

F00623

NOAA Form 76-35A

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

DESCRIPTIVE REPORT

Type of Survey: Response

Registry Number: F00623

LOCALITY

State: New York

General Locality: New York Harbor

Sub-locality: New York Harbor

2012

CHIEFS OF PARTIES
LTJG Andrew R. Clos, NOAA
LTJG Steven Loy, NOAA

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

F00623

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 York**

General Locality: **New York Harbor**

Sub-Locality: **New York Harbor**

Scale: **1: 10,000**

Dates of Survey: **10/31/2012 to 11/6/2012**

Instructions Dated: **10/31/2012**

Project Number: **S-B935-OCS-12**

Field Unit: **Navigation Response Teams 5 and 2**

Chiefs of Parties: **LTJG Andrew Clos and LTJG 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:

The purpose of this survey was to respond to US Coast Guard requests to for hydrographic surveys to reopen the ports in New York Harbor due to the effects of Hurricane Sandy. 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 Geophysical Data Center (NGDC) and can be retrieved via <http://www.ngdc.noaa.gov/>.



UNITED STATES DEPARTMENT COMMERCE

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

20 January 2015

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 F00623

Survey F00623 was conducted by NRT5 in response to Hurricane Sandy. The purpose of this survey is to respond to US Coast Guard requests for hydrographic surveys to reopen the ports in New York Harbor due to the effects of Hurricane Sandy. The survey limits and methods were determined by the on-scene United States Coast Guard (USCG) Commander and NOAA Navigation Manager. Data was collected in the most efficient manner to provide critical information to make real-time decisions on channel and/or port closures and openings. Therefore, the data are not intended to meet NOAA charting specifications.

NRT5 provided processed data to on-scene personnel from NRB, who in-turn, provided X, Y, Z data to the USCG for inclusion in the Environmental Response Management Application (ERMA). Additionally, GeoPDFs were submitted to the USCG after initial response efforts were concluded. These plots contained preliminary depths derived from multibeam and singlebeam echosounder data as well as imagery from side scan echosounder data.

Soundings were reduced to Mean Lower Low Water (MLLW) using observed tides from tide station: 8518750 (The Battery) and 8519483 (Bergen Point). Due to the effects of the hurricane, tide gauge 8518750 (The Battery) suffered intermittent outages. This may have contributed to vertical offsets found in some parts of the multibeam data. A tide zoning file was provided by CO-OPS from a 2012 survey of this area: B935NRT52012.zdf.

All survey systems and methods utilized during this survey were as described in the 2012 Data Acquisition and Processing Report DAPR_S-B935-NRT5-12.pdf and DAPR_S-B395-NRT2-2012.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.

Metadata	
Project	S-B935-OCS-12

Survey	F00623
State	New York
Locality	New York Harbor
Sub Locality	New York Harbor
Scale of Survey	1:10000
Sonars Used	Klein 3000, Kongsberg EM3002, R2 2024, Odom CV2
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water (MLLW)
Vertical Datum Correction	Verified Observed Tides from Gauge 8518750. 8519483
Projection	Latitude-Longitude (NAD83) - UTM Zone 18N
Field Units	NRT5 & NRT2
Survey Dates	10/31/2012 – 11/6/2012
Chief of Party	Steven Loy, Andrew Clos.
Submission Date	3/16/2015

APPROVAL PAGE

F00623

Data did not meet current specifications as determined by the OCS survey acceptance review process. The survey did not meet specifications because it was a time sensitive response survey where coarse hydrography (without full correctors applied) was adequate to reopen the channels in New York Harbor. The survey will not be applied to NOAA charting products.

The following products will be sent to NGDC for archive:

- F00623_DR_Memo.pdf
- Processed survey data and records
- F00623_GeoImage.pdf

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

Approved: _____

Peter Holmberg

Cartographic 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