

D00219

NOAA Form 76-35A

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

DESCRIPTIVE REPORT

Type of Survey: Investigation

Registry Number: D00219

LOCALITY

State: Georgia

General Locality: Brunswick

Sub-locality: St. Simon's Sound

2016

CHIEF OF PARTY
James L. Kirkpatrick

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

D00219

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: **Brunswick**

Sub-Locality: **St. Simon's Sound**

Scale: **1: 10,000**

Date of Survey: **11/14/2016**

Instructions Dated: **10/07/2016**

Project Number: **S-G943-NRT2-16**

Field Unit: **Navigation Response Team 2**

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

Soundings by: **Reson T-20P Multibeam Sonar**

Imagery by: **Edgetech 4125 Sidescan Sonar**

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 assist the USCG in locating the sunken fishing vessel Predator. 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/>.



DESCRIPTIVE REPORT MEMO

December 06, 2016

MEMORANDUM FOR: Pacific Hydrographic Branch
FROM: James L. Kirkpatrick
Acting Team Lead, Navigation Response Team 2
SUBJECT: Submission of Suvey D00219

KIRKPATRICK.JAMES.L
EROY.IV.1400487398

Digitally signed by
KIRKPATRICK.JAMES.LEROY.IV.1400487398
DN: c=US, o=U.S. Government, ou=DoD,
ou=PKI, ou=OTHER,
cn=KIRKPATRICK.JAMES.LEROY.IV.1400487398
Date: 2017.03.20 14:22:27 -04'00'

USCG requested a survey to ascertain the position, orientation and least depth of the sunken fishing vessel Predator in the St. Simon's Sound near Brunswick, GA.

Screen grabs of the Multibeam data in subset editor, SSS imagery and a chart overview with the wrecks location were provided to Navigation Manager Kyle Ward. Mr. Ward then shared the findings with his contact at the USCG. A copy of this email string is provided in the Public relations and constituents folder.

Soundings were reduced to Mean Lower Low Water (MLLW) using observed tides from Fort Pulaski (8670870) and tide zones provided by CO-OPS from a 2014 survey of this area (G343NRT22014CORP.zdf).

All survey systems and methods utilized during this survey were as described in S-G939-NRT2-16_DAPR.

Danger to Navigation Reports are attached to this memo.

NRT2 successfully located the sunken fishing vessel with SSS and proceeded to multibeam the immediate area to find a least depth. NRT2 was able to determine a least depth of 0.4 meters (1.3 feet) at position 31-07-34.41N// 081-25-15.88W. The vessel appears to be lying on its port side with the bow pointing in an approximate SE orientation, stern slightly higher than the bow. The least depth appears to be on some type of rigging or fishing gear protruding from the midship area. Certainly a dangerous obstruction to navigation given the fact that we witnessed many transiting pleasure craft very close to the area.

This survey does meet charting specifications and is adequate to supersede prior data. This survey meets charting specifications and should be used to chart the dangerous wreck.

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

Metadata for Survey D00219	
Project	S-G943-NRT2-16
Survey	D00219



State	Georgia
Locality	Brunswick, GA
Sub Locality	St. Simon's Sound
Scale of Survey	1:10000
Sonars Used	Reson T-20P Multibeam Echosounder Edgetech 4125 Side Scan Sonar
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	Discrete Zoning
Projection	UTM Zone 17N
Field Unit	Navigation Response Team 2
Survey Dates	11/14/2016
Chief of Party	James L. Kirkpatrick
Submission Date	12/06/2016

D00219 Danger to Navigation Report

Registry Number: D00219
State: Georgia
Locality: Brunswick
Sub-locality: St. Simons Sound
Project Number: S-G943-NRT2-2016
Survey Date: 11/14/2016

Uncharted dangerous wreck located at 31-07-34.41N by 081-25-15.88W with a least depth of 0.4 meters. The vessel appears to be lying on its port side with the bow pointing in an approximate SE orientation with the stern slightly higher than the bow. The least depth appears to be on some type of rigging or fishing gear protruding from the midship area. Certainly a dangerous obstruction to navigation given the fact that we witnessed many transiting pleasure craft very close to the area.

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11506	43rd	02/01/2007	1:40,000 (11506_1)	[L]NTM: ?
11489	38th	01/01/2009	1:40,000 (11489_1)	[L]NTM: ?
11502	31st	01/01/2007	1:80,000 (11502_1)	[L]NTM: ?
11480	40th	03/01/2007	1:449,659 (11480_1)	[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	Wreck	0.40 m	31° 07' 34.4" N	081° 25' 15.9" W	---

1 - Dangers To Navigation

1.1) US 0000000002 00001 / D00219_FFF.000**DANGER TO NAVIGATION****Survey Summary**

Survey Position: 31° 07' 34.4" N, 081° 25' 15.9" W
Least Depth: 0.40 m (= 1.31 ft = 0.219 fm = 0 fm 1.31 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2016-319.00:00:00.000 (11/14/2016)
Dataset: D00219_FFF.000
FOID: US 0000000002 00001(0226000000020001)
Charts Affected: 11489_1, 11506_1, 11502_1, 11480_1, 11009_1, 411_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
D00219_FFF.000	US 0000000002 00001	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Arithmetically-Rounded Depth (Unit-wise Affected Charts):

1ft (11489_1, 11506_1, 11502_1)

0 ¼fm (11480_1, 11009_1, 411_1)

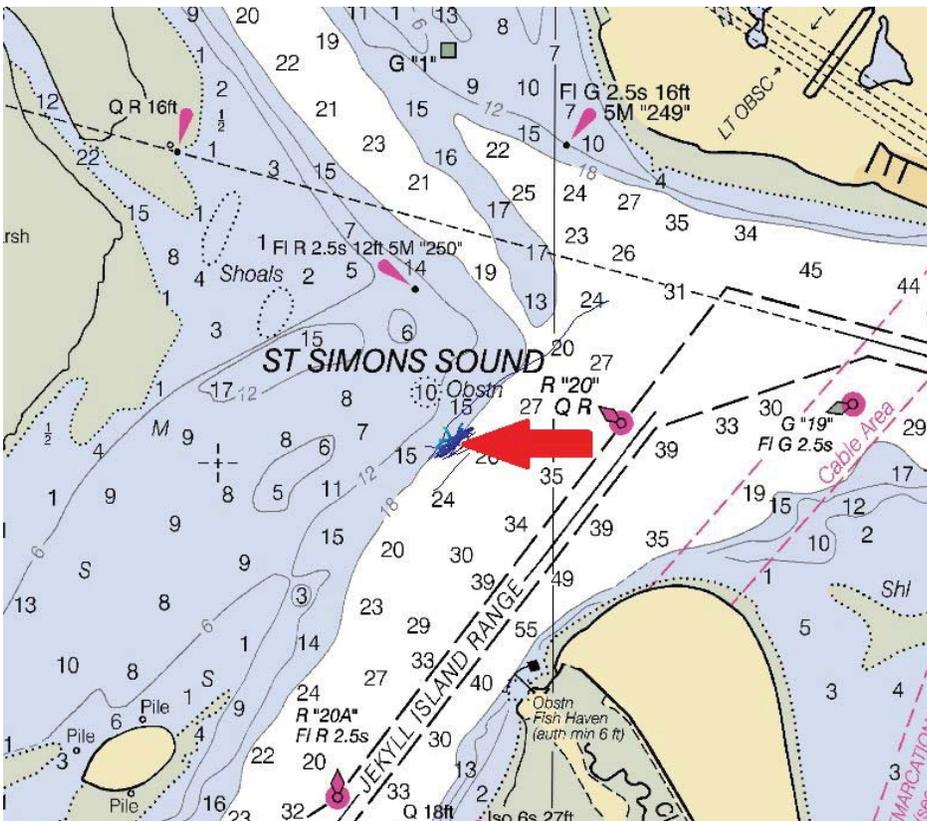
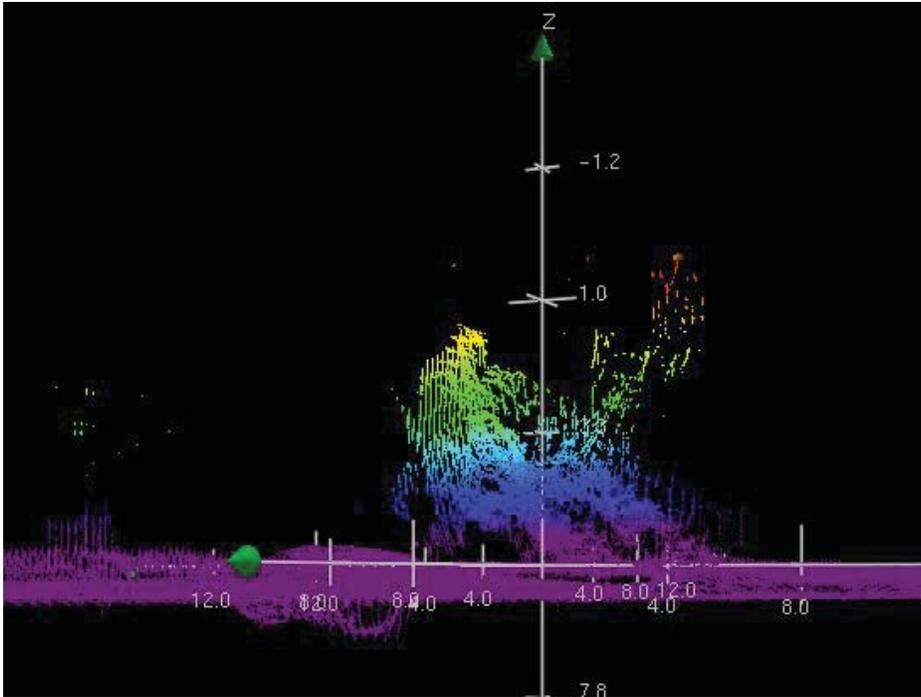
S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 2:dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 QUASOU - 6:least depth known
 SORDAT - 20161114
 SORIND - US,US,graph,D00219

TECSOU - 3:found by multi-beam

VALSOU - 0.400 m

WATLEV - 3:always under water/submerged



APPROVAL PAGE

D00219

Data did not meet current specifications as determined by the OCS survey acceptance review process for standard chart updates. The survey did not meet specifications because the extents of coverage were concisely on the single ship wreck. The ship wreck has been reported to MCD via a DTON, no other data from the survey is appropriate for application to NOAA charting products.

The following products will be sent to NGDC for archive:

- D00219_DR_Memo.pdf
- Processed survey data and records
- D00219_GeoImage.pdf

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

Approved: _____

Grant Froelich

Hydrographic Team Leader, 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: _____

CDR Benjamin Evans, NOAA

Chief, Pacific Hydrographic Branch