

DuPont Pompton Lake Remediation Project :

CAG Project Update and RCRA Permit Modification Process

GOALS FOR TONIGHT:

- Help CAG understand the project and process for public input, selection of remedies and subsequent activities
- Help EPA understand how we can satisfy your needs

Issues To Be Addressed

- ▣ Permit process
- ▣ Objectives of the remediation
- ▣ Scope of the work
- ▣ Scheduling
- ▣ How EPA can be responsive

Why is a Permit Modification Needed?

- Original permit addressed investigation of site
- Draft Permit Modification will propose remedies
- Provides opportunity for feedback from stakeholders
- Imposes final remedies

Remediation Project Summary

- Sediments and uplands soils exceed ecological but not human health standards
- Remedial approach for sediment is dredging (in the wet) and restoration
- Remedial approach for upland soil is conventional excavation and restoration
- DuPont has agreed not to utilize on-site disposal as an option

Remedial Action Objectives for Pompton Lake Delta Sediment

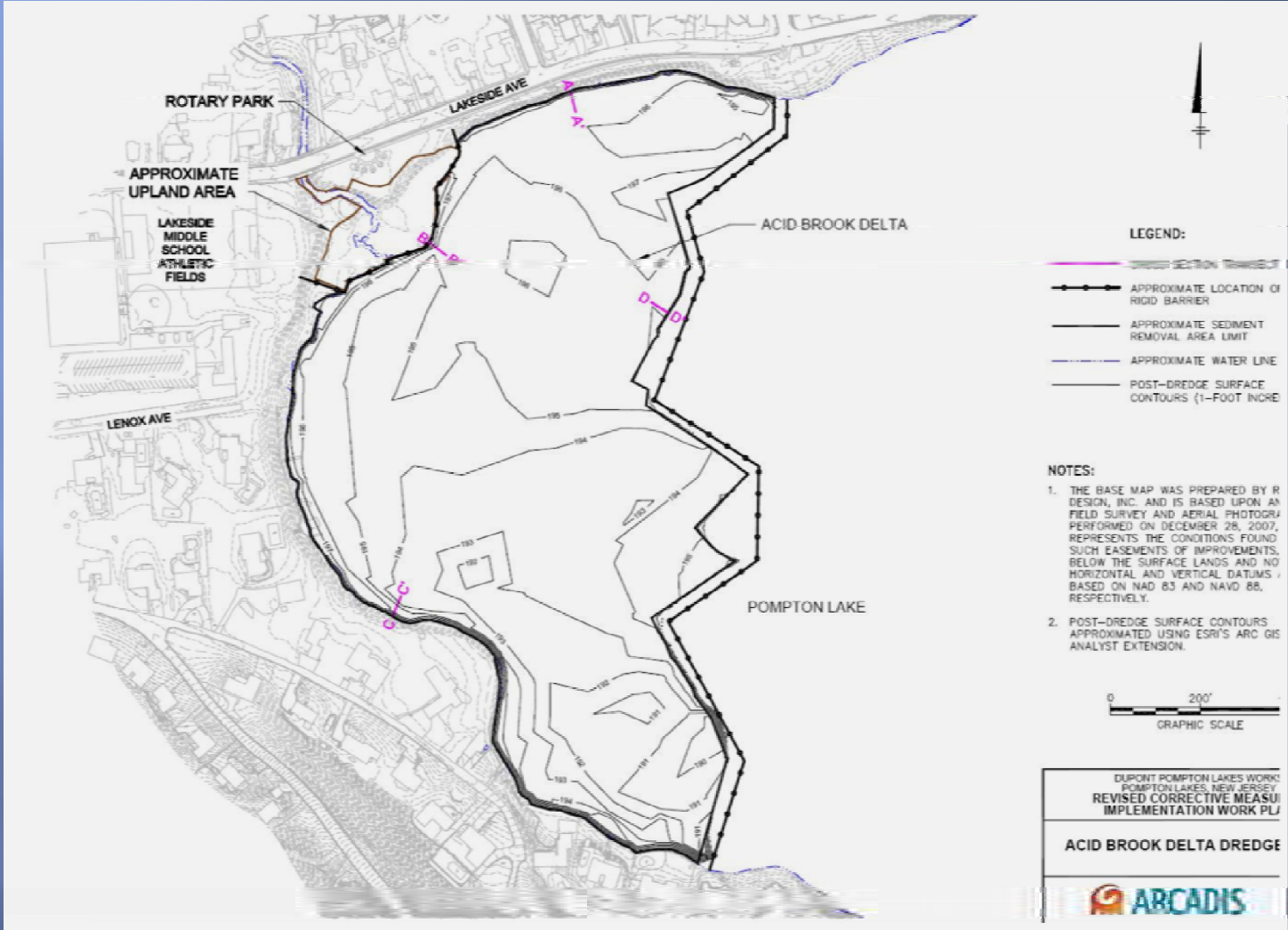
Removal of mercury-impacted sediment will:

- Reduce the potential for mercury methylation in the near-shore sediments.
- Reduce the area where organisms can be affected by exposure to elevated mercury concentrations in Lake sediments.

Current Scope of Work for Pompton Lake Delta Sediments

- Summarized in Corrective Measures Implementation workplan submitted in December 2010
 - Approximately 68,800 cubic yards of sediments to be removed over 26 acres
 - Rigid barriers will be installed to isolate area to be dredged to contain sediments during dredging
 - Sediments will be dredged “wet”
- Project Operations Plan to be developed by contractor
- DuPont will obtain state and local permits necessary to complete remediation

Extent of Delta Dredging



Upland Soil Remedial Action Objectives

- Removal criteria based on the lower of NJDEP Residential Direct Contact Soil Remediation Standards or ecological soil criteria

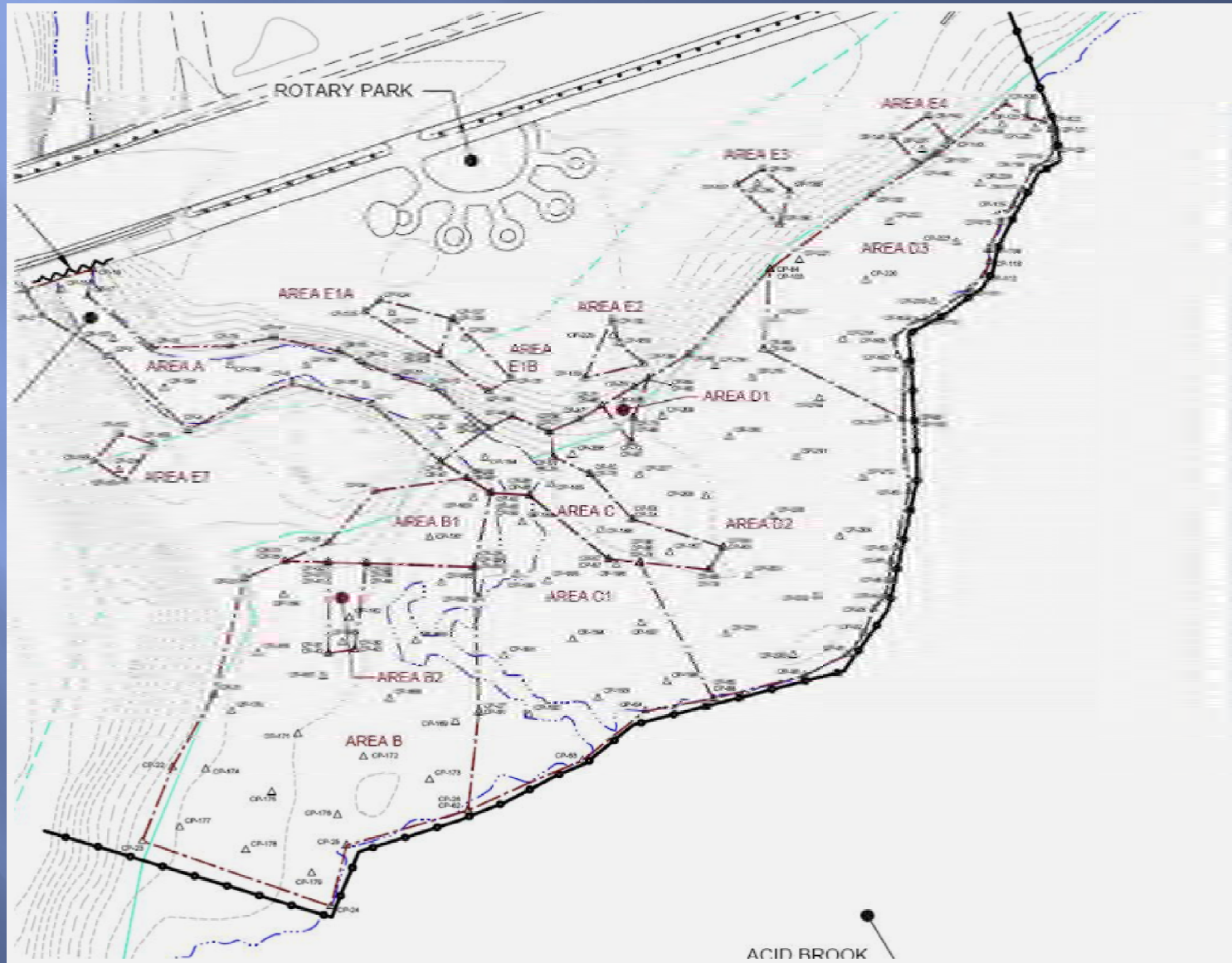
Table 2-1: Uplands RAOs and Removal Criteria

Analyte	Surface Soil Criteria (mg/kg)	Subsurface Soil Criteria (mg/kg)
Copper (Cu)	1,100	3,100
Mercury (Hg)	20.5	23
Lead (Pb)	400	400
Selenium (Se)	5.05	390
Zinc (Zn)	1,507	23,000

Current Scope of Work for Pompton Lake Upland Soil

- Summarized in Corrective Measures Implementation workplan submitted in December 2010
 - Approximately 7,800 cubic yards of soil removed from 17 specific areas across ~1 acre
 - Removal depths range from 0.5 to 8.5 feet
 - Excavation using conventional equipment
- DuPont required to obtain required state and local permits necessary to complete remediation

Extent of Uplands Soil Remediation



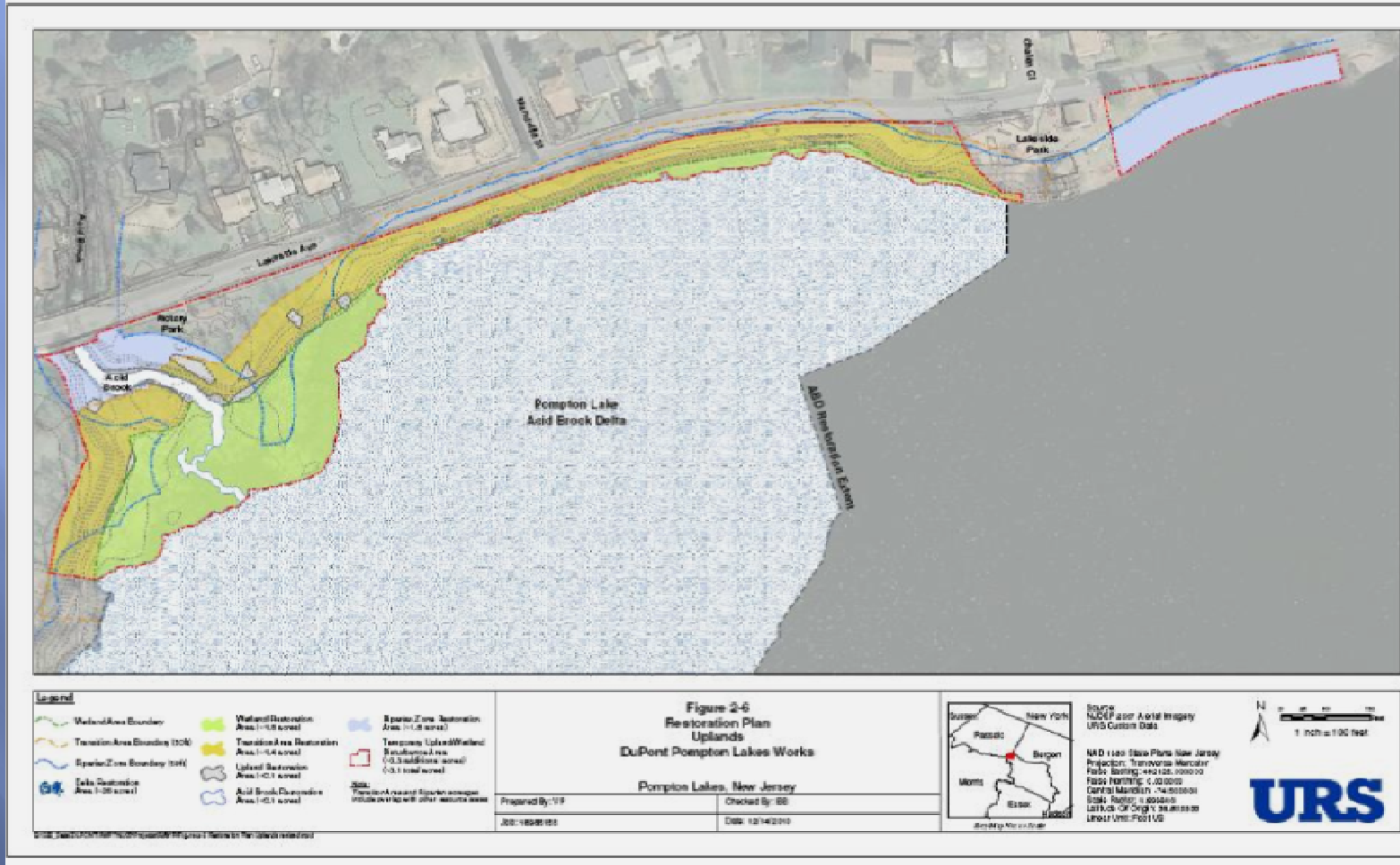
Remediation Elements to be Addressed in Project Operations Plan

- Dredging and excavation methods
- Material handling and transportation methods
- Where sediment dewatering/solidification will be completed and how
- Final disposition of sediment and soil
- Restoration details

Current Scope of Work for Restoration

- DuPont meeting with Lake Restoration Committee to identify potential restoration elements (e.g., increased public access)
- Summarized in Corrective Measures Implementation workplan submitted in December 2010
 - In-kind replacement with native vegetation
 - Enhancement of aquatic habitat and wetland resources
 - Supplemental upland plantings and erosion control features

Restoration of Lake Sediment and Uplands Soil



RCRA Permit Next Steps

- March 2011: DuPont submit application for modification to RCRA Permit to complete lake remediation dredging of sediments and excavation of soil consistent with work plan
- May 2011: Public meeting/hearing to discuss status of project and proposed permit modification
- September 2011: Issuance of modification to site RCRA Permit

Project Operations Plan Next Steps

- June 2011: DuPont hires contractors
- September 2011: DuPont submits “Project Operations Plan” which includes details of dredging, containment, transport, staging, treatment, disposal, and restoration
- October-November 2011: Conduct information sessions to obtain feedback on Project Operations Plan from stakeholders
- December 2011: EPA approval of Project Operations Plan

How Should EPA Supplement Input Into the Permit Process?