

F00716

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

DESCRIPTIVE REPORT

Type of Survey: Field Examination

Registry Number: F00716

LOCALITY

State(s): Virginia

General Locality: Approaches to Chesapeake Bay

Sub-locality: 40NM off Virginia Coast

2018

CHIEF OF PARTY
Mark Blankenship LCDR/NOAA

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

F00716

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): **Virginia**

General Locality: **Approaches to Chesapeake Bay**

Sub-Locality: **40NM off Virginia Coast**

Scale: **1:40000**

Dates of Survey: **March 14, 2018**

Project Number: **OPR-D304-FH-18**

Data Source: **NOAA Ship FERDINAND R. HASSLER**

Chief of Party: **Mark Blankenship LCDR/NOAA**

Soundings by: **multibeam**

Imagery by: **backscatter**

Verification by: **Atlantic 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

December 20, 2018

MEMORANDUM FOR: Atlantic Hydrographic Branch

FROM: Mark Blankenship, LCDR/NOAA
Chief Hydrographer, NOAA



SUBJECT: Submission of Survey F00716

The purpose of this survey is to investigate several charted features in an effort to verify or disprove their existence.

NOAA Ship FERDINAND R. HASSLER provided raw (ie: .s7k), processed (ie: HDCS), and ancillary (ie: POS, SBET, RMS, SVP, FFF) data to the Atlantic Hydrographic Branch. A variable resolution surface was also submitted to the Atlantic Hydrographic Branch.

Soundings were reduced to Mean Lower Low Water (MLLW) by VDatum transformation using the model named 'SEP-outline_ContactSearch_xyNAD83-MLLW_geoid12b.csar after the 5P processing solution was applied via SBET and RMS files.

All survey systems and methods utilized during this survey were as described in OPR-D304-FH-18_DAPR.

There were no DTONs created for this survey.

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

Two (2) charted features were investigated using complete coverage MBES. Assigned search radii were achieved per HSSD specifications. No evidence of any wreck or obstruction exists within the data. Hydrographer recommends removing features from all applicable charts.

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

Metadata for Survey F00716	
Project	OPR-D304-FH-18
Survey	F00716
State	Virginia
Locality	Approaches to Chesapeake Bay
Sub-Locality	40NM off Virginia Coast
Scale of Survey	1:40000
Sonars Used	RESON SeaBat 7125 (MBES)
Horizontal Datum	North American Datum 1983
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	VDatum
Projection	UTM Zone 18N
Field Unit	NOAA Ship FERDINAND R. HASSLER
Survey Dates	03/14/2018
Chief of Party	LCDR Mark Blankenship
Submission Date	03/22/2018



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

H13095

2 messages

OPS.Ferdinand Hassler - NOAA Service Account <ops.ferdinand.hassler@noaa.gov> Mon, Nov 12, 2018 at 6:02 PM
To: AHB Chief - NOAA Service Account <ahb.chief@noaa.gov>, Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>
Cc: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>, CO HASSLER <co.ferdinand.hassler@noaa.gov>

Greetings,

OPR-D304-FH-18 H13095 and F00716 were started before the 2018 HSSD was released and therefore the folder structure was established using the 2017 HSSD specs. I am requesting a waiver to continue using the 2017 folder structure. This email will be archived in the correspondence folder once the conversation is complete.

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

Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Tue, Nov 13, 2018 at 11:28 AM

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

Hi LT Kidd,

yes, you may keep the 2017 survey file structure for sheets OPR-D304-FH-18; H13095 and F00716 as they were opened prior to the directive.

Doug

[Quoted text hidden]

--

Douglas Wood

Physical Scientist

Hydrographic Surveys Division

Office of Coast Survey

National Oceanic and Atmospheric Administration

1315 East West Highway

Silver Spring, MD 20910

240-533-0042



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

F00716 SEP model, DR Memo is ok.

4 messages

Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Thu, Mar 22, 2018 at 11:40 AM

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

Hi *FH* Ops,

A DR memo will suffice for the disproval of the two contacts in sheet F00716. Since it will probably be more useful for the branch if a sounding is included, I am attaching a SEP model (NAD83 - MLLW). The current model does not reach the most offshore contacts so if you are disproving these let me know so we can extend the model.

A small concern is that this SEP covers 4 vertical areas with slightly different (~ 1 cm variation) uncertainty. If this is a problem then send me the location of each contact and I will make smaller models to cover only these.

The branch may also want the data to verify.




Let me know if you need anything else.

Thank you.

--

Douglas Wood
Physical Scientist
Hydrographic Surveys Division
Office of Coast Survey
National Oceanic and Atmospheric Administration
[1315 East West Highway](#)
[Silver Spring, MD 20910](#)
240-533-0042

3 attachments

-  **SEP-outline_ContactSearch_xyNAD83-MLLW_geoid12b.csar**
126K
-  **SEP-outline_ContactSearch_xyNAD83-MLLW_geoid12b.csar0**
6949K
-  **sep-outline_contactsearch_xysep.txt.log**
2K

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

Thu, Mar 22, 2018 at 12:19 PM

To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

One more thing Doug and we can submit. I never got a PI for this sheet. What should I put for General Locality Sublocality and Scale?

LT John Kidd
Field Operations Officer, NOAA Ship FERDINAND R. HASSLER
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[Quoted text hidden]

Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>
To: "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>

Thu, Mar 22, 2018 at 2:50 PM

Hi LT Kidd,

assume that F00716 is a sheet under OPR-D304-FH-18; general locality: 'Approaches to Chesapeake Bay', sub-locality 'Southern Chesapeake Bay' and scale: 1:40,000.

Doug

[Quoted text hidden]

OPS.Ferdinand Hassler - NOAA Service Account <ops.ferdinand.hassler@noaa.gov>
To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Thu, Mar 22, 2018 at 3:10 PM

Roger, thanks

LT John Kidd

Field Operations Officer, NOAA Ship FERDINAND R. HASSLER

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[Quoted text hidden]



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

F00716 DR Memo

4 messages

OPS.Ferdinand Hassler - NOAA Service Account <ops.ferdinand.hassler@noaa.gov>
To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Wed, Mar 21, 2018 at 7:59 AM

Doug,

Just wanted to verify, all that is needed for F00716 is a DR memo correct?

LT John Kidd

Field Operations Officer, NOAA Ship FERDINAND R. HASSLER

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Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Wed, Mar 21, 2018 at 8:30 AM

To: "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>

Hi LT Kidd,

um, let me find out. I am going to check with Corey (CC'd here) but we are having a snow day in the DC area (for a little snow so far but we are getting more).

Are you likely to get to this contact survey? Is the Navy still keeping you away from the main survey grounds?

Doug

[Quoted text hidden]

--

Douglas Wood

Physical Scientist

Hydrographic Surveys Division

Office of Coast Survey

National Oceanic and Atmospheric Administration

1315 East West Highway

Silver Spring, MD 20910

240-533-0042

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

Wed, Mar 21, 2018 at 8:38 AM

To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>

We only had time to survey 2 of the assigned features and got one line of data over a wire drag wreck and a PA wreck. This happened sometime last week (mentioned in the weekly update).

Also, what vertical corrector would HSD prefer? We will need a .zdf or ellipsoid-MLLW separation model to properly reference to MLLW. Because the data is only intended to be used for feature disproval and the data was collected in a short amount of time, I would think a zero tide would be acceptable but this is HSD's call.

LT John Kidd

Field Operations Officer, NOAA Ship FERDINAND R. HASSLER

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[Quoted text hidden]

OPS.Ferdinand Hassler - NOAA Service Account <ops.ferdinand.hassler@noaa.gov> Wed, Mar 21, 2018 at 9:09 AM

To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>

Also, can you please provided guidance on deliverable? It is the CO's opinion that a DR memo with a final feature file indicating the removal of the two wrecks would be adequate.

*LT John Kidd**Field Operations Officer, NOAA Ship FERDINAND R. HASSLER**ship's cell: 603-812-8748 * VOIP: 541-867-8935 * irridium: 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]



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

Contact survey for approaches to, and lower Chesapeake Bay

3 messages

Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Tue, Mar 13, 2018 at 4:50 PM

To: "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>, "CO.Ferdinand Hassler - NOAA Service Account" <co.ferdinand.hassler@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>

Hi *Ferdinand Hassler Ops*,

attached are a PRF and CSF for survey F00716 under project OPR-D304-FH-18 which contains 42 assigned contacts. These are contacts which have unknown minimum depth or uncertain position or existence. If you are unable to survey the main-scheme of survey OPR-D304 then verifying or disproving select contacts is an option. It is presumed that some of these may not be appropriate to be surveyed by the *FH*.

The contacts are assigned fall within the scope of the HSRR environmental review parameters. Refer to the attached best management practices. More instruction on submission will be forthcoming. Let us know if you have any questions.

Thank you.


Doug


--

Douglas Wood
Physical Scientist
Hydrographic Surveys Division
Office of Coast Survey
National Oceanic and Atmospheric Administration
1315 East West Highway
Silver Spring, MD 20910
240-533-0042

3 attachments

 **Env Review - OMAO HSRR 2018.Signed.pdf**
2942K

 **Final_OPR-D304-FH-18_F00716-Contacts-CSF.000**
18K

 **Final_OPR-D304-FH-18_F00716-Contacts-PRF.000**
55K

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

Tue, Mar 13, 2018 at 4:59 PM

To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Cc: "CO.Ferdinand Hassler - NOAA Service Account" <co.ferdinand.hassler@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>

Received, thanks Doug will check out the files sent and respond if I have any questions.

LT John Kidd

Field Operations Officer, NOAA Ship FERDINAND R. HASSLER

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12/20/2018

National Oceanic and Atmospheric Administration Mail - Contact survey for approaches to, and lower Chesapeake Bay

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

[Quoted text hidden]

Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Tue, Mar 13, 2018 at 5:08 PM

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

Great. Thank you.

[Quoted text hidden]



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

F00716 clarification

5 messages

OPS.Ferdinand Hassler - NOAA Service Account <ops.ferdinand.hassler@noaa.gov>
To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

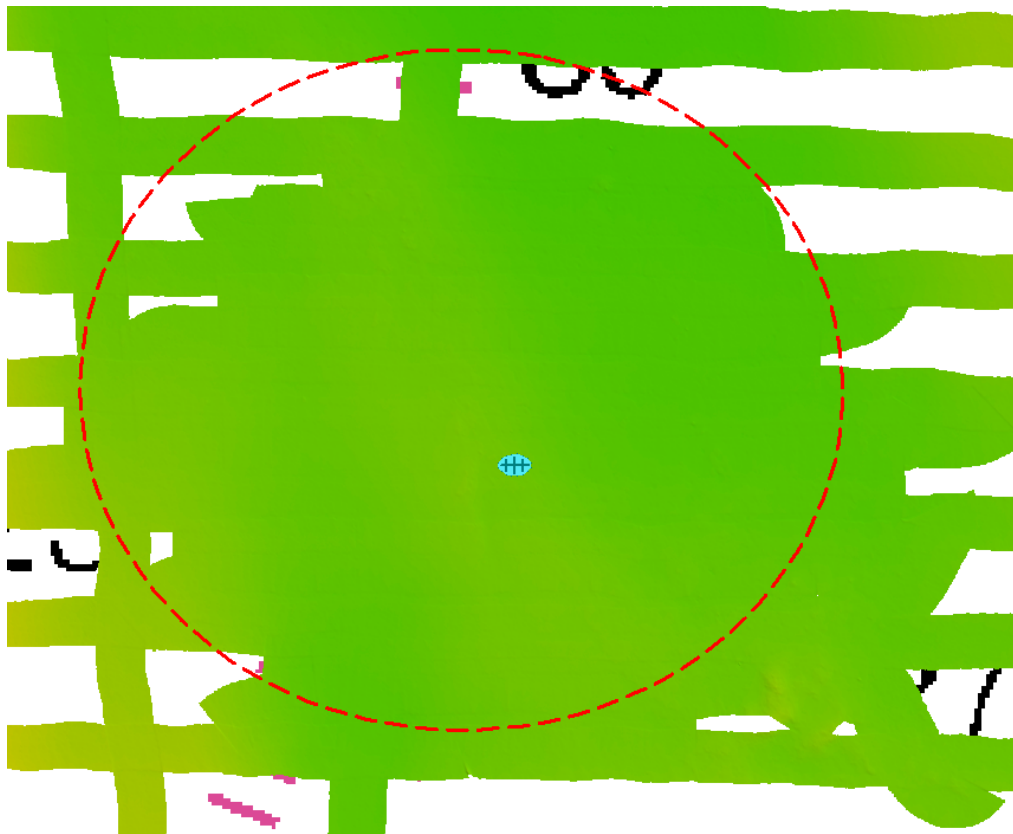
Tue, Mar 27, 2018 at 11:48 AM

Hey Doug,

We will be doing some more feature disapproval with the small boat on Thursday. Had a few questions about F00716;

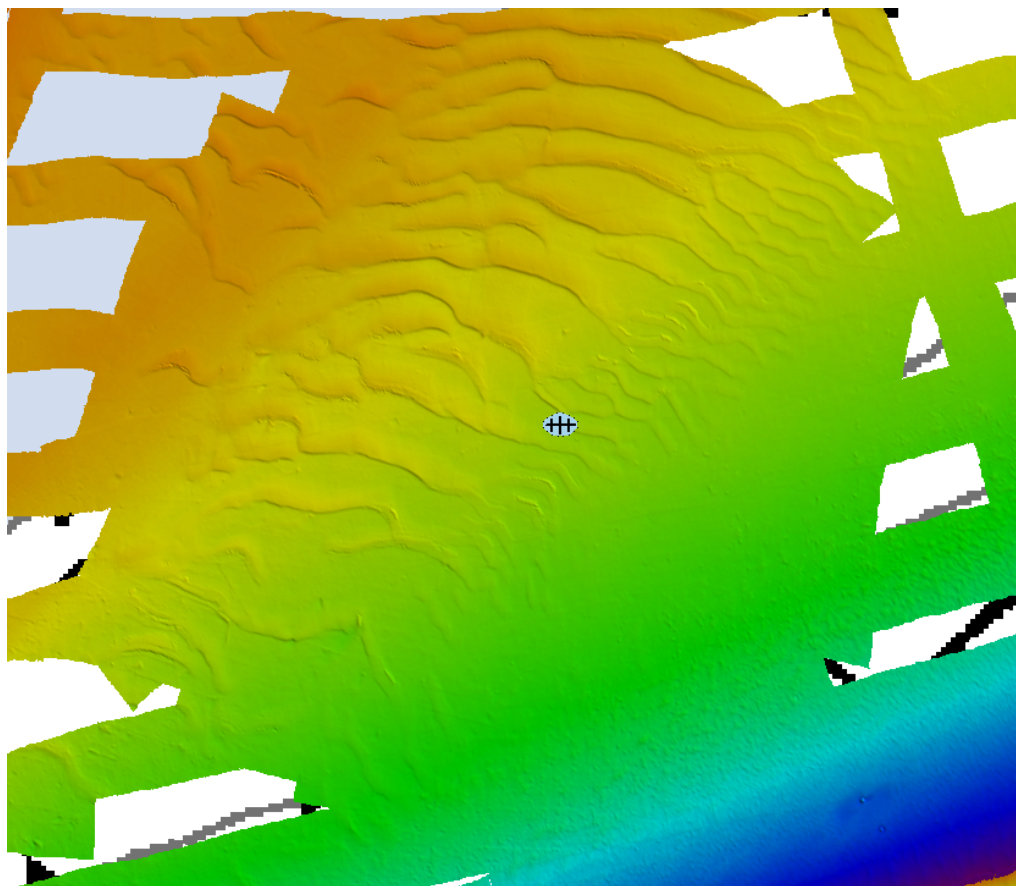
- For clarification, the Project Instructions for OPR-D304-FH-18 state that the project is a complete coverage survey. Should the deliverable for F00716 meet complete coverage specs or object detection specs?
- Feature @ 37-06-47.6N 076-12-16.3W

Looks like TJ covered this feature as part of H12866. Not sure why the watch circle is off centered. Is more coverage still needed?



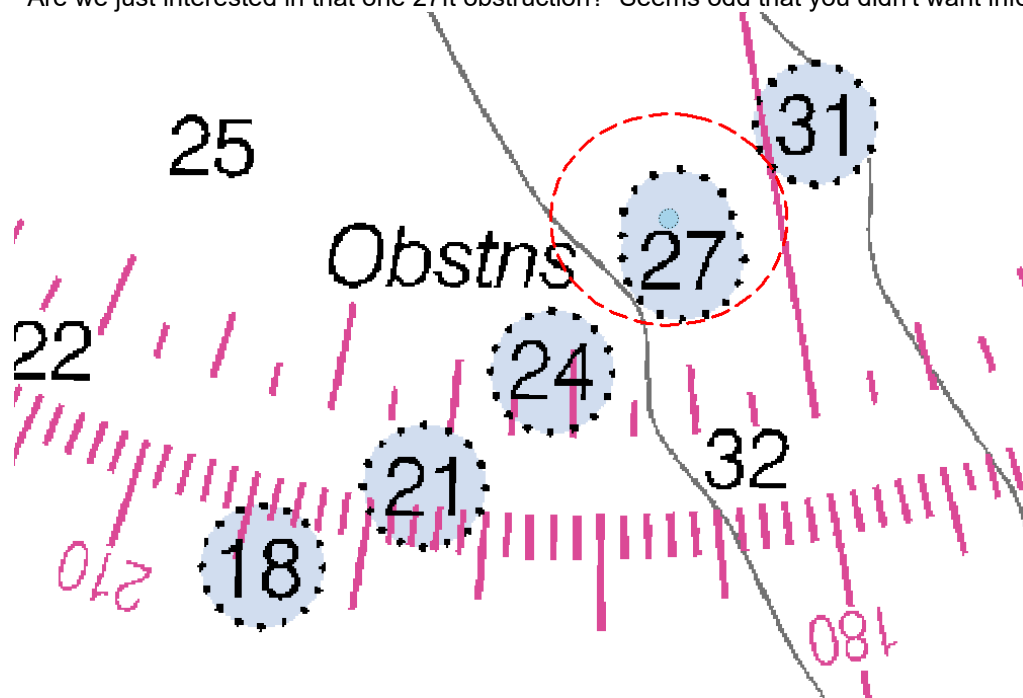
- Wreck @ 37-00-20.7N 076-17-43.6W

Looks like TJ covered this feature as part of H12866. Is more coverage still needed?



- Obstructions @ 37-04-17.6N 076-03-44.6W

Are we just interested in that one 27ft obstruction? Seems odd that you didn't want info on the other neighbors.



- Obstruction @ 36-58-47.9N 076-19-56.2W

What kind of search radius is expected for this feature?

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Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>
To: "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>

Tue, Mar 27, 2018 at 12:52 PM

Hi LT Kidd,

I'll be down there this evening (TJ invited me down to help with HSRR) and will be there for the rest of the week.

The last contact (attached image): your map doesn't match with mine for that somehow. I show the contact to be ~1.6 km north of the navy base in 55 feet of water (chart 12245).

Feature ID 0_0000048239 00001. If that agrees with you I set this up as a 'for info only' because it is outside of the HSRR area covered by our env compliance memo (area in red).

The middle contact is also outside of the HSRR area and was included for information only. This one and the first were covered by H12866 and do not need to be covered again. Sorry to include them, looks like you did better digging than I did.

I do have to ask the chart folks why these are still described as 'depth unknown' in the current ENC.

Basically, skip all three.

Sorry for the confusion.

Doug

[Quoted text hidden]

--

Douglas Wood
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Hydrographic Surveys Division
Office of Coast Survey
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240-533-0042



Contact_37-58-17_076-03-44.jpg
196K

OPS.Ferdinand Hassler - NOAA Service Account <ops.ferdinand.hassler@noaa.gov>
To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

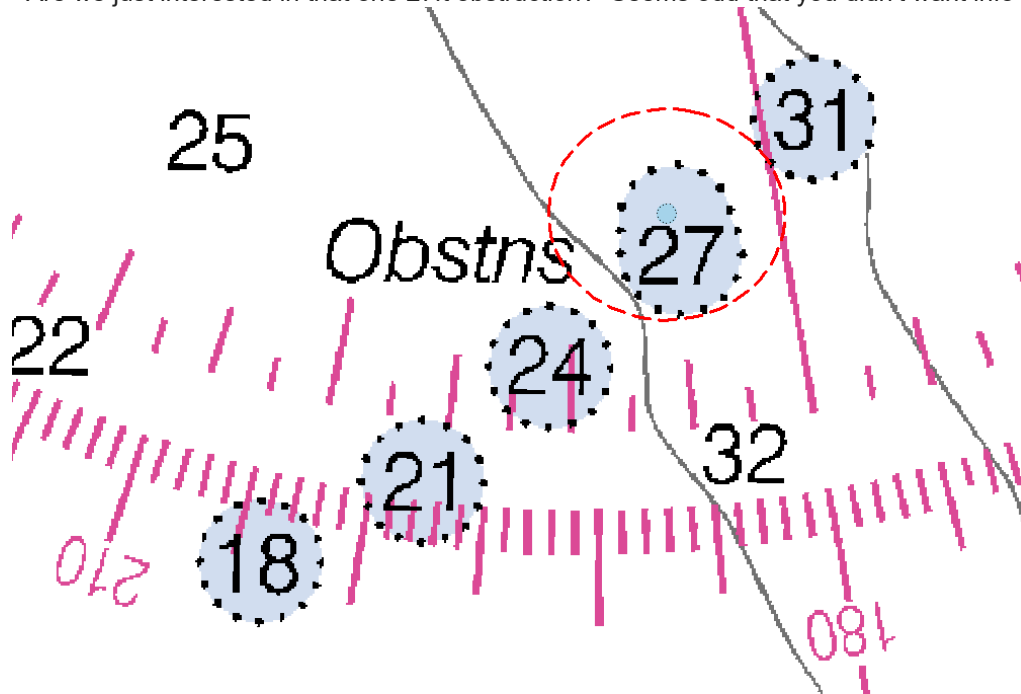
Wed, Mar 28, 2018 at 10:38 AM

Doug,

I think you missed a feature I asked about in the first email. Prob this one.

- Obstructions @ 37-04-17.6N 076-03-44.6W

Are we just interested in that one 27ft obstruction? Seems odd that you didn't want info on the other neighbors.



LT John Kidd
 Field Operations Officer, NOAA Ship FERDINAND R. HASSLER
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[Quoted text hidden]

Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>
 To: "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>

Wed, Mar 28, 2018 at 10:53 AM

I'll be right over; might be easier to look live.

[Quoted text hidden]

OPS.Ferdinand Hassler - NOAA Service Account <ops.ferdinand.hassler@noaa.gov>
 To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Wed, Mar 28, 2018 at 11:24 AM

Doug,

Just preserving the conversation we had on this email chain. Thanks for coming over and talking about edits to the .CSF. As discussed, we will be going out on the launch tomorrow which opens up the potential list of contacts that can be investigated.

LT John Kidd
 Field Operations Officer, NOAA Ship FERDINAND R. HASSLER
 ship's cell: 603-812-8748 * VOIP: 541-867-8935 * irridium: 808-851-3826

12/20/2018

National Oceanic and Atmospheric Administration Mail - F00716 clarification

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[Quoted text hidden]



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

clean up of survey tracker

3 messages

Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Tue, Nov 13, 2018 at 2:28 PM

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

Hi FOO,

I am looking at closing out sheet F00716, the feature-DTON disapproval in Ches Bay. Is acquisition now closed and when were the actual start/stop field work dates.

--

Douglas Wood
Physical Scientist
Hydrographic Surveys Division
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[Silver Spring, MD 20910](#)
240-533-0042

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

Fri, Nov 16, 2018 at 9:47 AM

To: Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Doug,

Yes we can consider that closed. Start and Stop day is the same 3/14/2018

LT John Kidd
Field Operations Officer, NOAA Ship FERDINAND R. HASSLER
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[Quoted text hidden]

Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>

Fri, Nov 16, 2018 at 11:03 AM

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

Merci.

[Quoted text hidden]

APPROVAL PAGE

F00716

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
- Data Acquisition and Processing Report
- Collection of Bathymetric Attributed Grids (BAGs)
- Processed survey data and records
- Geospatial PDF of survey products
- Collection of backscatter mosaics

The survey evaluation and verification have been conducted according to current OCS specifications, and the survey has been approved for dissemination and usage of updating NOAA's suite of nautical charts.

Approved: _____

Commander Meghan McGovern, NOAA
Chief, Atlantic Hydrographic Branch