

**F00810**

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

**DESCRIPTIVE REPORT**

Type of Survey: Field Examination

Registry Number: F00810

**LOCALITY**

State(s): Maine  
New Hampshire

General Locality: Portsmouth to Dover and Exeter

Sub-locality: Piscataqua River

**2020**

CHIEF OF PARTY  
LCDR Megan Guberski

LIBRARY & ARCHIVES

Date:

**HYDROGRAPHIC TITLE SHEET**

**F00810**

**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): **Maine New Hampshire**

General Locality: **Portsmouth to Dover and Exeter**

Sub-Locality: **Piscataqua River**

Scale: **5000**

Dates of Survey: **08/03/2020 to 08/05/2020**

Instructions Dated: **06/30/2020**

Project Number: **OPR-A366-FH-19**

Field Unit: **NOAA Ship *Ferdinand R. Hassler***

Chief of Party: **LCDR Megan Guberski**

Soundings by: **R2Sonic 2022 (MBES)**

Imagery by: **N/A**

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 19N, 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 SUMMARY

### A. Area Surveyed

This hydrographic survey was acquired in accordance with the requirements defined in the Project Instruction OPR-A366-FH-19.

Data were acquired within the following survey limits:

Northwest Limit	Southeast Limit
43° 7' 10.25" N 70° 48' 43.91" W	43° 4' 31.05" N 70° 44' 24.47" W

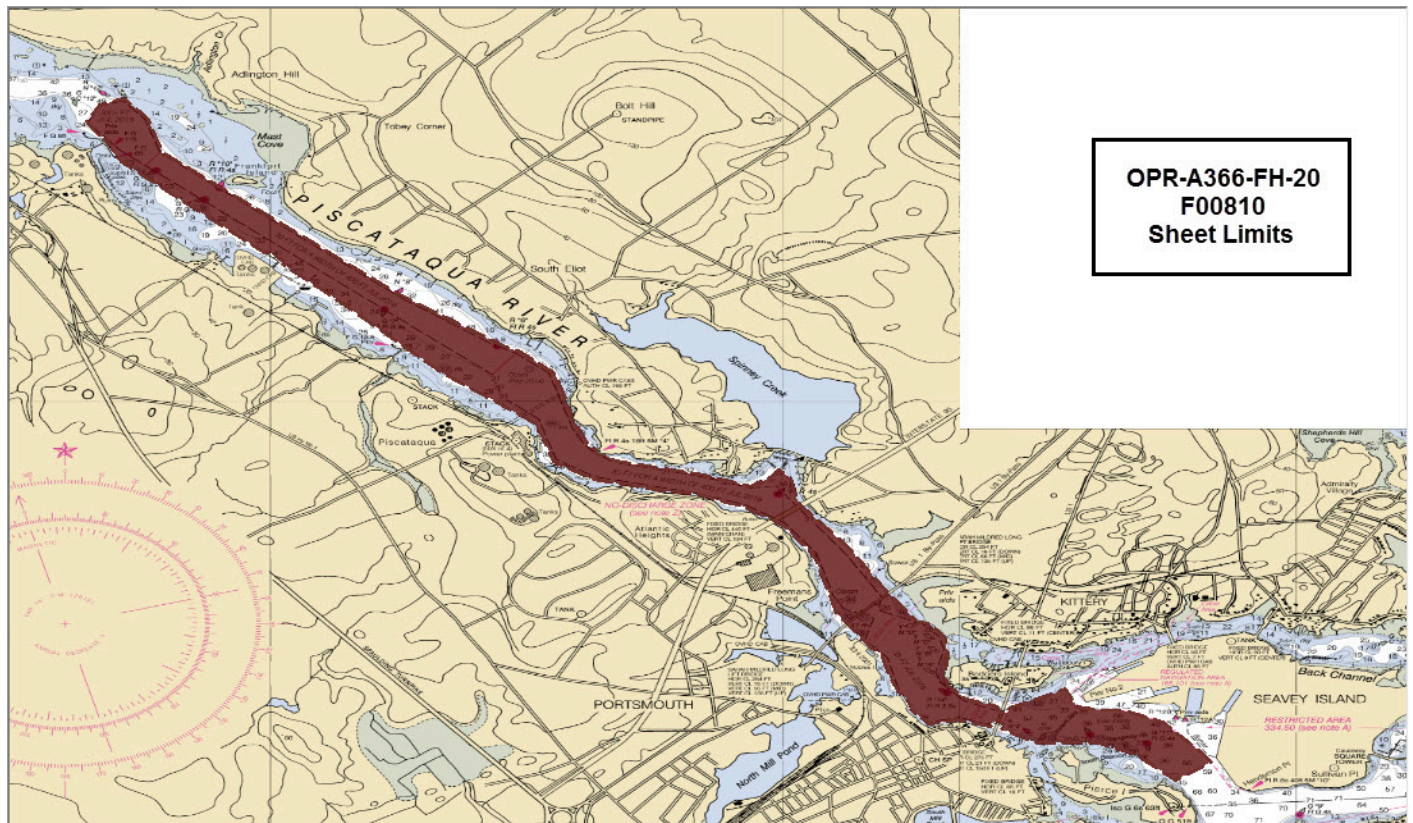


Figure 1: F00810 sheet limits overlaid onto Charts 13283 and 13285.

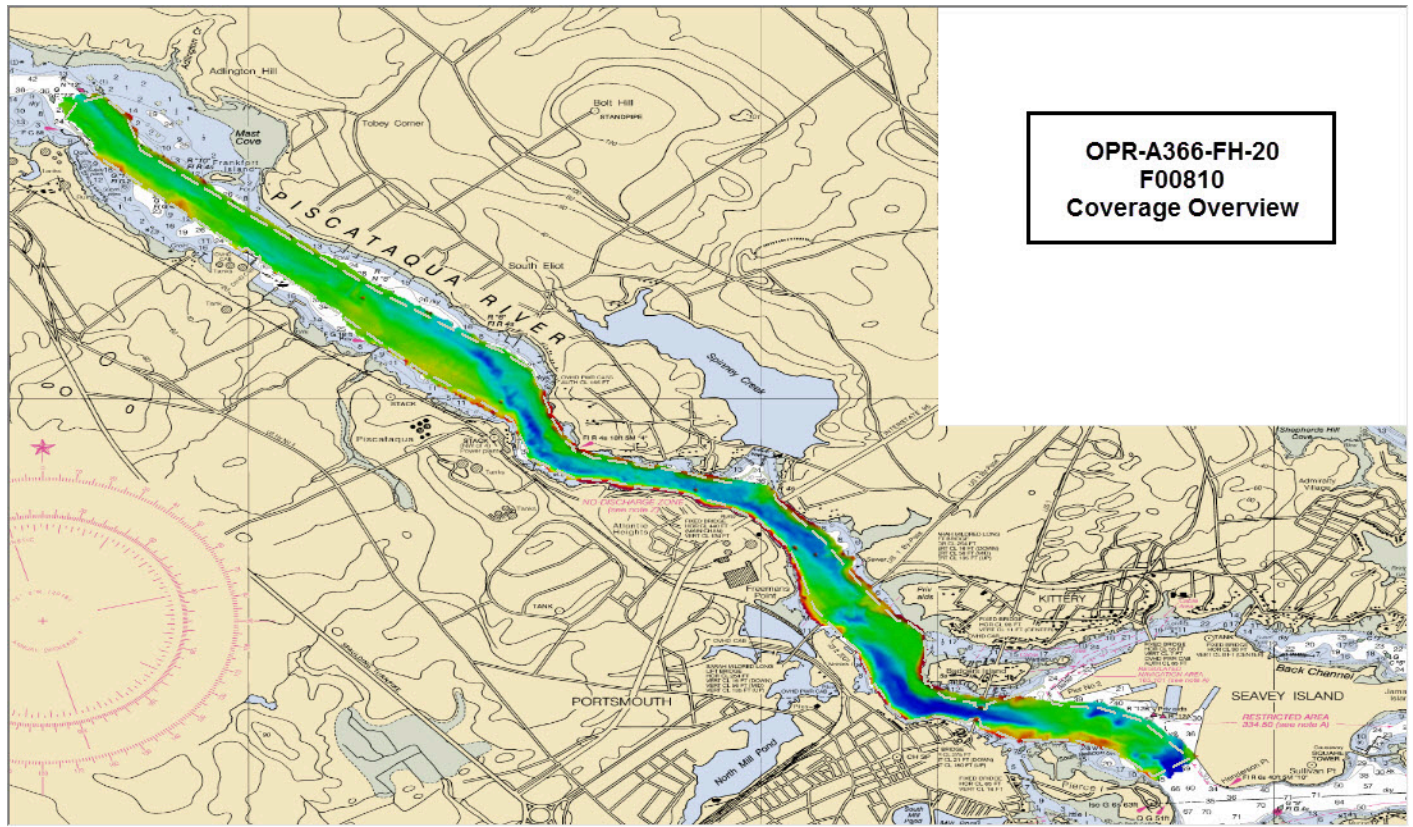


Figure 2: F00810 survey coverage overlaid onto Charts 13283 and 13285.

***Additional documentation containing additional requirements for this survey are attached to the report.***

## B. Survey Purpose

The USCG requested a survey in the Piscataqua River a few miles upstream from New Castle, NH. On May 24, 2020 a 14 foot aluminum StarCraft vessel sank. The location of the incident was recorded, but the vessel has yet to wash up on the shore. There is a concern that it may be located in bounds of the navigable channel.

## C. Intended Use of Survey

The survey is partially adequate to supersede previous data.

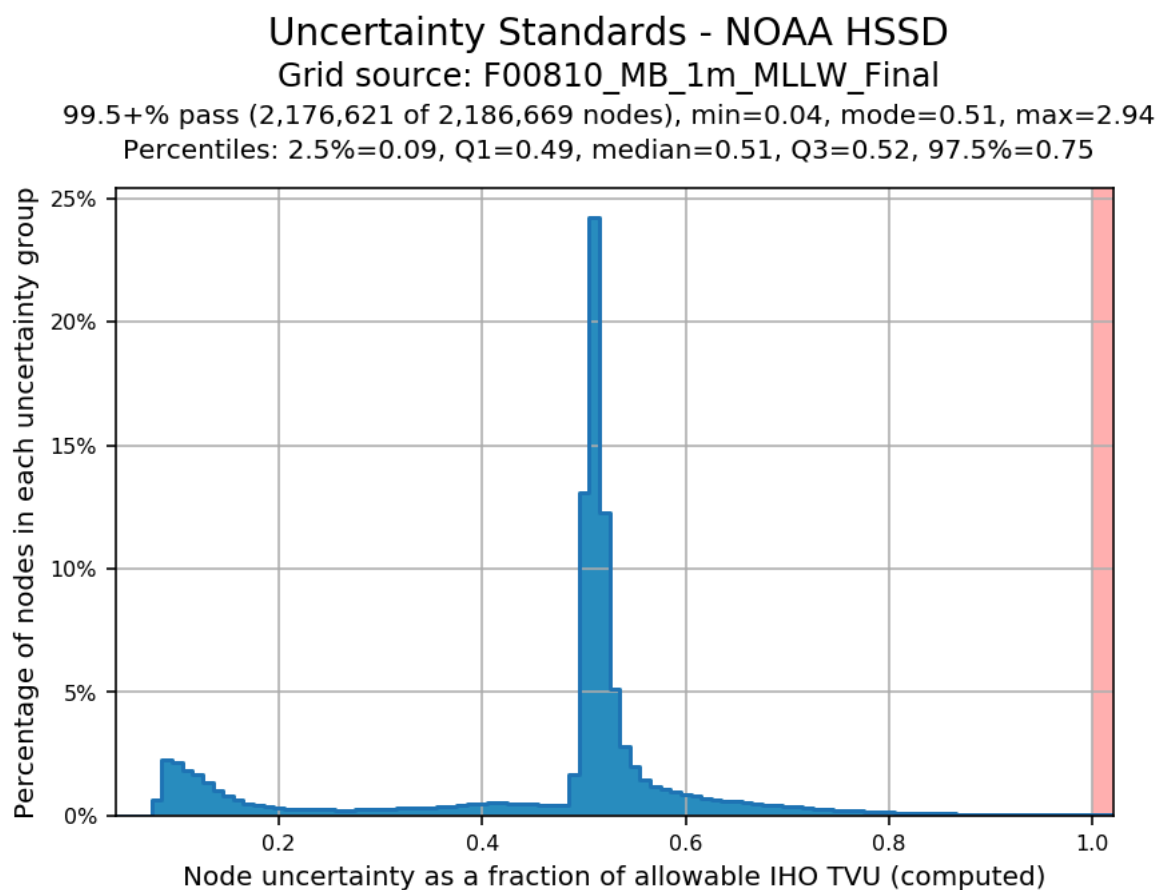
If F00810 data with attitude artifacts are wholly removed from the dataset, or heavily filtered, and erroneous soundings are removed - then the data from F00810 could be used for application to the chart.

## D. Data Acquisition and Processing

All survey systems and methods utilized during this survey were as described in OPR-A366-FH-19\_DAPR.

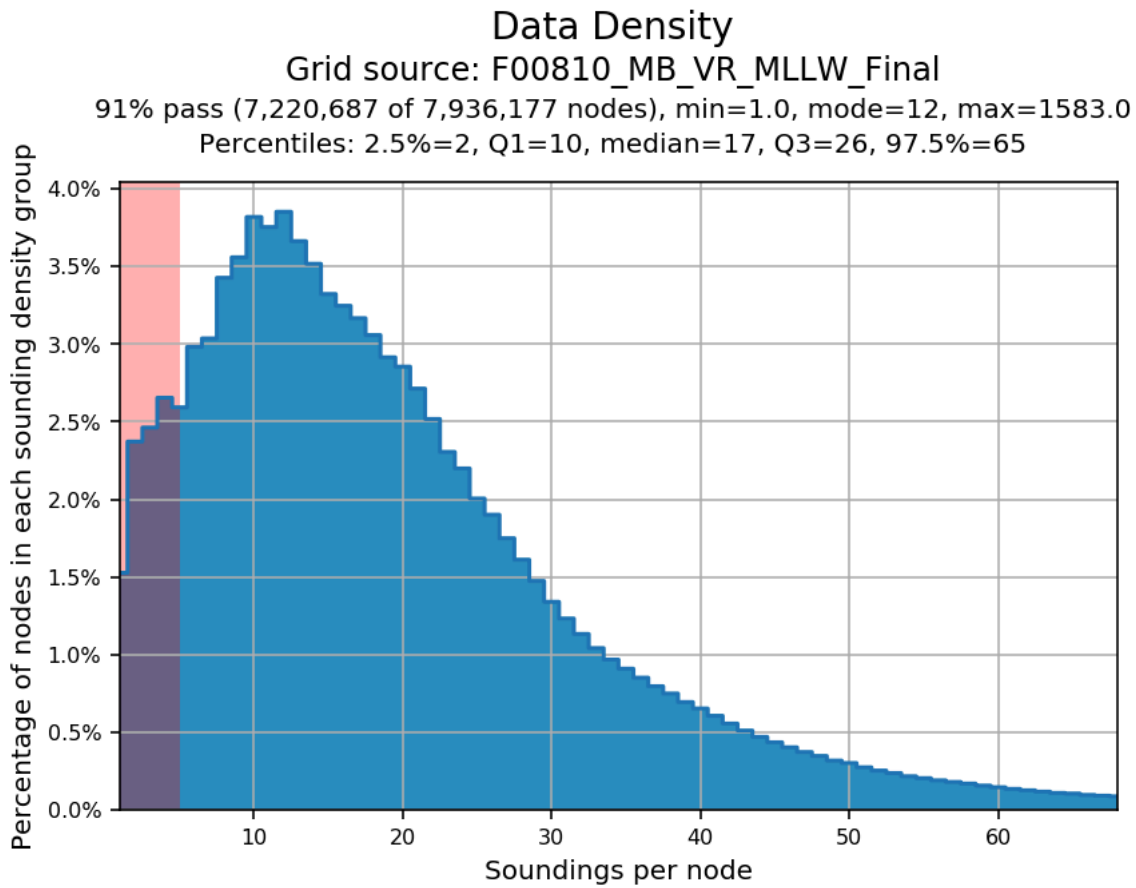
## E. Uncertainty

The surface was analyzed using the HydrOffice QC Tools Grid QA feature to determine compliance with specifications. Overall, 99.5+% of nodes within the surface meet NOAA allowable uncertainty specifications for F00810.



*Figure 3: F00810 allowable uncertainty statistics.*

*Office processing concluded that this survey only achieved 91% data density.*



*Figure 4: Pydro-derived plot showing density analysis of a finalized variable-resolution surface for survey F00810.*

**F. Results and Recommendations**

The following are the largest scale ENC's, which cover the survey area:

ENC	Scale	Edition	Update Application Date	Issue Date
US5NH01M	1:20000	27	06/15/2020	06/15/2020
US5NH02M	1:20000	32	08/25/2020	08/25/2020

The following surfaces and/or BAGs were submitted to the Processing Branch:

Surface Name	Surface Type	Resolution	Depth Range	Surface Parameter	Purpose
F00810_MB_1m_MLLW	CARIS Raster Surface (CUBE)	1 m	-1.044 m - 25.855 m	NOAA_1m	Complete MBES
F00810_MB_1m_MLLW_Final	CARIS Raster Surface (CUBE)	1 m	-1.044 m - 25.855 m	NOAA_1m	Complete MBES

The NOAA CUBE parameters defined in the HSSD were used for the creation of all CUBE surfaces for F00810. The surfaces have been reviewed where noisy data, or "fliers" are incorporated into the gridded solutions causing the surface to be shoaler or deeper than the true sea floor. Where these spurious soundings cause the gridded surface to vary from the reliably measured seabed by greater than the maximum allowable Total Vertical Uncertainty at that depth, the noisy data have been rejected by the hydrographer and the surface recomputed.

Flier Finder, part of the QC Tools package within HydrOffice, was used to assist the search for spurious soundings following gross cleaning.

## G. Vertical and Horizontal Control

The vertical datum for this project is Mean Lower Low Water. The vertical control method used was VDatum.

The vertical datum for this project is Mean Lower Low Water.

ERS methods were used as the final means of reducing F00810 to MLLW for submission.

The horizontal datum for this project is North American Datum of 1983 (NAD 83). The projection used for this project is Universal Transverse Mercator (UTM) Zone 19.

The horizontal datum for this project is North American Datum of 1983 (NAD 83)

The projection used for this project is Universal Transverse Mercator (UTM) Zone 19.

## H. Additional Results

### Search for Wreck Within Navigable Channel

After reviewing the data and searching for any new DTONs or uncharted wrecks, it was determined that the 14 foot aluminum StarCraft vessel is not located in bounds of the navigable channel.

*Office verification revealed the location of the vessel within the bounds of the navigable channel and was located downstream of the charted and reported location, approximately 64m south of navigation aid light R #4.*

### Chart Comparison

A comparison was performed between survey F00810 and ENC's US5NH01M and US5NH02M using CARIS BDB. Soundings were overlaid on the ENC to assess the difference between the surveyed soundings and charted depths. The ENC was compared to the surface by extracting soundings from the chart and creating an interpolated TIN surface which could be differenced with the surface from F00810. In general, surveyed soundings agree with the majority of charted depths.

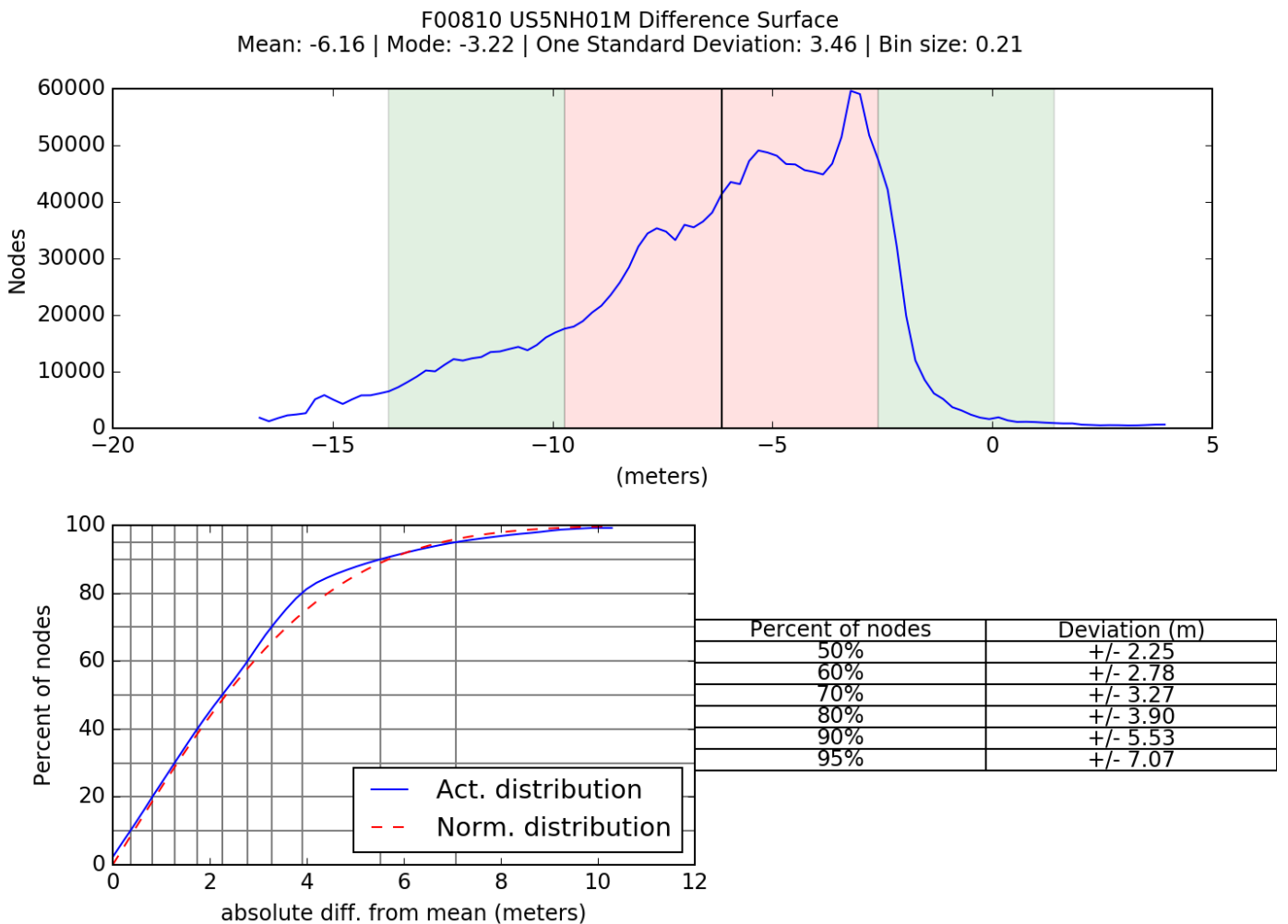


Figure 5: F00810 and ENC US5NH01M Difference Statistics.



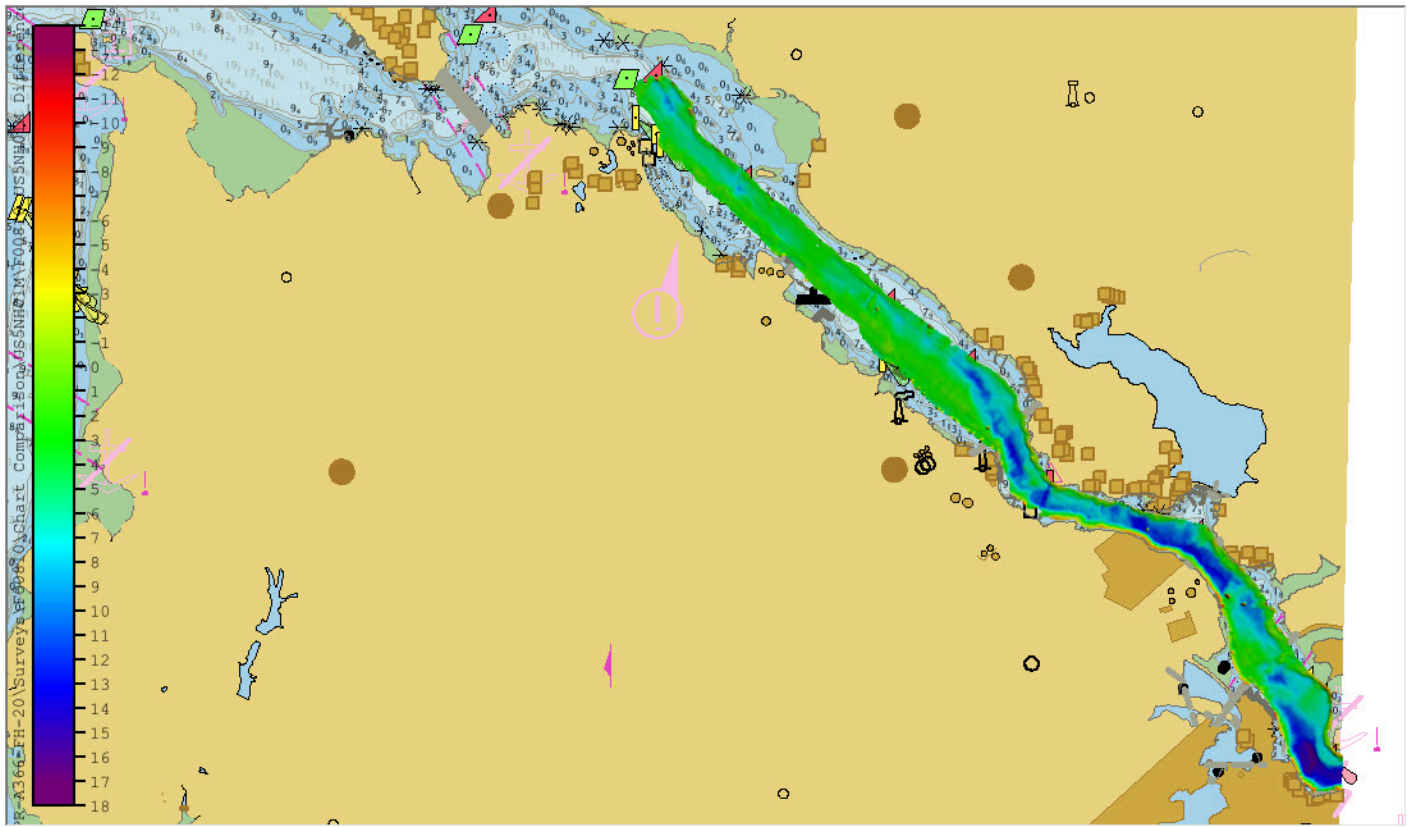


Figure 6: F00810 and ENC US5NH01M Difference Mosaic.

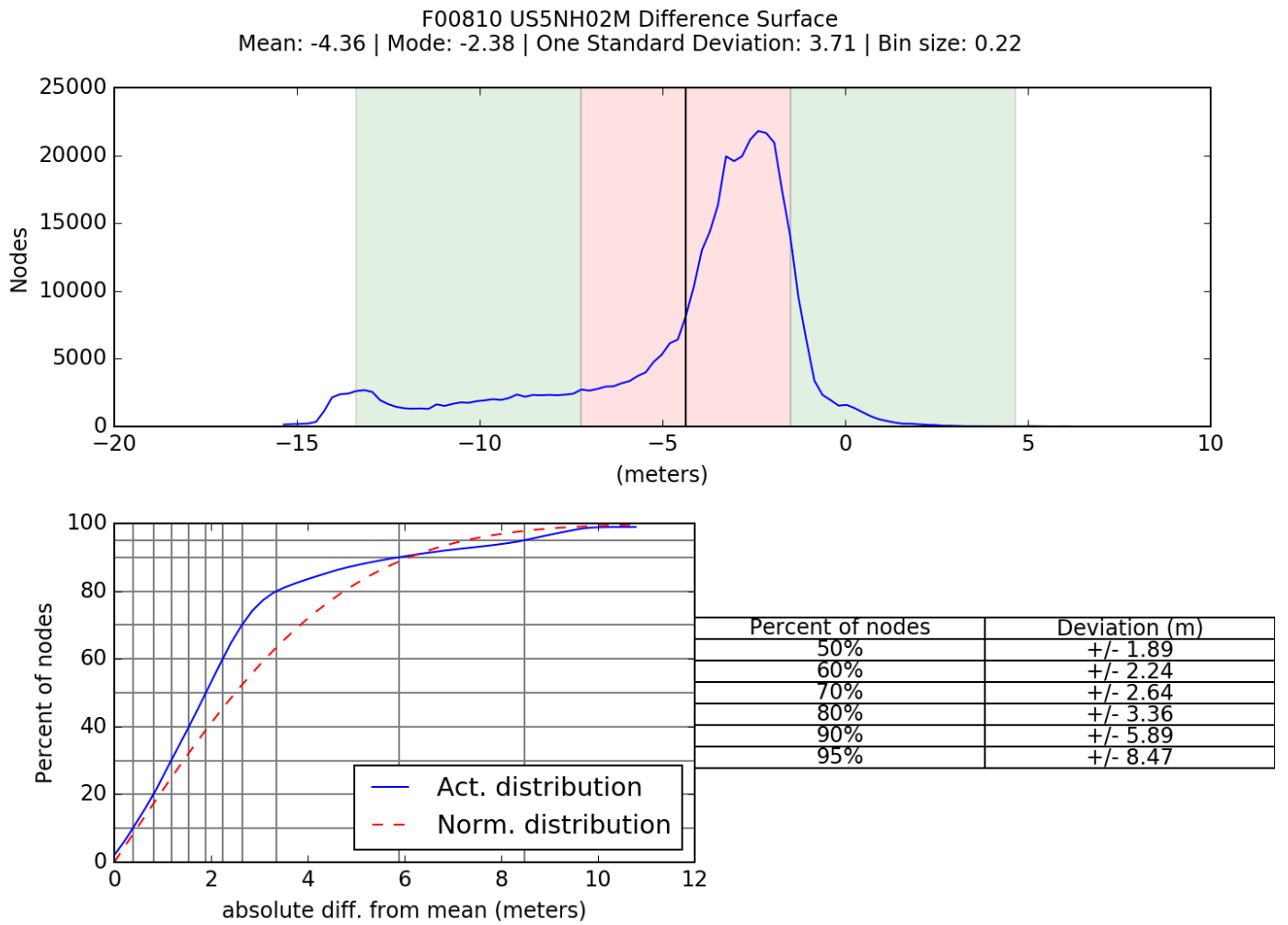


Figure 7: F00810 and ENC US5NH02M Difference Statistics.

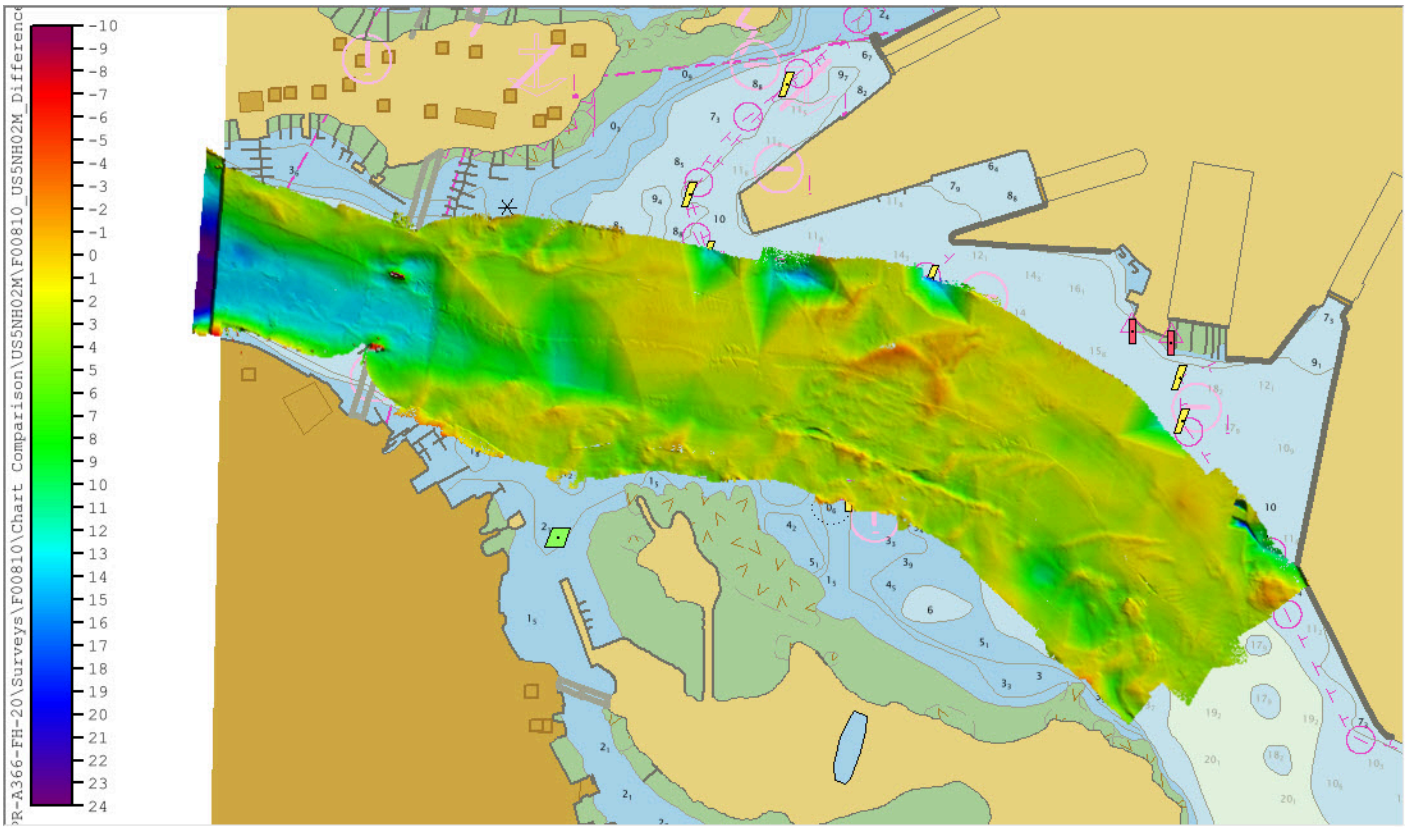


Figure 8: F00810 and ENC US5NH02M Difference Mosaic.

## I. Approval

As Chief of Party, field operations for this hydrographic survey were conducted under my direct supervision, with frequent personal checks of progress and adequacy. I have reviewed the attached survey data and reports.

All field sheets, this Survey Summary Report, and all accompanying records and data are approved. All records are forwarded for final review and processing to the Processing Branch.

The survey data meets or exceeds requirements as set forth in the NOS Hydrographic Surveys Specifications and Deliverables, Field Procedures Manual, Standing and Letter Instructions, and all HSD Technical Directives. These data are adequate to supersede charted data in their common areas. This survey is complete and no additional work is required with the exception of deficiencies noted in the Survey Summary Report.

Approver Name	Title	Date	Signature
LCDR Megan Guberski	Chief of Party	09/21/2020	GUBERSKI.MEGAN.REBECCA.1283261189 Digitally signed by GUBERSKI.MEGAN.REBECCA.1283261189 Date: 2020.10.23 10:16:58 -04'00'
LT Steven Wall	Field Operations Officer	09/21/2020	WALL.STEVEN.JAMES.1459978298 Digitally signed by WALL.STEVEN.JAMES.1459978298 Date: 2020.12.14 13:10:05 Z

**From:** [Castle Parker - NOAA Federal](#)  
**To:** [OCS NDB - NOAA Service Account](#)  
**Cc:** ["AHB Chief - NOAA Service Account"](#); [NorthEast NavManager - NOAA Service Account](#); ["Colleen Roche - NOAA Federal"](#); [Martha Herzog - NOAA Federal](#); [Starla Robinson - NOAA Federal](#); ["Alexandra Dawson - NOAA Federal"](#)  
**Subject:** F00810 Anti-DtoN Submission to NDB  
**Date:** Monday, February 22, 2021 7:34:00 AM  
**Attachments:** [F00810 Anti-DtoNs.zip](#)

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Good day,

Please find attached compressed file for survey F00810 part of project OPR-A366-FH-19 with common coverage in the Piscataqua River, New Hampshire. The survey was conducted at the request of the USCG and the local Pilots to confirm the existence and status. The Anti-DtoN submission includes two charted features, a reported Obstruction and a Wreck PA where the existence was disproved and recommended for chart removal/deletion based upon the disproval coverage. This submission to Nautical Data Branch (NDB) and Marine Chart Division (MCD) is intended for chart deletion.

The information originates from a NOAA field unit and was noted during the Survey Acceptance Review conducted by Atlantic Hydrographic Branch (AHB). The contents of the attached file were generated at AHB and have been verified per the survey data during survey verification. The attached file contains a DtoN Letter (PDF), associated image files, and a Pydro XML file.

If you have any questions, please contact me [via email](#) or phone 757-477-1393. Thank you for your assistance with this matter.

Regards,  
Gene

*Castle Eugene Parker  
NOAA Office of Coast Survey  
Atlantic Hydrographic Branch  
Hydrographic Team Lead / Physical Scientist  
[castle.e.parker@noaa.gov](mailto:castle.e.parker@noaa.gov)  
office (757) 364-7472  
mobile (757) 477-1393*



## Wreck Investigation - Piscataqua River

11 messages

Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>

Tue, Jun 30, 2020 at 4:52 PM

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

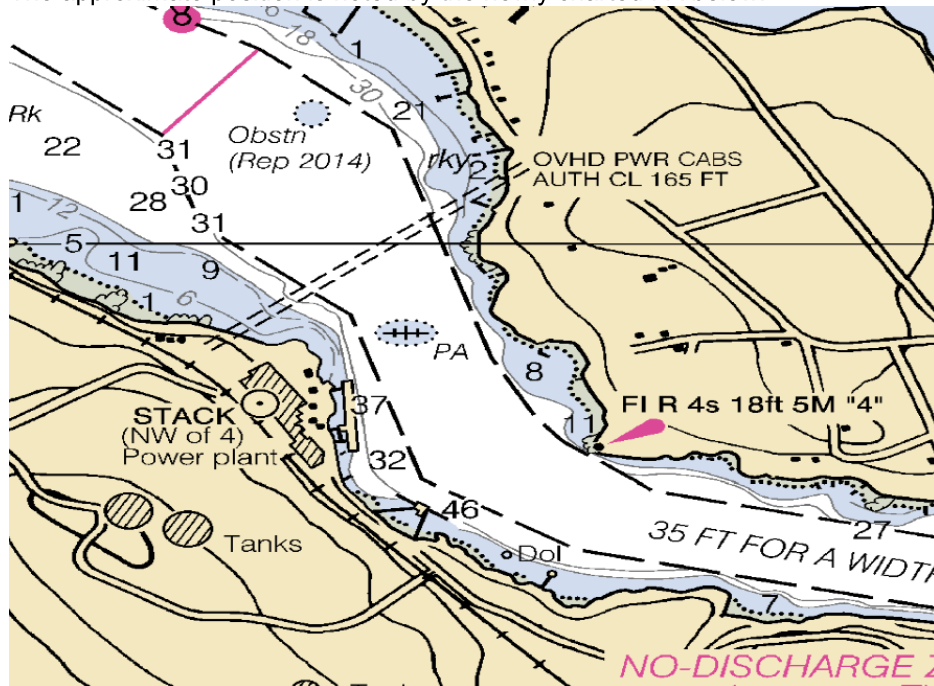
Cc: Alexandra Dawson - NOAA Federal <alexandra.dawson@noaa.gov>, "OPS.Ferdinand Hassler - NOAA Service Account" <OPS.Ferdinand.Hassler@noaa.gov>

We've received a request from the USCG through Colleen Roche to survey a wreck in the river a few miles upstream from New Castle. Colleen is actively attempting to schedule a call with the USCG for more information. (The USCG Sector Northern New England just rotated last week.) What we know so far: on May 24, a 14 foot aluminum StarCraft sank with the USCG recording the vessel location to be near where they pulled 3 people out of the water. The USCG is concerned as the vessel may be in the bounds of the nav channel. They have not found it washed up on the shore in their patrols.

We would like the FH to conduct a wreck investigation after reconstitution, before heading back out to Mistaken Ground. The latest I heard is that the earliest date for FH to start project work would be in August. Is this correct? Alex Dawson is working on the environmental compliance and a survey area. We'll likely give this an F number and associate it with the Mistaken Ground project.

Please let me know if you have any questions or concerns,  
Martha

The approximate position is noted by the newly charted PA below:



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Martha Herzog  
Chief (Acting) | Operations Branch  
Hydrographic Surveys Division | Office of Coast Survey  
240-533-0028 (w)  
206-658-3649 (c)

**CO.Ferdinand Hassler - NOAA Service Account** <co.ferdinand.hassler@noaa.gov>

Tue, Jun 30, 2020 at 5:02 PM

To: Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>

Cc: Alexandra Dawson - NOAA Federal <alexandra.dawson@noaa.gov>, "OPS.Ferdinand Hassler - NOAA Service Account" <OPS.Ferdinand.Hassler@noaa.gov>

Hi Martha,

Acknowledged. Standing by for an F-number. Are you going to give us an outline, or just the last known GPS coordinate?

Megan

Lieutenant Commander Megan R. Guberski  
Commanding Officer, NOAA Ship *Ferdinand R. Hassler* (S-250)  
CO cell: (206) 661-6985  
Ship's VIOP: (541) 867-8935  
Sat Phone: (808) 851-3826

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**Martha Herzog - NOAA Federal** <martha.herzog@noaa.gov>

Tue, Jun 30, 2020 at 5:10 PM

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

Cc: Alexandra Dawson - NOAA Federal <alexandra.dawson@noaa.gov>, "OPS.Ferdinand Hassler - NOAA Service Account" <OPS.Ferdinand.Hassler@noaa.gov>

We'll provide an outline but are waiting to get a little more info from the USCG so we don't wind up surveying more than needed. I wasn't given any coordinates (just a MS Paint dot on a chart), but the ENC PA should be the position. Hopefully Coleen will be able to schedule a call soon.

[Quoted text hidden]

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

Tue, Jul 7, 2020 at 12:42 PM

To: Charles Corea - NOAA Federal <charles.corea@noaa.gov>

LT Steven Wall  
Operations Officer, NOAA Ship FERDINAND R. HASSLER  
ship's cell: [603-812-8748](tel:603-812-8748) \* VOIP: [541-867-8935](tel:541-867-8935) \* irridium: [808-851-3826](tel: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

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**Alexandra Dawson - NOAA Federal** <alexandra.dawson@noaa.gov>

Mon, Jul 20, 2020 at 5:16 PM

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

Cc: Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>, Starla Robinson - NOAA Federal <Starla.Robinson@noaa.gov>, Colleen Roche - NOAA Federal <colleen.roche@noaa.gov>

Good Afternoon,


Attached is the CSF and PRF for the Piscataqua River Vessel Search. I would like to schedule a meeting as soon as possible to get everyone on the same page and solidify these plans. If you are available after 2 pm today, please let me know and I will debrief everyone then.

Thank you,  
Alex

Alexandra Dawson  
Physical Scientist  
National Oceanic & Atmospheric Administration  
Office of Coast Survey | Operations Branch  
1315 East West Highway, Room 6110  
Silver Spring, MD 20910  
Office: (240) 847-8224  
Cell: (803) 767-3644  
[alexandra.dawson@noaa.gov](mailto:alexandra.dawson@noaa.gov)

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 **OPR-A366-FH-19\_PiscataquaRiver.zip**  
316K

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**CO.Ferdinand Hassler - NOAA Service Account** <co.ferdinand.hassler@noaa.gov> Mon, Jul 20, 2020 at 6:30 PM  
To: Alexandra Dawson - NOAA Federal <alexandra.dawson@noaa.gov>  
Cc: "OPS.Ferdinand Hassler - NOAA Service Account" <OPS.Ferdinand.Hassler@noaa.gov>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>, Starla Robinson - NOAA Federal <Starla.Robinson@noaa.gov>, Colleen Roche - NOAA Federal <colleen.roche@noaa.gov>

Alexandra,

Thank you for the files. We need a bit of time to look over the outline. Can we do tomorrow? The ship is free 0900-1000 ETD, and again after 1100.

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**Alexandra Dawson - NOAA Federal** <alexandra.dawson@noaa.gov> Mon, Jul 20, 2020 at 6:38 PM  
To: "CO.Ferdinand Hassler - NOAA Service Account" <co.ferdinand.hassler@noaa.gov>  
Cc: "OPS.Ferdinand Hassler - NOAA Service Account" <OPS.Ferdinand.Hassler@noaa.gov>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>, Starla Robinson - NOAA Federal <Starla.Robinson@noaa.gov>, Colleen Roche - NOAA Federal <colleen.roche@noaa.gov>

Hi Megan,

Tomorrow is packed for everyone. Looks like the next available schedule slot for everyone is Wednesday at 11am. If you have questions before then, please reach out and I'd be happy to answer them.

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**CO.Ferdinand Hassler - NOAA Service Account** <co.ferdinand.hassler@noaa.gov> Mon, Jul 20, 2020 at 6:43 PM  
To: Alexandra Dawson - NOAA Federal <alexandra.dawson@noaa.gov>  
Cc: "OPS.Ferdinand Hassler - NOAA Service Account" <OPS.Ferdinand.Hassler@noaa.gov>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>, Starla Robinson - NOAA Federal <Starla.Robinson@noaa.gov>, Colleen Roche - NOAA Federal <colleen.roche@noaa.gov>

Sounds good. Thanks!

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**Alexandra Dawson - NOAA Federal** <alexandra.dawson@noaa.gov> Fri, Jul 24, 2020 at 3:33 PM  
To: "CO.Ferdinand Hassler - NOAA Service Account" <co.ferdinand.hassler@noaa.gov>



Cc: "OPS.Ferdinand Hassler - NOAA Service Account" <OPS.Ferdinand.Hassler@noaa.gov>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>, Starla Robinson - NOAA Federal <Starla.Robinson@noaa.gov>, Colleen Roche - NOAA Federal <colleen.roche@noaa.gov>

Good Morning All,

Below are the main points that were discussed in Wednesday's meeting.

Project: OPR-A366-FH-19, Mistaken Ground.

Sheet: F00810

Scale: 1:5000

SNM: ~1

**Requirements:**

- DR summary
- Object detection multibeam coverage for the assigned area provided in the PRF(see additional information section below)
- Feature investigation per the provided CSF (see additional information section below)
- Chart comparison
- Survey to ellipse via provided VDatum SEP model
- Report findings and progress at the end of two days

**Background:**

The United States Coast Guard contacted NOAA Hydrographic Surveys Division to search for a missing 14 ft aluminum StarCraft in the Piscataqua River. USCG believes that the missing vessel may have sunk within the federal channel, which poses a threat to marine traffic. This vessel search will piggyback off of the Mistaken Ground project, and should be included within OPR-A366-FH-19 under F00810.

**Additional information:**

Conduct two days of survey, prioritizing the channel. If the feature investigations become a time constraint and hinder the ability to survey in less than two days, please contact me, Alex Dawson. If the *Ferdinand Hassler* discovers object(s) which have the potential to be the sunken vessel, please contact Alex Dawson, Starla Robinson as the Project Manager of Mistaken Ground, as well as the Navigation Manager, Colleen Roche. Additionally, please CC all three mentioned above on any DTON reports.

Attached is the VDatum separation model, Coast Pilot Report, an updated CSF and PRF, and graphic.

Please let me know if you have any questions.

Respectfully,  
Alex


Alexandra Dawson  
Physical Scientist  
National Oceanic & Atmospheric Administration  
Office of Coast Survey | Operations Branch  
1315 East West Highway, Room 6110  
Silver Spring, MD 20910  
Office: (240) 847-8224  
Cell: (803) 767-3644  
[alexandra.dawson@noaa.gov](mailto:alexandra.dawson@noaa.gov)

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**4 attachments**

 **Piscataqua River CSF PRF.zip**  
312K

 **PiscataquaVDatum.zip**  
52K

 **PiscataquaRiverVesselSearch.pdf**  
438K

 **OPR-A366-FH-19 Piscataqua River.doc**  
718K

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**OPS.Ferdinand Hassler - NOAA Service Account** <ops.ferdinand.hassler@noaa.gov>  
To: Charles Corea - NOAA Federal <charles.corea@noaa.gov>

Mon, Sep 7, 2020 at 7:48 AM

LT Steven Wall  
Operations Officer, NOAA Ship FERDINAND R. HASSLER  
ship's cell: [603-812-8748](tel:603-812-8748) \* VOIP: [541-867-8935](tel:541-867-8935) \* irridium: [808-851-3826](tel: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

----- Forwarded message -----  
From: **Martha Herzog - NOAA Federal** <[martha.herzog@noaa.gov](mailto:martha.herzog@noaa.gov)>  
Date: Tue, Jun 30, 2020 at 4:53 PM  
Subject: Wreck Investigation - Piscataqua River  
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[Quoted text hidden]

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**OPS.Ferdinand Hassler - NOAA Service Account** <ops.ferdinand.hassler@noaa.gov>  
To: Charles Corea - NOAA Federal <charles.corea@noaa.gov>

Sun, Sep 13, 2020 at 5:48 AM

LT Steven Wall  
Operations Officer, NOAA Ship FERDINAND R. HASSLER  
ship's cell: [603-812-8748](tel:603-812-8748) \* VOIP: [541-867-8935](tel:541-867-8935) \* irridium: [808-851-3826](tel:808-851-3826)

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[29 Wentworth Rd](#)  
[New Castle, NH 03854](#)


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


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**4 attachments**

**Piscataqua River CSF PRF.zip**

 312K

 **PiscataquaVDatum.zip**  
52K

 **PiscataquaRiverVesselSearch.pdf**  
438K

 **OPR-A366-FH-19 Piscataqua River.doc**  
718K



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## F00810 Survey Outline

2 messages

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**OPS.Ferdinand Hassler - NOAA Service Account** <ops.ferdinand.hassler@noaa.gov> Fri, Aug 7, 2020 at 10:09 PM  
To: Alexandra Dawson - NOAA Federal <alexandra.dawson@noaa.gov>, Colleen Roche - NOAA Federal <colleen.roche@noaa.gov>, \_NOS OCS HSD Progress Sketches <progress.sketches@noaa.gov>  
Cc: Starla Robinson - NOAA Federal <Starla.Robinson@noaa.gov>, "CO.Ferdinand Hassler - NOAA Service Account" <co.ferdinand.hassler@noaa.gov>

Good Evening,

I hope this message finds you well.

Please see the attached survey outline for F00810. I apologize that this is coming out beyond 24hrs since last MS acquisition - preparing for USCG and ABS inspection on board with a relatively lean survey staff. I intend to send you a better outline after I finish the gross cleaning, but thought it better to get you something since it was getting later.

At any rate, we will continue to process and analyze the data.

V/r,  
-Steve W.

LT Steven Wall  
Operations Officer, NOAA Ship FERDINAND R. HASSLER  
ship's cell: [603-812-8748](tel:603-812-8748) \* VOIP: [541-867-8935](tel:541-867-8935) \* irridium: [808-851-3826](tel: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

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 **F00810\_Survey\_Outline.000**  
4350K

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**Brian Mohr - NOAA Federal** <brian.mohr@noaa.gov>  
To: "OPS.Ferdinand Hassler - NOAA Service Account" <ops.ferdinand.hassler@noaa.gov>

Fri, Aug 21, 2020 at 11:38 AM

Thank you, I will get survey outline **F00810** appended into SURDEX shortly.

Brian Mohr  
Data Manager  
Hydrographic Surveys Division  
[brian.mohr@noaa.gov](mailto:brian.mohr@noaa.gov)

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**OPR-A366-FH-19, F00802**

2 messages

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**OPS.Ferdinand Hassler - NOAA Service Account** <ops.ferdinand.hassler@noaa.gov> Tue, Dec 15, 2020 at 11:24 AM  
To: "NODC.Submissions" <NODC.Submissions@noaa.gov>

Good Morning,

I hope this message finds you well, and that you and your family had a peaceful Thanksgiving holiday.

Please see the attached compressed file containing water column data (.nc files) for OPR-A366-FH-19, sheet F00802.


Very Respectfully,  
-Steve W.

LT Steven Wall  
Operations Officer, NOAA Ship FERDINAND R. HASSLER  
ship's cell: [603-812-8748](tel:603-812-8748) \* VOIP: [541-867-8935](tel:541-867-8935) \* iridium: [808-851-3826](tel: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

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 **OPR-A366-FH-19\_F00802.zip**  
71K

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**OPS.Ferdinand Hassler - NOAA Service Account** <ops.ferdinand.hassler@noaa.gov> Tue, Dec 15, 2020 at 11:25 AM  
To: "NODC.Submissions" <NODC.Submissions@noaa.gov>

Good Morning,

Please revise the just sent email - the sheet is F00810, NOT F00802. My apologies - it's early.

V/r,  
-Steve W  
LT Steven Wall  
Operations Officer, NOAA Ship FERDINAND R. HASSLER  
ship's cell: [603-812-8748](tel:603-812-8748) \* VOIP: [541-867-8935](tel:541-867-8935) \* iridium: [808-851-3826](tel: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

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## Marine Mammal Training List

1 message

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**XO.Ferdinand Hassler - NOAA Service Account** <xo.ferdinand.hassler@noaa.gov>

Sat, Aug 29, 2020 at 3:49 PM

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

LT Wall,

Here is the list of people who have confirmed that they watched the Marine Mammal Training video.

LCDR Guberski  
LCDR Doig  
LT Wall  
LT Brinkley  
AB Randy Scott  
AB Harrison Bruce  
PS Colin Stewart  
PS Charles Corea

Respectfully,

LCDR Michael E. Doig, NOAA  
Executive Officer  
NOAA Ship *Ferdinand R. Hassler*

Personal Cell - (347) 891-2685  
Ship Cell - (603) 812-8748  
Ship VoIP - (541) 867-8935  
Ship Iridium - (808) 851-3826

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[29 Wentworth Road](#)  
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### **Mailing Address**

PO Box 638  
New Castle, NH 03854

APPROVAL PAGE

F00810

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

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