

US EPA ARCHIVE DOCUMENT

Proposed Plan Brief Information Session

Centredale Manor
Restoration Project
Superfund Site

December 7, 2011



WHAT IS SUPERFUND?



Woonasquatucket River

WHY TAKE ACTION?

Industrial Legacy

- Past Uses
 - Chemical Manufacturing
 - Drum Recycling
- Resulting Contamination
 - Dioxin
 - PCBs
 - Other

Potential Exposure & Risks

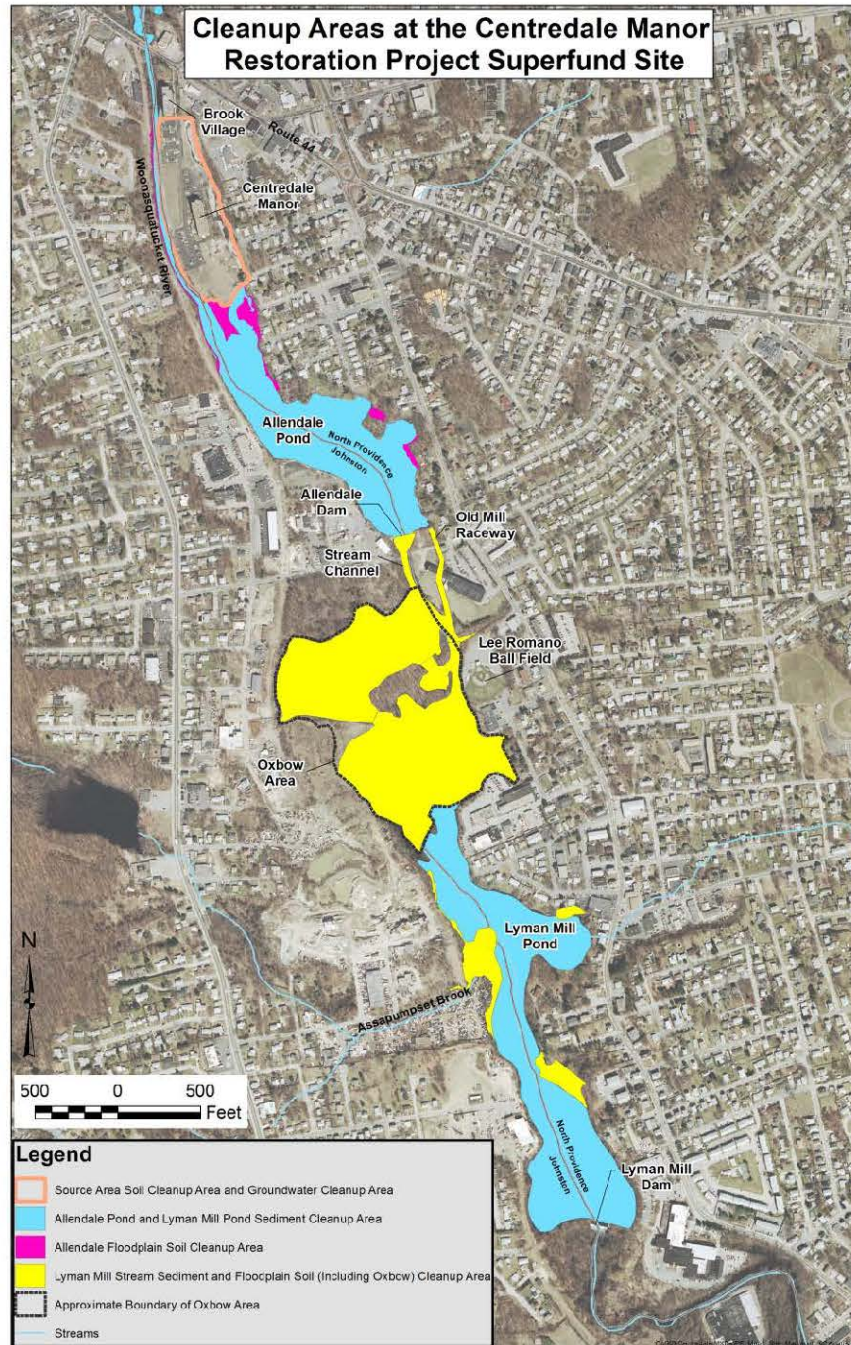
Risk from These Exposure Pathways:

- Eating contaminated fish
- Having direct skin contact with or accidentally ingesting contaminated sediment and/or floodplain soil



EPA'S PREFERRED CLEANUP ALTERNATIVE

Cleanup Areas at the Centredale Manor Restoration Project Superfund Site



Proposal Overview

- 184,200 cubic yards removed from Source Area, river bottom and floodplain
- \$101 Million
- Most highly contaminated material taken off-site
- On-site Confined Disposal Facility
- Permanent caps in the Source Area
- Up to 5 years before construction starts
- Long-term maintenance and monitoring



Preferred Disposal Option

WHY A CONFINED DISPOSAL FACILITY?

Upland CDF

- Dioxin & PCBs absorb to soil/sediment. Do not evaporate or dissolve. Good candidates for permanent storage.
- Highest levels will not be in CDF – instead off-site treatment & disposal
- Gets contamination out of river/floodplain
- Provides opportunity for beneficial reuse
- Meets Regulatory Criteria
- Highly protective at lower cost than other options

Superfund CDF Example

Camilla Wood Preserving Company Superfund Site

- Contaminants included dioxins, creosote, pentachlorophenol, and polyaromatic hydrocarbons.



- Community park with soccer fields and small RV park opened in September 2007.
- County's Recreation Dept. operates park and plans to expand sports complex following future cleanup.



Have an opinion?

WAYS TO COMMENT

Submit Your Comments

At a Hearing

December 7, 2011

- o 2 pm Centredale Manor

Or:

- o 7 pm North Providence
Town Hall, second floor,
Council Chambers

In writing by Feb. 13, 2012

Mail

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What are your clarifying questions?

QUESTIONS & ANSWERS

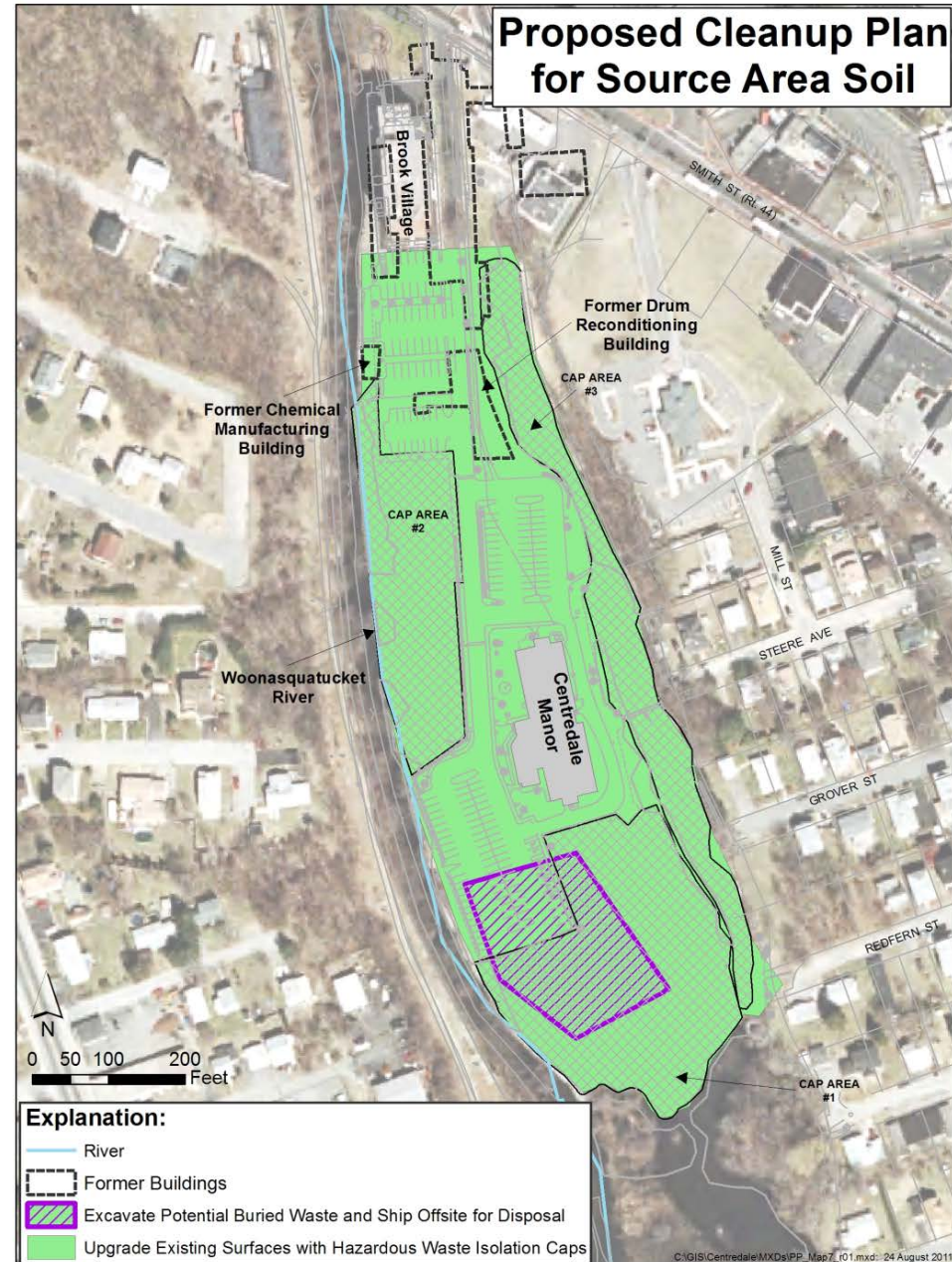


Provide Your Oral Comment

FORMAL PUBLIC HEARING

Source Area Soil

- Targeted Excavation
- Off-site Disposal and/or Treatment
- Install New Caps to Cover Hazardous Waste



Sediment: Allendale Pond & Lyman Mill Pond

- Excavate 155,800 cubic yards (97,700 cubic yards dewatered volume)
- Contain On-site in an Upland Confined Disposal Facility
- Most highly contaminated sediment send off-site for treatment/disposal

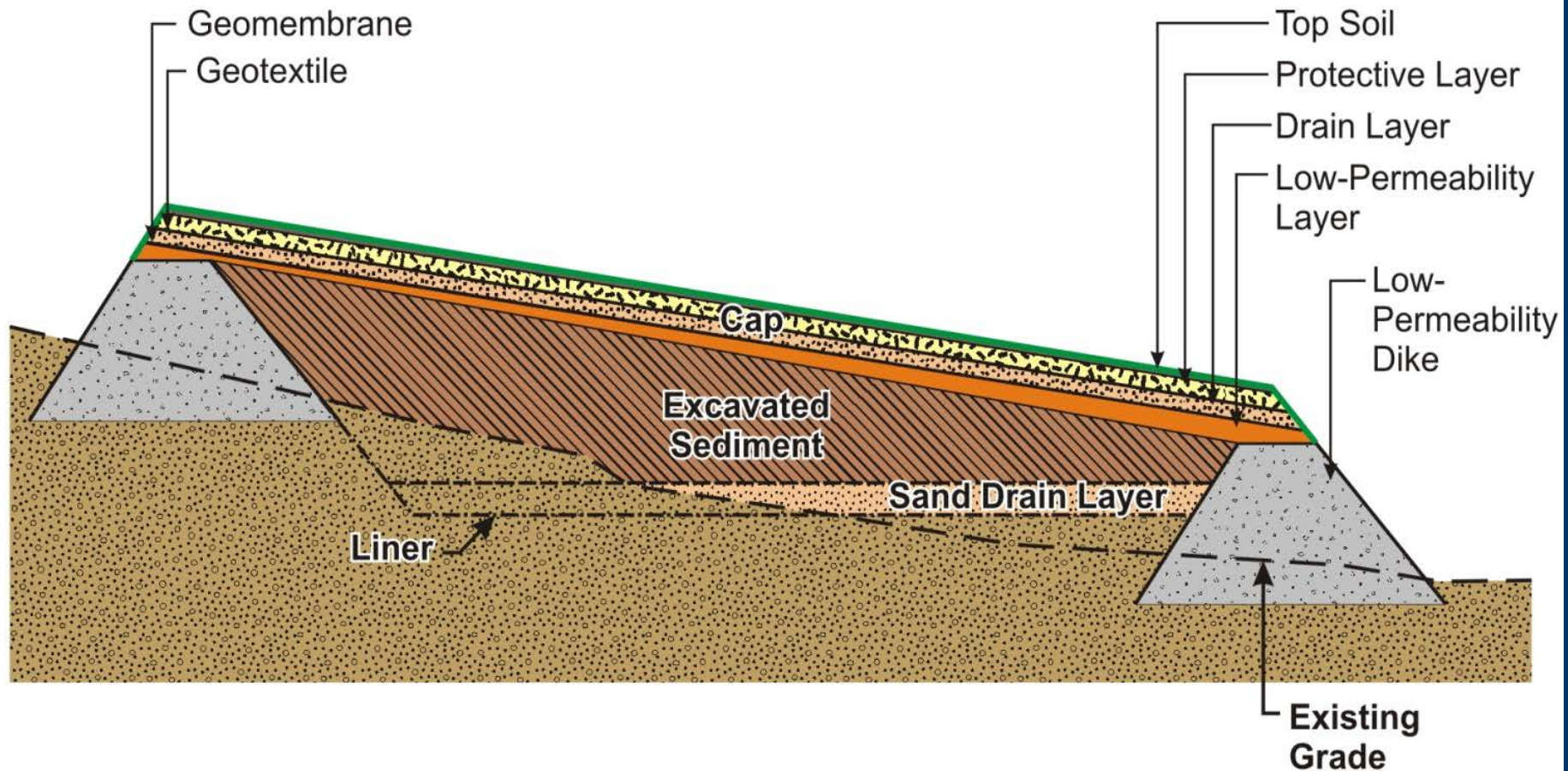
Allendale Floodplain Soil

- Excavate about 2,400 cubic yards
- Contain On-site in an Upland Confined Disposal Facility

Lyman Mill Stream Sediment & Floodplain Soil (inc. Oxbow)

- Targeted Excavation of about 20,500 cubic yards
- Contain On-site in an Upland Confined Disposal Facility
- Enhanced Natural Recovery
- Send off-site for treatment/disposal most highly contaminated soil & sediment

What does it look like cut in half?



Cross Section: Upland Confined Disposal Facility