

D00255

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

DESCRIPTIVE REPORT

Type of Survey: Natural Disaster Response

Registry Number: D00255

LOCALITY

State(s): North Carolina

General Locality: Wilmington, NC

Sub-locality: Cape Fear River

2018

CHIEF OF PARTY
James L. Kirkpatrick

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

D00255

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): **North Carolina**

General Locality: **Wilmington, NC**

Sub-Locality: **Cape Fear River**

Scale: **10000**

Dates of Survey: **09/17/2018 to 09/20/2018**

Instructions Dated: **N/A**

Project Number: **S-G941-NRT2-18**

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

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

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

Imagery by: **Kongsberg Maritime EM 2040C (MBES Backscatter)
 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 18N, 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 19, 2019

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: James Kirkpatrick
Team Lead, Navigation Response Team 2

SUBJECT: Submission of Survey D00255

The purpose of this survey is to respond to a USCG request for hydrographic survey to reopen the channels in Cape Fear River, due to the effects of Hurricane Florence. The survey limits and methods (i.e., sensors used) will be determined by the Team Lead in consult with the NRB Chief and NOAA Navigation Manager. Data will be collected in the most efficient manner to provide USCG information that is critical to make real-time decisions on channel and/or port closures and openings. The field unit should submit a DR Memo in lieu of an XML Descriptive Report.

Preliminary sounding plots or other products may be assigned by the Navigation Manager to assist USCG with determination of operating status for the port. Data will be sent PHB and NCEI for archival. A DR Memo will be used to document the survey. Powerpoint slides were created nightly for each significant contact found and distributed to the regional navigation manager, project manager, operations manager, USCG and ACOE.

Soundings were reduced to Mean Lower Low Water (MLLW) using ERS tides. A VDatum separation model version 3.6.1 was supplied by the project manager based on Geoid of 2012 ,area NCcoast11 and NCinner11 version 8301. A separation uncertainty of 9.8 cm was applied to the Total Vertical Uncertainty. The survey area near the Masonboro Inlet was assigned after the separation model had been delivered so this area was reduced to MLLW using TCARI.

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

6 DTONs were submitted for survey D00255. All were submitted promptly to Nautical Data Branch for dissemination. Several contacts were discovered during the response and were submitted as a powerpoint slideshow to the USCG and ACOE. The DTON report emails and the contact powerpoint slides are included in the Appendix of this Memo. DTON submitted at 33.936839N, 77.979020W, near R22, was removed by ACOE and is recommended to be removed from chart. DTON submitted at 33.930632N, 77.987793W was removed by ACOE, found to be 2 large rocks. Recommend remove obstruction from chart.

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

During this Hurricane Florence response survey 6 DTONs were submitted and numerous contacts were investigated. Coordinated efforts between NRT2, Navigation Manager, ACOE and USCG made this response effort an overwhelming success with critical supplies being delivered by ship to the city of Wilmington before the roads were passable by truck. All correspondence and products submitted are included in the appendices of this report.

This survey does meet charting specifications and is adequate to supersede prior data. Data is not intended to update the charts but is sufficient if needed.

Metadata for Survey D00255	
Project	S-G941-NRT2-18
Survey	D00255
State	North Carolina
Locality	Wilmington, NC
Sub-Locality	Cape Fear River
Scale of Survey	1:10000
Sonars Used	EdgeTech 4125 (SSS) Kongsberg Maritime EM 2040C (MBES)
Horizontal Datum	North American Datum 1983
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	VDatum
Projection	UTM 18N
Field Unit	Navigation Response Team 2
Survey Dates	09/17/2018 - 09/20/2018
Chief of Party	James L. Kirkpatrick
Submission Date	03/19/2019

KIRKPATRICK.J Digitally signed by
KIRKPATRICK.JAMES.L
AMES.LEROY.I EROY.IV.1400487398
V.1400487398 Date: 2019.03.19
12:30:09 -04'00'



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

Florence - D5 Wilmington ICC Update

12 messages

Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov>

Mon, Sep 17, 2018 at 12:31 PM

To: james.m.crocker@noaa.gov, co.moc.atlantic@noaa.gov, co.ferdinand.hassler@noaa.gov, Corey Allen <corey.allen@noaa.gov>, dylan.kosten@noaa.gov, james.kirkpatrick@noaa.gov, Rachel Medley <Rachel.Medley@noaa.gov>, ops.ferdinand.hassler@noaa.gov

All,

I have successfully made it to the Goldsboro ICC.

Update:

The CG has a combined 16 vessels in Que for Wilmington and Morehead. The COTP goal is to open the ports tomorrow, or ASAP.

The CG is currently working to complete their assessment of ATONs

Port facilities will be open are ready to receive vessels in Wilmington tomorrow. There is a potential for a request to assist in opening ferry routes.

I am looking for the field units to feed me as many graphics of coverage and photos of field work as possible.

Sent from my iPad

OPS.Ferdinand Hassler - NOAA Service Account <ops.ferdinand.hassler@noaa.gov>

Mon, Sep 17, 2018 at 12:33 PM

To: Ryan Wartick <ryan.wartick@noaa.gov>

Cc: james.m.crocker@noaa.gov, "CO.MOC Atlantic - NOAA Service Account" <co.moc.atlantic@noaa.gov>, CO HASSLER <co.ferdinand.hassler@noaa.gov>, Corey Allen <corey.allen@noaa.gov>, dylan.kosten@noaa.gov, james.kirkpatrick@noaa.gov, Rachel Medley - NOAA Federal <Rachel.Medley@noaa.gov>

LCDR Wartick,

I will submit a GeoPDF of the coverage we acquired this morning by tonight. I will forward it directly to you to distribute.

LT John Kidd

Field Operations Officer, NOAA Ship FERDINAND R. HASSLER

*ship's cell: 603-812-8748 * VOIP: 541-867-8935 * iridium: 808-851-3826*

Physical Address (UPS/FedEx):

UNH Judd Gregg Marine Research Complex

29 Wentworth Rd

New Castle, NH 03854

Mailing Address: PO Box 638, New Castle, NH 03854

[Quoted text hidden]

Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov>

Mon, Sep 17, 2018 at 12:39 PM

To: "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>

Cc: james.m.crocker@noaa.gov, "CO.MOC Atlantic - NOAA Service Account" <co.moc.atlantic@noaa.gov>, CO HASSLER <co.ferdinand.hassler@noaa.gov>, Corey Allen <corey.allen@noaa.gov>, dylan.kosten@noaa.gov, james.kirkpatrick@noaa.gov, Rachel Medley - NOAA Federal <Rachel.Medley@noaa.gov>

LT Kidd,

OK great. When you send the GeoPDF or any images can you please include scale, showing depths ranges for color.

Also a sounding plot will be necessary. I know the images you already sent me is preliminary, could you include a scale bar on anything you currently have. Also that image showing the entire data set, could you put a chart behind that.

I am currently working on my iPad, but should be able to get my laptop fired up soon and hopefully create some of my own graphics.

Sent from my iPad

[Quoted text hidden]

Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov>

Tue, Sep 18, 2018 at 11:53 AM

To: James Crocker <james.m.crocker@noaa.gov>, "CO.MOC Atlantic - NOAA Service Account" <co.moc.atlantic@noaa.gov>, "CO.Ferdinand Hassler" <co.ferdinand.hassler@noaa.gov>, Corey Allen <corey.allen@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Rachel Medley <Rachel.Medley@noaa.gov>, "OPS.Ferdinand Hassler" <ops.ferdinand.hassler@noaa.gov>, Michael Davidson <michael.davidson@noaa.gov>, "Frank.csulak" <frank.csulak@noaa.gov>

All,

Quick update from the D5 call.

The ports of Wilmington and Morehead are still closed in port condition Zulu
There were a couple bridge openings today: Cape Fear Memorial bridge and Surfcity Bridge
There are currently 21 vessels in que: 1 critical with a 25ft draft
There is a request to survey two more USCG stations to allow vessels back-into port:
-Oak Island CG Station
-Wrightsville beach CG station

V/R

Ryan Wartick LCDR/NOAA
Navigation Services Division
Mid-Atlantic Navigation Manager
(757) 364-7458 (office)
(571) 305-0995 (work cell)
(757) 268-8164 (cell)

<http://www.nauticalcharts.noaa.gov/>

[Quoted text hidden]

OPS.Ferdinand Hassler - NOAA Service Account <ops.ferdinand.hassler@noaa.gov>

Tue, Sep 18, 2018 at 12:42 PM

To: Ryan Wartick <ryan.wartick@noaa.gov>

Cc: James Crocker - NOAA Federal <james.m.crocker@noaa.gov>, "CO.MOC Atlantic - NOAA Service Account" <co.moc.atlantic@noaa.gov>, CO HASSLER <co.ferdinand.hassler@noaa.gov>, Corey Allen <corey.allen@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>, Rachel Medley - NOAA Federal <Rachel.Medley@noaa.gov>, Michael Davidson <michael.davidson@noaa.gov>, frank.csulak@noaa.gov

LCDR Wartick,

I assume Dylan can get Oak Island CG Station. It was a bit dicey getting in and out of there on the ship. (Line just finished processing, coming your way very soon)

We are headed toward Wrightsville Beach CG station now, ETA is 2000 tonight so we will most likely hold station and deploy the launch tomorrow.

LT John Kidd

Field Operations Officer, NOAA Ship FERDINAND R. HASSLER

*ship's cell: 603-812-8748 * VOIP: 541-867-8935 * iridium: 808-851-3826*

Physical Address (UPS/FedEx):

UNH Judd Gregg Marine Research Complex

29 Wentworth Rd

[New Castle, NH 03854](#)

Mailing Address: PO Box 638, New Castle, NH 03854

[Quoted text hidden]

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>

Tue, Sep 18, 2018 at 1:13 PM

To: Ryan Wartick <ryan.wartick@noaa.gov>

Cc: James M Crocker <james.m.crocker@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Rachel Medley <Rachel.Medley@noaa.gov>, Corey Allen <Corey.Allen@noaa.gov>, CO HASSLER <co.ferdinand.hassler@noaa.gov>, "OPS.Ferdinand.Hassler" <OPS.Ferdinand.Hassler@noaa.gov>, Chief NRB OCS <chief.nrb.ocs@noaa.gov>

Ryan,

From our phone call, it sounds like there is not an urgent timeline for Oak Island and Wrightsville Beach stations and no priority of one over the other - Wednesday or Thursday should be fine with USCG. Understand that the bridge to Wrightsville Beach is now open? Please find out the requested survey area for Wrightsville (just alongside, or do they need out through the jetties as well)? Graphic will be helpful. Sounds like Hassler will be able to get Wrightsville. My guess is that NRT2 may have some developments to do in the Cape Fear River on Wednesday and may be able to get Oak Island then as well. If Hassler doesn't get Wrightsville Beach on Wednesday morning, NRT2 could potentially do it late Wednesday afternoon, but more likely Thursday. NRT2 is going to need some down time after yesterday and today though. It may be good to let USCG hear this from time to time during conversations.

We can discuss further during the 3:30 call as necessary.

Thanks,

Mike

[Quoted text hidden]

--

Michael C. Davidson

Operations Manager

NOAA Office of Coast Survey

Navigation Response Branch

1315 East West Hwy, SSMC3, Sta 6216 ***new station number***

Silver Spring, MD 20910

240-533-0058 office ***new office number***

757-771-5305 work cell

michael.davidson@noaa.gov

Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov>

Tue, Sep 18, 2018 at 1:24 PM

To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>

Cc: James M Crocker <james.m.crocker@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Rachel Medley <Rachel.Medley@noaa.gov>, Corey Allen <Corey.Allen@noaa.gov>, CO HASSLER <co.ferdinand.hassler@noaa.gov>, "OPS.Ferdinand.Hassler" <OPS.Ferdinand.Hassler@noaa.gov>, Chief NRB OCS <chief.nrb.ocs@noaa.gov>

I will work on a graphic for both ports. You are correct there is no priority for one over the other.

[Quoted text hidden]

Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov>

Tue, Sep 18, 2018 at 1:26 PM

To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>

Cc: James M Crocker <james.m.crocker@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Rachel Medley <Rachel.Medley@noaa.gov>, Corey Allen <Corey.Allen@noaa.gov>, CO HASSLER <co.ferdinand.hassler@noaa.gov>, "OPS.Ferdinand.Hassler" <OPS.Ferdinand.Hassler@noaa.gov>, Chief NRB OCS <chief.nrb.ocs@noaa.gov>

For reference, here is a quick USACE survey of oak island, Pre-storm

V/R

Ryan Wartick LCDR/NOAA
Navigation Services Division

Mid-Atlantic Navigation Manager
(757) 364-7458 (office)
(571) 305-0995 (work cell)
(757) 268-8164 (cell)


<http://www.nauticalcharts.noaa.gov/>

On Tue, Sep 18, 2018 at 1:13 PM, Michael Davidson - NOAA Federal <michael.davidson@noaa.gov> wrote:
[Quoted text hidden]

 **USCG_Oak_Island_20170502.pdf**
1877K

Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov> Tue, Sep 18, 2018 at 1:45 PM
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
Cc: James M Crocker <james.m.crocker@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Rachel Medley <Rachel.Medley@noaa.gov>, Corey Allen <Corey.Allen@noaa.gov>, CO HASSLER <co.ferdinand.hassler@noaa.gov>, "OPS.Ferdinand.Hassler" <OPS.Ferdinand.Hassler@noaa.gov>, Chief NRB OCS <chief.nrb.ocs@noaa.gov>

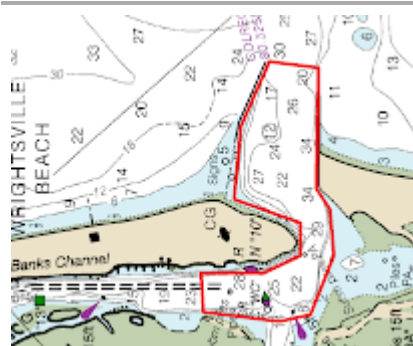
Here's Writesville beach Station
[Quoted text hidden]

 **CG_04_SWB_20180605_CS_SCALE_300.pdf**
787K

Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov> Tue, Sep 18, 2018 at 1:55 PM
To: "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>
Cc: James Crocker - NOAA Federal <james.m.crocker@noaa.gov>, "CO.MOC Atlantic - NOAA Service Account" <co.moc.atlantic@noaa.gov>, CO HASSLER <co.ferdinand.hassler@noaa.gov>, Corey Allen <corey.allen@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>, Rachel Medley - NOAA Federal <Rachel.Medley@noaa.gov>, Michael Davidson <michael.davidson@noaa.gov>, "Frank.csulak" <frank.csulak@noaa.gov>, Chief NRB OCS - NOAA Service Account <Chief.NRB.OCS@noaa.gov>

Here is the survey request for Oak Island CG station. It was a bit hard to see CG pier on the chart, but just upto the pier face.

[Quoted text hidden]



Oak_Island_CG.png
126K

Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov> Tue, Sep 18, 2018 at 2:03 PM
To: James Crocker - NOAA Federal <james.m.crocker@noaa.gov>, "CO.MOC Atlantic - NOAA Service Account" <co.moc.atlantic@noaa.gov>
Cc: CO HASSLER <co.ferdinand.hassler@noaa.gov>, Corey Allen <corey.allen@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>, Rachel Medley - NOAA Federal <Rachel.Medley@noaa.gov>, Michael Davidson <michael.davidson@noaa.gov>, "Frank.csulak" <frank.csulak@noaa.gov>, Chief NRB OCS - NOAA Service Account <Chief.NRB.OCS@noaa.gov>, "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>

Update:

The CG is drafting an MSIB to open the port of Wilmington with restrictions sometime today. They intend to restrict the draft to 30ft up to the Cape Fear Memorial Bridge (from 42ft) during daylight hours. The restriction is intended to take into account the obstructions that have been found so far and the uncertainty of the areas that do not have object detection MB so far. They intend to release the restrictions once NOAA NRT 2 surveys are complete and analyzed up to the Cape Fear Memorial Bridge, and the center-line DTON is salvaged.

For Morehead, the CG is satisfied with the condition of the channels and will open the port once a couple ATON discrepancies are resolved.

[Quoted text hidden]

Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov>

Tue, Sep 18, 2018 at 2:36 PM

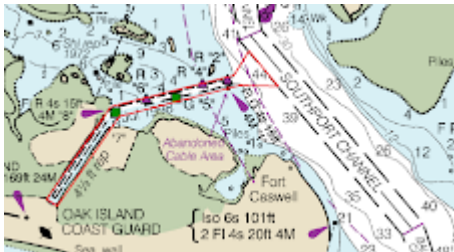
To: James Crocker - NOAA Federal <james.m.crocker@noaa.gov>, "CO.MOC Atlantic - NOAA Service Account" <co.moc.atlantic@noaa.gov>

Cc: CO HASSLER <co.ferdinand.hassler@noaa.gov>, Corey Allen <corey.allen@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>, Rachel Medley - NOAA Federal <Rachel.Medley@noaa.gov>, Michael Davidson <michael.davidson@noaa.gov>, "Frank.csulak" <frank.csulak@noaa.gov>, Chief NRB OCS - NOAA Service Account <Chief.NRB.OCS@noaa.gov>, "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>, ChiefOps MOA <chiefops.moa@noaa.gov>

Sorry, miss-labeled the last graphic. Here are the two survey requests for oak island and wrightsville beach.

[Quoted text hidden]

2 attachments



Oak_Island_CG_.png
220K



Wrightsville_CG.png
126K



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

D00255 DTON Submission

5 messages

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

Thu, Sep 20, 2018 at 4:25 AM

To: OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov>

NDB,

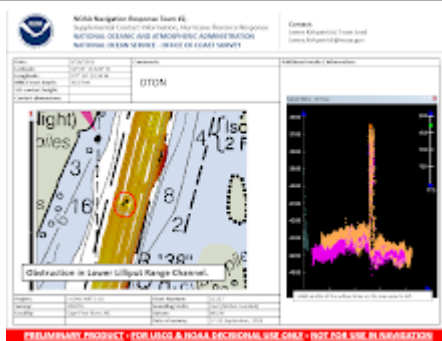
Please find attached a DTON submission for an obstruction found during Hurricane Florence response. This dangerous obstruction should be charted as soon as possible. Please contact me with any questions.

Best,

James

--

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



D00255_DTON Submission.PNG
348K

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

Thu, Sep 20, 2018 at 5:31 AM

To: OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>

NDB,

Attached is a DTON submission for an obstruction found during Florence post storm survey. Please contact me with any questions.

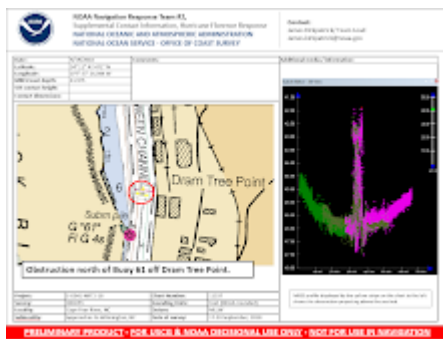
Best,

James

--

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

D00255_DTON3.PNG
318K



OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>
 To: James Kirkpatrick - NOAA Affiliate <james.kirkpatrick@noaa.gov>

Thu, Sep 20, 2018 at 8:31 AM

Thanks James,

These submissions have been registered in NDB as DD29896 and will be available for the production teams shortly (within a few minutes). I let PBE know to be expecting this momentarily.

Thanks,
 JW

Nautical Data Branch/[Marine Chart Division](#)/
 Office of Coast Survey/[National Ocean Service](#)/
 Contact: ocs.ndb@noaa.gov



[Quoted text hidden]

James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>
 To: OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>

Thu, Sep 20, 2018 at 9:06 AM

Thank you!

[Quoted text hidden]

OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>
 To: James Kirkpatrick - NOAA Affiliate <james.kirkpatrick@noaa.gov>

Thu, Sep 20, 2018 at 9:12 AM

Cc: nsd.response@noaa.gov, _NOS OCS PBA Branch <ocs.pba@noaa.gov>, _NOS OCS PBB Branch <ocs.pbb@noaa.gov>, _NOS OCS PBC Branch <ocs.pbc@noaa.gov>, _NOS OCS PBD Branch <ocs.pbd@noaa.gov>, _NOS OCS PBE Branch <ocs.pbe@noaa.gov>, _NOS OCS PBG Branch <ocs.pbg@noaa.gov>, Castle E Parker <Castle.E.Parker@noaa.gov>, Charles Porter - NOAA Federal <charles.porter@noaa.gov>, Chris Libeau <Chris.Libeau@noaa.gov>, James M Crocker <James.M.Crocker@noaa.gov>, Ken Forster <Ken.Forster@noaa.gov>, Kevin Jett - NOAA Federal <kevin.jett@noaa.gov>, Matt Kroll <Matt.Kroll@noaa.gov>, Michael Gaeta <Michael.Gaeta@noaa.gov>, Nautical Data Branch <OCS.NDB@noaa.gov>, NSD Coast Pilot <coast.pilot@noaa.gov>, PHB Chief <PHB.Chief@noaa.gov>, Tara Wallace <Tara.Wallace@noaa.gov>, Daniel Morrow <Daniel.Morrow@noaa.gov>, Brian Martinez <Brian.Martinez@noaa.gov>

DD-29896 has been registered by the Nautical Data Branch and directed to Products Branch E for processing.

The DTONs reported are two submerged obstructions located in Lower Lilliput Channel and Fourth East Jetty Channel of Wilmington Harbor, NC.

The following charts are affected:

11534 kapp 202
11537 kapp 201

The following ENC is affected:
US5NC12M

References:
D00255
S-G941-NRT2-18

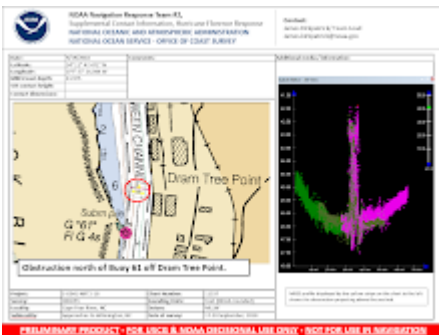
This information was discovered and submitted by NRT2.

Nautical Data Branch/[Marine Chart Division](#)/
Office of Coast Survey/[National Ocean Service](#)/
Contact: ocs.ndb@noaa.gov

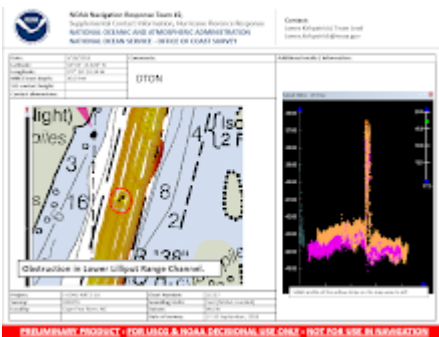


On Thu, Sep 20, 2018 at 5:31 AM James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov> wrote:
[Quoted text hidden]

2 attachments



D00255_DT0N3.PNG
318K



D00255_DT0N Submission.PNG
348K



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

Re: FW: NOAA Obstructions Information

3 messages

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

Fri, Sep 21, 2018 at 11:19 AM

To: Foss Matt SAC <Matthew.D.Foss@usace.army.mil>, "Glass, Scott A SAC" <Scott.A.Glass@usace.army.mil>, James Kirkpatrick <James.Kirkpatrick@noaa.gov>, "Michael.Davidson@noaa.gov" <Michael.Davidson@noaa.gov>, "ryan.wartick" <Ryan.Wartick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>

Matt,

I have not been able to get a hold of the Team today. I believe they are traveling. We will have them send SSS images and 3D MB images soon. I was told they did get SSS over the contacts. Most of the obstructions are near 40' there is a 36.5' and 37'. Maybe the pilots will be able to work with this information if they are not bringing in vessels that would be impacted.

Ryan,

Matt works for the USACE down here in South Carolina. He is being asked to help Wilmington deal with the items NRT2 found. Are you working with the Wilmington USACE, USCG and Pilots to deal with these items? Don't want to duplicate effort.

Let me know what I can do to help.

K

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

On Fri, Sep 21, 2018 at 9:45 AM Foss, Matthew D CIV USARMY CESAC (US) <Matthew.D.Foss@usace.army.mil> wrote:

Kyle,

This is what Adam sent me and what they are trying to make decisions on. I think they are having a difficult time in prioritizing the contacts because the image only gives a least depth and not dimensions which could help in determining what the contact could be. SAW has asked us if we could develop these contacts so they could have a better understanding of what they are(not that we can be certain without a dive). From SAC's perspective NOAA has already multibeamed these areas, some with multiple passes and you mentioned that the NRT team was conducting side scan of the contacts. I am not sure what we can add by resurveying these areas without a detailed analysis of the data you have already collected. I know your NRT teams are super busy but if we could help by creating some products out of the data you have we may be able to help prioritize the contacts for SAW. I attached what we created for the contact we found in the EC last year after Irma which helped quell some of the anxiety that it caused.

Thanks,
Matthew Foss, C.H.
Chief of Survey
1050 Remount Rd Bldg 3555
North Charleston, SC 29406
matthew.d.foss@usace.army.mil
Work 843-329-8206
Cell 843-297-2681

-----Original Message-----

From: Faircloth, Adam G CIV USARMY CESAW (US)
Sent: Thursday, September 20, 2018 11:59 PM
To: Foss, Matthew D CIV USARMY CESAC (US) <Matthew.D.Foss@usace.army.mil>
Subject: Fwd: NOAA Obstructions Information

Matt,

I just remembered I never sent this to you earlier today. I apologize for the delay.

Adam Faircloth
910-520-4109 Mobile
adam.g.faircloth@usace.army.mil
US Army Corps of Engineers
Wilmington District

Included are the ppt converted to a PDF for easy viewing on a Phone. a KMZ with the points, our channel information, and our survey information in it, and lastly a shapefile for use in the office for putting the locations on the map. there is also a layer file for the office to help with labeling and presentation of the points. thanks.

----- Forwarded message -----

From: "Kist, Jennifer K CIV USARMY CESAC (US)" <Jennifer.K.Kist@usace.army.mil>
To: "Foss, Matthew D CIV USARMY CESAC (US)" <Matthew.D.Foss@usace.army.mil>, "Millbrook, Kenneth CIV USARMY CESAC (US)" <Kenneth.Millbrook@usace.army.mil>, "Wright, Christopher Charles (Chris) CIV USARMY CESAC (US)" <Chris.C.Wright@usace.army.mil>, "Boles, Matthew Z CIV USARMY CESAC (US)" <Matthew.Z.Boles@usace.army.mil>, "Johnson, Jeremy R CIV USARMY CESAC (US)" <Jeremy.R.Johnson@usace.army.mil>, "Collins, Mary J (Hanna) CIV USARMY CESAC (US)" <Mary.J.COLLINS@usace.army.mil>, "Kist, Jennifer K CIV USARMY CESAC (US)" <Jennifer.K.Kist@usace.army.mil>, "Tyson, Sonja L CIV USARMY CESAC (US)" <Sonja.L.Tyson@usace.army.mil>, "Glass, Scott A CIV USARMY CESAC (US)" <Scott.A.Glass@usace.army.mil>, "Kochis, John J Jr CIV USARMY CESAC (US)" <John.J.Kochis@usace.army.mil>, "Carpenter, Holly A CIV USARMY CESAC (US)" <Holly.A.Carpenter@usace.army.mil>, "Sarhan, Michael S CIV USARMY CESAC (US)" <Michael.S.Sarhan@usace.army.mil>
Cc:
Bcc:
Date: Tue, 19 Sep 2017 15:42:25 +0000
Subject: Form Returned: CCM_20170900_CHE_SB_CS_postirma.pdf (UNCLASSIFIED)
CLASSIFICATION: UNCLASSIFIED

All,

This submission contains all post Irma surveys done in the Entrance Channel including the investigation of the 43.8' sounding found near Green buoy #15.

Data is located in (survey_group):\Surveys\CharlestonEntrance\Condition\SB\20170900_CHE_SB_CS_postIrma.

Attached image "multispec.JPG" shows the area in the multispectral backscatter. As Matt said in an earlier there appear to be some complex interactions occurring on the seafloor after this storm event. The multispectral backscatter indicates two different types of material in this location (in attached image multispectral image- red versus blue coloration). Please see the attached image and the included survey reports for a more detailed explanation.

There does not appear any additional significant shoaling that would pose a danger to navigation in any of the single beam lines collected in the CHE after the initial survey on 20170914. Lines were collected on the toe and in the wings of the channel.

Please let me know if any additional information or clarification is needed.

Jennifer K. Kist
Survey Technician
USACE Charleston District
Charlesoton, SC 29406
Cell: 843-708-8398
Desk: 843-329-8202

CLASSIFICATION: UNCLASSIFIED

Cc: Matthew.D.Foss@usace.army.mil, Scott.A.Glass@usace.army.mil, James Kirkpatrick <James.Kirkpatrick@noaa.gov>, Michael Davidson <Michael.Davidson@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>

Kyle,

I have been working with the everyone here in Wilmington to survey the channel. NRT 2 completed their complete object detection SSS with Concurrent MB survey of the entire Cape Fear River from the Cape Fear Memorial Bridge to the sea buoy. We have two passes of MB on most of the contacts and SSS on all of them. I kinda feel like the USACE is wasting their time, but I guess they can do what they feel they need to do. I have not been asked to help in any way with this particular effort.

V/R

Ryan Wartick LCDR/NOAA
Navigation Services Division
Mid-Atlantic Navigation Manager
(757) 364-7458 (office)
(571) 305-0995 (work cell)
(757) 268-8164 (cell)

<http://www.nauticalcharts.noaa.gov/>

[Quoted text hidden]

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>

Fri, Sep 21, 2018 at 12:41 PM

To: Kyle Ward <kyle.ward@noaa.gov>

Cc: Matthew.D.Foss@usace.army.mil, Scott.A.Glass@usace.army.mil, James Kirkpatrick <James.Kirkpatrick@noaa.gov>, Ryan Wartick <Ryan.Wartick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>

Kyle,

Recapping our phone call here for the group. My understanding is the Wilmington USACE is trying to provide SSS imagery from several different angles in an effort to provide Navy Salvage team with more information about each contact. NOAA did not receive a request to support this particular aspect of the response. We can provide imagery from our SSS, but I believe that the intent is to get multiple looks from multiple perspectives on each item.

I hope this additional information is beneficial to the discussion.

Best regards,
Mike

On Fri, Sep 21, 2018 at 11:19 AM Kyle Ward - NOAA Federal <kyle.ward@noaa.gov> wrote:

[Quoted text hidden]

--

Michael C. Davidson

Operations Manager

NOAA Office of Coast Survey

Navigation Response Branch

1315 East West Hwy, SSMC3, Sta 6216 ***new station number***

Silver Spring, MD 20910

240-533-0058 office ***new office number***

757-771-5305 work cell

michael.davidson@noaa.gov



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

Florence SSS contact report

6 messages

James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>


Wed, Sep 26, 2018 at 11:05 AM

Attached. Let me know if you need anything else.

James

--

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

 **Hurricane_Florence_Contact_Report.pptx**
3225K

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>

Wed, Sep 26, 2018 at 12:01 PM

To: Soherr Steve <Steve.Soherr@noaa.gov>, Ryan Wartick <Ryan.Wartick@noaa.gov>, adam.g.faircloth@usace.army.mil, james.t.horton@usace.army.mil, brittany.s.akers@usace.army.mil
Cc: James Kirkpatrick <james.kirkpatrick@noaa.gov>, Rachel Medley <rachel.medley@noaa.gov>

All,
Attached is the updated contacts report from NOAA NRT2 response to Hurricane Florence in the Cape Fear River. The attached powerpoint is the same report submitted previously, with the imagery from sidescan added as requested. Please feel free to contact me with any questions.


I will be submitting additional XYZ files via the SAFE FTP site today as well.

Best Regards,
Mike

[Quoted text hidden]

--

Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey
Navigation Response Branch
1315 East West Hwy, SSMC3, Sta 6216 ***new station number***
Silver Spring, MD 20910
240-533-0058 office ***new office number***
757-771-5305 work cell
michael.davidson@noaa.gov

 **Hurricane_Florence_Contact_Report.pptx**
3225K

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
To: James Kirkpatrick <james.kirkpatrick@noaa.gov>

Wed, Sep 26, 2018 at 2:59 PM

James - FYI. Were there additional features that weren't included in the feature report that you sent this morning? See the email from LT Akers below.

Thanks,
Mike

----- Forwarded message -----

From: **Akers, Brittany S LT USCG (US)** <Brittany.S.Akers@usace.army.mil>
Date: Wed, Sep 26, 2018 at 2:44 PM
Subject: RE: Fwd: Florence SSS contact report
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
Cc: Ryan Wartick (ryan.wartick@noaa.gov) <ryan.wartick@noaa.gov>, Faircloth, Adam G CIV USARMY CESAW (US) <Adam.G.Faircloth@usace.army.mil>

Good afternoon Mike,

Thanks so much for getting that ppt over to us. I know you guys have been working diligently to process and send such a huge amount of data. There may be a slight disconnect because the 18 obstructions you sent data for did not 100% match up with the 19 obstructions that USACE and USCG are concerned about so I'm hoping you can fill in the blanks on the remaining targets. We are only concerned about targets that have a least depth of less than 42'. I attached a spreadsheet summary... the ones highlighted in red are ones we still need side scan images for.

Ryan, as far as charting- there are some notes on the far right of the spreadsheet that may be of interest to you. I'll try to keep you updated as things progress.

Thanks again for all the support.

v/r,

LT Brittany Akers
US Coast Guard Detailed to US Army Corps of Engineers
Wilmington District - Navigation Division
Ph: (910) 251-4003
Brittany.S.Akers@usace.army.mil
[Quoted text hidden]
michael.davidson@noaa.gov <mailto:michael.davidson@noaa.gov>

--
Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey
Navigation Response Branch
1315 East West Hwy, SSMC3, Sta 6216 ***new station number***
Silver Spring, MD 20910
240-533-0058 office ***new office number***
757-771-5305 work cell
michael.davidson@noaa.gov

 **Target List and Priorities with NOAA slide number.xlsx**
13K

James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>

Wed, Sep 26, 2018 at 3:14 PM

I believe those were covered in the previous report.

[Quoted text hidden]

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
To: James Kirkpatrick <james.kirkpatrick@noaa.gov>

Wed, Sep 26, 2018 at 3:42 PM

James,

Only the 4 contacts from day 1 had sss images. None of the others did. Perhaps there is another set of contacts that didn't get added in? I am trying to sort through the list and see if I can find the ones she highlighted in red. She is right, they aren't in the report that I forwarded today. I'm looking through the stuff that Wartick pieced together to see if I can find them. This was the first time I have see the spreadsheet that I just forwarded to you (received from LT Akers). I think that spreadsheet is something they were using internally. At least we have it now and can use it to track down the other items they are looking for.

R,
Mike

[Quoted text hidden]

James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>

Wed, Sep 26, 2018 at 3:46 PM

Ok, I'll put together a few more slides for them.

[Quoted text hidden]



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

Fwd: Port of Wilmington Salvage Ops- final report

2 messages

Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>

Mon, Oct 1, 2018 at 9:56 AM

To: Michael Davidson <Michael.Davidson@noaa.gov>, James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>, John Lomnicky <John.Lomnicky@noaa.gov>, Tara Wallace <Tara.Wallace@noaa.gov>

Cc: Ryan Wartick <ryan.wartick@noaa.gov>, Rachel Medley - NOAA Federal <rachel.medley@noaa.gov>

Received this from LT Akers this morning. She is USCG embedded with USACE Wilmington. Is this enough documentation for us to forgoe charting objects that were initially identified in the channel with clearances less than project depth 42')? I assume so, but want to check with your understanding. I've included Tara Wallace of NDB to get her take on it). I will verify that the items highlighted in green were removed (which is what the spreadsheet appears to indicate).

Thanks,
Steve

----- Forwarded message -----

From: **Akers, Brittany S LT USCG (US)** <Brittany.S.Akers@usace.army.mil>

Date: Mon, Oct 1, 2018 at 9:41 AM

Subject: Port of Wilmington Salvage Ops- final report

To: Ryan Wartick (ryan.wartick@noaa.gov) <ryan.wartick@noaa.gov>, Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>

Cc: Reed, Wayne E LCDR <Wayne.E.Reed@uscg.mil>, Chief O'rourke (Joshua.P.Orourke@uscg.mil) <Joshua.P.Orourke@uscg.mil>

Good morning LCDR Wartick/ Mr. Soherr,

Thank you again for NOAA's assistance in surveying NC after the storm. The salvage team completed ops yesterday and I wanted to pass along the final disposition of the targets identified in the Cape Fear River since I know you have chart updates pending. I think we also still owe you a memo for the sunken nav aid we moved near #22, so I'm following up on that today. Thank you again.

v/r,

LT Brittany Akers
US Coast Guard Detailed to US Army Corps of Engineers
Wilmington District - Navigation Division
Ph: (910) 251-4003
Brittany.S.Akers@usace.army.mil

--

Steve Soherr
Cartographic Advisor
Office of Coast Survey
240-533-0080
steve.soherr@noaa.gov
<https://nauticalcharts.noaa.gov>

 **Target List and Priorities.xlsx**
15K

Tara Wallace - NOAA Federal <tara.wallace@noaa.gov>

Mon, Oct 1, 2018 at 10:05 AM

To: Steve Soherr <steve.soherr@noaa.gov>

Cc: Michael Davidson - NOAA Federal <Michael.Davidson@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, John Lomnicky - NOAA Federal <John.Lomnicky@noaa.gov>, Ryan Wartick - NOAA Federal <ryan.wartick@noaa.gov>, Medley Rachel NSD <rachel.medley@noaa.gov>

Thanks Steve -

Yes, this is sufficient documentation not to send items through to chart, especially the DTON route. I assume there will be final surveys that will be posted.

Tara

[Quoted text hidden]

--

Tara Wallace, Branch Chief
Nautical Data Branch, Marine Chart Division
Office of Coast Survey, National Ocean Service
Telephone number: 240-847-8102





NOAA Navigation Response Team #2,
Supplemental Contact Information, Hurricane Florence Response
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE - OFFICE OF COAST SURVEY

Contact:
James Kirkpatrick/ Team Lead
James.kirkpatrick@noaa.gov



NOAA Navigation Response Team #2 Hydrographic Survey in response to Hurricane Florence

**Supplemental contact information
Acquired on 17 September, 2018**



NOAA Navigation Response Team #2,
 Supplemental Contact Information, Hurricane Florence Response
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE - OFFICE OF COAST SURVEY

Contact:
 James Kirkpatrick/ Team Lead
 James.kirkpatrick@noaa.gov

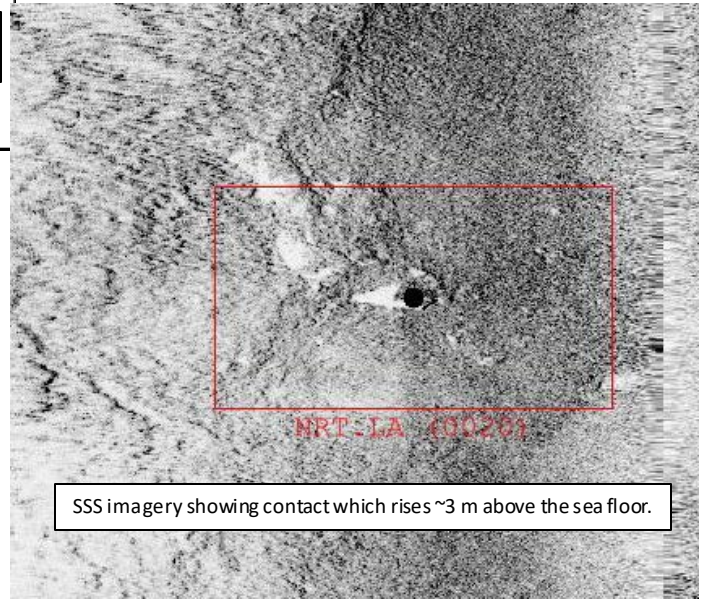
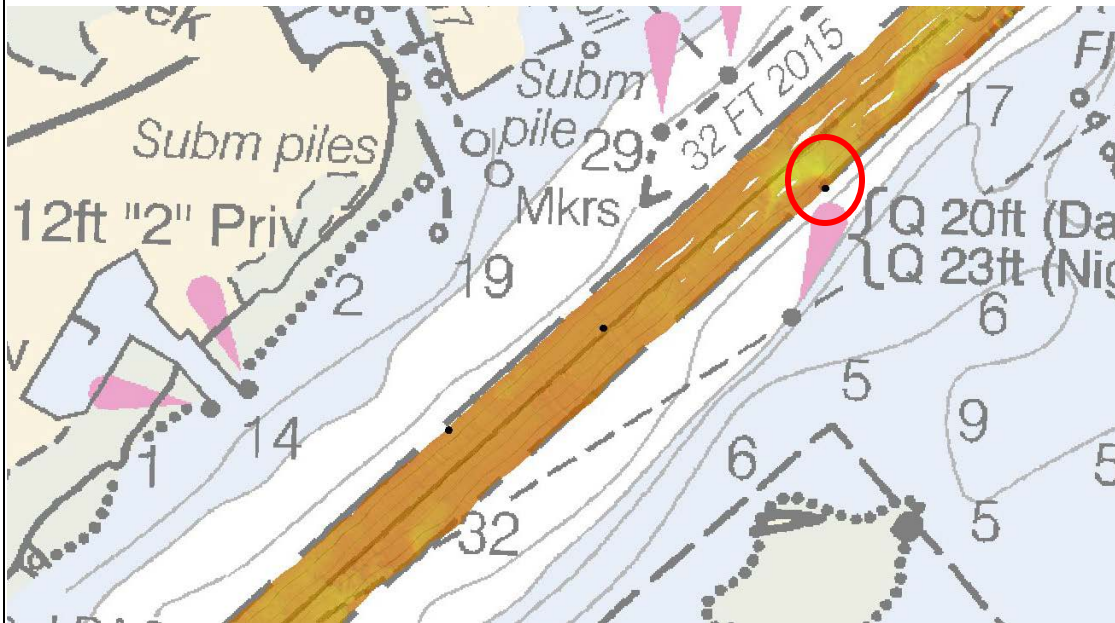


Date:	9/17/2018
Latitude:	33° 55' 58.2" N
Longitude:	077° 59' 03.0 W
MBES least depth:	Unknown
SSS contact height:	9 ft
Contact dimensions:	

Comments:

Possible legacy buoy block near the edge of the channel. Will return to verify minimum depth with MBES.

Additional media / information:



SSS imagery showing contact which rises ~3 m above the sea floor.

Obstruction on the edge of the charted dredged channel.

Project:	S-G941-NRT2-18	Chart Number:	11537
Survey:	D00255	Sounding Units:	Feet (NOAA rounded)
Locality:	Cape Fear River, NC	Datum:	MLLW
Sublocality:	Wilmington Fuel Pier, Lower River	Date of survey:	17 September, 2018



NOAA Navigation Response Team #2,
 Supplemental Contact Information, Hurricane Florence Response
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE - OFFICE OF COAST SURVEY

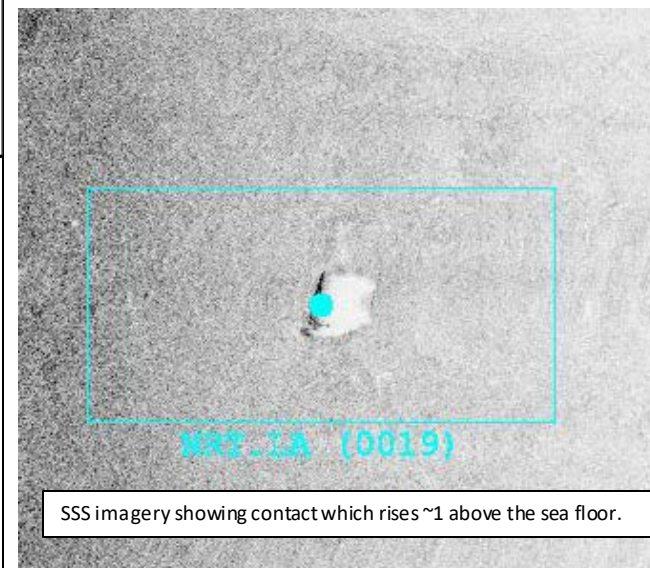
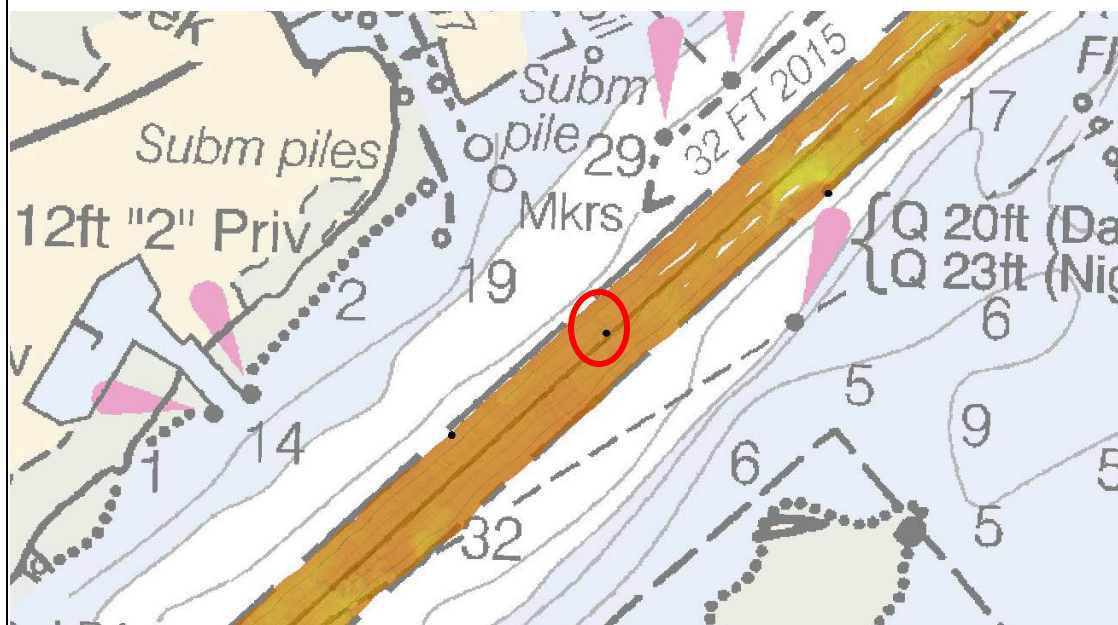
Contact:
 James Kirkpatrick/ Team Lead
 James.kirkpatrick@noaa.gov



Date:	9/17/2018
Latitude:	33° 55' 50.8" N
Longitude:	077° 59' 16.2 W
MBES least depth:	11.5 meters
SSS contact height:	~1 meter
Contact dimensions:	

Comments:

Additional media / information:



SSS imagery showing contact which rises ~1 above the sea floor.

Obstruction inside the charted dredged channel.

Project:	S-G941-NRT2-18	Chart Number:	11537
Survey:	D00255	Sounding Units:	Feet (NOAA rounded)
Locality:	Cape Fear River, NC	Datum:	MLLW
Sublocality:	Wilmington Fuel Pier, Lower River	Date of survey:	17 September, 2018

MBES coverage of obstruction with least depth of 7ft.



NOAA Navigation Response Team #2,
 Supplemental Contact Information, Hurricane Florence Response
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE - OFFICE OF COAST SURVEY

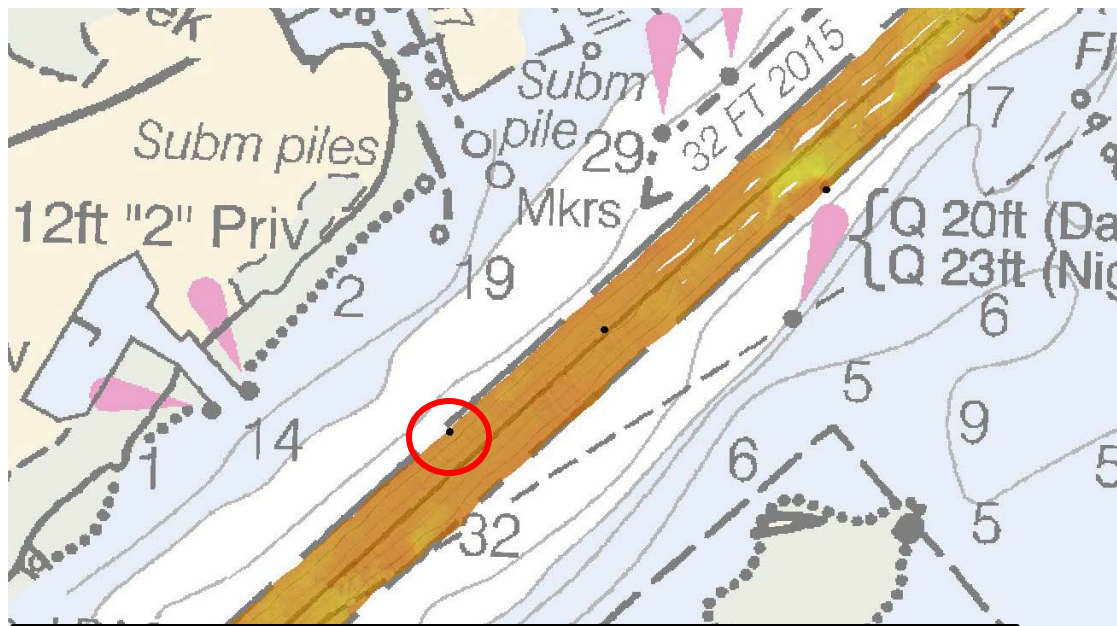
Contact:
 James Kirkpatrick/ Team Lead
 James.kirkpatrick@noaa.gov



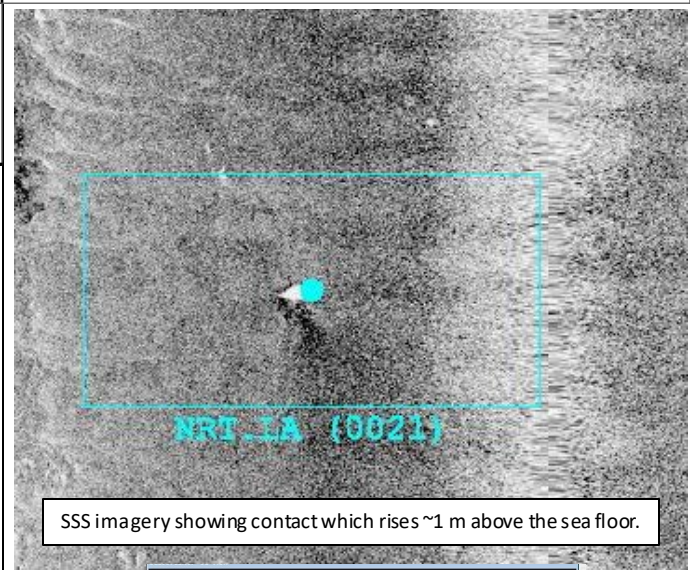
Date:	9/17/2018
Latitude:	33° 55' 45.5" N
Longitude:	077° 59' 25.3 W
MBES least depth:	12.4 meters
SSS contact height:	1 meter
Contact dimensions:	

Comments:

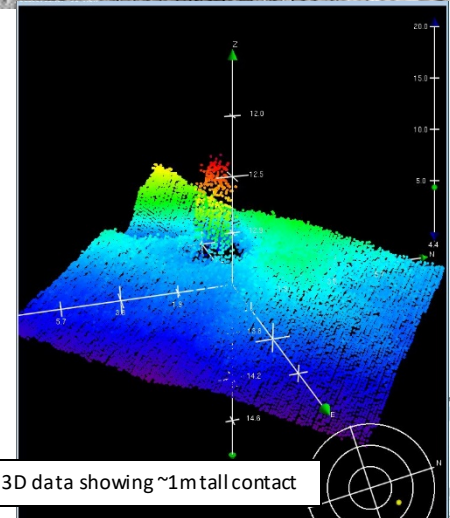
Additional media / information:



Obstruction on the edge charted dredged channel.



SSS imagery showing contact which rises ~1 m above the sea floor.



MBES 3D data showing ~1m tall contact

Project:	S-G941-NRT2-18	Chart Number:	11537
Survey:	D00255	Sounding Units:	Feet (NOAA rounded)
Locality:	Cape Fear River, NC	Datum:	MLLW
Sublocality:	Wilmington Fuel Pier, Lower River	Date of survey:	17 September, 2018



NOAA Navigation Response Team #2,
 Supplemental Contact Information, Hurricane Florence Response
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE - OFFICE OF COAST SURVEY

Contact:
 James Kirkpatrick/ Team Lead
 James.kirkpatrick@noaa.gov



Date:	9/17/2018
Latitude:	33° 56' 13.3"N
Longitude:	77° 58' 43.79"W
MBES least depth:	9.6
SSS contact height:	4 meters
Contact dimensions:	

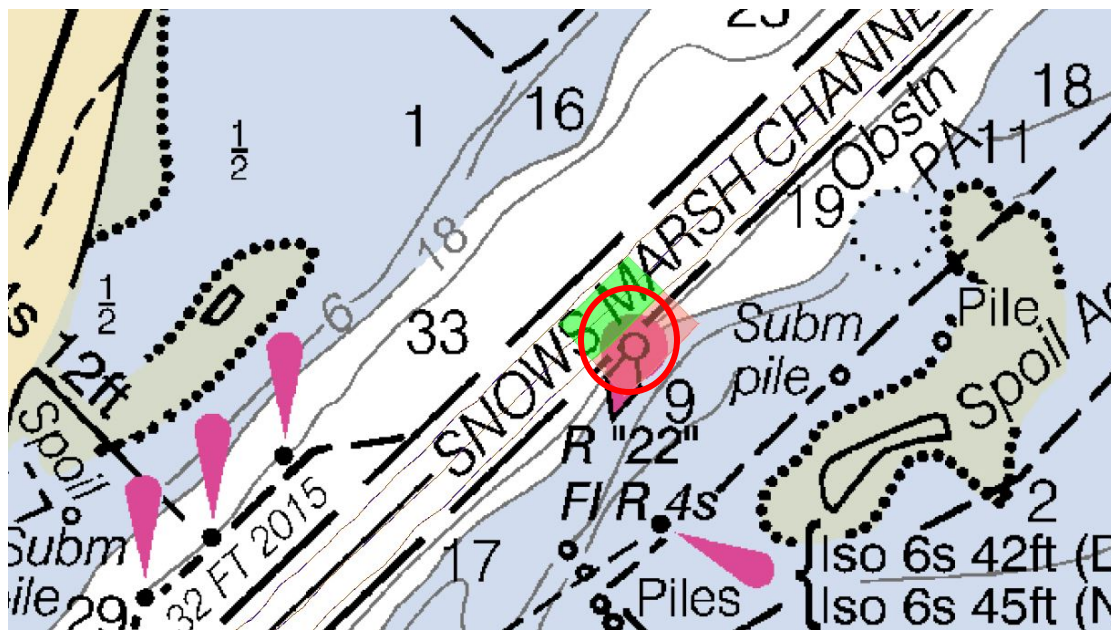
Comments:

4 meter tall obstruction inside of the dredged channel. Possible large buoy block or sunk buoy near Buoy R22.

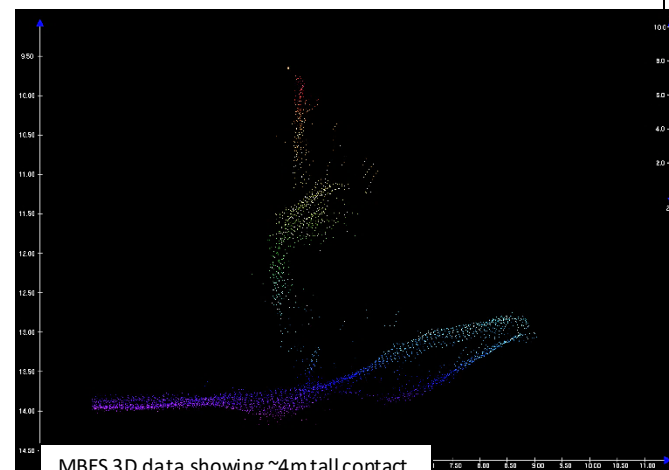
Additional media information:



SSS imagery showing contact which rises ~4 m above the sea floor.



Obstruction near the edge charted dredged channel.



MBES 3D data showing ~4m tall contact

Project:	S-G941-NRT2-18	Chart Number:	11537
Survey:	D00255	Sounding Units:	Feet (NOAA rounded)
Locality:	Cape Fear River, NC	Datum:	MLLW
Sublocality:	Wilmington Fuel Pier, Lower River	Date of survey:	17 September, 2018

To: Nautical Data Branch
From: Navigation Services Division
Subject: Post Hurricane Florence – Cape Fear River Objects Found by NRT-2
Largest Scale RNC Effected: 11537
Largest Scale ENC Effected: US5NC12M
Date Submitted: 10/23/18

Background:

NRT-2 of the Navigation Services Division, in coordination with USACE and USCG, was tasked with surveying a portion of the Cape Fear River, NC following landfall of Hurricane Florence on September 14, 2018. After the conditions had settled, NRT-2 surveyed on September 17-19. During that time period, 6 DTONS were submitted for charting. (DD-29896 and DD-29752 contain those 6 DTONS).

Although additional items were found, the Navigation Reponse Branch decided not to chart via the DTON process since USACE was already working to assess and salvage several of the items located by NRT-2.

USACE provided an assessment regarding what they found when they went out to try to locate and dive on these items. They were equipped with Multibeam, as well as divers and an additional underwater camera equipment. Many of the targets identified by the NRT were not found by USACE – presumably these items had washed further downstream. Other items were identified. Most were left in place (not salvaged), though 3 items were salvaged including two rocks (together), an 18” pipe, and a crab trap. Additionally, one of the targets located by NRT-2 a submerged buoy, was salvaged by the USGC, but was charted via the DTON process because NOAA was not notified regarding the salvage operations. A memo from the USCG is included in this document which can be used to remove that charted obstruction.

Items included with this document:

See the support file "L1011-2018_Support.zip" linked to DREG record L-1011-2018. -NDB

- NRT generated PowerPoint Presentation showing compilation and imagery for all targets with clearances less than 42 feet (which is project depth for this portion of the Cape Fear River). Please note that a number of targets were identified by NRT-2 with least depths greater than the Project Depths. These objects were not of concern to USACE and are not included here as they will not be charted. The PowerPoint is entitled “Hurricane_Florence_Contact_Report_Updated_237Sep2018_42Feet or Less.pptx”
- USACE list of targets with updated positions and recommendations regarding target identification and removal / non removal of objects, This document is entitled “Target List and Priorities.xlsx”.
- A spreadsheet generated by NSD which is a combination of the USACE submitted spreadsheet along with recommended NOAA action and Notes. Items highlighted in blue correspond to items that were left in place by USACE and warrant charting as they are less than Project Depth. This spreadsheet is entitled “Cape_Fear_River_Objects_Updated_10_22_18.xlsx”.
- A Shape file of those items which have a recommended action associated with them to either, retain, relocate, revise, or remove. The shape file is in LLNAD83 and the zip file containing it is entitled “Cape Fear River Items LLNAD83.zip” Please note that the shape file is based on the last found position which, is usually the updated position provided by USACE.
See the support file "L1011-2018_Shape.zip" linked to DREG record L-1011-2018. -NDB
- Memo from USCG confirming removal of submerged buoy at current location of Buoy RN “22”.

See page 3 of this letter. -NDB

- A zip file containing images from the PowerPoint which are linked to the NSD created spreadsheet. To have the links work, the zip file must be unzipped in a sub directory called “temp” under your C:\Working Directory. This zip file is entitled “Target Images.zip”
[See the support file "L1011-2018_Support.zip" linked to DREG record L-1011-2018. -NDB](#)
- Email correspondence from LT Brittany Akers of the USCG. LT Akers is in USCG, but stationed with USACE Wilmington District. She was provided notification of our intent to chart these specific objects and she also confirmed the removal of items noted as such in the spreadsheet / shape file.
[See pages 4-6 of this letter. -NDB](#)

* Mike Davidson of the Navigation Response Branch indicates that the application of final tide data to the least depths obtained by the NRT will be minimal and would likely be well within their reported uncertainties. As such, it is recommended that the features be charted based on the least depths provided in the spreadsheet and corresponding shape file.

Recommendations:

- 1) Use the shape files provided by NSD to remove, add, or revise items as noted.
- 2) Update Coast Pilot as may be deemed appropriate.
- 3) Recommend issuing language for inclusion in the LNM as these items are potential dangers given that they may have least depths less than the project depth of 42’.

Other:

Cartographers are asked to consult with Steve Soherr (240-533-0080) should they choose to deviate from the recommended action. This is so that he can notify the NRT or Navigation Manager, who submitted the information on behalf of our customers, about what they can expect to see charted. In some cases, they may be able to provide additional information that will enable MCD to chart the feature as was originally recommended.

U.S. Department of
Homeland Security

**United States
Coast Guard**



Commandant
United States Coast Guard

431 Crawford Street
Portsmouth, VA23704-5004
Staff Symbol: dpw
Phone: (757) 398-6690
Fax: (757) 398-6303
Email: sarah.a.lovette@uscg.mil

3121
October 10, 2018

Office of Coast Survey
National Oceanic and Atmospheric Administration

Dear Sir or Madam:

The United States Coast Guard successfully recovered the sunken Cape Fear River Channel Lighted Buoy 22 (LLNR 30520) on ~~August 18th, 2018.~~ **September 18, 2018 ****

For further questions or concerns please contact CDR Munoz at 757-398-6672.

Sincerely,

S. A. LOVETTE, LT
CGD FIVE (dpw)
U. S. Coast Guard
By direction

**** Revised by NDB per confirmation from S.A. Lovette, LT. (see support document, "L1011-2018_email.pdf")**



RE: [Non-DoD Source] Re: Port of Wilmington Salvage Ops- final report

1 message

Akers, Brittany S LT USCG (US) <Brittany.S.Akers@usace.army.mil>

Mon, Oct 1, 2018 at 10:10 AM

To: Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>

Cc: Ryan Wartick <ryan.wartick@noaa.gov>, "Wayne.E.Reed@uscg.mil" <Wayne.E.Reed@uscg.mil>,

"Joshua.P.Orourke@uscg.mil" <Joshua.P.Orourke@uscg.mil>, Michael Davidson <Michael.Davidson@noaa.gov>, John Lomnicky <John.Lomnicky@noaa.gov>

Yes those were removed by USACE's contracted salvage company yesterday, 9/30.

Brittany

-----Original Message-----

From: Steve Soherr - NOAA Federal [mailto:steve.soherr@noaa.gov]

Sent: Monday, October 1, 2018 10:01 AM

To: Akers, Brittany S LT USCG (US) <Brittany.S.Akers@usace.army.mil>

Cc: Ryan Wartick <ryan.wartick@noaa.gov>; Wayne.E.Reed@uscg.mil; Joshua.P.Orourke@uscg.mil; Michael Davidson <Michael.Davidson@noaa.gov>; John Lomnicky <John.Lomnicky@noaa.gov>

Subject: [Non-DoD Source] Re: Port of Wilmington Salvage Ops- final report

Thanks Brittany - appreciate it.

We'll take a look over this and follow up with any questions or concerns. Can you verify that the items in green on the spreadsheet were completely removed? (that is what it looks like from the spreadsheet, but want to confirm..)

On Mon, Oct 1, 2018 at 9:41 AM Akers, Brittany S LT USCG (US) <Brittany.S.Akers@usace.army.mil> <mailto:Brittany.S.Akers@usace.army.mil> > wrote:

Good morning LCDR Wartick/ Mr. Soherr,

Thank you again for NOAA's assistance in surveying NC after the storm. The salvage team completed ops yesterday and I wanted to pass along the final disposition of the targets identified in the Cape Fear River since I know you have chart updates pending. I think we also still owe you a memo for the sunken nav aid we moved near #22, so I'm following up on that today. Thank you again.

v/r,

LT Brittany Akers

US Coast Guard Detailed to US Army Corps of Engineers

Wilmington District - Navigation Division

Ph: (910) 251-4003

Brittany.S.Akers@usace.army.mil <mailto:Brittany.S.Akers@usace.army.mil>

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Steve Soherr

Cartographic Advisor



Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>

RE: Objects that were found in Cape Fear River by NOAA NRT (UNCLASSIFIED)

1 message

Akers, Brittany S LT USCG (US) <Brittany.S.Akers@usace.army.mil>
To: Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>

Mon, Oct 15, 2018 at 11:53 AM

Good morning Steve,

Thank you for the update in regards to charting. Adam and I are looking into Target 21 to see if it was identified by USACE or their salvage contractor. I'm going to be out of the office through Thursday, but hopefully Adam will get you something today or tomorrow. I'll touch base when I get back in Friday. Have a great week.

Kind regards,
Brittany

-----Original Message-----

From: Steve Soherr - NOAA Federal [mailto:steve.soherr@noaa.gov]

Sent: Friday, October 12, 2018 11:39 AM

To: Faircloth, Adam G CIV USARMY CESAW (US) <Adam.G.Faircloth@usace.army.mil>; Akers, Brittany S LT USCG (US) <Brittany.S.Akers@usace.army.mil>

Cc: Michael Davidson <Michael.Davidson@noaa.gov>; Daniel Morrow <Daniel.Morrow@noaa.gov>; James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>; Rachel Medley - NOAA Federal <rachel.medley@noaa.gov>

Subject: [Non-DoD Source] Objects that were found in Cape Fear River by NOAA NRT

Hi Brittany / Adam,

I've attached a spreadsheet (based on the one you had provided entitled "Target List and Priorities" The last column contains NOAA planned charting action.

There were several items that were located during evaluation for recovery which were left in place that would reduce project depth by a foot or more. Based on our policy, we chart such objects if we know that USACE does not plan to salvage them. I just wanted to provide a heads up to you on these and allow you to provide comments before we move on this.

Let me know if you have any questions or concerns. Also, as an fyi, our depth rounding rules dictate that depths are rounded up at .75, so a least depth of 41.7 would be charted as a 41.

I've attached a zip file containing the corresponding NOAA slides. Hopefully, if you create a directory called c:\working\temp and unzip the contents of the zip file to that directory, the slide links will work. If not, you can manually reference them by the link title.

On a final note, I I was not able to identify a NOAA slide for what is labeled as Target 21...

Regards,
Steve

--

Steve Soherr

Cartographic Advisor
Office of Coast Survey
240-533-0080



Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>

Port of Wilmington Salvage Ops- final report

1 message

Akers, Brittany S LT USCG (US) <Brittany.S.Akers@usace.army.mil> Mon, Oct 1, 2018 at 9:39 AM
To: "Ryan Wartick (ryan.wartick@noaa.gov)" <ryan.wartick@noaa.gov>, Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>
Cc: "Reed, Wayne E LCDR" <Wayne.E.Reed@uscg.mil>, "Chief O'rourke (Joshua.P.Orourke@uscg.mil)" <Joshua.P.Orourke@uscg.mil>

Good morning LCDR Wartick/ Mr. Soherr,

Thank you again for NOAA's assistance in surveying NC after the storm. The salvage team completed ops yesterday and I wanted to pass along the final disposition of the targets identified in the Cape Fear River since I know you have chart updates pending. I think we also still owe you a memo for the sunken nav aid we moved near #22, so I'm following up on that today. Thank you again.

v/r,

LT Brittany Akers
US Coast Guard Detailed to US Army Corps of Engineers
Wilmington District - Navigation Division
Ph: (910) 251-4003
Brittany.S.Akers@usace.army.mil



Target List and Priorities.xlsx

15K



OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>

Removal of Buoy 22

3 messages

Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>

Mon, Oct 29, 2018 at 3:19 PM

To: edward.munoz@uscg.mil

Cc: Michael Davidson <Michael.Davidson@noaa.gov>, Thaddeus Ellerbe - NOAA Federal <thaddeus.ellerbe@noaa.gov>, NDB Mailbox <ocs.ndb@noaa.gov>

Hi CDR,

Appreciate your help confirming the date of removal in the memo that was dated 10/10/2018. As discussed, we believe the salvage date should have been 9/18/18 rather than 8//18/18. Can you confirm?

Regards,
Steve

--

Steve Soherr
Cartographic Advisor
Office of Coast Survey
240-533-0080
steve.soherr@noaa.gov
<https://nauticalcharts.noaa.gov>

Munoz, Edward CDR <Edward.Munoz@uscg.mil>

Tue, Oct 30, 2018 at 11:28 AM

To: Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>

Cc: Michael Davidson <Michael.Davidson@noaa.gov>, Thaddeus Ellerbe - NOAA Federal <thaddeus.ellerbe@noaa.gov>, NDB Mailbox <ocs.ndb@noaa.gov>

Good morning Mr. Soherr,

I would like to confirm that the correct date is 18 Sept 2018. I apologize for the error. Thank you for reaching out, please let me know if you need any additional information.

Regards,

Ed

CDR Ed Munoz

Fifth Coast Guard District

Chief, Waterways Management and Aids to Navigation Programs Branch (DPW)

Office 757 398-6672

Cell 757 755-6733

From: Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>
Sent: Monday, October 29, 2018 3:20 PM
To: Munoz, Edward CDR <Edward.Munoz@uscg.mil>
Cc: Michael Davidson <Michael.Davidson@noaa.gov>; Thaddeus Ellerbe - NOAA Federal <thaddeus.ellerbe@noaa.gov>; NDB Mailbox <ocs.ndb@noaa.gov>
Subject: [Non-DoD Source] Removal of Buoy 22

[Quoted text hidden]

Steve Soherr - NOAA Federal <steve.soherr@noaa.gov> Tue, Oct 30, 2018 at 11:30 AM
To: Edward.Munoz@uscg.mil
Cc: Michael Davidson <Michael.Davidson@noaa.gov>, Thaddeus Ellerbe - NOAA Federal <thaddeus.ellerbe@noaa.gov>, NDB Mailbox <ocs.ndb@noaa.gov>

Thanks very much CDR Munoz,

Regards,

Steve

[Quoted text hidden]

APPROVAL PAGE

D00255

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.

Approved: _____

Commander Olivia Hauser, NOAA
Chief, Pacific Hydrographic Branch