D00262

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

DESCRIPTIVE REPORT

Type of Survey:	Navigable Area
Registry Number:	D00262

LOCALITY

State(s):	Florida
General Locality:	Pensacola
Sub-locality:	Pensacola Bay

2018

CHIEF OF PARTY
Alex Ligon

LIBRARY & ARCHIVES

Date:

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

REGISTRY NUMBER:

HYDROGRAPHIC TITLE SHEET

D00262

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:	**Pensacola**
Sub-Locality:	**Pensacola Bay**
Scale:	**10000**
Dates of Survey:	**10/11/2018 to 10/13/2018**
Instructions Dated:	**10/11/2018**
Project Number:	**S-J953-NRT1-18**
Field Unit:	**NOAA Navigation Response Team 1**
Chief of Party:	**Alex Ligon**
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 12, 2019

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: Joshua Bergeron
Physical Scientist Technician, Navigation Response Team 1, NOAA,
Office of Coast Survey, Navigation Response Branch

SUBJECT: Submission of Survey D00262

The purpose of this survey is to respond to a USCG request for hydrographic survey to reopen the channels in Pensacola, due to the effects of Hurricane Michael.

There were no products created for this survey.

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.

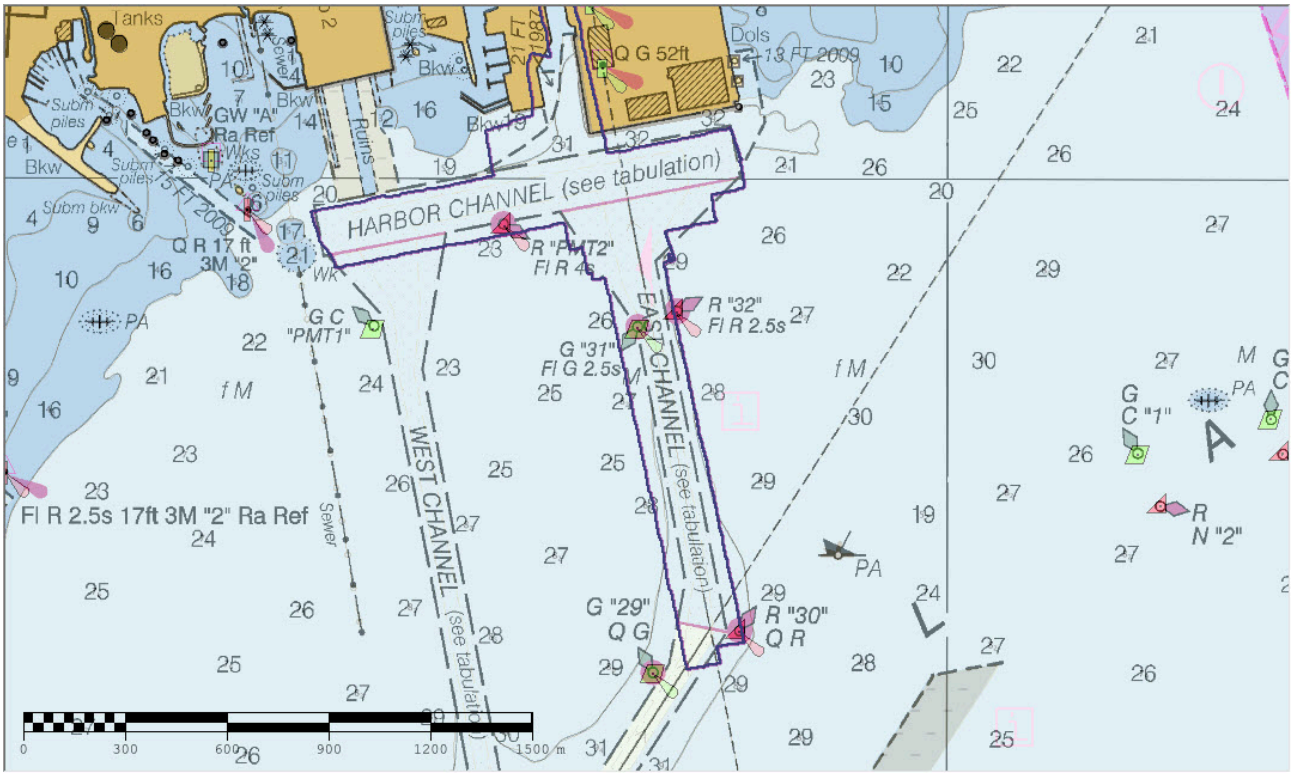
Soundings were reduced to Mean Lower Low Water (MLLW) by calculating GPS tides using VDatum
model S-J953-NRT1-18_Vdatum_xyNAD83-MLLW_geoid12b.csar

S3008 from NRT4 was used for data collection. All survey systems and methods utilized during this survey were as described in S-J952-NRT1-18.pdf

There were no DTONs created for this survey.

Due to time restraints associated with Hurricane Michael response efforts, survey priority was given to the Harbor and its approaches. Object Detection Option B (200% side scan sonar coverage with concurrent multibeam bathymetry) was achieved within the Harbor Channel and the East Channel south to the Red 30 day marker (See image below). Complete Coverage Option B (100% side scan sonar coverage with concurrent multibeam bathymetry) was achieved from the Red 30 day marker through Bay Channel and Barrancas Channel to the Red 14 day marker, as well as Picken's Channel and its turning basin. Object Detection coverage was not achieved in all areas due to a lack of side scan coverage associated with the final day and a need to respond to higher survey priorities in Panama City at the time.

No significant features, not previously identified, measuring at least 1m square were identified with this survey. The survey does indicate the possibility of shoaling along the western tip of Santa Rosa Island. However, a more detailed survey of the area between Barrancas Channel and Caucus Channel would be needed to confirm this. A graphic of this indication was produced through chart comparison and may be found within the Surface_QC folder in Separates II. No chart update is recommend by our team.



Object detection coverage area is depicted in Purple

The survey is partially adequate to supersede previous data. Full coverage was accomplished with Object Detection only in priority areas.

During office review it was determined that this survey is adequate to supersede data on the chart. Features have been addressed in the final feature file.

APPROVAL PAGE

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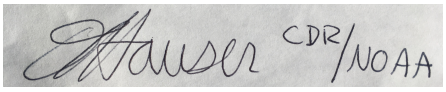
Data meet or exceed current specifications as certified by the OCS survey acceptance review process. Descriptive Report and survey data except where noted are adequate to supersede prior surveys and nautical charts in the common area.

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.



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Approved:_____

Commander Olivia Hauser, NOAA
Chief, Pacific Hydrographic Branch