

EPA Sampling of Newtown Creek

October 2, 2009

EPA Sampling

- February – April, 2009
- Surface Samples
- Subsurface Samples
- Analyzed for Organics and Inorganics
- Expanded Site Inspection Report (Aug)
- Hazard Ranking System Package (Sep)
- NPL Proposal September 23, 2009



- # Methods
- Surface Samples – Modified Van Veen
 - 0 – 2 Feet
 - Subsurface Samples – VibraCore
 - 4 – 6 Feet
 - Analyzed by EPA’s Contract Laboratory Program
 - Validated

Results

- Metals
 - Copper and Zinc Exceeded 1% by Weight
- Volatiles
- Semi-Volatiles
 - Including PAHs and PCBs
 - PAHs (21,000 ug/kg as Benzo(a)Pyrene)
 - PCBs (7,400 ug/kg)
- Results are Throughout Creek
 - English Kills to East River

Results (cont)

- Over 1 Million yd³ of Contaminated Sediment
 - 170 Acres
- Impacts:
 - Fishery
 - Sensitive Environments

Background Locations



NPL Proposal

- 60 Day Comment Period (started 9/23)
- EPA Reviews Comments
- EPA finalizes site on NPL
- EPA defers site to another program
- EPA available during this time to discuss results of sampling