

D00177

NOAA Form 76-35A

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Survey

DESCRIPTIVE REPORT

Type of Survey: Investigation

Registry Number: D00177

LOCALITY

State: Connecticut

General Locality: New London

Sub-locality: New London City Pier

2013

CHIEF OF PARTY
Steven Loy

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

D00177

INSTRUCTIONS: The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

State: **Connecticut**

General Locality: **New London**

Sub-Locality: **New London City Pier**

Scale: **1: 5,000**

Date of Survey: **4/8/2013**

Instructions Dated: **3/28/2013**

Project Number: **S-B903-NRT5-13**

Field Unit: **NRT 5**

Chief of Party: **Steven Loy**

Soundings by: **Multibeam Echo Sounder**

Imagery by: **N/A**

Verification by: **Pacific Hydrographic Branch**

Soundings Acquired in: **meters at Mean Lower Low Water**

H-Cell Compilation Units: **N/A**

Remarks:

The purpose of this survey was to investigate depths adjacent to the New London city pier for docking the USCG Cutter Eagle. All separates are filed with the hydrographic data. Any revisions to the Descriptive Report (DR) generated during office processing are shown in bold red italic text. The processing branch maintains the DR as a field unit product, therefore, all information and recommendations within the body of the DR are considered preliminary unless otherwise noted. The final disposition of surveyed features is represented in the OCS nautical chart update products. All pertinent records for this survey, including the DR, are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via <http://www.ncei.noaa.gov/>.



UNITED STATES DEPARTMENT COMMERCE

National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Office of Coast Survey
Silver Spring, Maryland 20910-3282

27 April 2016

MEMORANDUM FOR: Commander Benjamin K. Evans, NOAA
Chief, Pacific Hydrographic Branch

FROM: Lieutenant Junior Grade Andrew R. Clos, NOAA
Team Lead, Navigation Response Team 5

SUBJECT: Submission of Survey D00177

The purpose of this survey is to respond to United States Coast Guard (USCG) requests for hydrographic surveys in the vicinity of City Pier, New London, CT to see if the conditions around the pier are safe for docking the *USCG Cutter Eagle*. Data from this survey is not intended to update the nautical chart. If dangers to Navigation are identified during the course of this survey, any such items will be submitted in a Danger to Navigation (Dton) Report. Although data was collected to Object Detection standards, detailed coverage analysis, cleaning and final tide application was not performed since the data will not be charted.

NRT5 processed the data it acquired and then provided the USCG with a printout of the chart, overlaid with survey scale soundings and a color coded CARIS BASE surface, which served as a digital terrain model. See the Constituent Product folder and file named New London – City Pier.pdf for more information. The purpose of this product was to allow for rapid visual assessment of the area immediately surrounding the City Pier. All survey information on this plot was derived from multi-beam echo sounder (MBES) data.

Soundings were reduced to Mean Lower Low Water (MLLW) using preliminary observed tides from tide station: 8461490 (New London, CT).

No Data Acquisition and Processing Report (DAPR) or Hydrographic Systems Readiness Review (HSRR) was performed prior to the acquisition of this survey. The 2012 reports are included for reference. All survey systems and methods utilized during this survey were as described in the 2012 Data Acquisition and Processing Report DAPR_S-A906-NRT5-12.pdf.

MBES data was initially processed in CARIS HIPS/SIPS 7.1, but was later upgraded to HIPS/SIPS 8.1.10.

All data was reviewed for Dangers to Navigation, and none were found.

This survey does not meet charting specifications and is not adequate to supersede prior data. The sole purpose of this submission is to archive the constituent products that were generated by this survey.

Metadata	
Project	S-B903-NRT5-13
Survey	D00177
State	Connecticut
Locality	New London, CT
Sub Locality	New London City Pier
Scale of Survey	1:5000
Sonars Used	Kongsberg EM3002
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water (MLLW)
Vertical Datum Correction	Preliminary Observed Tides from Gauge 8461490
Projection	Latitude-Longitude (NAD83) - UTM Zone 18N
Field Unit	NRT5
Survey Dates	4/8/2013
Chief of Party	Steven Loy
Submission Date	4/27/2016

APPROVAL PAGE

D00177

Survey D00177 was not planned to support a full chart update product. Due to not meeting NOAA charting specifications and negligible changes between charted data and surveyed data it has been decided that the survey will not be applied to NOAA charting products.

The following products will be sent to NGDC for archive:

- D00177_DR_Memo.pdf
- Processed survey data and records
- D00177_GeoImage.pdf

The survey evaluation and verification has been conducted according to current OCS specifications and procedures.

Approved: _____

Grant Froelich

Hydrographic Team Lead, Pacific Hydrographic Branch

The survey has not been approved for chart updates. The data will be archived at NGDC so that it can be made available for other uses.

Approved: _____

CDR Ben Evans, NOAA

Chief, Pacific Hydrographic Branch