoing:** Construction of Upper Harbor Caps at seven locations to be accomplished by the end of 2020.
 - Expected completion 2020.
- **Ongoing:** Long Term Monitoring Survey to be completed of Upper, Lower, and Outer Harbor, latest in series of surveys performed about every 5 years since 1993.



DEMOBILIZATION AND DECONTAMINATION OF THE DESANDING AND DEWATERING FACILITIES

**NATALIE MCCLAINE
EPA REMEDIAL PROJECT MANAGER**

1. Dredging



2. Desanding



3. Dewatering



The Four D's of Dredging
(Upper Harbor)

4. Disposal via rail





Desanding Building Decontamination and Decommissioning

- Removal of government and contractor trailers and offices
- Soil sampling of the area
- Ongoing use of eastern portion of Site





Dewatering Building Decontamination and Decommissioning

- Working water front property with bulkhead
- Transferring property to the City of New Bedford







SHORELINE / INTERTIDAL REMEDIATION AND THE PLACEMENT OF UPPER HARBOR CAPS

**DAVID DICKERSON
EPA REMEDIAL PROJECT MANAGER**

Five Shoreline Cleanups 2016 to 2018

North Street Salt Marsh

Marsh Island

Between the Bridges

Parcel 265

Pierce Mill Cove



Now being remediated:
“East Zone 1”
Construction started
April 2020.



EZ1 excavation in progress,
looking south



Excavation in progress,
north end of EZ1



Excavated soil/sediment
is trucked offsite to a
licensed TSCA landfill





Excavation and clean backfill complete, ready for saltmarsh plantings



Saltmarsh restoration taking shape



Saltmarsh restoration taking shape





Before and After Soil PCB Levels* (ppm)

	<u>Before Excavation</u>	<u>After Excavation, Prior to Backfill</u>	<u>After Excavation, After Backfill</u>
Top foot average	1,427	1.8	0.01 (ND)
Top foot maximum	21,000	8	0.01 (ND)

* Data from first two of four EZ1 parcels





Aerovox

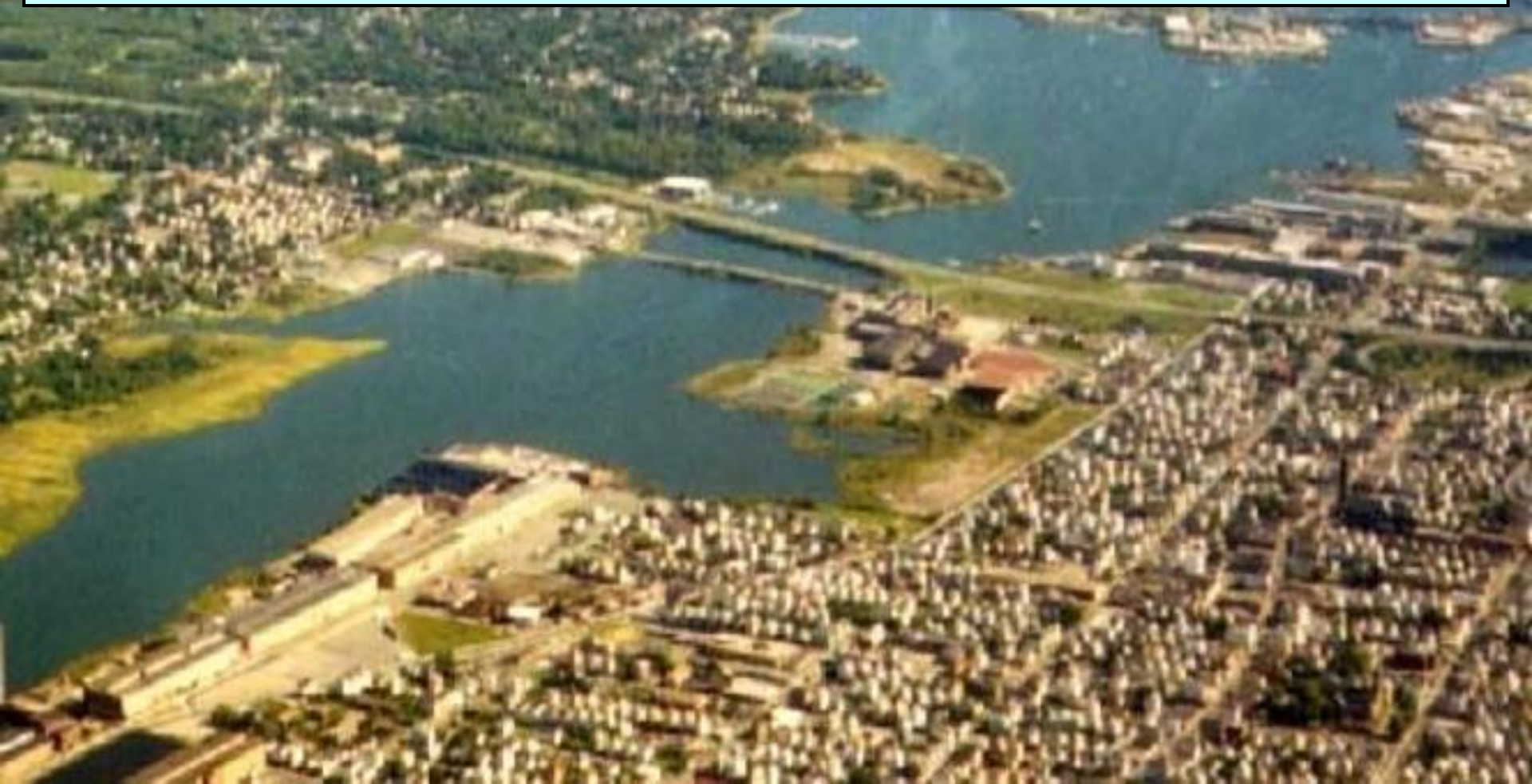
Next Up: **“West Zone 1”**

Remediation to start
late summer 2020.



Upper Harbor Subaqueous Sediment Caps

Seven small areas where Superfund dredging was infeasible due to infrastructure, or cost-prohibitive due to deep contamination

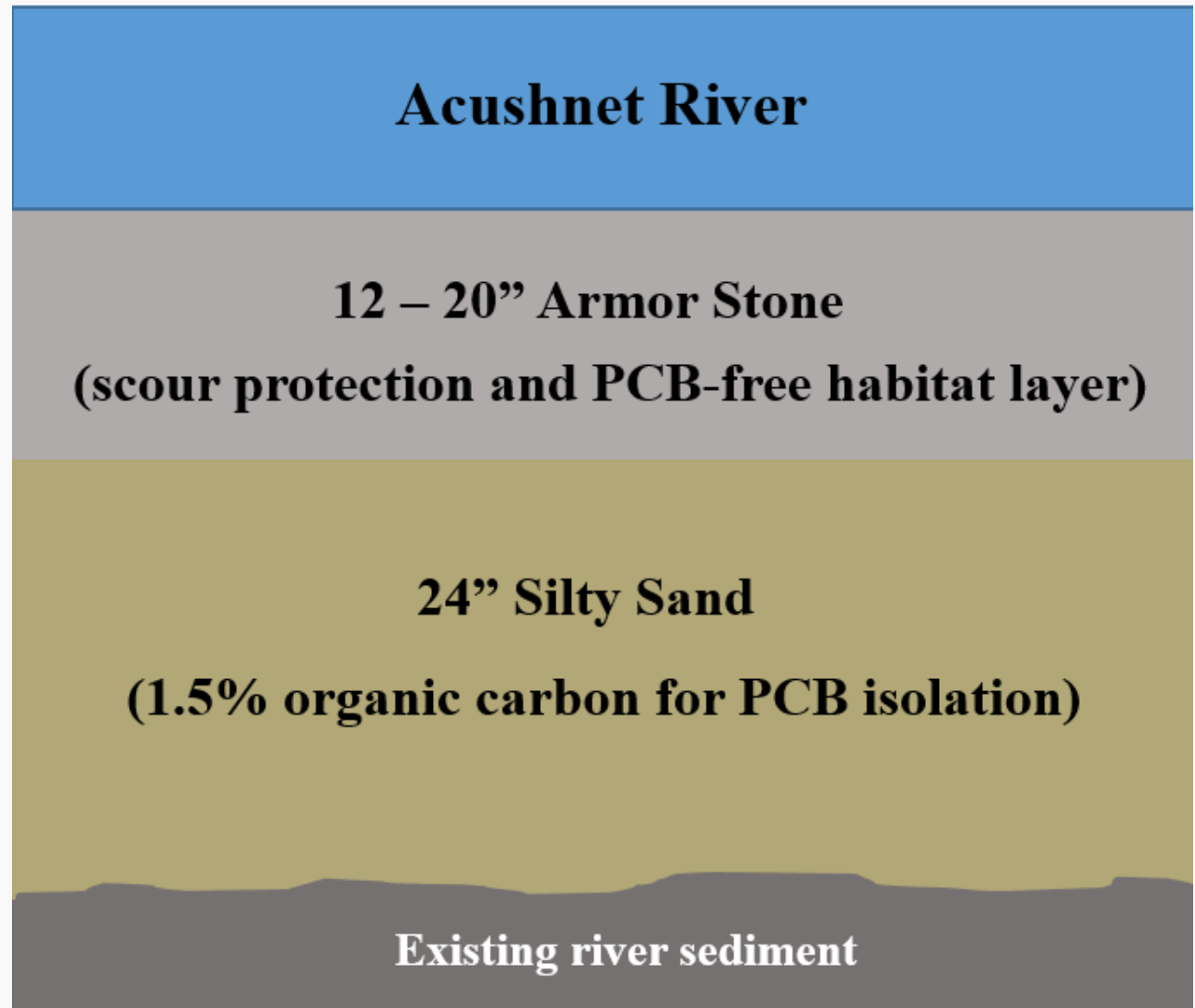




Locations of 7 sediment caps are shown in red



Two layers for upper harbor sediment caps



Other ongoing work...



Maintenance of restored saltmarshes
Shown: Pierce Mill Cove/Riverside Park



A large, faint watermark of the U.S. Environmental Protection Agency logo is centered on the page. The logo consists of a circular border containing the text "UNITED STATES" at the top and "ENVIRONMENTAL PROTECTION AGENCY" at the bottom. In the center of the circle is a stylized flower with three leaves and a scalloped petal.

LOOKING AHEAD...

DAVID LEDERER
EPA NBH TEAM LEADER



Beyond 2020

- By the end of 2020, we are projected to have completed dredging/excavation over 95% of the total volume to be addressed by the project; we will have also completed over 60% of the intertidal (shoreline) contamination by volume.
- Timing of remaining cleanup work beyond 2020 will be dependent on remaining settlement funds, and later year by year from EPA's Superfund program.



Projected for 2021

- Complete Plantings/Restoration at East Zone 1 and West Zone 1
- Long Term Monitoring (2020 survey) results to be released
- Air Monitoring in the Upper Harbor during 4 warmest months of the year
- Further Intertidal Areas May be Cleaned Up Dependent on the availability of funding.
- Monitoring of Caps installed at Aerovox and Upper Harbor



2021 and Beyond

Future Activities

- Completion of Upper Harbor Intertidal Cleanup (shoreline)
 - East Zone-2 through EZ-5 on Acushnet/Fairhaven shoreline,
 - West Zone 2 through WZ-5 on the New Bedford shoreline
- Capping of the Lower Harbor CAD Cell;
- Seafood monitoring
 - results of the continuing Seafood Monitoring program are posted on the NBH website.
- EPA's seafood advisories and outreach
- 7 Upper Harbor Interim Caps: Final status will be determined in future decision document. Monitoring data will be collected on performance in interim.
- Aerovox Interim Cap: Assess further after cleanup by responsible party under MassDEP Chapter 21E program at the adjacent former Aerovox Mill Site

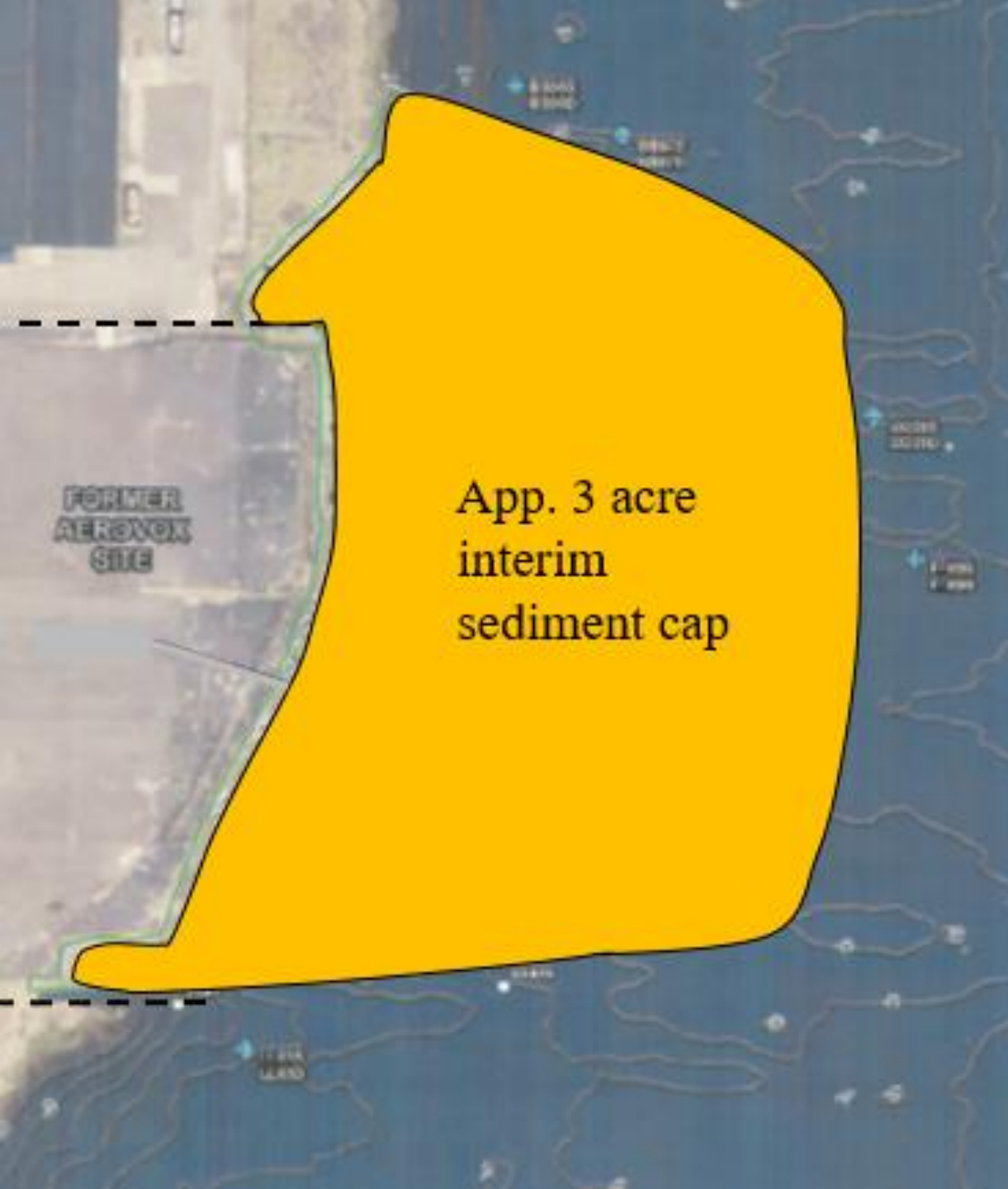


Monitoring of Aerovox Interim Sediment Cap

Note: Upland portion of former Aerovox Mill Site is being addressed under the Massachusetts MassDEP 21E Program

For More Information, see documents filed on MassDEP website:

<https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0000601>





Use Chat/Conversation box in Skype to submit Questions and Comments

If unable to view the Chat box, click on the chat icon, located on the bottom left corner from the Skype presentation, as shown

here →

