

W00413

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

DESCRIPTIVE REPORT

Type of Survey: External Source Data

Registry Number: W00413

LOCALITY

State(s): Florida

General Locality: Florida Coastline

Sub-locality: Palm Beach

2017

NOAA Remote Sensing Division

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

W00413

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(s): **Florida**

General Locality: **Florida Coastline**

Sub-Locality: **Palm Beach**

Scale: **1:10,000**

Dates of Survey: **02/13/2017 to 02/14/2017**

Project Number: **OSD-RSD-17**

Data Source: **NOAA Remote Sensing Division**

Chief of Party: **Michael Aslaksen**

Soundings by: **Topobathymetric Lidar**

Imagery by: **Not applicable**

Verification by: **Atlantic Hydrographic Branch**

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

Remarks:

The purpose of this survey is to provide contemporary surveys to update National Ocean Service (NOS) nautical charts. 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/>.

DESCRIPTIVE REPORT MEMO

April 26, 2019

MEMORANDUM FOR: Atlantic Hydrographic Branch

FROM: Report prepared by AHB on behalf of field unit.
Michael Aslaksen, Chief Remote Sensing Division,
NOAA National Geodetic Survey Remote Sensing Division

SUBJECT: Submission of Survey W00413

This survey was conducted for seafloor mapping purposes.

Remote Sensing Division original product existed as ESRI Digital Elevation Model. The DEM grid and was imported to CARIS from which AHB created a CSAR format grid for review. The final products were created per the HSD Direct Deliverable standards.

The data is corrected to MLLW.

This report does not include data acquisition and processing information.

There were no DTONs created for this survey.

NOAA NGS Remote Sensing Division acquired the data outlined in this report. Data not yet archived at NOAA Digital Coast.

This survey will be used to update NOAA navigational products.

This survey does meet charting specifications and is adequate to supersede prior data. This survey will be used to update NOAA navigational products. Recommended for chart application in coverage areas not common to F00745 and D00221. W00413 LIDAR data is not recommended to supersede multibeam echo sounder data (F00745) and vertical beam echo sounder data (D00221).

Metadata for Survey W00413	
Project	OSD-RSD-17
Survey	W00413
State	Florida
Locality	Florida Coastline
Sub-Locality	Palm Beach
Scale of Survey	1:10000
Sonars Used	Reigl VQ-880-G (Topobathymetric Lidar)
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	VDatum
Projection	NAD83 UTM Zone 17N
Field Unit	NOAA Remote Sensing Division
Survey Dates	02/13/2017 - 02/14/2017
Chief of Party	Michael Aslaksen
Submission Date	04/26/2019

National Geodetic Survey

Remote Sensing Division

Topobathy Lidar Survey Report

Project Geographic Location: Mar-a-lago, Florida

RSD Project Number: FL1705-TB-N

June 22, 2017



National Geodetic Survey

Remote Sensing Division

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1.0 Survey Summary

- RSD Project number: FL1705-TB-N
- Data acquisition by: NGS' Remote Sensing Division
- Dates of acquisition: February 13- February 14, 2017
- Acquisition system: RIEGL VQ-880-G
 - Lidar system specifications:
 - Circular-like scan pattern
 - System data collection at 145kHz (145 points/sec)

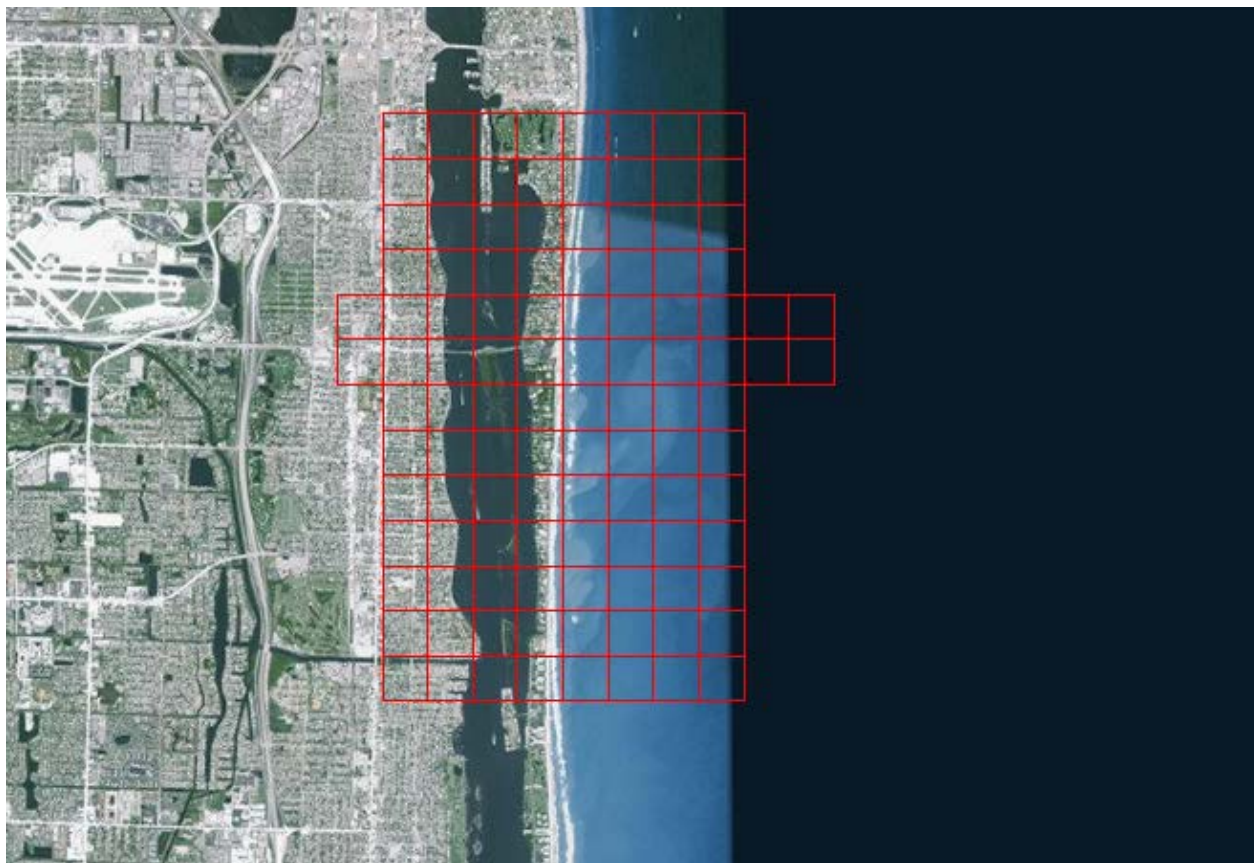


Figure 1. Mar-a-largo, FL Survey Area

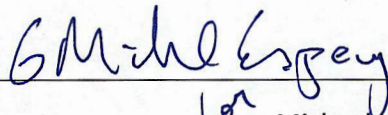
2.0 Submerged Features

No submerged features were found during this survey.

Letter of Approval

This short report and the accompanying data are respectfully submitted.

The Remote Sensing Division's operations contributing to the accomplishment of survey FL1705-TB-N were conducted under my supervision as well as quality assurance of the outputs. This report and associated data have been closely reviewed and are considered complete and adequate as per the [LIDAR and Digital Cameral Imagery Shoreline Requirements](#) and where possible NOAA's Nautical Chart Manual and the NOS Hydrographic Surveys Specifications and Deliverables (2016).



for Michael L. Aslaksen, Jr.

Chief, Remote Sensing Division

NOAA's National Geodetic Survey

APPENDIX I
TIDES AND WATER LEVELS

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APPROVAL PAGE

W00413

Data meet or exceed current specifications as certified by the OCS survey acceptance review process. Descriptive Report and survey data except where noted are adequate to supersede prior surveys and nautical charts in the common area.

The following products will be sent to NCEI for archive

- Descriptive Report
- Bathymetric Attributed Grid (BAG)
- Processed survey data and records
- GeoPDF of survey products

The survey evaluation and verification has been conducted according current OCS Specifications, and the survey has been approved for dissemination and usage of updating NOAA's suite of nautical charts.

Approved: _____

Lieutenant Commander Ryan Wartick, NOAA
Chief, Atlantic Hydrographic Branch