

D00181

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: D00181

LOCALITY

State: New York

General Locality: Upper and Lower Bay

Sub-locality: Riss Landing Marina, Jamaica Bay

2013

CHIEF OF PARTY
Steven Loy

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

D00181

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: **Upper and Lower Bay**

Sub-Locality: **Riis Landing Marina, Jamaica Bay**

Scale: **1: 10,000**

Date of Survey: **04/24/2013**

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:

The purpose of this survey is to survey water depths at the Jacob Riis Landing in the Gateway National Recreation Area. 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 D00181

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 D00181 is to determine accurate water depths at the Jacob Riis Landing in the Gateway National Recreation Area due to the increased ferry traffic in the marina. The survey was requested by the National Park Service through the Department of Transportation. Although the data was collected to Object Detection utilizing multi-beam echo sounder (MBES), due to the small size and specialized nature of the survey request, this survey was not intended to meet NOAA charting specifications.

No constituent products were produced or provided to any party for this survey. This submission is for archival of processed data only.

Soundings were reduced to Mean Lower Low Water (MLLW) using observed tides from tide station: 8518750 (The Battery) and 8531680 (Sandy Hook). 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.

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.

| Metadata | |
|---------------------------|--|
| Project | S-B917-NRT5-13 |
| Survey | D00181 |
| State | New York |
| Locality | Upper and Lower Bay, NY |
| Sub Locality | Riis Landing Marina, Jamaica Bay |
| Scale of Survey | 1:10000 |
| Sonars Used | Kongsberg EM3002 |
| 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 | 04/24/2013 |
| 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 21, 2016

MEMORANDUM FOR: Tara Wallace
Chief, Nautical Data Branch

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THROUGH: CDR Benjamin K. Evans, NOAA
Chief, Pacific Hydrographic Branch

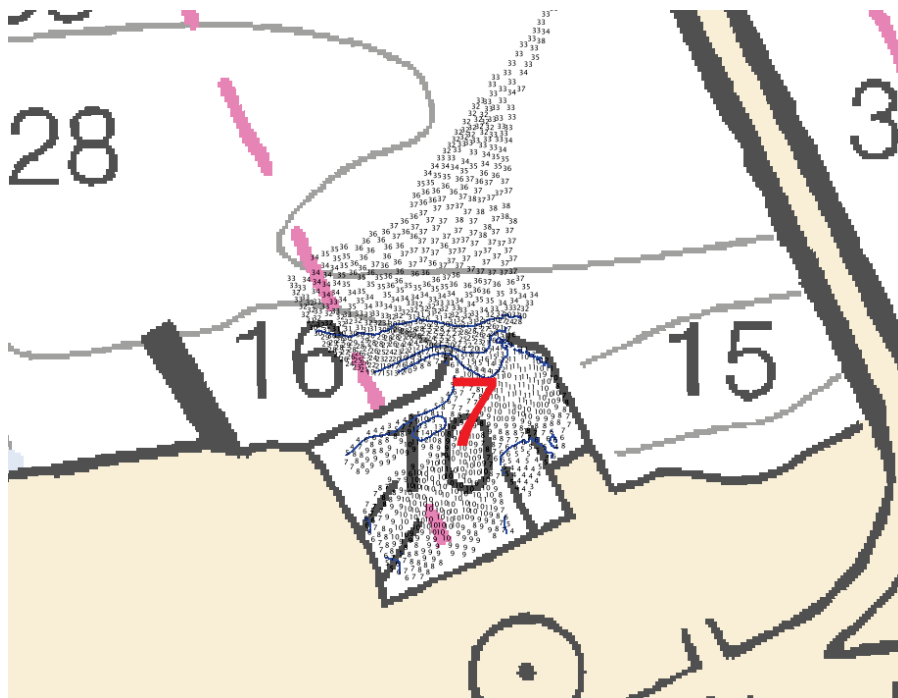
FROM: Peter Holmberg
Cartographic Team Lead, Pacific Hydrographic Branch

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SUBJECT: Recommendation for chart update

D00181 (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 7 foot sounding at: 40-34-07.1N, 073-53-02.6W
- Remove the 10 foot sounding inside the Riis Landing Marina at: 40-34-06.5N, 073-53-03.3W



D00181 survey data overlaid on NOAA RNC 12350

APPROVAL PAGE

D00181

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 21, 2016 to add one shoal sounding the survey will not be applied to NOAA charting products.

The following products will be sent to NGDC for archive:

- D00181_DR_Memo.pdf
- Processed survey data and records
- D00181_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