

Lincoln Park and Milwaukee River Channels Sediments Site: Great Lakes Legacy Act Sediment Cleanup Project

Community Input Meeting
Wednesday, July 28, 2010
Location: Blatz Pavilion
Presenter: Ajit Vaidya (EPA-GLNPO)



Lincoln Park Project Area

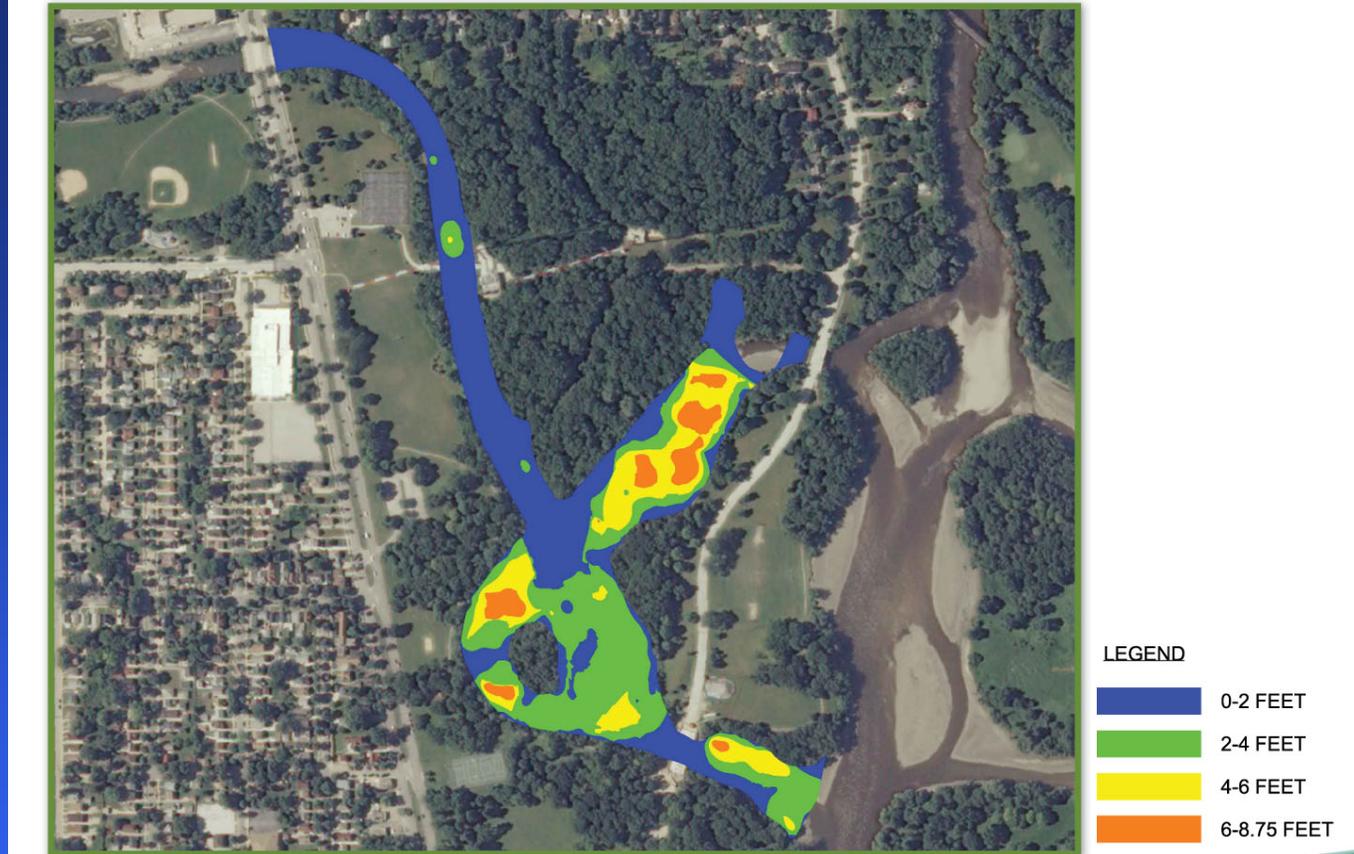


Lincoln Park Sediment Cleanup: Phase 1 Project Overview

- Legacy Act Project Partnership
 - Cost Share: WDNR (35%) / EPA (65%)
- Estimated cost – approx. \$20 million
- Sediment Remediation
 - Approx. 100,000 cubic yards of sediment
 - Polychlorinated Biphenyls (PCBs) cleanup to 1 mg/kg (i.e. 1 part per million or 1 ppm)
- Habitat Restoration
 - Restore habitat for targeted fish species
 - Rehabilitate shoreline areas

Phase 1 Removal Depths

Phase 1 Sediment Cleanup Area



- ***“What is the physical extent of the Phase 1 cleanup?”***
 - ***Phase 1 area includes Lincoln Creek east of Green Bay Ave. and West Oxbow of Lincoln Park.***
 - ***There is no known PCB contamination west of Green Bay Ave.***
 - ***Phase 2 area is being addressed separately (discussed later)***

Phase 1 Project Timeline

- ***“ What is the timeline of the Phase 1 cleanup? “***
 - Complete design and obtain permits for remediation project by end of CY 2010
 - Award construction contract – Winter 2011
 - Sediment Removal / Habitat Restoration begins: Spring 2011
 - Sediment Removal / Habitat Restoration complete: Spring 2012
- ***“ Can this schedule be expedited?”***
 - The project is already moving forward on an accelerated schedule.
- ***“ How long will the cleanup activities last? Can work take place year round? “***
 - Sediment cleanup / habitat restoration is expected to take approximately 9-12 months.
 - Work can take place throughout most of the year, including winter. However, winter work may be slowed down by freezing conditions.

Sediment Cleanup

- ***“How will sediments be removed?”***
 - Sediments greater than 1 ppm of PCB’s are targeted for removal.
 - Contaminated sediments will be excavated in the dry (similar to Blatz Pavilion cleanup).
 - Cleanup area will be dewatered to facilitate dry excavation.
 - Excavated sediments will be disposed offsite.
- ***“Why was dry excavation the selected remedy?”***
 - Dry excavation is a very efficient and effective means of removing contaminated sediments.
 - No need for dredged sediment dewatering or effluent treatment.
 - No need to manage generated residuals contamination.
 - Easier to ensure that all contamination above remedial targets is removed.

Dewatering / Flood Control

- ***“How will the dewatering be done?”***
 - Sheetpile currently used for Milwaukee River Parkway North bridge repair will be temporarily left in place to cut off flow to West Oxbow.
 - Flow into Lincoln Creek will be diverted by gravity drainage pipes.
 - Occasionally, water may need to be pumped due to periodic rain events and/or floods.
- ***“Will the cleanup project require the dam to be closed or opened”***
 - Current schedule for dam repair indicates that Lincoln Park cleanup will be completed well before dam repairs could be completed.
 - It is assumed that dam will be in the open position throughout the cleanup project duration.
 - This approach will facilitate dewatering / dry excavation.
- ***“Will project increase flood stages in surrounding area”***
 - No. The project is being designed to ensure that there will be no increase in flood stage due to project activities.
 - This project is not intended to address long term flooding impacts.

Sediment Disposal

- ***“Where will sediments be disposed?”***
 - Sediments with PCB levels between 1 and 50 ppm will be taken to a licensed, commercial landfill in Wisconsin.
 - Sediments with PCB levels greater than 50 ppm will be taken to a TSCA regulated landfill, nearest one in Wayne County, Michigan.
- ***“What are the truck routes? Will trucks cause damage?”***
 - Truck routes will be designated to minimize impact of truck traffic.
 - Current road reconstruction on Hampton Pkwy designed to withstand additional truck traffic.
- ***“Will sediments be placed back in the River / Creek?”***
 - No. Contaminated sediments will be taken off-site.
 - It is possible that some clean materials will be placed in the river for habitat restoration, streambank stabilization, or other purposes.
 - Project will not re-fill all excavated areas to current elevation.
 - In long run, however, natural deposition will occur in those areas.

Monitoring / Safety

- ***“Will PCB levels be monitored?”***
 - Yes. During cleanup, turbidity, suspended solids, and/or PCB concentrations in the water column will be monitored to ensure that downstream water quality impacts are minimized.
 - Confirmation sampling will be conducted to ensure that PCB levels in the area after cleanup are below 1 ppm.
- ***“What safety monitoring processes will be in place?”***
 - During cleanup, the remediation contractor will have an approved site health and safety plan that will be enforced by EPA and WDNR.
 - The contractor will set up exclusion zones to prevent public access to dangerous construction areas.

Phase 2 / Spillway Area

- ***“What is the extent of the Phase 2 project area?”***
 - Phase 2 includes the East Oxbow of Lincoln Creek and the main channel of the Milwaukee River starting immediately upstream of Lincoln Park and extending downstream to the Estabrook Dam.
 - EPA is currently in process of evaluating data collected in the Phase 2 areas.
 - Next steps for Phase 2 area are yet to be determined.
- ***“Will sediment / debris behind the fixed crest spillway be considered for PCB removal?”***
 - County has been directed to clear commingled debris and sediment accumulated behind the spillway as part of its effort to repair the dam
 - County is currently gathering data from samples collected behind fixed crest spillway.
 - Next steps for potential cleanup behind have not been determined.