FORMER NCBC DAVISVILLE
RESTORATION ADVISORY BOARD

June 13, 2024 - Meeting Agenda

- Welcome
- Introductions
- Site Updates and Field Work Scheduled for 2024
  - Presentation Summarizing 2023 LTM
  - General Status of other sites (OU10, Snake Pit, CED Area)
  - Work Planned for 2024
- Next RAB Meeting Date (June 2025)
- Q&A Session

Thank you for joining us. The meeting will begin at 11:00 am.

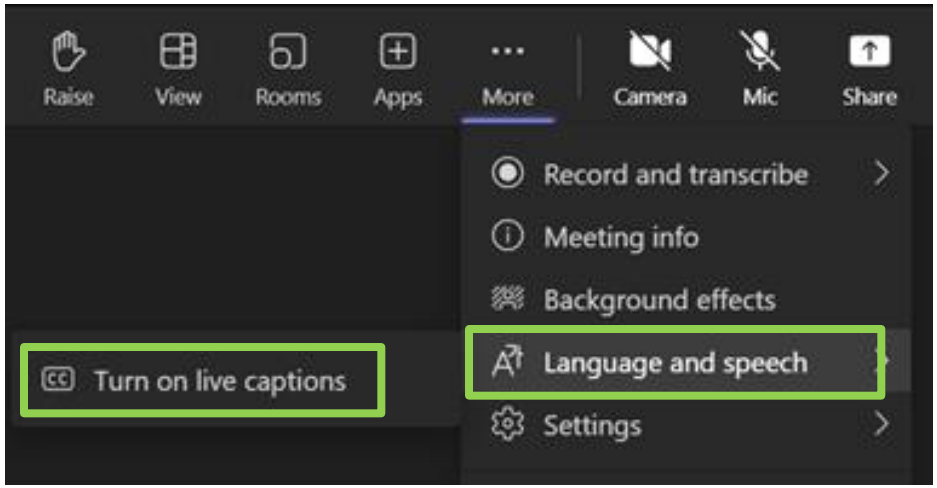
Link to QDC Homepage - http://www.quonset.com/
(Provides an overview of site redevelopment projects and economic impacts)

Hybrid Meeting Instructions

- Hybrid - In-Person and Virtual Attendees
- Virtual Attendees via Microsoft Teams
  - Attendee cameras are not being used
  - Attendee microphones will remain muted except when recognized for questions
- In-Person and Microsoft Teams sign-in names will be used for the record
- Comments for the June 2024 Restoration Advisory Board (RAB) Meeting to be sent to Christopher Harding
- Please hold all questions or comments until after the presentations

Microsoft Teams Tools

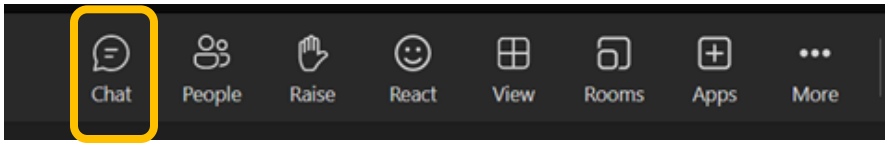
- **Closed Captioning**
  - Select More ●●●
  - Select “Language and speech”
  - Click “Turn on live captions”



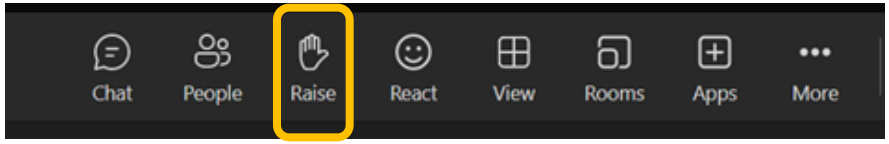
- **Screen Layout**
  - To adjust the layout on your screen, select View
  - Choose the preferred view from available choices. Options include Full Screen, Gallery View, and Focus on Content

Virtual Attendee Questions

1) To ask a question, select ‘Chat’, then type your question in the text box, and then select Send.



2) Raise your hand to be recognized and have your microphone unmuted. Select ‘Raise your hand’ icon in the meeting controls.



3) Phone-only attendees can dial *6 to raise their hand and have the opportunity to ask a question.

Naval Facilities Engineering Systems Command
NAVFAC MID-ATLANTIC

Site Updates

Sites 7 and 9 Long Term Monitoring

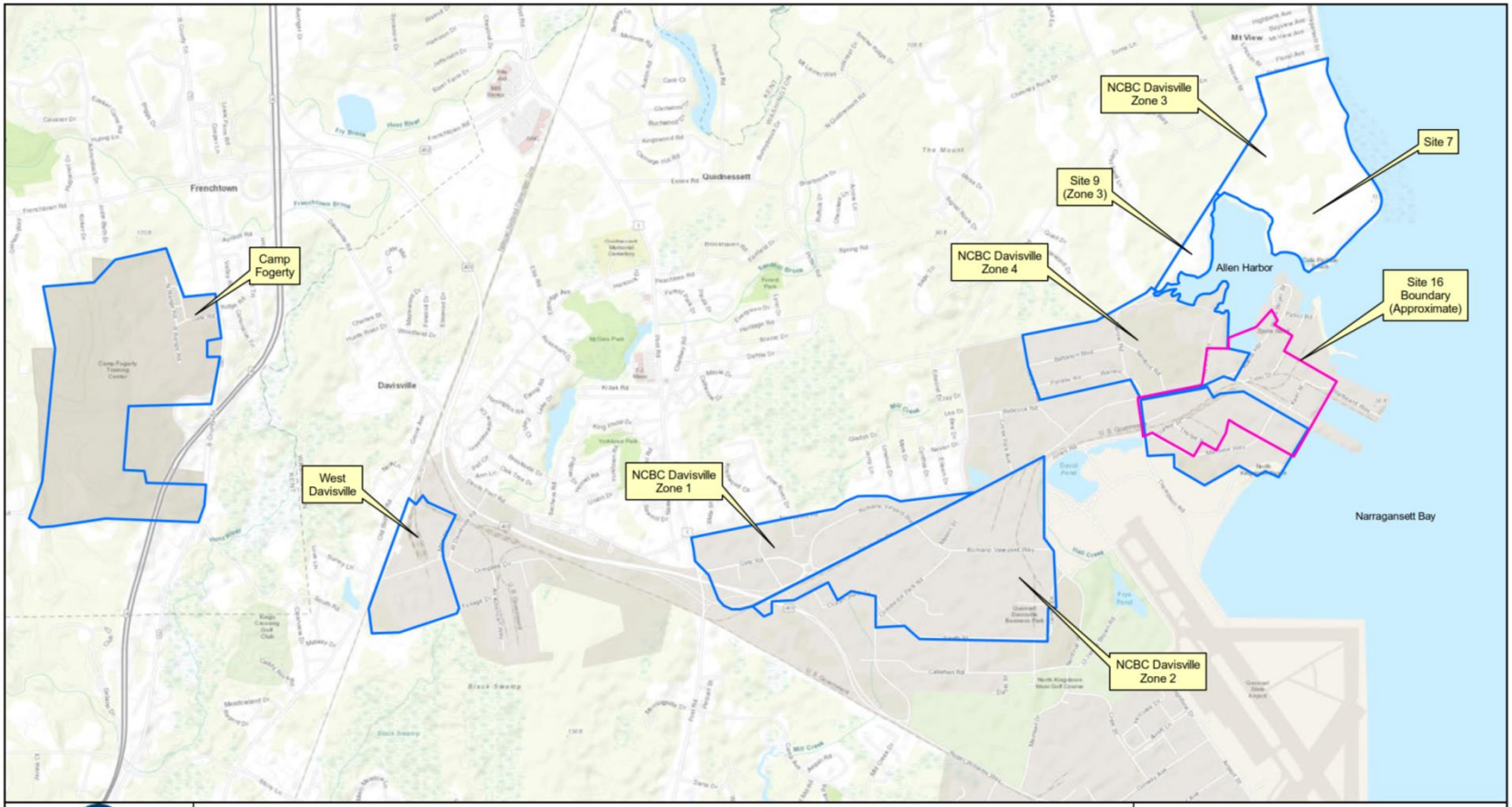
Site 16 Long Term Monitoring

94th Restoration Advisory Board Meeting

Former NCBC Davisville, North Kingstown, RI

June 13, 2024

NCBC DAVISVILLE – GENERAL SITE LAYOUT



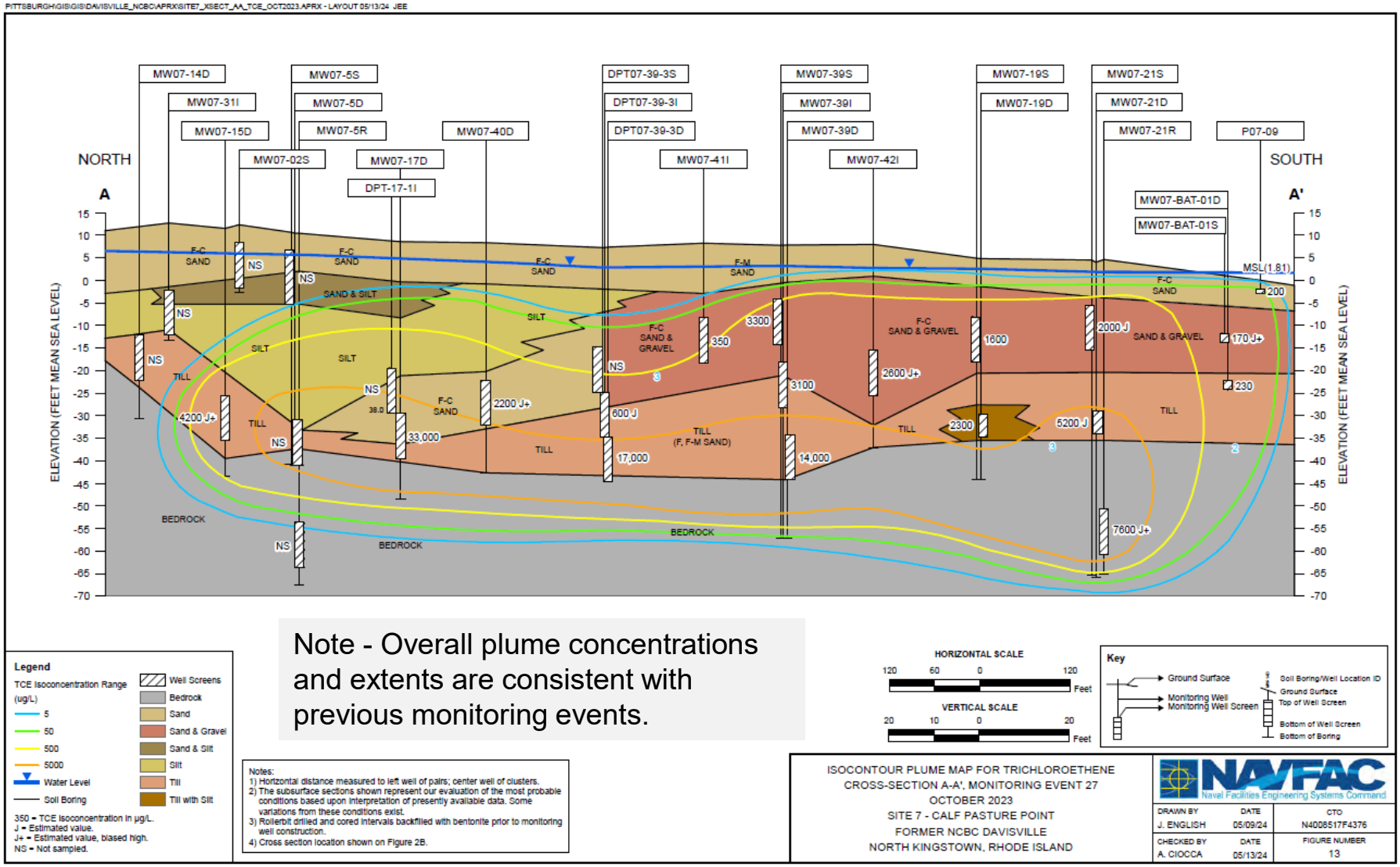
Site 07 Long-Term Monitoring - 2023

ME 27 Biennial Sampling Event:

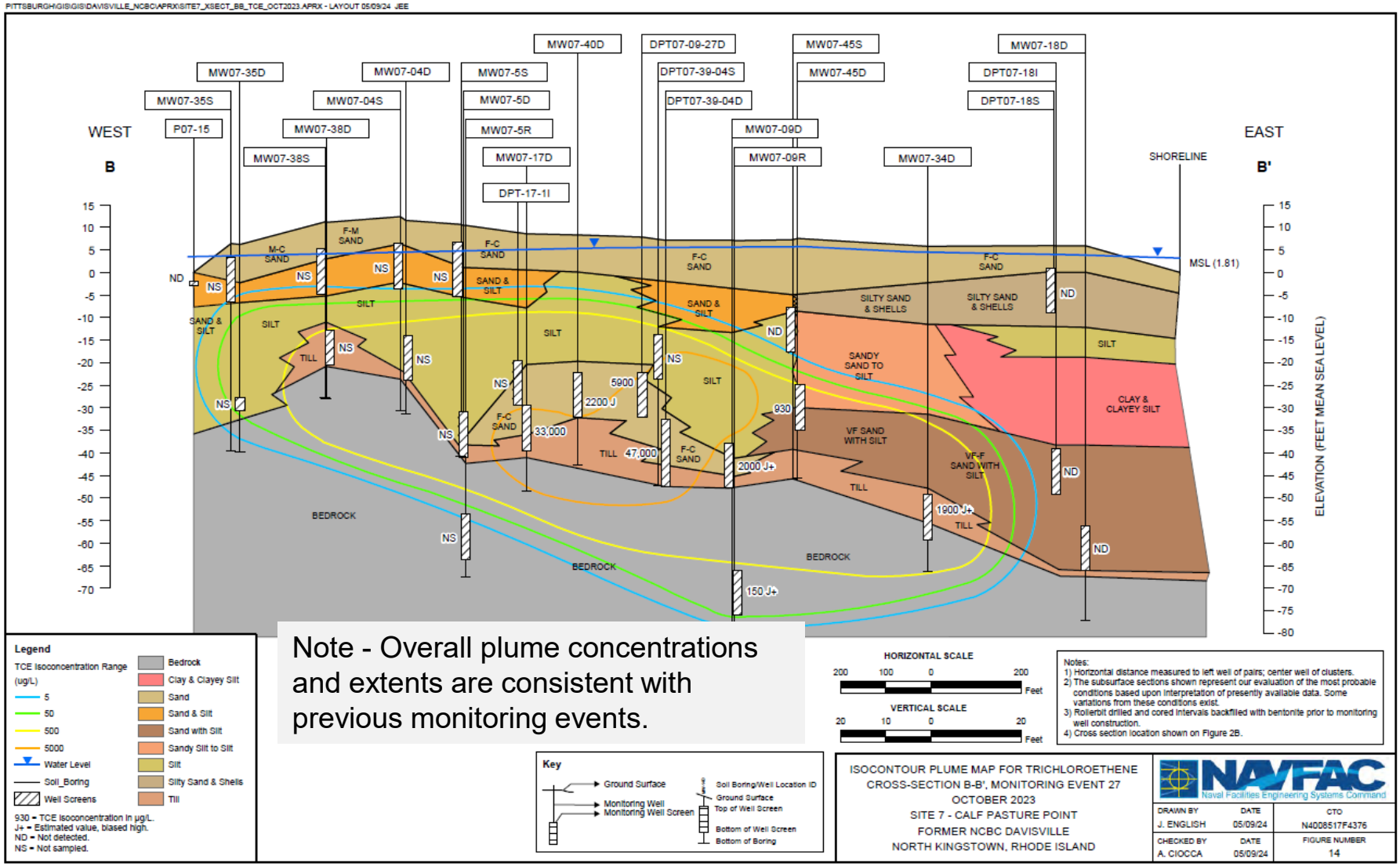
- Conducted from October 11 to November 1, 2023, in conjunction with ME 52 at Site 09 and ME 08 at Site 16
- Mid-tide synoptic water level measurements were collected at 80 wells on Calf Pasture Point and the staff gauge in Allen Harbor.
- Groundwater samples were collected from 58 monitoring wells.
- Piezometer samples were collected from 14 locations – 13 in the intertidal zone along the southern shore of Calf Pasture Point, and one piezometer sample was collected in the intertidal zone along the western shoreline.
- The Biennial Event Report will include –
  - Summary of fieldwork performed
  - Updated Potentiometric maps for Shallow, Intermediate, Deep Overburden and Bedrock Zones and discussions on groundwater flow
  - Tabular summary of analytical data including frequency of detections and historical data compliation
  - Tag map style Figures for analytical data and updated trend plots
  - Updated TCE Isoconcentration plume maps along primary flow paths

Site 07 Site Layout and Long-Term Monitoring Locations

Site 07 TCE Plume Analysis – Migration toward Entrance Channel



Site 07 TCE Plume Analysis – Migration toward Narragansett Bay

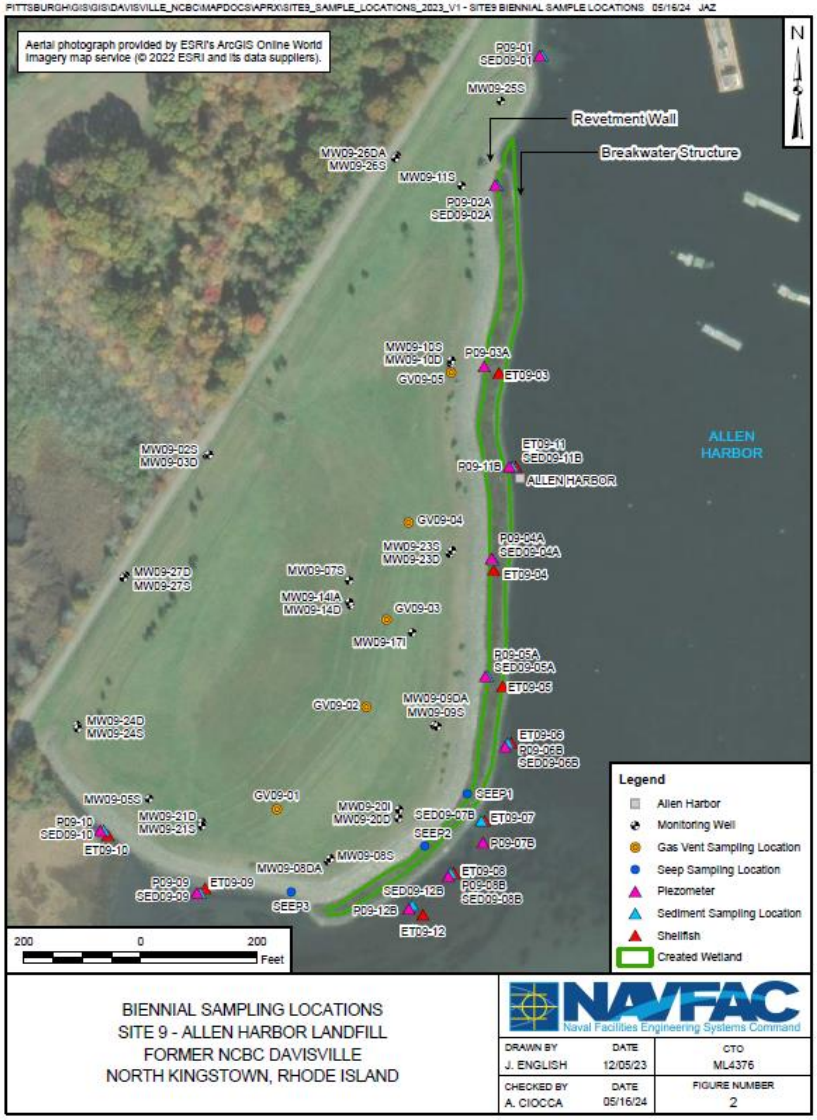


Site 09 Long Term Monitoring - 2023

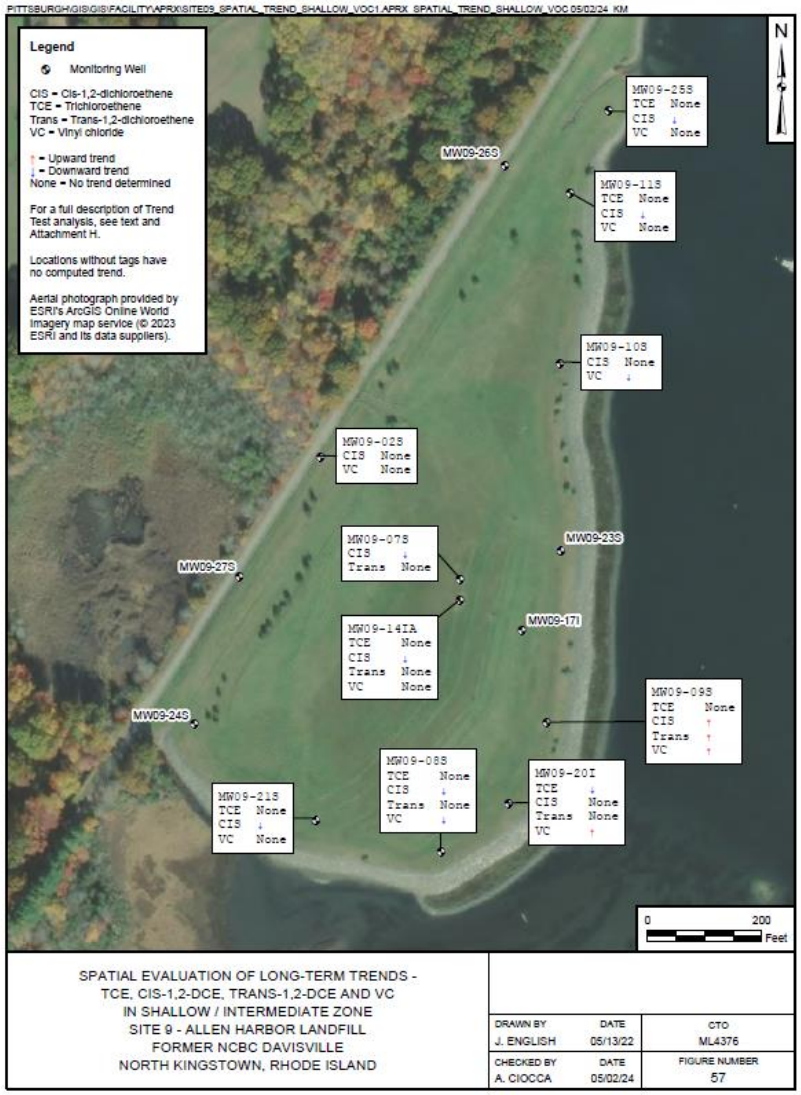
ME 52 Annual Sampling Event:

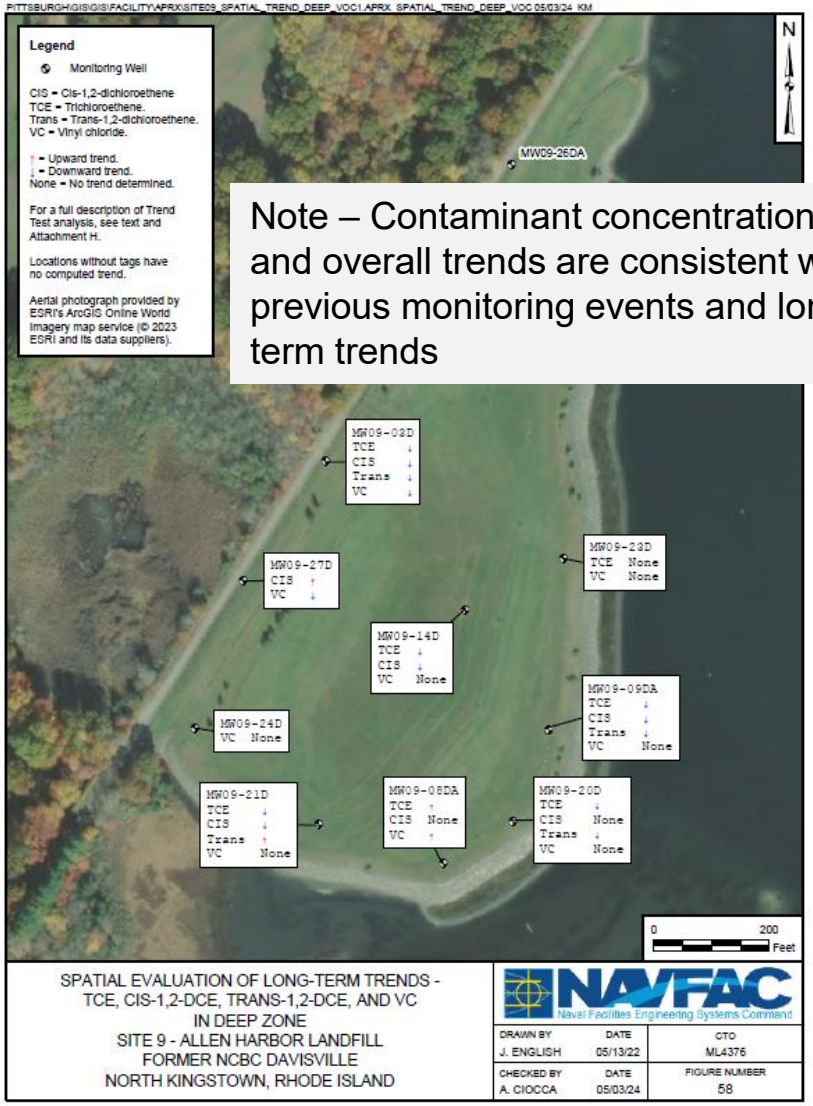
- Conducted from September 4 to 28, 2022, in conjunction with ME 27 at Site 07 and ME08 at Site 16
- Outgoing synoptic water level measurements were recorded at 27 wells and the staff gauge at Allen Harbor during low, out-going mid-tide and high tide on November 29, 2023
- Groundwater samples were collected from 26 monitoring wells
- 12 Piezometer samples were collected (5 beyond the breakwater, 2 south of the landfill, one north of landfill and 4 within the created wetland)
- 5 Gas vents were screened with a PID and landfill gas meter
- 20 soil gas vapor push points were screened with a PID and landfill gas meter
- 3 Seeps samples were collected
- 11 Sediment samples were collected from 0-6 inches (co-located with piezometers)
- 10 Shellfish tissue samples were collected from outside the created wetland breakwater structure
- Landfill inspection and site maintenance activities were performed
- Groundwater, piezometers, seeps, and surface water samples were analyzed for: VOCs, SVOCs, PAHs, PCBs, Pesticides, metals (dissolved and total), sulfide and salinity (piezometers and seeps)
- Sediment samples were analyzed for: VOCs, PAHs, PCBs, Pesticides, sulfide and metals
- Shellfish tissue samples were analyzed for: SVOCs, PAHs, pesticides, PCB homologs, metals, and percent lipids
- The Annual Event Report will include –
  - Summary of fieldwork performed
  - Updated Potentiometric maps for Shallow, Intermediate, Deep Overburden and Bedrock Zones and discussions on groundwater flow
  - Tabular summary of analytical data including frequency of detections and historical data compliation
  - Figures for analytical data to support spatial evaluations of contaminants as well as updated trend plots

Site 09 Site Layout and LTM Sampling Locations



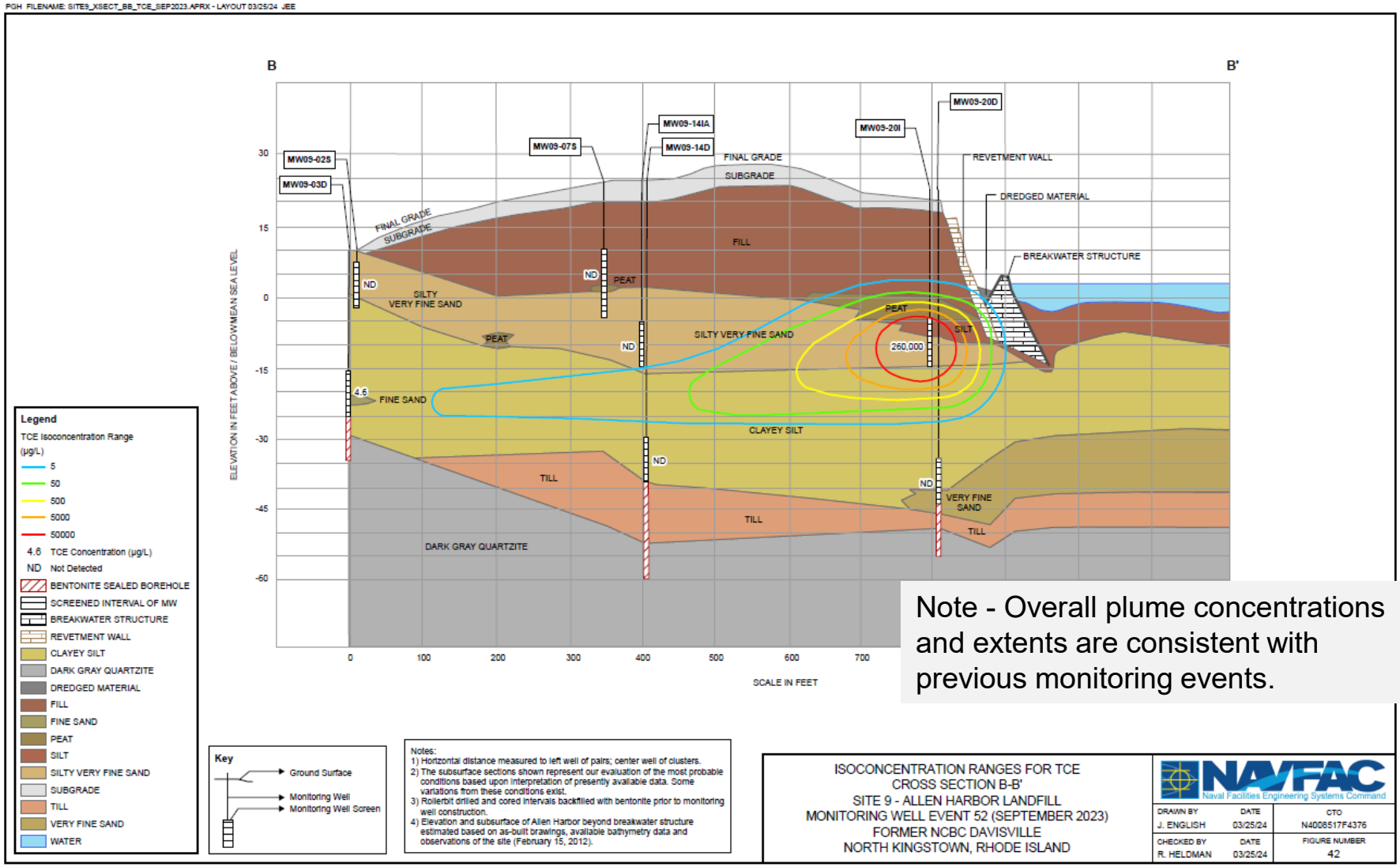
Site 09 LTM TCE Trend Analysis – Shallow and Deep Zone (2023 Data)





Note – Contaminant concentrations and overall trends are consistent with previous monitoring events and long-term trends

Site 09 LTM TCE Plume Analysis – B-B' (2023 Data)



Note - Overall plume concentrations and extents are consistent with previous monitoring events.

Site 09 Detections in Piezometers (2023 Data)

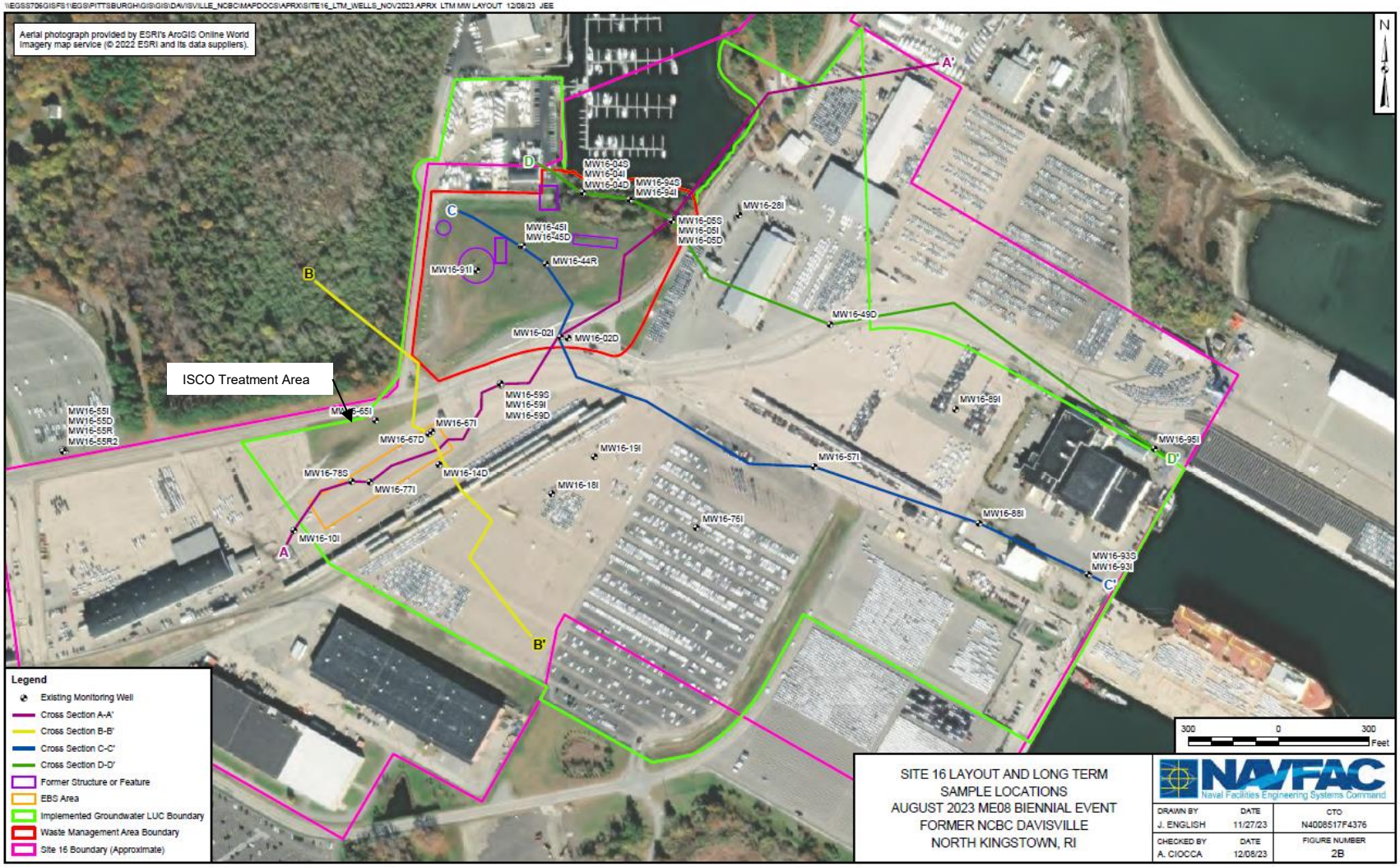
- **Overall, piezometer detections and exceedances to PALs are consistent with previous sampling events.**
- A single VOC exceeded their respective PAL – Vinyl Chloride at 3.5 µg/L at P09-10.
- A total of 12 total and dissolved metals were detected, including aluminum, antimony, arsenic, beryllium (total only), chromium, copper, iron, lead, manganese, mercury (total only), nickel, and zinc.
    - Total and dissolved arsenic, chromium, copper, lead, nickel, and zinc, and total antimony, arsenic beryllium and mercury were in exceedance of their respective PALs at one or more monitoring piezometers.

Site 16 Long Term Monitoring Event 08

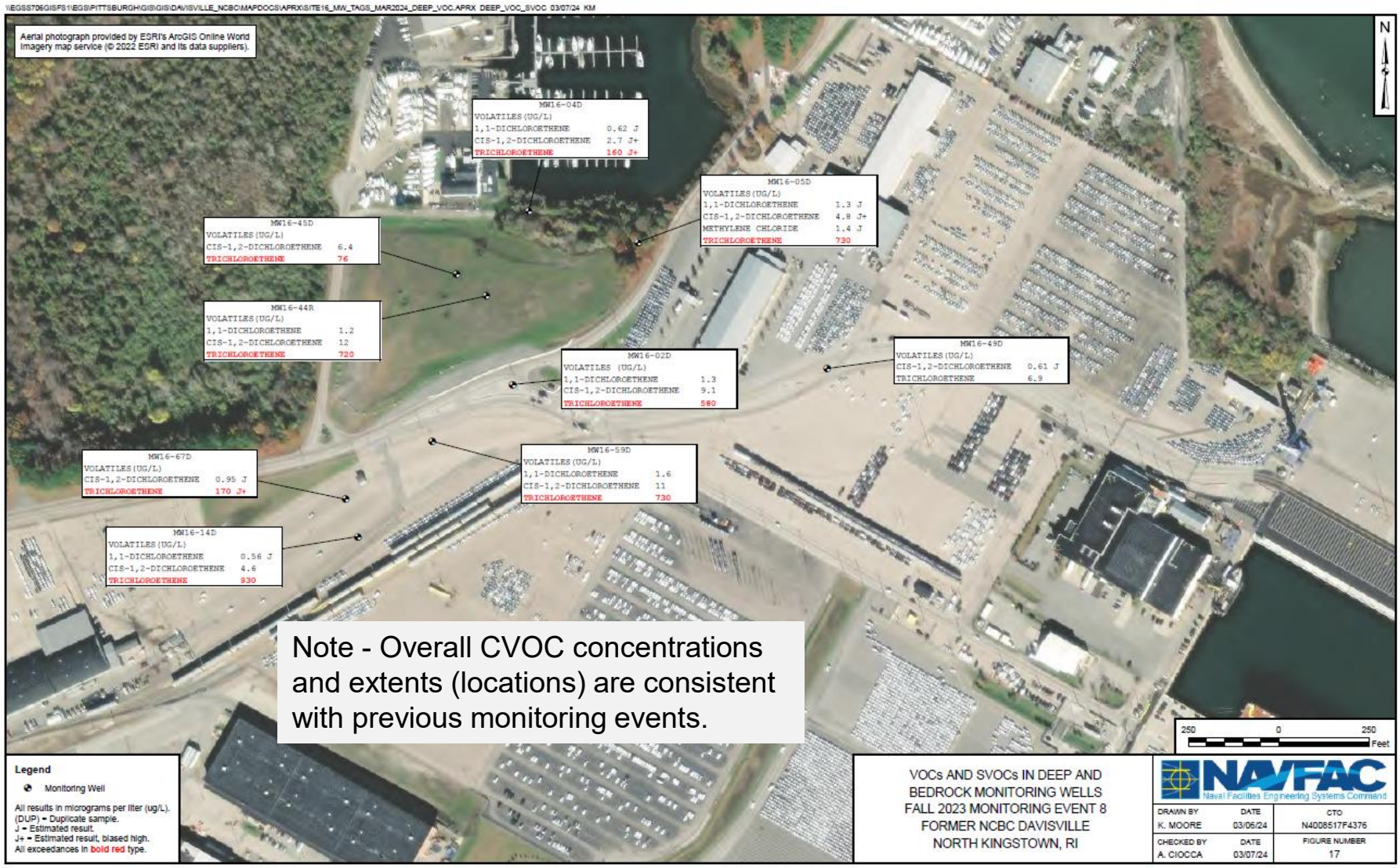
ME 08 Annual Sampling Event:

- Conducted from August 22 to September 6, 2023, in conjunction with ME 27 at Site 07 and ME08 at Site 16
- Synoptic water level measurements were collected at 80 wells at Site 16 and the staff gauge in Allen Harbor
- Groundwater samples were collected from 38 monitoring wells (included additional wells for Monitored Natural Attenuation as recommended in the Fifth Five-Year Review)
- All groundwater samples were analyzed via SW-846 Method 8260 for the site-specific list of volatile organic compounds (VOCs)
- A subset of the groundwater samples was analyzed for semivolatile organic compounds (SVOCs), total and dissolved metals, and select MNA parameters.
- The Annual Event Report includes –
  - Updated Potentiometric maps for Shallow, Intermediate, Deep Overburden and Bedrock Zones and discussions on groundwater flow
  - Tabular summary of analytical data including frequency of detections and historical data compliation
  - Tag map style Figures for analytical data and updated trend plots
  - Updated TCE Isoconcentration Tag map along primary flow path

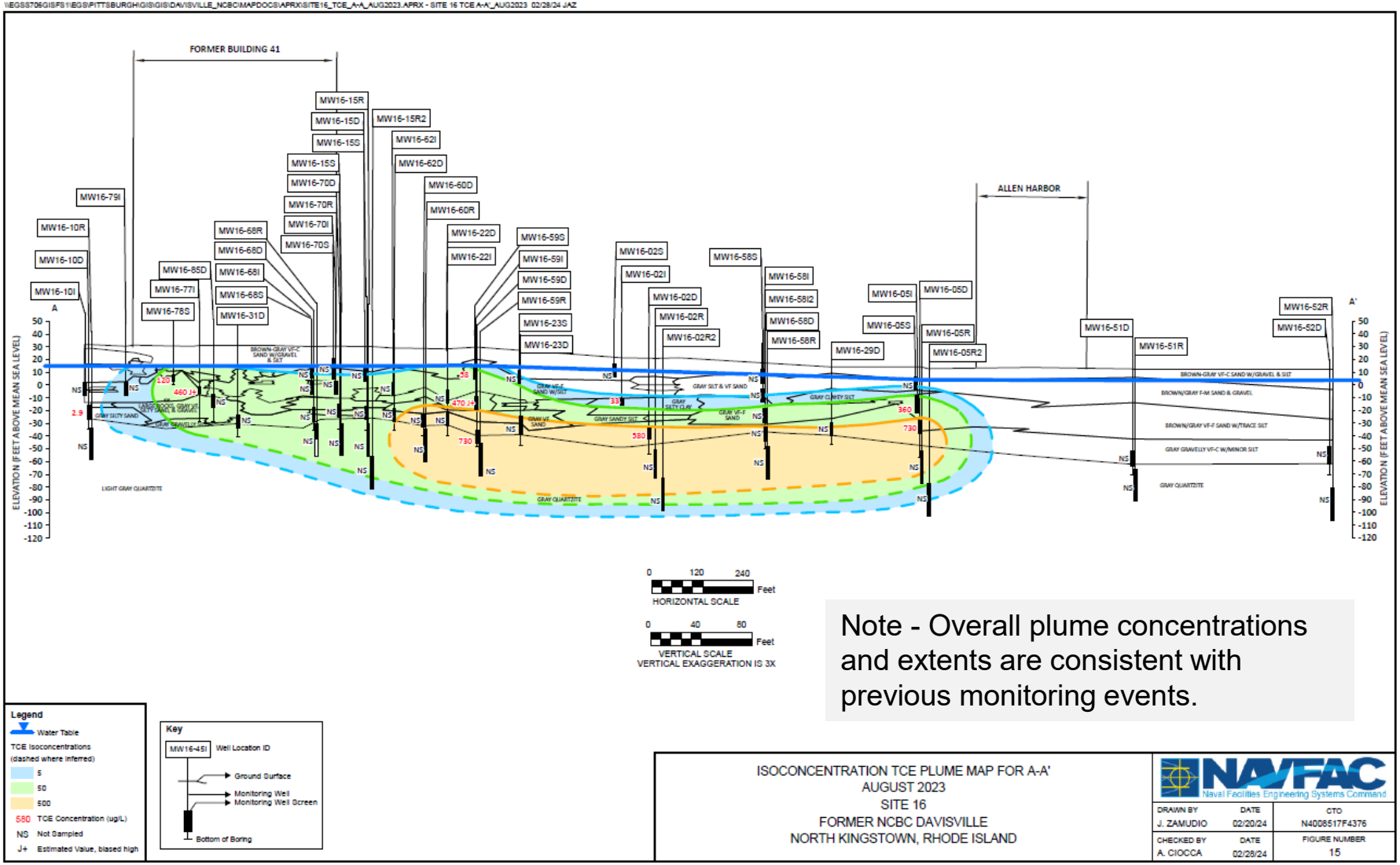
Site 16 Layout and Sampling Locations



Site 16 LTM ME 08 GW Tag Map – Deep Overburden and Bedrock Wells (2023 Data)



Site 16 LTM ME 08 GW TCE Plume Map – A-A' (2023 Data)



Note - Overall plume concentrations and extents are consistent with previous monitoring events.

ISOCONCENTRATION TCE PLUME MAP FOR A-A'
AUGUST 2023
SITE 16
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

NAVFAC Naval Facilities Engineering Systems Command

DRAWN BY	DATE	CTO
J. ZAMUDIO	02/20/24	N4D08517F4376
CHECKED BY	DATE	FIGURE NUMBER
A. CIOCCA	02/28/24	15

Next RAB Meeting Date (June 2025)

Discussion of Virtual Meeting

Any Questions?

THANK YOU FOR ATTENDING TODAY'S MEETING

BRAC Cleanup Team (BCT) Points of contact:

Navy: Chris Harding, BRAC Environmental Coordinator

(215) 897-4904
christopher.l.harding4.civ@us.navy.gov

Derek Pinkham, Remedial Project Manager

(215) 897-4908 derek.j.pinkham.civ@us.navy.gov

EPA: Carol Keating

(617) 918-1393 Keating.Carol@epa.gov

RIDEM: Patricia Burke

(401) 537-4311 Patricia.Burke@dem.ri.gov