



Flushing Bay Remediation Dredging

QUEENS, NEW YORK

Cashman was selected to conduct the removal and disposal of ~76,000 cubic yards of CSO-impacted sediments from Flushing Bay. Other project work includes the placement of ~130,000 tons of clean fill to cover polluted mudflats including a specified cap area where pre-construction core samples showed elevated contaminants; the construction of a 100,000-SF revetment system using articulated concreted mattresses placed under water to prevent shoreline erosion; and the planting of ~150,000 marsh plants, grasses, and trees to restore and beautify the upland area.

PROJECT HIGHLIGHTS

- Work began in January 2017 with the removal of an existing dilapidated dock followed by the dredging operations, conducted using a CAT-385 and Sennebogen 870 mounted on Flexifloat platforms.
- Dredged sediment was loaded into 30' x 60' hoppers and pushed to/from a second CAT-385 stationed on a deck barge, where it was transloaded into larger hoppers for delivery to the offsite processing facility.
- Dredging operations were completed one week ahead of schedule in March 2017. Backfill operations commenced, using the same equipment resources. Revetment construction using a crew of divers began in May and continued until August 2017.
- From August 2017-April 2018, little activity will take place while the newly placed shoreline material settles and Cashman awaits the spring planting season.

Location:	Queens, NY
Contractor:	Cashman Dredging & Marine Contracting
Contract Dates:	Jan. 2017 – July 2018
Dollar Value:	\$34.7 Million
Awarding Authority / Owner:	New York City Dept. of Environmental Protection
Owner Contact / Details:	Nayan Shah, PE 718.595.6564

Cashman was selected to remove accumulated marine sediments to reduce associated nuisance odors. This work will allow the decommissioning of three sewer outfalls, which will end the 50 million gallons of sewer overflow that flow into the Bay each year. The work area is within and along the shorelines of Flushing Bay at the World's Fair Marina, Flushing Meadows, Corona Park.

