

# Department of Navy Naval Weapons Industrial Reserve Plant Restoration Advisory Board Meeting

## NWIRP Bethpage Program Overview

Presented by:  
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NAVFAC Mid-Atlantic  
8 May 2024

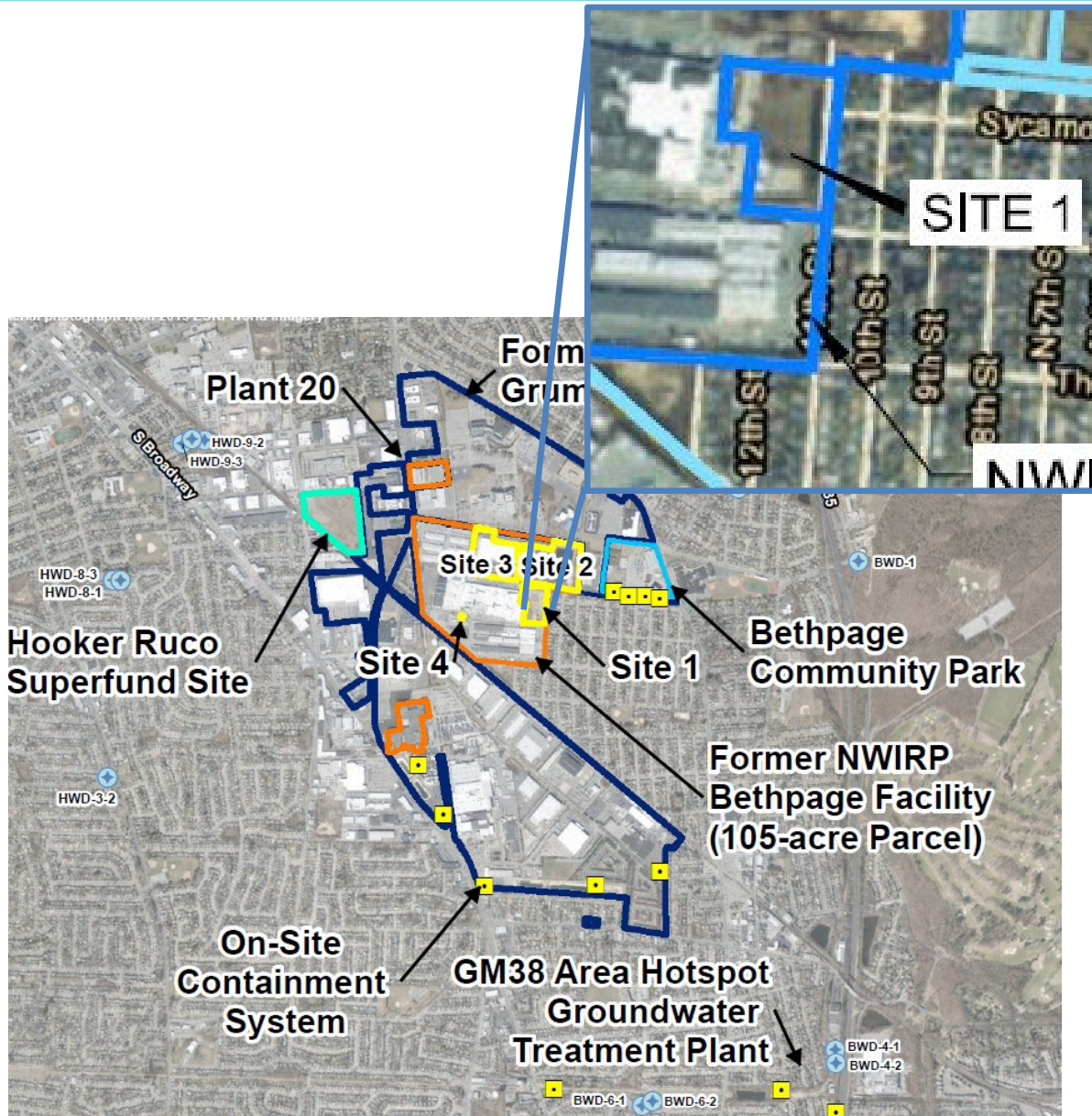
# Presentation Topics – NWIRP Bethpage Program Overview



- Site 1 General Update
- Site 4 General Update
- Phase I – GM38 Groundwater Treatment Plant Update
- Ongoing/Upcoming Remedial Construction Projects



# Site 1



- Former drum marshalling area
- Soil removal actions completed in 2020
- All remedies are in place and operational
- Currently leased to Steel Equities from Nassau County

# Site 1



## General Update

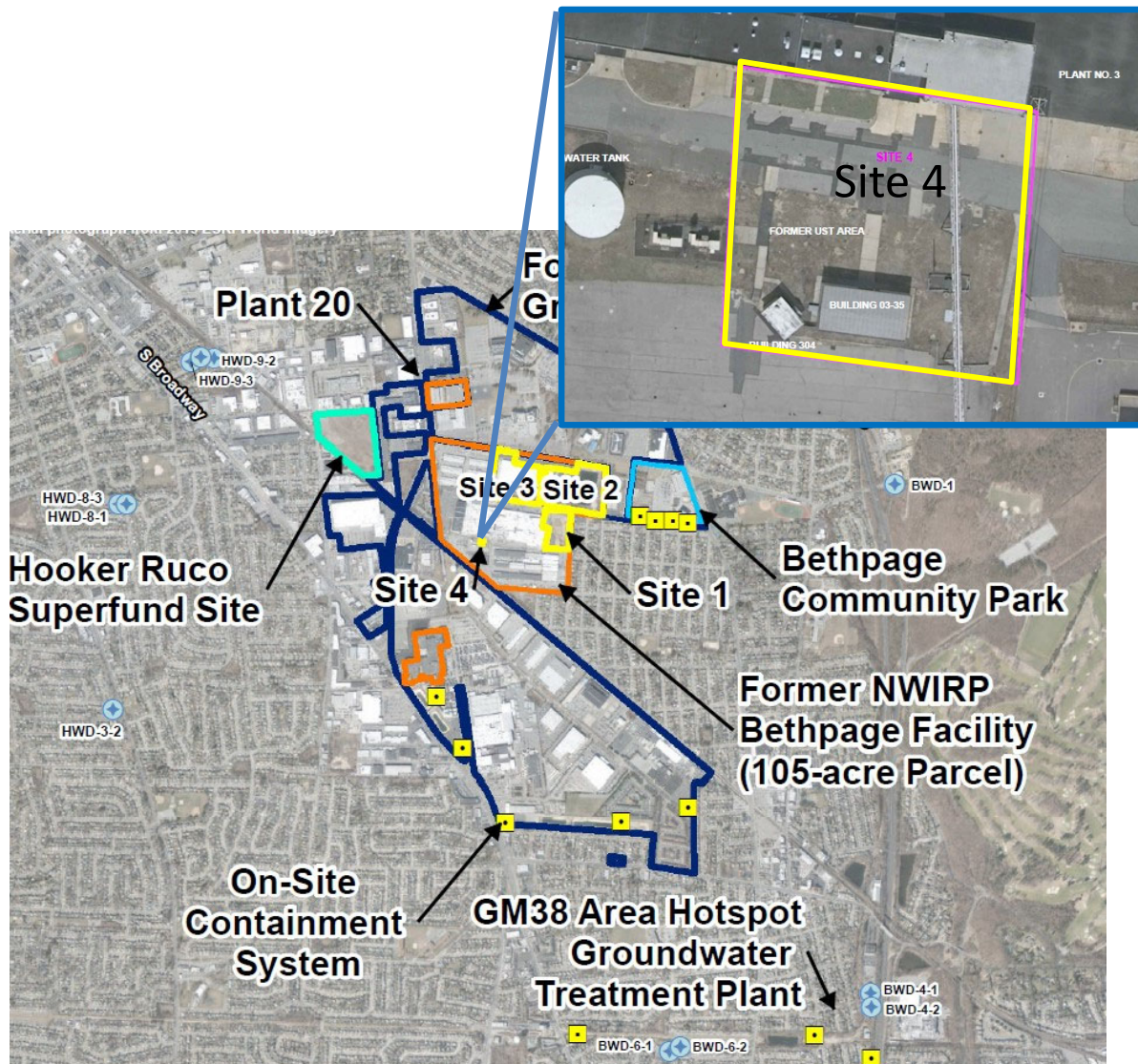
- Remedial Action for Contaminated Soil is in its post construction Operation & Maintenance phase with regular quarterly inspections and site maintenance
- Soil Vapor Extraction Remediation System has been running successfully since August 2022



- Steel Equities utilizes the site as a parking lot



# Site 4



- Environmental concerns were first identified at Site 4 during a 1997 investigation by Northrop Grumman Corporation that identified former Underground Storage Tanks (USTs) and petroleum-contaminated soil in the area
- Biosparge system has been operating since July 2021

# Site 4 Update



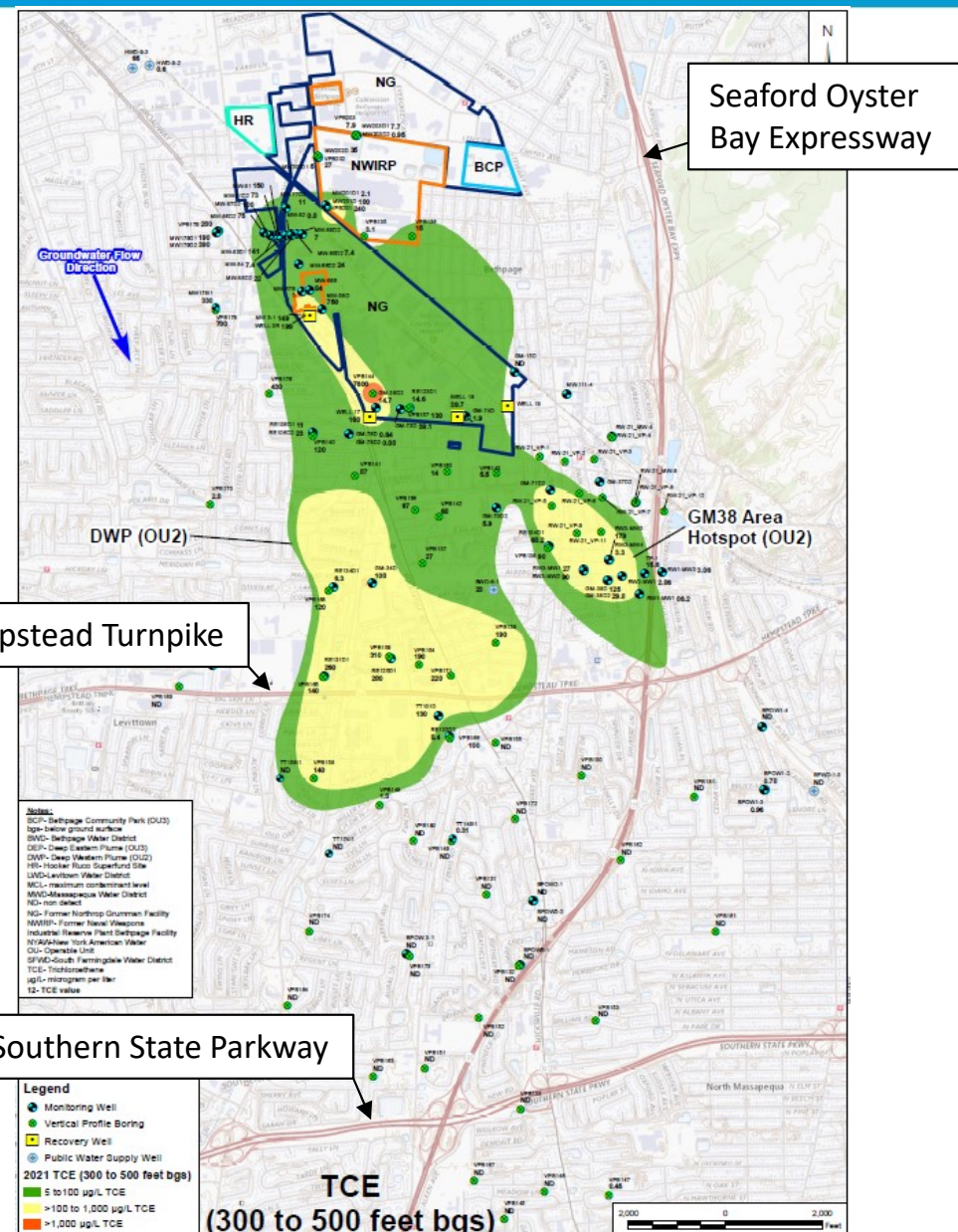
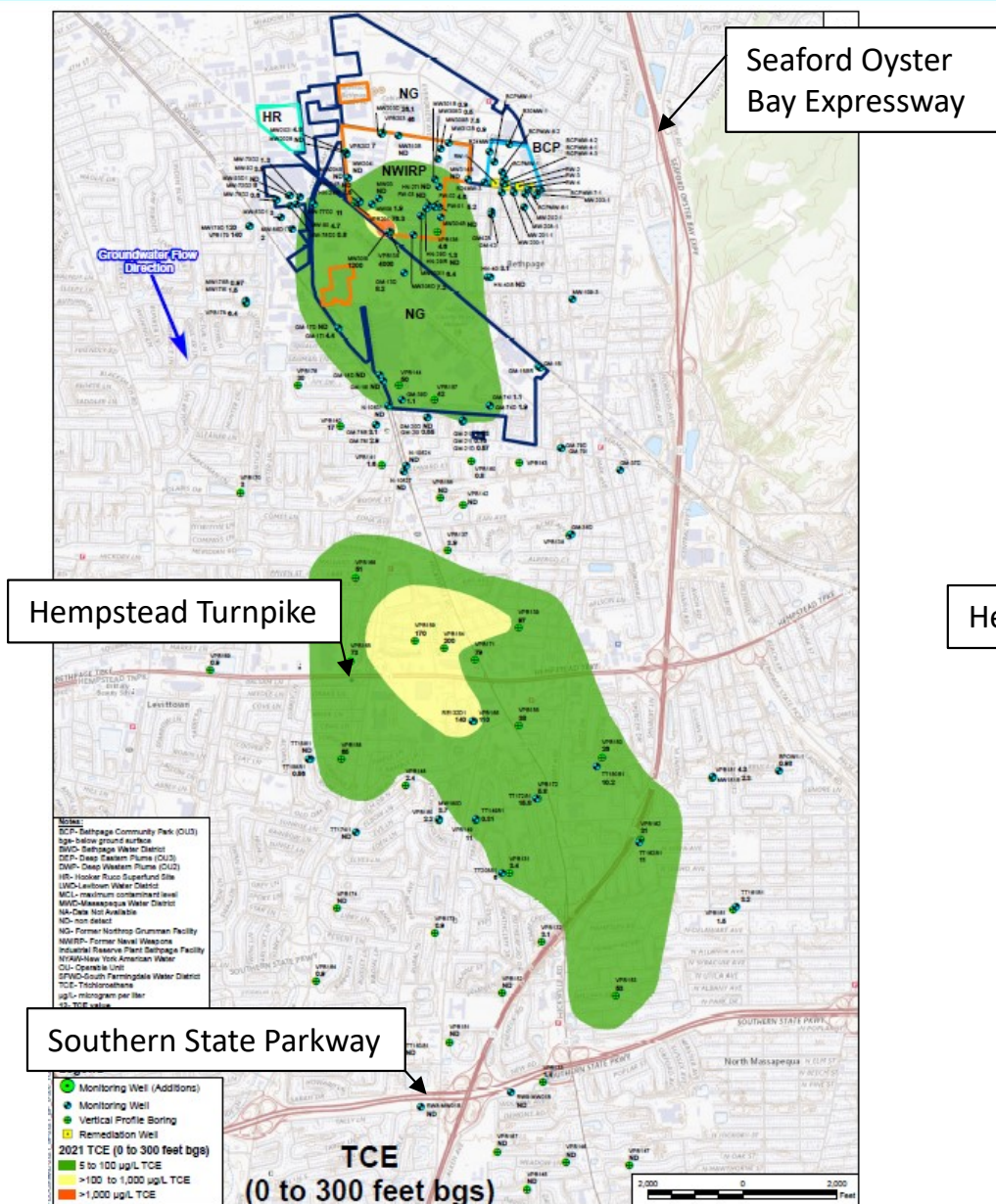
- The biosparge system will continue to operate with annual reviews for continued operation
- Conducting general site maintenance and upkeep



# Navy-Northrop Grumman TCE Plume Maps

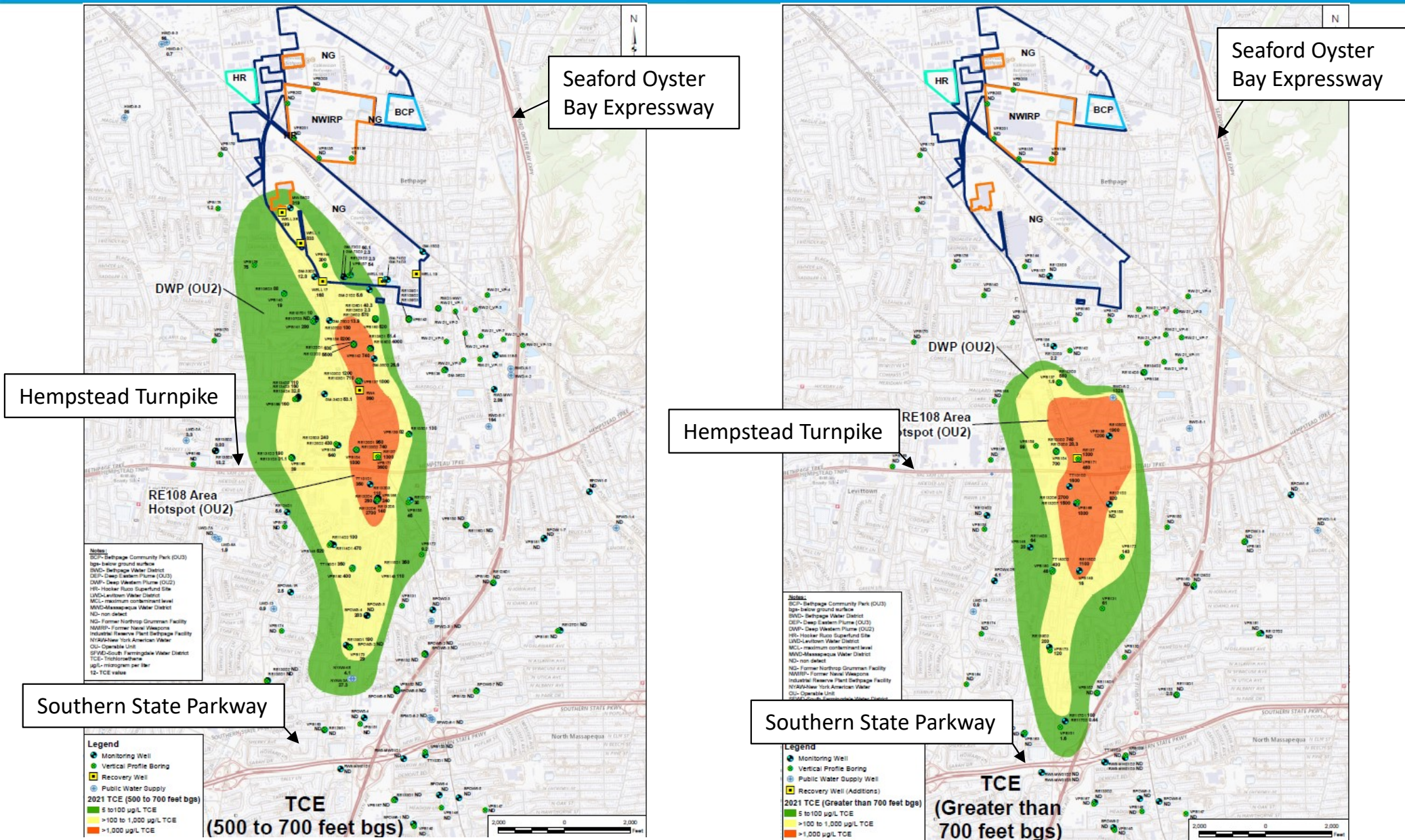
Shallow

Intermediate



# Navy-Northrop Grumman TCE Plume Maps

Deep



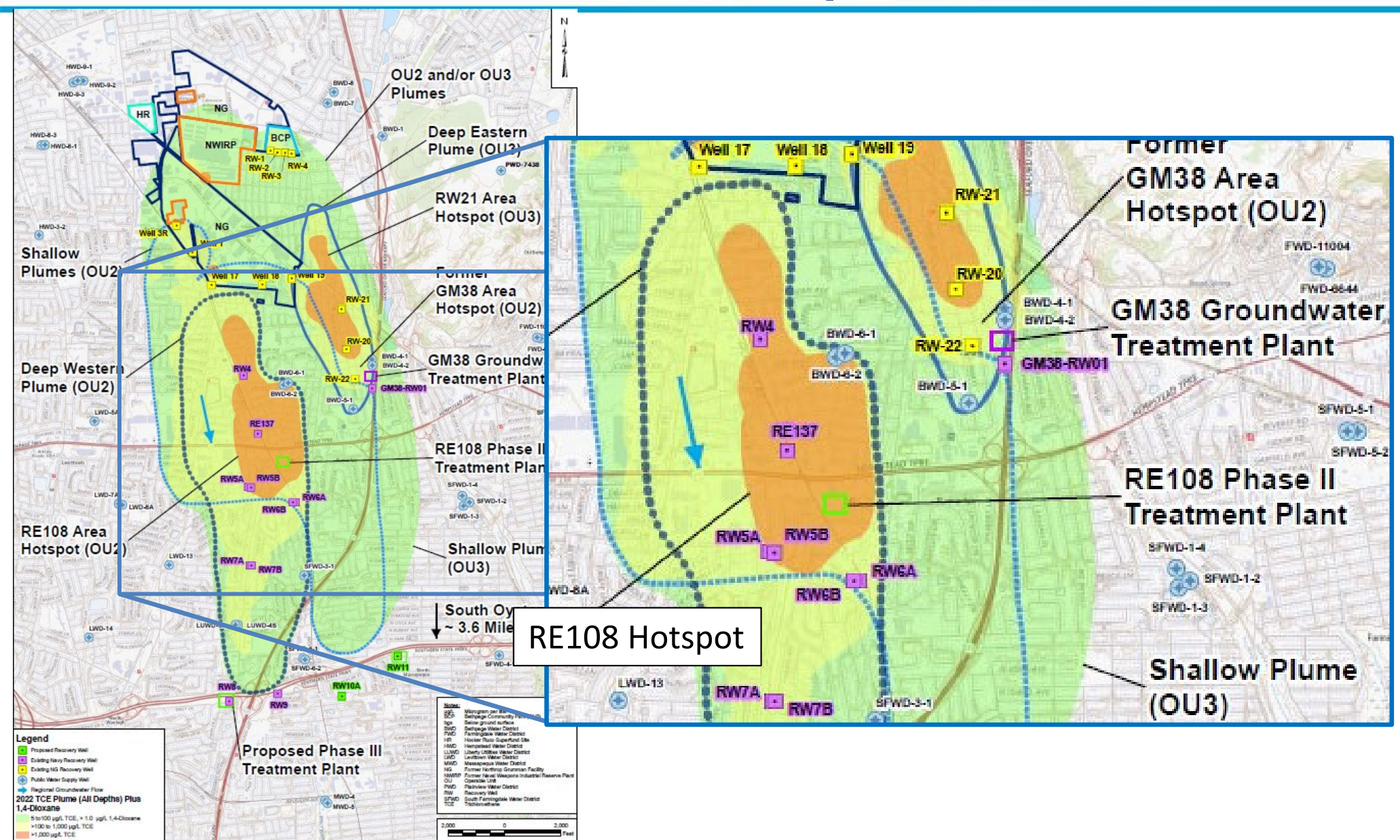
# Ongoing/Upcoming Remedial Construction Projects



- Much of the Navy's remedy relies on recovery wells. Recovery wells are strategically placed to pump contaminated water from the plume and treat the water to drinking water standards for discharge to local basins.
- The RE137 temporary treatment system (near the intersection of Hicksville Road and Hempstead Turnpike) will operate until RE137 is connected into the GM38 Groundwater Treatment Plant in 2024.
- Phase II Recovery Wells 5A, 5B, 6A, 6B, 7A, and 7B have been completed. Pipeline work is in progress and will continue through spring 2024.
- Phase II Groundwater Treatment Plant construction began in December 2021 and is projected to be operational in March 2025.
- Phase III Recovery Wells 8 and 9 are complete. RW10A site work will begin in early 2024. The Phase III Groundwater Treatment Plant construction and influent and effluent pipelines will begin in 2024 with completion in 2025.

# Phase I

## RE108 Hotspot



# Phase I

## RE108 Hotspot



- GM38 Groundwater Treatment Plant Update
  - Navy is planning upgrades in 2024 to the treatment plant to increase treatment capacity.
  - The GM38 groundwater treatment plant is operating as expected, water testing of the system is taking place monthly and 1,4 dioxane and trichloroethene (TCE) are non-detect or very low in the effluent.



GM38 AOP



GM38 Peroxide Tank

# Phase I

## RE108 Hotspot - RE137 Pipeline



- Pipeline work will begin be completed in 2024.



# Phase III



- RW9 pipeline began in early 2024 and will be completed in late 2024
- Phase III Groundwater Treatment Plant and the RW10A/discharge pipeline work begins later in early 2025



RAB Member Questions (10 minutes)

NEXT: Video Tours (Dave Brayack)