

# Westchester Creek

## CSO Long Term Control Plan (LTCP)

DEP is committing more than **\$100 million** to improve water quality in Westchester Creek and Pugsley Creek. Water quality improvement projects include improved flow control in the Eastchester Road sewer, green infrastructure investments on streets, sidewalks, and City-owned property, and a new parallel sewer along Lacombe Avenue and White Plains Road to divert more flow to the Hunts Point Wastewater Treatment Plant. Some of these investments were recommendations of the June 2011 Waterbody Watershed Facility Plan, which was the first step toward development of a LTCP for Westchester and Pugsley Creeks.

For the Westchester Creek combined sewer overflow (CSO) LTCP, DEP has begun evaluating additional improvements to reduce CSO impacts on water quality and related recreational uses within these waterbodies, and will continue working with the New York State Department of Environmental Conservation. The goal of the CSO LTCP is to identify the appropriate controls necessary to achieve waterbody-specific water quality standards, consistent with Federal CSO Policy and the water quality goals of the Clean Water Act.



## Increased Wet Weather Conveyance

DEP is currently designing a **\$14 million** upgrade to two flow control structures beneath Eastchester Road in the Bronx. When it rains, these structures control flooding by diverting a portion of the combined sewage under Lehmann High School to the upstream end of Westchester Creek. Through detailed evaluations of the hydraulics, DEP identified a more optimal configuration that diverts smaller storms to the Hunts Point Wastewater Treatment Plant for treatment while improving flood control during larger storms. When completed in 2019, CSOs are expected to decrease from approximately 440 million gallons to 160 million gallons per year, a 64% reduction.

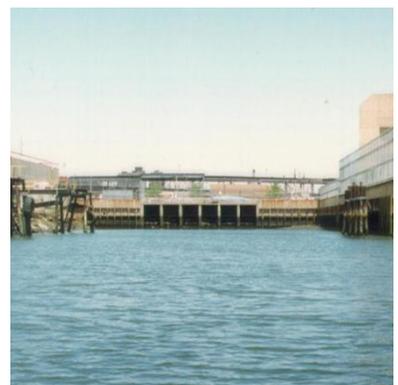
## Pugsley Creek Parallel Interceptor

The City will be constructing a **\$66 million** parallel sewer on Lacombe Avenue west of Barrett Avenue and south on White Plains Road to Cornell Avenue, scheduled to be completed in 2019. The new sewer will relieve CSO discharges to Pugsley Creek, which would otherwise *increase* as a result of the conveyance improvements in Eastchester Road. Because Pugsley Creek is a small waterbody lacking the capacity to dilute CSO discharges, and because access by the public to Pugsley Creek Park is expected to increase as Parks Department plans are implemented, the new sewer is designed to reduce CSO by 98%, from approximately 205 million gallons to less than 5 million gallons per year. The community will further benefit from the additional capacity to reduce flooding, and the project will have minimal impact to parkland and recreational facilities.

## Green Infrastructure

The City will also spend **\$20 million** to design green infrastructure practices such as right-of-way bioswales, stormwater greenstreets, green roofs and rain gardens in Priority CSO Tributary Areas within the Westchester Creek watershed. Green infrastructure collects stormwater runoff from rooftops, parking lots, streets and sidewalks before it can go into the combined sewer system and contribute to combined sewer overflows. Green infrastructure also helps create a more sustainable city by improving air quality, reducing air temperature during hot weather and beautifying neighborhoods.

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



### Watershed Stats

Total Drainage Area:  
**4,952 acres**

Combined Sewer  
Contributory Area:  
**4,271 acres (86%)**

Wastewater Treatment  
Plant: **Hunts Point**

NYSDEC Classification:  
**Class I – Fishing**