

F00756

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

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: F00756

LOCALITY

State(s): Georgia

General Locality: Savannah, GA

Sub-locality: Savannah River

2018

CHIEF OF PARTY
James Kirkpatrick

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

F00756

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): **Georgia**

General Locality: **Savannah, GA**

Sub-Locality: **Savannah River**

Scale: **10000**

Dates of Survey: **10/04/2018 to 10/04/2018**

Instructions Dated: **10/04/2018**

Project Number: **S-G950-NRT2-18**

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

Chief of Party: **James Kirkpatrick**

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

Imagery by: **EdgeTech 4125 (SSS)**

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 17N, 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

January 29, 2019

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: James Kirkpatrick
Team Lead, Navigation Response Team 2

SUBJECT: Submission of Survey F00756

The purpose of this survey was to assist in locating a lost anchor and chain in or near The Bight Channel in the Savannah River.

Products were created for the Savannah Pilots Association and the USCG Savannah

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 17.

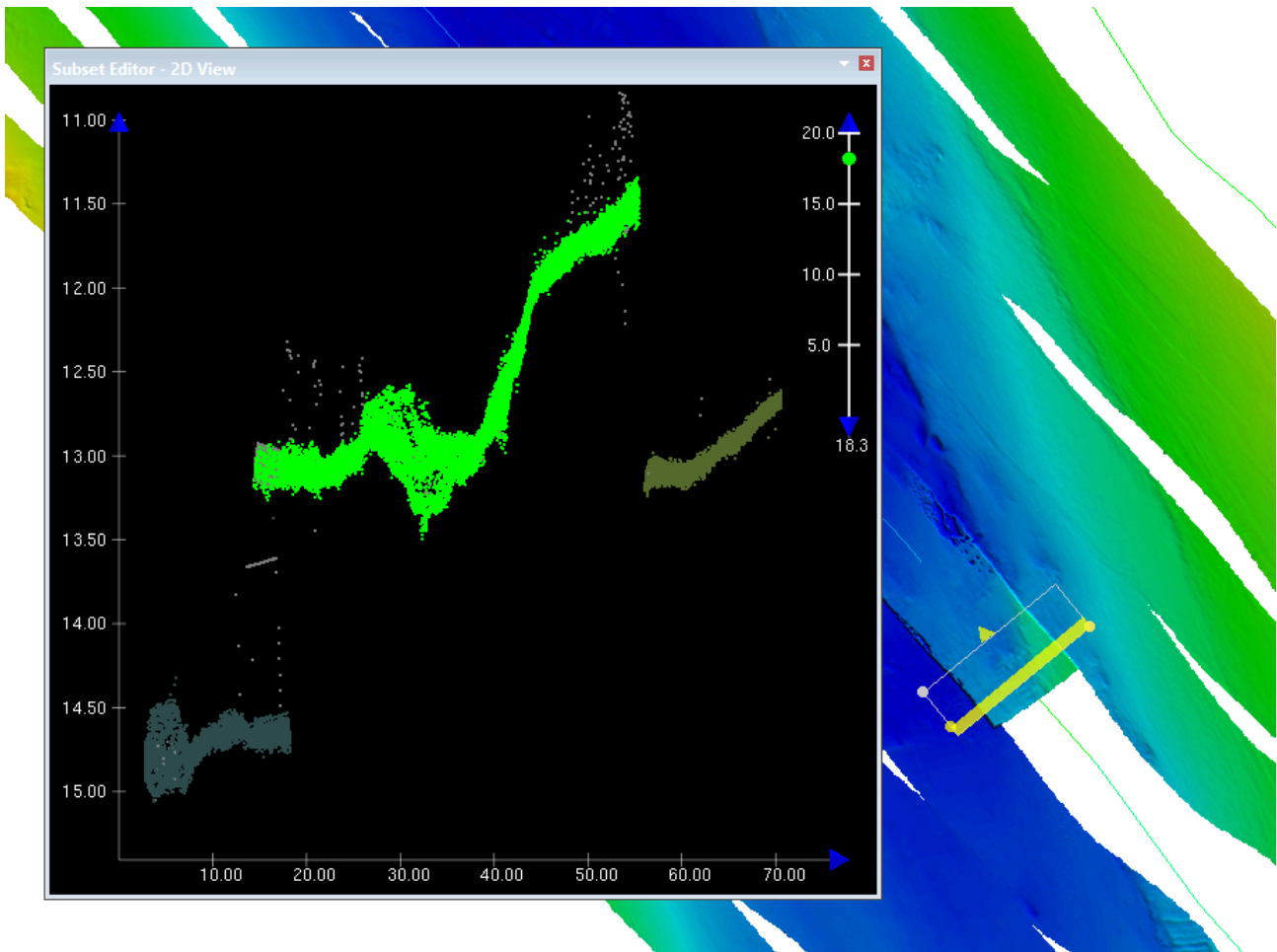
Soundings were reduced to Mean Lower Low Water (MLLW) using ERS tides with the VDatum model S-G950-NRT2-18_ERS_xyNAD83-MLLW_geoid12b.

All survey systems and methods utilized during this survey were as described in NRT2_S3009_DAPR_2018.

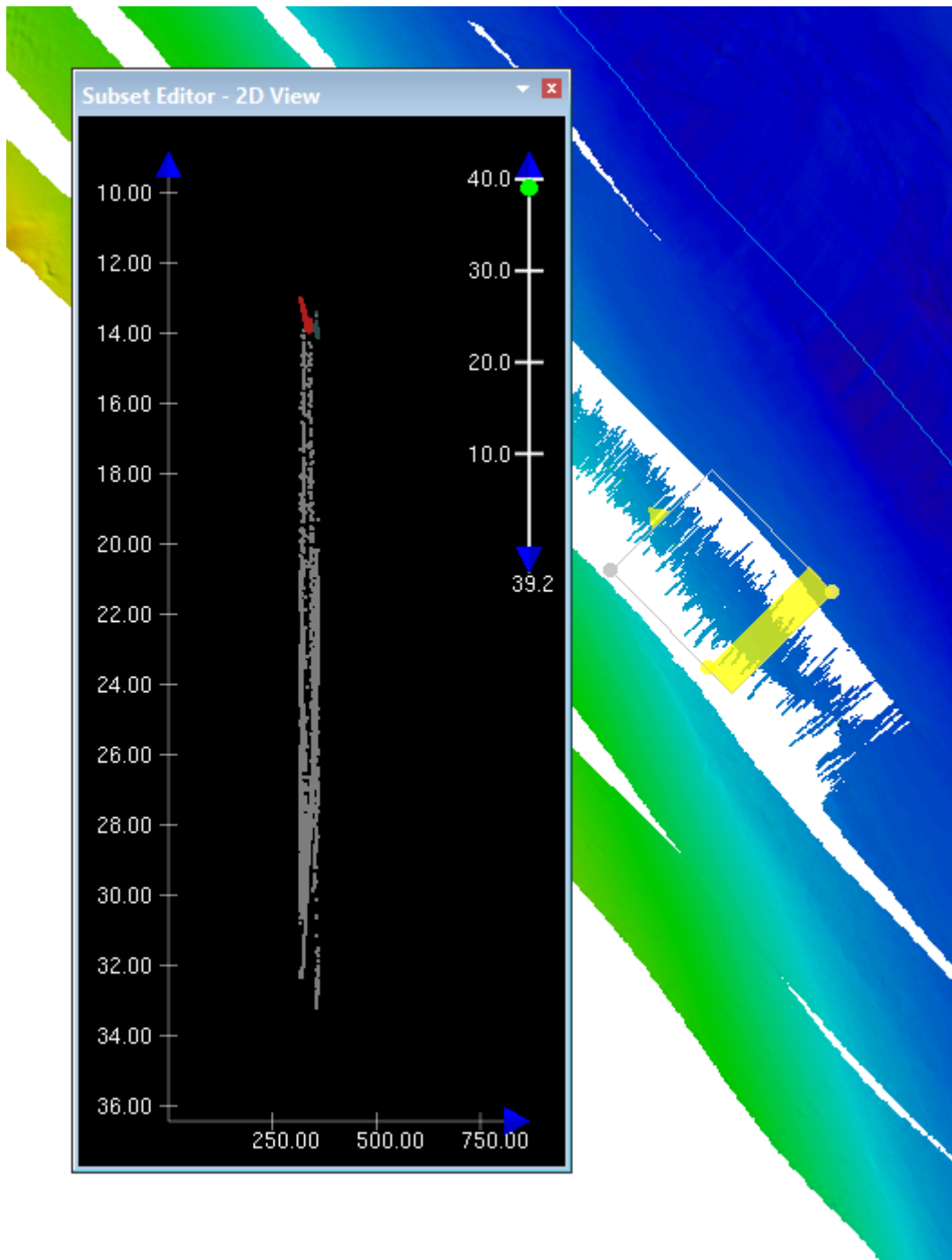
There were no DTONs created for this survey.

Four possible contacts were found and reported but not confirmed as the targeted anchor. Products created for USCG are included in Public Relations and Constituent Products folder. The USCG has confirmed that the anchor was located and removed. No obstruction or DTON exists in the survey area. Correspondence emails can be found in Appendix 2 of this report. MBES Line 0253_20181004_192038 is missing the southeastern most portion of the line. The data is missing due to unknown causes and several attempts to remedy the situation did not help. Only a small portion of the line was in the actual survey limits and the data that is present is of good quality. The Southeastern most section of line 0247_20181004_183041 was deleted intentionally due to an ERS tide issue that could not be resolved. A vertical offset of approximately 1.5 meters was apparent in that section. See image below for visual realization. Two other data issues were seen in the Southeast section of the survey. Both were due to MBES "blowouts" most likely caused by

ship traffic or bubble sweep down from the survey vessel hull design. This data was cleaned and remaining soundings represent the true state of the sea floor. Images below illustrate the issue.



ERS vertical offset issue



Data "blowout" in southeast section of survey

This survey does meet charting specifications and is adequate to supersede prior data. This response survey was not planned to update current chart, however data is adequate to do so.



James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>

Savannah

6 messages

James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>
To: Kyle Ward - NOAA Federal <Kyle.ward@noaa.gov>

Wed, Jan 30, 2019 at 9:57 AM

Any luck finding details on the anchor recovery?

--

James Kirkpatrick
Team Lead NRT2
904-310-9208
757-903-7199

Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>
To: James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>

Wed, Jan 30, 2019 at 10:44 AM

James,
I was not able to find anything. I believe I received information that the chain and anchor were removed via personal communication. I will followup with the USCG.
Thanks,
Kyle

Kyle R. Ward
Southeast Navigation Manager
NOAA Office of Coast Survey
301.651.4852 cell

[Quoted text hidden]

James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>
To: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>

Wed, Jan 30, 2019 at 10:54 AM

Ok, it would be great if we could get the position and a little info on who found it and with what equipment. And confirmation that it was removed.

Thanks

[Quoted text hidden]

Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>
To: Josephine.A.Long@uscg.mil, James Kirkpatrick <James.Kirkpatrick@noaa.gov>

Wed, Jan 30, 2019 at 10:54 AM

LCDR Long,
Can you provide a statement about how the anchor search late last year was resolved? Was the anchor removed? The survey data we collected is being archived and it is important to document if an obstructions may still exist.
Best Regards,
Kyle

Kyle R. Ward
Southeast Navigation Manager
NOAA Office of Coast Survey
301.651.4852 cell

[Quoted text hidden]

Long, Josephine A LCDR <Josephine.A.Long@uscg.mil>

Thu, Jan 31, 2019 at 10:27 AM

To: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, James Kirkpatrick <James.Kirkpatrick@noaa.gov>

Good morning,

The anchor and chain were recovered, and no obstruction exists.

Regards,

JAL

From: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>

Sent: Wednesday, January 30, 2019 10:55 AM

To: Long, Josephine A LCDR <Josephine.A.Long@uscg.mil>; James Kirkpatrick <James.Kirkpatrick@noaa.gov>

Subject: [Non-DoD Source] Fwd: Savannah

[Quoted text hidden]

James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>

Thu, Jan 31, 2019 at 10:36 AM

To: "Long, Josephine A LCDR" <Josephine.A.Long@uscg.mil>

Cc: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>

Great, you wouldn't happen to have the position it was recovered from would you?

Best,

James

[Quoted text hidden]

APPROVAL PAGE

F00756

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 side scan and 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