



Hudson River PCB Superfund Site Operations, Maintenance, and Monitoring

Community Advisory Group Meeting
Thursday, November 16 2017
1-4 pm
Saratoga Town Hall

Operation, Maintenance, and Monitoring (OM&M)



- Long term monitoring of the river includes:
 - Caps
 - Sediment
 - Water
 - Fish
- OM&M Update
 - Work plan status
 - Ongoing field activities
- Review of OM&M habitat restoration and benchmarks
 - Detailed presentation regarding ongoing work



- Work Plan - Established
 - Year 1, year 5, and year 10 surveys after construction, then 10-year surveys into perpetuity
 - For example 2011 caps surveyed in 2012, 2016, and 2021
 - Surveys after flood events
 - If cap disturbance – evaluation required
 - Repair needed if 3” of elevation loss over 4,000 square foot area or 20% of cap area
 - Cap surveys proposed to be coordinated to occur in the same year in future



Surface Sediment OM&M Monitoring



- Work plan – Established
 - Outside dredge areas sampled in fall 2016
 - 215 samples collected
 - Inside dredge areas currently underway
 - 149 samples from all three River Sections
 - Based on statistical analysis
 - 100 locations added outside dredge areas to RS3
- GE used sampler that specifically collected top 2”
- Reviewing Corrective Action Memo #16 (laboratory change)
- DEC also collected sediment samples (~1,400 samples)
 - EPA anticipates data sharing with DEC
- Ongoing evaluation of PCB data - including river bottom conditions
- Sampling again in approximately five years



Water Collection



- Work plan - Under development (ongoing discussions with NYSDEC and GE) – baseline/off-season monitoring continues
- Three locations sampled weekly (Thompson Island, Schuylerville, Waterford)
- Other locations monthly (Bakers Falls, Lower Hudson River)
- High flow sampling (15,000 cubic feet per second at Fort Edward and 22,500 at Waterford)
- Laboratory location change and method adjustment
- Most sampling now from bridges
- Samples analyzed for
 - Total suspended solids
 - PCBs using congener methods



Fish Collection



- Work plan - Under development (ongoing discussions with NYSDEC and GE) – baseline monitoring continues
- Ongoing activities:
 - Laboratory location change
 - Reviewing Corrective Action Memo #15 (laboratory change)
 - 2017 collected fish on hold
 - NYSDEC comments incorporated
 - Supplemental fish sampling – additional locations being discussed
 - Supplemental fish sampling – additional species being discussed
 - GE continues to collect fish as in past years
- NYS collects additional fish in upper and lower river
 - 2017 – collected fall fish in each river reach



Pumpkinseed
(*Lepomis gibbosus*)



Largemouth Bass
(*Micropterus salmoides*)



Spottail Shiner
(*Notropis hudsonius*)



Yellow Perch
(*Perca flavescens*)