

D00178

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: D00178

LOCALITY

State: New Jersey

General Locality: Upper and Lower Bay

Sub-locality: USCG AtoN New York Pier

2013

CHIEF OF PARTY
Steven Loy

LIBRARY & ARCHIVES

Date:

NOAA FORM 77-28 (11-72)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		REGISTRY NUMBER:	
HYDROGRAPHIC TITLE SHEET				D00178	
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:		New Jersey			
General Locality:		Upper and Lower Bay			
Sub-Locality:		USCG AtoN New York Pier			
Scale:		1: 5,000			
Date of Survey:		04/29/2013			
Instructions Dated:		04/13/2013			
Project Number:		S-B917-NRT5-15			
Field Unit:		NRT-5			
Chief of Party:		Steven Loy			
Soundings by:		Multibeam Echo Sounder			
Imagery by:		Sidescan Sonar			
Verification by:		Pacific Hydrographic Branch			
Soundings Acquired in:		meters at Mean Lower Low Water			
H-Cell Compilation Units:		N/A			
Remarks: <i>The purpose of this survey is to survey water depths along the U.S. Coast Guard Aids to Navigation Team's New York Pier. 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/.</i>					



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 D00178

The project S-B917-NRT5-13 was conducted by NRT5 in response to requests from several different local and federal agencies. The purpose of survey D00178 is to determine accurate water depths along the U.S. Coast Guard Aids to Navigation Team's New York Pier. Although the data was collected to Object Detection standards, due to the small size and specialized nature of the survey request, this survey was not intended to meet NOAA charting specifications.

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. The purpose of this product was to allow for rapid visual assessment of the area immediately surrounding the City Pier. See the Constituent Products folder and D00178_GeoImage_USCG_ANT_NY.pdf for reference. 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 observed tides from tide station: 8518750 (The Battery). A TCARI grid was also used and applied to the data to further refine the tidal corrections to this survey.

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.

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-B917-NRT5-13
Survey	D00178
State	New Jersey
Locality	Upper and Lower Bay, NY
Sub Locality	USCG Aids to Navigation Team New York Pier
Scale of Survey	1:5000
Sonars Used	Kongsberg EM3002, Klein 3000
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water (MLLW)
Vertical Datum Correction	Observed Tides from Gauge 8518750. 8531680
Projection	Latitude-Longitude (NAD83) - UTM Zone 18N
Field Unit	NRT5
Survey Dates	04/29/2013
Chief of Party	Steven Loy
Submission Date	4/27/2016



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
OFFICE OF COAST SURVEY
Pacific Hydrographic Branch
Seattle, Washington 98115-6349

September 2, 2016

MEMORANDUM FOR: Tara Wallace
Chief, Nautical Data Branch

FROELICH.GRANT.DANIEL.1272192509
2016.09.02 08:40:26 -07'00'

THROUGH: Grant Froelich, NOAA
Acting Chief, Pacific Hydrographic Branch

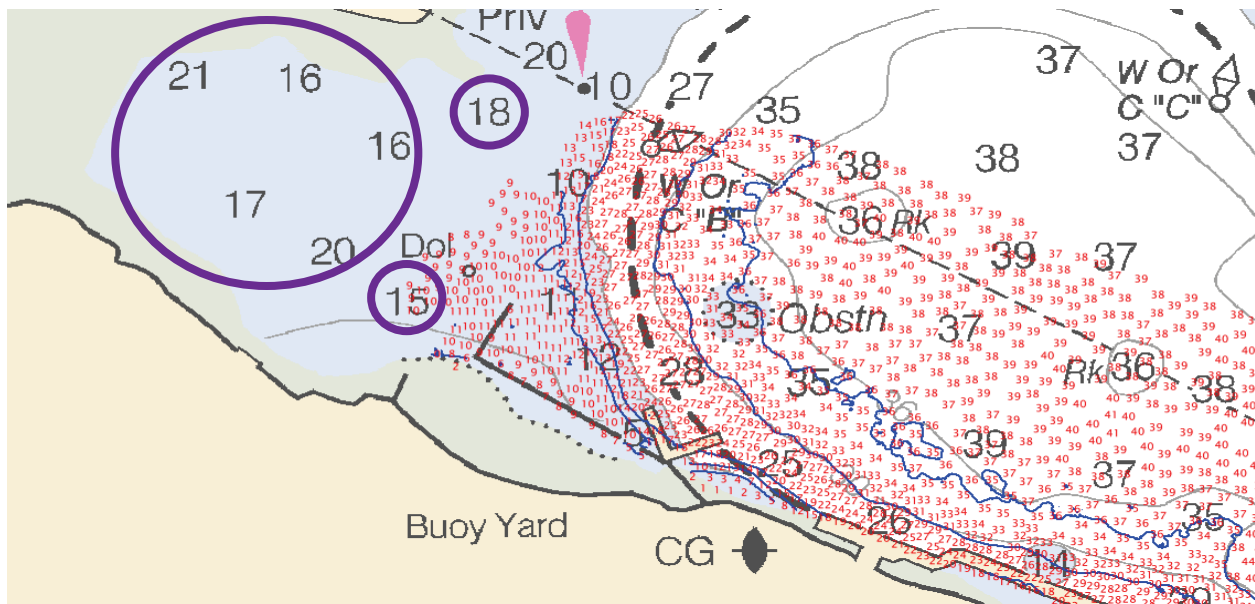
FROM: Peter Holmberg
Cartographic Team Lead, Pacific Hydrographic Branch

Digitally signed by
PETER HOLMBERG, PETER SCOTT, 1.3.6.1.4.1.31.1.1.1
(DN: cn=PETER, o=U.S. Government, ou=DoD, ou=NOA,
ou=CHS, email=peter.scott@noaa.gov)
Date: 2016.09.02 08:40:26 -07'00'

SUBJECT: Recommendation for chart update

D00178 (Project S-B917-NRT5-13, Upper and Lower Bay, NY) was a small reconnaissance survey. Due to the small size of the survey it was not slated for full compilation to the chart. PHB recommends the following updates be made to appropriate scale NOAA chart products.

- Chart 8 foot sounding at: 40-40-25.7N 074-05-29.4W
- Chart 9 foot sounding at: 40-40-26.7N 074-05-28.4W
- Chart 9 foot sounding at: 40-40-24.5N 074-05-30.7W
- Remove the soundings circled in purple in Figure 1.



D00178 survey data overlaid on NOAA RNC 12334



APPROVAL PAGE

D00178

Data was collected to Object Detection standards, though due to the small size and specialized nature of the survey request, this survey was not intended to meet NOAA charting specifications. With the exception of the chart letter submitted to MCD on September 2, 2016 to update a few select charted soundings the survey will not be applied to NOAA charting products.

The following products will be sent to NGDC for archive:

- D00178_DR_Memo.pdf
- Processed survey data and records
- D00178_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 Benjamin K. Evans, NOAA

Chief, Pacific Hydrographic Branch