

F00761

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

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: F00761

LOCALITY

State(s): Puerto Rico

General Locality: Mayaguez and Approaches

Sub-locality: Bahía de Mayaguez

2018

CHIEF OF PARTY
Christiaan van Westendorp, CAPT/NOAA

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

F00761

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: **Mayaguez and Approaches**

Sub-Locality: **Bahía de Mayaguez**

Scale: **5000**

Dates of Survey: **10/25/2018 to 10/25/2018**

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

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

Soundings by: **Multibeam Echo Sounder Multibeam Echo**

Imagery by: **Sounder Backscatter Atlantic**

Verification by: **Hydrographic Branch Meters at Mean**

Soundings Acquired in: **Lower Low Water**

Remarks:

Any revisions to the Descriptive Report (DR) applied during office processing are shown in red italic text. The DR is maintained as a field unit product, therefore all information and recommendations within this report are considered preliminary unless otherwise noted. The final disposition of survey data is represented in the NOAA nautical chart products. All pertinent records for this survey are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via <https://www.ncei.noaa.gov/>. Products created during office processing were generated in NAD83 UTM 19N, MLLW. All references to other horizontal or vertical datums in this report are applicable to the processed hydrographic data provided by the field unit.

Descriptive Report Summary F00761	
Project	OPR-I369-TJ-18
Survey	F00761
State	Puerto Rico
Locality	Mayaguez and Approaches
Sub Locality	Bahía de Mayaguez
Scale of Survey	1:5000
Sonars Used	Kongsberg Maritime EM 2040 (MBES)
Horizontal Datum	World Geodetic System (WGS) 1984 NAD83
Vertical Datum	Mean Lower Low Water (MLLW)
Vertical Datum Correction	VDatum
Projection	Projected UTM 19 North
Field Unit	NOAA Ship <i>Thomas Jefferson</i>
Survey Dates	10/25/2018
Chief of Party	Christiaan van Westendorp, CAPT/NOAA

A. Area Surveyed

Hydrographic survey F00761 is located in Bahía de Mayaguez, Puerto Rico. Object detection coverage requirements were met with multibeam echosounder (MBES) sonars and all bathymetric surfaces were gridded at 50 cm.

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

Northwest Limit	Southeast Limit
18° 12' 51.6" N 67° 13' 29.34" W	18° 12' 50.6" N 67° 10' 46.4" W

Table 1: Survey Limits

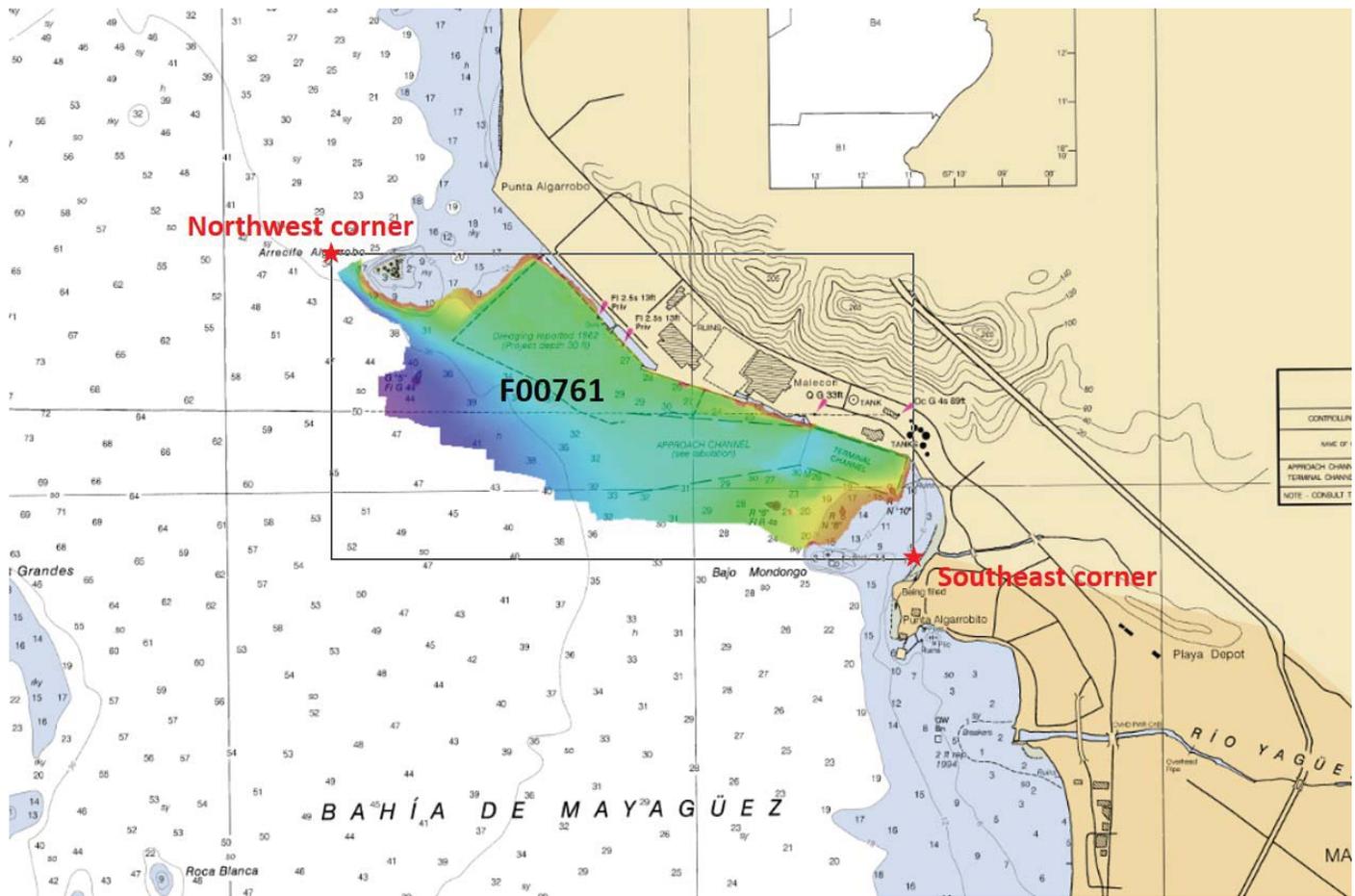


Figure 1: Overview of area surveyed on NOAA Chart 25673

B. Survey Purpose

F00761 was an emergent stakeholder request, approved by the project manager for project OPR-I369-TJ-18, to update nautical charts in support of local ferry and commercial traffic.

C. Intended Use of Survey

The entire survey is adequate to supersede previous data.

D. Data Acquisition and Processing

Please 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. Additional information to supplement sounding and survey data, and any deviations from the DAPR are discussed in the following sections.

E. Uncertainty

The values used to calculate Total Propagated Uncertainty (TPU) are listed below. Refer to the DAPR for more information regarding uncertainty methods.

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

The finalized surface was examined using Pydro QC Tools version 2 (Figures 2 and 3). The surface complies with all requirements in the 2018 Hydrographic Surveys Specifications and Deliverables (HSSD).

Sound speed casts were taken in accordance with DAPR (Figure 4).

MBES crosslines acquired for this survey totaled 5.48% of mainscheme acquisition. Crosslines were compared to mainscheme lines using Pydro Compare Grids (Figure 5). The crossline analysis was performed in accordance with the DAPR and Section 5.2.4.2 of the HSSD. Results yielded a mean difference of 0.03 m with a 0.03 m standard deviation. The mean value was likely due to a small sample size that could not adequately capture the long period random variation associated with the Global Navigation Satellite System (GNSS) positioning solution used to achieve ERS; the standard deviation value and the shape of the distribution of difference values indicated compliance with uncertainty specifications.

Uncertainty Standards

Grid source: F00761_MB_50cm_MLLW_final

99.5+% pass (4,265,695 of 4,265,745 nodes), min=0.49, mode=0.50, max=1.60

Percentiles: 2.5%=0.50, Q1=0.51, median=0.52, Q3=0.53, 97.5%=0.58

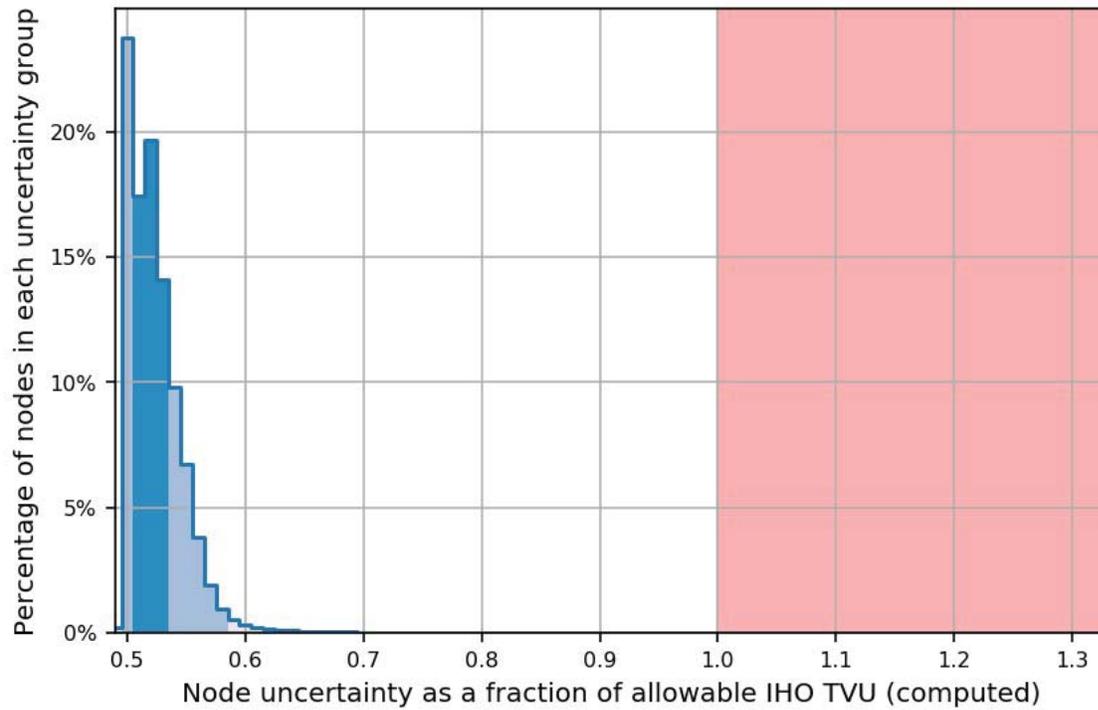


Figure 2: More than 99.5% of nodes in the finalized surface meet HSSD uncertainty requirements

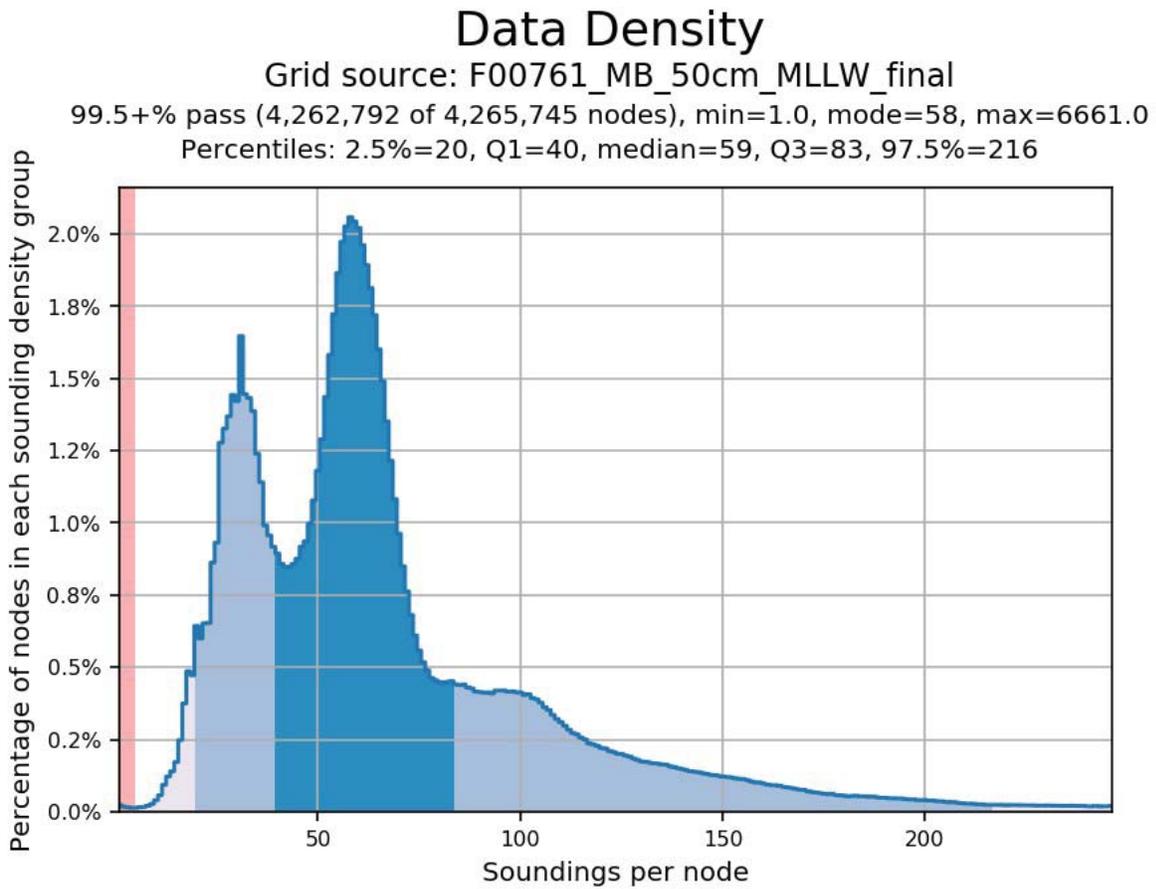


Figure 3: More than 99.5% of nodes in the finalized surface meet HSSD density requirements

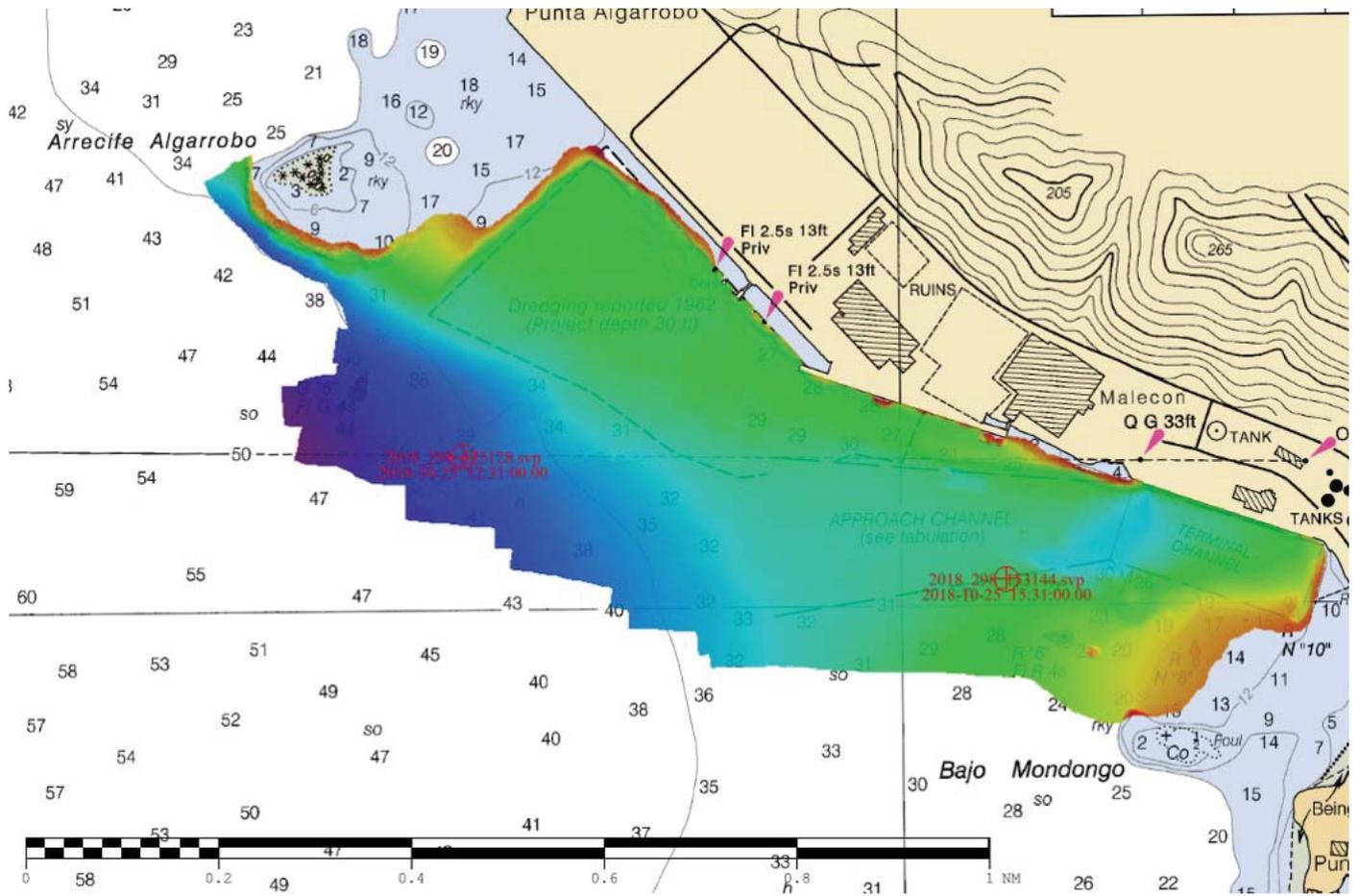


Figure 4: Distribution of sound velocity profile data on survey F00761

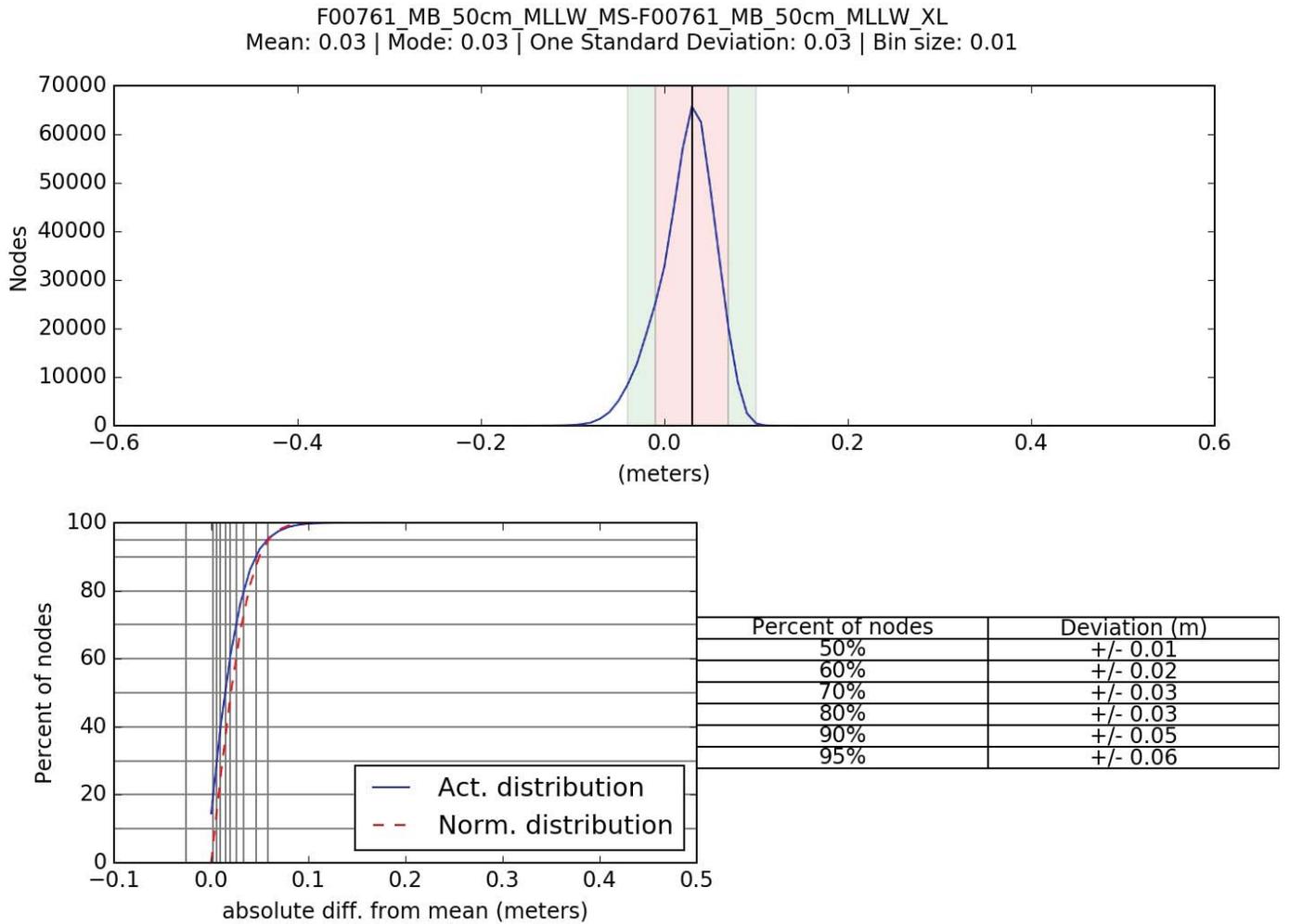


Figure 5: Summary statistics and distribution of crossline-mainscheme difference surface

F. Results and Recommendations

The following are the largest scale ENC that cover the survey area (Table 2):

ENC	Scale	Edition	Update Application Date	Issue Date	Preliminary?
US5PR61M	1:15000	14	08/10/2017	11/30/2018	NO

Table 2: Largest Scale ENCs

ENC US5PR61M is the largest scale chart covering the entire survey area of F00761. See 'Additional Results' for relevant chart comparisons.

The following surfaces and/or BAGs were submitted to the Processing Branch (Table 3):

Surface Name	Surface Type	Resolution	Depth Range	Surface Parameter	Purpose
F00761_MB_50cm_MLLW	CUBE	50 cm	2.424 m - 13.977 m	NOAA_50cm	MB Object Detection Surface
F00761_MB_50cm_MLLW_Final	CUBE	50 cm	2.424 m - 13.977 m	NOAA_50cm	Finalized MB Object Detection Surface
F00761_MBAB_50cm_2904_300kHz_1of1	GeoTiff	50 cm	0 m - 0 m	N/A	MBES Backscatter

Table 3: Submitted Surfaces

G. Vertical and Horizontal Control

The vertical datum for this project is MLLW.

The vertical control method used for this survey was VDatum.

Refer to the DAPR for a complete description of vertical control procedures.

The horizontal datum for this project is World Geodetic System (WGS) 1984. *The projection used for this survey is Projected UTM 19 North.

Refer to the DAPR for a complete description of horizontal control procedures.

****The horizontal datum for all of F00761's final products is per HSSD as NAD83, and projection referenced as UTM 19N.***

H. Additional Results

Figure 6 serves as the chart comparison for survey F00761; designated soundings are highlighted in blue and the following notes correspond with Figure 6:

-Note A: Two soundings were designated but not included in the Final Feature File (FFF) in accordance with Section 7.3.2 of the HSSD. Both soundings are designated to accurately reflect the surface and give cartographic representation of the seafloor (Figures 7 and 8). The 17 ft sounding in the northwest portion of the survey is between the charted 12 ft contour and 18 ft contour. However, the majority of soundings in this area are deeper than 18 feet.

-Note B: Significant shoaling has occurred in the northwestern corner of the reported 30 ft dredging area. Shoaling was determined to be a Danger to Navigation (DTON); reference the FFF and relevant DTON Report for further information.

-Note C: Two obstructions were found along the seawall and submitted as DTONs; shoaling and portions of a collapsed sea wall exist between both obstructions. Reference the FFF and relevant DTON Report for further information.

-Note D: Three obstructions were found within the Approach Channel in Bahía de Mayaguez; obstructions are shallower than the reported controlling depths listed on NOAA Chart 25673 (Figure 9). Reference the FFF and relevant DTON Report for further information.

Reference the FFF for additional information on new features.

Several holidays exist on the perimeter of the gridded surface (see Section 5.2.2.2 of the HSSD), however no holidays exist within the main contiguous body of the finalized surface (Figures 10 and 11).

MBES acoustic backscatter data were acquired and processed as described in the DAPR (Figure 12). The raw MBES acoustic backscatter files (.all), processed GSF files, and floating point geoTIFF mosaic are included in the survey deliverables.

All four buoys within the survey area were present and on station as charted. The charted range for entrance to Mayaguez Harbor was visually verified to no longer exist.*

**** The front range as listed in the USCG District 7 2020 Light List #32355 has been replaced. Review of Google Earth imagery indicates the front range had been replaced and exists. Recommend no charting action.***

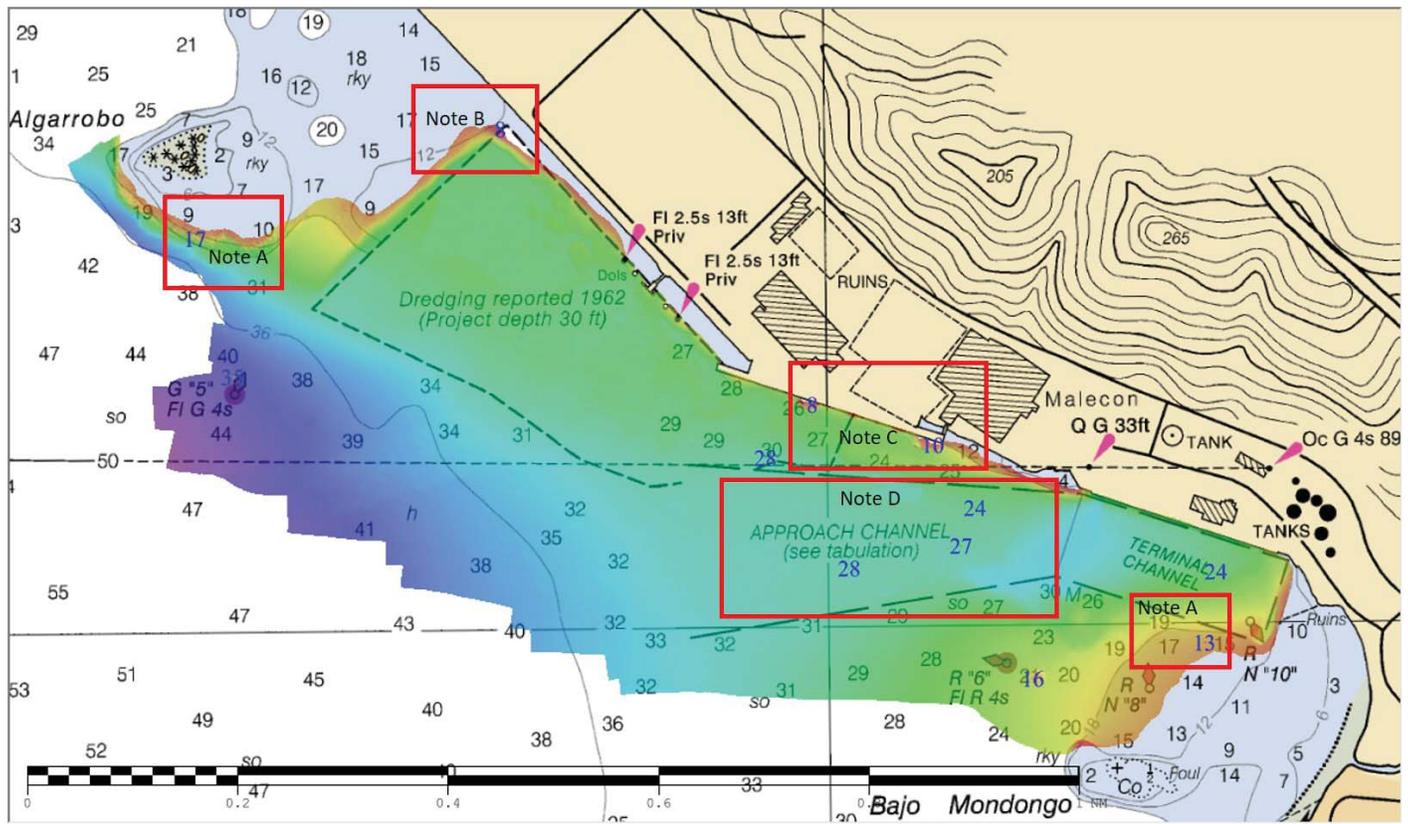


Figure 6: Chart comparison with NOAA Chart 25673 for survey F00761 in Bahía de Mayaguez

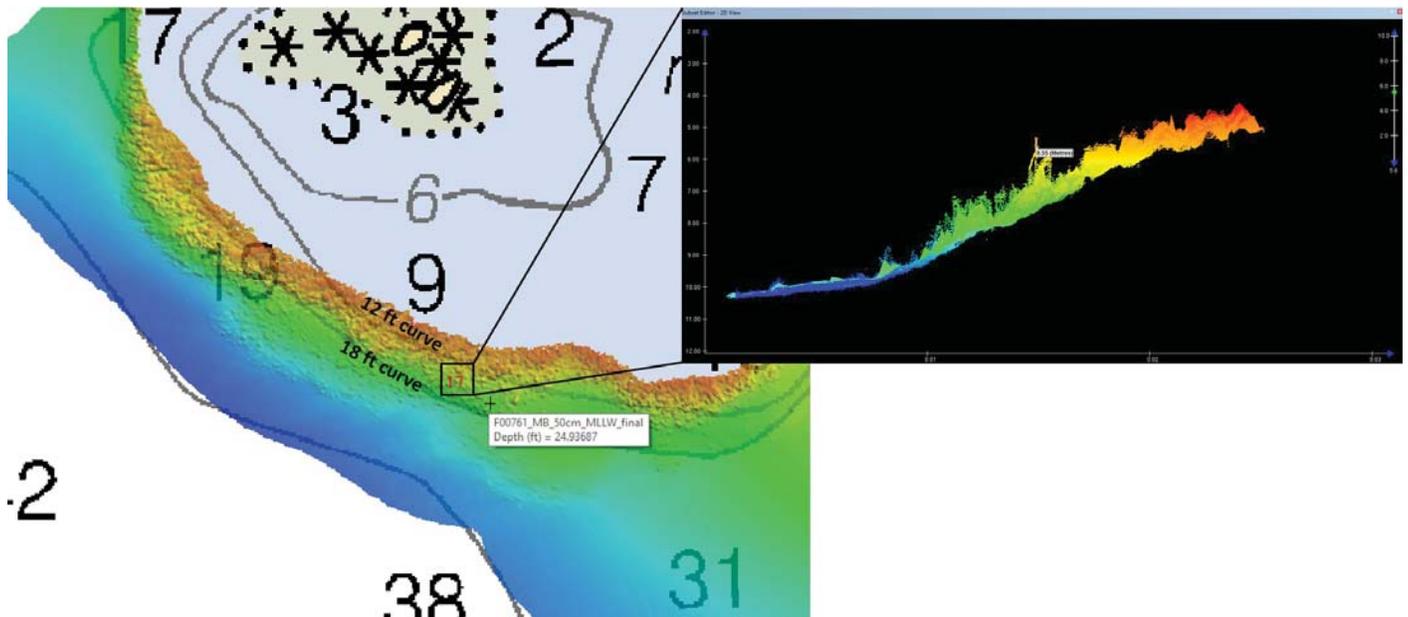


Figure 7: 17 ft designated sounding in the northwest portion of survey F00761

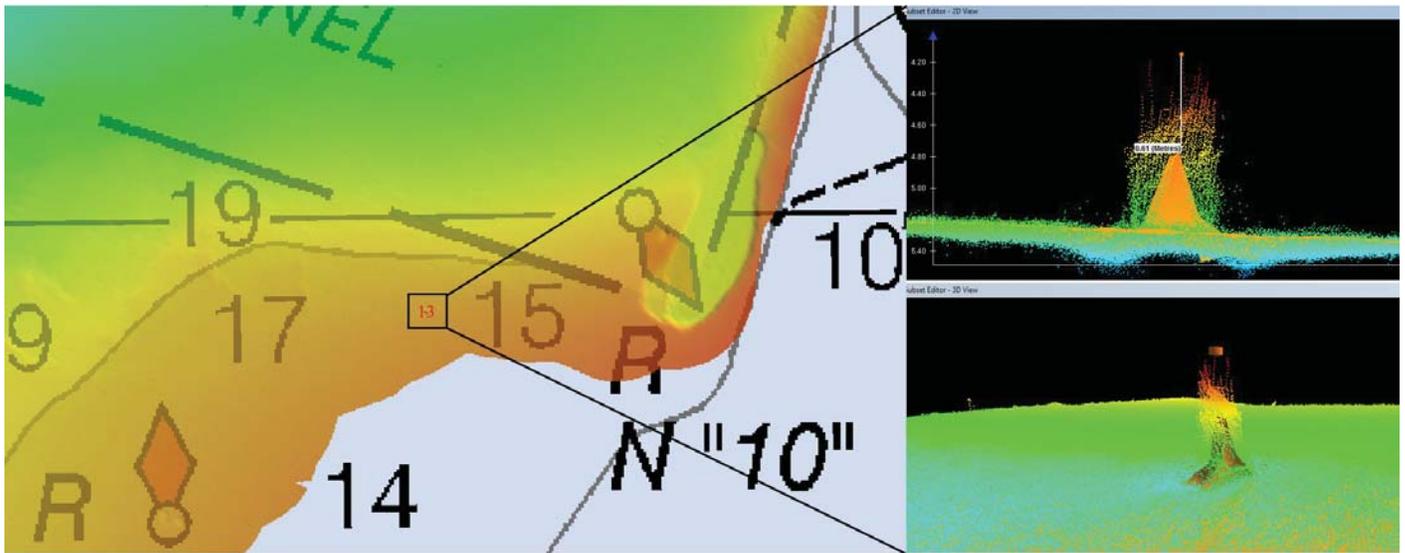


Figure 8: 13 ft designated sounding near R N "10" buoy

MAYAGUEZ HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2017								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
APPROACH CHANNEL	18.4	30.4	31.4	30.3	3-17	1000-500	0.4	30
TERMINAL CHANNEL	20.9	20.6	17.8	13.9	3-17	500	0.2	30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Figure 9: Table of controlling depths from seaward at MLLW in Mayaguez Harbor

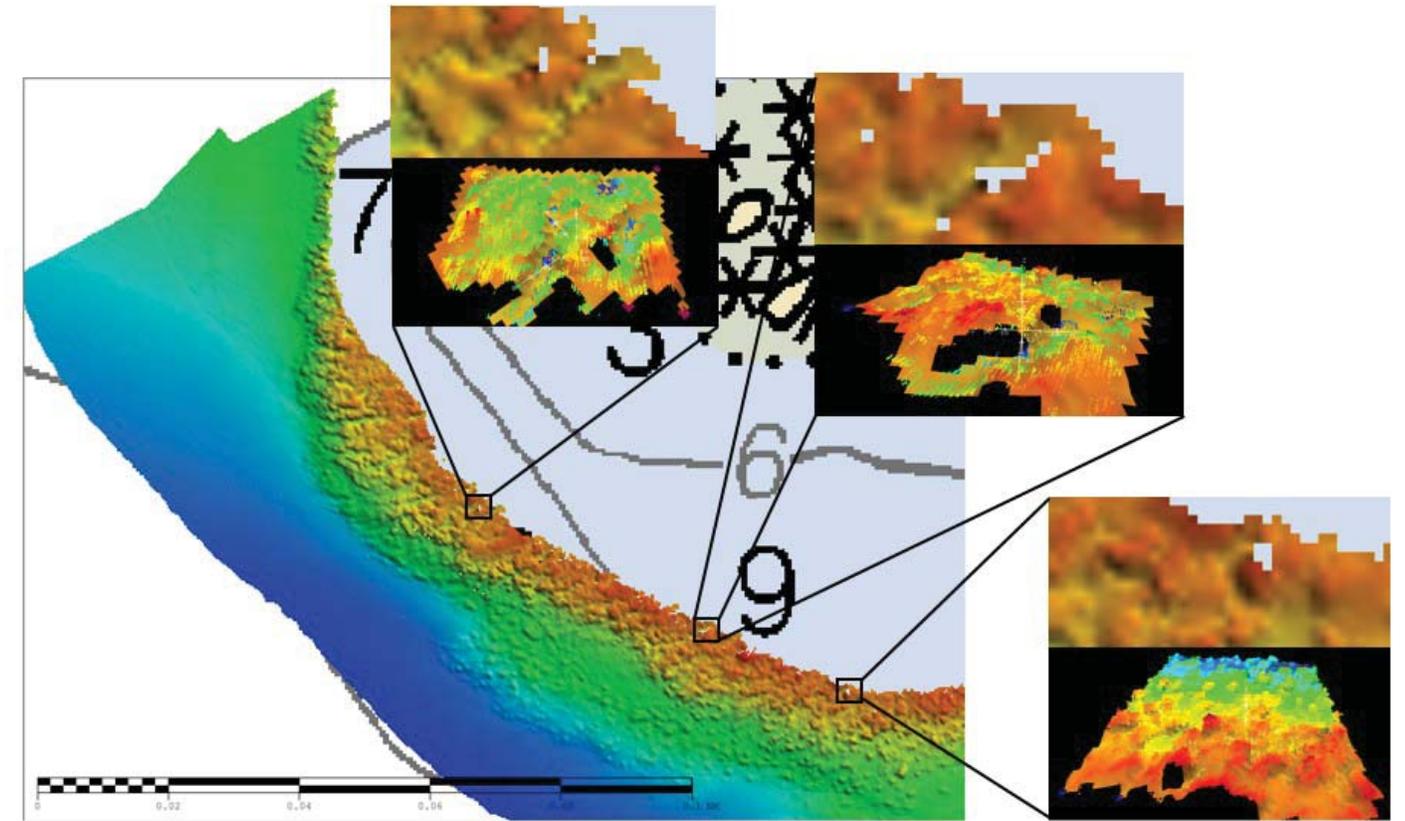


Figure 10: Holidays in northwest portion of survey F00761

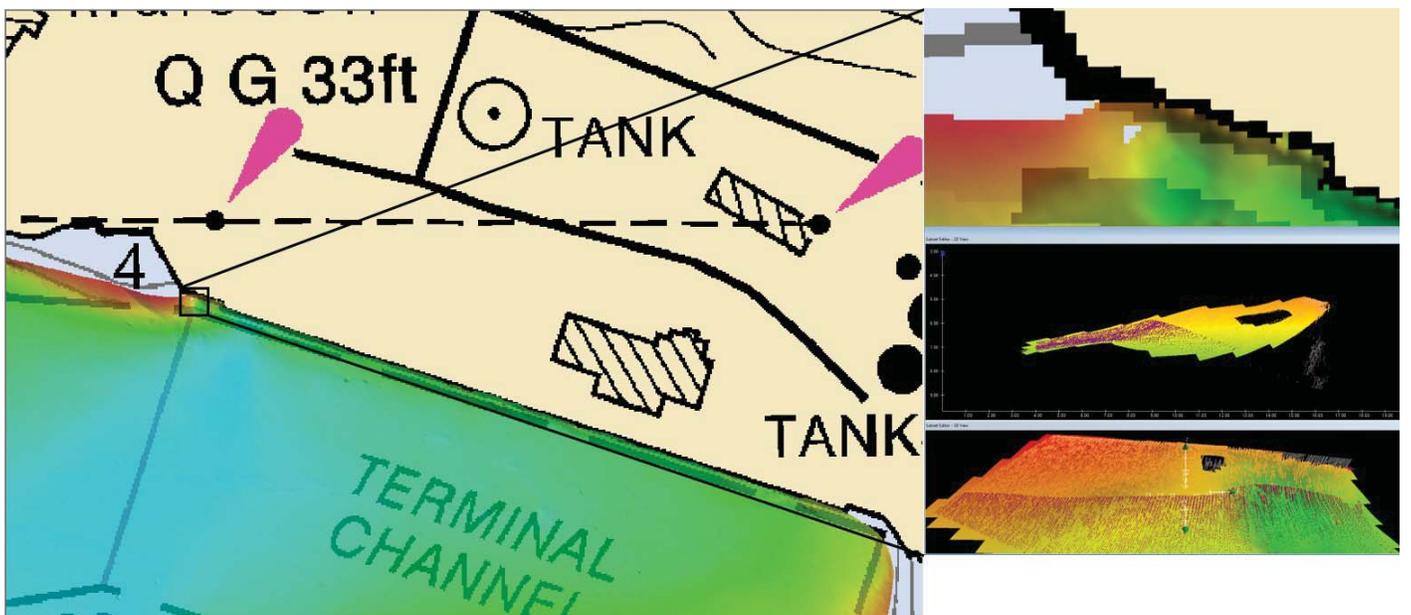


Figure 11: Holiday along sea wall in northwest corner of Terminal Channel in Mayaguez Harbor

Mosaic

F00761_MBAB_50cm_2904_300kHz_1of1.tif

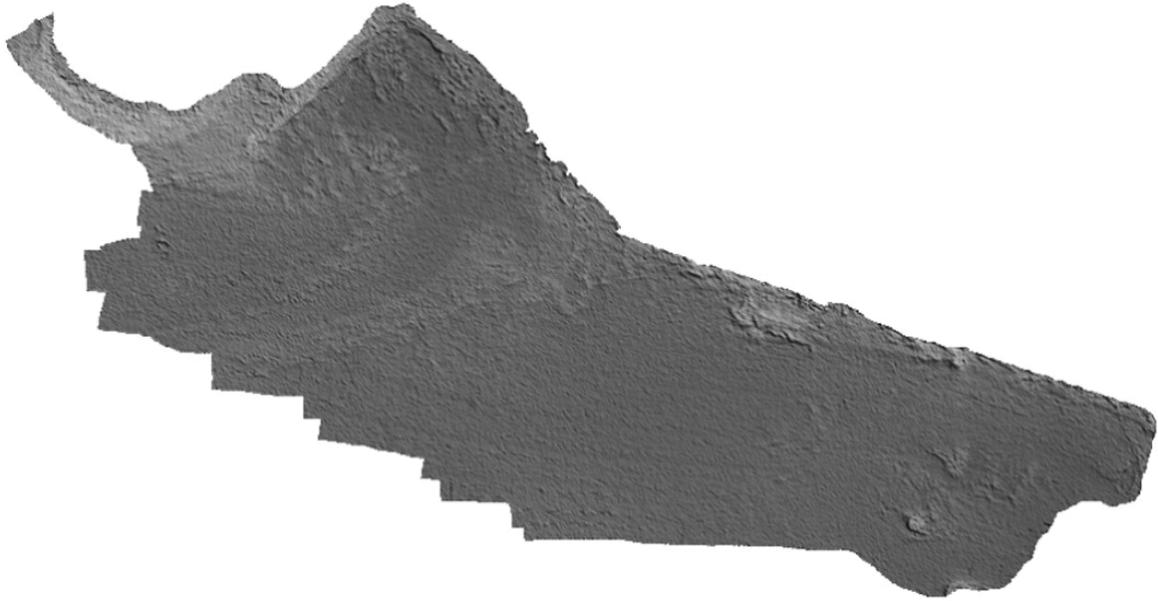


Figure 12: Backscatter GeoTiff from EM2040 data

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	01/28/2019	 VAN WESTENDORP.CHRISTIA AN.HENRY.1012828175 2019.03.14 15:05:44 -04'00'
Charles Wisotzkey, LT/NOAA	Field Operations Officer	01/28/2019	 Digitally signed by WISOTZKEY.CHARLES.JUSTIN. 1300819660 Date: 2019.03.14 08:57:29 -04'00'
Sydney Catoire, LTJG/NOAA	Sheet Manager	01/28/2019	 Digitally signed by CATOIRE.SYDNEY.MARIE.1120060623 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=NOAA, cn=CATOIRE.SYDNEY.MARIE.1120060623 Date: 2019.01.28 10:51:55 -05'00'



Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>

DTON F00761 OPR-I369-TJ-18

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

Wed, Nov 28, 2018 at 5:58 PM

To: Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>

Cc: Briana Welton <Briana.Hillstrom@noaa.gov>, _NOS OCS HSD AHB Danger to Navigation <ahb.dton@noaa.gov>, _NMAO MOA CO Thomas Jefferson <CO.Thomas.Jefferson@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <OPS.Thomas.Jefferson@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>, Corey Allen <Corey.Allen@noaa.gov>, Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>, Joshua Hiteshew - NOAA Federal <joshua.hiteshew@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-30153 has been registered by the Nautical Data Branch and directed to Products Branch G for processing.

The Dtons reported are a shoal and several obstructions in Bahia de Mayaguez, Puerto Rico.

The following chart has been assigned to the record:
25673 kapp 403

The following ENC has been assigned to the record:
US5PR61M

References:
F00761
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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2 attachments

 **F00761_DTOns.000**
4K

 **F00761_DTOns.zip**
1920K



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

DTON Report #2 for F00761 OPR-I369-TJ-18

4 messages

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

Tue, Jan 22, 2019 at 7:55 AM

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

Cc: Briana Welton <Briana.Hillstrom@noaa.gov>, ahb.dton@noaa.gov, "CO. Thomas Jefferson - NOAA Service Account" <co.thomas.jefferson@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, Christina Belton - NOAA Affiliate <christina.belton@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>, Joshua Hiteshew - NOAA Federal <joshua.hiteshew@noaa.gov>

Good morning,

Attached is the DTON Report #2 for F00761. It consists of the following features:

- 1.1) Uncharted 24.6 ft obstruction in surrounding water of approximately 30 feet in Mayaguez Approach Channel
- 1.2) Uncharted 27.2 ft obstruction in Mayaguez Approach Channel- area with listed 30-31 ft controlling depth
- 1.3) Uncharted 28.6 ft obstruction in Mayaguez Approach Channel- area with listed 30-31 ft controlling depth

--

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

3 attachments

 **F00761_DTON_Report_2.000**
4K

 **F00761_DTON_Report_2.pdf**
721K

 **F00761_DTON_Report_2.zip**
964K

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

Tue, Jan 22, 2019 at 10:45 AM

To: Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>

[Quoted text hidden]

3 attachments

 **F00761_DTON_Report_2.000**
4K

 **F00761_DTON_Report_2.pdf**
721K

 **F00761_DTON_Report_2.zip**
964K

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

Mon, Jan 28, 2019 at 8:47 AM

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

thanks

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

[Quoted text hidden]

OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> Mon, Jan 28, 2019 at 1:09 PM

To: Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>
Cc: Briana Hillstrom - NOAA Federal <Briana.Hillstrom@noaa.gov>, _NOS OCS HSD AHB Danger to Navigation <ahb.dton@noaa.gov>, _NMAO MOA CO Thomas Jefferson <CO.Thomas.Jefferson@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <OPS.Thomas.Jefferson@noaa.gov>, Christina Belton - NOAA Federal <christina.belton@noaa.gov>, Corey Allen <Corey.Allen@noaa.gov>, Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>, Joshua Hiteshew - NOAA Federal <joshua.hiteshew@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-30269 has been registered by the Nautical Data Branch and directed to Products Branch G for processing.

The DtoNs reported are several obstructions in Bahia de Mayaguez, Puerto Rico.

The following chart has been assigned to the record:
25673 kapp 403

The following ENC has been assigned to the record:
US5PR61M

References:
F00761
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



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

From: **Charles Wisotzkey - NOAA Federal** <charles.j.wisotzkey@noaa.gov>
Date: Tue, Jan 22, 2019 at 7:56 AM

Subject: DTON Report #2 for F00761 OPR-I369-TJ-18

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

Cc: Briana Welton <Briana.Hillstrom@noaa.gov>, <ahb.dton@noaa.gov>, CO. Thomas Jefferson - NOAA Service Account <co.thomas.jefferson@noaa.gov>, OPS.Thomas Jefferson - NOAA Service Account <ops.thomas.jefferson@noaa.gov>, Christina Belton - NOAA Affiliate <christina.belton@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>, Joshua Hiteshew - NOAA Federal <joshua.hiteshew@noaa.gov>

[Quoted text hidden]

3 attachments

 **F00761_DTON_Report_2.000**
4K

 **F00761_DTON_Report_2.pdf**
721K

 **F00761_DTON_Report_2.zip**
964K



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

Fwd: DTON F00761 OPR-I369-TJ-18

2 messages

OPS.Thomas Jefferson - NOAA Service Account <ops.thomas.jefferson@noaa.gov> Thu, Apr 4, 2019 at 2:22 PM
To: "ChiefST.Thomas Jefferson - NOAA Service Account" <chiefst.thomas.jefferson@noaa.gov>

LT Charles Wisotzkey, NOAA
Field Operations Officer, NOAA Ship *Thomas Jefferson*
439 West York Street
Norfolk, VA 23510
cell: (757) 647-0187
voip: (541) 867-8927
fax: (757) 512-8295
<http://www.moc.noaa.gov/tj/>

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

From: **Charles Wisotzkey - NOAA Federal** <charles.j.wisotzkey@noaa.gov>
Date: Fri, Jan 18, 2019 at 8:48 AM
Subject: Re: DTON F00761 OPR-I369-TJ-18
To: Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>
Cc: OPS.Thomas Jefferson - NOAA Service Account <ops.thomas.jefferson@noaa.gov>, _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Sydney,

Looks good to me. Great job. You are turning into a truly capable hydrographer / future FOO!

CO,

The DTON report materials (F00761_DTON_Report_2) can be found here for your review:

H:\Proc\OPR-I369-TJ-18\F00761\Processed\Reports\Survey\Descriptive_Report\Appendices\II_Supplemental_Survey_Records_Correspondence

V/R,

On Thu, Jan 17, 2019 at 1:10 PM Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov> wrote:

For your review.

Good afternoon,

Attached is the DTON Report for F00761. It consists of the following features:

- 1.1) Uncharted 24.6 ft obstruction in surrounding water of approximately 30 feet in Mayaguez Approach Channel
- 1.2) Uncharted 27.2 ft obstruction in Mayaguez Approach Channel- area with listed 30-31 ft controlling depth
- 1.3) Uncharted 28.6 ft obstruction in Mayaguez Approach Channel- area with listed 30-31 ft controlling depth

Also attached is the .000 S-57 file (in NOAA Profile 5.8).

Please let me know if you have any questions.

--

LTJG Sydney M. Catoire, NOAA
Junior Officer, NOAA Ship Thomas Jefferson

4/4/2019

National Oceanic and Atmospheric Administration Mail - Fwd: DTON F00761 OPR-I369-TJ-18

Ship Land Line: 757-441-6322

Ship Cell: 757-647-0187

Ship Iridium: 808-434-2706

--

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

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

Thu, Apr 4, 2019 at 2:22 PM

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

[Quoted text hidden]



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

Request to register survey of Mayaguez, PR

4 messages

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

Wed, Nov 7, 2018 at 2:47 PM

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

Cc: Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Christina,

TJ conducted a small survey of Mayaguez, PR at the request of local authorities. Please see attached survey outline for location and dates of survey.

We'd like to submit the survey as an F-survey with a DR summary.

Do you approve and can you provide a registry number?

- Charles

--

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

 **OPR_I369_TJ_18_mayaguez.zip**
123K

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

Wed, Nov 7, 2018 at 3:02 PM

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

Cc: Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

You got there!

OK, sure I'll make an rush F sheet registry, and then probably need to follow up with another change to project instructions in a couple of days. But I can make the F sheet first.

The issue with Mayaguez was we did not have EC compliance. We did get it for the three rush surveys from last week.

But since you managed to get Mayaguez surveyed without protest from the Manatees, we ought to use the data!

It's tremendous work you all have done, I have great admiration.

Have a safe trip home!

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]

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

Wed, Nov 7, 2018 at 3:17 PM

To: Christina Belton - NOAA Federal <christina.belton@noaa.gov>
 Cc: Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, _OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Thanks Christina. Appreciate it.

No rush on this on our end. We are processing as normal and can continue without a registry for the time being.

- Charles

[Quoted text hidden]

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

Wed, Nov 7, 2018 at 3:45 PM

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

Cc: Sydney Catoire - NOAA Federal <sydney.catoire@noaa.gov>, "OPS.Thomas Jefferson - NOAA Service Account" <ops.thomas.jefferson@noaa.gov>, _OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>

Here is the registry: F00761

Success - Survey Added			
Survey Number	<i>F00761</i>		
Project Number	<i>OPR-I369-TJ-18</i>		
Survey Type	<i>F</i>		
Locality	<i>Mayaguez and Approaches</i>		
Sub Locality	<i>Bahia de Mayaguez</i>		
State	<i>Puerto Rico,</i>		
Scale	<i>5000</i>		
Sheet	<i>15</i>		
Max/North Latitude (DDMM SS.S)	<i>181332.6</i>	Min/South Latitude (DDMM SS.S)	<i>181250.6</i>
Max/West Longitude (DDDMM SS.S)	<i>0671228.4</i>	Min/East Longitude (DDDMM SS.S)	<i>0670926.3</i>
Affected Charts	<i>25640 25671 25673</i>		
ESNM	<i>0.300000011920929</i>		
Field Unit	<i>NOAA SHIP THOMAS JEFFERSON</i>		
Processing Center	<i>AHB</i>		
Comments	<i>Pilot request.</i>		
Add another survey			
Back To Search Results			

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



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



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

--

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

 **OPR_I369_TJ_18_Survey_Outlines_20181107.zip**
8471K



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



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

APPROVAL PAGE

F00761

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

The following products will be sent to NCEI for archive

- Descriptive Report
- Data Acquisition and Processing Report
- Collection of Bathymetric Attributed Grids (BAGs)
- Processed survey data and records
- GeoPDF of survey products
- Collection of Backscatter mosaics

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