

D00192

NOAA Form 76-35A

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

DESCRIPTIVE REPORT

Type of Survey: Reconnaissance

Registry Number: D00192

LOCALITY

State: Georgia

General Locality: St. Marys

Sub-locality: St. Marys River

2015

CHIEF OF PARTY
Eric Anderson

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

D00192

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: **Georgia**

General Locality: **St. Marys**

Sub-Locality: **St. Marys River**

Scale: **1: 10,000**

Dates of Survey: **4/29/2015 to 10/29/2015**

Instructions Dated: **09/24/2014**

Project Number: **S-G926-NRT2-14**

Field Unit: **Navigation Response Team 2**

Chief of Party: **Eric Anderson**

Soundings by: **Multibeam Echo Sounder**

Imagery by:

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 was to reconnaissance for the purposes of industrial and commercial development . 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/>.

DR MEMO

11/25/2015

MEMORANDUM FOR: Chief, Pacific Hydrographic Branch

FROM: Erik H Anderson
Team Lead,
NRT2

SUBJECT: Submission of Survey D00192

The Southeast Navigation Manager received a request to have NRT2 survey the St. Mary's River on the border of FL and GA from both the Nassau County Economic Development Board and the Fernandina Pilots. The recon survey consists of two lines of Multibeam acquisition in the survey limits to compare with the Skidaway Institute of Oceanography (SKIO) survey data. There are several other areas that need further development to see if those areas are deep enough for potential barge traffic. This recon survey could provide great economic benefits to the area with potential jobs and encourage new industry. If the results from this survey are positive and the stakeholders decide to go forward with new development of industries along the St. Marys River, which could take several years, a new nautical chart would have to be created and a full hydrographic survey will be needed.

NRT2 provided paper plots and digital GeoPDFs of the NOT FOR NAVIGATION data to the navigation manager.

Soundings were reduced to Mean Lower Low Water (MLLW) using verified tides from <8720030> and tide zones provided by CO-OPS. There was no zoning file for the north river section.

All survey systems and methods utilized during this survey were as described OPR-SG926-NRT2-15_DAPR.

This survey **DOES NOT MEET** charting specifications and is not adequate to supercede prior data. Data is being submitted to **archival purposes only**.

Meta Data for D00192	
Project	S-G926-NRT2-14
Survey	D00192
State	Georgia
Locality	St. Marys
Sub Locality	St. Marys River
Scale of Survey	1:10000
Sonars Used	R2Sonic2024
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water (MLLW)
Vertical Datum Correction	Verified Tides from Gauge <8720030>
Projection	Latitude-Longitude (NAD83) - UTM Zone 17N
Field Unit	NRT2
Survey Dates	2015_119-2015_302
Chief of Party	Erik H Anderson
Submission Date	11/25/2015

ANDERSON.ERIK
K.HANS.138863
7370

Digitally signed by
ANDERSON.ERIK.HANS.1388637370
DN: c=US, o=U.S. Government,
ou=DoD, ou=PKI, ou=OTHER,
cn=ANDERSON.ERIK.HANS.13886373
70
Date: 2015.11.25 12:34:41 -05'00'

DTON Report

Registry Number: D00192
State: Florida
Locality: St. Marys River
Sub-locality: St. Marys River
Project Number: S-G926-NRT2-14
Survey Date: 05/29/2015 - 10/29/2015

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11503	46th	06/01/2015	1:25,000 (11503_1)	USCG LNM: 12/1/2015 (3/22/2016) NGA NTM: 4/9/2011 (3/26/2016)
11489	40th	02/01/2015	1:40,000 (11489_1)	USCG LNM: 2/23/2016 (3/22/2016) NGA NTM: 4/9/2011 (3/26/2016)
11502	31st	01/01/2007	1:80,000 (11502_1)	[L]NTM: ?
11480	40th	03/01/2007	1:449,659 (11480_1)	[L]NTM: ?
11451	33rd	09/01/2007	1:495,362 (11451_17)	[L]NTM: ?
11009	38th	12/01/2006	1:1,200,000 (11009_1)	[L]NTM: ?
411	52nd	09/01/2007	1:2,160,000 (411_1)	[L]NTM: ?

* Correction(s) - source: last correction applied (last correction reviewed--"cleared date")

Features

No.	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	Shoal	1.76 m	30° 42' 51.9" N	081° 32' 39.1" W	---
1.2	Shoal	1.10 m	30° 42' 49.4" N	081° 32' 38.3" W	---
1.3	Shoal	1.75 m	30° 43' 16.0" N	081° 31' 15.0" W	---

1 - Dangers To Navigation

1.1) 0_ 000000600 00001 / DTON_Sdgs.000**DANGER TO NAVIGATION****Survey Summary**

Survey Position: 30° 42' 51.9" N, 081° 32' 39.1" W
Least Depth: 1.76 m (= 5.76 ft = 0.961 fm = 0 fm 5.76 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
Dataset: DTON_Sdgs.000
FOID: 0_ 000000600 00001(FFFE000002580001/1)
Charts Affected: 11489_1, 11502_1, 11480_1, 11451_17, 11009_1, 411_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
DTON_Sdgs.000	0_ 000000600 00001	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

6ft (11489_1, 11502_1, 11451_17)

1fm (11480_1, 11009_1, 411_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: QUASOU - 6:least depth known
 SORDAT - 20150512
 SORIND - US,US,graph,D00192
 TECSOU - 3:found by multi-beam

Feature Images

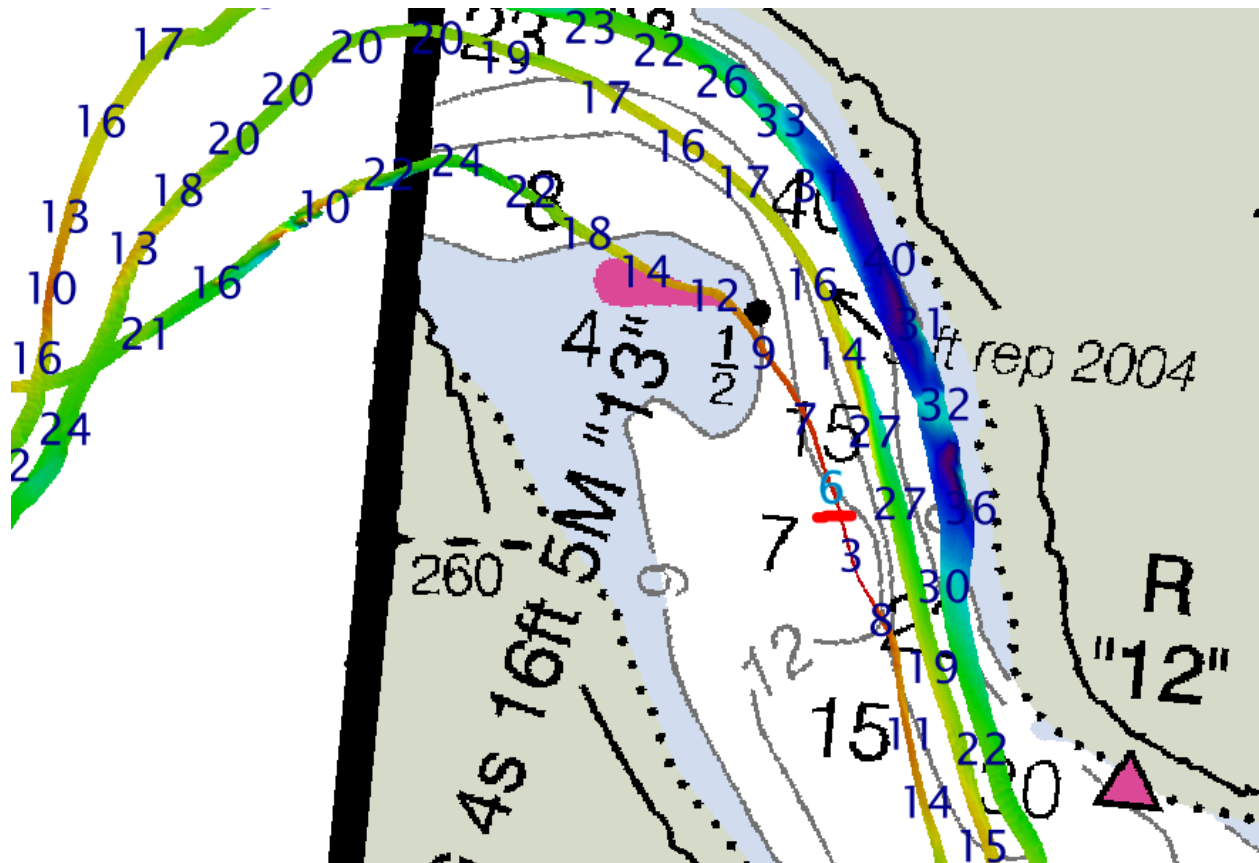


Figure 1.1.1

1.2) 0_ 000000012 00001 / DTON_Sdgs.000**DANGER TO NAVIGATION****Survey Summary**

Survey Position: 30° 42' 49.4" N, 081° 32' 38.3" W
Least Depth: 1.10 m (= 3.60 ft = 0.599 fm = 0 fm 3.60 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
Dataset: DTON_Sdgs.000
FOID: 0_ 000000012 00001(FFFE0000000C0001/1)
Charts Affected: 11489_1, 11502_1, 11480_1, 11451_17, 11009_1, 411_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
DTON_Sdgs.000	0_ 000000012 00001	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

3ft (11489_1, 11502_1, 11451_17)

0 ½fm (11480_1, 11009_1, 411_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: QUASOU - 6:least depth known
 SORDAT - 20150512
 SORIND - US,US,graph,D00192
 TECSOU - 3:found by multi-beam

Feature Images

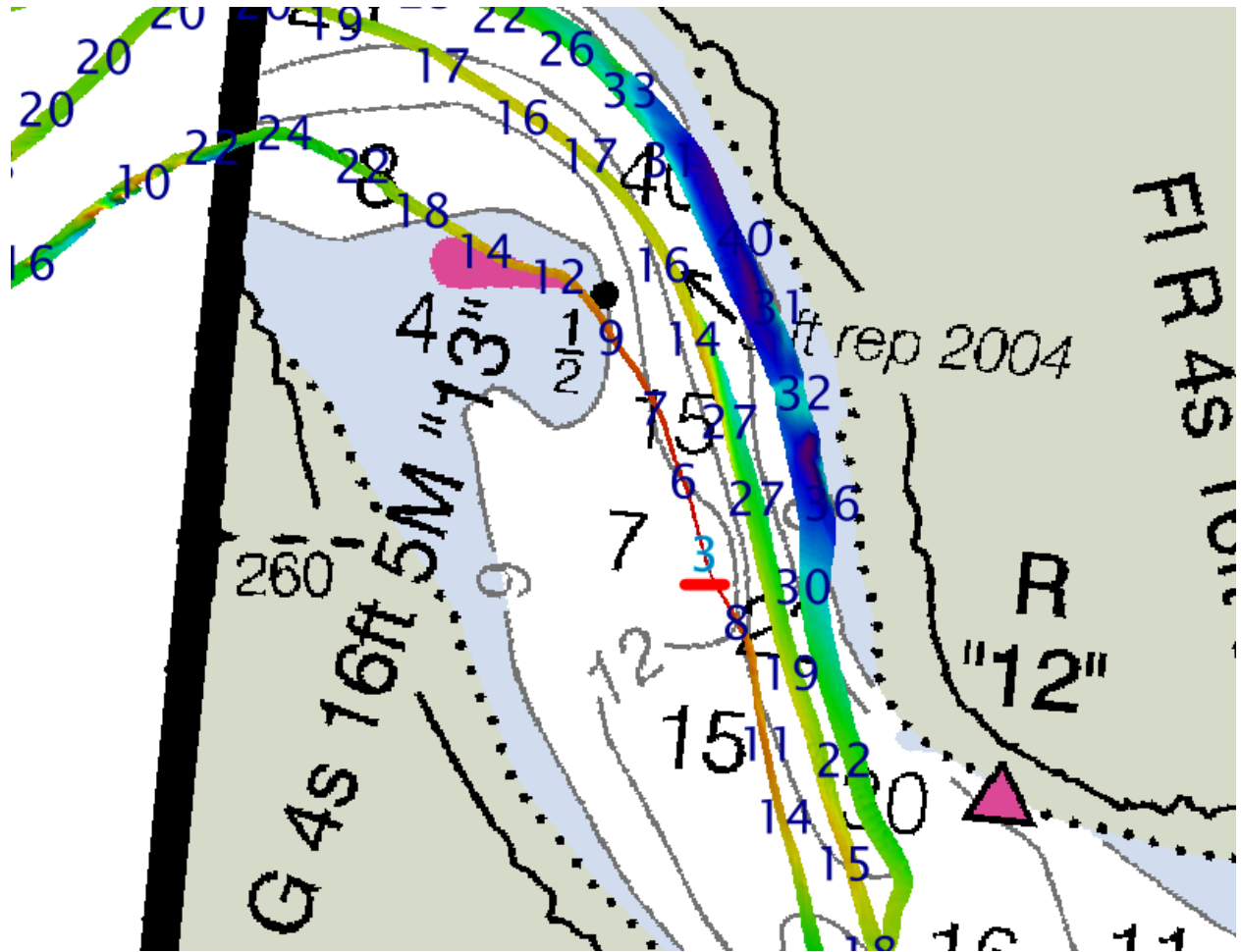


Figure 1.2.1

1.3) 0_ 000000005 00001 / DTON_Sdgs.000**DANGER TO NAVIGATION****Survey Summary**

Survey Position: 30° 43' 16.0" N, 081° 31' 15.0" W
Least Depth: 1.75 m (= 5.73 ft = 0.955 fm = 0 fm 5.73 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
Dataset: DTON_Sdgs.000
FOID: 0_ 000000005 00001(FFFE000000050001/1)
Charts Affected: 11503_1, 11489_1, 11502_1, 11480_1, 11451_17, 11009_1, 411_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
DTON_Sdgs.000	0_ 000000005 00001	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

5ft (11503_1, 11489_1, 11502_1, 11451_17)

1fm (11480_1, 11009_1, 411_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: QUASOU - 6:least depth known
 SORDAT - 20150512
 SORIND - US,US,graph,D00192
 TECSOU - 3:found by multi-beam

Feature Images

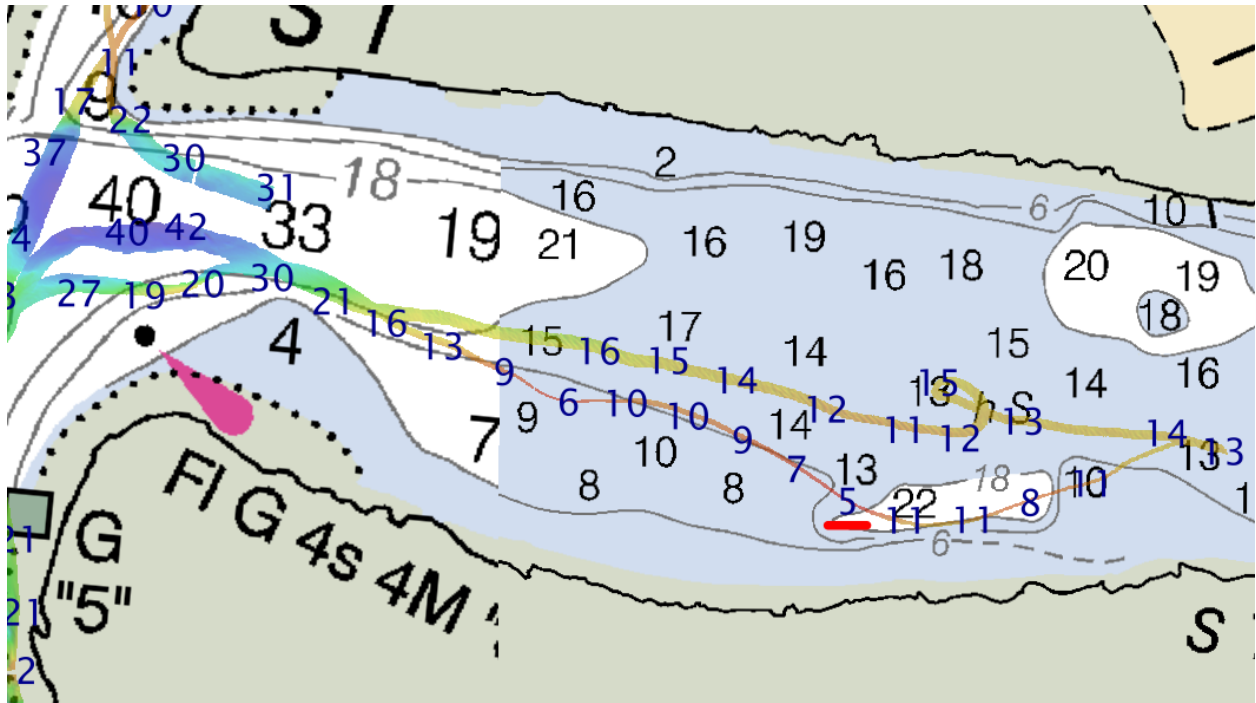


Figure 1.3.1

APPROVAL PAGE

D00192

Data did not meet current specifications as determined by the OCS survey acceptance review process. The survey is for reconnaissance purposes only and the data has a significant yaw artifact due to the transducer being incorrectly mounted. With the exception of 3 shoal soundings reported to MCD as dangers to navigation (DTONs), the survey will not be applied to NOAA charting products.

The following products will be sent to NGDC for archive:

- D00192_DR_Memo.pdf
- Processed survey data and records
- D00192_GeoImage.pdf

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

Approved: _____

Grant Froelich

Hydrographic Team Lead, 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: _____

Peter Holmberg

Acting Chief, Pacific Hydrographic Branch