

D00261

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

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: D00261

LOCALITY

State(s): Florida

General Locality: Panama City

Sub-locality: Panama City

2018

CHIEF OF PARTY
James L. Kirkpatrick

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

D00261

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: **Panama City**

Sub-Locality: **Panama City**

Scale: **10000**

Dates of Survey: **10/12/2018 to 10/18/2018**

Instructions Dated: **10/10/2018**

Project Number: **S-J952-NRB-18**

Field Unit: **NOAA Navigation Response Team 2**

Chief of Party: **James L. Kirkpatrick**

Soundings by: **Kongsberg Maritime EM 2040C (MBES)**

Imagery by: **EdgeTech 4125 (SSS)
Kongsberg Maritime EM 2040C (MBES Backscatter)**

Verification by: **Pacific Hydrographic Branch**

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

Remarks:

Any revisions to the Descriptive Report (DR) applied during office processing are shown in red italic text. The DR is maintained as a field unit product, therefore all information and recommendations within this report are considered preliminary unless otherwise noted. The final disposition of survey data is represented in the NOAA nautical chart products. All pertinent records for this survey are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via <https://www.ncei.noaa.gov/>. Products created during office processing were generated in NAD83 UTM 16N, MLLW. All references to other horizontal or vertical datums in this report are applicable to the processed hydrographic data provided by the field unit.

DESCRIPTIVE REPORT MEMO

March 20, 2019

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: James Kirkpatrick
Team Lead, Navigation Response Team 2

SUBJECT: Submission of Survey D00261

The purpose of this survey is to respond to a USCG request for hydrographic survey to reopen the channels in Panama City, due to the effects of Hurricane Michael. 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 field unit should submit a DR Memo in lieu of an XML Descriptive Report.

Daily reports were created and forwarded to navigation managers and NRB headquarters. These reports were then disseminated to USCG and ACOE. Final products were also delivered at the completion of the survey. All products can be found in the "Public_Relations_Constituent_Products" folder of this report.

All soundings were reduced to Mean Lower Low Water using VDatum. The horizontal datum for this project is North American Datum of 1983 (NAD 83). The projection used for this project is Universal Transverse Mercator (UTM) Zone 16.

Soundings were reduced to Mean Lower Low Water (MLLW) using ERS VDatum separation models provided with the project instructions.

All survey systems and methods utilized during this survey were as described in S-J952-NRB-18_DAPR.

There were no DTONs created for this survey.

Navigation Response Team 2 arrived in Panama City on October 11th, 2018 1 day after landfall of Category 4 Hurricane Michael. Damage was severe. Communications were severely limited, as the storm had damaged Verizon's fiber optic cabling and cell service was non-existent. Early morning October 12th the team made it onto the USCG base at Panama City. After quick meeting with the USCG to discuss logistics we launched the boat and began working on priority area 1. After a full

day on the water we found a hotel and were able to scan the data for DTONs. October 13th was another full day as we continued to knock out the priority areas assigned. NRT1 arrived on scene late that night as well as several other folks to assist with processing the data and giving us some much needed rest. On October 14th NRT2 and NRT1 (using NRT4 vessel) both surveyed and split up remaining priority areas. The next few days were much of the same with 2 vessels surveying from dawn until well after dark. NRT4 experienced some mechanical issues on October 16th and was unable to survey for the rest of the response. The onshore data processors worked very long hours as well and were instrumental in the success of the response. No DTONs were submitted during the survey but several areas of interest were relayed to USCG who made decisions on the best course of action towards obstruction removal and channel openings.

This survey does meet charting specifications and is adequate to supersede prior data. Although not intended to supersede prior data, the data is adequate to do so.

Metadata for Survey D00261	
Project	S-J952-NRB-18
Survey	D00261
State	Florida
Locality	Panama City
Sub-Locality	Panama City
Scale of Survey	1:10000
Sonars Used	Kongsberg Maritime EM 2040C (MBES) EdgeTech 4125 (SSS)
Horizontal Datum	North American Datum 1983
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	VDatum
Projection	Projected UTM 16
Field Unit	NRT2
Survey Dates	10/12/2018 - 10/18/2018
Chief of Party	James L. Kirkpatrick
Submission Date	03/20/2019

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APPROVAL PAGE

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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
- Collection of Bathymetric Attributed Grids (BAGs)
- Collection of backscatter mosaics
- 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: _____

Commander Olivia Hauser, NOAA
Chief, Pacific Hydrographic Branch