

F00697

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

DESCRIPTIVE REPORT

Type of Survey: Field Examination

Registry Number: F00697

LOCALITY

State(s): South Carolina

General Locality: Approaches to
Wilmington

Sub-locality: 60 Miles East of
Cape Romain

2016

CHIEF OF PARTY
Matthew Jaskoski,
LCDR/NOAA

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

F00697

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): **South Carolina**

General Locality: **Approaches to Wilmington**

Sub-Locality: **60 Miles East of Cape Romain**

Scale: **40000**

Dates of Survey: **11/09/2016 to 11/10/2016**

Project Number: **OPR-G309-FH-16**

Data Source: **Matthew Jaskoski, LCDR/NOAA**

Chief of Party: **Multibeam Echo Sounder**

Soundings by: **Multibeam Echo Sounder Backscatter**

Imagery by: **Atlantic Hydrographic Branch**

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 <https://www.ncei.noaa.gov/>.



DESCRIPTIVE REPORT MEMO

September 15, 2017

MEMORANDUM FOR: Atlantic Hydrographic Branch

FROM: Matthew Jaskoski, LCDR/NOAA
 Chief of Party, NOAA Ship FERDINAND R. HASSLER

SUBJECT: Submission of Suvey F00697

Survey F00697 was conducted by NOAA Ship Ferdinand R. Hassler in order to provide data to disprove the obstruction, position approximate at location 32-56-12.07N 078-17-27.11W in order to remove said charted feature from all applicable charts. Survey operations were completed on November 10, 2016

NOAA Ship Ferdinand R. Hassler provided raw (ie: .s7k), processed (ie: HDCS), and ancillary (ie: POS, SBET, RMS, SVP, Tides) data to the Atlantic Hydrographic Branch. A 2m BASE surface with associated finalized surface were also submitted to the Atlantic Hydrographic Branch.

Soundings were reduced to Mean Lower Low Water (MLLW) using a VDatum separation model after 5P processing solution was applied via SBETs and RMS files.

All survey systems and methods utilized during this survey were as described in OPR-D304-FH-16_DAPR.

There were no DTONs created for this survey.

All data were acquired by a NOAA or NOAA Contractor field unit

Obstruction was not observed in the MBES data. Hydrographer recommends deleting obstruction, position approximate feature from all applicable charts.

This survey does meet charting specifications and is adequate to supersede prior data.

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

Metadata for Survey F00697	
Project	OPR-G309-FH-16
Survey	F00697
State	South Carolina



Locality	Approaches to Wilmington
Sub-Locality	60 Miles East of Cape Romain
Scale of Survey	1:40000
Sonars Used	Reson 7125 MBES 400kHz
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	VDatum
Projection	UTM Zone 17N
Field Unit	NOAA Ship FERDINAND R. HASSLER
Survey Dates	NOAA Ship FERDINAND R. HASSLER
Survey Dates	11/09/2016 - 11/10/2016
Chief of Party	Matthew Jaskoski, LCDR/NOAA
Submission Date	09/15/2017

APPENDIX I
TIDES AND WATER LEVELS

APPENDIX II

SUPPLEMENTAL SURVEY RECORDS AND CORRESPONDENCE

APPROVAL PAGE

F00697

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)
- Backscatter mosaics (2)
- 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 Briana W. Hillstrom, NOAA
Chief, Atlantic Hydrographic Branch