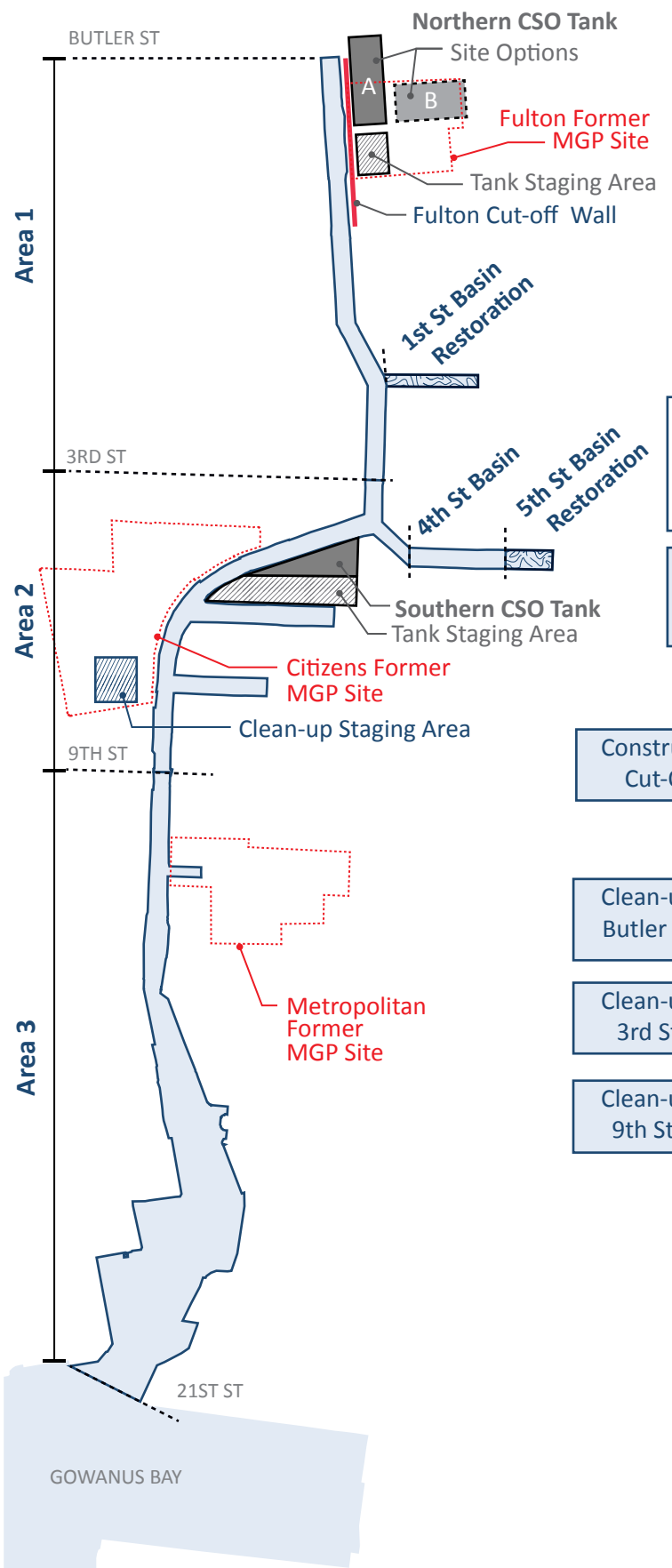
GOWANUS CANAL SUPERFUND - FACT SHEET

Prepared by the GOWANUS CANAL COMMUNITY ADVISORY GROUP (CAG)



SUPERFUND PROCESS

descriptions of sites and methods on back side →

2010 Environmental Protection Agency (EPA) designates the Gowanus a Superfund Site.

2013 Record of Decision identifies and explains the methods to be used to clean up the site
https://semspub.epa.gov/work/02/692106.pdf

CANAL CLEAN-UP

Remove historic industrial pollution from bottom of Canal

2016-2018
4th St Basin Pilot Clean-up

- Construct Fulton Cut-Off Wall
  - Clean-up Area 1: Butler St - 3rd St
  - Clean-up Area 2: 3rd St - 9th St
  - Clean-up Area 3: 9th St - 21st St
- Restore 1st St Basin
- Restore 5th St Basin

CSO CONTROL

Reduce combined sewage overflow (CSO) entering the Canal

2016
NYC under Orders from EPA to build 2 CSO Tanks

- Southern CSO Tank → Construct Southern CSO Tank
- Northern CSO Tank → Construct Northern CSO Tank

2020
City must acquire Site A or shift to Site B

City will dredge periodically if Canal Clean-up is completed before CSO tanks are operational

EPA performs five-year reviews to ensure that the cleanup plan remains effective.

For more information: www.GowanusCAG.org

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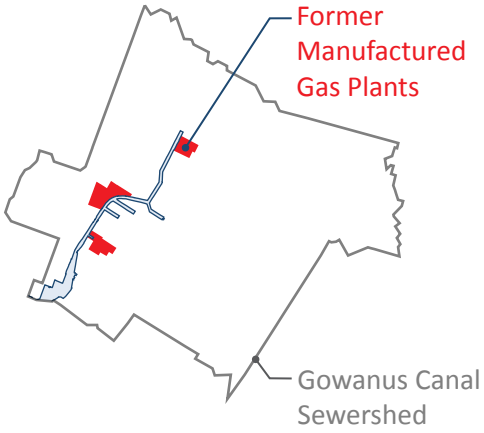
WHY IS THE CANAL CONTAMINATED?

There are two forms of pollution in the Gowanus Canal:

Historic Industrial Pollution from industries lining the Canal. The largest source of contamination is coal tar from 3 former Manufactured Gas Plants (MGPs) along the Canal.

Ongoing Combined Sewage Overflow (CSO) from the 3 square mile sewershed. Sewers collect stormwater runoff, domestic sewage and industrial wastewater in the same pipe. During heavy rain the sewer systems often overflow and the excess is discharged directly into the Gowanus Canal.



SITES AND METHODS

4th St Basin Pilot Clean-up will be used to evaluate and finalize the design elements for the full canal dredging and capping portion of the remediation, including:
- Selection of equipment and optimizing logistics to conduct the work within the tight constraints of the canal
- Optimizing the processing and disposal of the dredged material
- Optimizing methods for installing the multi-layered cap.

Fulton Cut-Off Wall will be a deep and thick bulkhead from the Head of the Canal to Union Street on the East side, to prevent contaminant migration from the site of the former Fulton Manufactured Gas Plant.

Canal Clean-Up along the length of the Canal will consist of the following steps, to be finalized in the 4th St Basin Pilot:
- Removal of debris from the bottom of the waterway
- In-situ stabilization of contaminated sediment in areas with higher contamination
- Install steel sheeting in front of the existing bulkheads along the banks of the basin at appropriate depths to provide structural support for the dredging excavation
- Dredge contaminated sediment
- Install a multi-layer protective cover or cap on the original canal bottom

Basin Restoration in 1st and 5th St Basins will restore areas of Canal that were illegally filled in. This will consist of the following steps:
- Excavate fill
- Install steel sheet bulkheads
- Install wetland shelf where designed
- Install a multi-layer protective cover or cap on the original canal bottom

Combined Sewage Overflow (CSO) Holding Tanks will hold sewage and rainwater during rain events, keeping it from discharging into the Canal, and then slowly pump it to the wastewater treatment plant after the storm. The Northern CSO Tank will hold 8 million gallons and the Southern Tank will hold 4 million gallons of sewage and rainwater.

The GOWANUS CANAL COMMUNITY ADVISORY GROUP (CAG) was formed in 2010 soon after the Gowanus Canal was designated a Superfund site and is the largest U.S. Environmental Protection Agency (EPA) Superfund Community Advisory Group in the nation. We are made up of over 50 representatives from civic, environmental, business and community organizations, as well as individual members, from around the Gowanus Canal such as Red Hook, Gowanus, Carroll Gardens, Boerum Hill and Park Slope.

ALL CAG MEETINGS ARE OPEN TO THE PUBLIC. Visit www.gowanuscag.org to learn more and get involved.