# EPA New Bedford Harbor Superfund Site:

# Issuance of Draft Fifth Explanation of Significant Differences (ESD5)

EPA

SDMS Doc ID 574399

# Current Remedy Overview

- New Bedford Harbor Operable Unit 1 – Upper and Lower Harbor
  - » Record of Decision issued in 1998
  - » 4 ESDs issued: 2001, 2002, 2010 and 2011
- Current Remedy – excavation/dredging of contaminated sediment above cleanup levels and disposal
  - » CDFs A, B and C
  - » Off-site transportation and disposal at permitted landfill
  - » Lower Harbor CAD Cell

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# Draft ESD5 - Proposed Significant Change

- Under ESD5, EPA proposes to eliminate CDFs A, B and C and instead transport the contaminated sediment slated for those CDFs for off-site disposal at permitted landfill
- Approximately 175,000 cubic yards of in situ contaminated sediment currently slated for CDFs A, B and C, includes:
  - 48,000 cubic yards of vegetated intertidal sediment
  - 127,000 cubic yards of subtidal sediment

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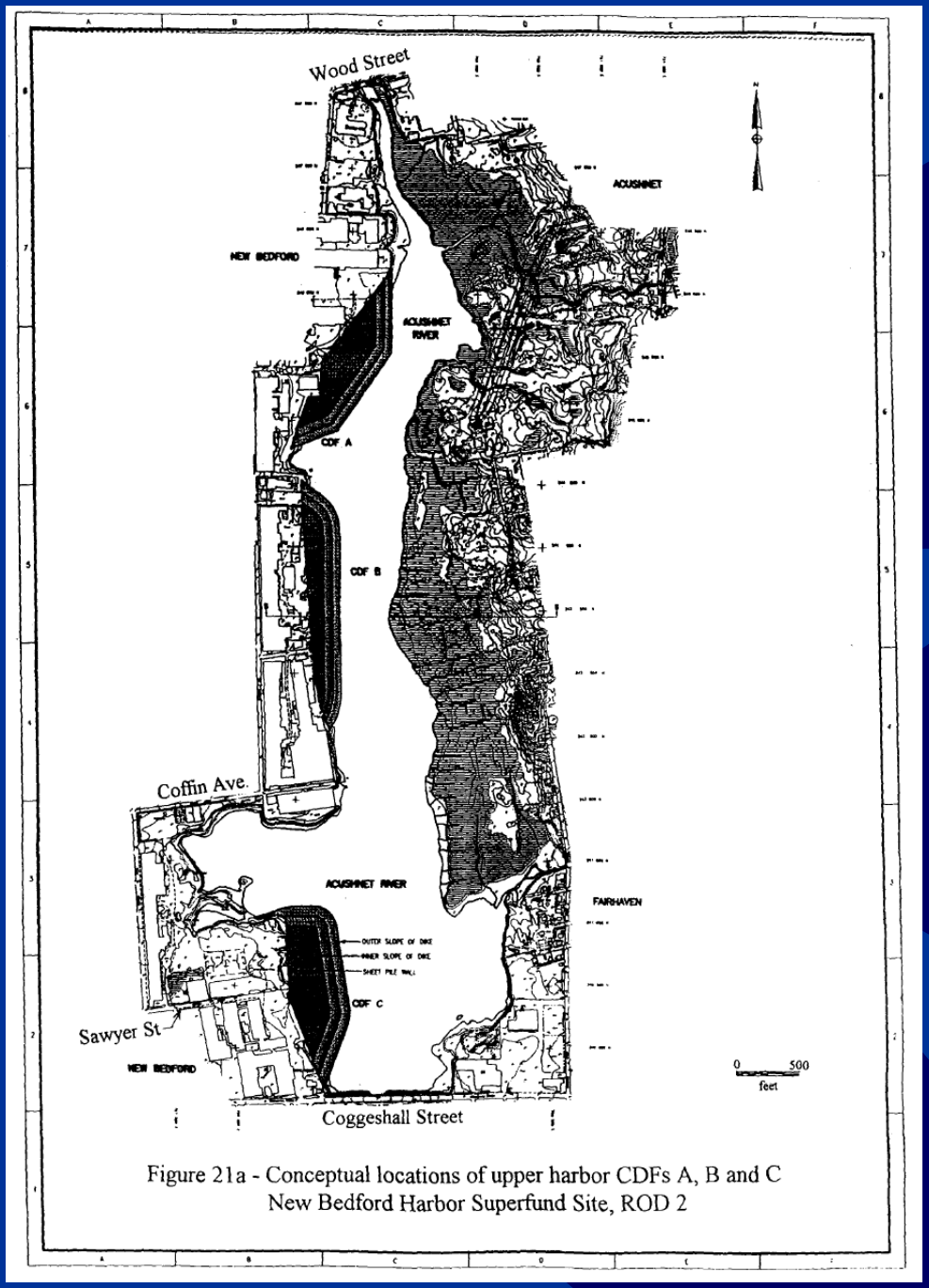


Figure 21a - Conceptual locations of upper harbor CDFs A, B and C
New Bedford Harbor Superfund Site, ROD 2

# CDFs A, B and C vs. Off-Site Disposal

## CDFs A, B and C

- Design, construction and filling could take ~5 years – could delay remedy
- Complex engineering and implementability issues; changes to land use where conceptually planned
- Cost estimate: $56 Million
- Filling of on the order of 10 acres of subtidal area

## Off-Site Disposal

- Ongoing operation; no delay to remedy
- Adequate capacity at permitted facilities; few implementability issues
- Cost estimate: $33 Million
- No additional CDF filling activities; dredging of footprint of CDFs

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# Draft ESD5 – Final Disposition of Pilot CDF Pursuant to ESD1 (2001)

- Under Current Remedy – ESD1 (2001) provided for Pilot CDF area to be Interim TSCA Facility
  - » EPA would continue to confirm protectiveness over time to demonstrate suitable as a permanent CDF
    - — Continue groundwater and air monitoring
    - — Conduct groundwater modeling
  - » Once protectiveness confirmed, EPA would propose Pilot CDF as a permanent TSCA facility

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# Draft ESD5 – Proposed Significant Change

- Under ESD5, EPA confirms Pilot CDF is Suitable and Proposes the Pilot CDF as a Permanent TSCA Facility
  - » Subsurface features naturally impermeable clay layer
  - » Groundwater and air monitoring conducted for 20+ years
  - » Groundwater modeling evaluation performed
  - » Monitoring and modeling demonstrate PCBs are not migrating
  - » Monitoring and modeling confirm protectiveness

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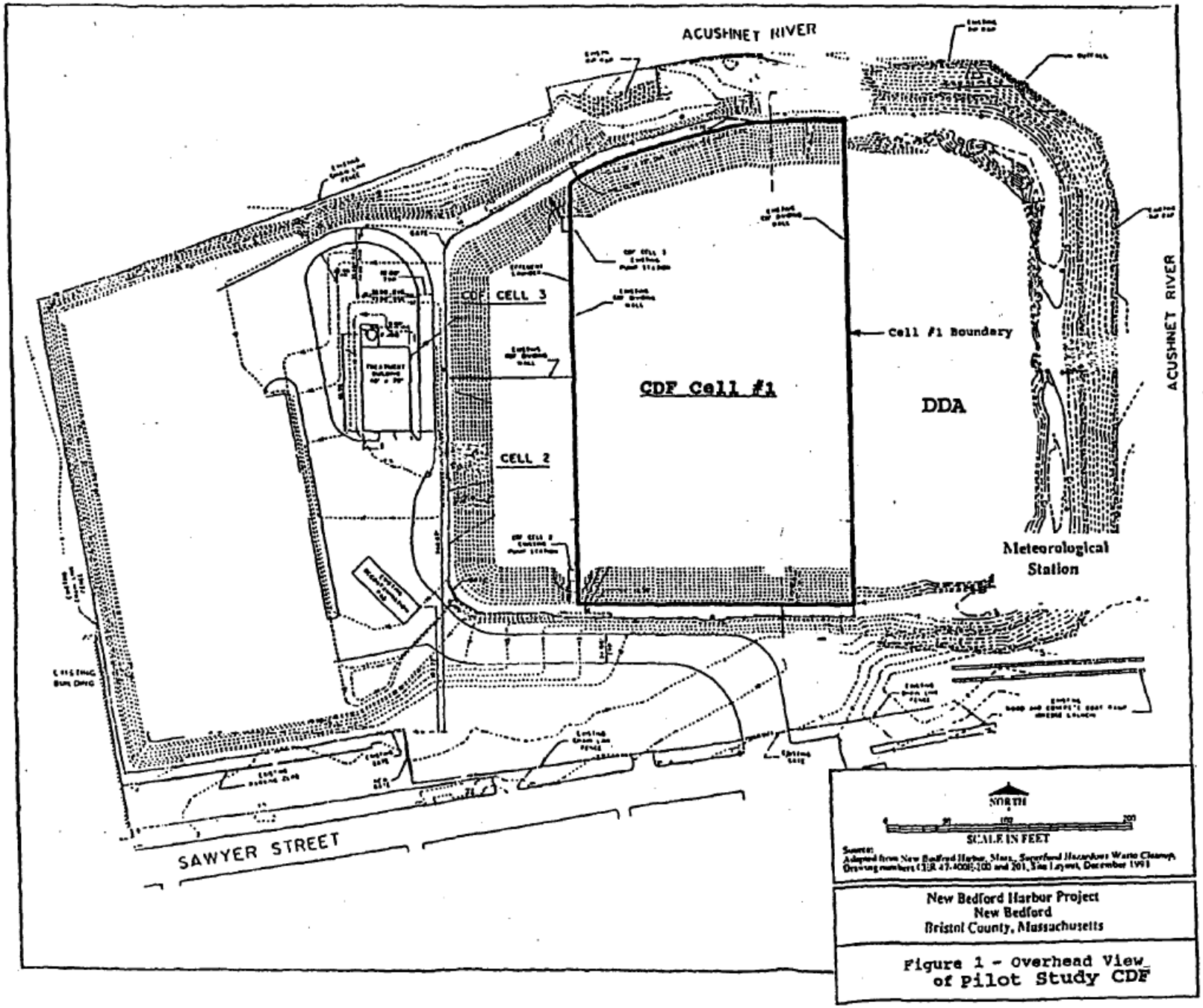
ACUSHNET RIVER
CDF CELL 3
CELL 2
CDF Cell #1
Cell #1 Boundary
DDA
ACUSHNET RIVER
Meteorological Station
SAWYER STREET
NORTH
SCALE IN FEET
New Bedford Harbor Project
New Bedford
Bristol County, Massachusetts
Figure 1 - Overhead View of Pilot Study CDF

# Pilot CDF

- Pilot CDF is a portion of the CDF initially constructed in 1988/1989
- PCB-contaminated sediment and debris have been disposed in the Pilot CDF under the remedy
- Approximately 19,000 cubic yards of contaminated sediment and debris
- Average PCB concentration of material ~200-260 ppm
- Within the footprint of where CDF C (~8 acres) was conceptually planned
- Approximately 1.65 acres – generally coincident with newly created land

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**Monitoring Well Locations**

New Bedford Harbor
Sawyer Street CDF
New Bedford, MA

| SCALE | DATE | PROJECT NO. |
|---|---|---|
| 1:1300 | 06/14 | 60317716 |

AECOM

Figure Number

1

# Pilot CDF – Proposed Ongoing and Long Term Monitoring and Maintenance

- Continued periodic groundwater and air monitoring
- Clean cover/cap would be installed over Pilot CDF meeting all applicable federal and state requirements
- Institutional controls to ensure integrity of cap over time
- Periodic inspections of cap and sidewalls
- Capped Pilot CDF would be available for recreational reuse

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# Draft ESD5 – Public Comment

- Draft ESD5 and Administrative Index available at http://www2.epa.gov/new-bedford-harbor
- Public Comment Period Open starting tomorrow
  April 24, 2015 – May 26, 2015
- Send comments to:

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# Administrative Record

EPA Region 1 Records Center
5 Post Office Square
Boston, MA 02109-3912
(617) 918-1440
Monday – Friday 9:00 am – 5:00 pm

New Bedford Free Public Library
613 Pleasant Street, 2nd Floor Reference Department
New Bedford, MA 02740
(508) 961-3067
Monday – Thursday: 9:00 am – 9:00 pm
Friday – Saturday: 9:00 am – 5:00 pm

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