

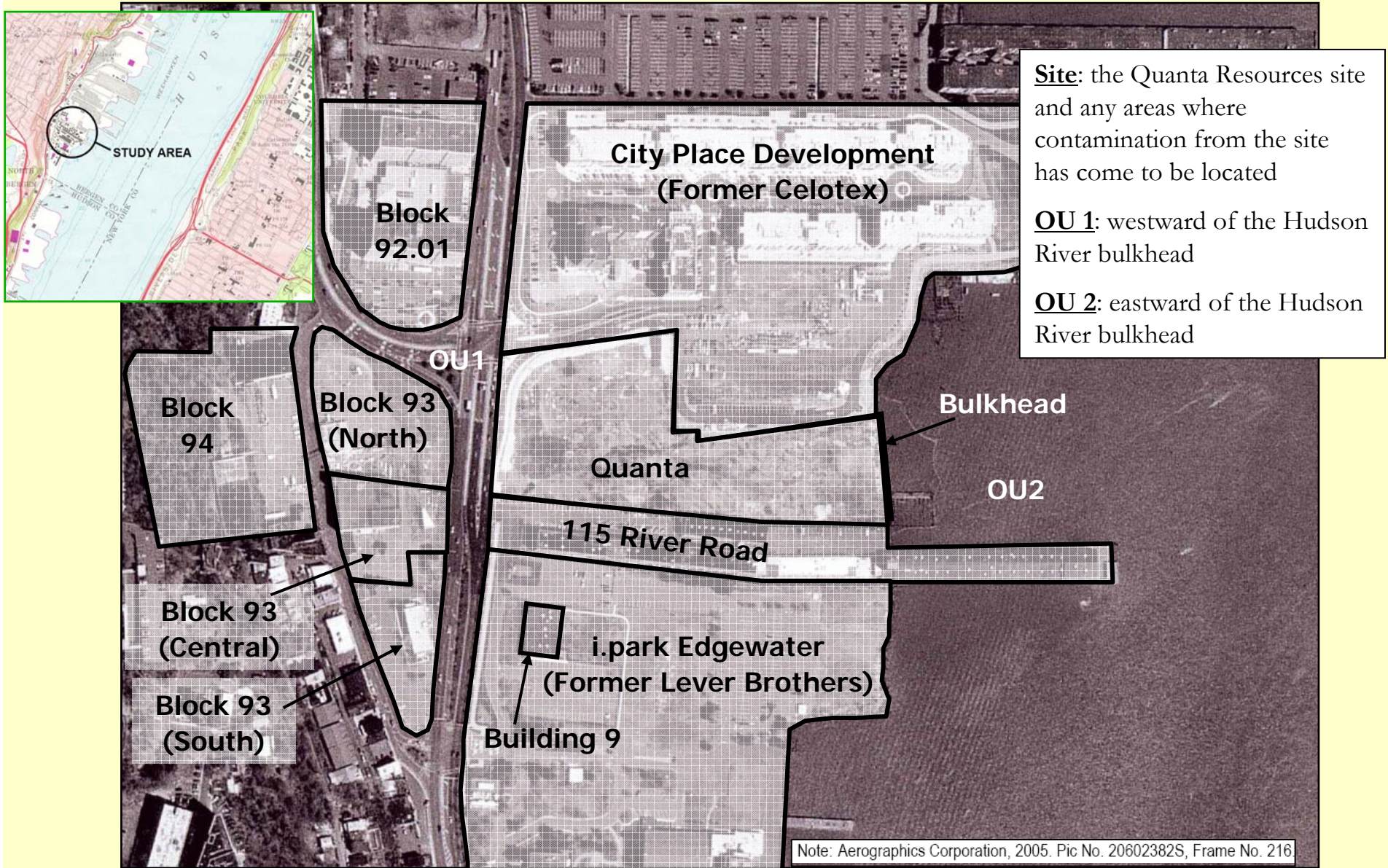
Quanta Resources Superfund Site

**Status Update
July 14, 2010**

Agenda

- **Quanta Update (EPA/Respondents)**
 - **Update Since March 16, 2010**
 - **Upcoming Activities**
 - **Proposed Remedial Alternative**
 - **OU2**

Site Location and Site Map



OU1 Schedule

- Remedial Investigation (RI) – Complete
- Feasibility Study (FS) – Complete
- EPA Remedy Review Board – Complete
- Public Comment Period – tentative start date
July 21, 2010 (30-day comment period)
- Proposed Plan Meeting – August 3, 2010
- EPA available August 4, 2010 for informal public
questions
- Record of Decision – Fall 2010

OU1 Public Participation/Outreach

- Administrative Record, Edgewater Library
- Newspaper notification (The Record)
- Targeted mailing notification
- EPA Quanta site web page with Proposed Plan, links to other documents
- 30-day public comment period starting July 21
- Public meeting – August 3, 2010 – accepting oral comment
- EPA availability session (informal) August 4, other availability upon request.
- Other suggested outreach?

Proposed Remedy for OU1

Principal Threat NAPL Zones (NZ-1, NZ-2, NZ-5)

- Excavation of debris
- In situ solidification/stabilization
- In situ solidification/stabilization adjacent to the River and physical barrier wall under 115 River Road to prevent NAPL migration to Hudson

Other NAPL Zones (NZ-3, NZ-4, NZ-6)

- Limited passive recovery in NZ-3 and NZ-4
- Continued monitoring
- In situ solidification/stabilization of portion of NZ-3 under NZ-1 on the Quanta property

Arsenic Source Areas

- In situ solidification/stabilization of arsenic areas
- Hydraulic containment of HCAA (contingency: stabilization)

Vapor

- Vapor intrusion mitigation systems
- Continued monitoring

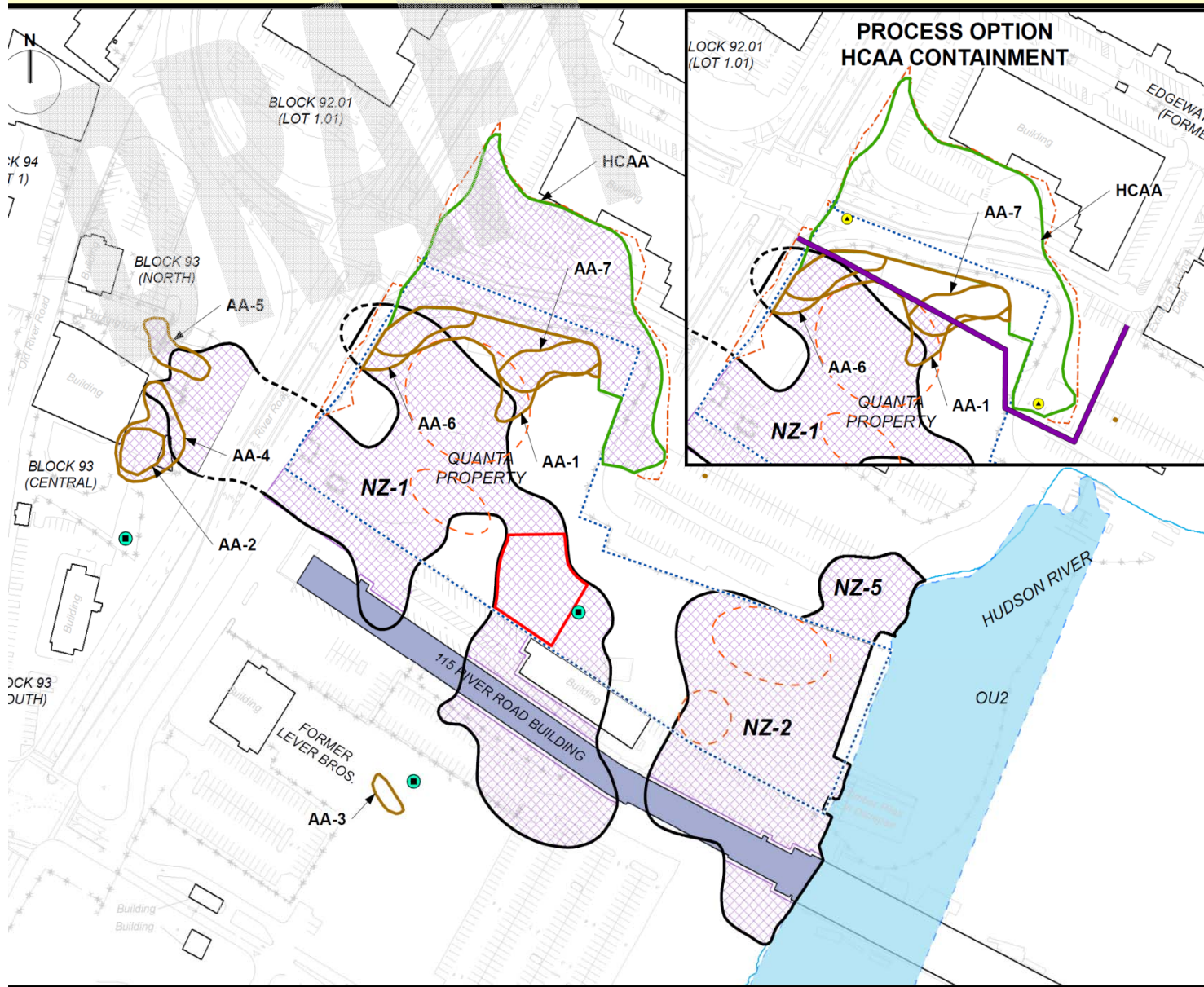
Residual Soils

- Capping
- Institutional Controls

Groundwater

- Subaqueous Reactive Barrier (installed with OU2 remedy)

Proposed Remedy



LEGEND

- Quanta Property Boundary
- - - - Existing Arsenic Liner
- NZ-2 Principal Threat NAPL Zone
- HCAA High Concentration Arsenic Area
- AA-7 Principal Threat Arsenic Area
- Area of NZ-3 Treatment
- Approximate area of tar "boils" (Not necessarily present throughout depicted area)

Remedial Action Component

- Vapor Intrusion Engineering Controls
- Stabilization/Solidification
- Subaqueous Reactive Barrier (SRB)
- Barrier Wall
- Groundwater Extraction Well
- Passive NAPL Recovery

Note:

1. Alternative also includes capping of residual soils.
2. Methods and reagents for solidification and stabilization may vary for the various NAPL and arsenic areas.
3. Response action for NZ-1 under River Road to be coordinated with Bergen County when future roadway work occurs.
4. It is assumed that AA-3 will be addressed as part of the remediation efforts performed by iPark

0 70 140 ft.

OU2 Schedule

Item	Expected Completion Date
•Draft PSCR (Preliminary Site Characterization Report)	Completed (July 2007)
•BERA	
- Draft BERA Work Plan	Completed (July 2008)
- BERA Work Plan Addendum (Fish End Point)	Completed (July 2008)
- BERA Work Plan Field Work	Completed (October 2008)
- BERA Report	2010
•Sediment Stability	
- Draft Work Plan	Completed (August 2008)
- Field Work	Completed (October 2008)
- Reporting	Will be included in Draft RI Report
•Remedial Investigation	TBD
- Draft RI Report	TBD
•Draft Candidate Technologies Memorandum	TBD
•Draft Pathway Analysis Report (PAR)	
•Subsequent reports	Contingent on review of previous submittals and completion of additional field work (i.e. BERA sampling)

OU2 Activities will resume following OU1 remedy decision