

D00239

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: D00239

LOCALITY

State: Florida

General Locality: Tampa Bay

Sub-locality: Tampa Bay

2017

CHIEF OF PARTY
James Kirkpatrick

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

D00239

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: **Tampa Bay**

Sub-Locality: **Tampa Bay**

Scale: **1:10,000**

Dates of Survey: **09/14/2017 to 09/15/2017**

Instructions Dated: **09/27/2017**

Project Number: **S-J928-NRT2-17**

Field Unit: **Navigation Response Team 2**

Chief of Party: **James Kirkpatrick**

Soundings by: **Multibeam Echo Sounder**

Imagery by: **Multibeam Echo Sounder Acoustic Backscatter**

Verification by: **Pacific Hydrographic Branch**

Soundings Acquired in: **meters at Mean Lower Low Water**

Remarks:

The purpose of this survey is to respond to requests for hydrographic surveys to reopen the channels in Tampa Bay due to the effects of Hurricane Irma. Any revisions to the Descriptive Report (DR) generated during office processing are shown in bold red italic text. The processing branch maintains the DR as a field unit product, therefore, all information and recommendations within the body of the DR are considered preliminary unless otherwise noted. The final disposition of surveyed features is represented in the OCS nautical chart update products. All pertinent records for this survey, including the DR, are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via <http://www.ncei.noaa.gov/>.

****This data contains spurious depths that were not cleaned during processing and should be examined thoroughly by the end user before being incorporated.*

DESCRIPTIVE REPORT MEMO

October 25, 2017

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: James Kirkpatrick
Acting Team Lead,

SUBJECT: NRT2 Submission of Survey
D00239

The purpose of this survey is to respond to requests for hydrographic surveys to reopen the channels in Tampa Bay due to the effects of Hurricane Irma. 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 USACOE and 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.

Preliminary products were provided directly to the navigation manager and USACOE representative.

Soundings were reduced to Mean Lower Low Water (MLLW) using observed tides from 8773037, 8773259, 8773701, 8774230, 8775237, 8775296, 8775792, 8776604, 8777812, 8779748, 8779749 and 8779770 and TCARI provided by CO-OPS from a 2017 survey of this area G916NRBTJFH2017_TampaBay .tc.

All survey systems and methods utilized during this survey were as described in S-G918-NRT2-17_DAPR.xml. Exception - Due to inferior data quality from Hypack Side Scan NRT2 made a decision to log the SSS straight to .jsf using Edgetech Discover2. We knew that the navigation was not set up to write into the .jsf file and thought that there would be a simple way to post apply the nav data into the .jsf. This turned out to not be the case as Caris could not convert the data without navigation. After several attempts with Caris to correct the problem we were not able to make the fix work. The side scan data was observed in real time at all times and no significant contacts were found. The raw SSS data is submitted with the project.

There were no DTONs created for this survey.

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

NRT2 was tasked with surveying several portions of the Tampa Bay shipping channel to verify that no shoaling nor obstructions had encroached into the channel during the passing of Hurricane Irma. No obstructions or shoaling were found in the surveyed areas.

This survey does not meet charting specifications and is not adequate to supersede prior data. Survey was not intended to supersede prior data with the exception of dangers to navigation, per project instructions.

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

Metadata for Survey D00239	
Project	S-J918-NRT2-17
Survey	D00239
State	Florida
Locality	Tampa Bay
Sub-Locality	Tampa Bay
Scale of Survey	1:10000
Sonars Used	Edgetech 4125 Side Scan Sonar Kongsberg EM2040C Multibeam Echosounder
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	TCARI
Projection	UTM Zone 17N
Field Unit	NRT2
Survey Dates	09/14/2017 - 09/15/2017
Chief of Party	James Kirkpatrick
Submission Date	10/25/2017

KIRKPATRICK.JAMES.LEROY.IV.1400487398 Digitally signed by
KIRKPATRICK.JAMES.LEROY.IV.140
0487398
Date: 2018.04.05 14:32:44 -04'00'



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : February 01, 2018

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: S-J918-NRT2-2017
HYDROGRAPHIC SHEET: D00239

LOCALITY: Tampa Bay, Florida
TIME PERIOD: September 14-15, 2017

TIDE STATION USED: Port Manatee, FL 8726384
Lat. 27° 38.3' N Long. 82° 33.7' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.581 meters
TIDE STATION USED: St. Petersburg, FL 8726520
Lat. 27° 45.6' N Long. 82° 37.6' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.602 meters
TIDE STATION USED: Old Port Tampa, FL 8726607
Lat. 27° 51.5' Long. 82° 33.2'
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.652 meters
TIDE STATION USED: McKay Bay Entrance, FL 8726667
Lat. 27° 54.8' Long. 82° 25.5'
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.715 meters
TIDE STATION USED: Clearwater, FL 8726724
Lat. 27° 58.7' Long. 82° 49.9'
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.737 meters

REMARKS: RECOMMENDED Grid

Please use the TCARI grid "G916NRBTJFH2017_TampaBay.tc" as the final grid for project S-J918-NRT2-2017, D00239, during the time period between September 14 and September 15, 2017.

Refer to attachments for grid information.

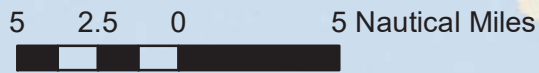
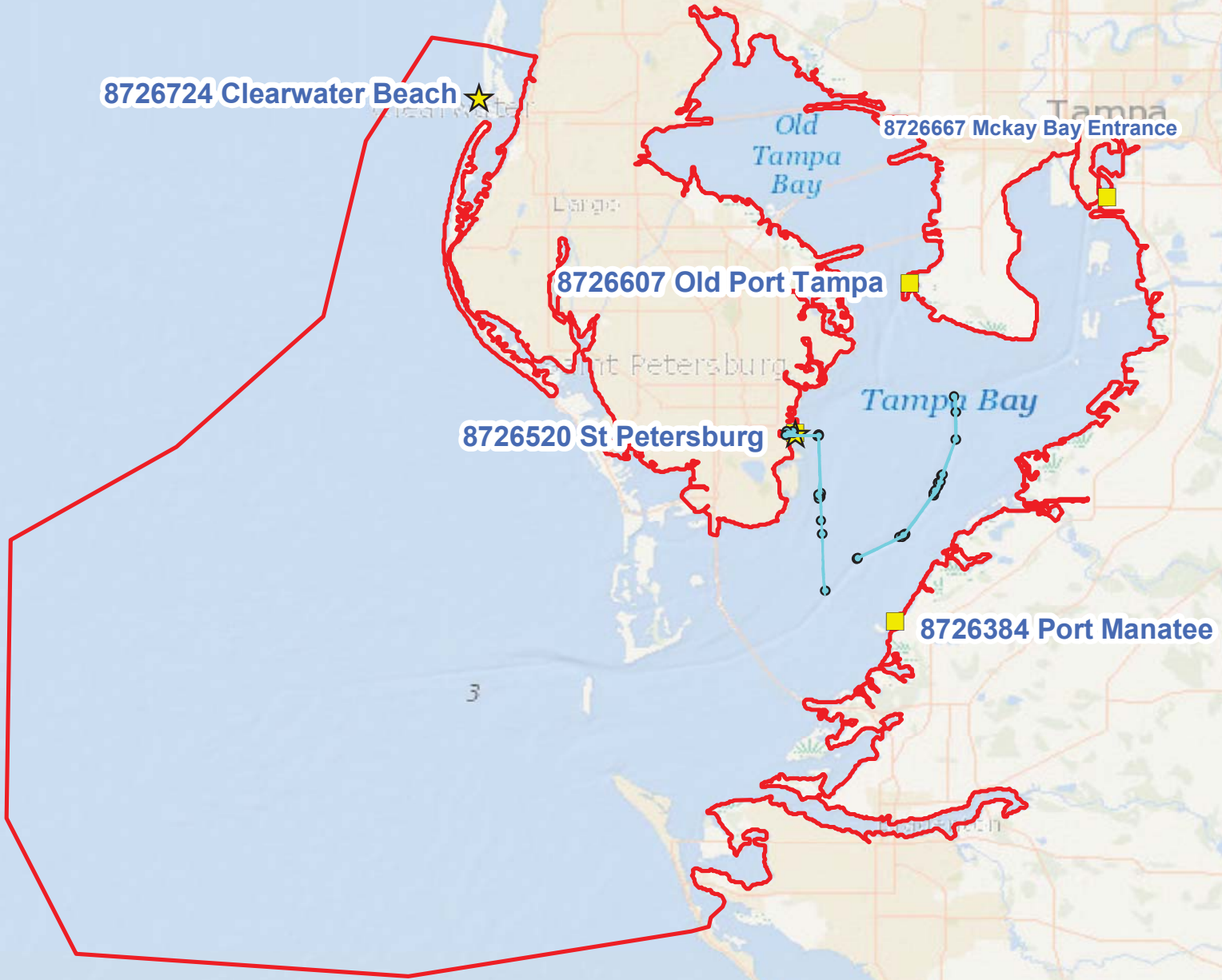
Note 1: Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the 1983-2001 National Tidal Datum Epoch (NTDE).

HOVIS.GERALD.THOMAS.JR.1365860250
Digitally signed by
HOVIS.GERALD.THOMAS.JR.136586
0250
Date: 2018.02.02 08:33:58 -05'00'

CHIEF, PRODUCTS AND SERVICES BRANCH



**Preliminary as Final TCARI Grid for S-J918-NRT2-2017, D00239
Tampa Bay, Florida**



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors, Sources: Esri, GEBCO, NOAA, National Geographic, DeLorme, HERE, Geonames.org, and other contributors



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

NRT5/NRT2 Tampa - St. Pete

9 messages

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

Wed, Sep 13, 2017 at 3:51 PM

To: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>

Cc: _NOS OCS NSD Response <nsd.response@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>

Dylan, James,

I am in contact with USACE and will be providing coordination between NRTs and USACE for Tampa - St. Pete survey efforts. Currently, I have survey assignment for NRT5 and will provide survey assignment for NRT2 as soon as the priority has been specified.

USACE is requesting a first pass in each area to acquire MB centerlines, with verbal on any obstructions observed. As soon as data are processed, they request the controlling depth observed in each cut based on the centerline MB data. Once acquisition on the CL for an assigned area is complete, teams should check in with me to find out if CL in another area is needed, or if the team should continue on with the quarters in their assigned areas.

When data are processed, USACE requests XYZ data in the following export parameters:

Horizontal distances in US Survey Feet and Sounding Rounding in US Survey Feet. Projection is NAD83 State Plane Florida West. Depths are in Feet at MLLW. For XYZ data, the export should be Eastings, Northings, Depth. Depths should be positive values.

We need to acquire data to object detection standards and review for contacts. This can be achieved via SSS or via MB. Features are best documented in a sounding plot (the attached .ppt template was used by NRT4 with great success during HARVEY). Teams can provide this to me and I will forward, archive, and enter in the tracking doc here at HQ. When providing the results of our surveys to USACE, a 3m grid seems to be a good balance between data density and file size for the XYZ products we send to USACE.

NRT5 - understand that you have completed Cuts A and B. Tomorrow, please run CL on Cuts C, D, E, and F first thing. Based on what I know about the areas, I would recommend starting at the north end of Cut F and working south. Depending on other assets surveying, you may be tasked with CL in Mullet Key Channel prior to finishing up Cuts C - F. TDB.

I realize this is a lot of detail. Please contact me with any questions.

Keep up the great work!

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



Chartlet_template_NRT_Hurricane Responses.pptx

1417K

Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>

Wed, Sep 13, 2017 at 4:00 PM

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

Cc: James Kirkpatrick <james.kirkpatrick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>

Mike,

This is the kind of tasking I was looking for and had in mind. I'm glad there was communication about what made sense because everything I was getting here from the army corps was vague.

Dylan

Sent from my iPhone

[Quoted text hidden]

<Chartlet_template_NRT_Hurricane Responses.pptx>

Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>

Wed, Sep 13, 2017 at 5:56 PM

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

Cc: James Kirkpatrick <james.kirkpatrick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>

Mike,

I fully expect for us to finish CL on Cuts A-F tomorrow. Do you want us to do a CL in to Port Manatee and then work on Mullet Cut? That makes sense to me, I saw lots of ships headed in the Port Manatee today.

-Dylan

[Quoted text hidden]

--

ENS Dylan A. Kosten

OIC NRT-5

Office: 860-271-2853

Work Cell: 718-702-8973

P-Cell: 609-408-5631

Address:

NOAA NRT-5

[1 Chelsea Street](#)

[New London, CT, 06320](#)

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

Wed, Sep 13, 2017 at 6:11 PM

To: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>

Cc: James Kirkpatrick <james.kirkpatrick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>

Dylan,

Just got off the phone with USACE Jax District Hydro Surveys. It sounds like USACE will have additional assets arriving soon and the USACE boat already there has reportedly repaired their generator. Modified tasking for 9/14 is below:

NRT5 - CL on Cuts C and D, then after report out of obstructions/no obstructions, continue with the quarters on either side of CL in Cuts C and D.

NRT2 - CL on Cuts E and F, then after report out of obstructions/no obstructions, continue with the quarters on either side of CL in Cuts E and F.

At this time, USACE is not concerned with the outer most set of lines (toes). When nearing completion of the tasking above, contact me for follow on tasking. This is still TBD based on which USACE assets are out on the water working tomorrow. However, I anticipate that NRT5 will shift down to Mullett Key Channel and NRT2 will do Port Manatee.

The USACE vessel is expected to start working Egmont 1 and 2 as soon as they can get underway. Other USACE assets are TBD. I am trying to establish coms with the A/E contractor reportedly working from Gadsden cut into the port of Tampa. I understand that there is also a Port Authority boat conducting survey ops inside the port as well. I hope to nail down the areas these assets have completed and areas they plan to do ASAP.

Let me know if you have any questions or concerns.

Thanks,
Mike
[Quoted text hidden]

Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov> Wed, Sep 13, 2017 at 7:05 PM
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
Cc: James Kirkpatrick <james.kirkpatrick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>

Mike,

If it's ok with you I'd much rather start at mullet when the weather is good in the morning and work in.

-Dylan

Sent from my iPhone
[Quoted text hidden]

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov> Thu, Sep 14, 2017 at 7:09 AM
To: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>
Cc: James Kirkpatrick <james.kirkpatrick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>

Roger that. Communicate with NRT2 as you progress. If they finish E and F before you get to Cut D, may need to pass that one off to them and put you on Port Manatee. Let's stay in touch through the day to coordinate.

Thanks,
Mike
[Quoted text hidden]

Chief NRB OCS - NOAA Service Account <chief.nrb.ocs@noaa.gov> Thu, Sep 14, 2017 at 8:26 AM
To: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>
Cc: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>

NRT2 didn't get to Tampa until almost 0100. I strongly support a delayed start to their day.

We need to figure out the brake situation and get into a shop before we plan on any more long distance towing.

jay
[Quoted text hidden]

--
=====
HONOR RESPECT COMMITMENT
=====
CDR John "Jay" Lomnicki, 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

James Crocker - NOAA Federal <james.m.crocker@noaa.gov>

Thu, Sep 14, 2017 at 8:33 AM

To: Chief NRB OCS - NOAA Service Account <chief.nrb.ocs@noaa.gov>

Cc: Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>, Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>

Concur. Thanks for the update.

[Quoted text hidden]

--

CAPT James Crocker, NOAA
Chief, Navigation Services Division
Office of Coast Survey
1315 East West Highway
Silver Spring, MD 20910
SSMC3, Room 6301
Work: 240-533-0095
Fax: 301-713-9312

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

Any mention of a commercial product is for informational purposes and does not constitute an endorsement by the U.S. Government or any of its employees or contractors.

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

Thu, Sep 14, 2017 at 8:34 AM

To: Chief NRB OCS - NOAA Service Account <chief.nrb.ocs@noaa.gov>

Cc: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Charles Rowland - NOAA Federal <charles.rowland@noaa.gov>

Roger all. I thought they were meeting at 9 and underway at 10. I told them it sounded good. Was a little surprised to see the float plan this early.

Sent from my iPhone

[Quoted text hidden]



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

Fwd: Manatee Harbor / Missing Buoy (UNCLASSIFIED)

4 messages

Lucy Hick - NOAA Federal <lucy.hick@noaa.gov>

Fri, Sep 15, 2017 at 11:38 AM

To: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>

Cc: Chief NRB OCS - NOAA Service Account <chief.nrb.ocs@noaa.gov>

NRT2/NRT5...

Can anyone provide an update on the search for the missing G buoy in Manatee harbor and whether the CL was clear of obstruction?

Thanks!
Lucy

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

From: **Boe, Michael J CIV USARMY CESAJ (US)** <Michael.J.Boe@usace.army.mil>

Date: Fri, Sep 15, 2017 at 11:09 AM

Subject: Manatee Harbor / Missing Buoy (UNCLASSIFIED)

To: "lucy.hick@noaa.gov" <lucy.hick@noaa.gov>

CLASSIFICATION: UNCLASSIFIED

Lucy,

I wanted to follow up on Manatee Harbor. I know your crew was going to go there and look for a missing g buoy and survey the channel. Were they able to do this or is it still on the schedule? If they did get it surveyed was the center line clear of obstruction?

Thanks for your help,

Mike

Michael Boe

michael.j.boe@usace.army.mil

Surveying and Mapping Branch

US Army Corps of Engineers

Attn: CESAJ-OD-H

[701 San Marco Boulevard](#)

[Jacksonville, FL 32207](#)

[Office: 904-232-1610](#)

[Cell: 904-708-7700](#)

CLASSIFICATION: UNCLASSIFIED

--

Lucy Hick

Technical Advisor
Navigation Services Division | Office of Coast Survey
National Oceanic & Atmospheric Administration
(240)533-0066 | Lucy.Hick@noaa.gov

James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov> Fri, Sep 15, 2017 at 12:07 PM
To: Lucy Hick - NOAA Federal <lucy.hick@noaa.gov>
Cc: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Chief NRB OCS - NOAA Service Account <chief.nrb.ocs@noaa.gov>

Lucy,

NRT2 has cleared the St. Pete channel and is working on the harbor now. Let you know soon if it is clear.

Best,

James

[Quoted text hidden]

--

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

Lucy Hick - NOAA Federal <lucy.hick@noaa.gov> Fri, Sep 15, 2017 at 12:08 PM
To: James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov>
Cc: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Chief NRB OCS - NOAA Service Account <chief.nrb.ocs@noaa.gov>

Thanks for the update James!

[Quoted text hidden]

James Kirkpatrick - NOAA Federal <james.kirkpatrick@noaa.gov> Fri, Sep 15, 2017 at 12:43 PM
To: Lucy Hick - NOAA Federal <lucy.hick@noaa.gov>

Harbor is clear as well.

[Quoted text hidden]



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

Fwd: Project Instructions for S-G916-NRBTJFH-2017 Hurricane Irma Response - Tampa Bay

2 messages

Christopher Hare - NOAA Federal <christopher.hare@noaa.gov> Thu, Sep 14, 2017 at 1:07 PM
To: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <James.Kirkpatrick@noaa.gov>
Cc: Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Erin Diurba - NOAA Affiliate <erin.diurba@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Michael Davidson <Michael.Davidson@noaa.gov>

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

From: **Dylan Kosten - NOAA Federal** <dylan.kosten@noaa.gov>
Date: Tue, Sep 12, 2017 at 6:31 PM
Subject: Re: Project Instructions for S-G916-NRBTJFH-2017 Hurricane Irma Response - Tampa Bay
To: Christopher Hare - NOAA Federal <christopher.hare@noaa.gov>

Chris,

Got them. We'll look them over tonight.

Dylan

Sent from my iPhone

On Sep 12, 2017, at 4:49 PM, Christopher Hare - NOAA Federal <christopher.hare@noaa.gov> wrote:

This is for your Tampa response. The project number is different because I put all the response request under one number instead of whole bunch.

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

From: **Hua Yang - NOAA Affiliate** <hua.yang@noaa.gov>
Date: Tue, Sep 12, 2017 at 4:21 PM
Subject: Project Instructions for S-G916-NRBTJFH-2017 Hurricane Irma Response - Tampa Bay
To: Chief NRB <chief.nrb.ocs@noaa.gov>, Corey Allen <Corey.allen@noaa.gov>, "christopher.hare@noaa.gov" <Christopher.Hare@noaa.gov>, Andrew Clos - NOAA Federal <andrew.clos@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>
Cc: Gerald Hovis <gerald.hovis@noaa.gov>, "_NOS.CO-OPS.HTP" <nos.coops.hpt@noaa.gov>

<image.png>

DATE: 09/12/2017
MEMORANDUM FOR: CDR John Lomnicky
Chief, Navigation Response Branch N/CS53
FROM: Gerald Hovis
Chief, Products and Services Branch, N/OPS3
SUBJECT: Delivery of Tide Requirements for Hydrographic Surveys

Tide requirements for hydrographic survey project S-G916-NRBTJFH-2017 Hurricane Irma Response_TampaBay are attached to this email. Six minute preliminary data for Port Manatee, FL

(8726384), St Petersburg, FL (8726520), Old Port Tampa, FL (8726607), McKay Bay Entrance, FL (8726667), and Clearwater Beach, FL (8726724), may be retrieved in one month increments over the internet from the CO-OPS SOAP web services at <http://opendap.co-ops.nos.noaa.gov/axis/text.html> by clicking on "Six Minute Data". A zip file containing the TCARI file, Project Instructions document, and graphic is also posted to the SharePoint under the project name S-G916-NRBTJFH-2017.

Best regards,

Hua Yang

Hydrographic Planning Team
NOAA/National Ocean Service
Center for Operational Oceanographic Products and Services
Station 7128
1305 East West Highway, SSMC4
Silver Spring, MD 20910
Office: 240-533-0612
Email: Hua.Yang@noaa.gov
Web: <http://tidesandcurrents.noaa.gov/>

Hydro Hot List: <http://tidesandcurrents.noaa.gov/hydro.shtml>

 **G916NRBTJFH2017_TampaBay.zip**
6093K

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov> Thu, Sep 14, 2017 at 1:48 PM
To: Dylan Kosten - NOAA Federal <dylan.kosten@noaa.gov>, James Kirkpatrick <James.Kirkpatrick@noaa.gov>
Cc: Alex Ligon - NOAA Federal <alex.c.ligon@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>, Erin Diurba - NOAA Affiliate <erin.diurba@noaa.gov>, Eli Smith - NOAA Federal <eli.r.smith@noaa.gov>, Christopher Hare - NOAA Federal <christopher.hare@noaa.gov>

FYI - The TCARI file that has been requested is included in the zip file containing the PIs, just in case that was clear from Chris's email.

Thanks,
Mike

[Quoted text hidden]

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

NOAA NRT2 XYZ data Hurricane Irma response - State Plane Florida W, US Survey FT, Depths MLLW in FT

1 message

Michael Davidson - NOAA Federal <michael.davidson@noaa.gov> Tue, Oct 3, 2017 at 12:14 PM
To: "Boe, Michael J CIV USARMY CESAJ (US)" <Michael.J.Boe@usace.army.mil>
Cc: "Mihalik, William R CIV USARMY CESAJ (US)" <William.R.Mihalik@usace.army.mil>, "Brodehl, Brian K SAJ" <Brian.K.Brodehl@usace.army.mil>, Tim Osborn <tim.osborn@noaa.gov>, _NOS OCS NSD Response <nsd.response@noaa.gov>, Kyle Ward <kyle.ward@noaa.gov>, James Kirkpatrick <james.kirkpatrick@noaa.gov>, Lucas Blass - NOAA Affiliate <lucas.blass@noaa.gov>

Mike,


Attached is the XYZ data from NRT2 which covers Cuts C, D, E, F, and St Pete Channel and Turning Basin. The attached XYZ data is projected to State Plane Florida West, ground units in US Survey Feet, Depths at MLLW in Feet. Data were processed with verified tides and represent the sea floor on the date of survey. This survey was a response survey and is not intended for navigation.

Please contact me with any questions or concerns regarding this dataset.

V/R,
Mike

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Michael C. Davidson
Operations Manager
NOAA Office of Coast Survey
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 **NOAA_NRT2_14092017_to_15092017_Tampa_XYZ_NAD83_StatePlane_FL_W_US_SurveyFT_depths_FT_MLLW.txt**
7223K

APPROVAL PAGE

D00239

Data did not meet current specifications as determined by the OCS survey acceptance review process. The survey did not meet specifications mainly due to water level corrector errors, inadequate roll error correction, residual SV error. The survey will not be applied to NOAA charting products.

The following products will be sent to NCEI for archive:

- D00239_DR.pdf
- Processed survey data and records
- GeoPDF
- BAGs
- Backscatter Mosaics

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: _____

CDR Olivia Hauser, NOAA
Chief, Pacific Hydrographic Branch