



Kill Van Kull Dredging (Contract 8)

NEWARK BAY, NEW JERSEY

The Kill Van Kull is a tidal strait between Staten Island, NY and Bayonne, NJ and is one of the most heavily travelled waterways in the Port of New York and New Jersey. Historically it has been one of the most important channels for the commerce of the region, providing a passage for marine traffic between Upper New York Bay and the industrial towns of northeastern New Jersey.

PROJECT HIGHLIGHTS

- The high volume of marine traffic in the Newark Bay area required continuous coordination with the US Coast Guard, harbor pilots, and the Port Authority of New York & New Jersey (PANYNJ).
- To achieve a 45' channel depth, this project required dredging of 1.3 million cubic yards (CY) of material for offshore disposal, and additional upland disposal of 200,000 CY of contaminated sediment for beneficial re-use.
- Cashman conducted dredging 24/7 at a rate of ~6,000 CY per day, while maintaining total port access.
- Offshore disposal was controlled with GPS guidance for precise placement of materials.
- Sub-aqueous drilling and blasting was performed to remove bedrock materials including diabase.
- The fleet of equipment included a specialized drill barge, Cashman's backhoe dredge *Capt. A.J. Fournier*, three ocean-going dredge scows, and two clamshell dredges.

Location:	Newark Bay, NJ
Contractor:	Cashman Dredging and Marine Contracting Company, LLC
Contract Number:	DACW51-03-C-0014
Contract Dates:	Aug. 2003 – Oct. 2004
Dollar Value:	\$35.5 Million
Awarding Authority / Owner:	USACE, New York District
Owner Contact / Details:	Sam DiDato 917.790.6248

This Army Corps Contract covered dredging of heavy materials and rock, with disposal in open waters as well as upland. The dredging included contaminated sediments.

