



Duxbury Harbor Maintenance Dredging

DUXBURY, MASSACHUSETTS

The Duxbury Harbor Federal Navigation Channel Project consisted of an 8'-deep, 100'-wide, one-mile long Entrance Channel, and an 8'-deep, 21-acre Anchorage in the inner harbor. The Harbor had not been dredged since 1997, and the accumulated sediment made parts of the harbor very shallow and caused boats to hit ground.

PROJECT HIGHLIGHTS

- Both the anchorage and entrance channel portions of the project had a one-foot overdraft to 9 feet.
- Work consisted of maintenance dredging of ~200,000 cubic yards of predominantly silt-clay by mechanical dredge; ~180,000 cubic yards from the Anchorage, and ~45,000 cubic yards from the Entrance Channel.
- A closed bucket was used while dredging in silty material to minimize turbidity adjacent to the dredge.
- Dredged sediment was transported and placed at the Cape Cod Bay Disposal Site located ~20 nautical miles from Duxbury Harbor.
- Some dredging was limited to an environmental window between September 1 and December 31, 2015; the project was completed by March 2016.

Location:	Duxbury Harbor, MA
Contractor:	Cashman / Burnham JV Oct.
Contract Dates:	2015 - Mar. 2016
Dollar Value:	\$3.9 Million
Cashman Portion:	\$2.8 Million
Awarding Authority / Owner:	USACE, New England District

Duxbury Harbor is located at the northwestern end of Cape Cod Bay in Duxbury, about 20 miles northwest of the Cape Cod Canal. It is an active recreational boating center.

