

Alley Creek CSO Long Term Control Plan (LTCP)

DEP has invested over **\$142 million** to improve water quality in Alley Creek and Little Neck Bay. Implemented water quality improvement projects include a combined sewer overflow retention facility and a 16-acre environmental restoration project. Due to these investments, Alley Creek and Little Neck Bay are currently suitable for swimming, boating and fishing. These investments were recommendations included in the June 2009 Waterbody Watershed Facility Plan, which was the first step toward development of a LTCP for Alley Creek.

For the Alley Creek combined sewer overflow (CSO) LTCP, DEP has commenced a post-construction monitoring program to assess the effectiveness of the CSO controls and will continue working with the New York State Department of Environmental Conservation. The goal of each CSO LTCP is to identify appropriate CSO controls necessary to achieve waterbody-specific water quality standards, consistent with the Federal CSO Policy and the water quality goals of the Clean Water Act.



**Environmental
Protection**

Michael R. Bloomberg, Mayor
Carter H. Strickland, Jr., Commissioner



Alley Creek

Alley Creek CSO Retention Facility

In 2011, DEP completed a **\$122 million** CSO retention facility in Bayside, Queens. Every time it rains, the facility collects up to five million gallons of combined sewage that was previously discharged into Alley Creek and Little Neck Bay. Since the facility was built, Alley Creek CSOs have decreased from approximately 517 million gallons to 256 million gallons per year, a 51% reduction. The remaining CSO will receive preliminary treatment to remove floatables and settleable solids before being discharged. Retained CSO is pumped to the Tallman Island Wastewater Treatment Plant for treatment when storms subside. DEP also invested in additional upstream sewer enhancements, including a new Tallman Island outfall (TI-025) to increase the sewer system's capacity and help reduce sewer surcharging and street flooding.



Alley Creek Environmental Restoration

In 2011, DEP completed a **\$20 million** environmental restoration of the northern portion of Alley Pond Park in Bayside, Queens. DEP constructed 8 acres of tidal wetlands and 8 acres of native coastal grassland and shrubland habitat in an effort to reduce CSOs in Alley Creek and Little Neck Bay. The new plantings and restored wetlands absorb stormwater runoff, reducing the amount that enter and overwhelm the sewer system during wet weather events.

For more information on DEP's CSO program, please visit our website at www.nyc.gov/dep/ltcp or visit [www.Facebook.com/NYCWater](https://www.facebook.com/NYCWater).

Watershed Stats

Total Drainage Area: **4,879 acres**

Combined Sewer Contributory Area: **2,292 acres (47%)**

Wastewater Treatment Plant: **Tallman Island**

NYSDEC Classification: **Class I & SB – Bathing & Fishing**

Ecological Classifications: **Special Natural Waterfront Area (DCP)**

Significant Coastal Fish & Wildlife Habitats: **Recreational Boating & Fishing**

- Combined Sewer Outfall
- Stormwater Outfall
- ▲ Alley Creek CSO Retention Facility
- Alley Creek Environmental Restoration

Drainage Area Type

- Combined Sewer Area
- Separate Sewer Area
- Other Drainage Area (Parks)
- Direct Drainage Area

Land Use

- One and Two Family Buildings
- Multi-Family Buildings
- Mixed Residential and Commercial Buildings
- Commercial and Office Buildings
- Industrial and Manufacturing
- Transportation and Utility
- Public Facilities and Institutions
- Open Space and Outdoor Recreation
- Parking Facilities
- Vacant Land

