

Poplar Point Site RI/FS

Update December 14, 2017



Outline

- Project Summary and Site Description
- Site Use History
- Summary of Environmental Conditions
- Suspected Contaminant Source Areas
- Summary of Investigation Objectives and Activities
- Project Status



Project Summary

- ▶ Property (Approximately 110 acres) legislated to be transferred from NPS to District (DC Lands Act of 2006)
- ▶ Mixed use redevelopment by District, 70 acres must be kept as public parkland in perpetuity
- ▶ District responsible for implementing RI/FS with NPS oversight (2008 Settlement Agreement and Administrative Order on Consent)
- ▶ District is preparing to initiate Phase I of the RI



Site Plan

- ▶ DC Lanham Area (DCL)
- ▶ Architect of the Capital Area (AOC)
- ▶ Naval Receiving Station Area (NRS)

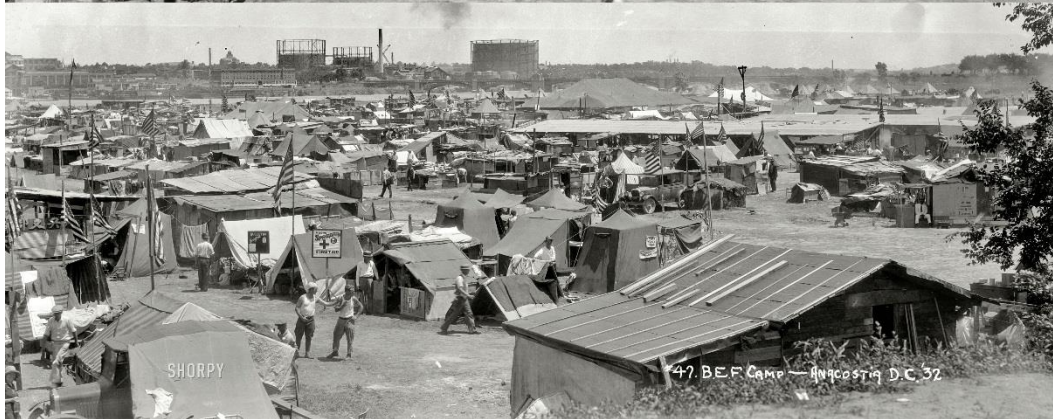


Site Use History

- ▶ Northern and central portions of Site were mud flats filled with dredge spoils between 1882 and 1927
- ▶ DC Lanham Tree Nursery (1927 to 1993)
- ▶ Architect of the Capitol Greenhouse and Tree Nursery (1927 to 1993)
- ▶ Naval Receiving Station (1940s to 1960s)
- ▶ 1932 Bonus Army Encampment

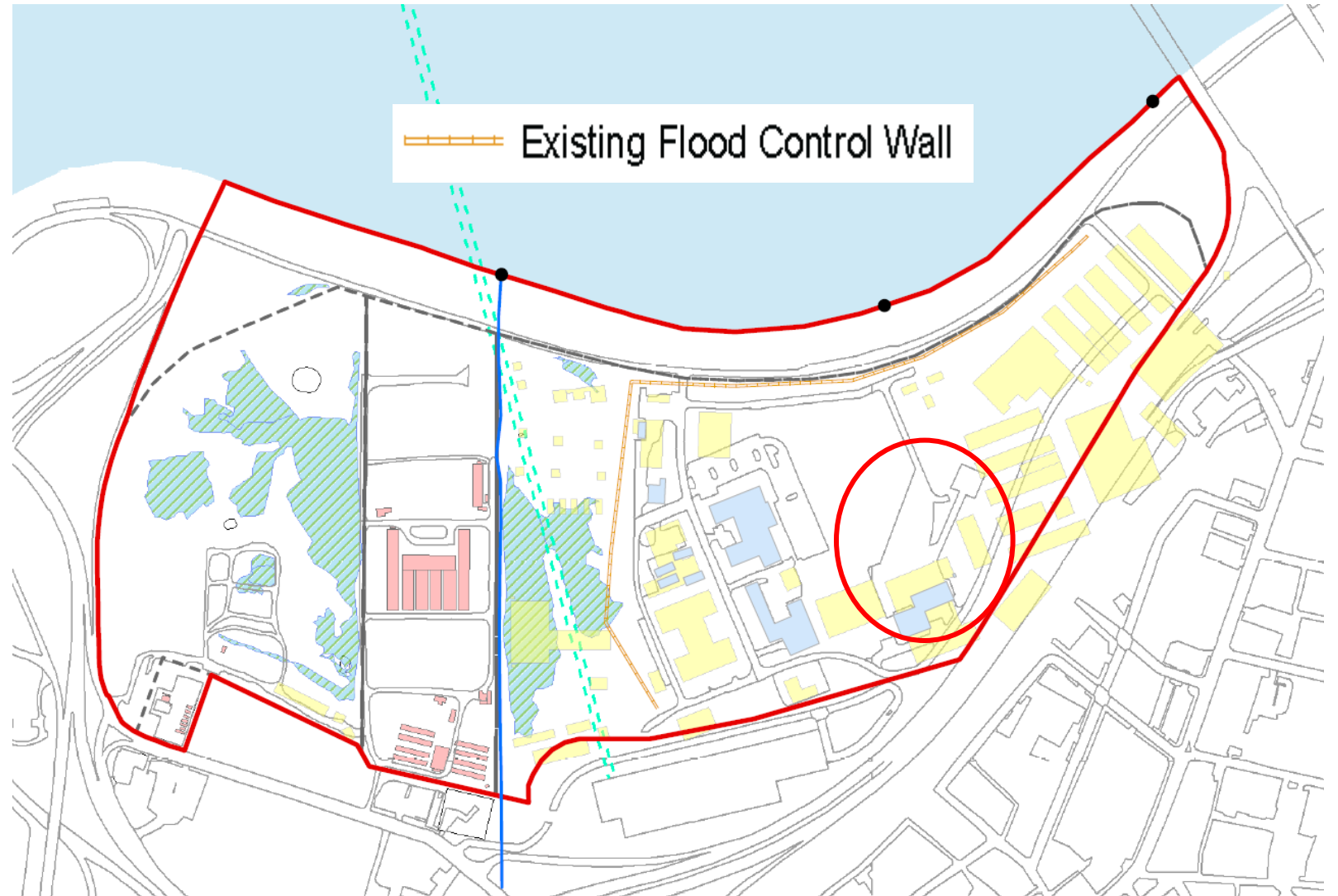


Bonus Army Encampment - 1932



Site Features

- Jurisdictional Wetlands
- Stickfoot Creek
- Existing park buildings
- US Park Police Heliport
- Former greenhouse buildings
- Former NRS buildings
- Green Line Metro tunnel
- Flood control wall



Environmental Conditions

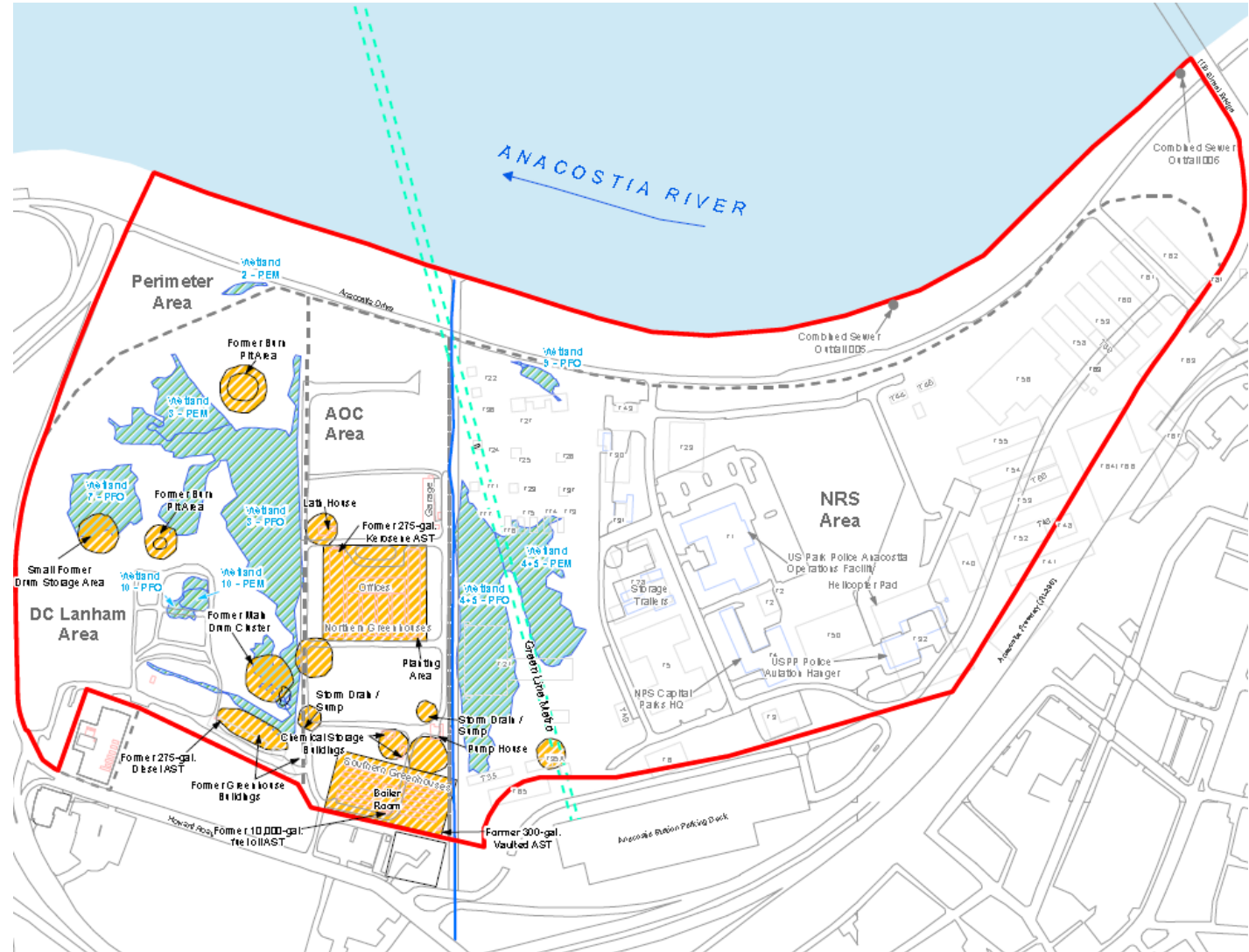
- ▶ Localized historical investigations have identified suspected contamination source areas
- ▶ No site-wide investigation has been completed to determine the nature and extent of potential contamination
- ▶ Understanding of Site geology and hydrogeology is limited
- ▶ Suspected source areas are based on historical site use and prior investigation findings



Suspected Source Areas

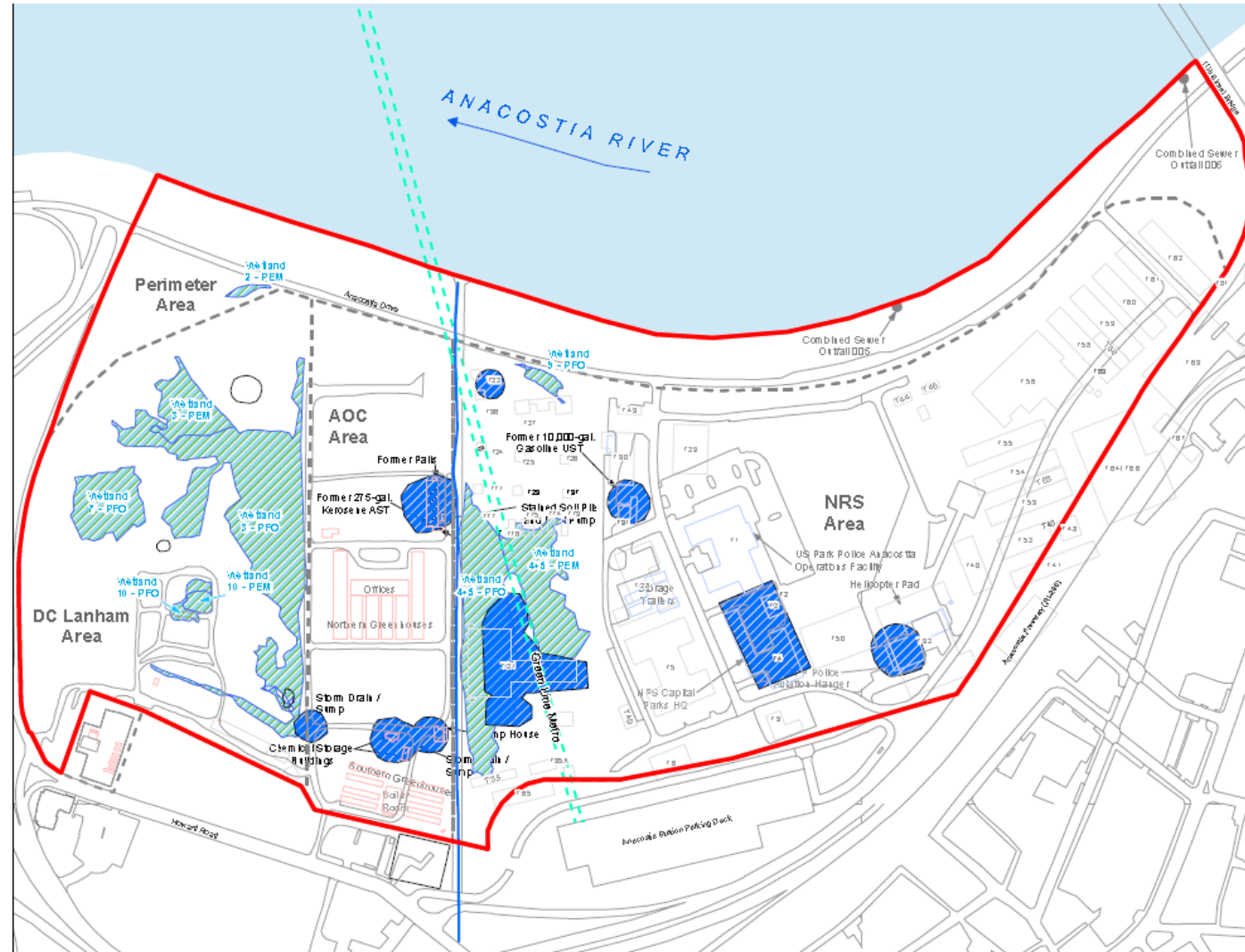
➤ Pesticides

➤ Herbicides



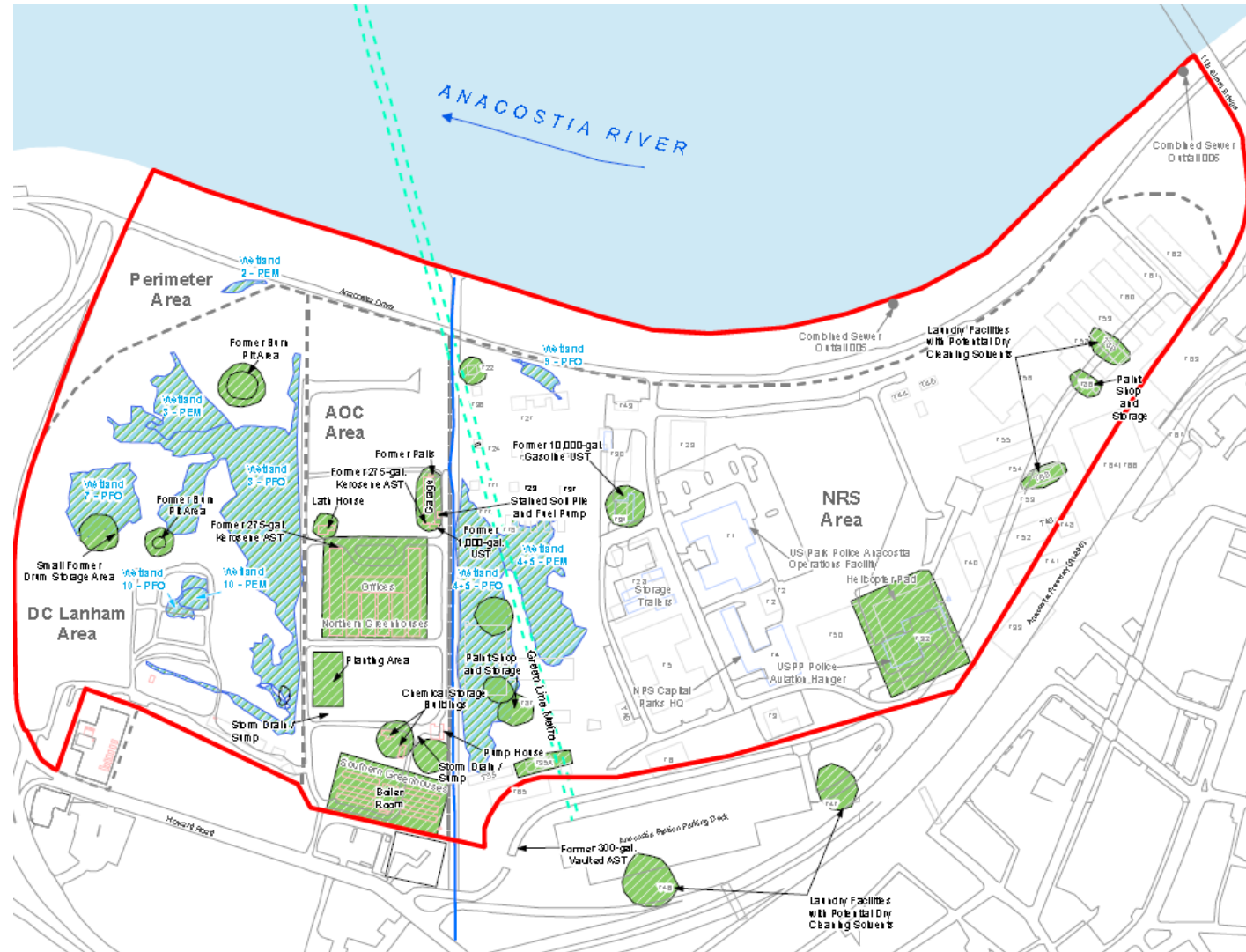
Suspected Source Areas

➤ Metals



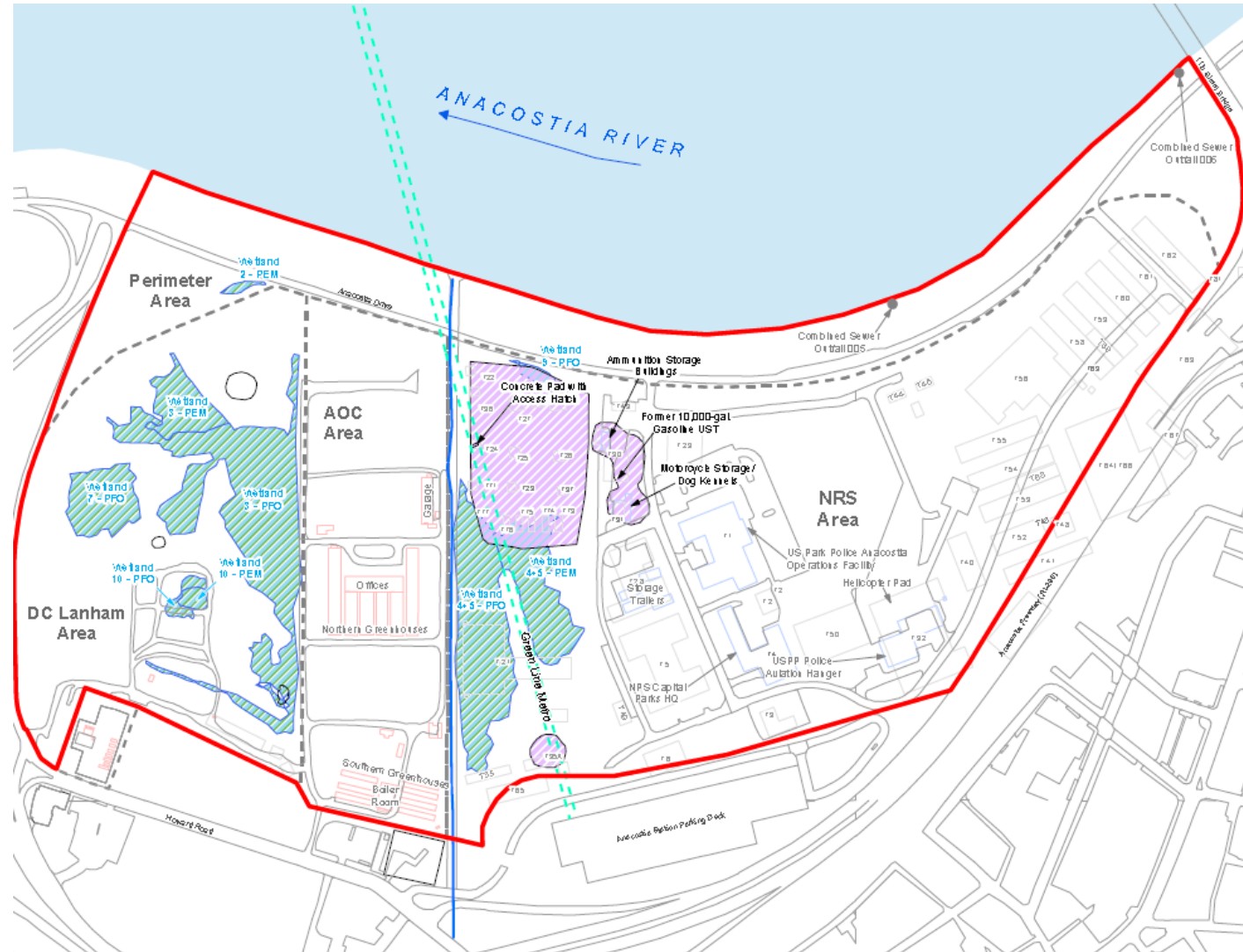
Suspected Source Areas

- ▶ Chlorinated VOCs
- ▶ Solvents
- ▶ Other Organic Compounds



Suspected Source Areas

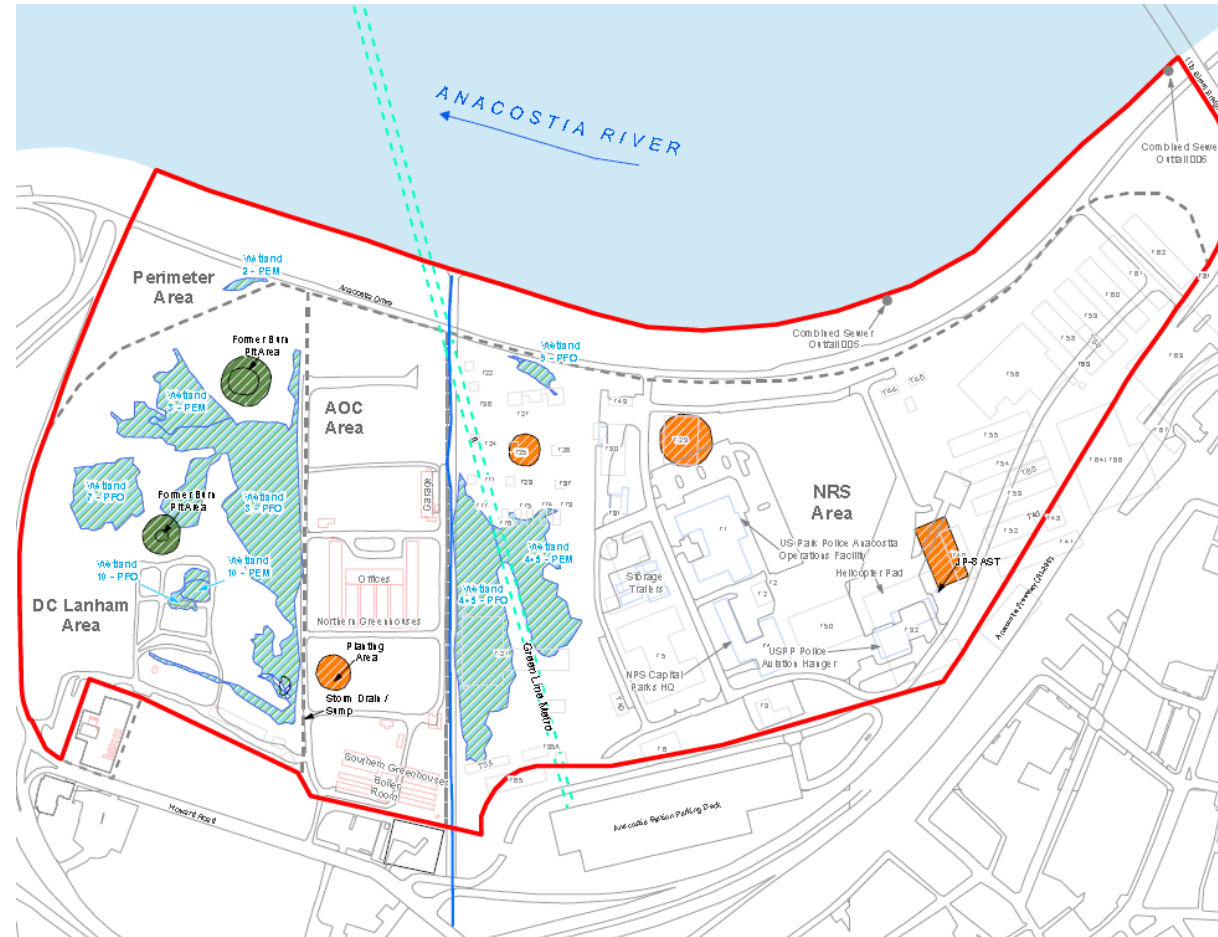
Munitions Constituents



Suspected Source Areas

➤ Dioxins (green)

➤ PCBs (orange)



Summary of Investigation Objectives

- Determine the nature and extent of contamination across the Site
 - Surface and subsurface soil
 - Sediment
 - Groundwater
 - Surface water

- Determine if contaminants in soil serve as ongoing sources of groundwater contamination

- Determine if contaminants are migrating to the Anacostia River

- Determine if contaminants pose an unacceptable risk to human or ecological receptors



Summary of Investigation Scope

- Munitions constituent testing
- Demolition and removal of greenhouse structures
- Removal and disposal of soil piles
- Drilling soil borings and collecting soil samples
- Installation of groundwater monitoring wells
- Development and sampling of new and existing monitoring wells
- Hydraulic testing
- Long-term monitoring of groundwater levels in response to tidal fluctuations
- Collecting surficial soil and sediment samples using incremental sampling method (ISM)



Project Status

- ▶ Field work expected to start in first quarter of 2018
- ▶ DOEE currently revising planning documents in response to NPS comments
- ▶ Special Use Authorization is under negotiation to facilitate Site access
- ▶ Community Involvement Plan and Administrative Record are under preparation and will be released prior to the start of field work



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Questions?

