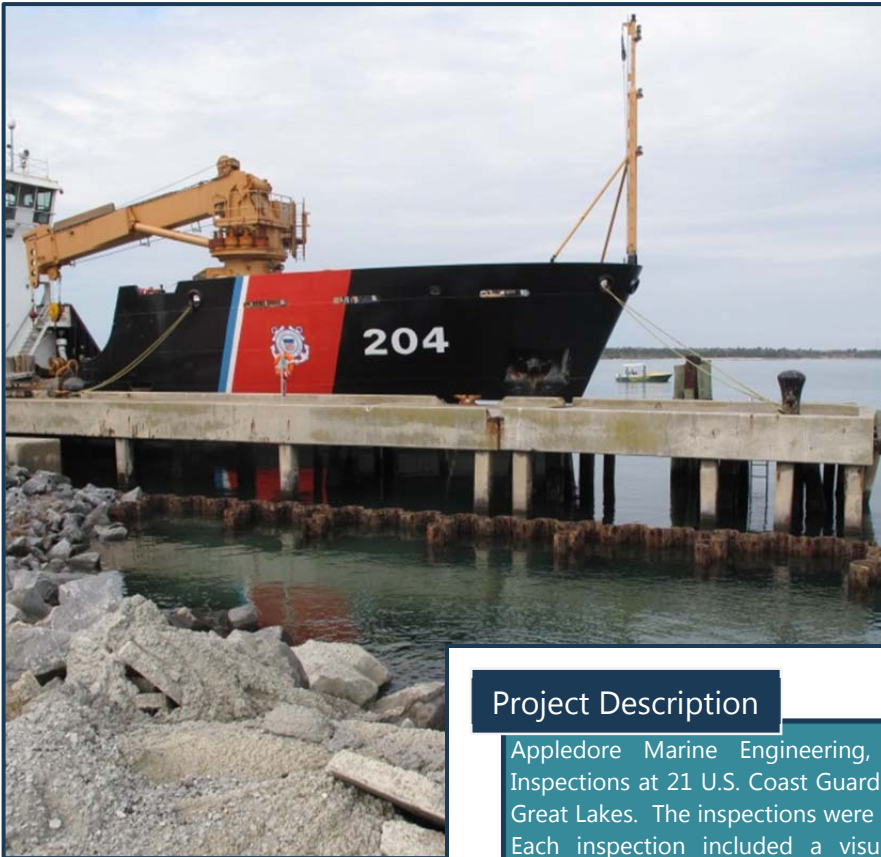


# FY 11 Waterfront Inspections District 5 and 9

USCG – CEU Cleveland



Facility	MPIC	MPIC Name	C.I.	IS	Freq.	O.C.A.	Operational Assessment	Last Repair	Total Repair	Immediate	New Total	Deferred	Total Repair
U.S. CGC 20045	10005	PUMPER BOAT	R	5	3					\$0.00	\$104,249.00	\$0.00	\$104,249.00
U.S. CGC 20046	10005	PUMPER BOAT	R	5	3					\$145,534.00	\$0.00	\$0.00	\$145,534.00
U.S. CGC 20047	10005	PUMPER BOAT	R	5	3					\$0.00	\$37,294.00	\$0.00	\$37,294.00
U.S. CGC 20048	10005	SEAF BOAT	R	5	3					\$0.00	\$0.00	\$0.00	\$0.00
U.S. CGC 20049	10015	SEAF BOAT	R	5	3					\$0.00	\$104,476.00	\$10,284.00	\$114,760.00
U.S. CGC 20050	10015	SEAF BOAT	R	5	3					\$0.00	\$46,762.00	\$10,724.00	\$57,486.00
U.S. CGC 20051	10015	SEAF BOAT	R	5	3					\$0.00	\$0.00	\$0.00	\$0.00
U.S. CGC 20052	10015	SEAF BOAT	R	5	3					\$0.00	\$43,747.00	\$0.00	\$43,747.00
U.S. CGC 20053	10015	PUMPER BOAT	R	5	3					\$0.00	\$80,981.00	\$0.00	\$80,981.00

## Project Description

Appledore Marine Engineering, Inc. (AMEI) performed Waterfront Facility Inspections at 21 U.S. Coast Guard facilities in North Carolina and throughout the Great Lakes. The inspections were by AMEI’s team of professional-engineer divers. Each inspection included a visual above and underwater inspections, asset inventory, and provided both condition and operational assessments.

In addition, a more detailed inspection was required on 16 structures subjected to vehicular loading in order to perform a basic structural analysis to determine or confirm the structure’s safe working load. The results of these inspections were incorporated into a routine inspection report for each facility, including current and forecasted structural assessments, above and underwater photographs, repair recommendations, estimated repair costs, and structural analyses.

This task order included developing a database management tool to organize and track valuable data on each of the Coast Guard’s waterfront structures. This database was developed in Microsoft Access using the data collected from the facility inspections included in this task order. The database was designed with guidance from Coast Guard personnel and tracks each structure’s condition assessment, operational assessment, recommended repairs, and estimated repair costs, among other data. The end result provides the Coast Guard with a user-friendly interface for accessing, sorting, and filtering data on each of their waterfront structures. This database is a tool for identifying mission-critical structures in need of repair to better appropriate maintenance money.

## Project Type

Inspection Studies/Analysis

## Location

North Carolina, Michigan, Ohio, New York

## Date of Service

November 2011 – July 2012



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## Services Provided

- Inspection
- Structural Analysis
- Repair Recommendations
- Cost Estimate
- Database Development