D00242

NOAA Form 76-35A

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

DESCRIPTIVE REPORT

Type of Survey: Natural Disaster Response

Registry Number: D00242

LOCALITY

State: Florida

General Locality: Pensacola

Sub-locality: Pensacola

2017

CHIEF OF PARTY
James Kirkpatrick

LIBRARY & ARCHIVES

Date:

NOAA FORM 77-28 (11-72)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	REGISTRY NUMBER:
HYDROGRAPHIC TITLE SHEET		**D00242**

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:	**Florida**
General Locality:	**Pensacola**
Sub-Locality:	**Pensacola**
Scale:	1: **10,000**
Dates of Survey:	**10/09/2017**
Instructions Dated:	
Project Number:	**S-J926-NRT2-17**
Field Unit:	**Navigation Response Team 2**
Chief of Party:	**James Kirkpatrick**
Soundings by:	**Multibeam Echo Sounder**
Imagery by:	**Side Scan Sonar**
Verification by:	**Pacific Hydrographic Branch**
Soundings Acquired in:	**meters at Mean Lower Low Water**

Remarks:

The purpose of this survey was to respond to requests for hydrographic surveys to reopen the channels in Pensacola, FL due to the effects of Hurricane Nate. The data contains spurious depths that were not cleaned during processing and should be examined thoroughly by the end user before being incorporated. All pertinent records for this survey, including the DR, are archived at the National Centers for Envitronmental Information (NCEI) and can be retrieved via http://www.ncei.noaa.gov/.

DESCRIPTIVE REPORT MEMO

March 27, 2018

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: James Kirkpatrick
Team Lead, Navigation Response Team 2, Navigation Response Team 2

SUBJECT: Submission of Suvey D00242

The purpose of this survey is to respond to requests for hydrographic surveys to reopen the channels in Pensacola, FL, due to the effects of Hurricane Nate. 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 data from this survey are not intended to meet NOAA charting specifications, and are not intended to be applied to the nautical chart with the exception of hazards to navigation (i.e., DToNs), subject to branch review. As such, the field unit should submit a DR Memo in lieu of an XML Descriptive Report.

Products were provided to NRB Team Lead, who distributed to Army Corps of Engineers.

Soundings were reduced to Mean Lower Low Water (MLLW) using observed tides from 8729840 and tide zones provided by CO-OPS from a 2017 survey of this area J926NRT22017.tc .

All survey systems and methods utilized during this survey were as described in S-J926-NRT2_DAPR.xml. The port transducer on the Edgetech 4125 SSS was found to be damaged upon arrival to the response. The repair report is attached in Appendix II of this Descriptive Report Memo.

There were no DTONs created for this survey.

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

During Hurricane Nate the Pensacola area recorded no winds over hurricane strength. NRT2 surveyed the main shipping channel and harbor turning basin to clear the area of any obstructions or shoaling that may have occurred. No shoaling or obstructions were found. The port side transducer of the Edgetech 4125 SSS was found to be damaged during the survey. A mosaic using just the starboard channel was examined and coverage was better than expected. When combined with multibeam at least 100% coverage was acquired in the entire channel.

This survey does not meet charting specifications and is not adequate to supersede prior data. Per project instructions this survey was not intended to supersede prior data.

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

Metadata for Survey D00242	
Project	S-J926_NRT2-17
Survey	D00242
State	Florida
Locality	Pensacola
Sub-Locality	Pensacola
Scale of Survey	1:10000
Sonars Used	Edgetech 4125 Side Scan Sonar Kongsberg EM2040C Multibeam Echosounder
Horizontal Datum	North American Datum 1983
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	
Projection	Projected UTM 16
Field Unit	Navigation Response Team 2
Survey Dates	10/09/2017
Chief of Party	James Kirkpatrick
Submission Date	03/27/2018

KIRKPATRICK.JAMES.LEROY.IV.1400487398

Digitally signed by KIRKPATRICK.JAMES.LEROY.IV.1400487398
Date: 2018.04.05 14:30:51 -04'00'

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

Back Bay Biloxi and Industrial Seaway

1 message

Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil> Mon, Oct 9, 2017 at 5:18 PM
To: "michael.davidson@noaa.gov" <michael.davidson@noaa.gov>, "chief.nrb.ocs@noaa.gov" <chief.nrb.ocs@noaa.gov>
Cc: "Reid, Stephen H CIV USARMY CESAM (US)" <Stephen.H.Reid@usace.army.mil>, "Register, Waylon T CIV USARMY CESAM (US)" <Waylon.T.Register@usace.army.mil>, Tim Osborn <tim.osborn@noaa.gov>

Michael/Jay

Steve Reid will be sending you files for Back Bay Biloxi and the Harrison County Industrial Seaway. (Basically one long channel, they run together) . We are proposing this channel for the vessel that is currently in Pensacola - when they finish.

The channel is mostly naturally deep (over 12 feet) except for the extreme west end of the Industrial Seaway, there is a turning basin and it will be really shoaled up.

Carl Dyess
Chief of Navigation
U.S. Army Corps of Engineers, Mobile District
251-690-2570

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

Biloxi Survey Files (UNCLASSIFIED)

1 message

Edwards, Matthew D CIV USARMY CESAM (US) <Matthew.D.Edwards@usace.army.mil> Mon, Oct 9, 2017 at 6:30 PM
To: "michael.davidson@noaa.gov" <michael.davidson@noaa.gov>, "chief.nrb.ocs@noaa.gov" <chief.nrb.ocs@noaa.gov>
Cc: "Dyess, Carl E CIV USARMY CESAM (US)" <Carl.E.Dyess@usace.army.mil>, "Reid, Stephen H CIV USARMY CESAM (US)" <Stephen.H.Reid@usace.army.mil>

CLASSIFICATION: UNCLASSIFIED

Please see attached files for Back Bay Biloxi and Harrison County.

Thanks,

Matthew Edwards

U.S. Army Corps of Engineers

Irvington Site Office, OP-GW

7861 13th Street

Irvington, AL 36544

Office: 251-957-4370

Cell: 251-298-6874

From: Rowell, Juliet T CIV USARMY CESAM (US)
Sent: Monday, October 9, 2017 5:20 PM
To: Edwards, Matthew D CIV USARMY CESAM (US) <Matthew.D.Edwards@usace.army.mil>
Subject: LINE FILES

CLASSIFICATION: UNCLASSIFIED

8 attachments

- **HC.lnw** 139K
- **HC.pln** 3K
- **CN1.lnw** 68K
- **CN1.pln** 4K

BBB1.lnw
244K

BBB1.pln
5K

BNB1.lnw
77K

BNB1.pln
13K

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

RE: [EXTERNAL] Fwd: NRT4 Generator issue - Gulfport

1 message

Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil> Tue, Oct 10, 2017 at 12:24 PM
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, Tim Osborn <tim.osborn@noaa.gov>, Dan Jacobs <dan.jacobs@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, "Register, Waylon T CIV USARMY CESAM (US)" <Waylon.T.Register@usace.army.mil>, "Reid, Stephen H CIV USARMY CESAM (US)" <Stephen.H.Reid@usace.army.mil>

Thanks for the update.

We will re-assess all survey assignments after the 1500 call. If need be we may need to send a different boat over there tomorrow. Thanks and stay in touch. Send data as soon as you get something usable.

Carl Dyess
Chief of Navigation
U.S. Army Corps of Engineers, Mobile District
251-690-2570

-----Original Message-----
From: Michael Davidson - NOAA Federal [mailto:michael.davidson@noaa.gov]
Sent: Tuesday, October 10, 2017 11:10 AM
To: Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>; Tim Osborn <tim.osborn@noaa.gov>; Dan Jacobs <dan.jacobs@noaa.gov>; James Kirkpatrick <james.kirkpatrick@noaa.gov>
Subject: [EXTERNAL] Fwd: NRT4 Generator issue - Gulfport

Carl,

I sent an email earlier and now realize I had a typo, so it didn't get through. I have an update on the status - they have pine needles clogging the entire intake from the hull to the strainer and they are packed in tight. They are in the process of back flushing now. Hopefully they will be able to get this resolved in short order and get back out on the water. This delay limits how much we will be able to get done out beyond Daymark 36 through Ship Island Pass today. We will get what we can.

R,
Mike

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From: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov <mailto:michael.davidson@noaa.gov> >
Date: Tue, Oct 10, 2017 at 11:58 AM
Subject: NRT4 Generator issue - Gulfport
To: carl.e.dyess@uasce.army.mil <mailto:carl.e.dyess@uasce.army.mil>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov <mailto:nsd.response@noaa.gov> >, Tim Osborn <tim.osborn@noaa.gov <mailto:tim.osborn@noaa.gov> >, Dan Jacobs <dan.jacobs@noaa.gov <mailto:dan.jacobs@noaa.gov> >, James Kirkpatrick <james.kirkpatrick@noaa.gov <mailto:james.kirkpatrick@noaa.gov> >

Carl,

NRT4 is experiencing a generator issue. They are troubleshooting now. They picked up some trash in their strainer, but after clearing that, and checking the impeller, they are still having problems. I will let you know if/when this issue is

resolved.

The team is still processing the data - they had a lot of good data, but there are wide spread data issues as well (as was the concern for Gulfport all along. I think we can get a product to you today, but the data QC is going to take longer than normal.

I will need to run this up my chain, but we can potentially relocate NRT2 to Gulfport if we can't get NRT4's generator issue resolved.

I will pass more information as the situation develops.

Best Regards,
Mike
--

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 <tel:(240)%20533-0058> office ***new office number***
757-771-5305 <tel:(757)%20771-5305> work cell

michael.davidson@noaa.gov <mailto:michael.davidson@noaa.gov>

--

Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey

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michael.davidson@noaa.gov <mailto:michael.davidson@noaa.gov>

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

RE: [EXTERNAL] NOAA NRT4 survey results Gulfport - data acquired 9OCT2017

1 message

Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil> Wed, Oct 11, 2017 at 7:26 AM
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, Dan Jacobs <dan.jacobs@noaa.gov>, Erin Diurba - NOAA Affiliate <erin.diurba@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>, Tim Osborn <tim.osborn@noaa.gov>

Thanks Michael

This looks good, will have the Irvington relook the concerning areas as you suggest.

Carl Dyess
Chief of Navigation
U.S. Army Corps of Engineers, Mobile District
251-690-2570

-----Original Message-----
From: Michael Davidson - NOAA Federal [mailto:michael.davidson@noaa.gov]
Sent: Tuesday, October 10, 2017 6:20 PM
To: Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>; Dan Jacobs <dan.jacobs@noaa.gov>; Erin Diurba - NOAA Affiliate <erin.diurba@noaa.gov>; Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>; Tim Osborn <tim.osborn@noaa.gov>
Subject: [EXTERNAL] NOAA NRT4 survey results Gulfport - data acquired 9OCT2017

Carl,

Attached is a pdf generated from the NRT4 survey of Gulfport. The team acquired 200% side scan data with concurrent multibeam bathymetry. Data were processed with preliminary observed tides and zoning. Areas where sidescan data were unreliable were reacquired today. The team reported no obstructions of concern on either day of data acquisition. If anything is found during post-processing, that information will be passed along immediately.

The soundings in the attached pdf are from multibeam data gridded at .5m resolution then exported as shoal biased data at a resolution appropriate for display on the charlet. There are a few 29' soundings that still came through near centerline. This is likely some of the fluff affecting the soundings. The soundings could not be ruled out with certainty from the data, so they remain in the sounding plot. It may be a good idea for R/V Irvington to investigate with its sonars tomorrow to verify or disprove the 29' depths since they will be surveying the bar channel.

The data in the attached chartlet have not received the QA/QC that NOAA surveys normally receive prior to going to the chart. This data is preliminary and not for navigation.

Please let me know if I can be of any further assistance.

V/R,
Mike

--

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 <mailto:michael.davidson@noaa.gov>

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

RE: [EXTERNAL] Fwd: NOAA NRT2 Pensacola survey

1 message

Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil> Wed, Oct 11, 2017 at 7:34 AM
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Tim Osborn <tim.osborn@noaa.gov>

Thanks for this one also.

Looks good - I am not real concerned about the skip area, that is a naturally deep section of the channel. When the Blackwater gets the results of their bar survey in today, we should be able to recommend opening.

Carl Dyess
Chief of Navigation
U.S. Army Corps of Engineers, Mobile District
251-690-2570

-----Original Message-----
From: Michael Davidson - NOAA Federal [mailto:michael.davidson@noaa.gov]
Sent: Tuesday, October 10, 2017 4:52 PM
To: Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>; James Kirkpatrick <james.kirkpatrick@noaa.gov>; Tim Osborn <tim.osborn@noaa.gov>
Subject: [EXTERNAL] Fwd: NOAA NRT2 Pensacola survey

Carl,

Attached, please find the pdf file for Pensacola from NRT2. It looks like there was a typo in your email address when CDR Lomnicky tried to send it earlier. Please let me know if there are any questions about the data.

Best Regards,
Mike

---------- Forwarded message ----------
From: Jay Lomnicky - NOAA Federal <chief.nrb.ocs@noaa.gov <mailto:chief.nrb.ocs@noaa.gov> >
Date: Tue, Oct 10, 2017 at 3:45 PM
Subject: NOAA NRT2 Pensacola survey
To: Carl.e.dyes@usace.army.mil <mailto:Carl.e.dyes@usace.army.mil>
Cc: Tim Osborn <tim.osborn@noaa.gov <mailto:tim.osborn@noaa.gov> >, Michael Davidson - NOAA Federal <michael.davidson@noaa.gov <mailto:michael.davidson@noaa.gov> >

Carl,
Please see the attached .pdf of NOAA NRT2's data from Harbor Channel out to buoy 14. The attached is a .pdf with our soundings using preliminary tides. In reviewing the data the team found no soundings shoaler than the channel tabulations and saw no dangerous contacts in the channel during acquisition.

Note that they followed Pickens Channel up to the turning basin and did not get coverage from Bay Channel connecting buoy 22, buoy 20, and buoy 18.

Please let us know if there are any specific questions that we can answer.

V/R,

CDR Jay Lomnicky

--

==========
HONOR RESPECT COMMITMENT
==========

CDR John "Jay" Lomnicky, NOAA
Chief, Navigation Response Branch
Navigation Services Division
NOAA Office of Coast Survey
(o) 240-533-0056 <tel:(240)%20533-0056> *NEW NUMBER*

(c) 202-641-1801 <tel:(202)%20641-1801>
chief.nrb.ocs@noaa.gov <mailto:chief.nrb.ocs@noaa.gov>
j <mailto:holly.jablonski@noaa.gov> ohn.lomnicky@noaa.gov <mailto:ohn.lomnicky@noaa.gov>

--

Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey

Navigation Response Branch

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

RE: [EXTERNAL] Fwd: NOAA NRT2 Pensacola survey

1 message

Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil> Wed, Oct 11, 2017 at 8:55 AM
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Tim Osborn <tim.osborn@noaa.gov>, "Register, Waylon T CIV USARMY CESAM (US)" <Waylon.T.Register@usace.army.mil>, "Reid, Stephen H CIV USARMY CESAM (US)" <Stephen.H.Reid@usace.army.mil>

Michael/Tim

Thanks again for your efforts.

While it is fresh on my mind, and after just reviewing both the Gulfport and Pensacola info you sent, I think it would helpful for us to conference call next week as a lessons learned. Both projects are showing 3-4 feet shallower than I would expect. As we speculated Gulfport is likely to be a result of fluff and Steve and I are contemplating how we are going to deal with that going forward, however, I am not sure why Pensacola is also shallow. If yall want to call sometime next week to discuss, I have a few other suggestions that may be helpful in future events.

Thanks again.

Carl Dyess
Chief of Navigation
U.S. Army Corps of Engineers, Mobile District
251-690-2570

-----Original Message-----
From: Michael Davidson - NOAA Federal [mailto:michael.davidson@noaa.gov]
Sent: Tuesday, October 10, 2017 4:52 PM
To: Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>; James Kirkpatrick <james.kirkpatrick@noaa.gov>; Tim Osborn <tim.osborn@noaa.gov>
Subject: [EXTERNAL] Fwd: NOAA NRT2 Pensacola survey

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Date: Tue, Oct 10, 2017 at 3:45 PM
Subject: NOAA NRT2 Pensacola survey
To: Carl.e.dyes@usace.army.mil <mailto:Carl.e.dyes@usace.army.mil>
Cc: Tim Osborn <tim.osborn@noaa.gov <mailto:tim.osborn@noaa.gov> >, Michael Davidson - NOAA Federal <michael.davidson@noaa.gov <mailto:michael.davidson@noaa.gov> >

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CDR Jay Lomnicky

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HONOR RESPECT COMMITMENT
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CDR John "Jay" Lomnicky, NOAA
Chief, Navigation Response Branch
Navigation Services Division
NOAA Office of Coast Survey
(o) 240-533-0056 <tel:(240)%20533-0056> *NEW NUMBER*

(c) 202-641-1801 <tel:(202)%20641-1801>
chief.nrb.ocs@noaa.gov <mailto:chief.nrb.ocs@noaa.gov>
j <mailto:holly.jablonski@noaa.gov> ohn.lomnicky@noaa.gov <mailto:ohn.lomnicky@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***
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757-771-5305 work cell

michael.davidson@noaa.gov <mailto:michael.davidson@noaa.gov>

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

Fwd: NRT4 Generator issue - Gulfport

1 message

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov> Tue, Oct 10, 2017 at 12:10 PM
To: carl.e.dyess@usace.army.mil
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, Tim Osborn <tim.osborn@noaa.gov>, Dan Jacobs <dan.jacobs@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>

Carl,

I sent an email earlier and now realize I had a typo, so it didn't get through. I have an update on the status - they have pine needles clogging the entire intake from the hull to the strainer and they are packed in tight. They are in the process of back flushing now. Hopefully they will be able to get this resolved in short order and get back out on the water. This delay limits how much we will be able to get done out beyond Daymark 36 through Ship Island Pass today. We will get what we can.

R,
Mike

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From: **Michael Davidson - NOAA Federal** <michael.davidson@noaa.gov>
Date: Tue, Oct 10, 2017 at 11:58 AM
Subject: NRT4 Generator issue - Gulfport
To: carl.e.dyess@uasce.army.mil
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, Tim Osborn <tim.osborn@noaa.gov>, Dan Jacobs <dan.jacobs@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>

Carl,

NRT4 is experiencing a generator issue. They are troubleshooting now. They picked up some trash in their strainer, but after clearing that, and checking the impeller, they are still having problems. I will let you know if/when this issue is resolved.

The team is still processing the data - they had a lot of good data, but there are wide spread data issues as well (as was the concern for Gulfport all along. I think we can get a product to you today, but the data QC is going to take longer than normal.

I will need to run this up my chain, but we can potentially relocate NRT2 to Gulfport if we can't get NRT4's generator issue resolved.

I will pass more information as the situation develops.

Best Regards,
Mike
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Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey
Navigation Response Branch
1315 East West Hwy, SSMC3, Sta 6216 ***new station number***
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240-533-0058 office ***new office number***
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michael.davidson@noaa.gov

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

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

Re: [EXTERNAL] Fwd: NRT4 Generator issue - Gulfport

1 message

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov> Tue, Oct 10, 2017 at 5:21 PM
To: "Dyess, Carl E CIV USARMY CESAM (US)" <Carl.E.Dyess@usace.army.mil>

Good evening Carl,

I realize that you are probably still working on vessel assignments for tomorrow. Can you give me a call at 240-888-0130 once assignments are determined?

Thanks,
Mike

On Tue, Oct 10, 2017 at 12:24 PM, Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil> wrote:

> Thanks for the update.
>
> We will re-assess all survey assignments after the 1500 call. If need be we may need to send a different boat over there tomorrow. Thanks and stay in touch. Send data as soon as you get something usable.
>
> Carl Dyess
> Chief of Navigation
> U.S. Army Corps of Engineers, Mobile District
> 251-690-2570
>
> -----Original Message-----
> From: Michael Davidson - NOAA Federal [mailto:michael.davidson@noaa.gov]
> Sent: Tuesday, October 10, 2017 11:10 AM
> To: Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil>
> Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>; Tim Osborn <tim.osborn@noaa.gov>; Dan Jacobs <dan.jacobs@noaa.gov>; James Kirkpatrick <james.kirkpatrick@noaa.gov>
> Subject: [EXTERNAL] Fwd: NRT4 Generator issue - Gulfport
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> Carl,
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> Mike
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> Date: Tue, Oct 10, 2017 at 11:58 AM
> Subject: NRT4 Generator issue - Gulfport
> To: carl.e.dyess@uasce.army.mil <mailto:carl.e.dyess@uasce.army.mil>
> Cc: _NOS OCS NSD Response <nsd.response@noaa.gov <mailto:nsd.response@noaa.gov> >, Tim Osborn <tim.osborn@noaa.gov <mailto:tim.osborn@noaa.gov> >, Dan Jacobs <dan.jacobs@noaa.gov <mailto:dan.jacobs@noaa.gov> >, James Kirkpatrick <james.kirkpatrick@noaa.gov <mailto:james.kirkpatrick@noaa.gov> >

Carl,

NRT4 is experiencing a generator issue. They are troubleshooting now. They picked up some trash in their strainer, but after clearing that, and checking the impeller, they are still having problems. I will let you know if/when this issue is resolved.

The team is still processing the data - they had a lot of good data, but there are wide spread data issues as well (as was the concern for Gulfport all along. I think we can get a product to you today, but the data QC is going to take longer than normal.

I will need to run this up my chain, but we can potentially relocate NRT2 to Gulfport if we can't get NRT4's generator issue resolved.

I will pass more information as the situation develops.

Best Regards,
Mike
--

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 <tel:(240)%20533-0058> office ***new office number***
757-771-5305 <tel:(757)%20771-5305> work cell

michael.davidson@noaa.gov <mailto:michael.davidson@noaa.gov>

--

Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey

Navigation Response Branch

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michael.davidson@noaa.gov

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

Fwd: NOAA NRT2 Pensacola survey

1 message

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov> Tue, Oct 10, 2017 at 5:52 PM
To: "Dyess, Carl E CIV USARMY CESAM (US)" <carl.e.dyess@usace.army.mil>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Tim Osborn <tim.osborn@noaa.gov>

Carl,

Attached, please find the pdf file for Pensacola from NRT2. It looks like there was a typo in your email address when CDR Lomnicky tried to send it earlier. Please let me know if there are any questions about the data.

Best Regards,
Mike

---------- Forwarded message ----------
From: **Jay Lomnicky - NOAA Federal** <chief.nrb.ocs@noaa.gov>
Date: Tue, Oct 10, 2017 at 3:45 PM
Subject: NOAA NRT2 Pensacola survey
To: Carl.e.dyes@usace.army.mil
Cc: Tim Osborn <tim.osborn@noaa.gov>, Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>

Carl,
Please see the attached .pdf of NOAA NRT2's data from Harbor Channel out to buoy 14. The attached is a .pdf with our soundings using preliminary tides. In reviewing the data the team found no soundings shoaler than the channel tabulations and saw no dangerous contacts in the channel during acquisition.

Note that they followed Pickens Channel up to the turning basin and did not get coverage from Bay Channel connecting buoy 22, buoy 20, and buoy 18.

Please let us know if there are any specific questions that we can answer.

V/R,
CDR Jay Lomnicky

--
==========
HONOR RESPECT COMMITMENT
==========
CDR John "Jay" Lomnicky, NOAA
Chief, Navigation Response Branch
Navigation Services Division
NOAA Office of Coast Survey
(o) 240-533-0056 *NEW NUMBER*
(c) 202-641-1801
chief.nrb.ocs@noaa.gov
john.lomnicky@noaa.gov

--
Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey
Navigation Response Branch
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240-533-0058 office ***new office number***
757-771-5305 work cell
michael.davidson@noaa.gov

NRT2_Pensacola_Post_Nate.pdf
5029K

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

NOAA NRT4 survey results Gulfport - data acquired 9OCT2017

1 message

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov> Tue, Oct 10, 2017 at 7:20 PM
To: "Dyess, Carl E CIV USARMY CESAM (US)" <carl.e.dyess@usace.army.mil>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, Dan Jacobs <dan.jacobs@noaa.gov>, Erin Diurba - NOAA Affiliate <erin.diurba@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>, Tim Osborn <tim.osborn@noaa.gov>

Carl,

Attached is a pdf generated from the NRT4 survey of Gulfport. The team acquired 200% side scan data with concurrent multibeam bathymetry. Data were processed with preliminary observed tides and zoning. Areas where sidescan data were unreliable were reacquired today. The team reported no obstructions of concern on either day of data acquisition. If anything is found during post-processing, that information will be passed along immediately.

The soundings in the attached pdf are from multibeam data gridded at .5m resolution then exported as shoal biased data at a resolution appropriate for display on the charlet. There are a few 29' soundings that still came through near centerline. This is likely some of the fluff affecting the soundings. The soundings could not be ruled out with certainty from the data, so they remain in the sounding plot. It may be a good idea for R/V Irvington to investigate with its sonars tomorrow to verify or disprove the 29' depths since they will be surveying the bar channel.

The data in the attached chartlet have not received the QA/QC that NOAA surveys normally receive prior to going to the chart. This data is preliminary and not for navigation.

Please let me know if I can be of any further assistance.

V/R,
Mike

--
Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey
Navigation Response Branch
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NOAA_NRT4_9OCT2017_Gulfport_HurricaneResponse.pdf
1203K

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

Re: [EXTERNAL] Fwd: NOAA NRT2 Pensacola survey

1 message

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov> Wed, Oct 11, 2017 at 10:06 AM
To: "Dyess, Carl E CIV USARMY CESAM (US)" <Carl.E.Dyess@usace.army.mil>
Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Tim Osborn <tim.osborn@noaa.gov>, "Register, Waylon T CIV USARMY CESAM (US)" <Waylon.T.Register@usace.army.mil>, "Reid, Stephen H CIV USARMY CESAM (US)" <Stephen.H.Reid@usace.army.mil>

Carl,

Thank you for the feedback on the depth comparisons. We have several lessons learned from the responses to Harvey, Irma, Maria, and now Nate. These are new boats and new teams, and we are aware of many areas where we can make improvements moving forward. We have several improvements that we plan to implement over the next few months. I look forward to discussing the response with you and hearing your thoughts on ways we may be able to improve in joint operating scenarios in the future.

Best Regards,
Mike

On Wed, Oct 11, 2017 at 8:55 AM, Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil> wrote:

> Michael/Tim
>
> Thanks again for your efforts.
>
> While it is fresh on my mind, and after just reviewing both the Gulfport and Pensacola info you sent, I think it would helpful for us to conference call next week as a lessons learned. Both projects are showing 3-4 feet shallower than I would expect. As we speculated Gulfport is likely to be a result of fluff and Steve and I are contemplating how we are going to deal with that going forward, however, I am not sure why Pensacola is also shallow. If yall want to call sometime next week to discuss, I have a few other suggestions that may be helpful in future events.
>
> Thanks again.
>
> Carl Dyess
> Chief of Navigation
> U.S. Army Corps of Engineers, Mobile District
> 251-690-2570
>
> -----Original Message-----
> From: Michael Davidson - NOAA Federal [mailto:michael.davidson@noaa.gov]
> Sent: Tuesday, October 10, 2017 4:52 PM
> To: Dyess, Carl E CIV USARMY CESAM (US) <Carl.E.Dyess@usace.army.mil>
> Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>; James Kirkpatrick <james.kirkpatrick@noaa.gov>; Tim Osborn <tim.osborn@noaa.gov>
> Subject: [EXTERNAL] Fwd: NOAA NRT2 Pensacola survey
>
> Carl,
>
> Attached, please find the pdf file for Pensacola from NRT2. It looks like there was a typo in your email address when CDR Lomnicky tried to send it earlier. Please let me know if there are any questions about the data.
>
> Best Regards,
> Mike
>
> ---------- Forwarded message ----------
> From: Jay Lomnicky - NOAA Federal <chief.nrb.ocs@noaa.gov <mailto:chief.nrb.ocs@noaa.gov> >

Date: Tue, Oct 10, 2017 at 3:45 PM
Subject: NOAA NRT2 Pensacola survey
To: Carl.e.dyes@usace.army.mil <mailto:Carl.e.dyes@usace.army.mil>
Cc: Tim Osborn <tim.osborn@noaa.gov <mailto:tim.osborn@noaa.gov> >, Michael Davidson - NOAA Federal <michael.davidson@noaa.gov <mailto:michael.davidson@noaa.gov> >

Carl,
Please see the attached .pdf of NOAA NRT2's data from Harbor Channel out to buoy 14. The attached is a .pdf with our soundings using preliminary tides. In reviewing the data the team found no soundings shoaler than the channel tabulations and saw no dangerous contacts in the channel during acquisition.

Note that they followed Pickens Channel up to the turning basin and did not get coverage from Bay Channel connecting buoy 22, buoy 20, and buoy 18.

Please let us know if there are any specific questions that we can answer.

V/R,
CDR Jay Lomnicky

--

==========
HONOR RESPECT COMMITMENT
==========

CDR John "Jay" Lomnicky, NOAA
Chief, Navigation Response Branch
Navigation Services Division
NOAA Office of Coast Survey
(o) 240-533-0056 <tel:(240)%20533-0056> *NEW NUMBER*

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chief.nrb.ocs@noaa.gov <mailto:chief.nrb.ocs@noaa.gov>
j <mailto:holly.jablonski@noaa.gov> ohn.lomnicky@noaa.gov <mailto:ohn.lomnicky@noaa.gov>

--

Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey

Navigation Response Branch

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APPROVAL PAGE

D00242

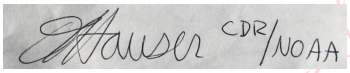
Data did not meet current specifications as determined by the OCS survey acceptance review process. The survey did not meet specifications mainly due to the minimal data cleaning and processing associated with a response survey not intended to be used for chart updates. The survey will not be applied to NOAA charting products.

The following products will be sent to NCEI for archive:

- D00242_DR.pdf
- 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 to current OCS specifications and procedures.

The survey has not been approved for chart updates. The data will be archived at NCEI so that it can be made available for other uses.

Approved: 

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CDR Olivia Hauser, NOAA
Chief, Pacific Hydrographic Branch