



Types of Long-term Monitoring

Water Column Monitoring

- **Objective:**
 - Assess PCB concentrations throughout the Upper and Lower Hudson River and monitor PCB transport from the Upper Hudson River to the Lower Hudson River.
- **Monitoring:**
 - Sampling various locations in the Upper Hudson River weekly for at least three years after the end of dredging. EPA expects Water Column Monitoring to continue into the foreseeable future.

Habitat Monitoring

- **Objective:**
 - Restoration of the function of river habitats.
- **Monitoring:**
 - Evaluation of habitat begins immediately after planting is completed.
 - Each habitat type will be evaluated including submerged aquatic vegetation (SAV) and riverine fringing wetland (RFW).
 - Criteria has been established for each habitat type.
 - Aquatic organisms in dredged areas are monitored.

Fish Monitoring

- **Objectives:**
 - Assess PCB concentrations within various fish species throughout the Upper and Lower Hudson River.
 - Assist the New York State Department of Environmental Conservation and New York State Department of Health in assessing fish consumption advisories.
- **Monitoring:**
 - Fish samples will be collected at various locations throughout the Upper and Lower Hudson River for the foreseeable future.

Sediment Monitoring

- **Objective:**
 - Assess PCB concentrations over time in the sediment throughout the Upper Hudson River in dredged and non-dredged areas.
- **Monitoring:**
 - Sediment samples will be collected in dredged and non-dredged areas. The results will be compared to previously collected samples.

Cap Monitoring

- **Objective:**
 - Assess long-term effectiveness of caps that were placed on the river bottom to isolate PCBs that remained after dredging.
- **Monitoring:**
 - Surveys will be conducted to evaluate the cap at one, five, and ten years after the cap was put into place and will continue at ten-year intervals in perpetuity.
 - Surveys will take place after high flow events.
 - Core samples of the caps will be collected in specified locations ten years after the completion of dredging and will continue at ten-year intervals.