Hudson River PCB Superfund Site Project Update

Community Advisory Group Meeting

May 11, 2017

Project Update



- Five-Year Review
- In-River
 - Remedial Action Completion Report
 - Property Transfers
 - Data Collection 2016/2017
 - Anticipated Field activities 2017/OM&M
 - FOIA
- Floodplains
 - Reminder on overall process
 - Data gap sampling 2016
 - Anticipated Field activities 2017



Five – Year Review



- EPA continues internal reviews
- EPA continues development of the document
- No specific report release date set
- Some Appendices have been shared with FYR Team (others may be shared)
- Comprehensive report (~900 pages including 15 Appendices) that includes detailed analysis of water, PCB mass, fish, surface sediment, implementation etc.
- EPA will continue to update Federal trustees, NYS, FYR Team and CAG
- Public comment period and meetings planned
- Fact sheet to be released with report



Remedial Action Completion

UNITED STAILS

- Consent decree defines the requirements
- Since last CAG meeting (Dec 2016):
 - Demobilization and restoration completed
 - Engineering documents complete
 - Early site inspections completed additional inspections may be necessary
- Completion Report (received December 23, 2016)
 - Under review by EPA
 - Copies also provided to federal trustees and NYS



Property Transfer



- Facility road
- Wharf
- Work support marina
- Waterline (Troy to Waterford and Halfmoon)

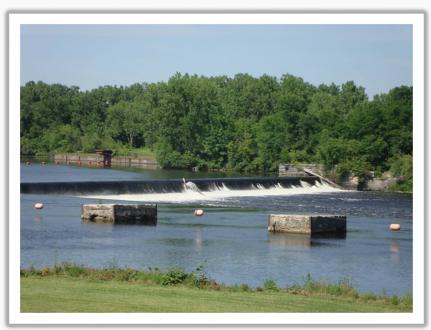






Water:

- Routine water column sampling continues
- Data through December 2016 used for FYR
- Several recent rounds of high flow monitoring were conducted
- Adjustments to lab program underway
- OM&M scope of work not yet established – ongoing discussions with NYSDEC and GE

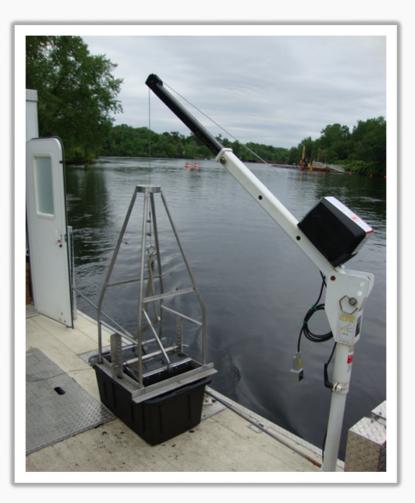






Sediment:

- OM&M scope of work established
- 2016 sampling outside dredged areas collected and used in FYR
 - Data provided to FYR team
- 2017 sampling
 - inside dredge areas
 - in Albany/Troy area
 - potential additional collection outside dredge areas
- Next data collection anticipated in 2021

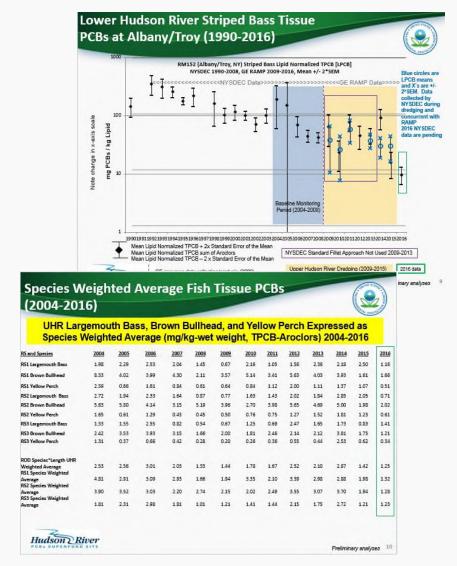




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<u>Fish:</u>

- Routine spring and fall fish collection continues
- Spring fish collection began April 23 with striped bass collection
- Data through December 2016 used for FYR
- OM&M scope of work not yet established – ongoing discussions with NYSDEC and GE
- CAG was provided updated fish data presentation that included all 2016 fish data
- Finalizing the special study fish processing report

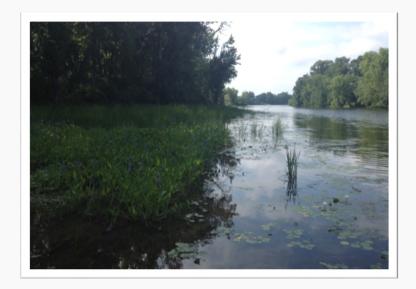




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Habitat/Caps:

- Planting completed 2016
- Annual habitat monitoring and shoreline inspections were conducted in September 2016
- Annual habitat monitoring (OM&M) plan in review
- Habitat monitoring anticipated to be conducted in August-September 2017
- Cap surveys proposed for 2018 (5th year surveys)







OM&M (See Poster)



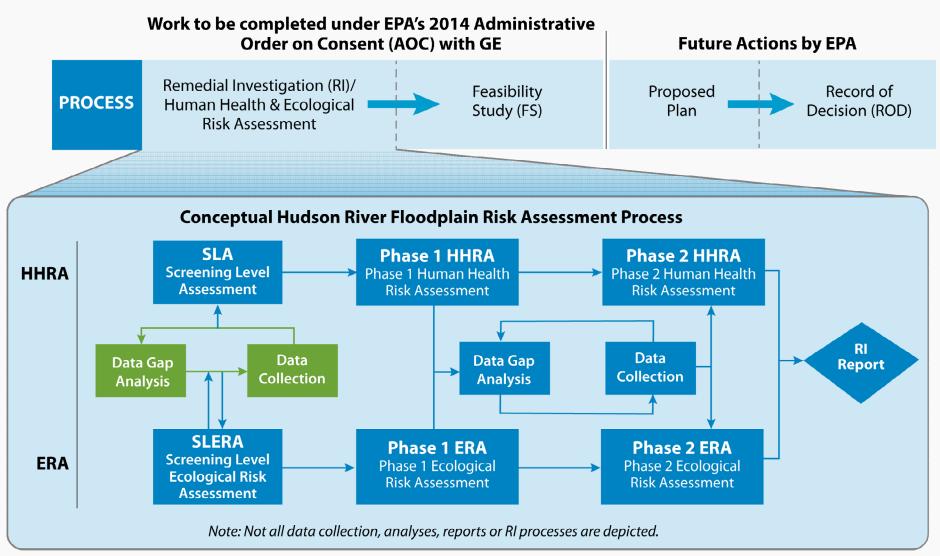
- Important to monitor fish, water and sediment
- PCBs in sediment are the primary source of PCBs in the river
- Water provides information related to
 - source control
 - release from sediments
 - load
- Fish are the primary indicator (compared to targets and goal)
- For all three media, time is a critical component to determine change
- Monitoring will be needed for the foreseeable future
- OM&M discussions are ongoing







• Current sampling at the beginning of the RI/FS Process



2016 Data Gap Sampling



- Sample locations based on:
 - Statistical evaluation, likelihood of flooding, how the area floods, spatial distribution, land features, if a property has been sampled
- Conducted between October and December 2016
- 530 samples from 270 properties (~7,500 samples and ~670 properties sampled to date)
- Typically highest concentrations near the river and further upstream
- This round of sampling focused on backwaters and less frequently flooded areas
- Letters with results are being sent to property owners with 2016 Sampling Summary fact sheet
- Several areas have been identified for potential short term response actions



2017 Floodplain Field Activities



- Floodplain Soil Sampling
 - Based on data gap analysis
 - Approximately 400 locations
 - Includes locations not collected in 2016
 - Field work expected early summer
 - Additional rounds may be needed
- Floodplain Standing Water Sampling
 - Sampling approach being discussed with GE and NYSDEC
 - Includes consideration of the Old Champlain Canal
 - Field work likely later this year





2017 Floodplain Field Activities



- Backwater Flooding Elevations
 - Data collection started fall 2016 will continue this spring/summer
 - Data will be used to help refine understanding of backwaters
- Flood Mud Sampling
 - Samples collected in February and April 2017 following high water events
 - 18 samples collected so far this year
 - Results anticipated soon
- Short Term Removal Action Inspections
 - Planned for June 2017
 - Repairs as needed





Next Steps



- Continue Data Gap Analysis
 - Select additional locations as needed
- Finalize Floodplain Characterization Report
 - Will include all available data
- Begin Screening-Level Assessments
 - Human Health
 - Ecological







Questions?

