

<https://www.epa.gov/new-bedford-harbor/harbor-cleanup-plans-and-legal-administrative-records>

# New Bedford Harbor Superfund Site

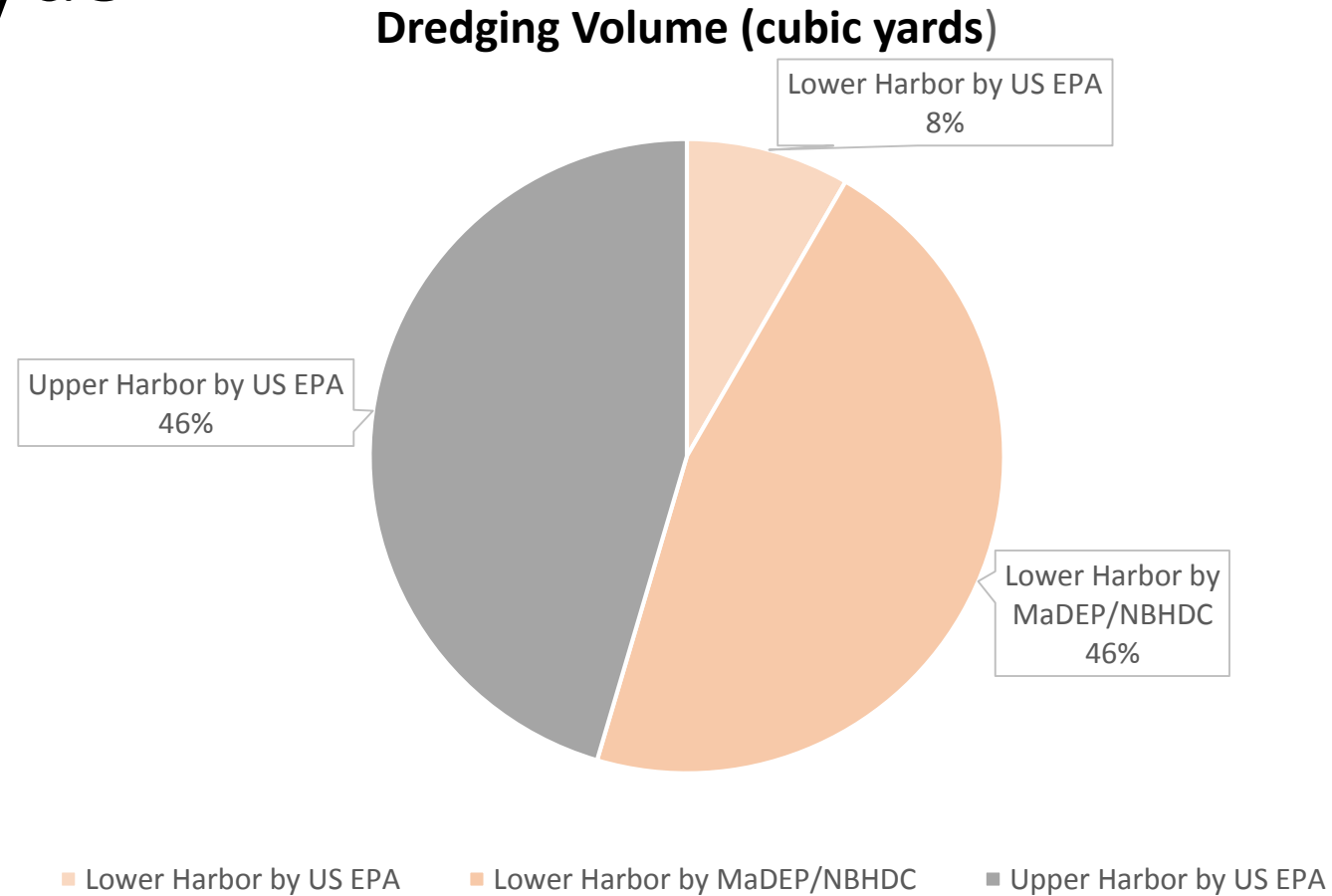
Spring 2017

David Lederer, Team Leader

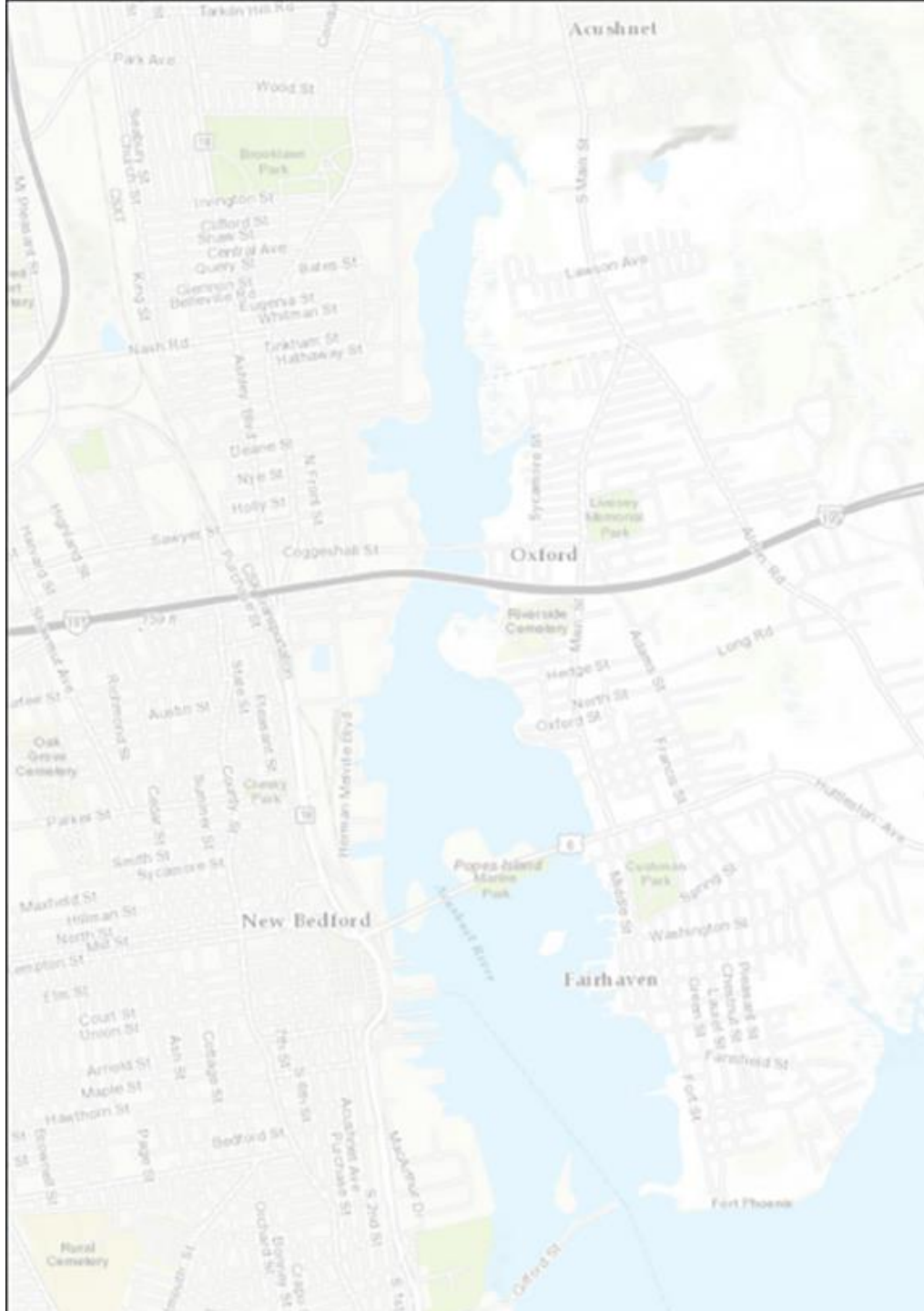
New Bedford Harbor Superfund Site

# Dredging Progress Through April 2017 by SER and US EPA (Superfund)

995,000 yd<sup>3</sup>\*



\*approximate insitu yd<sup>3</sup>



Upper Harbor area: dredging areas shown are mainly 'first pass', focusing on PCB Mass reduction;

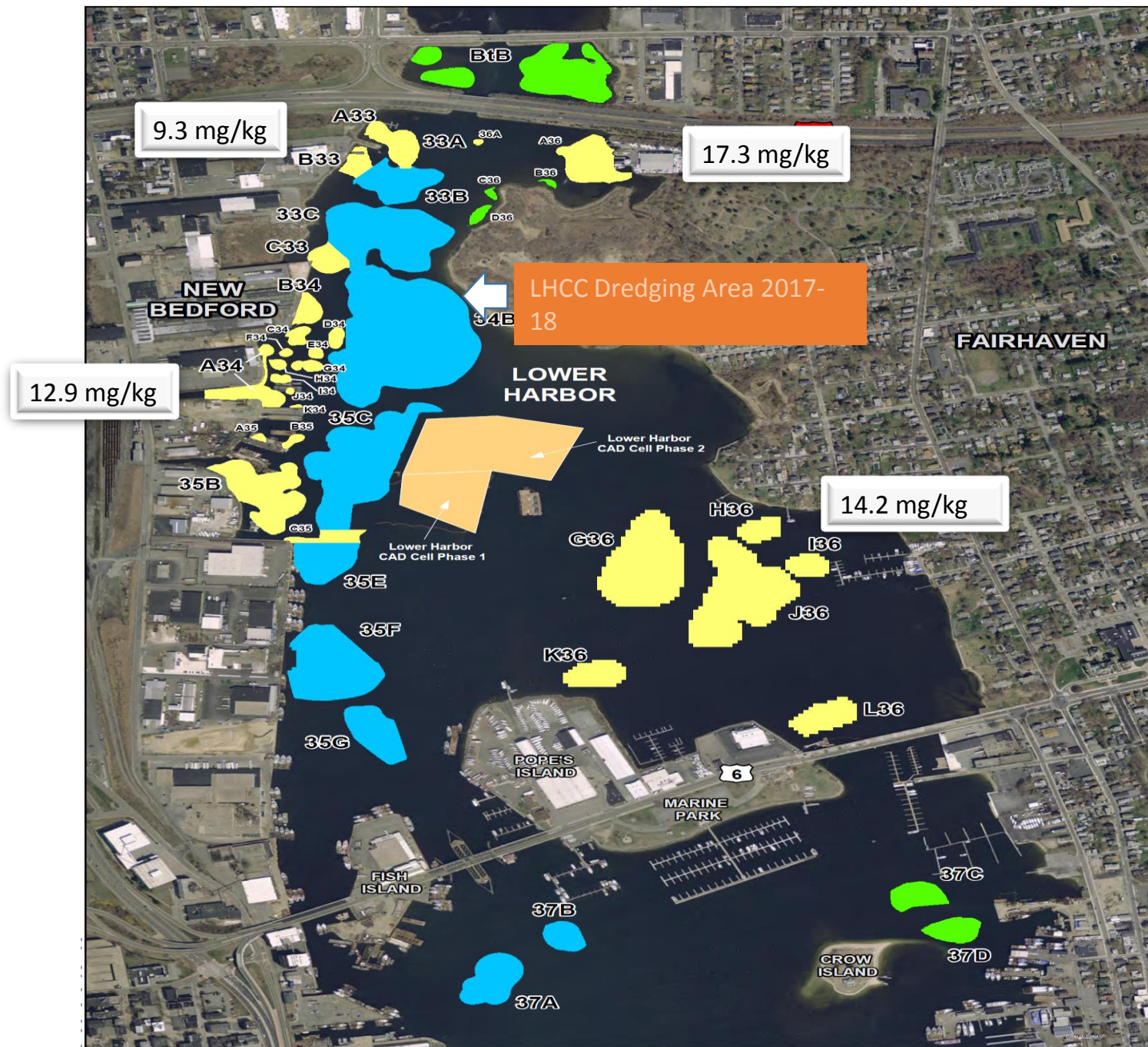
Lower Harbor areas shown as completed meet the target cleanup level at this time

Animation through summer 2017

Lower Harbor

# Lower Harbor Work in 2017

- 130,000 -170,000 cubic yards from State Channel to be dredged and disposed of in Lower Harbor CAD Cell.
- Estimated duration August 2017-Early 2018
- 24 hour dredging operation, Monday-Saturday
- Disposal at LHCC allowed 6:00am-10pm, Monday-Saturday
- No dredging allowed on Sunday, maintenance only



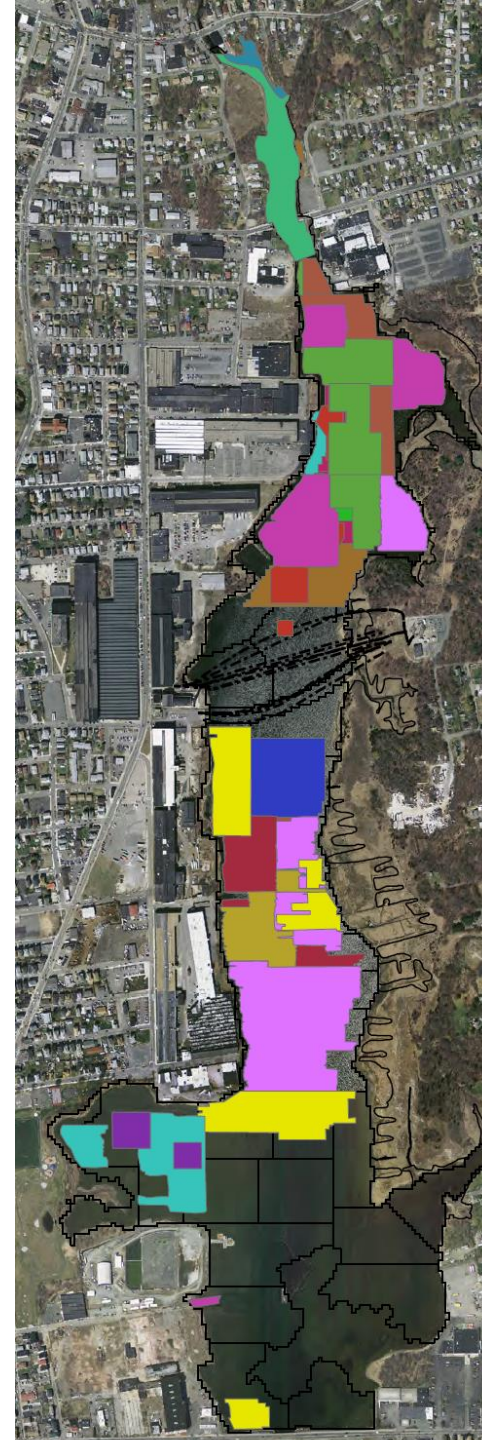
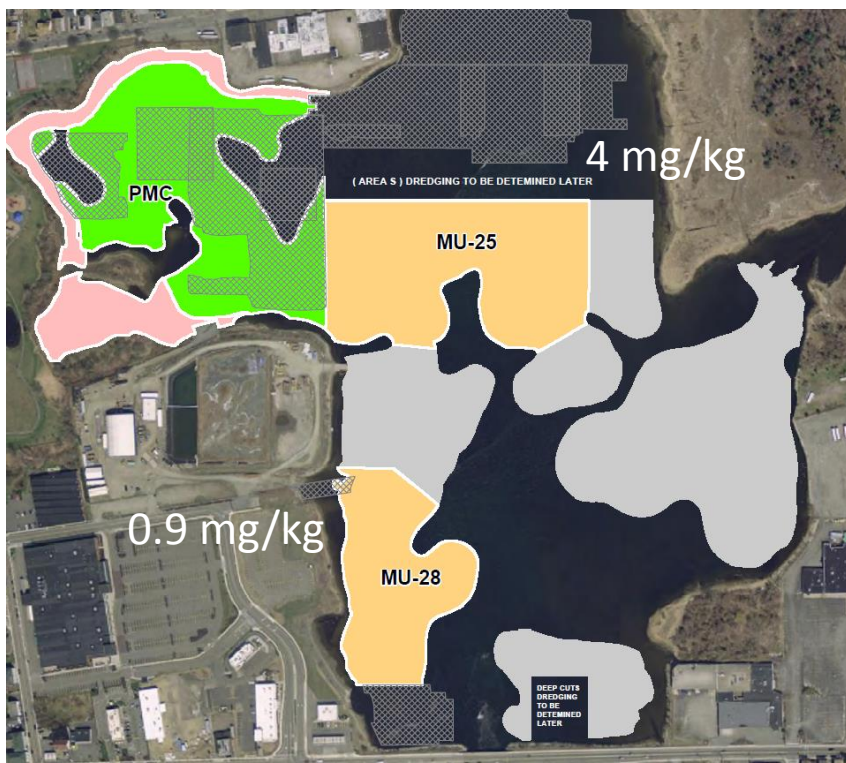
Average concentrations for confirmation sampling in each subarea completed in 2016

UPPER Harbor



# Upper Harbor Dredging 2004-2017 By EPA Superfund

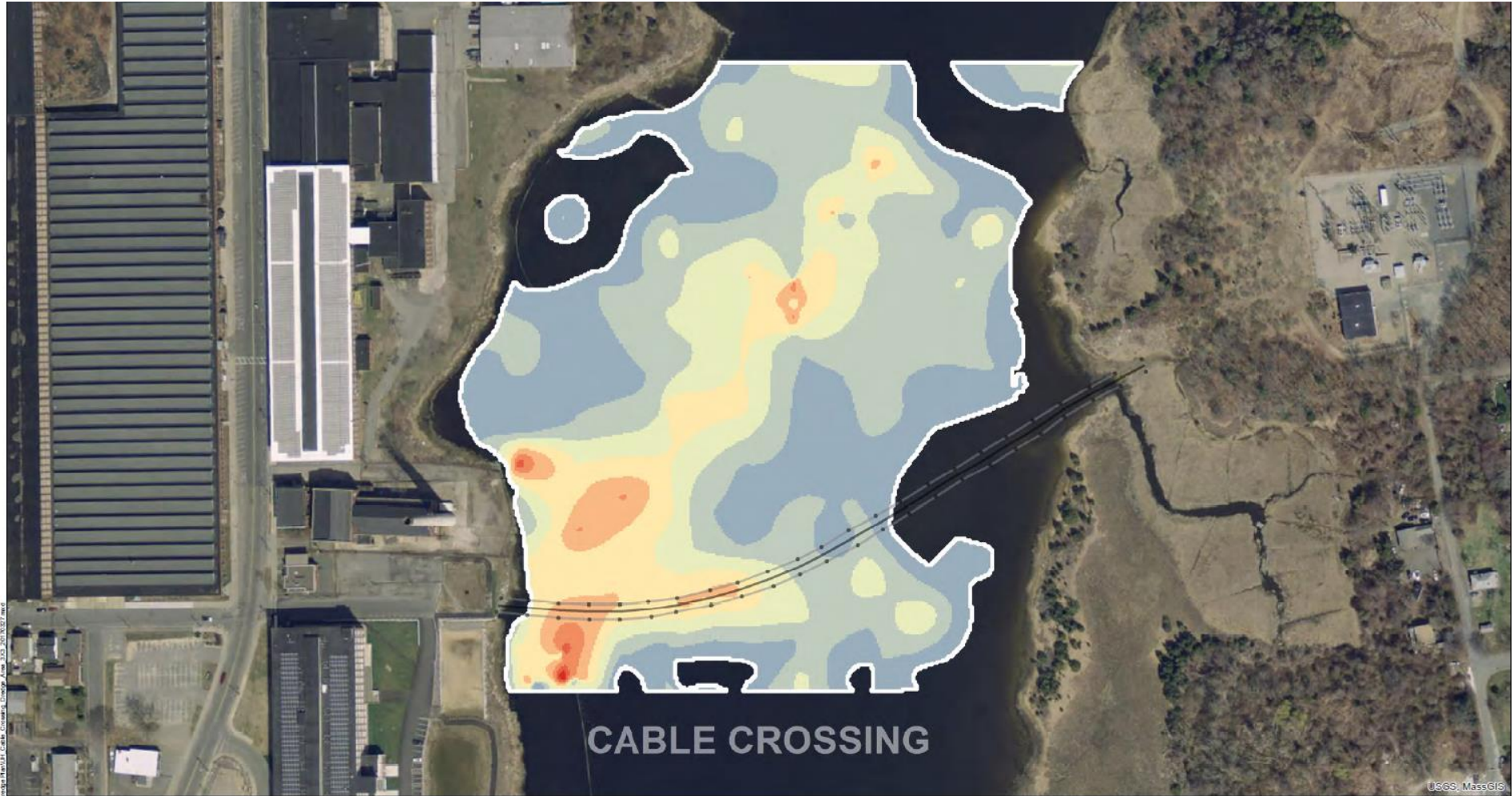
- 407,000 cubic yards off Site
- 40,000 cubic yards CAD disposal from MU-25, 28
- Reached well below 10 ppm target cleanup level



# Upcoming in 2017

- Dredging of Cable Crossing Area
- Last major sediment area in the Upper Harbor that has not had a 'first pass'
- Approximately 50,000 yd<sup>3</sup> to be dredged and disposed of off-site.





Map: V:\GIS\Projects\2017\20170327\MapDocs\UpperHarbor\11\_Cable\_Crossing\_Cut\_Depths\_Area\_303\_1010027.mxd  
 Date: 3/27/2017 10:00:00 AM

**Legend**

Thickness of Sediment to Remove, ft  
 > 4  
 3.5  
 3  
 2.5  
 2  
 1.5  
 1  
 Plan Design: RAL 30 mg/kg PCBs

• Cable Crossing Survey Point  
 — Cable Crossing Centerline  
 □ Cable Crossing Conduit

**Note:**  
 Volume Estimate in Cubic Yards = 42,089.6  
 Over-depth Volume in Cubic Yards = 55,125  
 (based on additional 6 inches - 0.5ft)  
 Cable Crossing Area in Square Feet = 703908

Aerial Photography MASSGIS 2014

**DRAFT**

0 150  
 Feet



1:1,800

**JACOBS**

Upper Harbor  
 Cable Crossing  
 Showing Cut Depths

Jacobs Jacobs Date: 4/10/2017

Figure 1

Preliminary (3/27/2017)





Hybrid Dredging Operation (similar to this) will be mobilized for 2017 in Upper Harbor



2017:Dredging in Upper Harbor:  
Water/Sediment mix is carried  
To Sawyer Street for de-sanding  
and then to de-watering plant in  
Lower Harbor by floating and  
submerged pipeline.



End