

Newtown Creek OU2 Sampling Program

❖ Objective:

- Ensure that the assumptions made regarding the concentrations of contaminants of potential concern (COPCs) in ongoing sources evaluated during OU2 FFS are valid.
- Assess temporal trend of COPCs entering the Creek from four largest CSO outfalls.
- Estimate the discharge volumes from CSOs and stormwater to the Creek.

❖ Monitoring program will target all point source & East River locations sampled during the RI

- 7 Combined Sewer Overflow Outfalls
- 16 Stormwater locations Outfalls
- 8 Treated Discharge Outfalls
- East River Location

❖ Sampling Frequency

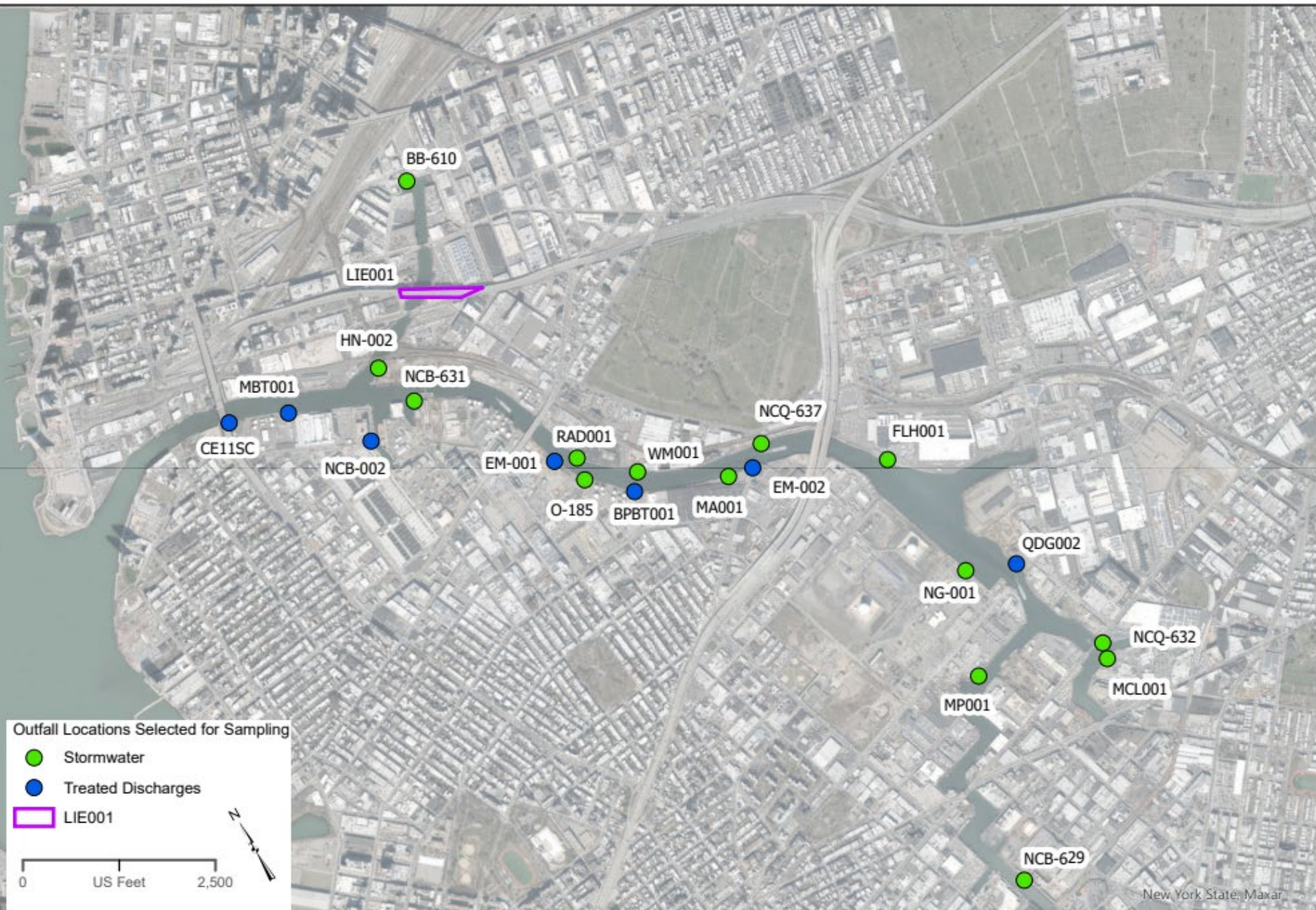
- Sample the 4 largest CSOs quarterly for the initial monitoring period of two years
- All other point source discharges and East River will be sampled at least once during the two-year monitoring period.

Sampling Locations

CSO Outfall Locations



Stormwater/ Treated Discharges Locations



East River Location



Analyte List, Sampling Procedure and Setup

- Samples will be collected using a large volume field filtration system.
 - Allows for direct collection and characterization of solids discharging to the Creek
 - Samples will be collected continuously for the duration of a discharge event.
 - Whole water samples will be also collected periodically to characterize supporting parameters

- Contaminants of Potential Concern – characterized on solids only
 - Polychlorinated biphenyls (PCB)
 - Polycyclic Aromatic Hydrocarbons (TPAH17, TPAH34)
 - Metals (Lead and Copper)
 - Dioxins/Furans (D/F)
 - C19-C36 Aliphatics Petroleum Hydrocarbons

- Supporting Analyses – characterized using whole water samples
 - Total Suspended and Total Dissolved Solids
 - Total and Dissolved Organic Carbon

Sampling Program Status – Four Large CSOs

❖ Sampling started in Spring of 2024 and is ongoing

Sample Location	NCB-015	NCB-077	NCB-083	BB-026
Spring 2024 Mar 19th - Jun 19th				
Summer 2024 Jun 20th - Sep 21st				
Fall 2024 Sep 22nd - Dec 20th	X	X		X
Winter 2025 Dec 21st - Mar 19th		X	X	X
Spring 2025 Mar 20th - June 19th		X	X	X
Summer 2025 Jun 20th - Sep 21st	X	X	X	X

X - Indicates a sample was collected

Sampling Program Status – Other Outfalls

Dishcharge Type	Sample Location	Sampling Status
Small CSOs	NCQ-029	
	NCB-022	X
	BB-009	
Treated WWTP Effluent	NCB002	
Municipal Stormwater	NCB-629	X
	NCB-631	X
	NCQ-637	X
	NCQ-632	X
East River	ER001	X
Stormwater	LIE001	X
	BB610	
	FLH001	X
	HN002	
	MCL001	
	MP001	X
	NG001	
	RAD001	X
	WM001	
	MA001	
	MBT001	X
	QDG002	X
	O185	
	BPBT001	
Treated Discharge	EM001B	
	CE11SC	
	EM001A	
	EM002	

Questions