

F00729

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

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: F00729

LOCALITY

State(s): Puerto Rico

General Locality: San Juan and Ponce and Vicinities, Puerto Rico

Sub-locality: Yabucoa

2018

CHIEF OF PARTY
Christiaan van Westendorp, CAPT/NOAA

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

F00729

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): **Puerto Rico**

General Locality: **San Juan and Ponce and Vicinities, Puerto Rico**

Sub-Locality: **Yabucoa**

Scale: **5000**

Dates of Survey: **09/26/2018**

Project Number: **OPR-I369-TJ-18**

Data Source: **NOAA Ship *Thomas Jefferson***

Chief of Party: **Christiaan van Westendorp, CAPT/NOAA**

Soundings by: **Multibeam Echo Sounder**

Imagery by: **Multibeam Echo Sounder Backscatter**

Verification by: **Atlantic Hydrographic Branch**

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

Remarks:

The purpose of this survey is to provide contemporary data to update National Oceanic and Atmospheric Administration (NOAA) nautical charts. 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 surveyed features 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 20N, 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 F00729	
Project	OPR-I369-TJ-18
Survey	F00729
State	Puerto Rico
Locality	San Juan and Ponce and Vicinities, Puerto Rico
Sub Locality	Yabucoa
Scale of Survey	1:5000
Sonars Used	Kongsberg Maritime EM 2040 (MBES)
Horizontal Datum	World Geodetic System (WGS) 1984
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	VDatum
Projection	Projected UTM 20
Field Unit	NOAA Ship <i>Thomas Jefferson</i>
Survey Dates	09/26/2018
Chief of Party	Christiaan van Westendorp, CAPT/NOAA

A. Area Surveyed

Hydrographic survey F00729 is located in the vicinity of Yabucoa, Puerto Rico (Figure 1). Complete Coverage (Option A) requirements were met in accordance with the requirements defined in Project Instructions OPR-I369-TJ-18. The area surveyed did not include certain portions of the assigned sheet limits area (to the north east of the northern harbor jetty and in the deep areas at the harbor channel entrance), but all navigationally significant areas were addressed.

Data were acquired within the following survey limits (Table 1):

Northwest Limit	Southeast Limit
18° 3' 21.02" N 65° 50' 22.28" W	18° 2' 14.66" N 65° 48' 10.67" W

Table 1: Extents of survey F00729

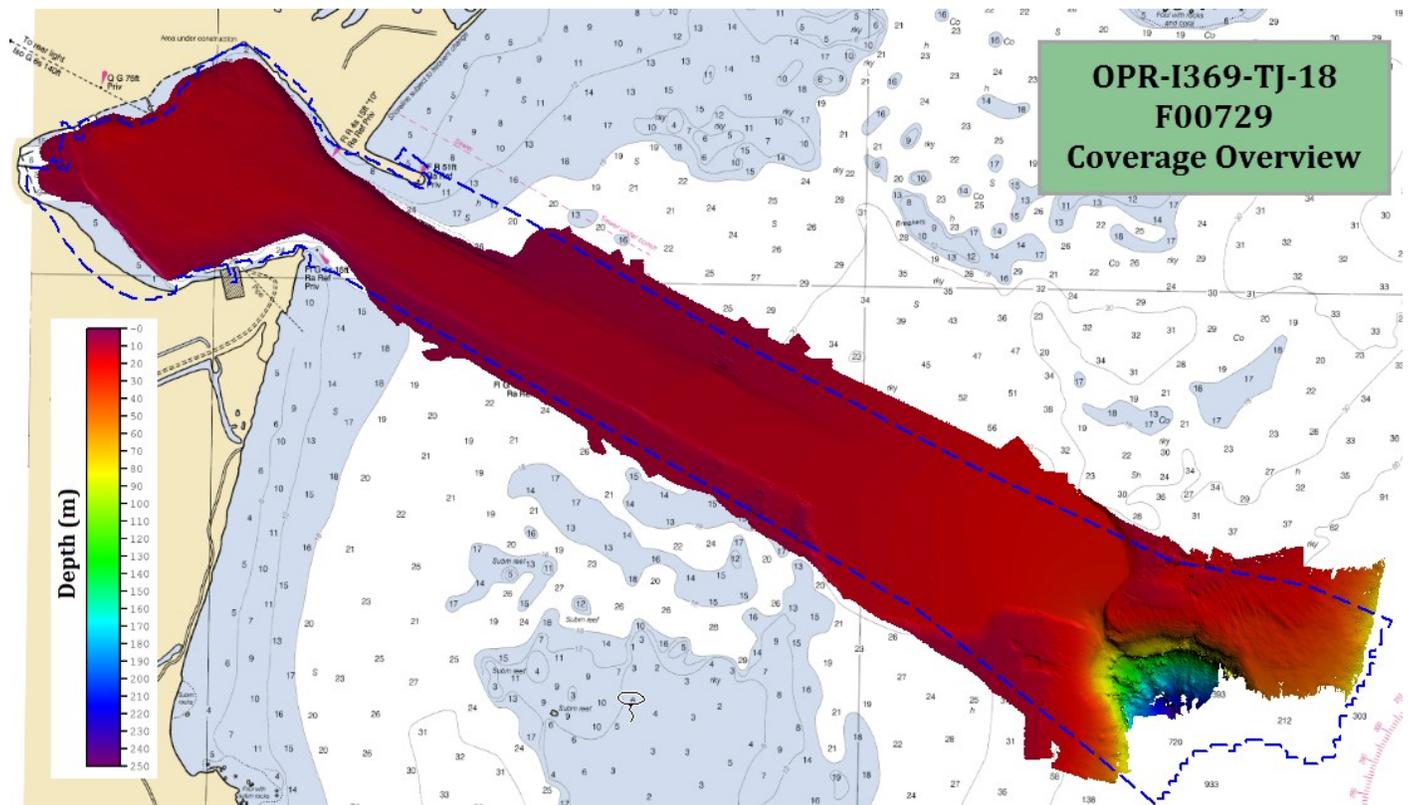


Figure 1. Coverage extents of survey F00729 overlaid on NOAA chart 25661. Assigned sheet limits are outlined in blue.

B. Survey Purpose

The island of Puerto Rico was damaged by two major hurricanes in 2017. NOAA Ship *Thomas Jefferson* (TJ) conducted emergency response surveys of seven port facilities following the hurricanes; however, the port of Yabucoa was not one of the port facilities surveyed by TJ in 2017 and no thorough survey of the port or its approaches had been conducted following the hurricanes. F00729 supports requests from local authorities to update nautical charts and investigate reports of shoaling within the channels leading into the harbor of Yabucoa.

C. Intended Use of Survey

The entire survey is adequate to supersede previous data.

D. Data Acquisition and Processing

Reference Data Acquisition and Processing Report (DAPR) OPR-I369-TJ-18_DAPR for a complete description of data acquisition and processing systems, survey vessels, quality control procedures and data processing methods.

E. Uncertainty

The values used to calculate Total Propagated Uncertainty (TPU) are listed below:

- Ellipsoidal Referenced Survey (ERS) separation model uncertainty (via VDatum): 0.12 m
- Sound speed measured: 4.000 m/s
- Sound speed surface: 0.200 m/s

Refer to the DAPR for more information regarding methods of uncertainty estimation.

The final MBES surface of F00279 was analyzed using the Grid QA module in Pydro Explorer to determine compliance with NOAA specifications. 99.5% of surface nodes meet allowable uncertainty specifications (Figure 2) and 99% of surface nodes meet or exceed data density per HSSD Section 5.2.2.3 requirement (Figure 3).

Sound speed casts were taken in accordance with HSSD requirements. Casts were spatially distributed appropriately to capture profile differences across water masses (Figure 4). Sound speed data were processed using Nearest in Distance within Time 4 hours (NIDWT) and applied to all survey data in accordance with processing procedures described in the DAPR.

Crosslines were conducted across all depth ranges to evaluate consistency of survey data. The QC Tools 2 module from Pydro Explorer was used to compare a variable resolution bathymetric surface of F00729 mainscheme and a variable resolution bathymetric surface of F00729 crossline data. This comparison returned a mean of 0.03 meters with a standard deviation of 0.06 meters (Figure 5).

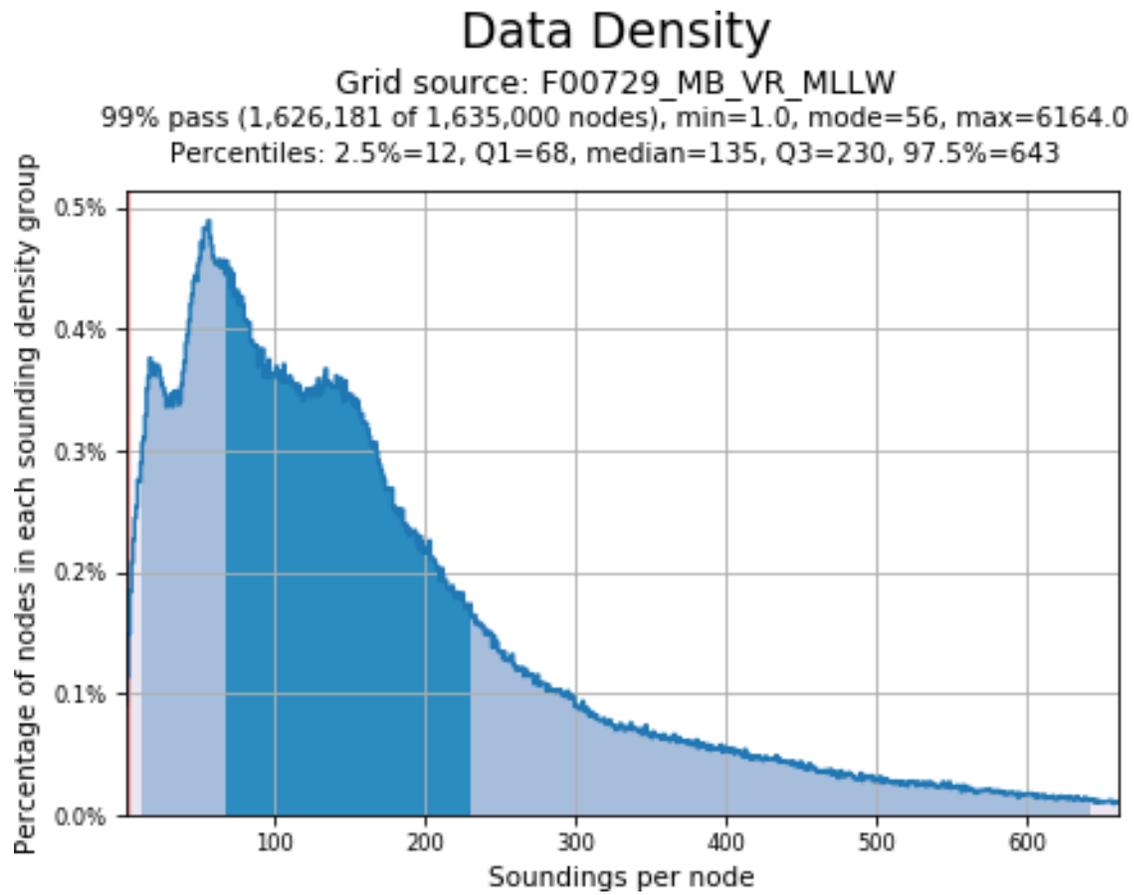


Figure 2: Uncertainty Standards of F00729 MBES data

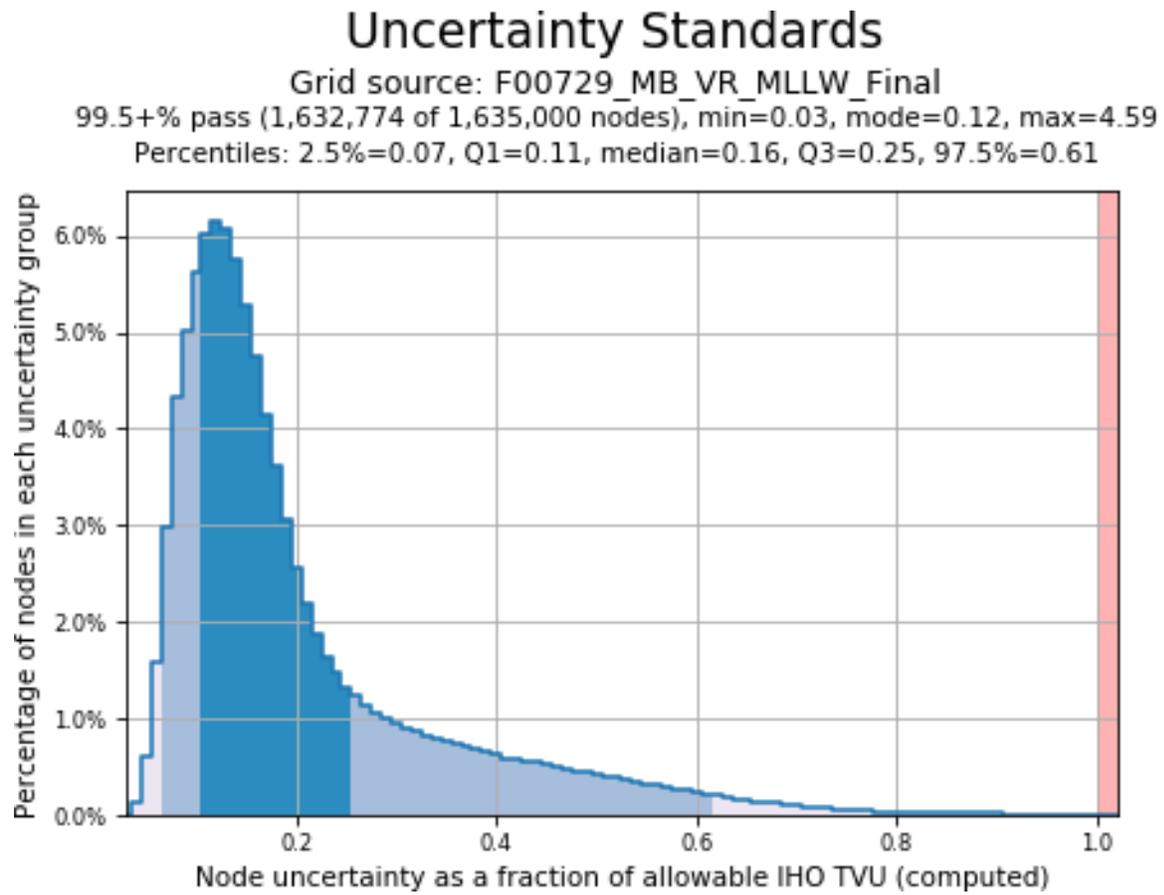


Figure 3: Data density of F00279 MBES data

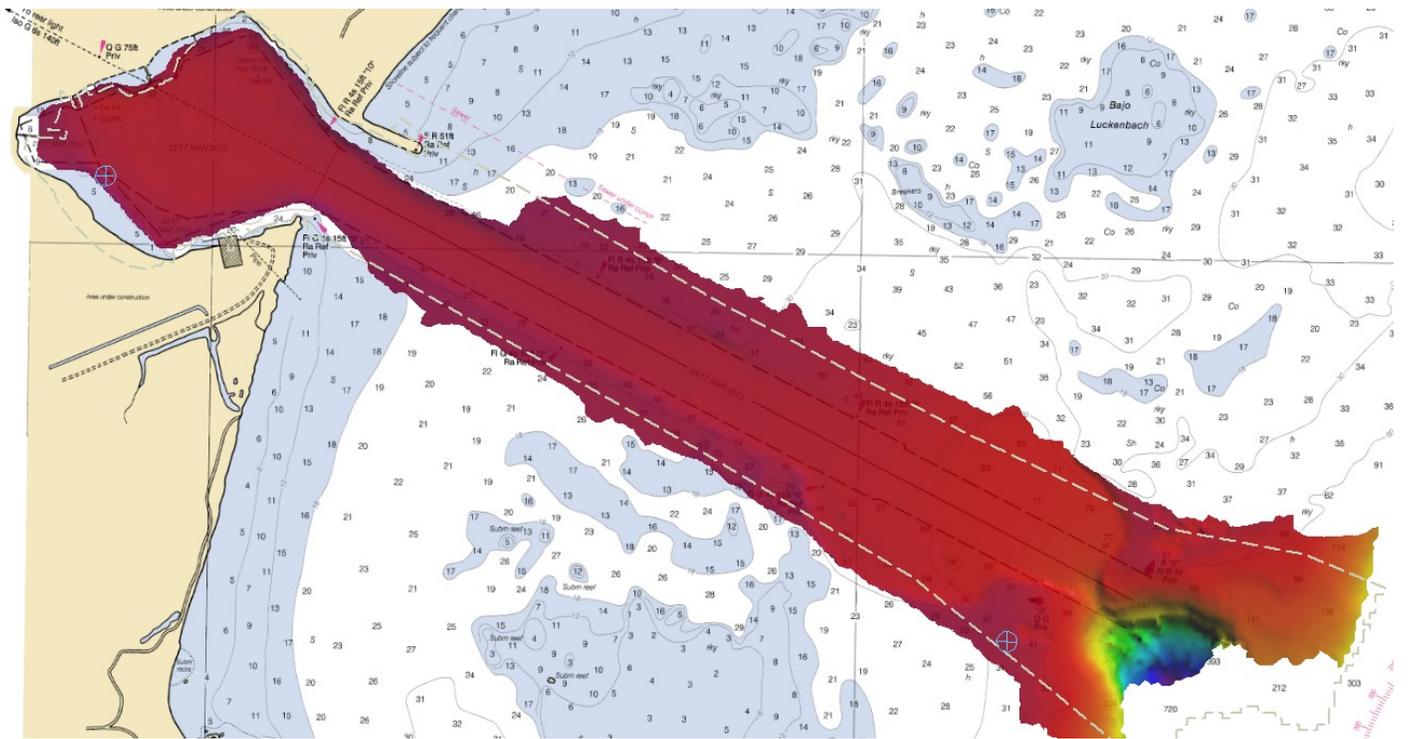


Figure 4: Spatial distribution of sound speed casts for F00729

F00729 Mainscheme/XL Comparison
 Mean: 0.03 | Mode: 0.04 | One Standard Deviation: 0.06 | Bin size: 0.01

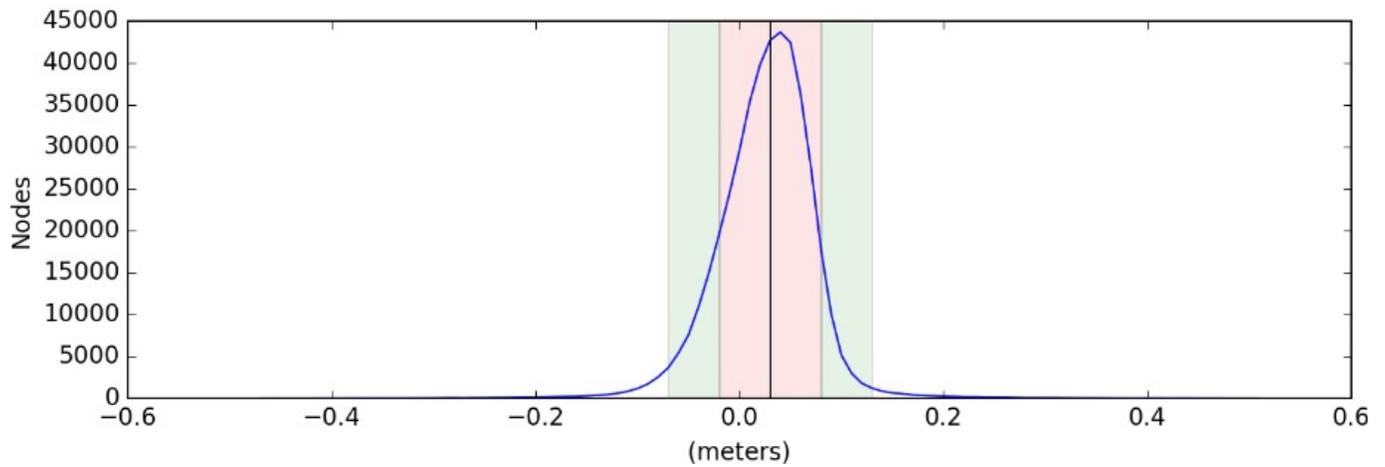


Figure 5: Comparison of mainscheme and crossline data for survey F00729

F. Results and Recommendations

The following is the largest scale ENC that covers the survey area:

ENC	Scale	Edition	Update Application Date	Issue Date	Preliminary?
US5PR54M	1:10000	4	04/07/2015	04/07/2015	NO

A comparison between data from F00729 and ENC US5PR54M was conducted in accordance with HSSD requirements and the DAPR.

Two obstructions were detected in the MBES at the entrance of the channel; both obstructions were determined to be the remnants of destroyed skeletal tower aids to navigation. Significant shoaling is encroaching upon dredged portions of the channel on the northern side near the Port Yabucoa jetty (Figure 6). The obstructions and shoaling were included in a DTON submitted on 04 OCT 2018. See the Final Feature File and the DTON report included in Appendix II of this report for additional information.

MBES backscatter data were logged and processed in accordance with the HSSD and Hydrographic Technical Directive 2018-3; there are no observable gaps in the resultant backscatter coverage (Figure 7).

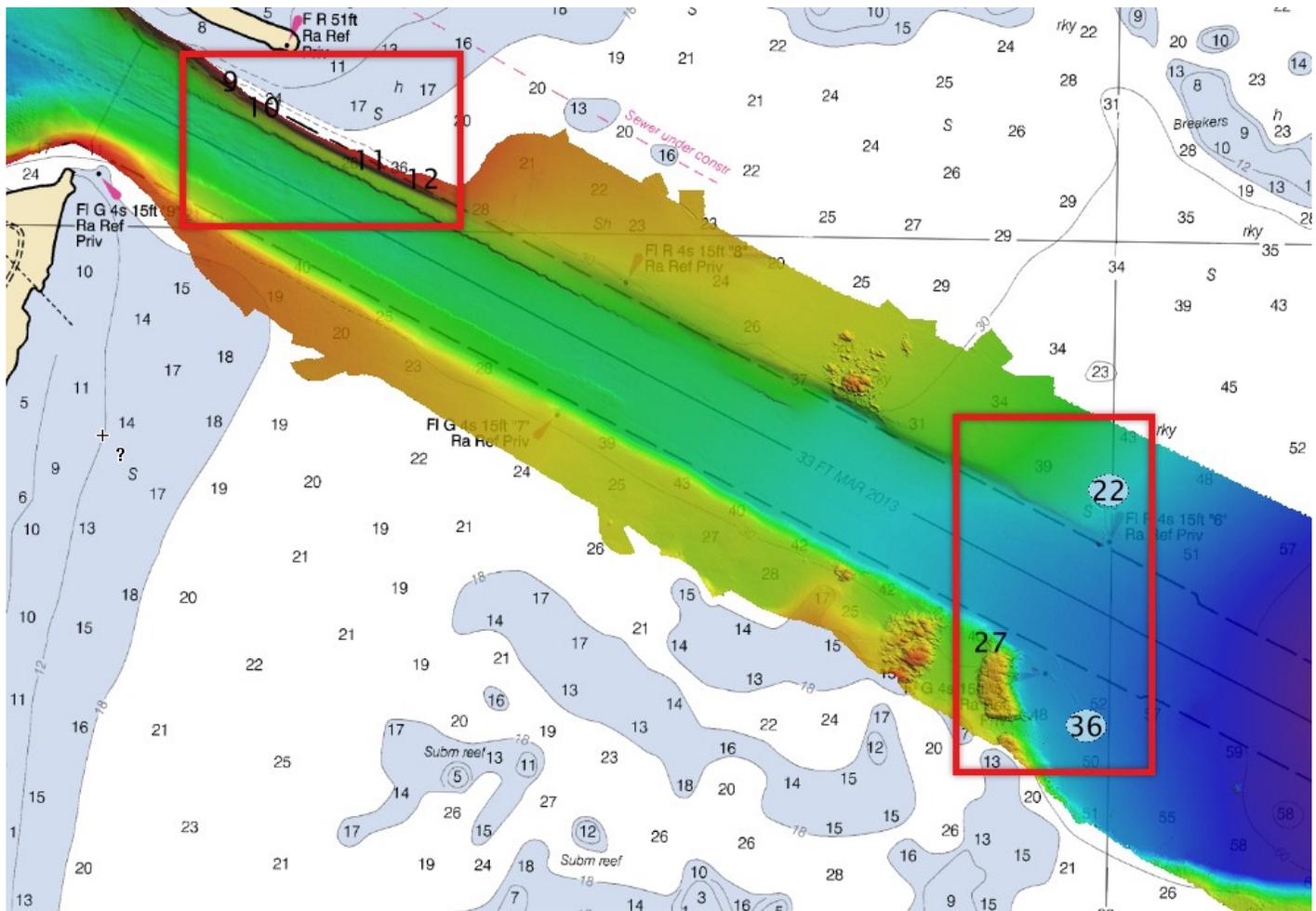


Figure 6: Overview of DTONs in F00729

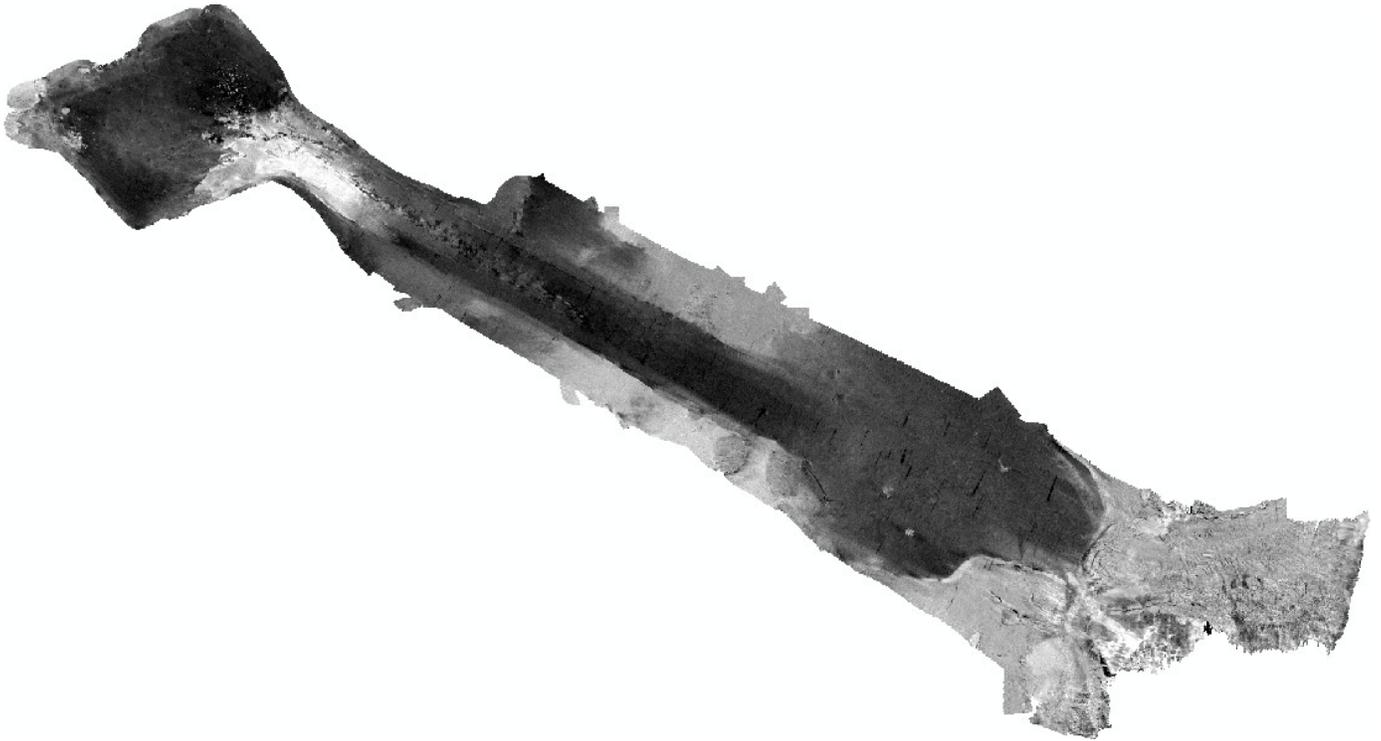


Figure 7: Backscatter GeoTiff from EM2040 data

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

Surface Name	Surface Type	Resolution	Depth Range	Surface Parameter	Purpose
F00729_MB_VR_MLLW	CUBE	VR m	2.4 m - 241.8 m	NOAA_VR	Full Coverage MBES
F00729_MB_VR_MLLW_Final	CUBE	VR m	2.4 m - 241.8 m	NOAA_VR	Full Coverage MBES
F00729_MBAB_50cm_2904_300kHz_1of1 GeoTiff * 50 cm 1m*			2.4 m - 241.8 m	N/A	Backscatter

**F00729_MBAB_1m_2904_300kHz_1of2.tif and F00729_MBAB_1m_2904_200kHz_2of2.tif backscatter mosaics were submitted for backscatter.*

G. Vertical and Horizontal Control

The vertical control method used for this survey was VDatum.

Data were reduced to MLLW using VDATUM techniques as outlined in the DAPR.

The horizontal datum for this project is World Geodetic System (WGS) 1984.* The projection for F00729 is Projected UTM 20N. *Horizontal datum was revised to NAD83 during the Rapid Survey Assessment.

H. Additional Results

F00729 bathymetric grids were examined for data fliers and holidays as described in the DAPR. No substantial holidays existed within the perimeter of the assigned survey area.

The two most seaward charted fixed channel lights (one on each side of the channel, Puerto Yabucoa Channel Light 7 and Light 8) have been replaced with buoys. Active work was being conducted on the privately maintained buoys leading into the channel at the time of this survey; one buoy was observed to be off-station, but was actively being worked on by private contractors. Puerto Yabucoa Channel Light 10 is incorrectly charted. The positions and disposition of the fixed channel marker and buoys should be verified with the local authorities. A discrepancy report was submitted to the USCG in accordance with HSSD 2018 requirements. The Project Manager and regional Navigation Manager were notified. See the Final Feature File and Appendix II of this report for additional information.

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
Christiaan van Westendorp, CAPT/NOAA	Chief of Party	03/14/2019	 VAN WESTENDORP.CHRISTIAAN. HENRY.1012828175 2019.03.14 14:51:27 -04'00'
Charles Wisotzkey, LT/NOAA	Field Operations Officer	03/14/2019	 Digitally signed by WISOTZKEY.CHARLES.JUSTIN.13 00819660 Date: 2019.03.14 14:40:58 -04'00'



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

DTON Report for F00729 from NOAA Ship Thomas Jefferson

3 messages

Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> Thu, Oct 4, 2018 at 5:26 PM
To: NDB E-Mailbox <OCS.NDB@noaa.gov>, AHB Chief <ahb.chief@noaa.gov>, Christina Belton - NOAA Affiliate <christina.belton@noaa.gov>, _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, Corey personal cell Allen <corey.allen@noaa.gov>, Douglas Wood <douglas.wood@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>

Good evening Cartographers,

Attached is the DTON Report for F00729 (Puerto Yabucoa). If a small sounding set is required/requested for compiling the shoaling inside the channel limits, please reach out. We will gladly provide you with more information.

Best regards,
Anthony

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

Learn about NOAA nautical charts - www.nauticalcharts.noaa.gov

 **F00729_DTON.zip**
1181K

Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> Sat, Oct 6, 2018 at 8:00 AM
To: NDB E-Mailbox <ocs.ndb@noaa.gov>
Cc: _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>

See attached for an S-57 .000 file of extracted soundings from F00729. Please let me know if you have any questions.

Best regards,
Anthony

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

Learn about NOAA nautical charts - www.nauticalcharts.noaa.gov

On Fri, Oct 5, 2018 at 6:35 PM Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> wrote:
Sounds good. I'll have something for you tonight or first thing tomorrow morning.

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

Learn about NOAA nautical charts - www.nauticalcharts.noaa.gov

On Fri, Oct 5, 2018 at 5:50 PM OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:

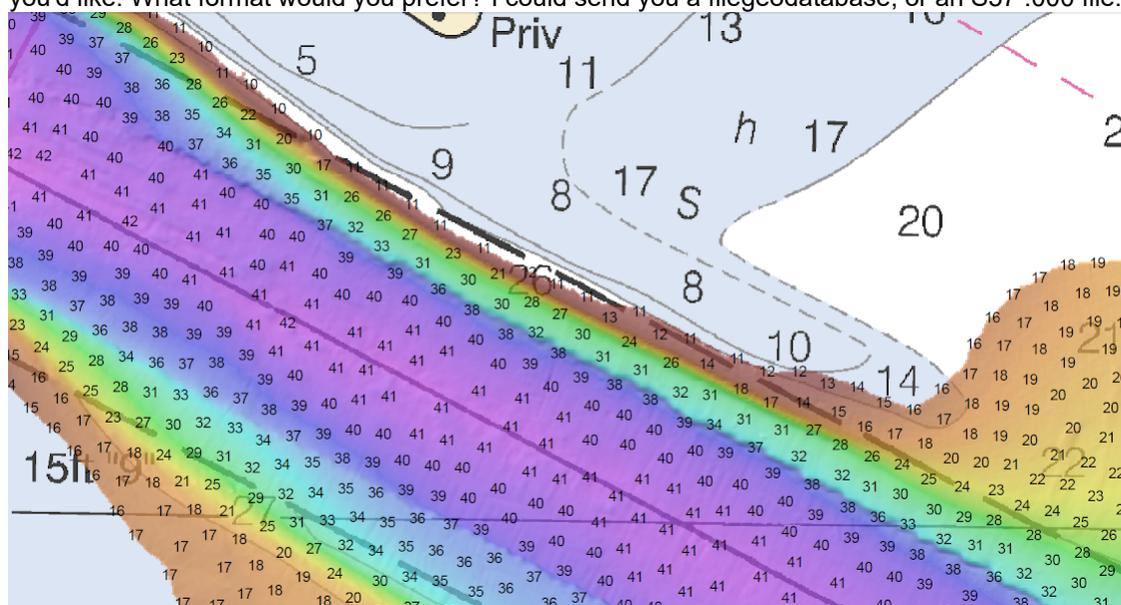
In the past we've received the occasional S-57 .000 file along with DtoNs, so let's stick with that. Thanks!

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



On Fri, Oct 5, 2018 at 5:39 PM Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> wrote:

The point of the four or five soundings in the report (ranging from 10-12 feet) were to show the extents of the shoaling inside the limits, which would disprove that 26ft charted sounding. I would be happy to send you a small sounding set. You can reference the chartlet for an idea of what I'm talking about. I'd be happy to help either way you'd like. What format would you prefer? I could send you a filegeodatabase, or an S57 .000 file.



LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

Learn about NOAA nautical charts - www.nauticalcharts.noaa.gov

On Fri, Oct 5, 2018 at 5:21 PM OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:

I think you're right that Yabucoa, PR isn't a USACE project! I saw channel limits charted and made that assumption; my apologies. You've definitely contacted the appropriate local authorities with your findings so we're good on that front.

On another topic, during her registration of the data, Ellen noticed the 26 foot sounding currently charted inside the channel at approximately 18-03-04.26N, 65-49-39.55W that, according to the report, is now 11 feet. We're

wondering if that 11 ft sounding should be added to the report or perhaps we should take you up on your offer of a small sounding set in the area of shoaling inside the channel limits.

Thanks,
Diane

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



On Fri, Oct 5, 2018 at 4:46 PM Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> wrote:
Hi Diane,

We also informed Kyle Ward earlier this week. We sent him, the Puerto Rico South Coast Pilots, the Chief of Waterway Management for the Coast Guard, and our HSD Project Manager a chartlet of preliminary survey results for Yabucoa. Attached is a screenshot of the email, if you need it for your records.

Best regards,
Anthony

 [Yabucoa_Chartlet.pdf](#)

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

Learn about NOAA nautical charts - www.nauticalcharts.noaa.gov

On Fri, Oct 5, 2018 at 4:24 PM Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> wrote:
Hi Diane,

I don't think this is a USACE federal project. Is it?

Best,
Anthony

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

Learn about NOAA nautical charts - www.nauticalcharts.noaa.gov

On Fri, Oct 5, 2018 at 4:16 PM OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:
Hi Anthony,

Prior to submitting DTONs located within the USACE's area of authority, the appropriate NOAA Navigation Manager is to be consulted (see the Field Procedures Manual, Section 4.4.2.1.6). Just checking to see if that happened in this case? There's no indication of it within the Dton Report.

Thanks,
Diane

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



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 **F00729_DTON_SS_Soundings.zip**
2280K

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

Tue, Oct 9, 2018 at 6:54 PM

To: Anthony Klemm <anthony.r.klemm@noaa.gov>

Cc: AHB Chief <AHB.Chief@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>, _NMAO MOA CO Thomas Jefferson <CO.Thomas.Jefferson@noaa.gov>, Corey Allen <Corey.Allen@noaa.gov>, Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <OPS.Thomas.Jefferson@noaa.gov>, _NOS OCS PBA Branch <ocs.pba@noaa.gov>, _NOS OCS PBB Branch <ocs.pbb@noaa.gov>, _NOS OCS PBC Branch <ocs.pbc@noaa.gov>, _NOS OCS PBD Branch <ocs.pbd@noaa.gov>, _NOS OCS PBE Branch <ocs.pbe@noaa.gov>, _NOS OCS PBG Branch <ocs.pbg@noaa.gov>, Castle E Parker <Castle.E.Parker@noaa.gov>, Charles Porter - NOAA Federal <charles.porter@noaa.gov>, Chris Libeau <Chris.Libeau@noaa.gov>, James M Crocker <James.M.Crocker@noaa.gov>, Ken Forster <Ken.Forster@noaa.gov>, Kevin Jett - NOAA Federal <kevin.jett@noaa.gov>, Matt Kroll <Matt.Kroll@noaa.gov>, Michael Gaeta <Michael.Gaeta@noaa.gov>, NSD Coast Pilot <coast.pilot@noaa.gov>, PHB Chief <PHB.Chief@noaa.gov>, Tara Wallace <Tara.Wallace@noaa.gov>

DD-29946 has been registered by the Nautical Data Branch and directed to Products Branch G for processing.

The DtonNs reported are several shoals and obstructions in Puerto Yabucoa, Puerto Rico.

The following charts are affected:

25661 kapp 392

25650 kapp 398

The following ENC's are affected:

US5PR54M

US4PR30M

References:

F00729

OPR-I369-TJ-18

This information was discovered and submitted by the crew of the NOAA Ship Thomas Jefferson.

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



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 **F00729_DTON.zip**
1181K



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

ATON discrepancy for F00729 - Yabucoa, PR - CORRECTION and ADDITION

2 messages

Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Wed, Mar 13, 2019 at 5:14 PM

To: Louis Licate - NOAA Affiliate <louis.licate@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, _OMAO MOA ChiefST Thomas Jefferson <chiefst.thomas.jefferson@noaa.gov>

All,

See below and attached.

Louis,

It looks like we'll need to contact local authorities about these lights. One additional ATON (Puerto Yabucoa Channel Light 9) was outside of our sheet limits but appears to be charted incorrectly (as indicated by ortho-imagery). Unfortunately, TJ had to end the survey in a hurry due to time + weather and we did not get solid data on all of these ATONs. None of the light characteristics were observed during the half-day of survey.

Submission follows:

Thank you for your input! The information you have provided has been processed and is shown below. You should print it for your information and so that you can remember the specifics of this outage in case we have to call you to gather more information.

You may return to our home page or click on your browser's BACK button to return to the page from which you came.

Name: Charles Wisotzkey

Email Address: charles.j.wisotzkey@noaa.gov

Telephone number: 2108965025

Waterway/Area/State: Yabucoa, Puerto Rico

Your Vessel's Name: NOAA Ship THOMAS JEFFERSON

Type of Vessel:

DOC#/ HIN / VIN / State #:

AID Name (from Light List):

Light List Number (LLNR):

Structure Discrepancy: None

Buoy Discrepancy: Off Station

Lighted ATON Discrepancy: None

Other type of discrepancy:

Hazard No

Comments: This is a correction and addition to our previously submitted report: Information obtained by a NOAA hydrographic survey of Yabucoa conducted on 2018-09-26: [CORRECTION] The TWO most seaward charted fixed channel lights (ONE on each side of the channel, Puerto Yabucoa Channel Light 5 and Puerto Yabucoa Channel Light 6) have been replaced with buoys. One buoy was off station but was actively being worked on by private contractors. Light characteristics of buoys unknown. Recommend investigation of current disposition of aids to navigation in the vicinity of Yabucoa, PR. [ADDITION] Puerto Yabucoa Channel Light 10 appears to be charted incorrectly. Listed position: 18.052743 N 65.830828 W. Observed position: 18.052958 N 65.830540 W.

--

LT Charles J. Wisotzkey, NOAA

NOAA Ship Thomas Jefferson (S-222)

Louis Licate - NOAA Federal <louis.licate@noaa.gov>

Wed, Mar 13, 2019 at 5:28 PM

To: Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Cc: Christina Belton - NOAA Federal <christina.belton@noaa.gov>, _OMAO MOA OPS Thomas Jefferson

<ops.thomas.jefferson@noaa.gov>, _OMAO MOA ChiefST Thomas Jefferson <chiefst.thomas.jefferson@noaa.gov>

4/12/2019

National Oceanic and Atmospheric Administration Mail - ATON discrepancy for F00729 - Yabucoa, PR - CORRECTION and ADDITION

Thank you for the update. I will be in touch with Sector San Juan about these as well as D7 HQ in Miami.

Lou Licate
NOAA Navigation Manager
FL, PR, & USVI
202-253-9536

[909 SE 1st Ave](#)
[Rm 432](#)
[Miami, FL](#)
[33131](#)

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Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Adjustment #2 to sheet acquisition plan & prioritization (OPR-I369-TJ-18 - Puerto Rico)

3 messages

CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Mon, Aug 27, 2018 at 12:33 PM

To: Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Cc: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Douglas Wood - NOAA Affiliate <douglas.wood@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Christina, et al,

FYSA, we hosted Capt Alex Cruz (Puerto Rico South Coast pilot) aboard for a ship tour and project discussion on 22 August 2018. After hearing his thoughts and recommendations on our work along the south shore, as well as consulting with PS Pridgen, we intend/propose to accomplish the following in order of priority:

- Complete Bahia de Guayanilla (H13141, in progress, expected completion sometime next week)
- Acquire critical UKC zones as outlined by PR South Coast pilots in the following order:
 - Ponce (H13143, Bahia de Ponce)
 - Approaches to and channel/pier basin of Jobos (H13147, Bahia de Jobos)
 - Approach channel and pier basin of Las Mareas (H13147, Bahia de Jobos)
 - Yabucoa (F00729)
- Complete acquisition in Bahia de Ponce sheet (H13143)
- Complete acquisition in Bahia de Jobos sheet (H13147)
- Continue acquisition of sheets in remaining PI order of priority with one exception:
 - Guanica (Punta Brea to Punta Verraco, H13142) shifted to last in project priority

Supporting notes:

- The subsidiary bays of each primary UKC area are very exposed to prevailing weather and seas, as well as generally too shallow/confined for effective ship survey. Additionally, daily weather patterns have forced us to begin launch operations early (~0615) in order to take advantage of a limited 3-hour window of reduced wind/seas for less protected work (safety and data quality consideration).
- The above conditions elevate the risk of TJ not completing pilot-priority areas prior to departure in November if we collect/complete surveys in the current PI order.
- Our intended approach shifts the Guanica survey priority, as well as opens multiple survey sheets with a possibility of not completing each sheet's coverage as originally assigned. However, it does virtually guarantee that areas of prime local concern are covered prior to our planned departure.

This plan does not change our intentions for San Juan (H13141, first project priority), to be completed per the waiver re: incorporating Lidar coverage.

Please let us know if you have any questions/concerns. If desired, we can discuss over the phone.

R/

Chris

--

CDR Chris van Westendorp, NOAA

Commanding Officer, NOAA Ship *Thomas Jefferson* (S-222)

co.thomas.jefferson@noaa.gov

Ship Cell1: (757)647-0187 Cell2: (757)418-0629

VoIP: (541)867-8927/8928 Iridium: (808)434-2706

In-Port Norfolk: (757)441-6322/6323

Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Thu, Aug 30, 2018 at 6:01 PM

To: CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Cc: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Douglas Wood - NOAA Affiliate <douglas.wood@noaa.gov>

Chris, et al,

It all makes sense to me.

A bit of background: the pilotage areas were added very late in the planning process. When we had the project pre-brief on June 14, I had only just received the areas a couple of days prior.

In the follow-up report to *TJ* on June 19th, I included a map of the areas there. the Project Instructions were also completed and signed on the June 18th.

Based on the traffic patterns plus the pilotage areas, it was clear to me that sheet priority 8, H13147, could have had equal or greater priority to H13141 and H13143. Without knowing which direction *TJ* may travel around the island, I planned the sheets in a logical order based on the O.D., Hydrohealth, and distance efficiency. The middle of the south side, H13150, had the lowest priority all along.

Thank you for taking care of the local high priority ares.

Good luck and let me know if you need anything.

Christina

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

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CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Mon, Sep 3, 2018 at 7:48 PM

To: Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Cc: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Douglas Wood - NOAA Affiliate <douglas.wood@noaa.gov>, Olivia Hauser - NOAA Federal <olivia.hauser@noaa.gov>

Copy all, Christina, and thank you for the background. We will proceed as planned below.

V/r,

Chris

CDR Chris van Westendorp, NOAA

Commanding Officer, NOAA Ship *Thomas Jefferson* (S-222)

co.thomas.jefferson@noaa.gov

Ship Cell1: (757)647-0187 Cell2: (757)418-0629

VoIP: (541)867-8927/8928 Iridium: (808)434-2706

In-Port Norfolk: (757)441-6322/6323

[Quoted text hidden]



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Blog entry - PR South Coast HSSC meeting

5 messages

CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Sun, Sep 9, 2018 at 6:44 PM

To: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>
Cc: "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, Kristen Crossett <kristen.crossett@noaa.gov>, Julia Wallace - NOAA Affiliate <julia.wallace@noaa.gov>, Briana Hillstrom <briana.hillstrom@noaa.gov>

Kyle / Christina,

Please see the attached proposed blog entry for my presentation at the PR South Coast Harbor Safety & Security Committee meeting in Salinas, PR. Many thanks to HSD/AHB for lending me ERT Wallace to attend and support the visit. She's done an outstanding job supporting the ship over the last year or so, and her assistance on this day trip was no exception.

V/R,

Chris

--

CDR Chris van Westendorp, NOAA

Commanding Officer, NOAA Ship *Thomas Jefferson* (S-222)

co.thomas.jefferson@noaa.gov

Ship Cell1: (757)647-0187 Cell2: (757)418-0629

VoIP: (541)867-8927/8928 Iridium: (808)434-2706

In-Port Norfolk: (757)441-6322/6323



20180907 - PR Harbor Safety & Security Meeting blog entry.docx

3115K

Kristen Crossett - NOAA Federal <kristen.crossett@noaa.gov>

Mon, Sep 10, 2018 at 8:14 AM

To: CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Cc: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, Julia Wallace - NOAA Affiliate <julia.wallace@noaa.gov>, Briana Hillstrom <briana.hillstrom@noaa.gov>

Hi Chris,

Thank you for sending! I would like to post this to the blog this week and use it for the Coast Survey newsletter and NOAA AA weekly email. Please let me know if anyone has major edits to the write-up before I proceed.

Thanks again,
Kristen

[Quoted text hidden]

--

Kristen Crossett

Communications Specialist

Office of Coast Survey, NOAA

Office phone: 240-533-0113

Cell phone: 301-325-2113

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Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Mon, Sep 10, 2018 at 1:06 PM

To: Kristen Crossett - NOAA Federal <kristen.crossett@noaa.gov>

Cc: CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, Julia Wallace - NOAA Affiliate <julia.wallace@noaa.gov>, Briana Hillstrom <briana.hillstrom@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

All,

Thank you for sharing your newsletter article. I don't have any editing suggestions. I do see further development stories from this one. For instance, referencing the third and fourth paragraphs, how new nautical chart data helps to recover businesses effected by the storm. This being DOC, there ought to be someone covering those metrics if not already within OCS. Do we know who that is? Will they include the specific work of *TJ*?

My second thought has to do with the concluding sentence. Perhaps there is another blurb, to include with the economics blog that can be written specifically from the point of view of a local business person and there direct experience with *TJ* data effecting their business. Those are follow up ideas.

Regards,
Christina

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

[Quoted text hidden]

Kristen Crossett - NOAA Federal <kristen.crossett@noaa.gov>

Wed, Sep 12, 2018 at 1:40 PM

To: CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Cc: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, Julia Wallace - NOAA Affiliate <julia.wallace@noaa.gov>, Briana Hillstrom <briana.hillstrom@noaa.gov>

Chris,

Thanks again for the great blog post. It is now [live](#) and highlighted in our [newsletter](#). We also shared it on [FB](#) and [Twitter](#).

Kristen

On Sun, Sep 9, 2018 at 6:44 PM, CO Thomas Jefferson <co.thomas.jefferson@noaa.gov> wrote:

[Quoted text hidden]

[Quoted text hidden]

CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Wed, Sep 12, 2018 at 2:28 PM

To: Kristen Crossett - NOAA Federal <kristen.crossett@noaa.gov>

Cc: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, Julia Wallace - NOAA Affiliate <julia.wallace@noaa.gov>, Briana Hillstrom <briana.hillstrom@noaa.gov>

Many thanks, Kristen!

V/R,

Chris

CDR Chris van Westendorp, NOAA
Commanding Officer, NOAA Ship *Thomas Jefferson* (S-222)

4/12/2019

National Oceanic and Atmospheric Administration Mail - Blog entry - PR South Coast HSSC meeting

co.thomas.jefferson@noaa.gov

Ship Cell1: (757)647-0187 Cell2: (757)418-0629

VoIP: (541)867-8927/8928 Iridium: (808)434-2706

In-Port Norfolk: (757)441-6322/6323

[Quoted text hidden]



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Coast Pilot Review Report for OPR-I369-TJ-18 Puerto Rico Ports

1 message

Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov> Fri, Apr 12, 2019 at 10:54 AM
To: OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>, _NOS OCS NSD Coast Pilot <coast.pilot@noaa.gov>
Cc: Christina Belton - NOAA Federal <christina.belton@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, _OMAO MOA ChiefST Thomas Jefferson <chiefst.thomas.jefferson@noaa.gov>

All,

Please see attached Coast Pilot Review Notes (OPR-I369-TJ-18_Coast Pilot Review Report.pdf).

The only suggested edits concern the entry for the port of Las Mareas and are in Paragraph 508.

Entries referencing depths should be updated in accordance with submitted bathy grids.

--

LT Charles J. Wisotzkey, NOAA
NOAA Ship Thomas Jefferson (S-222)

2 attachments

 **OPR-I369-TJ-18CoastPilotReport_original.pdf**
2311K

 **OPR-I369-TJ-18_Coast Pilot Review Report.pdf**
2264K



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Fwd: CO of TJ presenting at PR Harbor Safety & Security Committee tomorrow

3 messages

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

Thu, Sep 6, 2018 at 4:02 PM

To: _NMAO MOA OPS Thomas Jefferson <CO.Thomas.Jefferson@noaa.gov>, _NMAO MOA OPS Thomas Jefferson <OPS.Thomas.Jefferson@noaa.gov>

FYI.

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

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

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

Date: Thu, Sep 6, 2018 at 3:58 PM

Subject: Re: CO of TJ presenting at PR Harbor Safety & Security Committee tomorrow

To: Kristen Crossett - NOAA Federal <kristen.crossett@noaa.gov>

Cc: Richard T Brennan <richard.t.brennan@noaa.gov>, Shep Smith <shep.smith@noaa.gov>

Kristen,

I presented to this committee at their last meeting. They were very thankful for the work the TJ did post storm and were very excited to learn about the planned surveys. I don't think there are any red flags. Two items that may come are getting access to preliminary plots of the data and use of CiraCOOS survey assets being used to open ports after a storm.

We have already received request for preliminary data from [Inchcape Shipping Services](#)  and I am working with Christina Belton to meet their request.

The USCG has close ties the [CariCOOS](#). They are doing some pretty cool operational forecasting for the pilots. They also have a nice recreational SSS system. The USCG wants to be able to use it to open port after an storm. I had a chance to look at their set up on my last visit and did not feel it was worth pursuing based on the type of gear they had.

The Ships command has already met the South Coast Pilot Capt. Cruz and I provided them info and pictures of the USCG command and staff that may be at the meeting. I think this meeting should go well and build a lot of goodwill.

Let me know if you have any questions.

Regards,

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

On Thu, Sep 6, 2018 at 1:37 PM Kristen Crossett - NOAA Federal <kristen.crossett@noaa.gov> wrote:

TJ CO emailed to see if there are any specific points OCS HQ feels need to be made during his presentation of TJ's survey work in PR as well as any sensitive issues he should be aware of. I am not aware of any but wanted to check in with you before responding.

Thanks,
Kristen

--

Kristen Crossett
Communications Specialist
[Office of Coast Survey, NOAA](#)
Office phone: 240-533-0113
Cell phone: 301-325-2113
Like us on [Facebook](#). Follow us on [Twitter](#). Check out our [blog](#).

 **image001.png**
1K

CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Sun, Sep 9, 2018 at 7:09 PM

To: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Cc: "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Richard Brennan - NOAA Federal <Richard.T.Brennan@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

Kyle / Christina,

Some additional notes (not for public consumption) from my visit to the PR South Coast HSSC meeting:

- Very productive meeting and a worthwhile visit. Very tight group of attendees that appear to communicate and coordinate well with each other
- My presentation was the last of the morning (just before lunch) but appeared to garner the most interest/attention (not tooting my own horn here - ask Julia)
- South Coast stakeholders were interested in our preliminary products, and I broadcast that we would be happy to provide similar preliminary / not for navigation use products upon completion and shipboard QA/QC of each survey
- Gave a brief overview of our intended plan to survey pilot-identified critical areas before going back and filling in remainder of the applicable open survey sheets.
- I did mention the overlapping LIDAR surveys that would likely complete bottom coverage in the areas not picked up by TJ on this project.
- CariCOOS was only lightly represented at the meeting by Capt Cruz and Mr Torres. No questions from them or USCG re: suitability of recreational SSS for port surveys. However, I spoke with Dr. Miguel Canals Silander over the phone, and we will try to find an in-port Friday for he and members of his team to come and tour the ship; very thankful (along with Mr. Torres) for recovering their buoy last year.
- Mr. Ernesto Diaz (PR DNER Director of Coastal Zone Management Program) was very excited about our work and its applicability to shoreline erosion, the topic of his presentation to the group (more specifically Climate Change impact on PR)
- Coast Guard Captain of the Port and staff interested in potentially getting some sort of basic channel clearance survey capability, as pre-storm communication and resource planning from USCG D7 is normally behind real-time needs on the island and normally conflicts with higher priority resource needs and staging on mainland U.S.
- Numerous industry representatives and other port stakeholders offered their services to us and our small boats if needed.
- Maritime and economic politics here are a bit interesting. As San Juan is the power center for the island, the South Coast, while very tight knit, seems to harbor a bit of competition bordering on resentment for the North Coast. Lots of talk of corruption in the capital. No action required, just an observation.
- One Customs and Border Protection officer described to me a privately-funded (XPrize?) local competition with a \$6M prize to develop autonomous underwater survey technology for deep water work.
- One gentleman (owns a cable laying/finding business I believe) solicited me for possible recommendations on a good deep water system to find underwater cables. I told him that TJ is very happy with our current Kongsberg systems, but they would likely not be sufficient for his needs (>3000 meters). Sounds like he is looking at ROV systems, supported by his Dynamic Positioning vessel(s).

Please let me know if you have any questions / concerns.

V/R,

Chris

CDR Chris van Westendorp, NOAA

Commanding Officer, NOAA Ship *Thomas Jefferson* (S-222)

co.thomas.jefferson@noaa.gov

Ship Cell1: (757)647-0187 Cell2: (757)418-0629

VoIP: (541)867-8927/8928 Iridium: (808)434-2706

In-Port Norfolk: (757)441-6322/6323

[Quoted text hidden]

Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Sun, Sep 9, 2018 at 8:17 PM

To: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Cc: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Richard Brennan <richard.t.brennan@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

CO,

I recognize Mr. Ernesto Diaz's name from the Planning Board's CZMA concurrence I received in July (attached). I am relieved to know he was present at the South Coast HSSC meeting and even more so that he was enthusiastic. The environmental compliance HSD sought for NHPA, CZMA, and USFWS took longer than usual and Jay Nunenkamp told me that Office of Coast Survey had never sought EC with Puerto Rico until this project. Concurrence was not automatic as it often has been in other states. The agencies had additional questions and some additional forms to complete. I was asked to correspond by USPS. Letters from P.R. were stamped six weeks prior to me receiving them. I sought concurrence three times: once initially through our standard email procedures; a second time to follow up on their additional question and to reply by USPS, and a third time for Yabucoa because that was an additional area added several weeks later. After the third determination, we received concurrence.

Your meeting seems very positive. Thank you for the update.

Christina

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

[Quoted text hidden]

 **CZ-2018-0611-040 (FCC).pdf**
769K



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Fwd: RE: PROGRESS NOAA SHIP THOMAS JEFFERSON

5 messages

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

Fri, Aug 31, 2018 at 9:45 AM

To: Christina Belton - NOAA Affiliate <christina.belton@noaa.gov>, _NMAO MOA OPS Thomas Jefferson
<CO.Thomas.Jefferson@noaa.gov>, _NMAO MOA OPS Thomas Jefferson <OPS.Thomas.Jefferson@noaa.gov>

Hi Christina,

We are getting some good feedback from our maritime stake holders on the South Coast of PR. I forwarded the progress sketch and folks are already itching for the data. What is our current policy for providing preliminary data so I can get back with them?

Best Regards,
Kyle

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

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

From: **ISS San Juan ISS-San Juan** <ISS.SanJuan@iss-shipping.com>

Date: Thu, Aug 30, 2018 at 4:48 PM

Subject: RE: RE: PROGRESS NOAA SHIP THOMAS JEFFERSON

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

Cc: Recursos Externos Municipio Ponce <ponce_externalresources@yahoo.com>, ISS San Juan ISS-San Juan <ISS.SanJuan@iss-shipping.com>, Eric Gonzalez ISS-San Juan <Eric.Gonzalez@iss-shipping.com>

Good Afternoon Kyle,

Trust everything is going well.

We are wondering when could we expect final reports for sounding in Guayanilla area.

We have a few clients asking for the updated soundings and we would like to give the estimated date for the availability of the same.

Looking forward to hear from you soon

Best regards,

Ángel T. Colón González

Marine Service Coordinator

Inchcape Shipping Services 

(As Agents Only)

Office: +1 787 620 2030

Fax: +1 787 620 0001

Mobile: +1 787 679 3151

Email: iss.sanjuan@iss-shipping.com

Website: www.iss-shipping.com

Address: 1064 Ave.Ponce de Leon,

Suite 301 San Juan, PR 00907



From: Recursos Externos Municipio Ponce [mailto:ponce_externalresources@yahoo.com]

Sent: Thursday, August 30, 2018 2:55 PM

To: ISS San Juan ISS-San Juan <ISS.SanJuan@iss-shipping.com>

Subject: Re: RE: PROGRESS NOAA SHIP THOMAS JEFFERSON

Hello!

You will have to ask Mr. Kyle Ward, Southeast Navigation Manager from NOAA Office of Coast Survey. His email is kyle.ward@noaa.gov

V/r

Maria

RECURSOS EXTERNOS

MUNICIPIO AUTONOMO DE PONCE

PO BOX 331709

PONCE, PUERTO RICO 00733-1709

TEL. (787) 284-4141 Tere Ext. 2013

FAX. (787)842-4282

E-MAIL: ponce_externalresources@yahoo.com

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On Thursday, August 30, 2018, 2:18:26 PM AST, ISS San Juan ISS-San Juan <ISS.SanJuan@iss-shipping.com> wrote:

Good Day Maria,

Below noted and well received.

When could we expect final reports?

Thanks for usual cooperation

Best regards,

Ángel T. Colón González

Marine Service Coordinator

Inchcape Shipping Services 

(As Agents Only)

Office: +1 787 620 2030

Fax: +1 787 620 0001

Mobile: +1 787 679 3151

Email: iss.sanjuan@iss-shipping.com

Website: www.iss-shipping.com

Address: 1064 Ave.Ponce de Leon,

Suite 301 San Juan, PR 00907



From: Recursos Externos Municipio Ponce [mailto:ponce_externalresources@yahoo.com]
Sent: Thursday, August 30, 2018 9:16 AM
To: Hans Rutzen <hnutzen@buckeye.com>; r.iglesias@bts-pr.com; Luis O Marini <lmardini67@hotmail.com>; papoacosta46@hotmail.com; jbanch@gmail.com; pedrofrivera@americantugspr.com; Gilberto Espinosa <ponce@gulpharbor.com>; ponce@gulpharbor.com; Daniel Montes <capitanmontes@yahoo.com>; operpce@ayacol.com; charlietequila@yahoo.com; Eric Gonzalez ISS-San Juan <Eric.Gonzalez@ISS-Shipping.com>; Zaham Rubio <zaham_rubio@hotmail.com>; ocatinchi.uscgaux@gmail.com; agency.mgr.pce@ayacol.com; Julito Martinez <agency.pce@ayacol.com>; southeastpilots@gmail.com; hector.colon@ponce.pr.gov; cepadillarodz@hotmail.com; sea1dragon@aol.com; rafael_rafael53@hotmail.com; sprtowing@coqui.net; operations@bts-pr.com; Luis A. Delgado-Guzmán <luis.delgado@ponce.pr.gov>; ISS San Juan ISS-San Juan <ISS.SanJuan@iss-shipping.com>; jeff@matspr.com; e.braffett@perezyciapr.com; Juan B. Nieves <jbnieves16@gmail.com>; Jose A Martinez <mtzcspr@gmail.com>; Nestor Rivera <riverane@esi-energy.com>; cxacosta@gmail.com; jim@matspr.com; Luis H Gonzalez <l.gonzalez@bts-pr.com>; ehbusquets@gmail.com; tomp@morantug.com; capt.iglesias@bts-pr.com; anavitatemarine@aol.com
Subject: PROGRESS NOAA SHIP THOMAS JEFFERSON

Good morning,

Included please find a PDF document provided by Mr. Kyle Ward, Southeast Navigation Manager from NOAA Office of Coast Survey, of the progress made so far by the crew of the NOAA Ship Thomas Jefferson.

Best regards,

Maria T. Vicens

Secretary SCHSSC

OFICINA DE RECURSOS EXTERNOS

MUNICIPIO AUTONOMO DE PONCE

PO BOX 331709

PONCE, PUERTO RICO 00733-1709

TEL. (787) 284-4141 Tere Ext. 2013

FAX. (787)842-4282

E-MAIL: ponce_externalresources@yahoo.com

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CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Wed, Sep 5, 2018 at 8:48 PM

To: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Christina Belton - NOAA Affiliate <christina.belton@noaa.gov>

Cc: [_NMAO MOA OPS Thomas Jefferson](#) <OPS.Thomas.Jefferson@noaa.gov>

Hi, Kyle,

I will be attending the South Coast Harbor Safety & Security Meeting this coming Friday (7 Sept), and I intend to bring a couple of plots of our preliminary data for Bahia de Guayanilla and Bahia de Tallaboa. We usually provide a chartlet that incorporates a transparent DTM and preliminary sounding set labeled NOT FOR NAVIGATION or something to that effect. If there are specific requests, we can certainly work with Christina to determine what's appropriate and releasable.

Thanks,

Chris

CDR Chris van Westendorp, NOAA

Commanding Officer, NOAA Ship *Thomas Jefferson* (S-222)

co.thomas.jefferson@noaa.gov

Ship Cell1: (757)647-0187 Cell2: (757)418-0629

VoIP: (541)867-8927/8928 Iridium: (808)434-2706

In-Port Norfolk: (757)441-6322/6323

[Quoted text hidden]

Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Wed, Sep 5, 2018 at 9:48 PM

To: CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, _NMAO MOA OPS Thomas Jefferson <OPS.Thomas.Jefferson@noaa.gov>

Good Evening All,

If there are normal products you provide, and comfortable the products are safe to deliver publicly, then it seems it would be very helpful and good for future project communication as well.

I did follow up on standard policy for HSD to release data early. It would depend on the data but the the formal policy is CAPT Brennan would have to sign a release statement. He will want to know who are the exact stakeholders and what exactly is being released. But then again, that is without know what data HSD is considering.

In hurricane response situations, the data will goes to stakeholders directly from the ship. For an early release of data that is not response, data would still come from the ship because AHB will not have received he data yet to generate products in an early release.

But it seems you are providing standard printed products only in this case.

You might also consider providing a GeoPDFs or GEOTiff that is correctly referenced to the location, if you have not already, if you want to provide survey area electronically.

If you have data you are not sure about releasing, and wish for HSD OPS to consider, then please let me know and I will follow up.

Regards,
Christina

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

[Quoted text hidden]

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

Thu, Sep 6, 2018 at 8:04 AM

To: Christina Belton - NOAA Affiliate <christina.belton@noaa.gov>

Cc: _NMAO MOA OPS Thomas Jefferson <co.thomas.jefferson@noaa.gov>, _NMAO MOA OPS Thomas Jefferson <OPS.Thomas.Jefferson@noaa.gov>

CO,

I think the normal (Not for Navigation) plots with DTM and soundings will meet their needs. The meeting goes for awhile so there is time during the breaks to look over plotter sized images. They also usually have a projector so you could put together a few slides if you have found anything interesting. The food is always good, most everyone speaks English but if you have a Spanish speaker on board to bring with you it would build plenty of good will and make it easier to mingle.

FYI on some personnel you may meet. The command staff know me but have not spend much time with them. The other USCG staff know me well and they were the ones I was passing most of your information to during the storm last year. You will probably have lots to talk about with them. I will give them a heads up you will be in attendance and send you a picture so you can put names with faces.

[USCG Sector San Juan Command](#)

Prevention Chief is CDR Janet Espino-Young
Waterways Chief LCDR David Otani
USCG Port Recovery Specialist Civilian (he know everyone) Izzy Torrez

Kyle R. Ward

Southeast Navigation Manager
NOAA Office of Coast Survey
301.651.4852 cell

[Quoted text hidden]

2 attachments



image002.jpg
7K

 **image001.png**
1K

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

Thu, Sep 6, 2018 at 9:25 PM

To: Christina Belton - NOAA Affiliate <christina.belton@noaa.gov>

Cc: _NMAO MOA OPS Thomas Jefferson <co.thomas.jefferson@noaa.gov>, _NMAO MOA OPS Thomas Jefferson <OPS.Thomas.Jefferson@noaa.gov>

They have a new Prevention Chief as of today. The new one is [LCDR Jose Rosario](#).

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

[Quoted text hidden]



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Maersk 2pm 10/26

8 messages

Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Fri, Oct 26, 2018 at 11:18 AM

To: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Cc: "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

CO,

Rob Towley from Maersk will join a call with James Miller, Kyle Ward and myself at 2pm.

James will present his data findings on what exists for the two new F sheets already.

Our aim is to find out a bit more about what Maersk needs for data.

Maybe we already have much of what they need.

According to AIS ship traffic, *TJ* is alongside in San Juan right now. I am not sure how accurate that is.

Would you like to join the call today at 2pm, or would you prefer to receive a summary after the call?

Thank You,
Christina Belton

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Fri, Oct 26, 2018 at 11:20 AM

To: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Cc: "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

** Townley

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

[Quoted text hidden]

CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Fri, Oct 26, 2018 at 11:31 AM

To: Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Cc: "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

Christina,

I'm going on leave at 1400, but I will pass on to Meghan (ACO) to call-in. She will be monitoring the CO email account while I'm away.

Thanks,

Chris

CAPT Chris van Westendorp, NOAA

Commanding Officer, NOAA Ship *Thomas Jefferson* (S-222)

co.thomas.jefferson@noaa.gov

Ship Cell1: (757)647-0187 Cell2: (757)418-0629

VoIP: (541)867-8927/8928 Iridium: (808)434-2706

In-Port Norfolk: (757)441-6322/6323

[Quoted text hidden]

Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Fri, Oct 26, 2018 at 11:33 AM

To: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Cc: "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>, James Miller - NOAA Federal <james.j.miller@noaa.gov>

Ok, sounds good. James is setting up the call.

[Quoted text hidden]

Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Fri, Oct 26, 2018 at 11:35 AM

To: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Cc: Christina Belton - NOAA Federal <christina.belton@noaa.gov>, "XO.Thomas.Jefferson" <xo.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Anthony Klemm <anthony.r.klemm@noaa.gov>

Christina,

I doubt we will make that call.

From an ops perspective, it makes most sense for us to try these surveys on Tuesday 30 OCT. We can leave as scheduled on Monday and be back on project south of Ponce on Wednesday morning. Waiting until later in the leg will mean an extra night off project. We have personnel transfers in Ponce on 05 NOV before departing Puerto Rico, so we can't do it then. Please factor this in for planning and EC purposes.

- Charles

On Fri, Oct 26, 2018 at 11:31 AM CO Thomas Jefferson <co.thomas.jefferson@noaa.gov> wrote:

[Quoted text hidden]

--

LT Charles J. Wisotzkey, NOAA

[Quoted text hidden]

Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Fri, Oct 26, 2018 at 11:54 AM

To: Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Cc: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>, James Miller - NOAA Federal <james.j.miller@noaa.gov>

Received.

Given that FEMA is requesting, we'll assume EC concurrence by Monday. We've reached out to all concerned.

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

[Quoted text hidden]

Christina Belton - NOAA Federal <christina.belton@noaa.gov> Mon, Oct 29, 2018 at 11:12 AM
To: Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>
Cc: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

All,
Here is our finalized NEPA compliance for the new areas east of the main island Puerto Rico.
Thank you for addressing this short-order work.
Let us know we can help.
Christina

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

On Fri, Oct 26, 2018 at 11:35 AM Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov> wrote:
[Quoted text hidden]

 **Env Review - Fuel Delivery PR-USVI Maria response.Signed.pdf**
2049K

Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov> Mon, Oct 29, 2018 at 11:45 AM
To: Christina Belton - NOAA Federal <christina.belton@noaa.gov>
Cc: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, "XO.Thomas.Jefferson" <xo.thomas.jefferson@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Anthony Klemm <anthony.r.klemm@noaa.gov>

Got it. Thanks Christina. - Charles
[Quoted text hidden]



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

OPR-I369-TJ_18 Puerto Rico CHANGE 1_Project Instructions

1 message

Christina Belton - NOAA Federal <christina.belton@noaa.gov> Tue, Nov 6, 2018 at 3:13 PM

To: ChiefOps MOA - NOAA Service Account <chiefops.moa@noaa.gov>, DeputyOps MOA - NOAA Service Account <DeputyOps.MOA@noaa.gov>

Cc: OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, "ChiefST.Thomas Jefferson - NOAA Service Account" <chiefst.thomas.jefferson@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Jay Nunenkamp - NOAA Federal <jay.nunenkamp@noaa.gov>, James Crocker - NOAA Federal <james.m.crocker@noaa.gov>, Rachel Medley - NOAA Federal <rachel.medley@noaa.gov>, Richard Brennan <richard.t.brennan@noaa.gov>, Lorraine Robidoux - NOAA Federal <lorraine.robidoux@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>, Briana Welton <Briana.Hillstrom@noaa.gov>, John Nyberg - NOAA Federal <john.nyberg@noaa.gov>, Tara Wallace - NOAA Federal <tara.wallace@noaa.gov>, David Lane - NOAA Federal <david.lane@noaa.gov>, Jerry Hovis <gerald.hovis@noaa.gov>, "_NOS.CO-OPS.HPT" <NOS.COOPS.HPT@noaa.gov>, Christopher Hare - NOAA Federal <Christopher.Hare@noaa.gov>, Kristen Crossett - NOAA Federal <kristen.crossett@noaa.gov>, Douglas Wood - NOAA Affiliate <douglas.wood@noaa.gov>

Good Afternoon Chief Ops MOA, Deputy Ops MOA,

I am following up with some recently changed project instructions. Please find attached the Change 1 Project Instructions for OPR-I369-TJ_18 Puerto Rico.

The change is that we added two last minute urgent surveys for FEMA/MAERSK: F00758 and F00759. *Thomas Jefferson* conducted these surveys last week.

Otherwise there are only a couple of minor edits in the document title and PS Support.

Please be in touch with any questions.

Best Regards,
Christina Belton

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

 **OPR-I369-TJ-18_PuertoRico_ProjectInstructions_Change1_signed.pdf**
2054K



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

OPR-I369-TJ_18 Puerto Rico Follow up Points to TJ from OCS conference call with Maersk Group

3 messages

Christina Belton - NOAA Federal <christina.belton@noaa.gov> Fri, Oct 26, 2018 at 5:43 PM
To: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>, Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>
Cc: Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Briana Welton <Briana.Hillstrom@noaa.gov>, James Miller - NOAA Federal <james.j.miller@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

Good Evening *TJ*,
These are the points of discussion from our call today with Rob Townley from Maersk.

Conference Call Attendees:

Rob Townley, Maersk Group
Kyle Ward, Southeast Navigation Manager, Customer Affairs Branch
James Miller, HSD AHB
Christina Belton, PM, HSD OPS

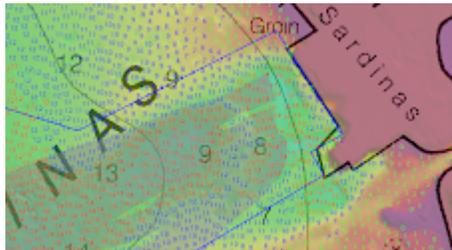
Follow up Points from Maersk con call:

- 1) Bahia de Sardinias polygon, Culebra Survey F00758
 - i. There is a revised polygon extending approximately 45 meters to the northwest in Bahia de Sardinias capturing deeper channel portions. Please cover this area. Revised polygon is attached to this email with the suffix R1.
 - ii. The most important area to survey is the pier face in the area 2017 TJ MBES did not reach, to the extent TJ launch can safely survey.
 - iii. In all other areas within polygon, it is acceptable to only fill in 2017 gaps in the MBES coverage.
 - iv. Please see the three accompanying graphics of Sardinias, generated by James. MBES coverage is visible but all soundings shown are from the 2018 USACE LiDAR data. The LiDAR data is served publicly on Digital Coast <https://coast.noaa.gov/digitalcoast/>.
- 2) Enighed Pond, USVI, Survey F00759
 - i. As in Sardinias, the pier faces within the polygon are the most important areas to cover to the extent that TJ launch can safely survey.
 - ii. In all other areas within polygon, it is acceptable to only fill in 2017 gaps in the MBES coverage
- 3) Ensenada Honda – South Coast Pilot Request Survey F00758
 - i. The LiDAR coverage for this area is good and the 2018 LiDAR depths match well to chart.
 - ii. The priority area is the deeper channel portion within the polygon, outside of the blue tint seen on 1:6,500 RNC 25654 Ensenada Honda.
 - iii. Within the blue tint area, please only survey as much as extra time allows and to the extent that is safe to survey.

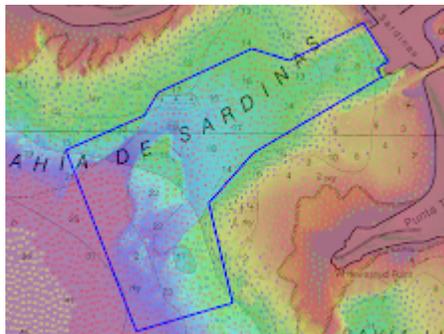
Please be in touch with any questions.

Have a nice weekend,
Christina

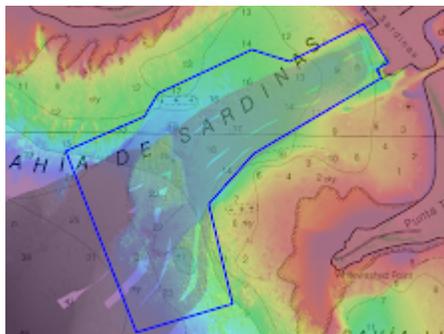
Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

6 attachments

F00758 - Bahia de Sardinias - lidar soundings along pier.png
1242K



F00758 - Bahia de Sardinias - lidar soundings overview.png
1699K



F00758 - Bahia de Sardinias - multibeam and lidar coverage.png
1404K

 **SardiniasHonda_R1.zip**
4K

 **OPR-I369-TJ-18_SardiniasHonda_R1.pdf**
353K

 **Follow Up Points from Maersk con call.pdf**
287K

Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Mon, Oct 29, 2018 at 9:19 AM

To: _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, Anthony Klemm
<anthony.r.klemm@noaa.gov>

Anthony,

Can you try to download this? I can't get the new shape file to download to my computer.

[Quoted text hidden]

--

LT Charles J. Wisotzkey, NOAA
NOAA Ship Thomas Jefferson (S-222)

Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

Mon, Oct 29, 2018 at 10:07 AM

To: Charles Wisotzkey <charles.j.wisotzkey@noaa.gov>

Cc: _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>

4/12/2019

National Oceanic and Atmospheric Administration Mail - OPR-I369-TJ_18 Puerto Rico Follow up Points to TJ from OCS conference call ...

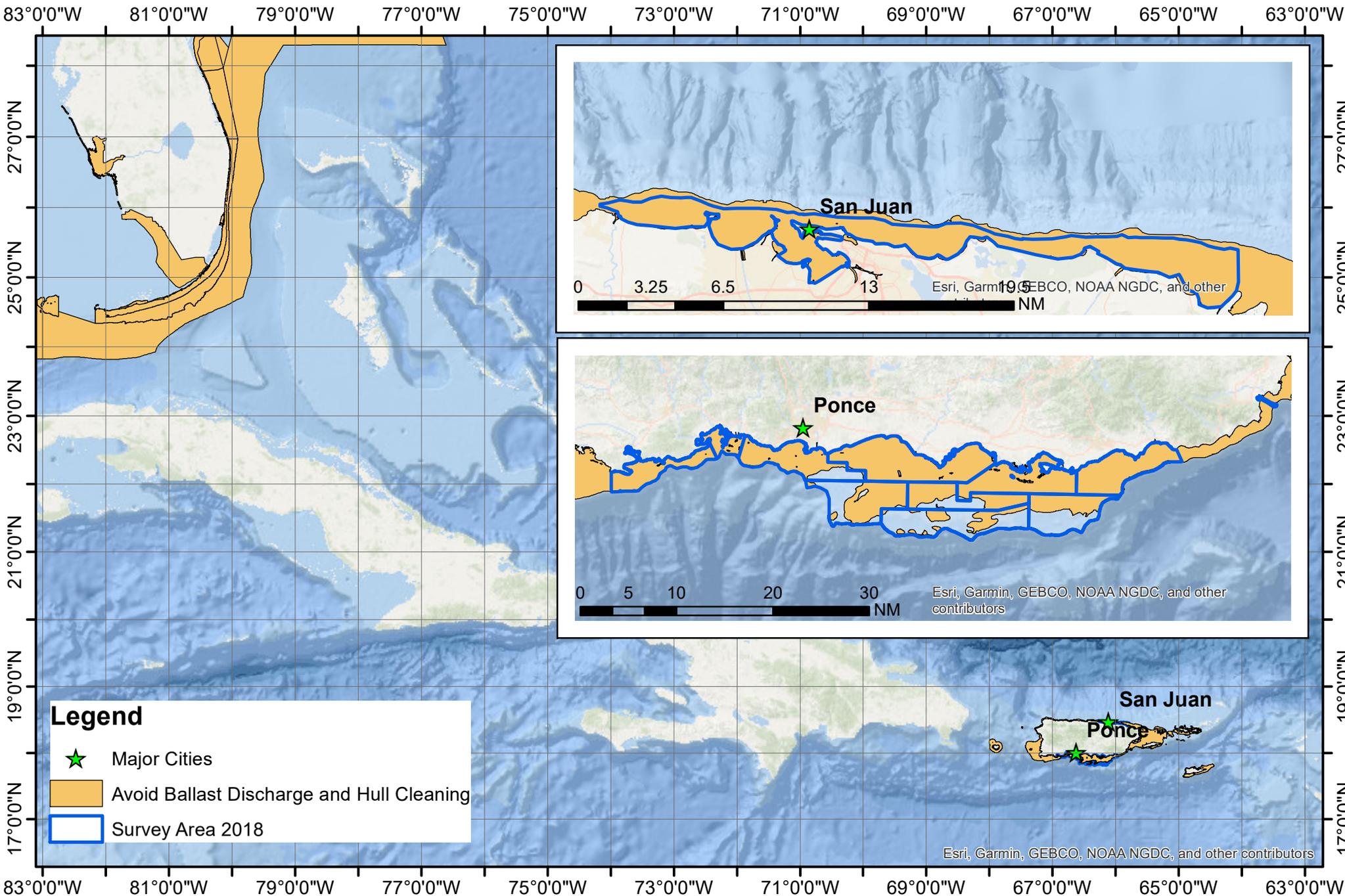
Done. K:\Project_Instructions\2018\OPR-I369-TJ-18_PuertoRico\GIS Files\Culebra updated polygons
LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

Learn about NOAA nautical charts - www.nauticalcharts.noaa.gov

[Quoted text hidden]

OPR-I369-TJ_18
Puerto Rico Hydrographic Survey
Total SNM 309
August 13 - November 5, 2018

Endangered Species Act (ESA) and
Marine Mammal Protection Act (MMPA)
Compliance for
National Marine Fisheries Service Species (NMFS).



Legend

- ★ Major Cities
- Orange Box Avoid Ballast Discharge and Hull Cleaning
- Blue Box Survey Area 2018

Esri, Garmin, GEBCO, NOAA NGDC, and other contributors



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

OPR-I369-TJ-18 NCEI Data

2 messages

Calandria DeCastro <calandria.m.decastro@noaa.gov>

Thu, Mar 21, 2019 at 1:43 PM

To: _NODC Submissions <nodc.submissions@noaa.gov>

Cc: ops.thomas.jefferson@noaa.gov, Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Good afternoon,

Attached is the NCEI Sound Speed Data for Project OPR-I369-TJ-18.

V/r,

--

LT Calandria DeCastro, NOAA
OPS in Training, NOAA Ship *Thomas Jefferson*
Ship Land Line: 757-441-6322
Ship Cell: 757-647-0187
Ship Iridium: 808-434-2706

 **OPR-I369_TJ-18_20190321.zip**
1582K

Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Fri, Apr 5, 2019 at 10:58 AM

To: _OMAO MOA ChiefST Thomas Jefferson <chiefst.thomas.jefferson@noaa.gov>

[Quoted text hidden]

--

LT Charles J. Wisotzkey, NOAA
NOAA Ship Thomas Jefferson (S-222)

 **OPR-I369_TJ-18_20190321.zip**
1582K



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Office of Marine and Aviation Operations
NOAA Ship *Thomas Jefferson* (S222)
439 West York St, Norfolk, VA 23510

August 7, 2018

MEMORANDUM FOR: Christina Belton
Project Manager, OPR-I369-TJ-18
Hydrographic Surveys Division Operations Branch

FROM: Commander Chris van Westendorp, NOAA
Commanding Officer, NOAA Ship *Thomas Jefferson*

SUBJECT: Waiver request to modify OPR-I369-TJ-18 sheet extents

Thomas Jefferson requests a waiver of Project Instructions OPR-I369-TJ-18 based on available lidar.

Justification

In consultation with the Chief of AHB and with assistance from AHB's PS James Miller in planning for OPR-I369-TJ-18 (Puerto Rico), we discovered high quality topobathy lidar datasets (1m DEMs) from the USACE CZMIL system, flown in 2016. Combined with the RSD lidar datasets also available on NOAA's Digital Coast data repository, we created a 5m lidar DEM in common areas with our assigned project. We assess that existing lidar coverage satisfies Coast Survey's requirements in non-object detection areas of OPR-I369-TJ-18 due to observed high quality of existing and relatively recently acquired datasets available, especially in 200m set line spacing requirement areas (outlined green in Figure 1).

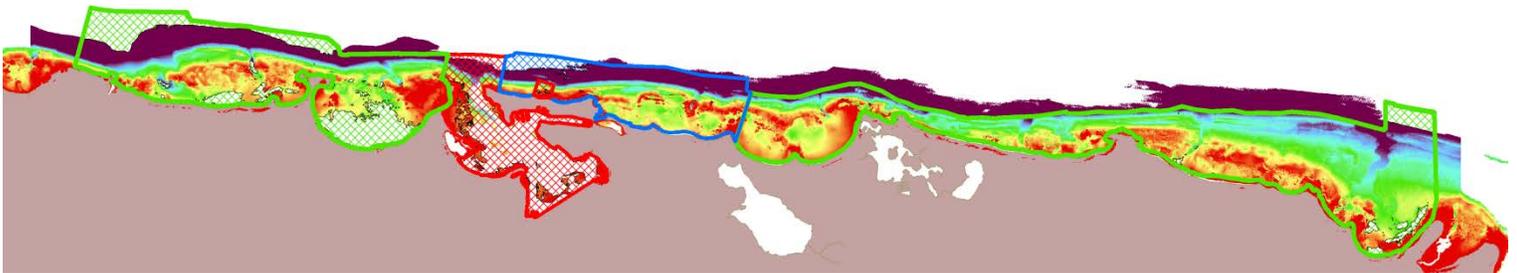


Figure 1: Extents of USACE and RSD lidar coverage overlapping H13041

We intend/propose to clip the assigned sheets with set line spacing and complete coverage requirements to existing lidar coverage extents that have been preliminarily reviewed (ESDRed) by PS James Miller and deemed suitable for charting. For sheets with object detection requirements, the lidar will be used for reconnaissance and to outline the 3.5m NALL. In the areas clipped to lidar coverage, we will identify assigned features to investigate where safe and practicable to do so, more fully developing significant features and providing proper hydrographic feature attribution.



We also intend to collect adequate overlap in junction areas, and identify lidar data areas for small reference surfaces and further empirical accuracy evaluation.

Similarly, one southern assigned complete coverage sheet significantly overlaps with the eastern edge of recently acquired EM710 MBES from a *Nancy Foster* mapping project (NCCOS, preliminary products shared by Tim Battista). We intend to junction with the NF survey data and clip our sheet extent accordingly (Figure 2):

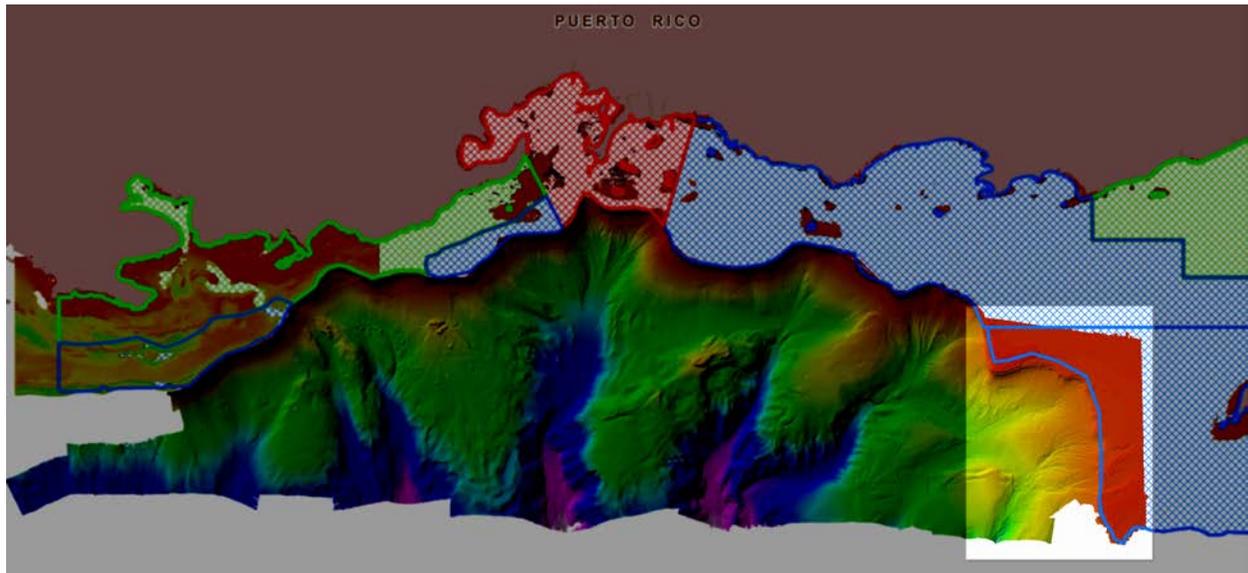


Figure 2: *Nancy Foster* survey extents overlapping H13144

These actions will reduce the assigned project area from 308 SNM to ~250 SNM. The Chief of AHB and I agree that using this existing high quality data increases operational safety, efficiency, and overall productivity.

Decision

Waiver is:

Granted

Denied

cc: Chief, HSD OPS
Chief, AHB
OPS, *Thomas Jefferson*
HCST, *Thomas Jefferson*



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Coast Pilot Review Report for OPR-I369-TJ-18 Puerto Rico Ports

1 message

Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov> Fri, Apr 12, 2019 at 10:54 AM
To: OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>, _NOS OCS NSD Coast Pilot <coast.pilot@noaa.gov>
Cc: Christina Belton - NOAA Federal <christina.belton@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, _OMAO MOA ChiefST Thomas Jefferson <chiefst.thomas.jefferson@noaa.gov>

All,

Please see attached Coast Pilot Review Notes (OPR-I369-TJ-18_Coast Pilot Review Report.pdf).

The only suggested edits concern the entry for the port of Las Mareas and are in Paragraph 508.

Entries referencing depths should be updated in accordance with submitted bathy grids.

--

LT Charles J. Wisotzkey, NOAA
NOAA Ship Thomas Jefferson (S-222)

2 attachments



OPR-I369-TJ-18CoastPilotReport_original.pdf

2311K



OPR-I369-TJ-18_Coast Pilot Review Report.pdf

2264K



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Office of Marine and Aviation Operations,
Marine Operation Center-Atlantic, NOAA Ship *Thomas Jefferson*
Norfolk, Virginia 23510

April 16, 2018

MEMORANDUM FOR: Jay Nunenkamp
Environmental Compliance Coordinator, NOAA Office of Coast
Survey

FROM: ENS Jacquelyn Putnam, NOAA
Junior Officer, NOAA Ship *Thomas Jefferson*

SUBJECT: Recipients of Marine Species Awareness Training

The following personnel of NOAA Ship *Thomas Jefferson* completed the required Marine Species Awareness Training (MSAT) on April 4, 2018:

- LCDR Meghan McGovern
- LT Anthony Klemm
- LT Charles Wisotzkey
- ENS Dale Gump
- ENS Sydney Catoire
- ENS Garrison Grant
- ENS Jacquelyn Putnam
- ENS Taylor Krabiell
- JUE Sharon Gilliam
- EU Andy Medina
- WP Michael Wilson
- ET Thomas Loftin
- ET Richard Conway
- CHST Allison Stone
- HST Kim Glomb
- HST Joshua Hiteshew
- HST Tracey McMillan
- HAST Kevin Brown
- CB Bernard Pouser
- BGL Robert Bayliss
- SS Francine Grains
- SS James Brzostek



- AB Patrick Osborn
- AB Tom Bascom
- AB Stephen Lovett
- GVA Joshua Thompson
- CC Ace Burke
- 2C Patrick Fennel
- 2C Nester Poblete



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

TJ-18-03: San Juan, Ponce and Vicinities, Puerto Rico Final Signed Instructions

2 messages

ChiefOps MOA - NOAA Service Account <chiefops.moa@noaa.gov> Wed, Jun 27, 2018 at 3:55 PM

To: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>
Cc: _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, "CO.MOC Atlantic" <co.moc.atlantic@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, DeputyOps MOA - NOAA Service Account <deputyops.moa@noaa.gov>, Richard Brennan <richard.t.brennan@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>

CDR,

Attached are your signed and final project instructions for Puerto Rico.

Respectfully,
Joe

Joseph K. Carrier III, LCDR/NOAA
Chief of Operations
Marine Operations Center - Atlantic
439 West York Street
Norfolk, VA 23510
Office: (757) 441-6842
Alt Email: joseph.carrier@noaa.gov
<http://www.moc.noaa.gov/MOC-A/index.html>

 **TJ-18-03 v3.1 Final project instruction, OPR-I369-TJ-18 (Puerto Rico) sk.pdf**
7417K

CO Thomas Jefferson <co.thomas.jefferson@noaa.gov> Wed, Jun 27, 2018 at 10:41 PM

To: DeputyOps MOA - NOAA Service Account <deputyops.moa@noaa.gov>
Cc: "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>

MOC-A,

PIs received and acknowledged.

R/

CO TJ

CDR Chris van Westendorp, NOAA
Commanding Officer, NOAA Ship Thomas Jefferson (S-222)
co.thomas.jefferson@noaa.gov
Ship Cell1: (757)647-0187 Cell2: (757)418-0629
VoIP: (541)867-8927/8928 Iridium: (808)434-2706
In-Port Norfolk: (757)441-6322/6323

[Quoted text hidden]



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Office of Marine and Aviation Operations
NOAA Ship *Thomas Jefferson* (S222)
439 West York St, Norfolk, VA 23510

3/29/2018

MEMORANDUM FOR: Corey Allen
Acting Chief, Operations Branch
Hydrographic Surveys Division

FROM: Commander Christiaan van Westendorp, NOAA
Commanding Officer, NOAA Ship *Thomas Jefferson*

SUBJECT: Waiver request – WGS84 Datum, CY2018 Projects

Thomas Jefferson requests a waiver of the HSSD 2017 and HSSD 2018 Section 2.2 Horizontal Datum requirement to acquire and submit survey data in WGS84 rather than NAD83 for all projects in calendar year 2018.

Justification

Retaining the current procedure and configurations will reduce the possibility of errors.

Decision

Waiver is: Granted Denied

cc: OPS, *Thomas Jefferson*
HCST, *Thomas Jefferson*





Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

OPR-I369-TJ-PuertoRico_FinalProject Instructions

1 message

Christina Belton - NOAA Federal <christina.belton@noaa.gov> Tue, Jun 19, 2018 at 6:03 PM

To: ChiefOps MOA - NOAA Service Account <chiefops.moa@noaa.gov>, DeputyOps MOA - NOAA Service Account <DeputyOps.MOA@noaa.gov>

Cc: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, "ChiefST.Thomas Jefferson - NOAA Service Account" <chiefst.thomas.jefferson@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Jay Nunenkamp - NOAA Federal <jay.nunenkamp@noaa.gov>, James Crocker - NOAA Federal <james.m.crocker@noaa.gov>, Rachel Medley - NOAA Federal <rachel.medley@noaa.gov>, Richard Brennan <richard.t.brennan@noaa.gov>, Lorraine Robidoux - NOAA Federal <lorraine.robidoux@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Briana Welton <Briana.Hillstrom@noaa.gov>, John Nyberg - NOAA Federal <john.nyberg@noaa.gov>, Tara Wallace - NOAA Federal <tara.wallace@noaa.gov>, David Lane - NOAA Federal <david.lane@noaa.gov>, Jerry Hovis <gerald.hovis@noaa.gov>, "_NOS.CO-OPS.HPT" <NOS.COOPS.HPT@noaa.gov>, Christopher Hare - NOAA Federal <Christopher.Hare@noaa.gov>, Kristen Crossett - NOAA Federal <kristen.crossett@noaa.gov>

Good Evening Chief Ops MOA, Deputy Ops MOA,

I attached the Final Project Instructions for the project OPR-I369-TJ-18_Puerto Rico to this email.

Please let us know if you have any questions.

Best Regards,
Christina

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

2 attachments

 **OPR-I369-TJ-18_PuertoRico_ProjectInstructions_Final_signed.pdf**
3413K

 **TJ-18-03_OMAO_ProjectInstruction_Final.docx**
129K



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

PR Priorities

1 message

Corey Allen - NOAA Federal <corey.allen@noaa.gov>

Mon, Aug 13, 2018 at 5:42 PM

To: "CO.Thomas Jefferson - NOAA Service Account" <co.thomas.jefferson@noaa.gov>

Cc: Christina Belton - NOAA Federal <christina.belton@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>

CO,

Thank you for your call today. In summary, we discussed the 1. shift in order of planned survey completion and 2. likelihood for planned operations in Sheet 1 to occur with ship pier-side.

1. CO acknowledged sheet 1 as highest priority for project, requested ability to begin operations in sheet 2 and save sheet 1 in the event staffing, weather or mechanical results in the ship alongside in San Juan harbor. Ops agrees as long as ship commits to completing Sheet 1 prior to departing at end of season.

2. No concerns.

Regards, Corey

--

J. Corey Allen

Chief (acting), Operations Branch

Office of Coast Survey, NOAA

Corey.Allen@noaa.gov

240.533.0037 (Office)

301.717.7271 (Cell)

[Click here for information on our planned survey activities](#)

Find us on [Facebook](#), [Twitter](#) and the [NOAA Coast Survey](#) blog



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Puerto Rico

12 messages

Joshua Witmer - NOAA Federal <joshua.d.witmer@noaa.gov> Sat, Jul 28, 2018 at 1:56 PM
To: Anthony Klemm <anthony.r.klemm@noaa.gov>, Charles Wisotzkey <charles.j.wisotzkey@noaa.gov>, _OMAO MOA XO Thomas Jefferson <xo.thomas.jefferson@noaa.gov>
Cc: Max Andersen - NOAA Federal <max.andersen@noaa.gov>, Gretchen Imahori <gretchen.imahori@noaa.gov>, "Stephen A. White" <Stephen.A.White@noaa.gov>

Hello all,

Max and I got the go ahead to both join the TJ during your 04-14Sep cruise. This is with the understanding that RSD will pay for my travel and OMAO/TJ will pay for Max's travel as an augmenter.

I know we initially talked about joining you in August, so does this plan still interest you if we join in September instead?

Regards,
Josh

--

Joshua D. Witmer
Remote Sensing Specialist
NOAA Affiliate - Data Solutions & Technology
National Geodetic Survey
717-799-4673

Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> Mon, Jul 30, 2018 at 3:55 PM
To: Joshua Witmer - NOAA Federal <joshua.d.witmer@noaa.gov>
Cc: Charles Wisotzkey <charles.j.wisotzkey@noaa.gov>, _OMAO MOA XO Thomas Jefferson <xo.thomas.jefferson@noaa.gov>, Max Andersen - NOAA Federal <max.andersen@noaa.gov>, Gretchen Imahori <gretchen.imahori@noaa.gov>, "Stephen A. White" <Stephen.A.White@noaa.gov>

Hi Josh,

This is great news. We are definitely still interested in having you on board in September. I'm not sure how the travel \$\$\$ works. XO would know best, and if we have bunk spaces available for both of you. Charles mentioned you may be able to send us some preliminary coverage products of some of your more recent flights. That'd be helpful for sure.

Best,
Anthony

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

Learn about NOAA nautical charts - www.nauticalcharts.noaa.gov

[Quoted text hidden]

XO.Thomas Jefferson - NOAA Service Account <xo.thomas.jefferson@noaa.gov> Thu, Aug 2, 2018 at 8:35 PM
To: Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>
Cc: Joshua Witmer - NOAA Federal <joshua.d.witmer@noaa.gov>, Charles Wisotzkey <charles.j.wisotzkey@noaa.gov>, Max Andersen - NOAA Federal <max.andersen@noaa.gov>, Gretchen Imahori <gretchen.imahori@noaa.gov>, "Stephen A.

White" <Stephen.A.White@noaa.gov>

That sounds great. The September 4-14 can fit both, and we should be able to fund Max through the Augmenter pool - barring sticky problems EOFY.

R
XO

LCDR Meghan McGovern, NOAA
Executive Officer, NOAA Ship Thomas Jefferson
Ship Land Line: 757-441-6322
Ship Cell: 757-647-0187
Ship Iridium: 808-434-2706
Ship VOIP: 541-867-8927

Follow NOAA Ship Thomas Jefferson on Facebook
<https://www.facebook.com/NOAAShipThomasJefferson>

[Quoted text hidden]

Joshua Witmer - NOAA Federal <joshua.d.witmer@noaa.gov> Fri, Aug 3, 2018 at 4:26 PM
To: "XO.Thomas Jefferson - NOAA Service Account" <xo.thomas.jefferson@noaa.gov>
Cc: Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>, Charles Wisotzkey <charles.j.wisotzkey@noaa.gov>, Max Andersen - NOAA Federal <max.andersen@noaa.gov>, Gretchen Imahori <gretchen.imahori@noaa.gov>, "Stephen A. White" <Stephen.A.White@noaa.gov>

Excellent. We will start preparing our travel requests and work at getting them pushed through.

Anthony,
Do you mind sending your P.R. survey blocks extents? Shapefile or whatever format you have is fine. Just want to make sure we have the latest planned survey areas.

We are inquiring about some shoreline imagery recently collected in P.R. and trying to see if we can get it to you in time. Would this be worth it to you, or is the other imagery you have sufficient enough for you?

Also, once we have your survey sheet areas, we will work at getting you some lidar GeoTiffs that you can hopefully use in Hypack to help navigate the launches in the shallow water areas.

Of course, please let me know of anything else you think of that we can provide to you and let's stay in touch. Looking forward to the trip.

Regards,

Joshua D. Witmer
Remote Sensing Specialist
NOAA Affiliate - Data Solutions & Technology
National Geodetic Survey
717-799-4673

[Quoted text hidden]

Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> Sat, Aug 4, 2018 at 12:32 PM
To: Joshua Witmer - NOAA Federal <joshua.d.witmer@noaa.gov>, Max Andersen - NOAA Federal <max.andersen@noaa.gov>, Gretchen Imahori - NOAA Federal <gretchen.imahori@noaa.gov>, "Stephen A. White" <stephen.a.white@noaa.gov>
Cc: _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>

Hi Josh,

See attached for the sheet boundaries. Just to let you know, we did some more data discovery on DigitalCoast and found some beautiful USACE lidar datasets from 2014 and 2016 (CZMIL) that work very well with the datasets you sent us

earlier. All combined, it may turn out that we won't have to do much work on the north side, except for inside San Juan Harbor. On the first sheet on the north, there are some areas that don't require object detection. They are requiring only 200m set line spacing in some areas, and complete coverage in others. We intend to see how willing HSD Ops is to allow the existing lidar coverage to be good enough in those non-object detection required areas. I believe that this may be the strongest use case for lidar compared to traditional launch survey.

I think any extra high res shoreline imagery would be helpful, especially in resolving some of the dangerous-to-get-to features assigned to us by Ops.

I'll keep you all in touch once we hear back.

Best,
Anthony

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

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3 attachments

 **OPR-I369-TJ-18_PuertoRico_ProjectInstructions_Final_signed.pdf**
952K

 **CSF_PRF_PR.zip**
2136K

 **TJ_Puerto_Rico_Sheets_2018.zip**
586K

Joshua Witmer - NOAA Federal <joshua.d.witmer@noaa.gov>

Fri, Aug 10, 2018 at 11:34 AM

To: Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

Cc: _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, Gretchen Imahori - NOAA Federal <gretchen.imahori@noaa.gov>, Max Andersen - NOAA Federal <max.andersen@noaa.gov>

Anthony,

I am glad that you found the USACE lidar datasets on DigitalCoast. I wanted to bring that to your attention, hoping that it could be useful for you.

Are you planning to use the datasets as a background in Hypack to aid in navigating the survey launches in the shallow water areas? If so, do you have the proper files you need to do so? Or, should we try to generate something for you?

From what I understand, the lidar DEMs that we sent you are gridded to 5m, shoal biased, and referenced to vertical = MLLW, horizontal = NAD83.

When downloading the USACE DEMs from DigitalCoast, I don't believe you have the option to select grid size or shoal biased. However, I don't see that being an issue to help navigate in Hypack. Perhaps something to consider if doing more in depth comparisons with multibeam that you collect.

Regarding imagery; in the event that processing takes longer than anticipated on our end and it takes until the end of September to complete, is that still of significant value to you? Or, not really so much at that point?

Regards,
Josh



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Re: Future PR lidar

11 messages

Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

Tue, Jul 3, 2018 at 11:48 AM

To: Gretchen Imahori - NOAA Federal <gretchen.imahori@noaa.gov>, xo.thomas.jefferson@noaa.gov, OPS.Thomas.Jefferson@noaa.gov

Yes, please. This is great news.

On Jul 3, 2018, at 09:36, Gretchen Imahori - NOAA Federal <gretchen.imahori@noaa.gov> wrote:

Hi Anthony,

Just wanted to touch base with re. our discussion about support from RSD. Mike approved Josh coming to the TJ to help.

Should I touch base with your XO to see if we can make this work?

Thanks and happy 4th!

g

On Tue, May 29, 2018 at 8:05 PM, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> wrote:

Sorry.... yes, Thursday at 10:30. I routinely forget what day it is out here.... they all seem the same.

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
[439 W York Street](#)
[Norfolk, VA 23510](#)
[757-647-0187](tel:757-647-0187)

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On Tue, May 29, 2018 at 7:03 PM, Gretchen Imahori - NOAA Federal <gretchen.imahori@noaa.gov> wrote:

Hi Anthony,

Sorry for any confusion - I can't do Wed at 10:30am. Can you do Thursday or Friday (Thursday at 10:30am or on Friday at 11am or 2pm) to talk to me and Stephen?

Thanks,

g

On Tue, May 29, 2018 at 3:12 PM, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> wrote:

Hi Gretchen,

I'm available tomorrow at 10:30am (Eastern time, right?)

You can best reach me on the ship through our VOIP system:

541-867-8927

541-867-8928

Best,

Anthony

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*

439 W York Street
Norfolk, VA 23510
757-647-0187

Learn about NOAA nautical charts - www.nauticalcharts.noaa.gov

On Tue, May 29, 2018 at 8:06 AM, Gretchen Imahori - NOAA Federal
<gretchen.imahori@noaa.gov> wrote:

Hi Anthony,

Do you have time Thursday at 10:30am or on Friday at 11am or 2pm to talk to me and Stephen?

Thanks,
g

On Wed, May 23, 2018 at 4:03 PM, Anthony Klemm - NOAA Federal
<anthony.r.klemm@noaa.gov> wrote:

Hi Gretchen,

I will be on the TJ for the Puerto Rico work this fall. It'd be great to hear updates about the work you're doing.

Best regards,
Anthony

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
[439 W York Street](#)
[Norfolk, VA 23510](#)
[757-647-0187](#)

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On Mon, May 21, 2018 at 11:42 AM, Gretchen Imahori - NOAA Federal
<gretchen.imahori@noaa.gov> wrote:

Hi Anthony,

Are you going to be FOO during the PR surveys this year? Would like to keep you in the loop with our discussions with HSD on the survey project if you are able/interested. Please let me know.

thanks,
g

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

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

Date: Mon, May 21, 2018 at 12:14 PM

Subject: Re: Future PR lidar

To: Christina Belton - NOAA Federal <christina.belton@noaa.gov>

Cc: Stephen White - NOAA Federal <stephen.a.white@noaa.gov>, Gretchen Imahori - NOAA Federal <gretchen.imahori@noaa.gov>, Corey Allen <corey.allen@noaa.gov>

Thanks Christina. Didn't know (er, or maybe forgot) we had the file.

Stephen and Gretchen - we are planning on setting our inshore limit to 6m depth for hydro acquisition with the hopes the new data will be consistent up to that depth and we can easily junction with it. Please let me know if you think otherwise.

Thanks,
Martha

On Mon, May 21, 2018 at 11:48 AM, Christina Belton - NOAA Federal
<christina.belton@noaa.gov> wrote:

All,

To: Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>
Cc: Joshua Witmer - NOAA Federal <joshua.d.witmer@noaa.gov>, Gretchen Imahori - NOAA Federal <gretchen.imahori@noaa.gov>, Max Andersen - NOAA Federal <max.andersen@noaa.gov>, "Stephen A. White" <stephen.a.white@noaa.gov>

Yup

LCDR Meghan McGovern, NOAA
Executive Officer, NOAA Ship Thomas Jefferson
Ship Land Line: 757-441-6322
Ship Cell: 757-647-0187
Ship Irridium: 808-434-2706
Ship VOIP: 541-867-8927

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Joshua Witmer - NOAA Federal <joshua.d.witmer@noaa.gov>
To: Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Mon, Jul 23, 2018 at 7:27 PM

Charles,

I have a couple follow-up questions from our phone call last week.

Since you all will be a little short-handed during that first P.R. cruise in August, how much nearshore launch ops do you think you will actually end up doing? Are you going to be short on watchstanders and coxswains that maybe only send out one launch periodically?

Also, if you had to guess, how long do you think it will take to finish the north coast sheets before moving to the south coast sheets?

I am asking because trying to gauge what impact it may have if RSD is not able to send someone until the first September cruise, instead of the August cruise.

Thanks. Appreciate the help.
Josh

Joshua D. Witmer
Remote Sensing Specialist
NOAA Affiliate - Data Solutions & Technology
National Geodetic Survey
717-799-4673

[Quoted text hidden]



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

TJ-18-03: San Juan, Ponce and Vicinities, Puerto Rico Final Signed Instructions

2 messages

ChiefOps MOA - NOAA Service Account <chiefops.moa@noaa.gov>

Wed, Jun 27, 2018 at 3:55 PM

To: _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Cc: _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, "CO.MOC Atlantic"

<co.moc.atlantic@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, DeputyOps MOA - NOAA Service Account <deputyops.moa@noaa.gov>, Richard Brennan <richard.t.brennan@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>

CDR,

Attached are your signed and final project instructions for Puerto Rico.

Respectfully,
Joe

Joseph K. Carrier III, LCDR/NOAA
Chief of Operations
Marine Operations Center - Atlantic
439 West York Street
Norfolk, VA 23510
Office: (757) 441-6842
Alt Email: joseph.carrier@noaa.gov
<http://www.moc.noaa.gov/MOC-A/index.html>

 **TJ-18-03 v3.1 Final project instruction, OPR-I369-TJ-18 (Puerto Rico) sk.pdf**
7417K

CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Wed, Jun 27, 2018 at 10:41 PM

To: DeputyOps MOA - NOAA Service Account <deputyops.moa@noaa.gov>

Cc: "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>

MOC-A,

Pls received and acknowledged.

R/

CO TJ

CDR Chris van Westendorp, NOAA

Commanding Officer, NOAA Ship *Thomas Jefferson* (S-222)

co.thomas.jefferson@noaa.gov

Ship Cell1: (757)647-0187 Cell2: (757)418-0629

VoIP: (541)867-8927/8928 Iridium: (808)434-2706

In-Port Norfolk: (757)441-6322/6323

[Quoted text hidden]



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Waiver request for OPR-I369-TJ-18 sheet limit modification

2 messages

Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> Tue, Aug 7, 2018 at 7:25 PM
To: Christina Belton - NOAA Affiliate <christina.belton@noaa.gov>, Corey personal cell Allen <corey.allen@noaa.gov>
Cc: _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, Briana Welton - NOAA Federal <Briana.Hillstrom@noaa.gov>, James Miller <james.j.miller@noaa.gov>

Christina and Corey,

Attached is the waiver request we discussed earlier over the phone. Please let me know if you have any questions or would like more information.

Best regards,
Anthony

LT Anthony Klemm, NOAA
Field Operations Officer
NOAA Ship *Thomas Jefferson*
439 W York Street
Norfolk, VA 23510
757-647-0187

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 **OPR-I369-TJ-18 sheet limit waiver request.pdf**
282K

Christina Belton - NOAA Federal <christina.belton@noaa.gov> Mon, Aug 13, 2018 at 7:04 AM
To: Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>
Cc: Corey personal cell Allen <corey.allen@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, Briana Welton - NOAA Federal <Briana.Hillstrom@noaa.gov>, James Miller <james.j.miller@noaa.gov>

Hi Anthony,
Looks good. The signed waiver is attached.
Many Thanks,
Christina

Christina Belton
Physical Scientist
Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

[Quoted text hidden]

 **OPR-I369-TJ-18 sheet limit waiver request_signed.pdf**
298K



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

ATON discrepancy for F00729 - Yabacoa, PR

3 messages

Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov> Fri, Mar 8, 2019 at 10:33 AM
To: Christina Belton - NOAA Federal <christina.belton@noaa.gov>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>
Cc: _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, _OMAO MOA ChiefST Thomas Jefferson <chiefst.thomas.jefferson@noaa.gov>

Christina, Kyle,

In accordance with Section 1.6.2.2. of HSSD 2018:

Please see below and attached.

Thank you for your input! The information you have provided has been processed and is shown below. You should print it for your information and so that you can remember the specifics of this outage in case we have to call you to gather more information.

You may return to our [home page](#) or click on your browser's BACK button to return to the page from which you came.

Name: Charles J Wisotzkey

Email Address: ops.thomas.jefferson@noaa.gov

Telephone number:

Waterway/Area/State: Yabacoa channel, Puerto Rico

Your Vessel's Name: NOAA Ship THOMAS JEFFERSON

Type of Vessel:

DOC#/ HIN / VIN / State #:

AID Name (from Light List):

Light List Number (LLNR):

Structure Discrepancy: None

Buoy Discrepancy: None

Lighted ATON Discrepancy: None

Other type of discrepancy: Fixed channel markers/lights destroyed and replaced with private buoys

Hazard No

Comments: Information obtained by a NOAA hydrographic survey of Yabacoa conducted on 2018-09-26: The four most seaward charted fixed channel lights (two on each side of the channel) have been replaced with buoys. One buoy was off station but was actively being worked on by private contractors. Light characteristics of buoys unknown. Recommend investigation of current disposition of aids to navigation in the vicinity of Yabacoa, PR.

--

LT Charles J. Wisotzkey, NOAA
NOAA Ship Thomas Jefferson (S-222)

F00729_aton_discrepancy_submission.pdf
96K

Christina Belton - NOAA Federal <christina.belton@noaa.gov>
To: Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Fri, Mar 8, 2019 at 10:41 AM

That's good, it's safer now.

Christina Belton
Physical Scientist

Operations Branch
Hydrographic Surveys Division
Office of Coast Survey, NOAA
240-533-0057
christina.belton@noaa.gov

[Quoted text hidden]

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

Mon, Mar 11, 2019 at 8:27 AM

To: Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Cc: Christina Belton - NOAA Federal <christina.belton@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, _OMAO MOA ChiefST Thomas Jefferson <chiefst.thomas.jefferson@noaa.gov>, Louis Licate - NOAA Federal <louis.licate@noaa.gov>

Charles,

Thanks for this input. Lou is now covering this are. I have forwarded for his awareness.

Lou,

This is a private harbor. It would be good to check with the USCG/Light List to makes sure we are reflecting what is in the real world accurately. Other than Capt. Cruz and David Otani I don't have any contacts for that port.

Kyle

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

On Fri, Mar 8, 2019 at 10:33 AM Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov> wrote:

[Quoted text hidden]



ChiefST.Thomas Jefferson - NOAA Service Account <chiefst.thomas.jefferson@noaa.gov>

Survey Outlines for project OPR_I369_TJ_18

1 message

Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

Wed, Nov 7, 2018 at 7:30 PM

To: survey.outlines@noaa.gov

Cc: Christina Belton - NOAA Federal <christina.belton@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, _OMAO MOA ChiefST Thomas Jefferson <chiefst.thomas.jefferson@noaa.gov>, michael hewlett - NOAA Federal <michael.hewlett@noaa.gov>, Joshua Hiteshew - NOAA Federal <joshua.hiteshew@noaa.gov>, Kevin Brown - NOAA Federal <kevin.w.brown@noaa.gov>, Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, Jacquelyn Putnam - NOAA Federal <jacquelyn.putnam@noaa.gov>

All concerned,

Survey outlines for all surveys conducted by TJ on project OPR_I369_TJ_18 attached; the files can also be downloaded from the following link:

<https://drive.google.com/open?id=1QDb9YsXRQvIXX8y6o0ct2bMhJjQ-uhfm>

- Charles

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LT Charles J. Wisotzkey, NOAA
NOAA Ship Thomas Jefferson (S-222)

 **OPR_I369_TJ_18_Survey_Outlines_20181107.zip**
8471K



Jeffery Marshall - NOAA Federal <jeffery.marshall@noaa.gov>

Re: Yabucoa, PR Shoal Survey Depths Within Channel

1 message

Lou Licate - NOAA Navigation Manager

Fri, Dec 4, 2020 at 10:49

<louis.licate@noaa.gov>

AM

To: Jeffery Marshall - NOAA Federal <jeffery.marshall@noaa.gov>

Cc: Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>, AHB Chief - NOAA Service Account <ahb.chief@noaa.gov>

Thanks Jeff, I'll send this along to USCG and the pilots.

Lou Licate

NOAA Navigation Manager

Florida, Puerto Rico, & U.S. Virgin Islands

[909 SE 1st AVE](#)

[Room 432](#)

[Miami, FL 33131](#)

[202-253-9536](#)

On Fri, Dec 4, 2020 at 8:08 AM Jeffery Marshall - NOAA Federal

<jeffery.marshall@noaa.gov> wrote:

Good afternoon Lou,

I am currently reviewing NOAA survey F00729, which was a Hurricane Maria response survey acquired in the Port of Yabucoa, PR on September 26, 2018. During my review I have identified areas within the federally maintained channel (DRGARE) to have shoaler soundings than the tabulated channel limits currently published on ENC US5PR54M. The shoalest of surveyed depths are 10 to 12 ft (3.0 to 3.65 m) and the channel minimum is documented as 33 ft (10 m). The minimum channel depth has a source date of 03/2012. See attached screenshots.

Shoaling on the northern side of the channel was reported to NDB/MCD on 10/4/2018 by NOAA Ship Thomas Jefferson. Around the same date, correspondence regarding channel shoaling was also forwarded to the Puerto Rico South Coast Pilots and the Chief of

Waterway Management for the Coast Guard. Two (2) soundings were appended to the largest scale chart products on the very edge of the channel, but the charted 26 ft sounding that is within the channel was not revised. The 2018 survey data has

disproved this sounding with depths ranging between 10-12 ft. Attached is the DtoN Report submitted to NDB for reference.

Please forward this information to the appropriate authority and let me know if you have any additional questions or require further information.

Regards,
Jeff Marshall

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Jeff Marshall
Certified Hydrographer/Physical Scientist
NOAA's Office of Coast Survey
Atlantic Hydrographic Branch
439 West York St.
Norfolk, VA 23435
Office Phone: 757-364-7464
Telework Phone: 908-601-2940
Email: jeffery.marshall@noaa.gov

APPROVAL PAGE

F00729

Data meet or exceed current specifications as certified by the OCS survey acceptance review process. Descriptive Report and survey data except where noted are adequate to supersede prior surveys and nautical charts in the common area.

The following products will be sent to NCEI for archive

- Descriptive Report
- Collection of Bathymetric Attributed Grids (BAGs)
- Processed survey data and records
- GeoPDF of survey products

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

Approved: _____

Commander Meghan McGovern, NOAA
Chief, Atlantic Hydrographic Branch