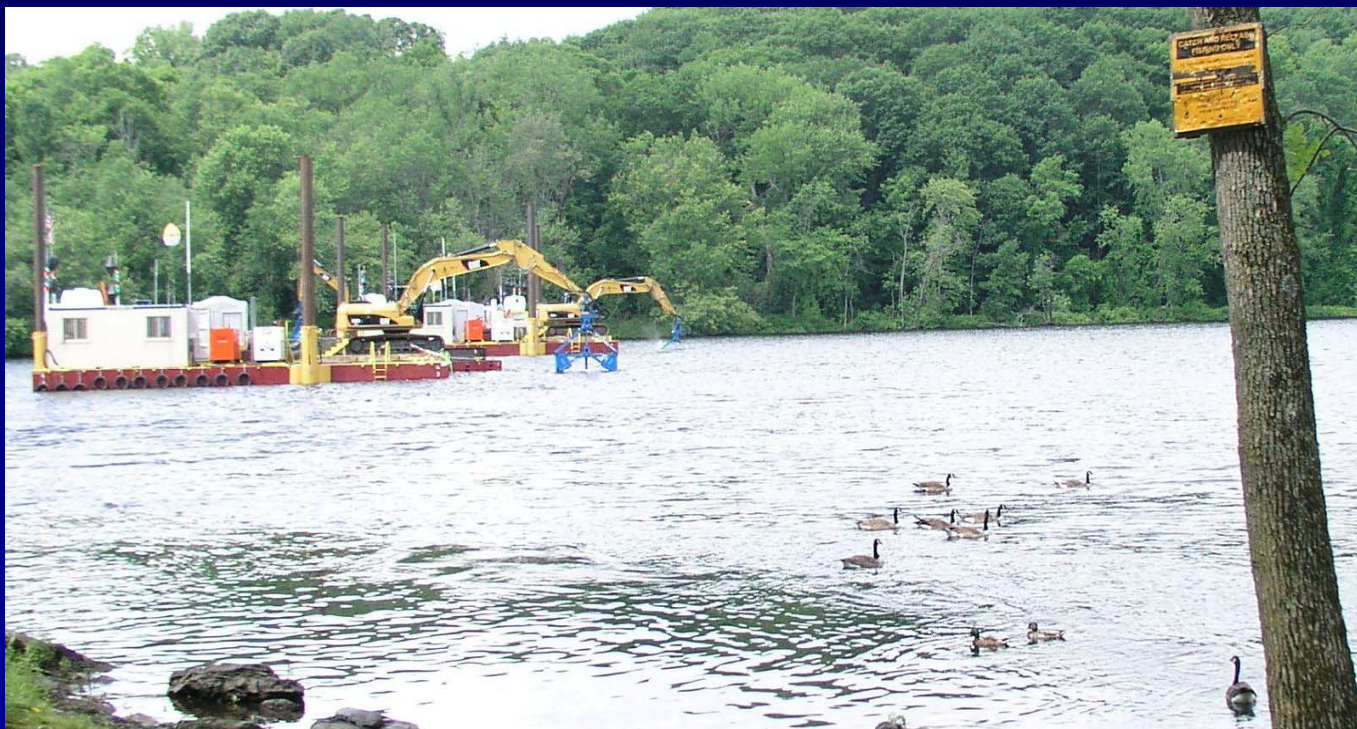


Hudson River
PCBs SUPERFUND SITE

Community Advisory Group Meeting



Fort Edward, Sept. 24, 2009



Dredging Project Update



Update on Phase 1: River Operations

Current River operations:

- **Dredging underway**
 - East and west channel at Rogers Island and CU-18
- **Backfilling underway**
 - CU- 5 and 17

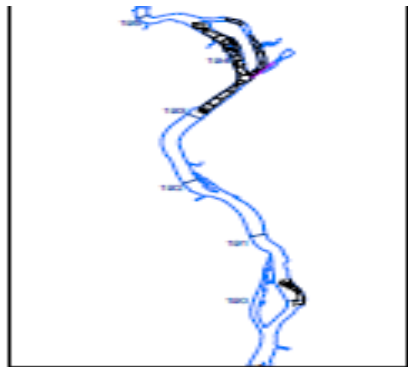
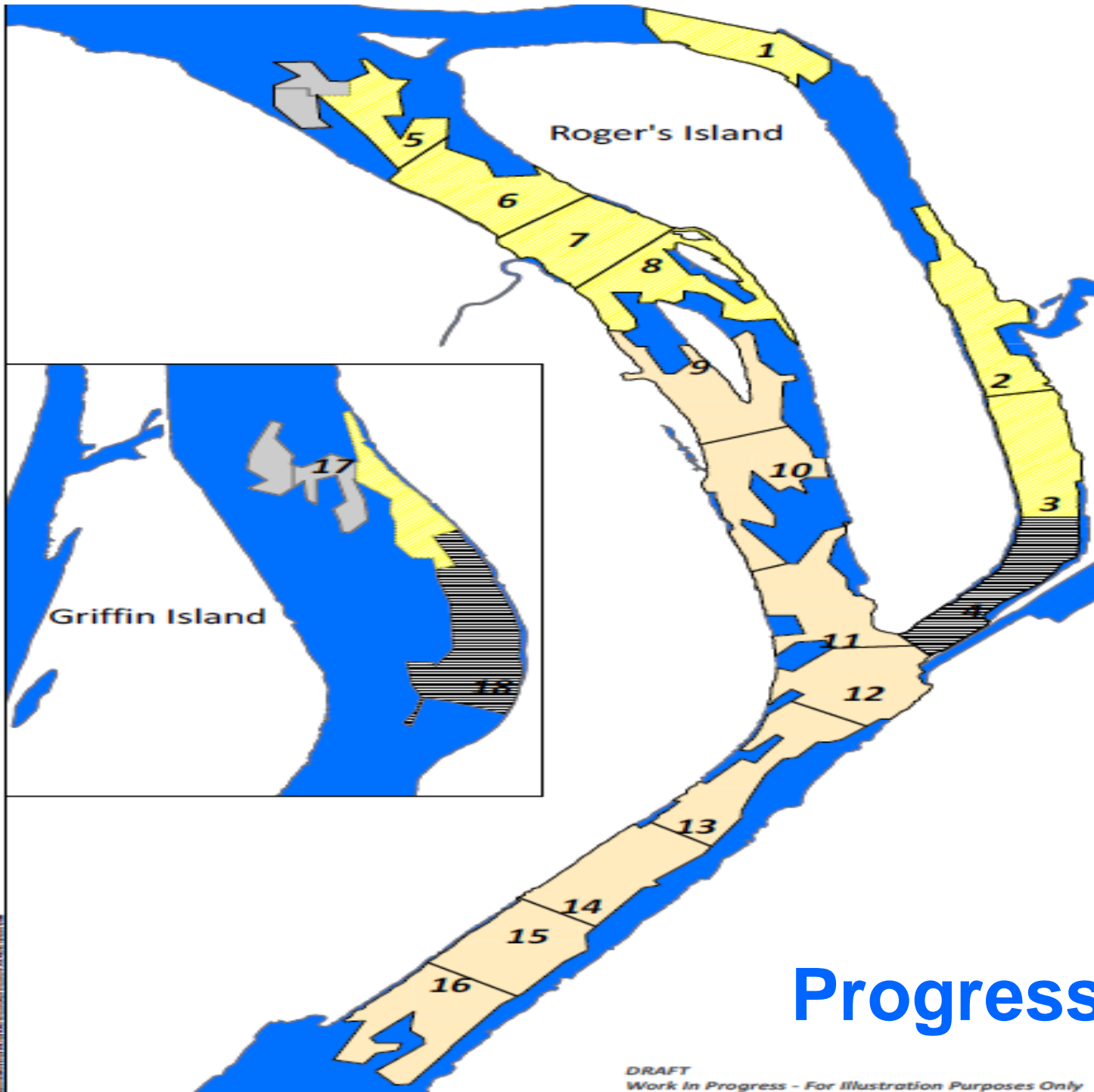












Legend

	CertificationUnits_v11
	CU Polygon
Status	
	Inventory
	Redredge
	Backfill
	Not Started
Hudson River	
	Hudson River

Progress by CU

DRAFT
Work In Progress - For Illustration Purposes Only

Update on Phase 1 (cont)

- **Continuing River Operations Activities:**
 - Residual dredging
 - Certification unit review/approval
 - Backfilling/capping
- Dredging will continue until mid- October
- Backfilling to continue through fall season



Facility Operations



Update on Phase 1: Facility Operations & Transport

Facility Operations:

- Up to 5 barges can be staged
- 24-hour operation started in June
- 5 unit trains have gone to Texas (81 cars in a unit)

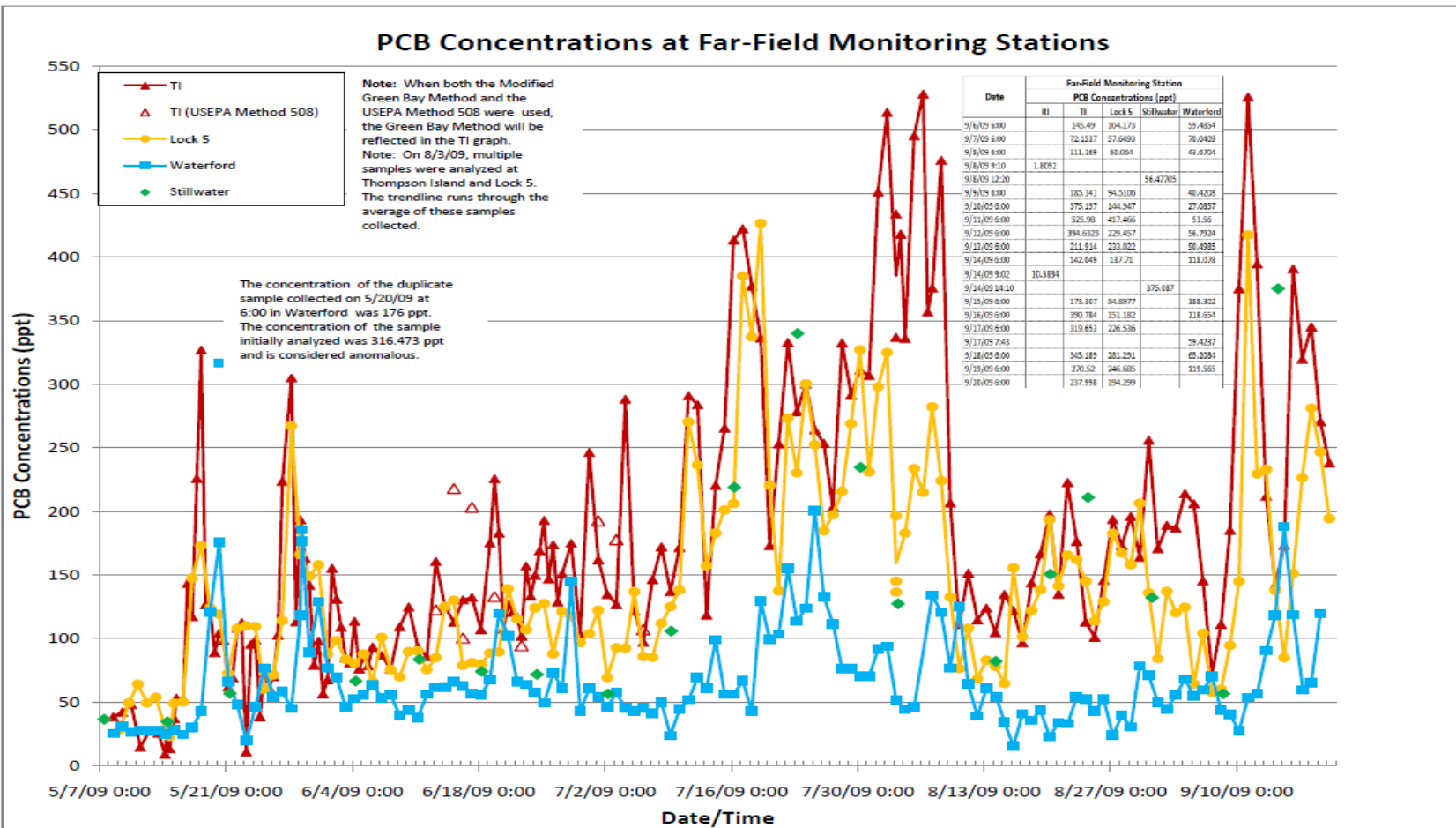


Water Monitoring

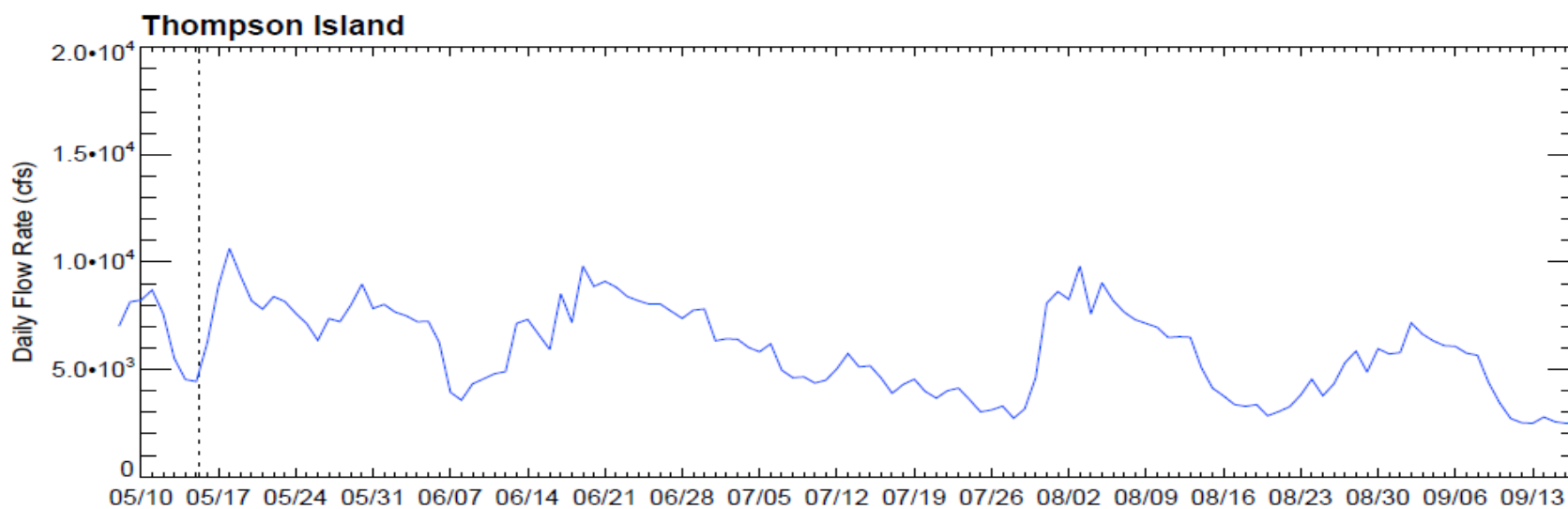
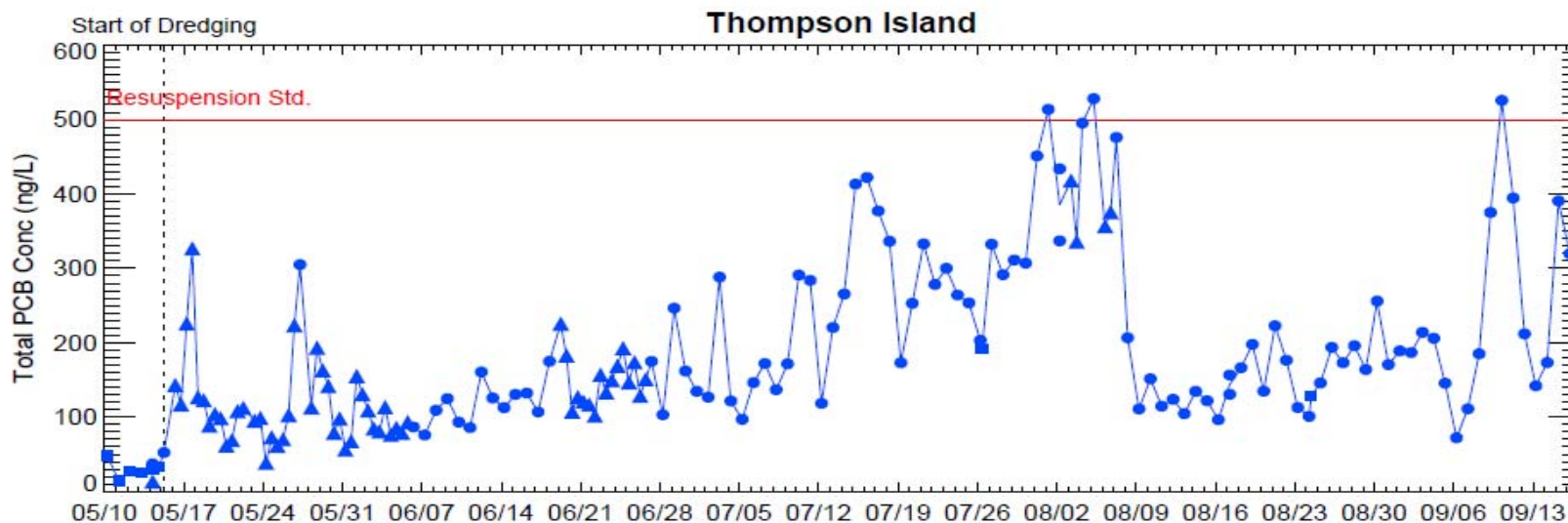
- One standard level exceedance in August
- Dredging halted, contingency monitoring began
- Dredging resumed once monitoring results over two consecutive days were below standard level
- One standard level exceedance in September (not a confirmed exceedance)



PCB Concentrations: Far-Field Stations



PCB Concentration: Thompson Island



Performance Standard Monitoring

Noise:

- One noise exceedance in September

Air:

- Approx 2,000 (24hr) samples collected since start of dredging
 - 65 samples exceeded the standards along dredging corridor
 - 11 samples exceeded the standards at the dewatering facility
 - Approximately 4% of all samples exceeded the standards



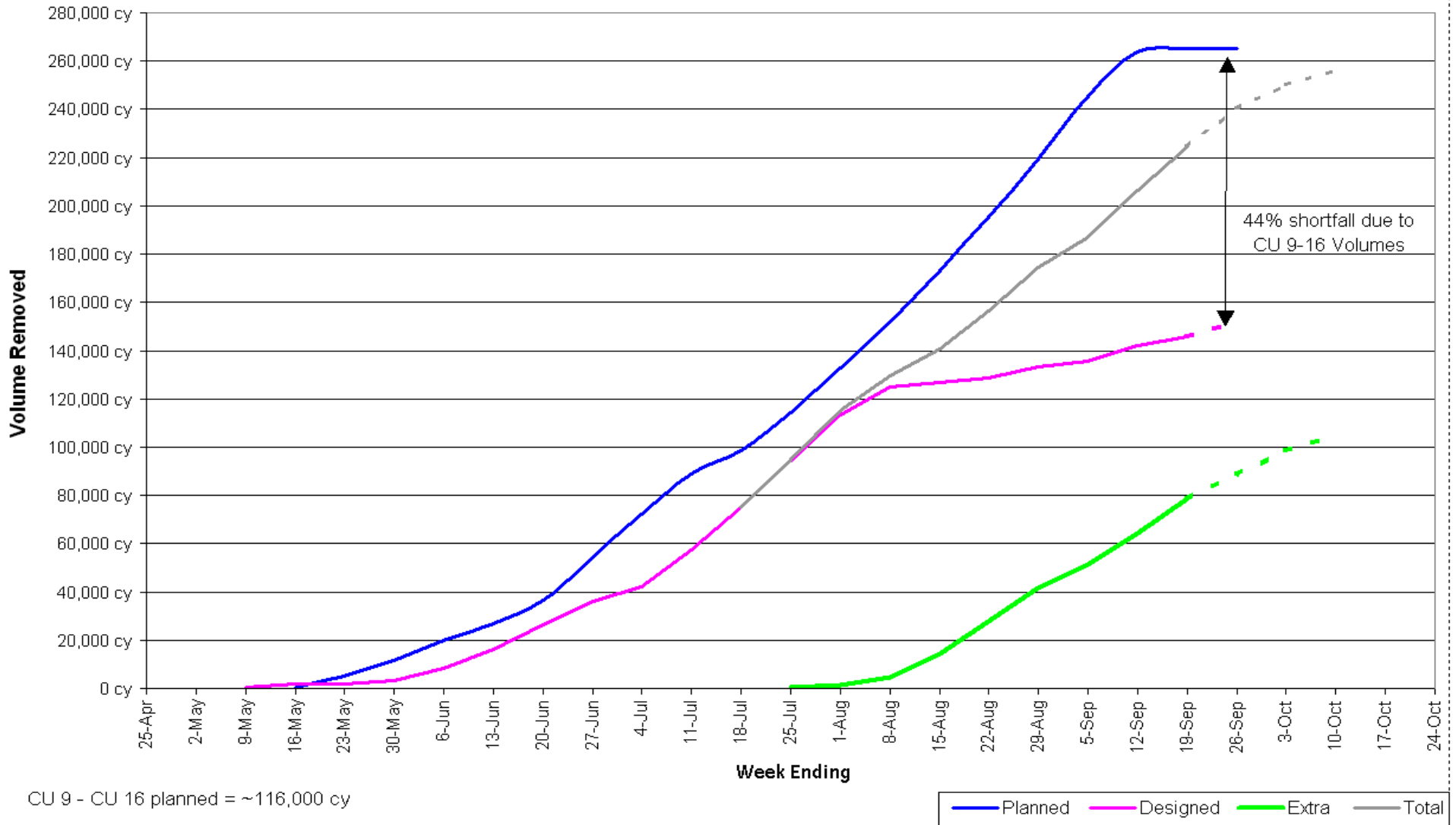
Productivity

- Approximately 224,500 cubic yards dredged as of September 23, 2009.

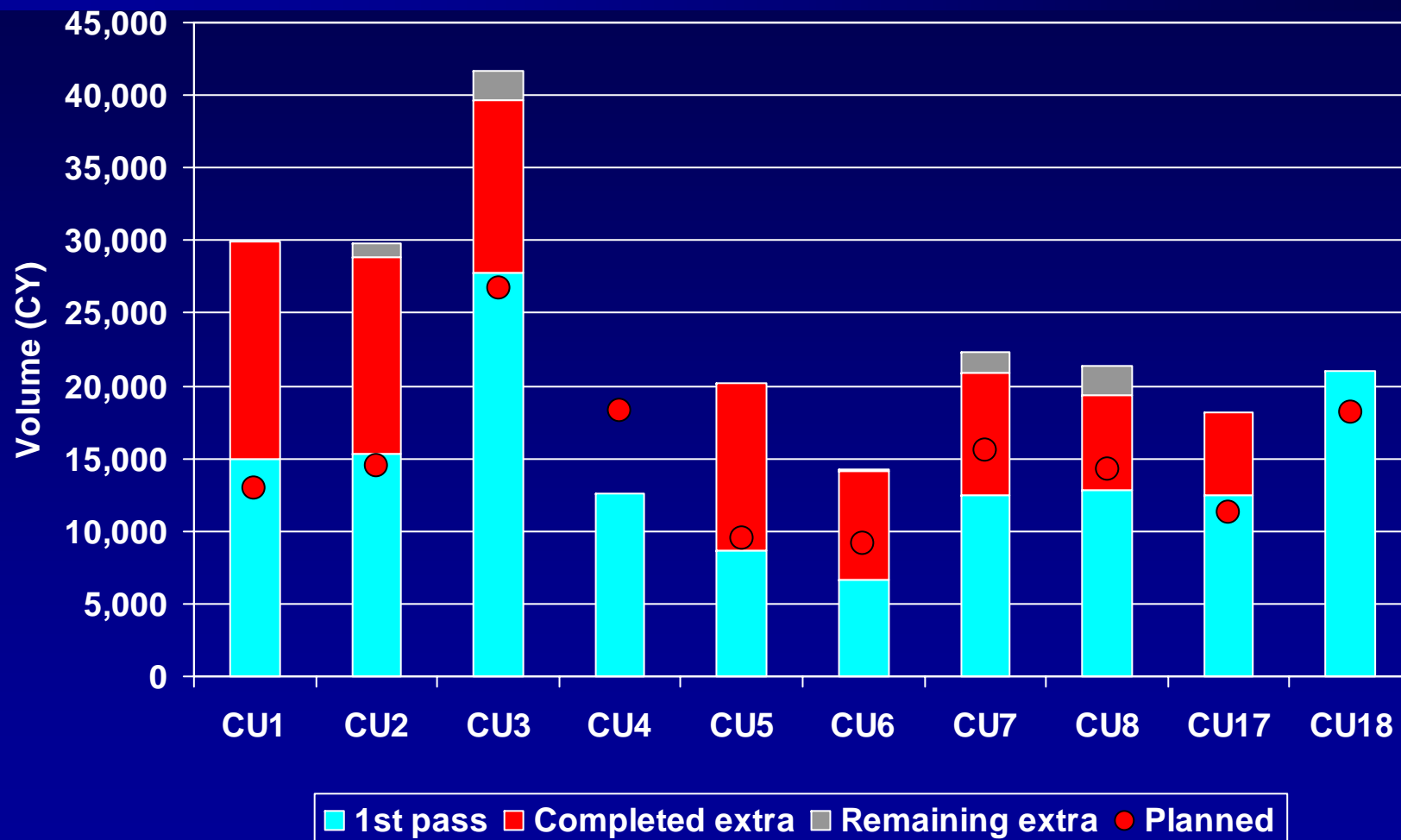


Volumes To Date

Planned vs Actual Volumes of Sediment Removal



Dredged Volume By CU



Cumulative Total PCB Load (kg)

Figure B-1b. Cumulative Net Total PCB Load due to Remedial Activities From Inception of Dredging (May 16, 2009) to September 17, 2009

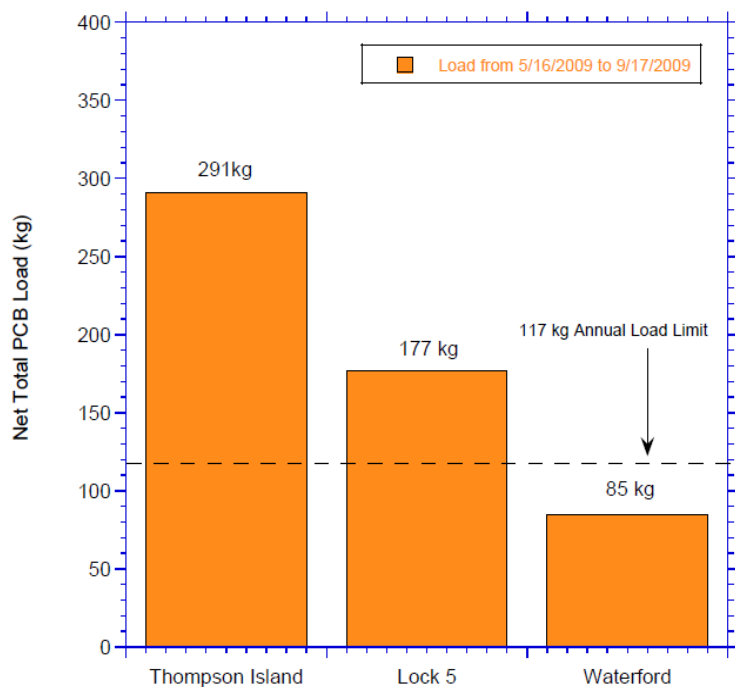
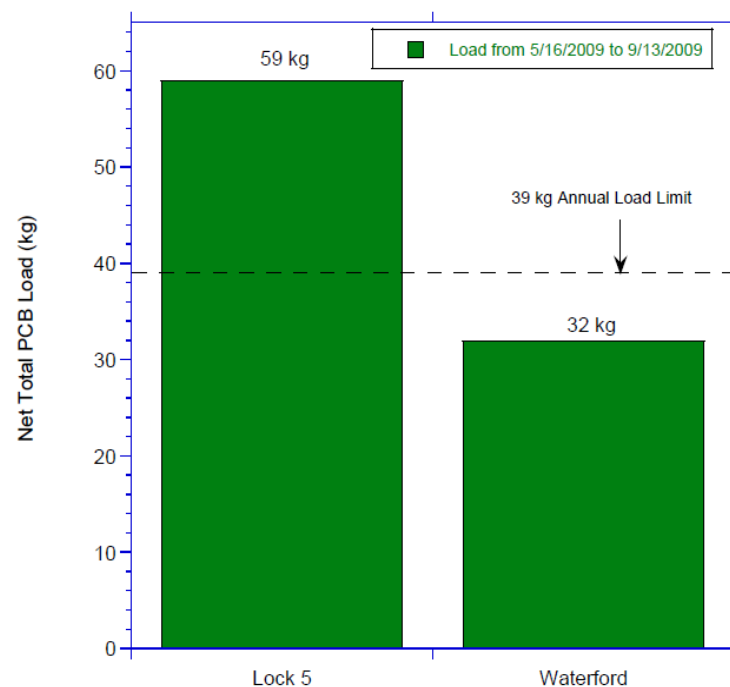


Figure B-2b. Cumulative Net Tri+ PCB Load due to Remedial Activities From Inception of Dredging (May 16, 2009) to September 13, 2009



Load (lbs)

Figure B-1a. Cumulative Net Total PCB Load due to Remedial Activities From Inception of Dredging (May 16, 2009) to September 17, 2009

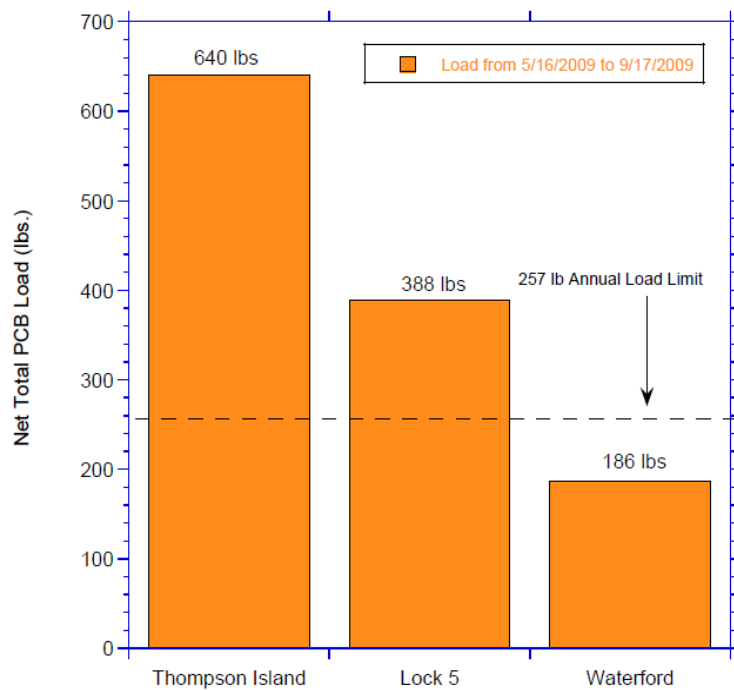
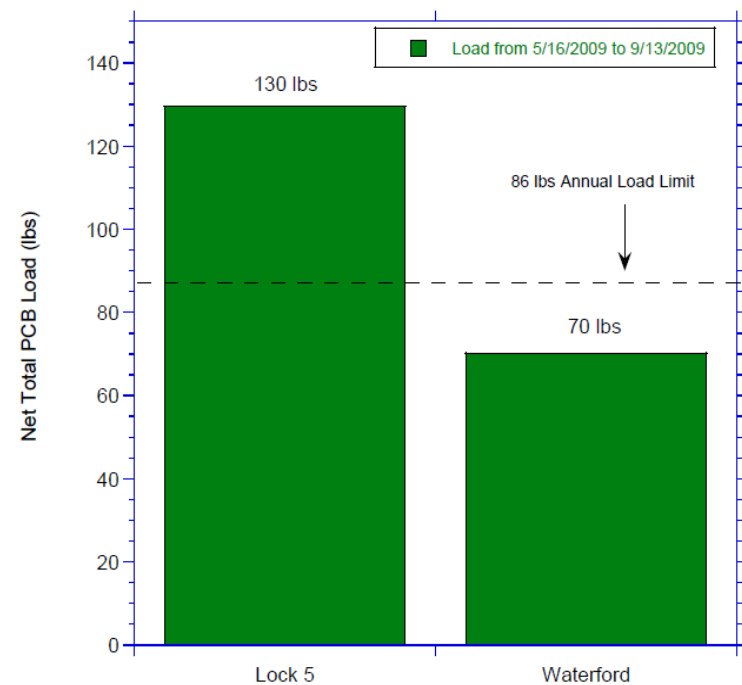
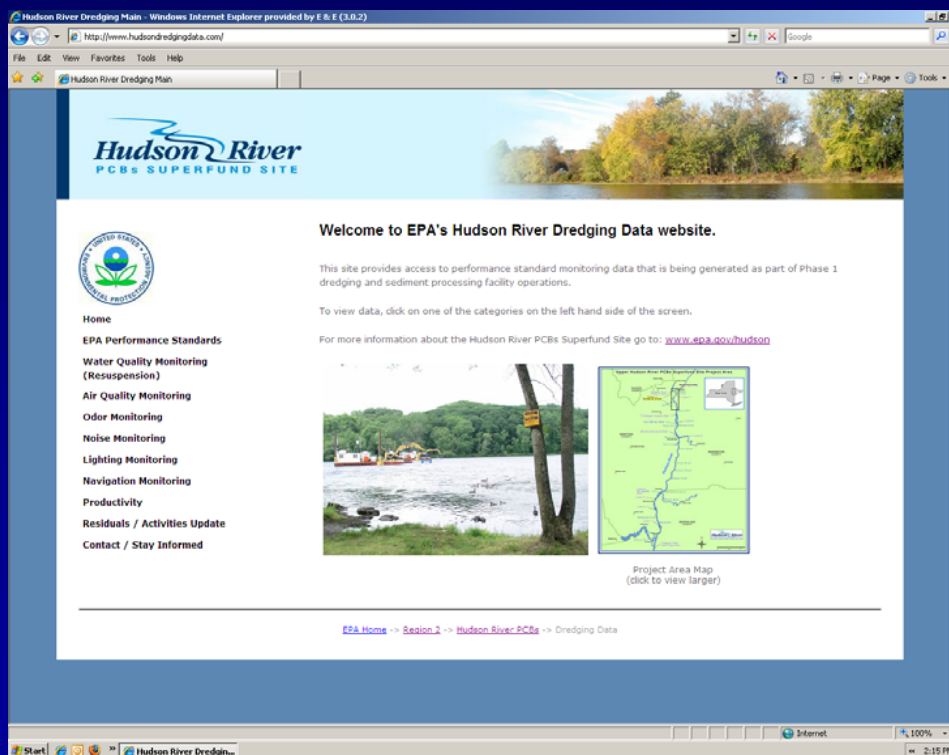


Figure B-2a. Cumulative Net Tri+ PCB Load due to Remedial Activities From Inception of Dredging (May 16, 2009) to September 13, 2009



EPA's Monitoring Data Website

www.hudsondredgingdata.com



Archeological Investigation



Archeological Investigation

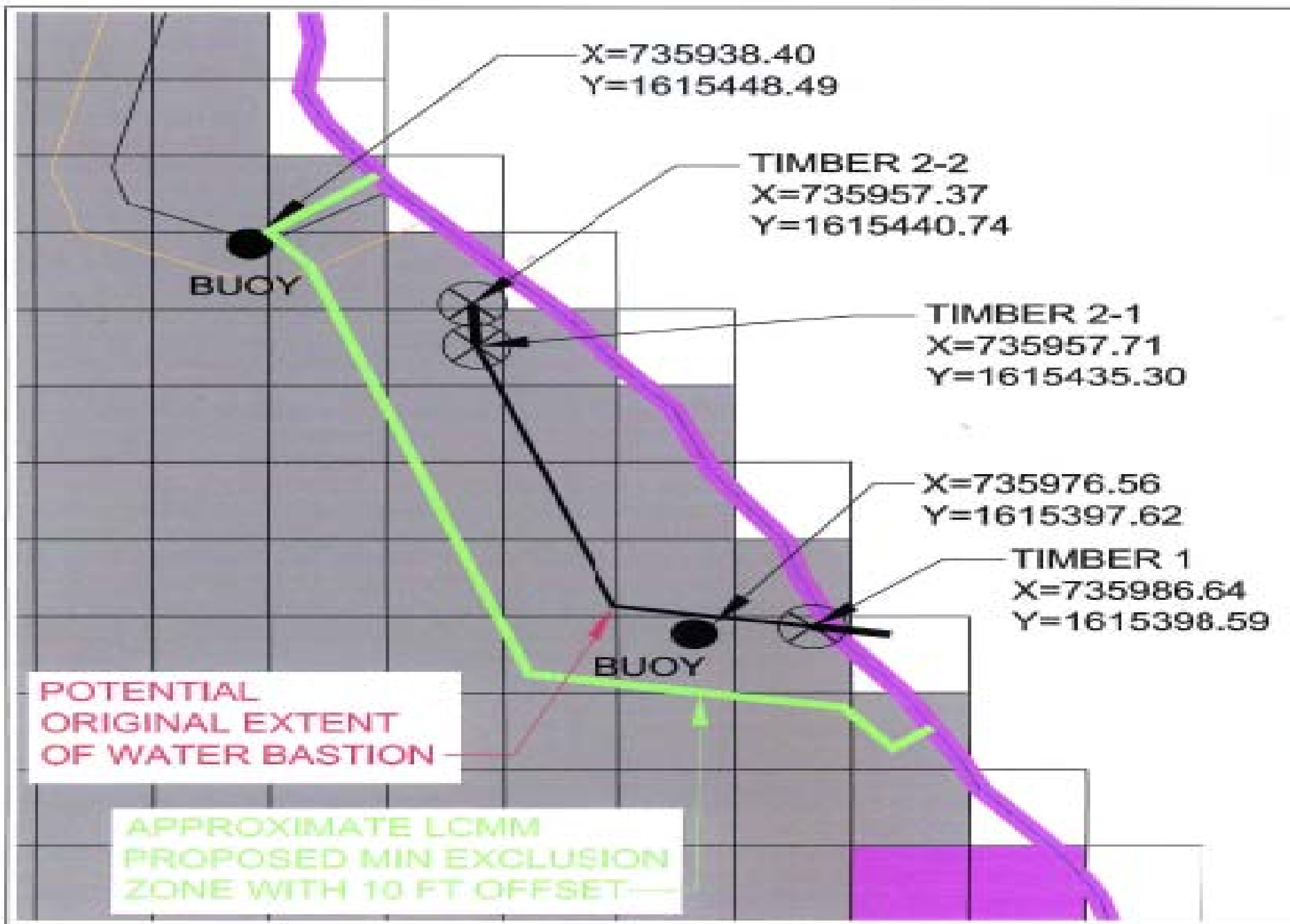
- Archeological work is underway at the site of historic Fort Edward.
- Archeologists have
 - completed underwater studies
 - removed the upper soil layers (recent material) to expose older strata dating from the time of the occupation of the Fort.











EXCLUSION ZONE DETAIL







Fort Edward Timbers:

Drawings and Photo-Mosaics of Timbers Removed from the Hudson River at the Site of Fort Edward

Timber 1



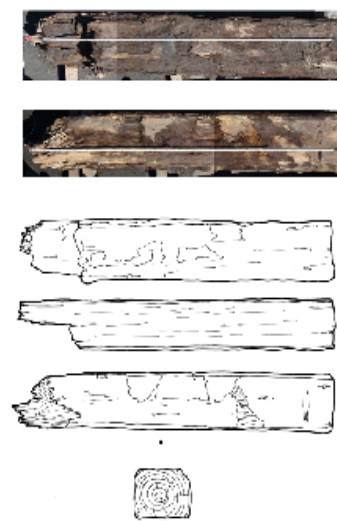
Timber 2



Timber 3



Timber 4

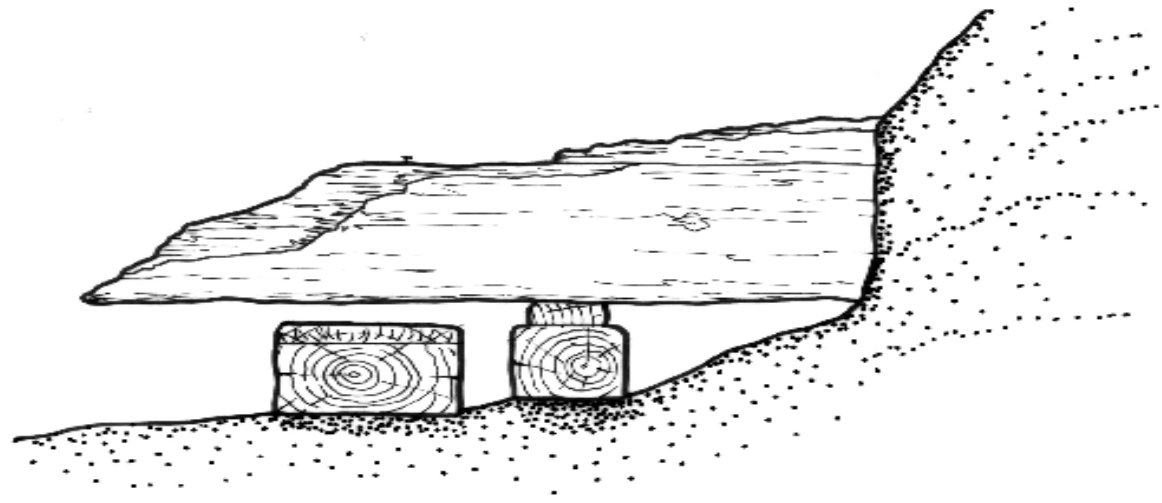


Timber 5

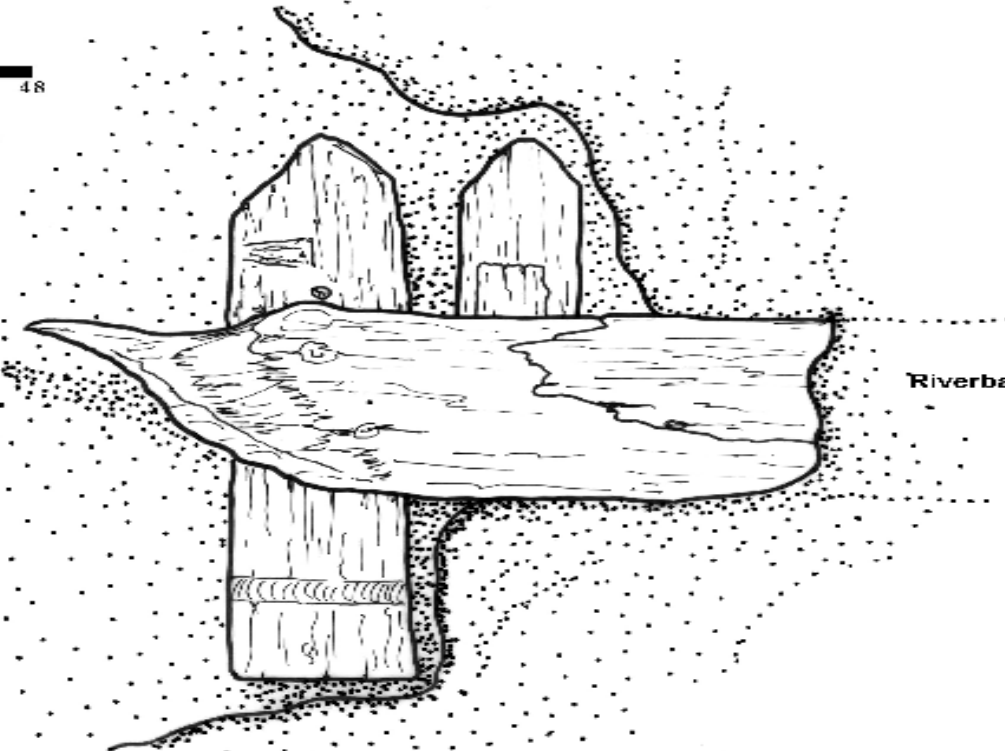


Fort Edward Archaeological Study
Hudson River PCBs Superfund Site
Lake Champlain Maritime Museum
Drawn: Chris Sabick
Inked: Adam Kane
September 2009
In-River Fort Remains
Scale 1"=1'

Profile
Facing Northeast

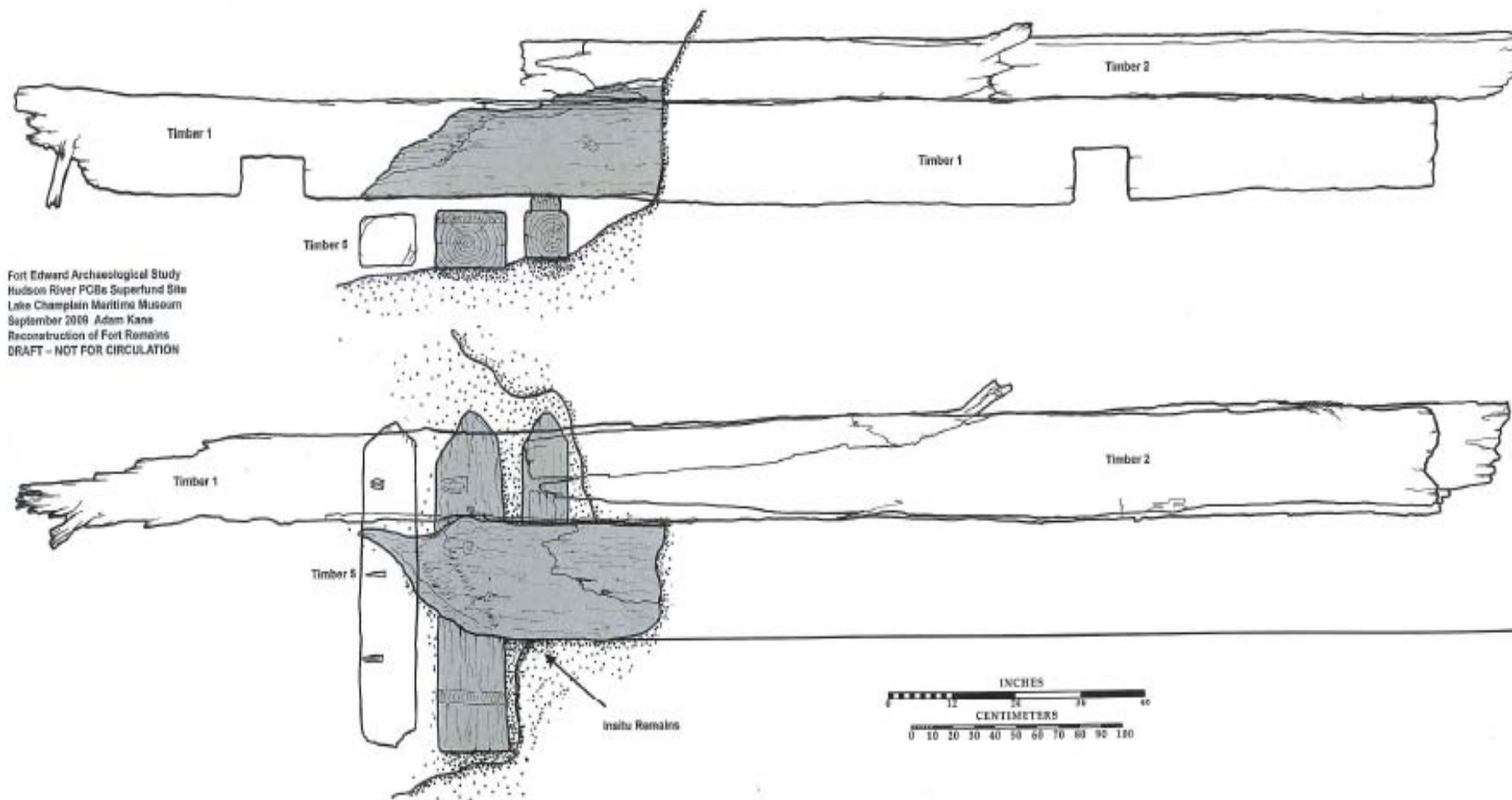


Plan View

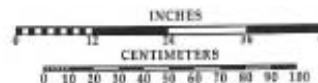


Riverbank/ Sandbags

Documentation by the Lake Champlain Maritime Museum under contract to Ecology & Environment
with support from the U.S. Environmental Protection Agency, Region 2 and General Electric



Fort Edward Archaeological Study
Hudson River PCBs Superfund Site
Lake Champlain Maritime Museum
September 2009 Adam Kane
Reconstruction of Fort Remains
DRAFT - NOT FOR CIRCULATION









Archeology Next Steps

- **Completion of exposure of timbers**
- **Analysis of configuration of timbers (above and below water)**
- **Results of PCB testing of timbers**
- **Preparation of detailed reports**



Post Phase 1 – Next Steps



Post Phase 1 - Next Steps (preliminary schedule)

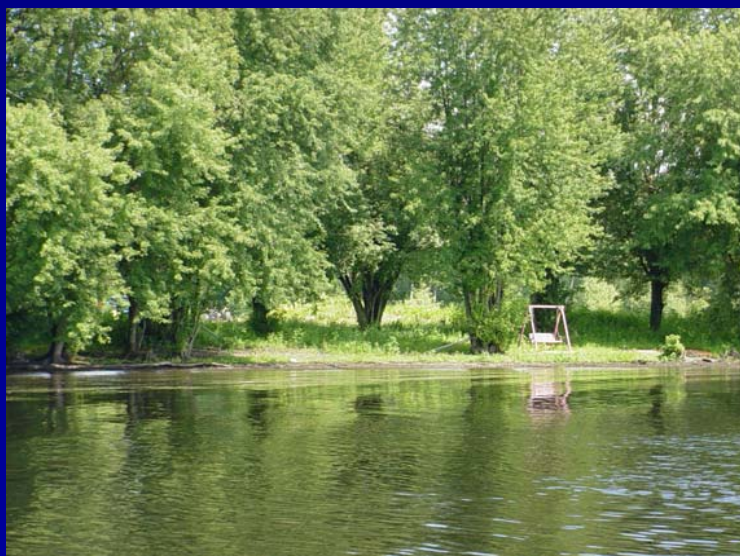
- Peer review panel has been selected (7 members)
- Initial charge questions will be provided to panel
- Panel site tour next week
- GE submits Phase 1 Data Compilation Report (approx Oct- Nov)
- EPA and GE exchange evaluation reports (approx Dec – Jan)
- EPA and GE discuss reports
- Peer review introductory session (2 days) (approx Feb – March)
- Public comment (30 days)
- Peer review panel deliberation process/report (Spring 2010 - Summer 2010)
- EPA and GE discuss potential Phase 2 changes
- GE indicates intention for Phase 2 (Fall 2010)
- Final design/contracting/construction
- Start Phase 2 dredging (2011)

Floodplains Investigation



2009 GE Floodplain Sampling Progress

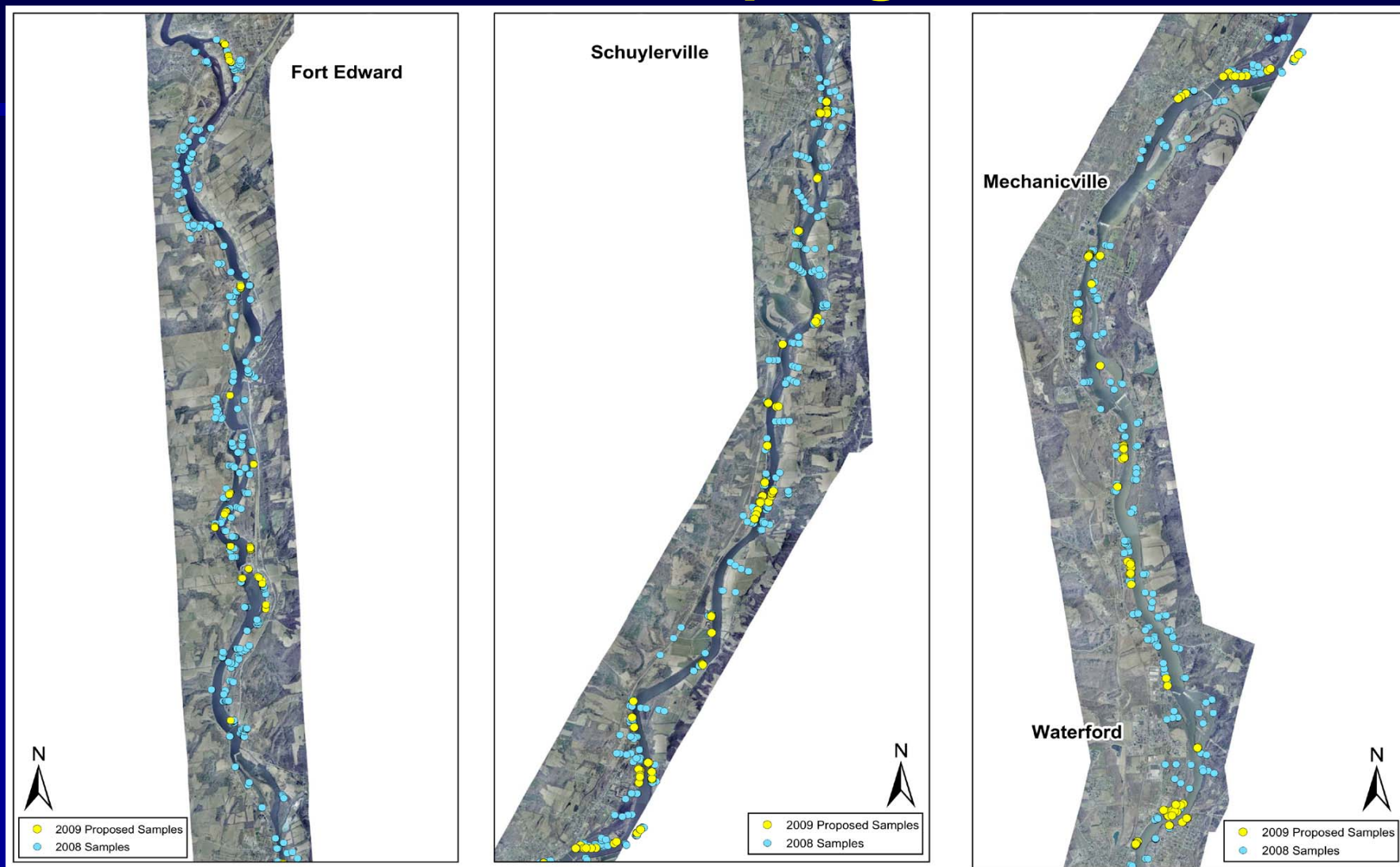
- Over 2200 samples on 290 properties taken during 2008
- 2009 GE Phase 1: Completed August 2009
 - 390 samples on 45 properties
- 2009 GE Phase 2: In progress
 - Approximately 267 samples on 39 properties



2009 Floodplain Sampling Progress

- **2009 EPA Round 1: Completed August 2009**
 - 127 samples on 23 properties
 - Includes 45 samples in 15 agricultural fields
- **2009 EPA Round 2: To be conducted Fall 2009**
 - Approximately 150 samples at approximately 50 locations on 20 properties
 - Includes approximately 30 samples at 10 locations in 5 agricultural fields

2008 and 2009 Sampling Locations



Next Steps

- **2009 IRMs: 8 properties being capped this fall, additional properties to receive signage**
- **Additional properties to be evaluated for IRMs next season**
- **EPA and GE discussing next steps in performance of Remedial Investigation**
- **At the end of this season we will have collected approximately 4500 floodplain soil samples on 365 properties.**
- **Other – Continue private well sampling (DOH)**

Comments/Questions

