Hudson River PCBs Superfund Site

Community Advisory Group Meeting

November 30, 2006

EPA
United States Environmental Protection Agency

Hudson River
PCBs SUPERFUND SITE

Consent Decree Status and Next Steps

- Court ruled processing facility was “on-site” and approved consent decree November 2
- Quality Assurance Project Plan due December 4
- GE is renegotiating terms of contracts 1 (Facility Site Work Construction) and 2 (Rail Yard Construction); original proposals expired and were “escrowed”
- Award of Contract 1 and 2 by December 29, 2006; workplans including schedules due for EPA review 30 days later
- GE divided Contract 3 into construction (3A) and operation (3B), has rebid the contract and is evaluating bids

EPA
United States Environmental Protection Agency

Hudson River
PCBs SUPERFUND SITE

Hudson River Phase 1 Dredge Areas: Additional Cultural Resource Evaluations

In-River Archaeological Work

- GE/URS September Report (July 2006 diving)
  - Comments being compiled for submittal to GE
- Follow up diving work done by LCMM (late October 2006 diving)
  - Report due in early January
  - Report will be provided to consulting parties
- Next Steps
  - Eligibility/Mitigation/MOA with GE
  - Consulting Parties meeting likely in February

Focus of Recent LCMM Diving Work

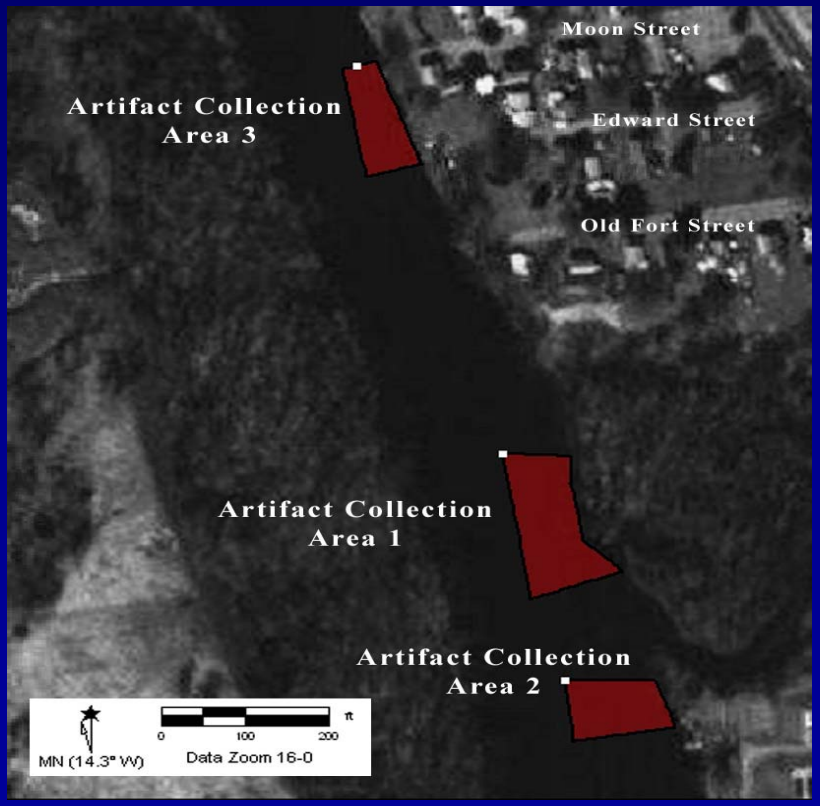
- Artifact scatter
- U-2 (late 18th or 19th century wooden keel boat)
- U-10 (barge with pulley)

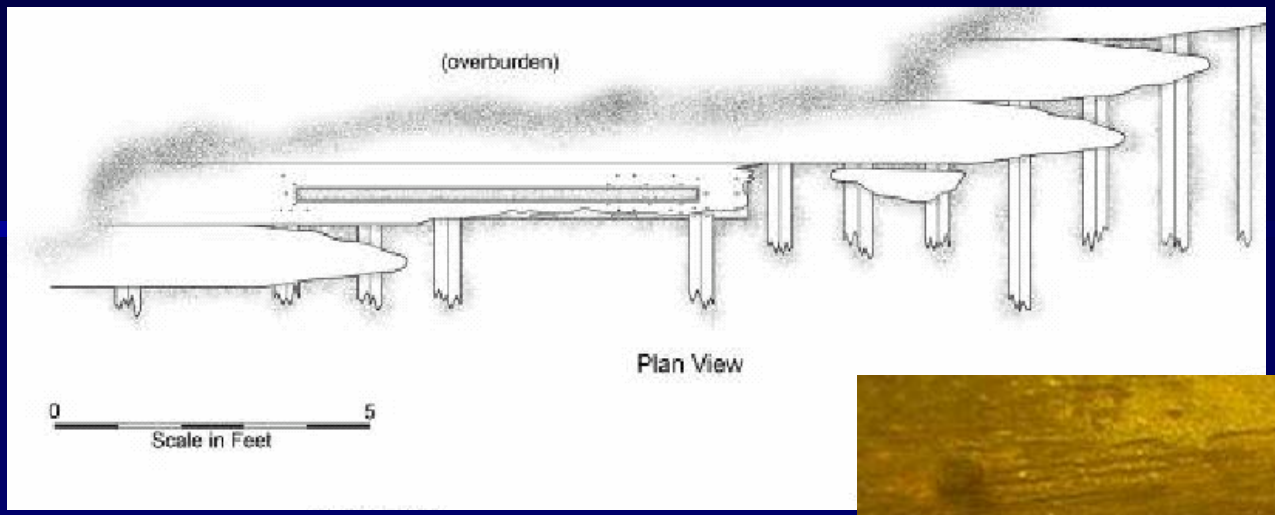
EPA
United States Environmental Protection Agency

Hudson River
PCBs SUPERFUND SITE

Artifact Collection (Scatter)

- Gain additional understanding of scatter
- Systematic diving (including area of known 18th century deposits on the shore)
- Artifacts temporarily housed at LCMM facility





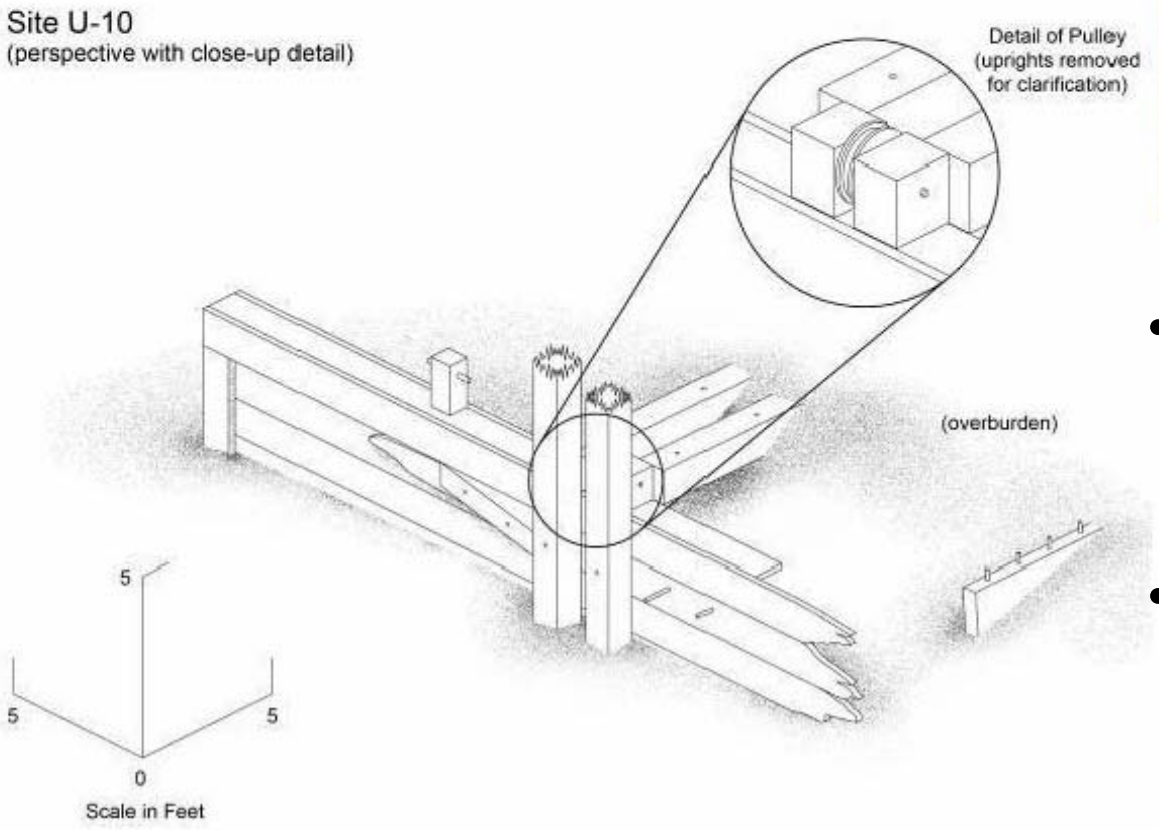
U-2

- Advance our understanding of the resource
- Probing
- Hull curvature measurement
- Systematic diving in the area

EPA
United States Environmental Protection Agency

Hudson River
PCBs SUPERFUND SITE

U10



- **Gather additional information to evaluate vessel function**
- **Visual examination of features**

EPA November 9 Dispute Decision

- GE disputed EPA's comments on Phase 1 FDR that required:
  - Incorporation of contingency measures for protection of public water supplies into the Community Health and Safety Plan
  - Restoring pre-dredging bathymetry in near shore areas

EPA Final Decision
Water Supply Contingencies

- EPA will draft decision criteria that trigger contingency measures and will discuss them with GE prior to finalizing
- GE to conduct options analysis and recommend option(s) for providing additional PCB treatment capabilities and/or alternative water
- As needed, EPA and DOH will facilitate discussions between GE and water suppliers including operational and logistical concerns suppliers may have with respect to contingency options to be considered
- Contingency measures required for Phase 2 may be different than those required for Phase 1
- GE required to implement or pay for contingencies

EPA
United States Environmental Protection Agency

Hudson River
PCBs SUPERFUND SITE

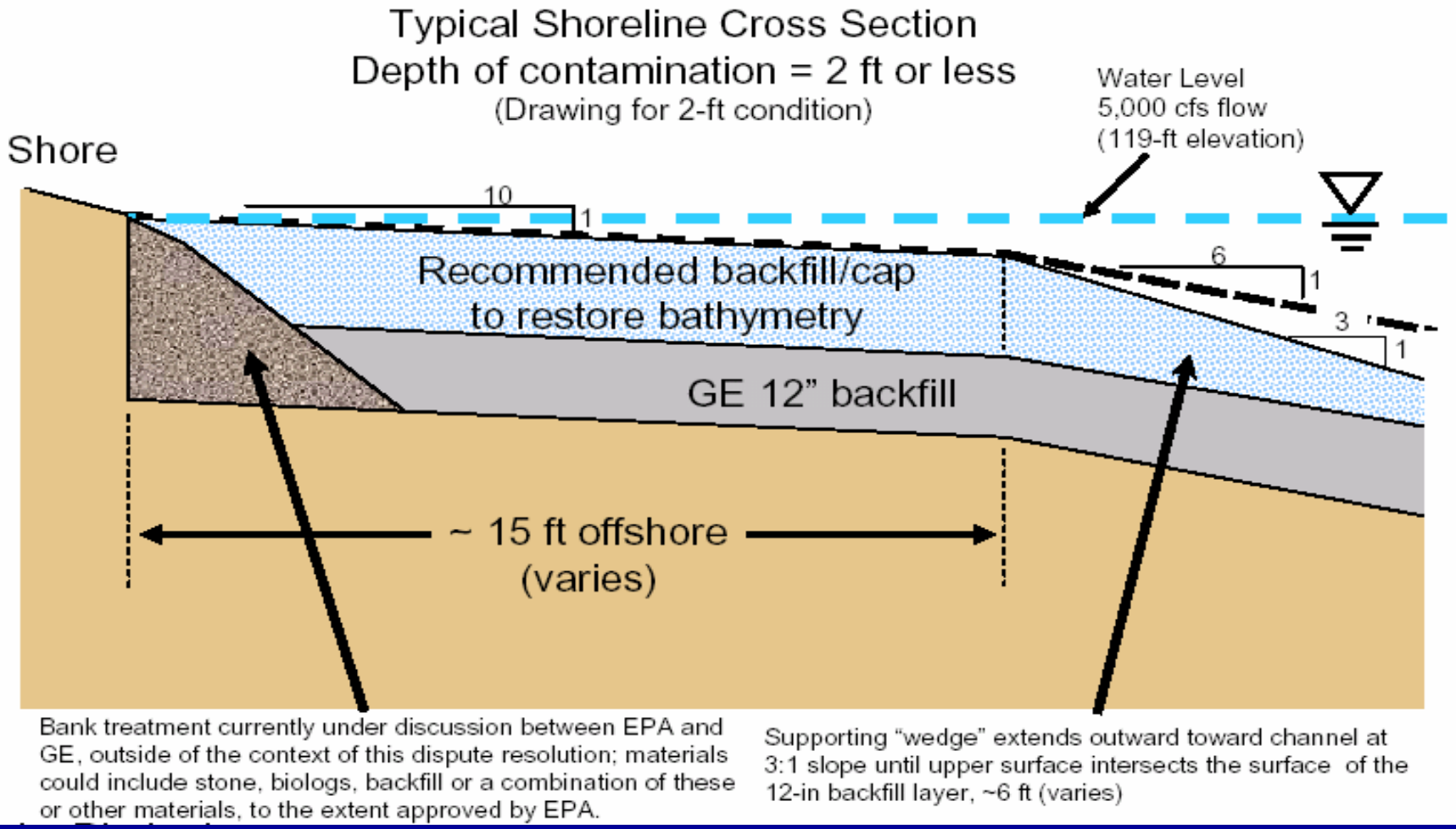
EPA Final Decision
Restoration of Bathymetry in Near Shore Areas

- GE to place backfill or backfill/cap in a manner that maintains the configuration of the pre-existing shoreline in the backfilled or backfilled/capped areas.
- EPA's final decision also defines those near-shore areas in which GE is required, after dredging, to restore bathymetry.
- FDR to include analysis of materials proposed to be used to maintain and restore those areas.

EPA
United States Environmental Protection Agency

Hudson River
PCBs SUPERFUND SITE

Figure 9c
Recommended Backfill



Bank treatment currently under discussion between EPA and GE, outside of the context of this dispute resolution; materials could include stone, biologs, backfill or a combination of these or other materials, to the extent approved by EPA.

Supporting "wedge" extends outward toward channel at 3:1 slope until upper surface intersects the surface of the 12-in backfill layer, ~6 ft (varies)

Contract 5 (Habitat) Update

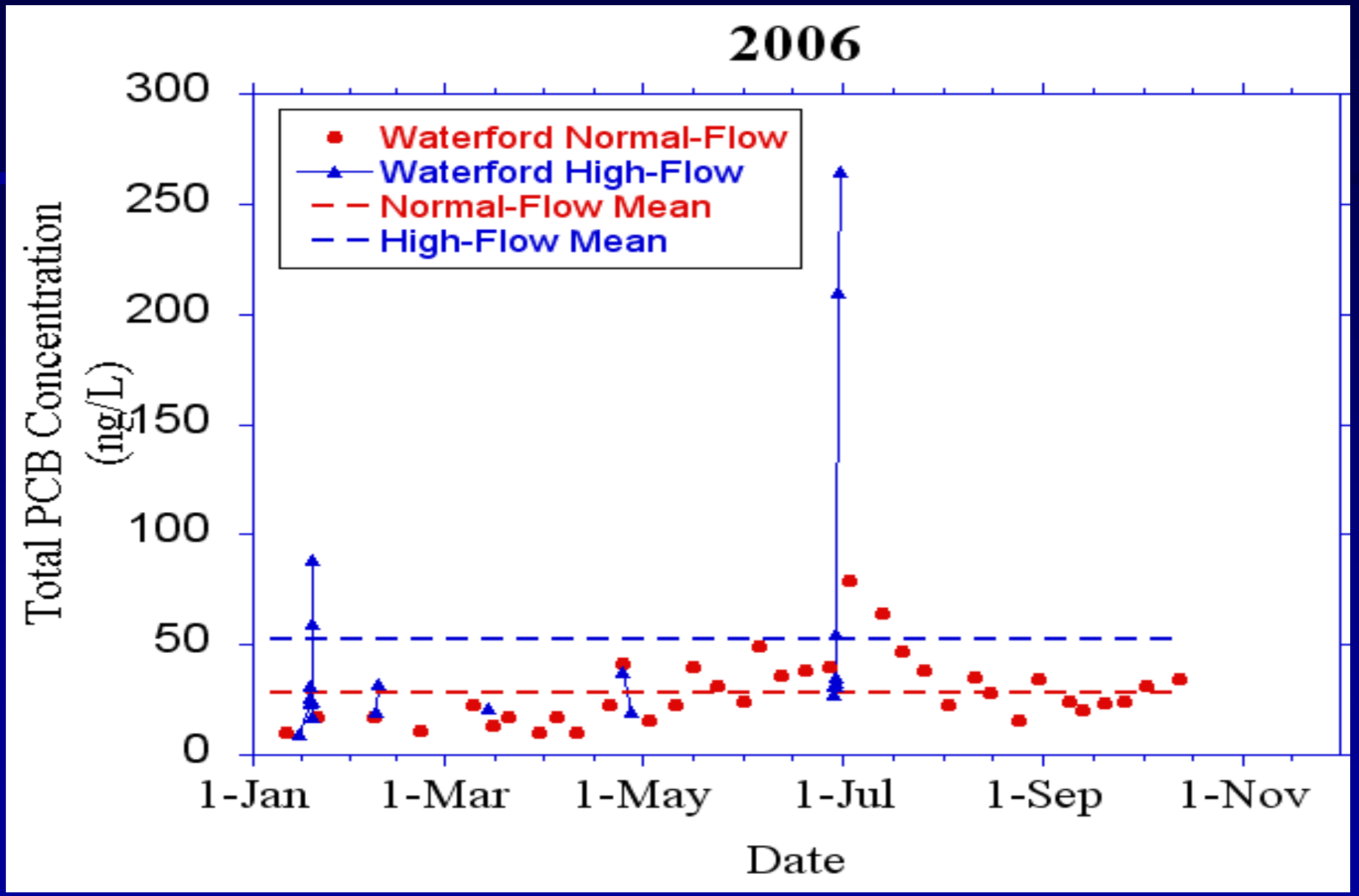
- EPA provided formal comments to GE in July
- GE responded to comments in August
- Disputed comments related to backfill specifications, capping in shallow water, inclusion of habitat layer in caps, replacement of submerged aquatic vegetation (SAV), special considerations for Especially Sensitive or Unique Habitats (ESUH), shoreline stabilization measures
- EPA and GE continue to work towards informal resolution of disputed comments
- Discussion also continues on several other less significant comments, as well as criteria for measuring success of habitat replacement program

Status of Phase 2

- Phase 2 DAD reviewed; comments to be transmitted to GE within the next month or so
- Phase 2 Intermediate Design due 180 days after Phase 2 DAD is approved
- Habitat delineation and assessment field work continued in 2006
- Engineering design field work (e.g., borings, bathymetry, magnetometer work) continued in 2006
- Terrestrial cultural resource evaluations have begun (site reconnaissance)

Hudson River PCB Baseline Water Monitoring

Station	Hudson RM	Frequency
Bakers Falls	197	Yr Round/weekly
Rogers Island	194.2	Yr Round/weekly
Thompson Island	187.5	Mar-Nov/weekly
Schuylerville	181.4	Yr-round/weekly
Stillwater	168.4	May-Nov/weekly
Waterford	156	Yr Round/weekly & High Flow
Albany/Troy	145	May-Nov/monthly
Poughkeepsie	75	May-Nov/monthly



EPA
United States Environmental Protection Agency

Hudson River
PCBs SUPERFUND SITE

EPA Near Shore Sediment Sampling

- Conducted on November 8 to 13
- Five 1000-ft segments were chosen in Phase 1 areas
- Segments represented a range of shoreline slopes and near shore estimated depth of contamination (DOC)
- A total of 53 cores (approximately 280 samples) were collected
- Samples were analyzed in 6 inch intervals
- Summary of data will be available in March/April

EPA
United States Environmental Protection Agency

Hudson River
PCBs SUPERFUND SITE

Questions / Comments

EPA
United States Environmental Protection Agency

Hudson River
PCBs SUPERFUND SITE