

# Coney Island Creek

## Combined Sewer Overflows Long Term Control Plan

Coney Island Creek, located in southwest Brooklyn, is approximately 1.6 miles long. At its head end, Coney Island Creek is a narrow, shallow body of water approximately 50 yards wide and flows in a southwesterly direction. The Creek begins to widen and increases in depth past Cropsey Avenue. A large tidal mudflat lies on the north shore of the Creek in the Drier-Offerman Park. The Coney Island Creek drainage area lies between the drainage areas of two Wastewater Treatment Plants (WWTP), the Owls Head WWTP and the Coney Island WWTP. Coney Island Creek receives both combined sewer overflow and stormwater drainage from the Owls Head WWTP drainage area. The Creek receives only stormwater flow from the Coney Island WWTP drainage area.

Currently DEP has committed **\$196 million** to reduce pollution and improve water quality in the Coney Island Creek. Water quality improvement projects include an upgrade to the Avenue V Pumping Station and Force Mains completed in June 2012. Some of these investments were recommendations of the June 2009 Waterbody Watershed Facility Plan, the first step in the development of a Long Term Control Plan (LTCP) for Coney Island Creek.

For the Coney Island Creek combined sewer overflow (CSO) LTCP, DEP has started to evaluate additional improvements to reduce CSO impacts on water quality and related recreational uses within this waterbody, and will continue to work with the New York State Department of Environmental Conservation. The goal of the CSO LTCP is to identify 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.



## Avenue V Pump Station

The Avenue V Pumping Station is located on the corner of Avenue V and West 11th Street in the Bensonhurst section of the borough of Brooklyn. It was built between 1911 and 1916. The upgrade of Avenue V Pumping Station increases the pumping capacity to 80 MGD to capture 70% of the CSO discharge during the wet-weather. Construction of Avenue V Force Mains provides additional conveyance to the increased pumping station capacity.

## Green Infrastructure

New York City's Green Infrastructure Program is a multiagency effort led by DEP. DEP and agency partners design, construct, and maintain a variety of sustainable green infrastructure (GI) practices such as bioswales, stormwater greenstreets, rain gardens and green roofs. GI practices collect and manage stormwater runoff from impervious surfaces such as streets, sidewalks, and rooftops. DEP has committed \$1.5 billion in public funding for green infrastructure installations to manage one inch of stormwater runoff from 10% of the impervious area of the combined sewer areas of the City by 2030.

By 2030, DEP plans to manage 7 acres or 1% of the combined sewer impervious area in Coney Island Creek through a combination of projects, such as the bioswale and stormwater greenstreet construction, and retrofits at New York City Housing Authority, the Department of Education and other City agency properties.

Avenue V Pump Station



Bioswale

