

TABLE 2-1

Chronology of Remedial Investigation Activities and Dates Performed

Gowanus Canal Remedial Investigation

Brooklyn, New York

Investigation	Date	Summary of Remedial Investigation Activity
Bathymetric Survey	January 5, 2010	Survey to measure sediment surface elevations within the canal.
Sediment Coring	January 27 - 29, 2010 March 3 - April 15, 2010	USEPA collected sediment cores in the canal.
Surface Sediment Sampling	June 17 - July 1, 2010	USEPA collected surface sediment samples from the canal and from reference locations.
Surface Water - Dry Weather Sampling	June 19, 2010 July 26, 2010	USEPA collected surface water samples in dry weather conditions from the canal, reference locations, and one location from the Buttermilk Channel. One additional surface water sample was collected in July 2010 in an area with a sheen.
Surface Water - Wet Weather Sampling	July 13, 2010	USEPA collected surface water samples in wet weather conditions from the canal, reference locations, and one location from the Buttermilk Channel.
Fish and Shellfish Tissue Sampling	June 21 - July 9, 2010	USEPA collected tissue samples from species of fish and crab in the canal and from reference locations.
Air Sampling (Round 1)	July 7 - 9, 2010	USEPA collected air samples from locations along the canal and at predominately upwind background locations away from the canal. Samples were collected before the start of the canal aeration system.
Air Sampling (Round 2)	July 28 - 29, 2010	Same as above but after the start of the canal aeration system.
Combined Sewer Outfalls - Dry Weather Sampling	June 30 - July 1, 2010	USEPA collected sediment and water samples from manholes upland of CSO outfalls to the canal.
Combined Sewer Outfalls - Wet Weather Sampling 1	July 13, 2010	USEPA collected water samples from manholes upland of CSO outfalls to the canal. Not all outfalls were sampled because rainfall stopped before sampling was completed.
Combined Sewer Outfalls - Wet Weather Sampling 2	September 28, 2010	USEPA collected water samples from manholes upland of CSO outfalls to the canal. Not all outfalls were sampled because rainfall stopped.
Combined Sewer Outfalls - Wet Weather Sampling 3	September 30 - October 1, 2010	USEPA collected water samples from manholes upland of CSO outfalls to the canal. All outfalls were sampled.
Pipe Outfalls - Dry Weather Sampling	September 1 - 7, 2010	USEPA collected samples from actively discharging pipes.
Pipe Outfalls - Tracing and Video survey	October - December 2010	USEPA ERT performed a video survey of identified pipes to determine how far they extend from the canal and collect a variety of other information about the pipes.
Soil Sampling and Monitoring Well Installation	May 17 - June 30, 2010	USEPA ERT, National Grid, and New York City installed monitoring wells and collected soil samples during well installation activities. Each entity also completed a survey of the horizontal and vertical information for the respective wells.
Groundwater Sampling	June 24- July 26, 2010	USEPA, National Grid, and New York City collected groundwater samples from the monitoring wells.
Groundwater / Surface Water Interaction	June 24- July 26, 2010	USEPA, National Grid, and New York City collected surface water and groundwater samples to evaluate groundwater surface water interactions.
Synoptic Water Level Survey	July 26 - December 20, 2010	USEPA, National Grid, and New York City collected synoptic water level measurements at monitoring wells and staff gauges along the entire canal to quantify hydraulic gradients and establish groundwater flow directions. Last survey scheduled for December 20, 2010 and those results will be included in final RI.
Tidal Survey	August 2, 2010 August 5, 2010	USEPA performed a survey to evaluate the influence of tidal fluctuations on groundwater levels.
Side Scan Sonar	November 12, 2010	USEPA performed survey to identify debris of potential historical significance at the bottom of the canal.

Notes:

CSO = Combined Sewer Overflow

ERT = Emergency Response Team

USEPA = United States Environmental Protection Agency