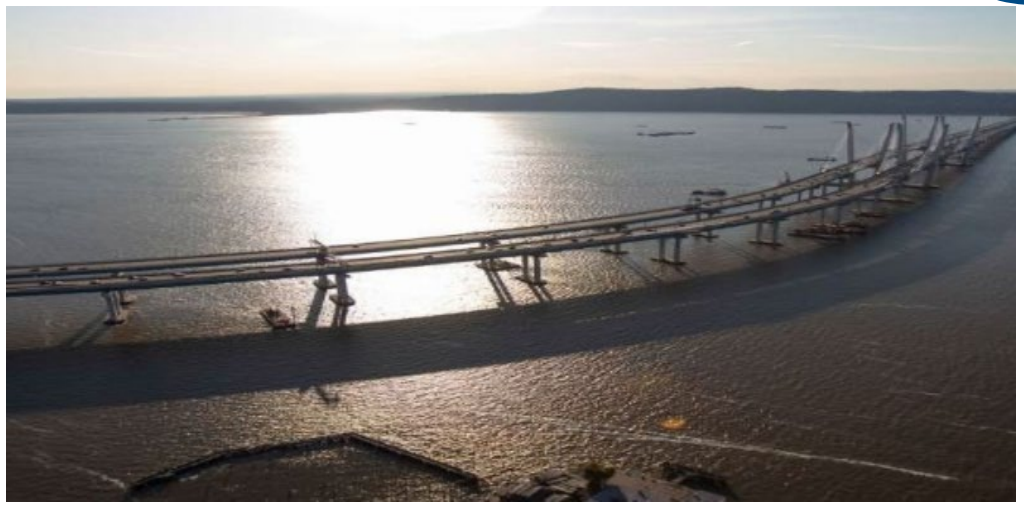
Lower Hudson River Investigations Update

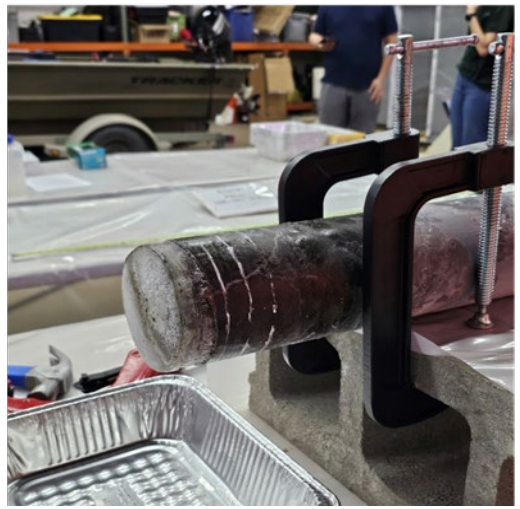
EPA

Hudson River
PCBs SUPERFUND SITE

2025 Lower Hudson River Ongoing Field Work

- The planned supplemental investigation field work is mostly completed
- 2025 field work included:
  - High resolution core sampling (sampling completed; core processing and chemical analysis ongoing)
  - Water column sampling (ongoing for another year)
  - Fish sampling (required under OM&M; ongoing)
  - Supplemental core sampling (completed)
  - Recently deposited (Be-7 bearing) surface sediment sampling (completed)





2025 Lower Hudson River Data Evaluation

- High resolution core sampling data are being evaluated. Unprocessed cores are being archived for future analysis (if needed)
- Water column sampling data continuously evaluated as data are available (ongoing for another year)
- Fish data from 2024 sampling have been received and preliminary results are being analyzed
- Supplemental core preliminary results are being reviewed and analyzed
- Recently deposited (Be-7 bearing) surface sediment data are being evaluated

Lower Hudson River Sampling and Investigation Schedule

2023

- Water sampling (5 stations - monthly)
- Fish sampling (total 672) – based on availability of species
  - Salt and freshwater species
  - Migratory, local and forage fish
  - Blue crab and eel
- Sediment collection – recently deposited (150 in main stem and 63 in tributaries for radionuclide analysis)
- Data evaluation

2024

- Monthly water column sampling continued
- Fish sampling continued
  - Blue crab at the Tappan Zee and George Washington Bridge (20 per station)
- Sediment collection
  - PCB analysis on a subset of recently deposited (Be-7 bearing sediments - main stem [53]and tributaries [28])
  - Supplemental sediment sampling (10 areas with 20 samples per area at locations where fish are collected)
  - High resolution cores (18 from 6 locations that span the length of the lower river)
- Data evaluation

2025

- Monthly water column sampling continued
- Fish sampling continued
  - OM&M stations and species
- Sediment collection
  - High resolution core processing, radionuclide and PCB analysis
- Data evaluation
- Develop next steps

Lower Hudson River Next Steps

- Complete high-resolution core processing and chemical analysis
- Analyze 2023-2025 data collected under the Lower Hudson River sampling program to inform decision-making for future activities (e.g., river division and additional investigations)
- Identify data gaps and, as necessary, collect additional samples under the Lower Hudson River sampling program in 2026
- Continue refining our understanding of the river in 2025 and 2026
- Divide Lower Hudson River (160 miles) into several technical sections