



# Mystic River Maintenance Dredging

## MYSTIC, CONNECTICUT

Cashman conducted maintenance dredging in several areas of the Mystic River in Connecticut: the 12- and 15-foot Federal Channels, the 9-foot Federal Anchorage and Turning Basin, and the 5-foot State Channels. The project required the removal of ~159,000 cubic yards of material by mechanical dredge from the Federal Channel with the removed material transported by scow and disposed at the New London Disposal Site (located ~5 miles from the mouth of the Mystic River). Cashman also was responsible for the removal of ~27,000 cubic yards of material by mechanical dredge from the State Channels with disposal at the Central Long Island Sound Disposal Site (~35 miles from the mouth of the River).

### PROJECT HIGHLIGHTS

- Dredging work was sequenced so that all dredging of the channel above the highway bridge to the upper wharves at the Mystic Seaport Museum was completed prior to dredging in all other areas.
- Cashman Dredging's use of a multibeam type surveying method for daily quality control surveying was a key factor in completing the dredging by limiting shoals from forming in the soft sediments in the Federal and State Channels and Federal Anchorage area.
- Use of excavators equipped with state-of-the-art, custom bucket positioning software allowed for highly accurate dredging in close proximity to docks and boats, without incident.
- Cashman's Dredge Quality Management electronic tracking system for the scows operated consistently over the 115 scow disposal events for the dredging of the Federal Channel and 17 scow disposal events from the State Channels.
- In spite of extreme winter weather where the area experienced severe cold and two blizzards during the month of January 2015, Cashman was able to complete the project on time.

Location:	Mystic Harbor, Mystic, CT
Contractor:	Cashman Dredging & Marine Contracting Company, LLC
Contract Number:	W912WJ14C0037
Contract Dates:	Dec. 2014-Jan. 2015 State Channel: Jan. 2016-Mar. 2016
Dollar Value:	\$8.2 Million
Awarding Authority / Owner:	USACE, New England District (NED)

This project received "Exceptional" reviews for on-site supervision and control of subcontractors, quality and schedule, as well as for safety practices and regulatory compliance.

