

D00216

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: D00216

LOCALITY

State: Florida

General Locality: Port Canaveral

Sub-locality: Port Canaveral

2016

CHIEF OF PARTY
Dan Jacobs

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

D00216

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: **Florida**

General Locality: **Port Canaveral**

Sub-Locality: **Port Canaveral**

Scale: **1: 10,000**

Dates of Survey: **10/08/2016 to 11/03/2016**

Instructions Dated: **10/07/2016**

Project Number: **S-G917-NRT4-16**

Field Unit: **Navigation Response Team 4**

Chief of Party: **Dan Jacobs**

Soundings by: **Kongsberg EM3002 Multibeam Echo Sounder**

Imagery by: **Edgetech 4125 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 respond to USCG requests for hydrographic surveys to reopen the channels in Port Canaveral due to the effects of Hurricane Matthew. 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

October 08, 2016

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM:

Dan Jacobs
Team Lead, NRT4

SUBJECT:

Submission of Survey D00216

The purpose of this survey is to respond to USCG requests for hydrographic surveys to reopen the channels in Port Canaveral due to the effects of Hurricane Matthew. The survey limits and methods (i.e., sensors used) will be determined by the Team Lead in consult with the NRB Chief and NOAA Navigation Manager. Data will be collected in the most efficient manner to provide USCG information that is critical to make real-time decisions on channel and/or port closures and openings. The data from this survey are not intended to meet NOAA charting specifications, and are not intended to be applied to the nautical chart with the exception of hazards to navigation (i.e., DTOns). As such, the field unit should submit a DR Memo in lieu of an XML Descriptive Report.

Chartlets conveying soundings in the channel leading into the Port of Canaveral were provided to NOAA Navigation Managers for distribution to the USCG and pilots.

Soundings were reduced to Mean Lower Low Water (MLLW) using observed tides from Port Canaveral FL Station ID 8721604 and tide zones provided by CO-OPS from a 2016 survey of this area G917NRT2016CORP.zdf.

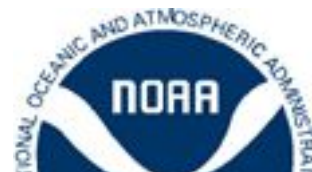
All survey systems and methods utilized during this survey were as described in the PDF document entitled NRT4_2016_DAPR_Final.

All data was reviewed for DTON and none were found.

Bathymetry with concurrent side scan were acquired and inspected for Port Canaveral. No obstructions or shoaling were observed. Multibeam coverage within the channel and less than 41.3 feet were inspected and found to be noise artifacts produced from the turbulent sea state - meteorological remnants of Hurricane Matthew, which had passed through the area a day before. Data reflects state of sea floor on the day surveyed.

This survey does not meet charting specifications and is not adequate to supersede prior data. Survey data was acquired in less-than-ideal weather conditions and sea state resulting in numerous "bubble-sweep" artifacts, motion artifacts and blowouts.

Survey data should be archived at NCEI and the DR memo forwarded to HSD.



Metadata for Survey D00216	
Project	S-G917-NRT4-16
Survey	D00216
State	Florida
Locality	Port Canaveral
Sub Locality	Port Canaveral
Scale of Survey	1:10000
Sonars Used	Kongsberg EM3002 Multibeam EdgeTech 4125 Side Scan Sonar
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	Discrete Zoning
Projection	UTM Zone 17
Field Unit	NRT 4
Survey Dates	10/08/2016
Chief of Party	Dan Jacobs
Submission Date	11/03/2016

APPROVAL PAGE

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Data did not meet current specifications as determined by the OCS survey acceptance review process. The survey did not meet specifications mainly due to poor weather conditions during acquisition and it being a response survey, thus not all data correctors were applied. The survey will not be applied to NOAA charting products.

The following products will be sent to NGDC for archive:

- D00216_DR_Memo.pdf
- Processed survey data and records
- D00216_GeoImage.pdf

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

Approved: _____

Katie Reser

Physical Scientist, 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 Evans, NOAA

Chief, Pacific Hydrographic Branch