



NY Container Terminal / Berth 3 Deepening

HOWLAND HOOK, STATEN ISLAND, NY

Cashman Dredging was contracted to deepen the existing depths within Berth 3 to a depth of 50 feet (+2 feet) MLW. The firm worked closely with the Owner, as well as the Port Authority of New York and New Jersey (PANYNJ) and the US Coast Guard (USCG).

PROJECT HIGHLIGHTS

- Dredged ~9,500 cubic yards (yd³) of non-rock material and 33,000 cubic yards of blasted rock.
- Drilled a total of 2,429 holes.
- Drilled and blasted ~170,000 square feet of rock.
- Placed non-rock materials unsuitable for Historic Area Remediation Site (HARS) placement at an upland disposal facility for beneficial reuse.
- Placed HARS-suitable blasted rock at an artificial reef (Shark River) off the New Jersey coast.
- Employed a third-party consulting firm that specializes in strain monitoring of structures adjacent to blast sites to help develop a monitoring program for the pier as part of Cashman's Blast Plan.
- Utilized a staged approach to blasting in order to minimize the pressure on an existing pier that involved using a production area, a buffer zone, and a one-range cushion zone closest to the pier.

Location:	Howland Hook Staten Island, NY
Contractor:	Cashman Dredging & Marine Contracting Company, LLC
Subcontractor:	Clean Earth
Contract Dates:	Nov. 2014 – Jan. 2014
Dollar Value:	\$3.8 Million
Awarding Authority / Owner:	GCT New York LP (GCTNY)

