



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). For Success Cashman used the CAJF, the Kraken (currently the MJ Verrochi) and split hull dump scows

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

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| Location: | Howland Hook Staten Island, NY |
| Contractor: | Cashman Dredging & Marine Contracting Company, LLC |
| Subcontractor: | Clean Earth |
| Contract Dates: | Nov. 2014 – Jan. 2014 |
| Dollar Value: | \$4.8 Million |
| Awarding Authority / Owner: | GCT New York LP (GCTNY) |
| Owner Contact / Details: | Guy Buzzoni / GCTNY 201.706.4101 |

