



Arthur Kill Channel Navigation Improvement Project

NEW YORK & NEW JERSEY

The Arthur Kill is a major navigational channel, ~10 miles long and connects Newark Bay with Raritan Bay. Along the NJ side, it is lined with industrial sites; the Staten Island side is lined with salt marshes. To prepare the Port of NY/NJ for post-Panamax vessels, a Cashman JV was contracted to deepen the existing 43'-47' MLW channel to a depth of 52' MLW (+1.5' overdredge).

Marine operations included various types of dredging, including environmental dredging of contaminated sediments and disposal within a CAD cell; controlling marine traffic; and coordination with local, state and federal authorities.

PROJECT HIGHLIGHTS

- Drilled and blasted 2.1 million square feet of rock.
- Dredged 2.9 million CY of silt, clay, sand and blasted rock.
- Transported rock to Axel Carlson Reef construction site 45 nautical miles off the coast of New Jersey.
- Processed/transported suitable rock material to the Historic Area Remediation Site (HARS) 25 miles away.
- Processed and transported suitable silt material to the HARS for the Mud Dump Site (MDS) capping project.
- Processed/transported silt material not suitable for HARS to an approved upland disposal facility for beneficial reuse.
- Used Cashman's ADISS and AIS for vessel tracking.
- Installed and monitored 1,500 feet of silt curtain as part of a USACE pilot study program.
- Maintained environmental windows and working distances from protected species / animals.

Location:	Newark Bay & Arthur Kill Channels, NY / NJ
Contractor:	Northeast Dredging Equipment Co., LLC JV: (Cashman 50% Owner)
Contract Number:	W912DS10C0023 - SAK-1
Contract Dates:	Dec. 2010 – Oct. 2011
Dollar Value:	\$120 Million
Awarding Authority / Owner:	USACE, New York District
Project Engineers / Managers:	Cashman Dredging & Marine Contracting Company, LLC

This project was one of the largest improvement dredging projects on the East Coast and involved dredging in one of its busiest shipping channels.

