

H13168

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

DESCRIPTIVE REPORT

Type of Survey: Support NMS

Registry Number: H13168

LOCALITY

State(s): Florida

General Locality: Florida Keys National Marine Sanctuary and Vicinity

Sub-locality: 3 Nautical Miles North of Marquesas Keys

2018

CHIEF OF PARTY
David Neff, ACSM C.H.

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

H13168

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): **Florida**

General Locality: **Florida Keys National Marine Sanctuary and Vicinity**

Sub-Locality: **3 Nautical Miles North of Marquesas Keys**

Scale: **40000**

Dates of Survey: **09/06/2018 to 12/19/2018**

Instructions Dated: **07/20/2018**

Project Number: **OPR-H355-KR-18**

Field Unit: **eTrac Inc.**

Chief of Party: **David Neff, ACSM C.H.**

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:

All times are UTC. The purpose of this survey is to update existing NOS nautical charts. H13168 will cover approximately 31 square nautical miles of survey area 3 nautical miles north of Marquesas Keys. SUBCONSULTANT: Geodynamics LLC, 310A Greenfield Dr., Newport, NC 98570

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 17N, MLLW. All references to other horizontal or vertical datums in this report are applicable to the processed hydrographic data provided by the field unit.

Table of Contents

<u>A. Area Surveyed</u>	<u>1</u>
<u>A.1 Survey Limits</u>	<u>1</u>
<u>A.2 Survey Purpose</u>	<u>3</u>
<u>A.3 Survey Quality</u>	<u>3</u>
<u>A.4 Survey Coverage</u>	<u>3</u>
<u>A.5 Survey Statistics</u>	<u>8</u>
<u>B. Data Acquisition and Processing</u>	<u>11</u>
<u>B.1 Equipment and Vessels</u>	<u>11</u>
<u>B.1.1 Vessels</u>	<u>11</u>
<u>B.1.2 Equipment</u>	<u>12</u>
<u>B.2 Quality Control</u>	<u>12</u>
<u>B.2.1 Crosslines</u>	<u>12</u>
<u>B.2.2 Uncertainty</u>	<u>13</u>
<u>B.2.3 Junctions</u>	<u>14</u>
<u>B.2.4 Sonar QC Checks</u>	<u>18</u>
<u>B.2.5 Equipment Effectiveness</u>	<u>18</u>
<u>B.2.6 Factors Affecting Soundings</u>	<u>18</u>
<u>B.2.7 Sound Speed Methods</u>	<u>18</u>
<u>B.2.8 Coverage Equipment and Methods</u>	<u>19</u>
<u>B.2.9 Data Density Evaluation</u>	<u>19</u>
<u>B.3 Echo Sounding Corrections</u>	<u>19</u>
<u>B.3.1 Corrections to Echo Soundings</u>	<u>19</u>
<u>B.3.2 Calibrations</u>	<u>20</u>
<u>B.4 Backscatter</u>	<u>20</u>
<u>B.5 Data Processing</u>	<u>20</u>
<u>B.5.1 Software Updates</u>	<u>20</u>
<u>B.5.2 Surfaces</u>	<u>20</u>
<u>C. Vertical and Horizontal Control</u>	<u>21</u>
<u>C.1 Vertical Control</u>	<u>21</u>
<u>C.2 Horizontal Control</u>	<u>22</u>
<u>D. Results and Recommendations</u>	<u>22</u>
<u>D.1 Chart Comparison</u>	<u>22</u>
<u>D.1.1 Electronic Navigational Charts</u>	<u>22</u>
<u>D.1.2 AWOIS Items</u>	<u>25</u>
<u>D.1.3 Maritime Boundary Points</u>	<u>25</u>
<u>D.1.4 Charted Features</u>	<u>25</u>
<u>D.1.5 Uncharted Features</u>	<u>25</u>
<u>D.1.6 Dangers to Navigation</u>	<u>25</u>
<u>D.1.7 Shoal and Hazardous Features</u>	<u>25</u>
<u>D.1.8 Channels</u>	<u>26</u>
<u>D.1.9 Bottom Samples</u>	<u>26</u>
<u>D.2 Additional Results</u>	<u>27</u>
<u>D.2.1 Shoreline</u>	<u>27</u>

D.2.2 Prior Surveys	27
D.2.3 Aids to Navigation	27
D.2.4 Overhead Features	27
D.2.5 Submarine Features	27
D.2.6 Ferry Routes and Terminals	27
D.2.7 Platforms	30
D.2.8 Significant Features	30
D.2.9 Construction and Dredging	30
D.2.10 New Survey Recommendation	31
D.2.11 Inset Recommendation	31
E. Approval Sheet	32

List of Tables

Table 1: Survey Limits	1
Table 2: Hydrographic Survey Statistics	9
Table 3: Dates of Hydrography	10
Table 4: Vessels Used	11
Table 5: Major Systems Used	12
Table 6: Survey Specific Sound Speed TPU Values	13
Table 7: Junctioning Surveys	15
Table 8: Submitted Surfaces	20
Table 9: Largest Scale ENC's	22
Table 10: DTON Reports	25

List of Figures

Figure 1: Survey Limits (blue area)	2
Figure 2: Survey Limits (black line)	2
Figure 3: Survey Coverage	4
Figure 4: H13168 Survey Coverage Gaps in area shallower than the NALL (area 1)	5
Figure 5: H13168 Survey Coverage Gaps in area shallower than the NALL (area 2)	6
Figure 6: H13168 Survey Coverage Gap outside survey boundary (area 1)	7
Figure 7: H13165 Survey Coverage Gap outside survey boundary (area 2)	8
Figure 8: H13168 Crossline Comparison	13
Figure 9: H13168 Finalized 1m Complete Coverage MBES TPU Statistics (NOAA QC Tools)	14
Figure 10: H13168 - H13169 Junction Comparison	15
Figure 11: H13168 - H13169 Difference Statistics	16
Figure 12: H13168 - H12194 Junction Comparison	16
Figure 13: H13168 - H12194 Difference Statistics	17
Figure 14: H13168 - H12382 Junction Comparison	17
Figure 15: H13168 - H12382 Difference Statistics	18
Figure 16: H13168 Finalized 1m Complete Coverage MBES Density Distribution	19
Figure 17: Raw backscatter from R/V Benthos (DN299)	20

[Figure 18: H13168 Delivered 1m CUBE Surface Coverage Graphic.....](#) [21](#)
[Figure 19: H13168 12ft, 18ft, and 30ft Contour Comparison \(US5FL92M\).....](#) [24](#)
[Figure 20: H13168 Sounding Comparison \(ENC US5FL92M\).....](#) [24](#)
[Figure 21: H13168 Shoaling.....](#) [26](#)
[Figure 22: Ferry Route \(blue line\).....](#) [28](#)
[Figure 23: Ferry Terminal - Key West Ferry Building.....](#) [29](#)
[Figure 24: Ferry Terminal - Fort Jefferson Boat Dock.....](#) [30](#)

Descriptive Report to Accompany Survey H13168

Project: OPR-H355-KR-18

Locality: Florida Keys National Marine Sanctuary and Vicinity

Sublocality: 3 Nautical Miles North of Marquesas Keys

Scale: 1:40000

September 2018 - December 2018

eTrac Inc.

Chief of Party: David Neff, ACSM C.H.

A. Area Surveyed

eTrac Inc. conducted hydrographic survey operations in the Florida Keys National Marine Sanctuary and surrounding vicinity. H13168 covers approximately 31 square nautical miles of survey area. 1657 linear nautical miles were acquired during the survey. H13168 is located approximately 3 nautical miles north of Marquesas Keys off the coast of Key West, Florida.

Survey was conducted within these limits between September 6, 2018 (DN249) and December 19, 2018 (DN353).

A.1 Survey Limits

Data were acquired within the following survey limits:

Northwest Limit	Southeast Limit
24° 41' 15.64" N 82° 11' 52.27" W	24° 37' 16.31" N 82° 3' 13.79" W

Table 1: Survey Limits

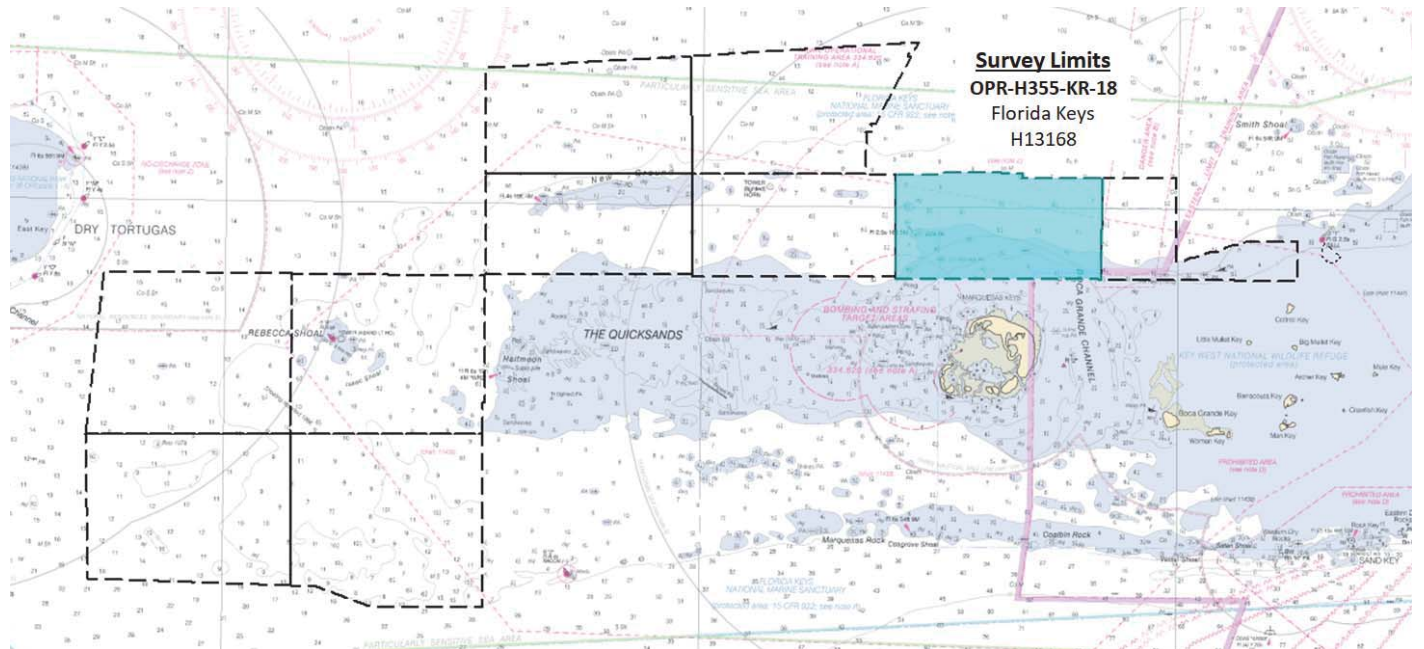


Figure 1: Survey Limits (blue area)

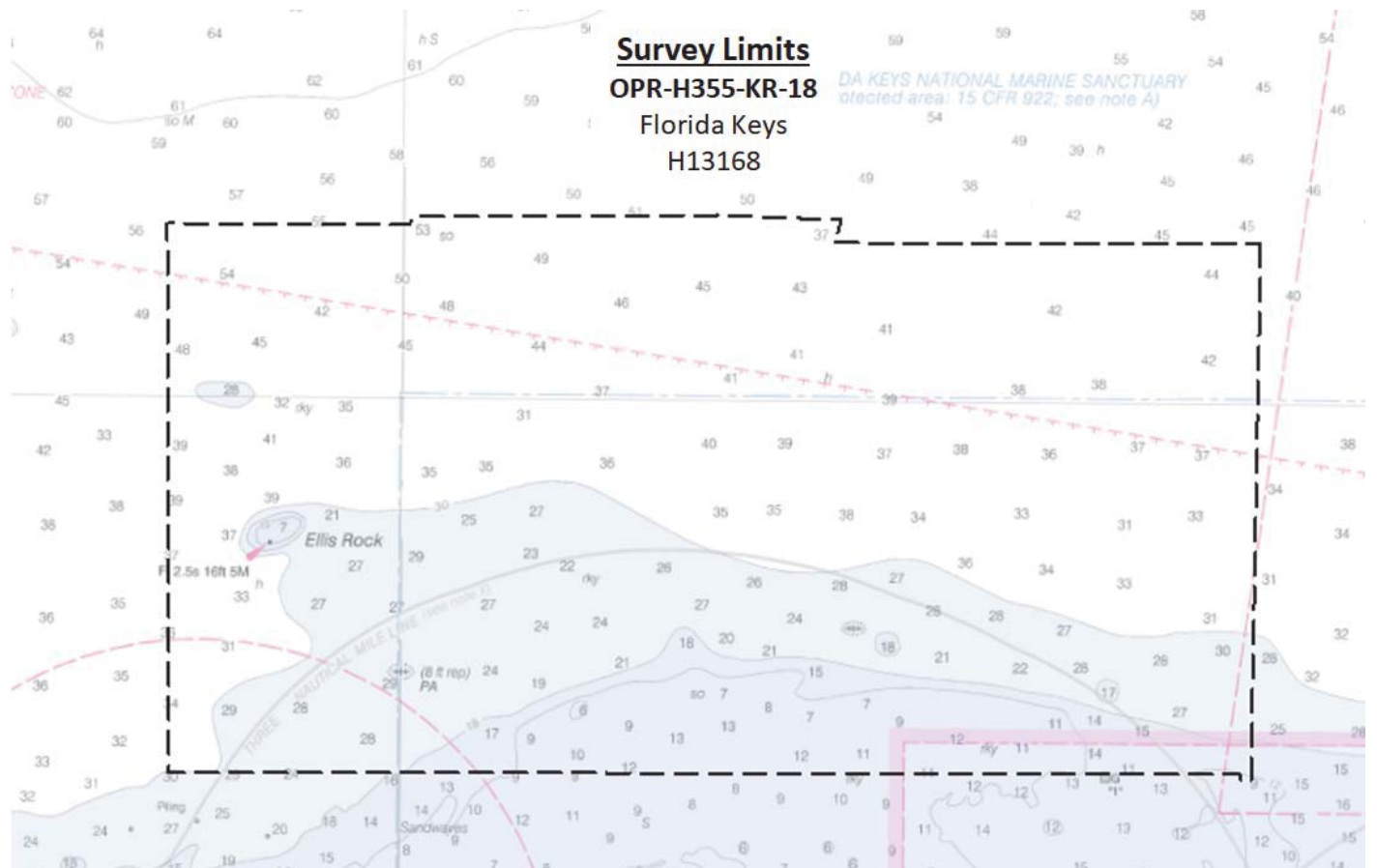


Figure 2: Survey Limits (black line)

All data were acquired in accordance with the requirements in the Project Instructions and specifications set forth in the Hydrographic Survey Specifications and Deliverables 2018 Edition (HSSD 2018).

A.2 Survey Purpose

The purpose of this survey is to update existing National Ocean Service (NOS) nautical charts.

A.3 Survey Quality

The entire survey is adequate to supersede previous data.

Survey H13168 is accurate to International Hydrographic Organization (IHO) Order 1a as required per the HSSD 2018.

A.4 Survey Coverage

Survey Coverage was in accordance with the requirements in the Project Instructions and HSSD 2018. H13168 was surveyed to Complete Coverage with backscatter standards set forth in the HSSD 2018.

Note: There are 48 coverage gaps in the MBES coverage within areas of H13168. 46 are shallower than the Navigable Area Limit Line (NALL) and 2 are outside the survey boundary. As these gaps were shallower than the NALL or outside the survey boundary, they are not identified as holidays. Additionally, it was determined to be unsafe to return to collect full coverage in the NALL as navigation clearance was uncertain.

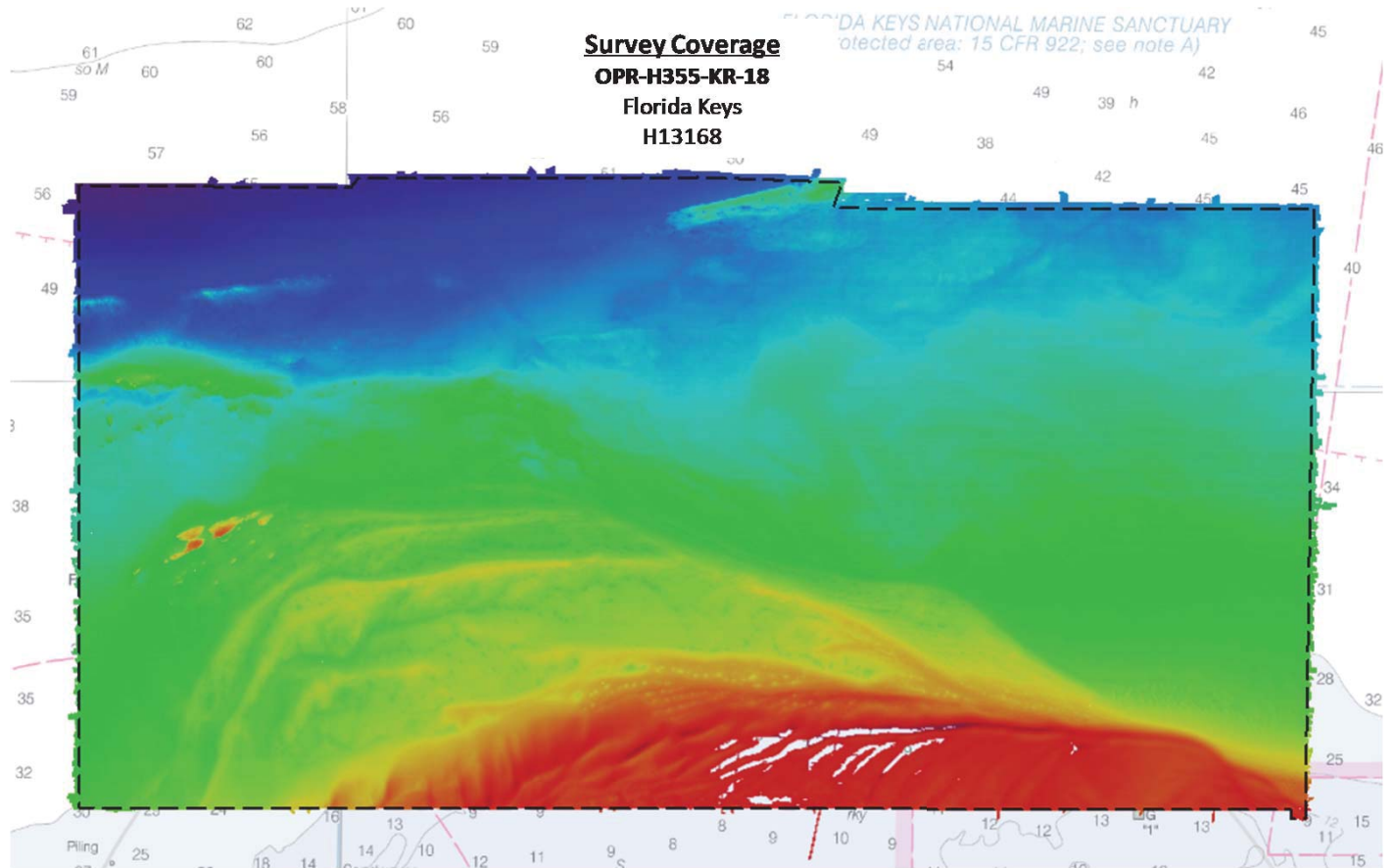


Figure 3: Survey Coverage

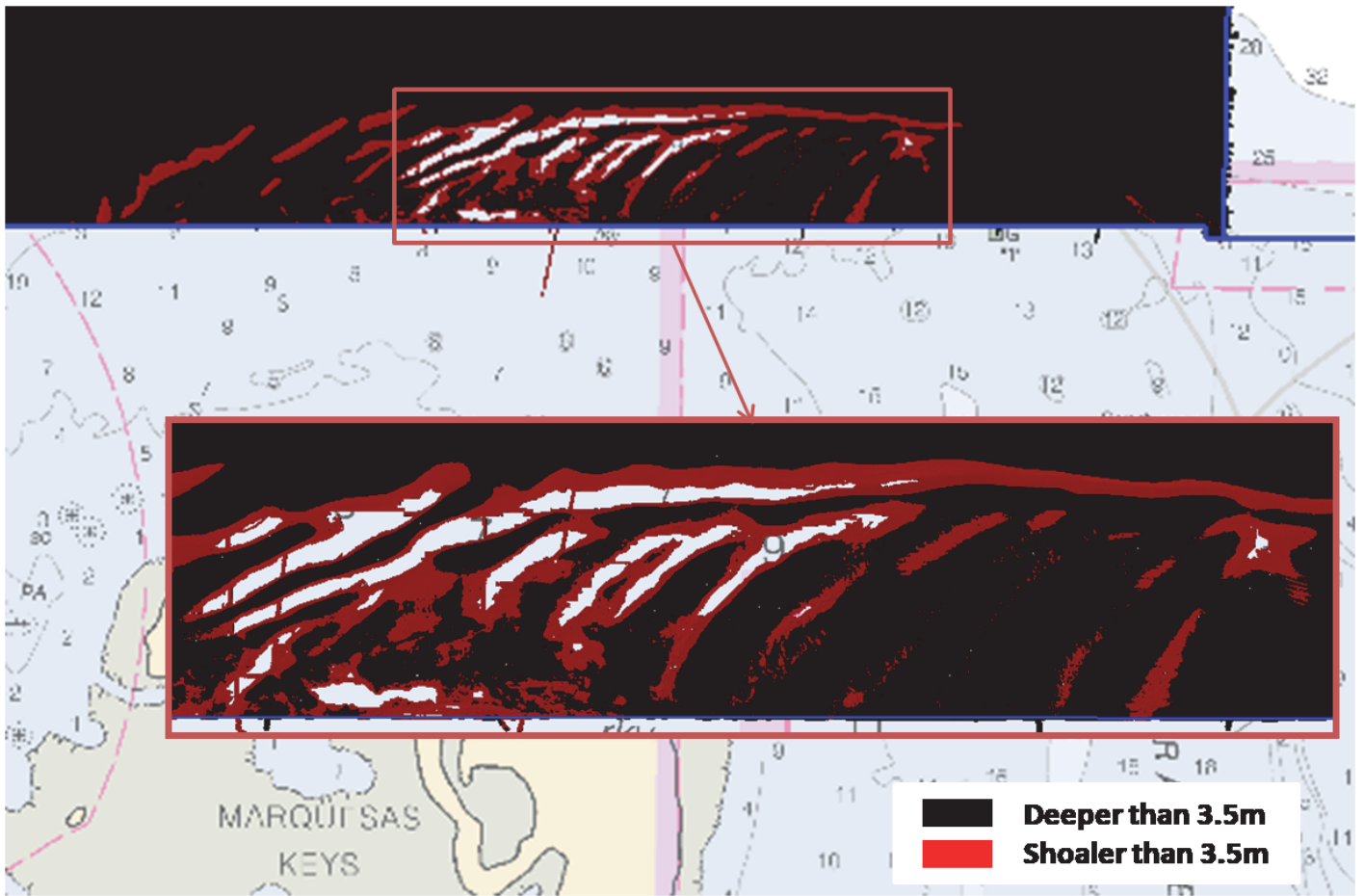


Figure 4: H13168 Survey Coverage Gaps in area shallower than the NALL (area 1)

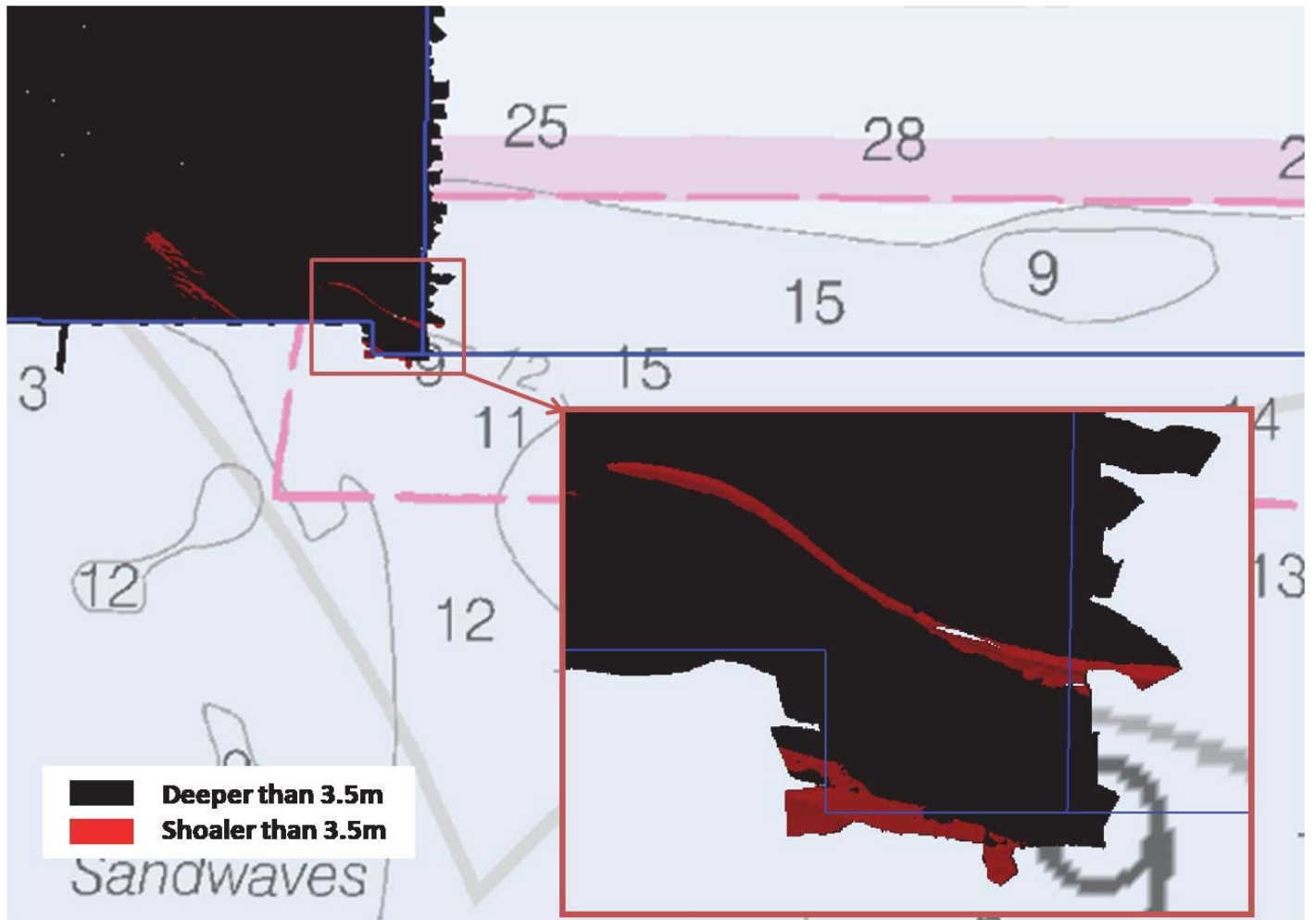


Figure 5: H13168 Survey Coverage Gaps in area shallower than the NALL (area 2)

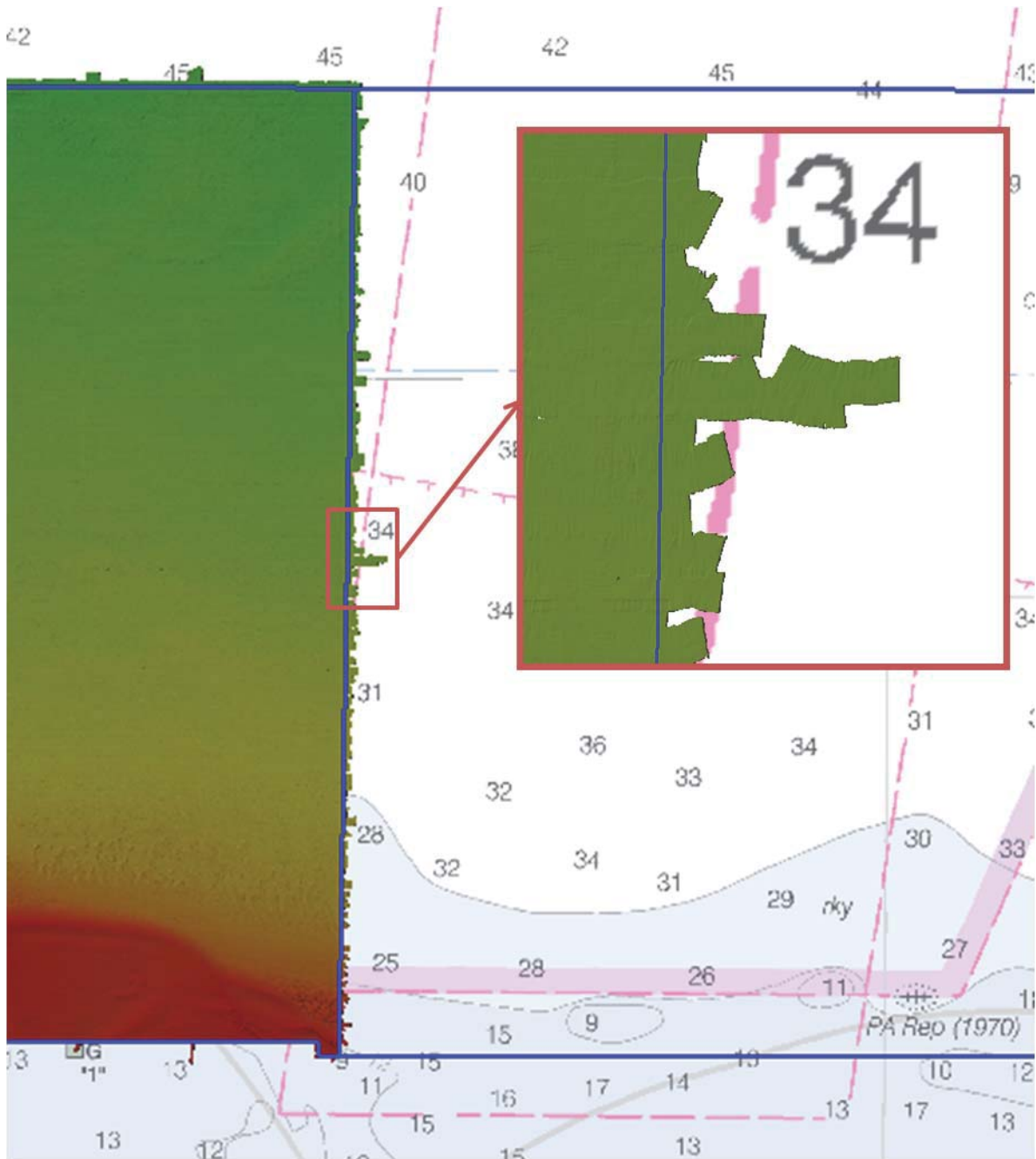


Figure 6: H13168 Survey Coverage Gap outside survey boundary (area 1)

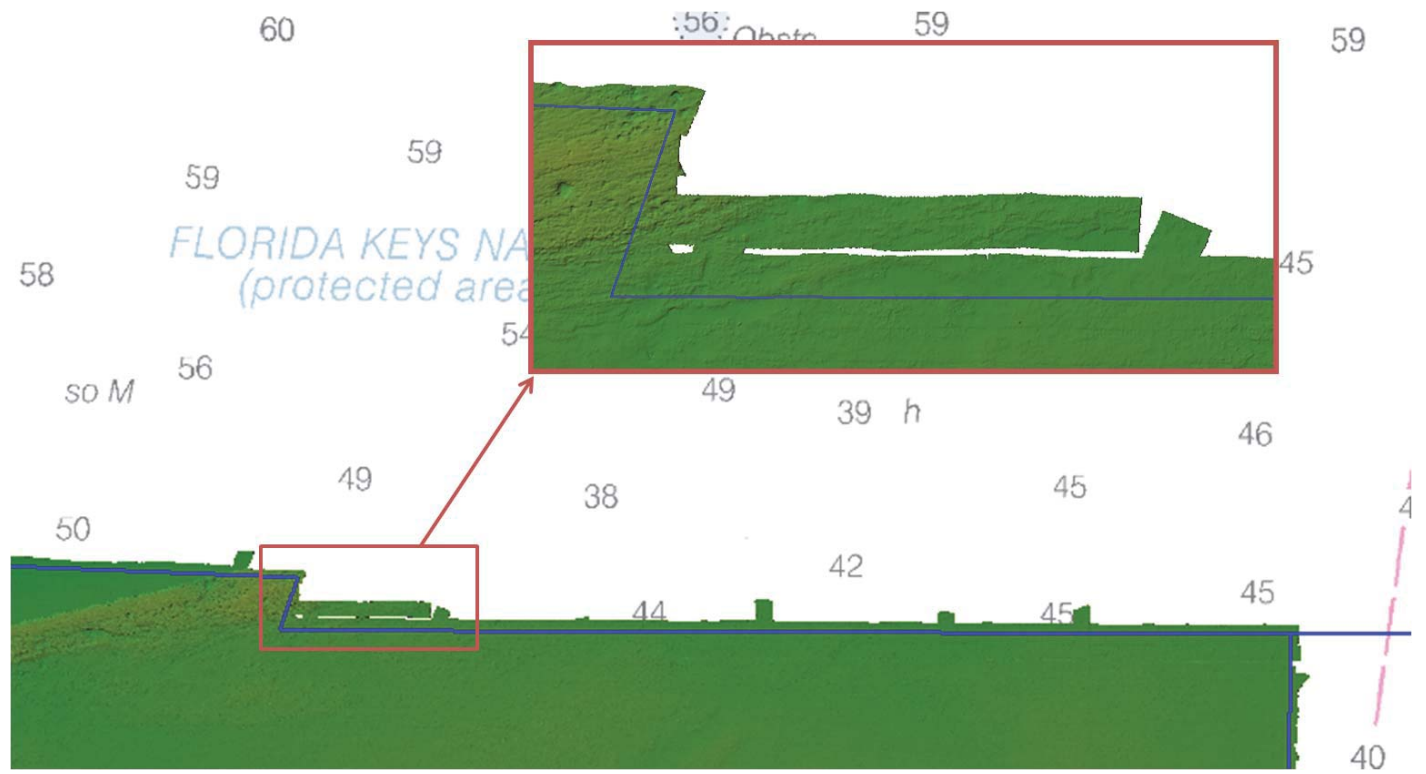


Figure 7: H13165 Survey Coverage Gap outside survey boundary (area 2)

A.5 Survey Statistics

The following table lists the mainscheme and crossline acquisition mileage for this survey:

	HULL ID	<i>Benthos</i>	<i>Taku</i>	<i>Total</i>
LNM	SBES Mainscheme	0	0	0
	MBES Mainscheme	845	746	1591
	Lidar Mainscheme	0	0	0
	SSS Mainscheme	0	0	0
	SBES/SSS Mainscheme	0	0	0
	MBES/SSS Mainscheme	0	0	0
	SBES/MBES Crosslines	66	0	66
	Lidar Crosslines	0	0	0
Number of Bottom Samples				3
Number of AWOIS Items Investigated				0
Number Maritime Boundary Points Investigated				0
Number of DPs				0
Number of Items Investigated by Dive Ops				0
Total SNM				31

Table 2: Hydrographic Survey Statistics

The following table lists the specific dates of data acquisition for this survey:

Survey Dates	Day of the Year
09/06/2018	249
09/07/2018	250
09/08/2018	251
09/11/2018	254
09/18/2018	261
09/21/2018	264
09/22/2018	265
09/26/2018	269
09/27/2018	270
09/28/2018	271
10/04/2018	277
10/11/2018	284
10/15/2018	288
10/19/2018	292
10/23/2018	296
10/24/2018	297
10/25/2018	298
10/26/2018	299
10/27/2018	300
10/29/2018	302
10/30/2018	303
10/31/2018	304
11/01/2018	305
11/02/2018	306
11/03/2018	307
11/04/2018	308
11/05/2018	309
11/06/2018	310
11/07/2018	311
11/09/2018	313
11/10/2018	314
11/13/2018	317
11/14/2018	318
11/19/2018	323
11/20/2018	324

Note: The NOAA XML DR schema does not continue Table 3 Dates of Hydrography onto the next page in the PDF. The table cuts off surveys dates after 11/19/2018, Day of the Year number 323 in the PDF. There are 6 additional survey that were excluded from the table above.

The following is a list of the excluded survey dates:

11/20/2018 324
 11/21/2018 325
 11/27/2018 331
 11/30/2018 334
 12/13/2018 347
 12/19/2018 353

B. Data Acquisition and Processing

B.1 Equipment and Vessels

Refer to the Data Acquisition and Processing Report (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 are discussed in the following sections.

B.1.1 Vessels

The following vessels were used for data acquisition during this survey:

Hull ID	<i>R/V Benthos</i>	<i>R/V Taku</i>
LOA	10 meters	10 meters
Draft	0.6 meters	0.6 meters

Table 4: Vessels Used

The R/V Benthos is a 10 meter aluminum catamaran equipped with a custom over-the-side (port) multibeam hydraulic pole mount.

The R/V Taku is a 10 meter aluminum catamaran equipped with a custom stern multibeam pole mount.

B.1.2 Equipment

The following major systems were used for data acquisition during this survey:

Manufacturer	Model	Type
Kongsberg	2040C	MBES
R2Sonic	2024	MBES
Applanix	POSMV 320 V5	Positioning and Attitude System
AML	Base.X	Sound Speed System
AML	Smart.X	Sound Speed System

Table 5: Major Systems Used

Note: R/V Benthos utilized a dualhead Kongsberg 2040C multibeam echosounder system, an AML Base.X for the sound speed system and a POSMV 320 V5 for the positioning system. R/V Taku utilized a dualhead R2Sonic 2024 multibeam echosounder system, an AML Smart.X for the sound speed system and a POSMV 320 V5 for the positioning system.

B.2 Quality Control

B.2.1 Crosslines

Crosslines acquired for this survey totaled 4% of mainscheme acquisition.

A comparison of crossline mileage to mainscheme mileage yields a crossline percentage of 4.15%, and is noted to be above the required 4%.

A beam-to-beam statistical analysis was performed using the Cross Check tool in Qimera. A 1 meter Combined Uncertainty and Bathymetric Estimator (CUBE) weighted dynamic surface was created incorporating only the mainscheme lines and excluded crosslines. The Cross Check tool was used to perform the beam-by-beam comparison of the crossline data to the mainscheme surface. Comparisons showed excellent agreement, well above 95% of the allowable TVU.

Note: This surface was created for QC only and is not submitted as a surface deliverable.

The beam-to-beam crossline comparison report generated through the Qimera Cross Check tool is included in Separates II.

Below is a histogram of the crossline comparison statistics showing IHO Order 1a compliance per beam.

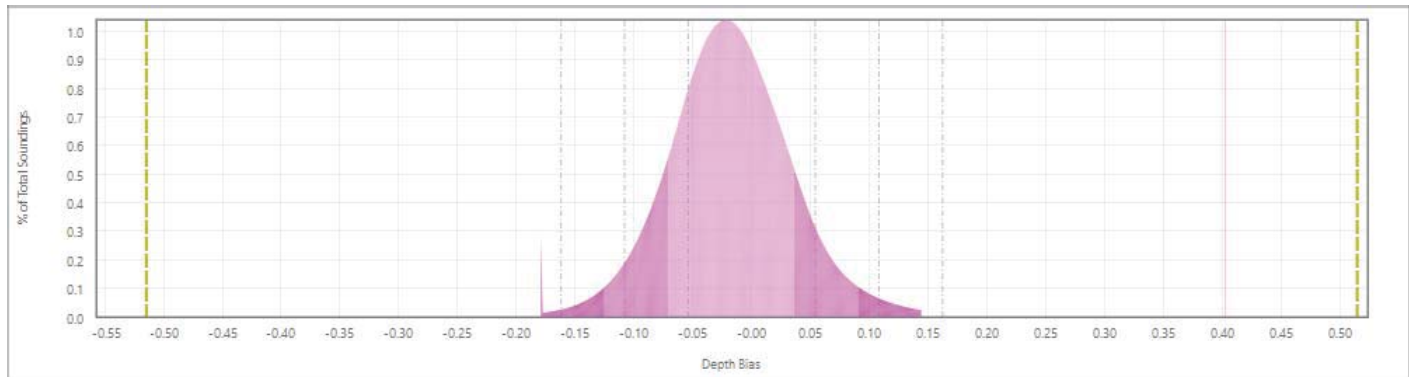


Figure 8: H13168 Crossline Comparison

B.2.2 Uncertainty

Hull ID	Measured - CTD	Measured - MVP	Surface
R/V Benthos	0.05 meters/second	0 meters/second	0.025 meters/second
R/V Taku	0.05 meters/second	0 meters/second	0.025 meters/second

Table 6: Survey Specific Sound Speed TPU Values

Standard deviation and uncertainty layers of the Dynamic Surface were utilized during data processing to search for features, water column noise, and systematic errors.

The final BAG surface's uncertainty was generated through the NOAA QC Tools and an image of the results is located below.

For H13168 the following percentages represent the results of the TPU testing:

Complete Coverage MBES (Finalized 1m CUBE weighted Dynamic Surface in NOAA QC Tools) = + 99.5% of nodes are within the allowable TPU.

Uncertainty Standards

Grid source: H13168_MB_1m_MLLW_Final

99.5+% pass (107,934,724 of 107,934,781 nodes), min=0.00, mode=0.06, max=1.79

Percentiles: 2.5%=0.03, Q1=0.06, median=0.09, Q3=0.14, 97.5%=0.30

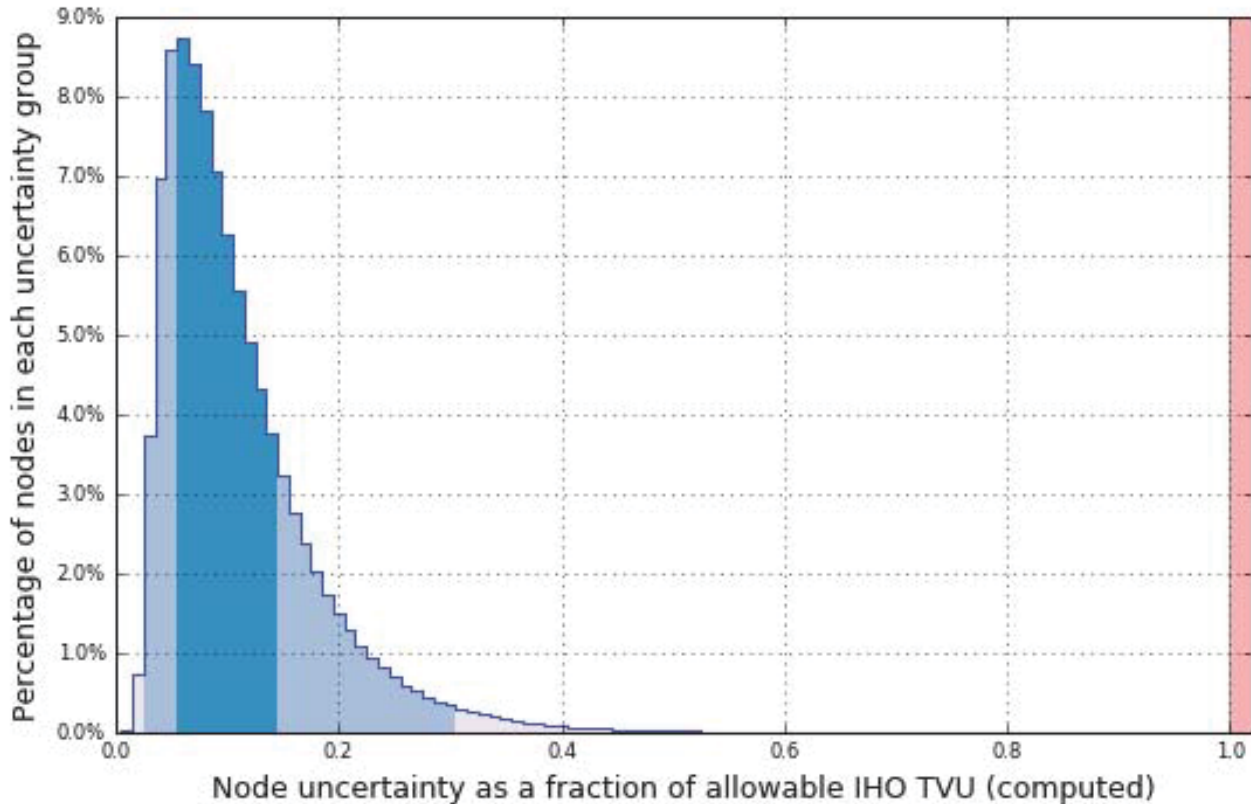


Figure 9: H13168 Finalized 1m Complete Coverage MBES TPU Statistics (NOAA QC Tools)

B.2.3 Junctions

Depth differences between junctioning surveys were evaluated using the JunctionTrac program, developed in-house by eTrac Inc. For each junction, each CUBE weighted dynamic surface's nodes were exported to an ASCII CSV file where the fields were (Easting, Northing, Depth) for each node. A 1 meter difference surface between the junctioning datasets was also created and exported to an ASCII CSV file where the fields were (Easting, Northing, Diff) for each node. The three ASCII CSV files were then loaded into the JunctionTrac program and junction statistics were computed. A file was also created in this process to locate any nodes from the difference surface that exceed the allowable TVU, which was imported into Qimera and any identified points from JunctionTrac were analyzed. Note: the difference surfaces were created for comparison efforts only and are not submitted as surface deliverables.

The following junctions were made with this survey:

Registry Number	Scale	Year	Field Unit	Relative Location
H13167	1:40000	2018	eTrac Inc.	W
H13169	1:40000	2018	eTrac Inc.	E
H12194	1:40000	2010	NOAA Ship THOMAS JEFFERSON	N
H12382	1:10000	2011	Fugro LADS	S

Table 7: Junctioning Surveys

H13167

Note: The junction comparison between H13168 and H13167 will be submitted with the H13167 DR.

H13169

The junction comparison was performed using all overlapping data between H13168 and H13169. Depth differences were evaluated using the JunctionTrac program, developed in-house by eTrac Inc. Below is a histogram of junction comparison statistics showing the difference between the junctioning surfaces and allowable TVU as well as difference statistics. 99.9863% of nodes were within allowable TVU.

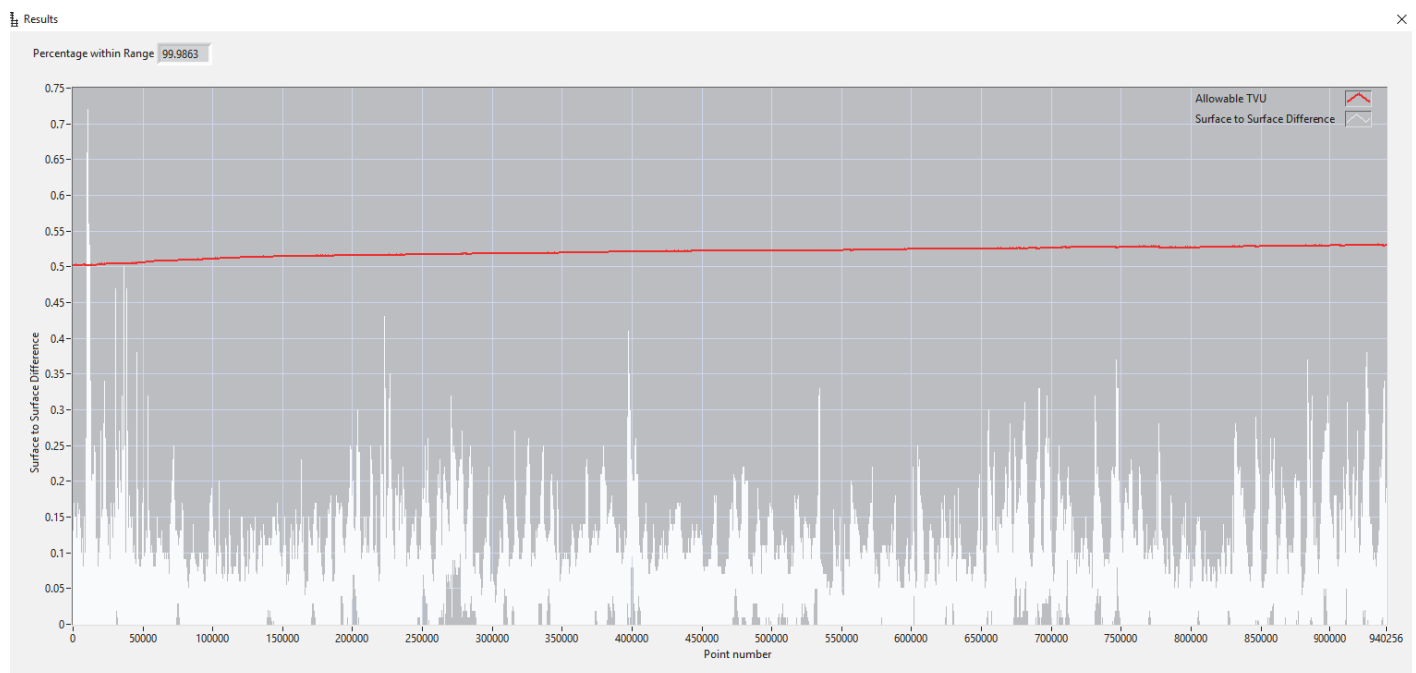


Figure 10: H13168 - H13169 Junction Comparison

Criteria	Number of Nodes	Resulting %
DIFF < 10cm	849731	90.37%
10cm < DIFF < 20cm	86364	9.19%
20cm < DIFF < 30cm	3506	0.37%
DIFF > 30cm	656	0.07%
Total	940257	100.00%

Figure 11: H13168 - H13169 Difference Statistics

H12194

The junction comparison was performed using all overlapping data between H13168 and H12194. Depth differences were evaluated using the JunctionTrac program, developed in-house by eTrac Inc. Below is a histogram of junction comparison statistics showing the difference between the junctioning surfaces and allowable TVU as well as difference statistics. 99.9799% of nodes were within allowable TVU.

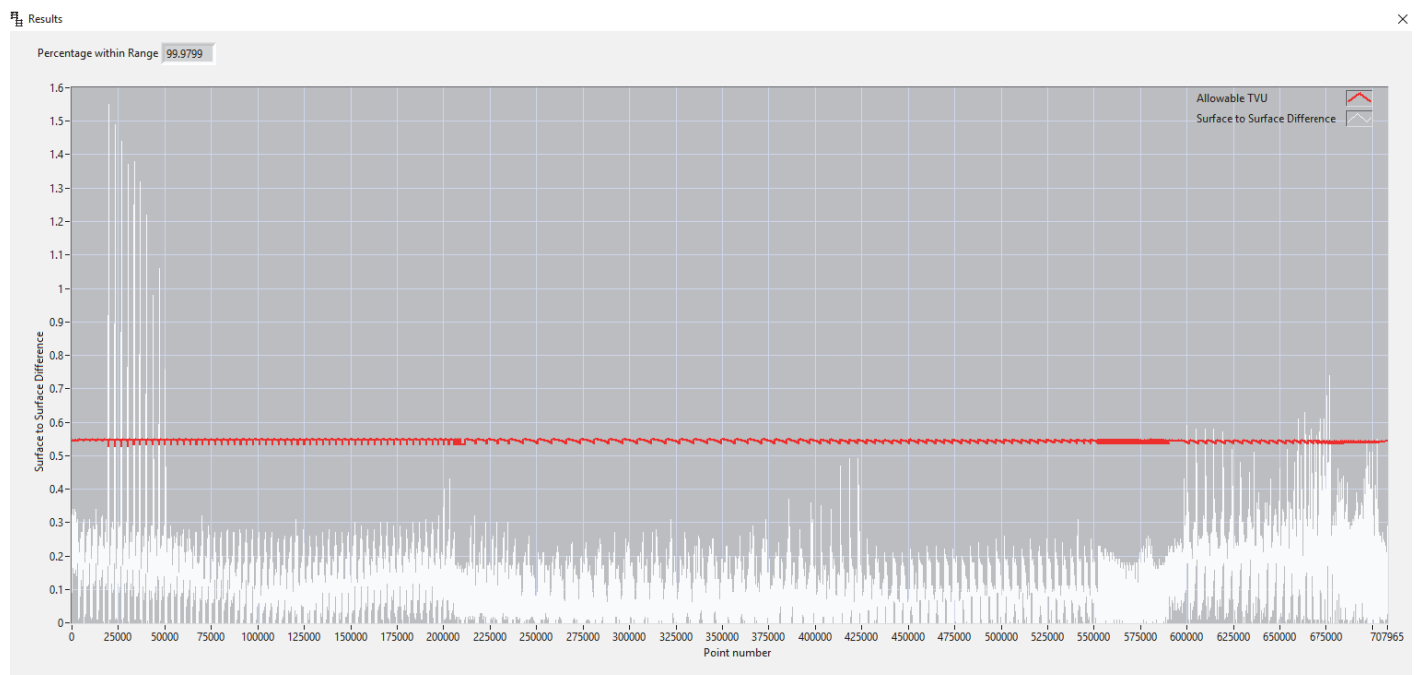


Figure 12: H13168 - H12194 Junction Comparison

Criteria	Number of Nodes	Resulting %
DIFF < 10cm	394590	55.74%
10cm < DIFF < 20cm	254116	35.89%
20cm < DIFF < 30cm	58192	8.22%
DIFF > 30cm	1068	0.15%
Total	707966	100.00%

Figure 13: H13168 - H12194 Difference Statistics

H12382

The junction comparison was performed using all overlapping data between H13168 and H12382. Depth differences were evaluated using the JunctionTrac program, developed in-house by eTrac Inc. Below is a histogram of junction comparison statistics showing the difference between the junctioning surfaces and allowable TVU as well as difference statistics. 95.3154% of nodes were within allowable TVU.

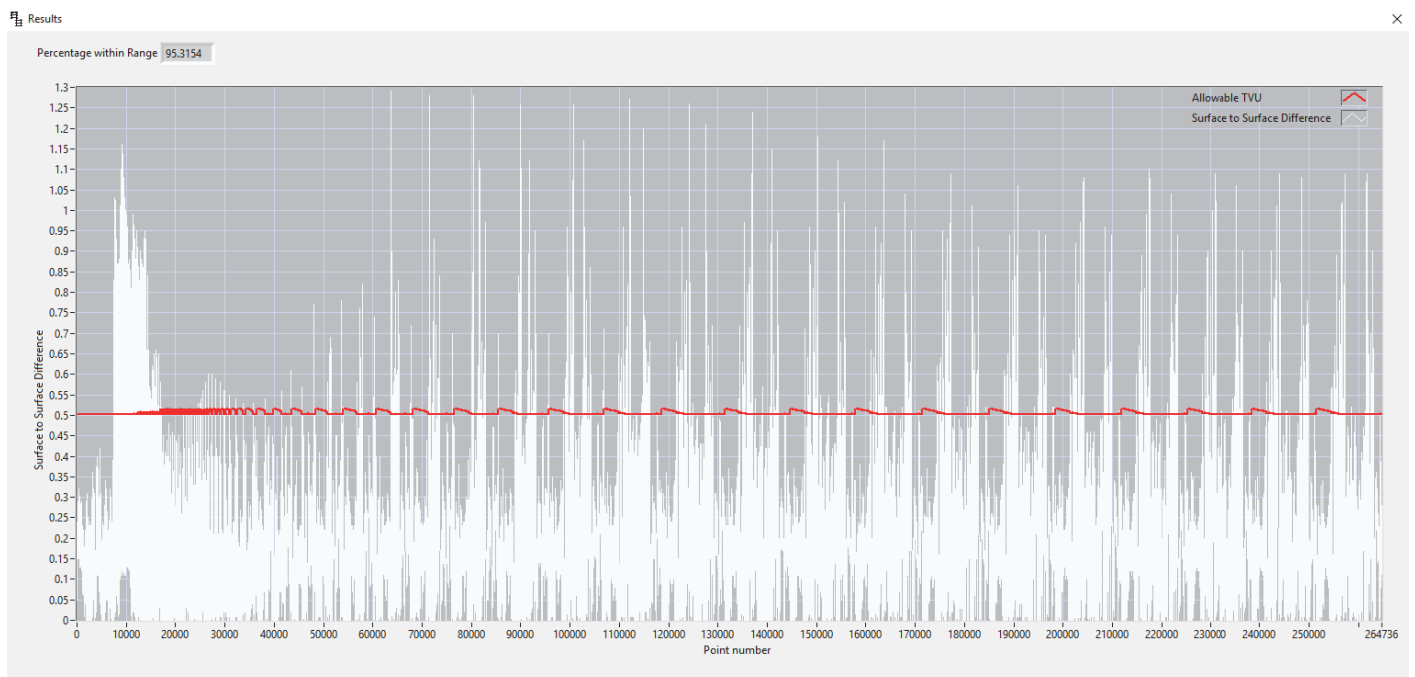


Figure 14: H13168 - H12382 Junction Comparison

Criteria	Number of Nodes	Resulting %
DIFF < 10cm	74803	28.26%
10cm < DIFF < 20cm	92466	34.93%
20cm < DIFF < 30cm	54837	20.71%
DIFF > 30cm	42631	16.10%
Total	264737	100.00%

Figure 15: H13168 - H12382 Difference Statistics

B.2.4 Sonar QC Checks

Sonar system quality control checks were conducted as detailed in the quality control section of the DAPR.

B.2.5 Equipment Effectiveness

There were no conditions or deficiencies that affected equipment operational effectiveness.

B.2.6 Factors Affecting Soundings

There were no other factors that affected corrections to soundings.

B.2.7 Sound Speed Methods

Sound Speed Cast Frequency: SVP casts were generally taken every 2 hours. Occasionally casts would exceed a 2 hour frequency, however would never exceed a 4 hour frequency. On R/V Benthos casts were applied in both QPS QINSy and Kongsberg SIS acquisition software at the time of the cast. On R/V Taku casts were applied in QPS QINSy acquisition software at the time of the cast. Surface SVP measured at 1Hz was compared to surface speed from the current profile in realtime. If the surface velocity comparison was in excess of 2m/s at any time during survey operations, a new cast was taken.

Surface sound speeds were compared in realtime and profile to profile for each cast on the vessel. Additionally, the processor reviewed profiles in Qimera to remove spurious readings within a cast, compare day-to-day casts, and to check distribution over the surveyed area, in order to better understand trends for efficient acquisition planning.

B.2.8 Coverage Equipment and Methods

All equipment and survey methods were used as detailed in the DAPR.

B.2.9 Data Density Evaluation

In order to determine if the density of the data met the specified 5 soundings per node, data density was evaluated using DensityTrac in the AmiTrac program, developed in-house by eTrac Inc. The finalized CUBE weighted dynamic surface's nodes were exported to a BBH file. The BBH file was then loaded into the DensityTrac program and density statistics were computed.

For H13168 the following percentages represent the results of the density query:

Complete Coverage MBES (Finalized 1m CUBE weighted Dynamic Surface) = 99.9763% of nodes are composed from at least 5 soundings.

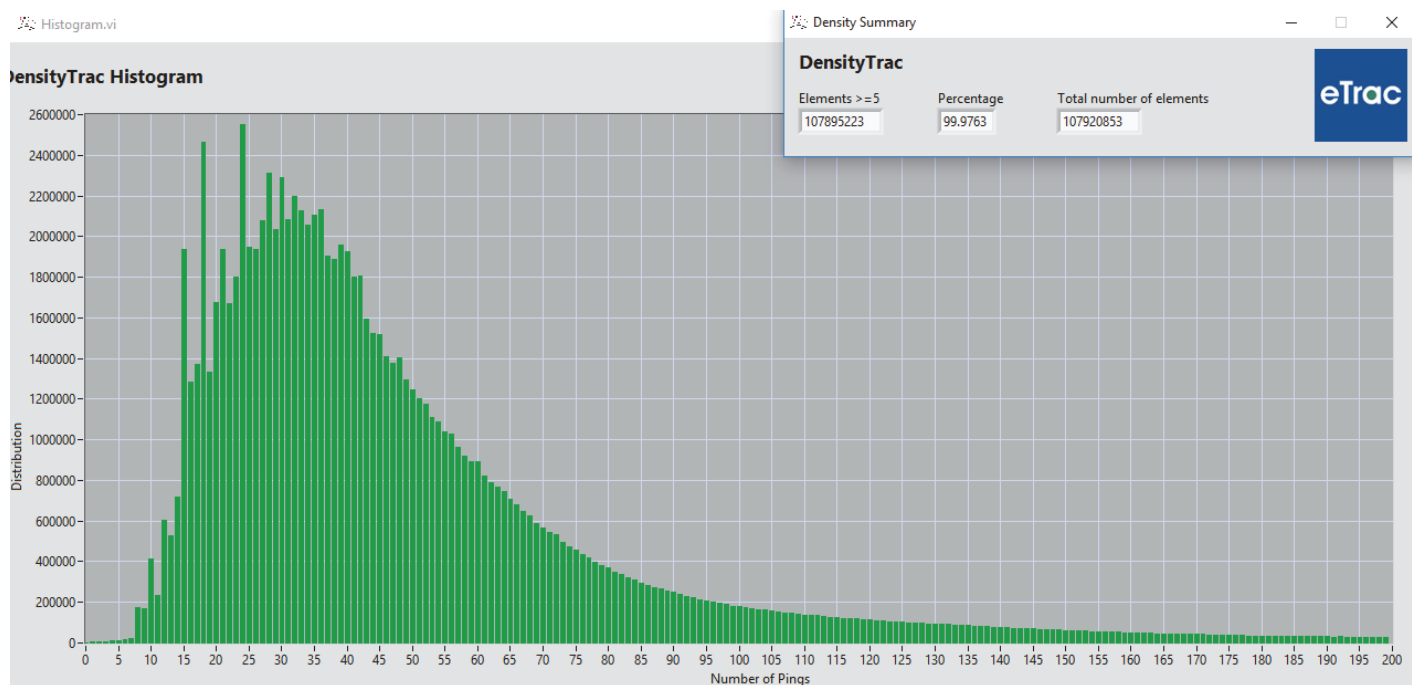


Figure 16: H13168 Finalized 1m Complete Coverage MBES Density Distribution

B.3 Echo Sounding Corrections

B.3.1 Corrections to Echo Soundings

All data reduction procedures conform to those detailed in the DAPR.

B.3.2 Calibrations

All sounding systems were calibrated as detailed in the DAPR.

B.4 Backscatter

Backscatter data were collected throughout the survey and are retained in the raw ALL and DB files. Every effort was made in the field to collect quality backscatter data while maintaining the primary mandate of high quality bathymetric data. While no processing or analysis of backscatter was required, eTrac Inc. verified coverage and general quality of the backscatter data collected. A beam intensity window was monitored in Qinsy during aquisition to ensure backscatter data collection. Raw backscatter data were viewed in QPS FMGeocoder to further confirm collection criteria had been met. Shown below is an example of the unprocessed backscatter mosaic from H13168 DN299.



Figure 17: Raw backscatter from R/V Benthos (DN299)

B.5 Data Processing

B.5.1 Software Updates

There were no software configuration changes after the DAPR was submitted.

The following Feature Object Catalog was used:

No Feature Object Catalog was used. Qimera was used as the primary processing software, which included feature management.

B.5.2 Surfaces

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

Surface Name	Surface Type	Resolution	Depth Range	Surface Parameter	Purpose
H13168_MB_1m_MLLW_Final	BAG	1 meters	2.15 meters - 17.78 meters	NOAA_1m	Complete MBES

Table 8: Submitted Surfaces

A 1m surface is provided meeting complete coverage MBES with backscatter specifications for H13168.

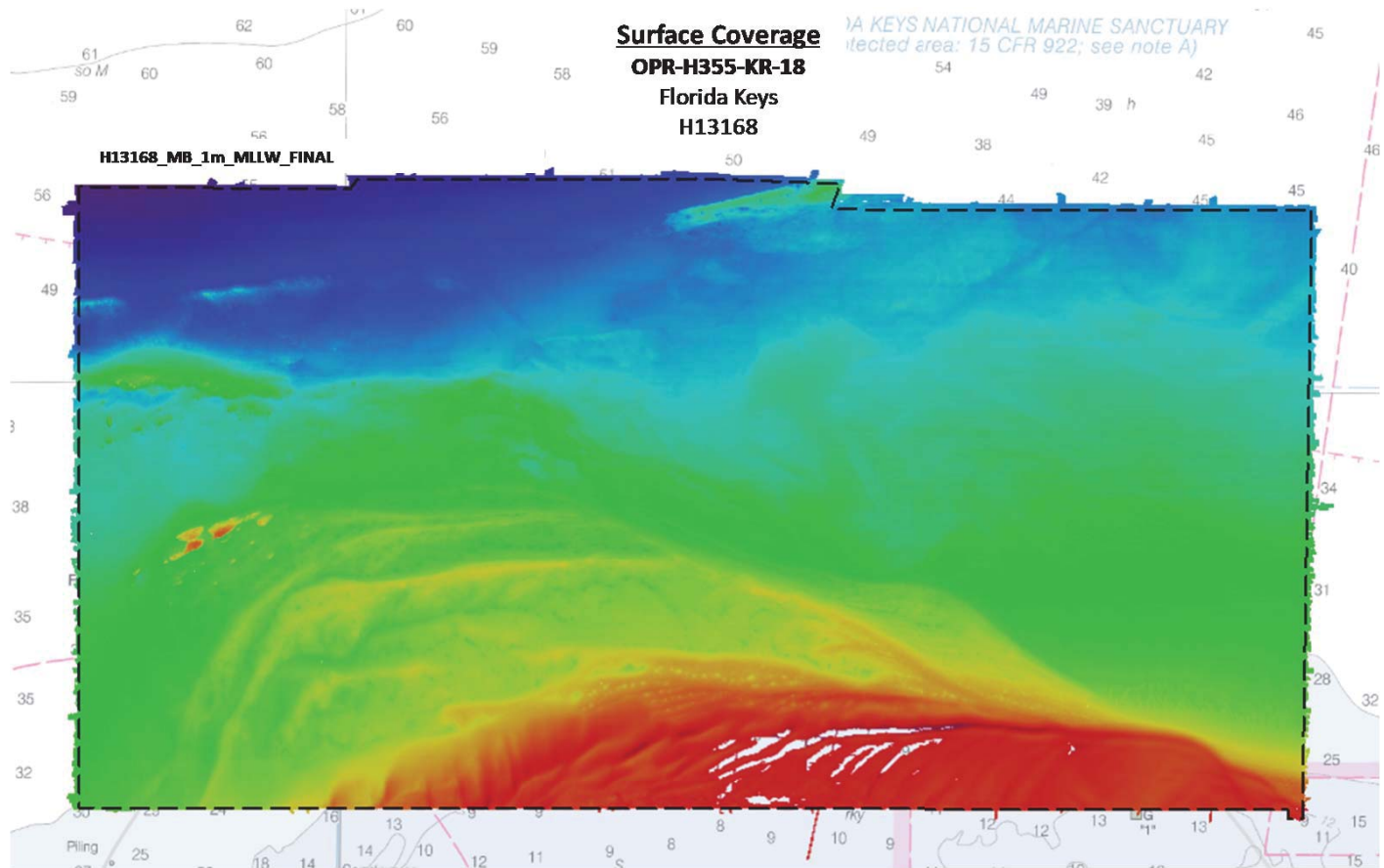


Figure 18: H13168 Delivered 1m CUBE Surface Coverage Graphic

C. Vertical and Horizontal Control

C.1 Vertical Control

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

Non-Standard Vertical Control Methods Used:

VDatum

Ellipsoid to Chart Datum Separation File:

ITRF_to_MLLW_FL_KEYS.bin

In order to reference soundings to MLLW, a VDatum separation method was applied to the Qinsy DB files via a separation file in the acquisition softwares.

Note: The vertical control methods are further addressed in the HVCR and DAPR.

C.2 Horizontal Control

The horizontal datum for this project is North American Datum of 1983 (NAD83).

The projection used for this project is UTM Zone 17N.

D. Results and Recommendations

D.1 Chart Comparison

A chart comparison was conducted for H13165 using Qimera and Caris HIPS and SIPS. Contours and soundings were compared against the largest scale ENC US4FL92M to accomplish the chart comparison. The methods and results of the comparison are detailed below.

Contour Comparison Method: Using the 1 meter CUBE weighted Dynamic Surface, the 12 foot, 18 foot and 30 foot contours were generated in Qimera and displayed against the charted contour. Additionally, the 1 meter CUBE weighted Dynamic Surface was viewed by a custom color band range based on the contour intervals (6ft, 12ft, 18ft, 30ft, 60ft). The results of the comparison are described below, followed by an image of the area.

Sounding Comparison Method: Using the same 1 meter CUBE weighted Dynamic surface, soundings were generated in Caris HIPS and SIPS. Soundings were displayed against the charted soundings and a visual comparison was made. The results of the comparison are described below, followed by an image of the area.

D.1.1 Electronic Navigational Charts

The following are the largest scale ENCs, which cover the survey area:

ENC	Scale	Edition	Update Application Date	Issue Date	Preliminary?
US5FL92M	1:80000	10	12/05/2016	12/05/2016	NO

Table 9: Largest Scale ENCs

~~US5FL92M/~~ **US4FL92M**

Contour Comparison Results:

In general the 12 foot contour has receded inward ranging approximately 0 to 1050 feet from the charted contour. Multiple shoals distinguished by the 12 foot contour have formed in this area, differing from the continuous charted contour.

Shoals distinguished by the 12ft contour have formed near the southeastern corner of H13168.

The western and central portions of the 18 foot contour have receded shoreward ranging approximately 280 to 1000 feet from the charted contour.

The eastern portion of the 18 foot contour generally agrees with the charted contour, except for a small area that has transgressed seaward approximately 0 to 560 feet from the charted contour.

In general the 30 foot contour has receded shoreward ranging approximately 0 to 1770 feet from the charted contour.

The 30 foot contour in the northwestern corner of H13168 has receded inward approximately 100 to 350 feet from the charted contour.

Sounding Comparison Results:

In areas where the contour has changed, as noted above, and where a feature was detected, soundings differ from the charted depths. In general for H13168, the soundings are in excellent agreement with the chart with no major discrepancies. Soundings are generally within 1 to 3 feet of each other. Occasionally soundings differ by 4 to 5 feet, however depth differences generally appear to be minimal. Depth differences are not biased in any particular direction to support a systematic error.

The ENC cell number listed in the DR is not the correct ENC cell number. The DR lists the ENC cell number as US5FL92M, the correct ENC cell number is US4FL92M).

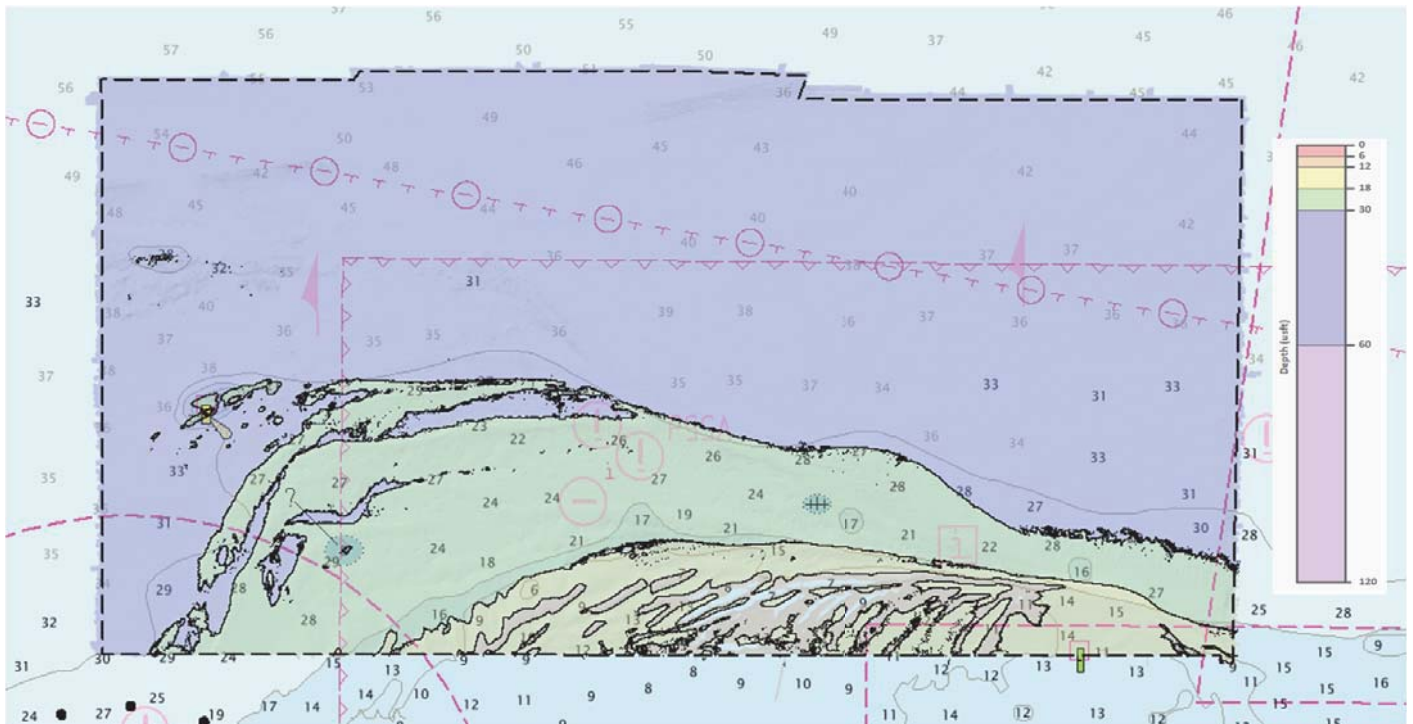


Figure 19: H13168 12ft, 18ft, and 30ft Contour Comparison (US5FL92M)

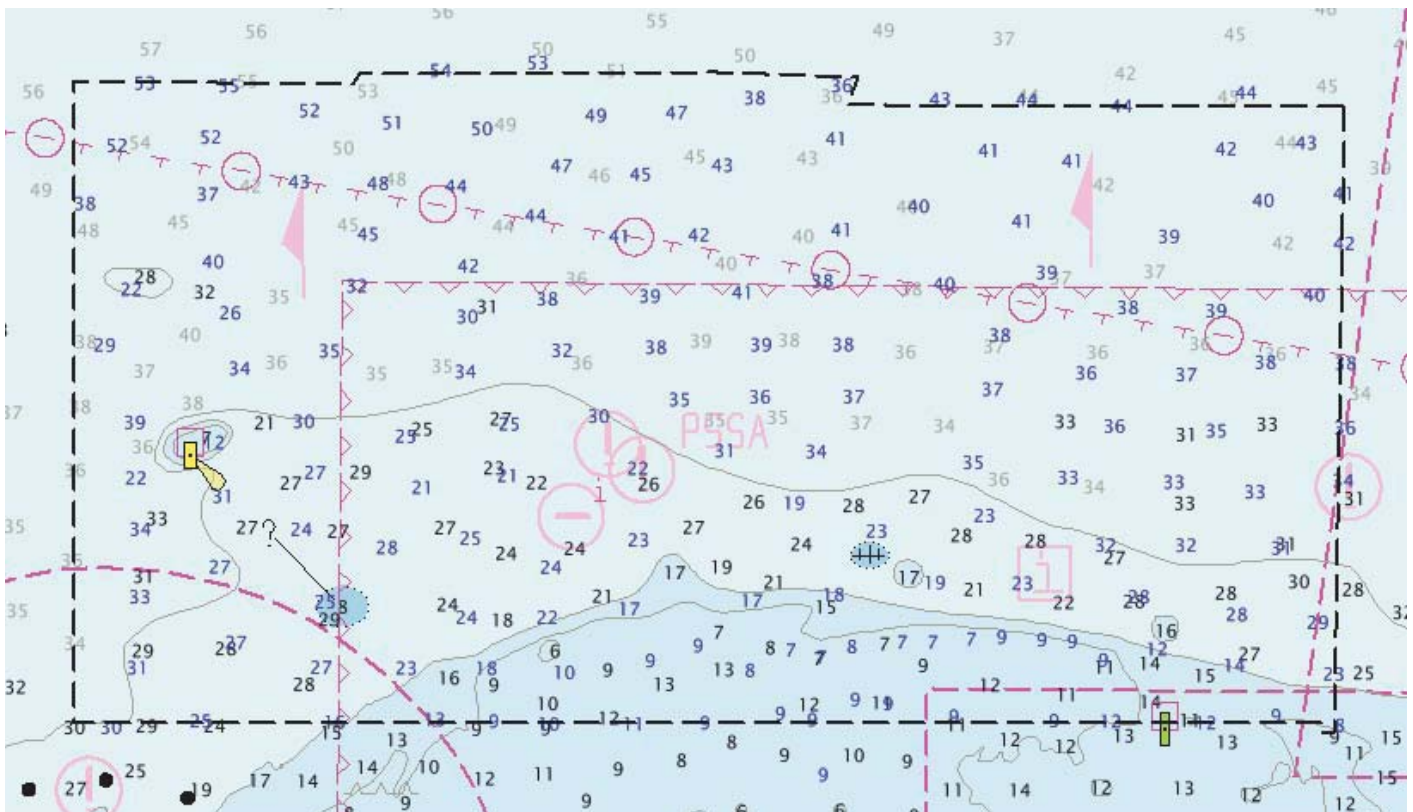


Figure 20: H13168 Sounding Comparison (ENC US5FL92M)

D.1.2 AWOIS Items

No AWOIS Items were assigned for this survey.

D.1.3 Maritime Boundary Points

No Maritime Boundary Points were assigned for this survey.

D.1.4 Charted Features

There were 5 charted features assigned to H13168. The assigned features are retained in the Final Feature File (FFF). Each feature in the FFF has been given a unique identifier in the "userid" field of the .000 S-57 file (format 8XXX). Refer to the FFF for determinations and recommendations of each feature.

D.1.5 Uncharted Features

There were 7 new features found in H13168, and added to the Final Feature File (FFF). Each feature was given a unique identifier in the "userid" field of the .000 S-57 file (format 8XXX). Refer to the FFF for determinations and recommendations of each feature.

D.1.6 Dangers to Navigation

The following DTON reports were submitted to the processing branch:

DTON Report Name	Date Submitted
H13168_DtoN_01	2018-12-21
H13168_DtoN_02	2018-12-21
H13168_DtoN_03	2018-12-21

Table 10: DTON Reports

There were 3 DtoNs which included 7 features in total, found in H13168, and added to the Final Feature File (FFF). Each feature in the FFF has been given a unique identifier in the "userid" field of the .000 S-57 file (format H13168_DtoN_XX). Refer to the FFF for determinations and recommendations of each feature. Note: All DtoNs were included in the number of new, uncharted features within section D.1.5.

D.1.7 Shoal and Hazardous Features

Shoaling has been found in southern end of the survey area, near the Marquesas Keys. As described in section A.4, there were coverage gaps in our MBES data due to the depths being shallower than the NALL.

It was determined to be unsafe to return to collect full coverage in this area as navigation clearance was uncertain.



Figure 21: H13168 Shoaling

D.1.8 Channels

No channels exist for this survey.

D.1.9 Bottom Samples

3 locations of drop camera imagery were obtained in accordance with Appendix I of the Project Instructions in areas designated by the feature object class springs (SPRING) in the Project Reference File (PRF). Drop camera imagery was obtained instead of physical bottom samples due to the vicinity of the National Marine Sanctuary. Drop camera imagery was used to define the NATSUR but was insufficient for defining the NATQUA and COLOUR.

A brief description of the results is listed below.

I1: coral, sand, shells

I2: sand, shells, coral

I3: sand

Detailed information and images of the bottom samples listed above are located in the Final Feature File (FFF). Each bottom sample has been given a unique identifier in the "userid" field of the .000 S-57 file (format IX).

D.2 Additional Results

D.2.1 Shoreline

No shoreline exists for this survey.

D.2.2 Prior Surveys

No prior surveys exist for with survey.

D.2.3 Aids to Navigation

There were 3 charted AtoNs assigned in H13168. The 3 AtoNs were found to serve their intened pupose and are retained in the Final Feature File (FFF). Each feature was given a unique identifier in the "userid" field of the .000 S-57 file (format 8XXX). Refer to the FFF for determinations and recommendations of each feature. Note: All AtoNs were included in the number of charted features within section D.1.4.

D.2.4 Overhead Features

No overhead features exist for with survey.

D.2.5 Submarine Features

No submarine features exist for this survey.

D.2.6 Ferry Routes and Terminals

1 uncharted ferry route is located within the survey limits of H13168. The ferry route is called Key West-Fort Jefferson or Dry Tortugas Ferry. The ferry terminals for this route are located at the Key West Ferry Building in Key West, Florida and the Fort Jefferson Boat Dock in Dry Tortugas, Florida.

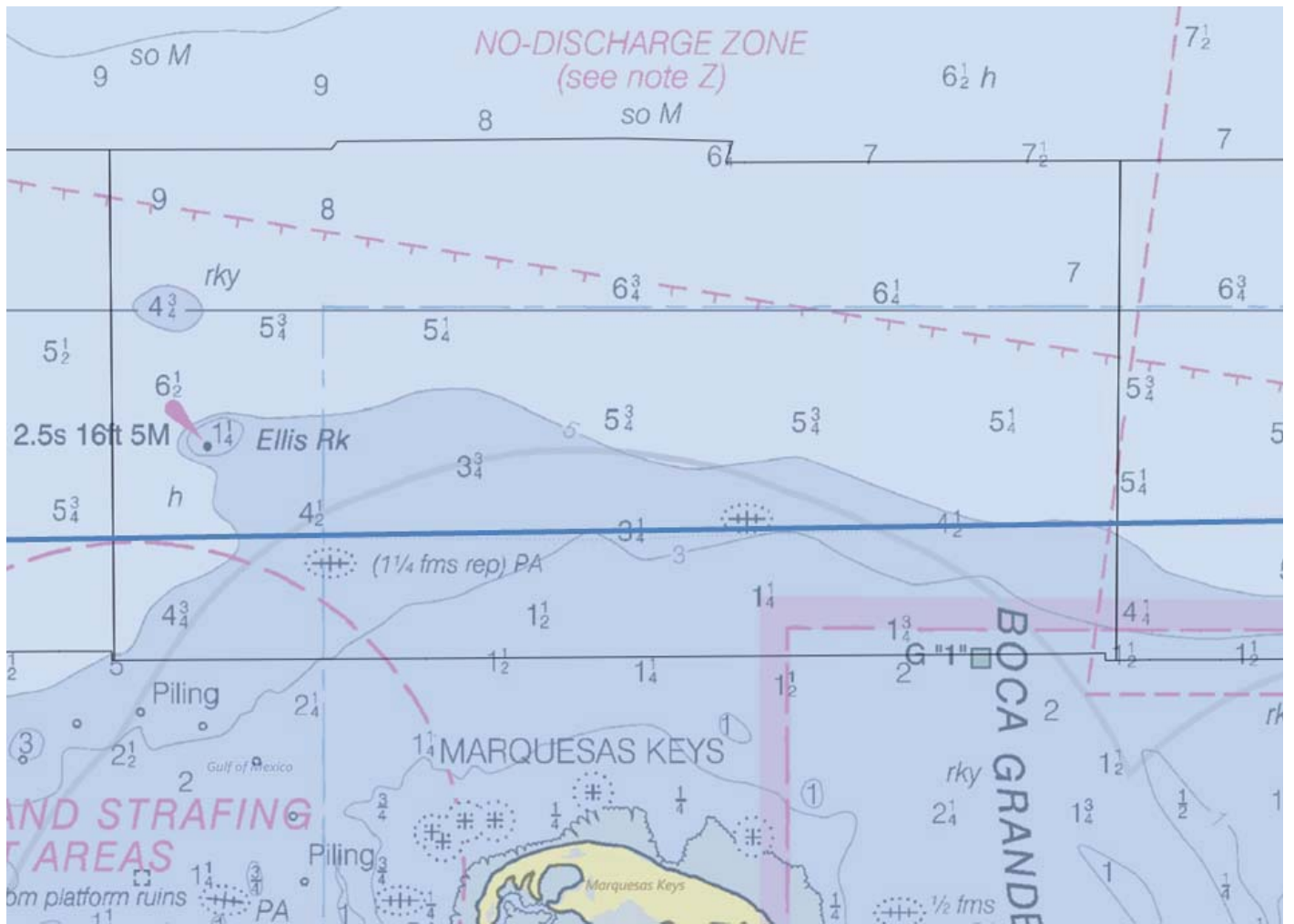


Figure 22: Ferry Route (blue line)

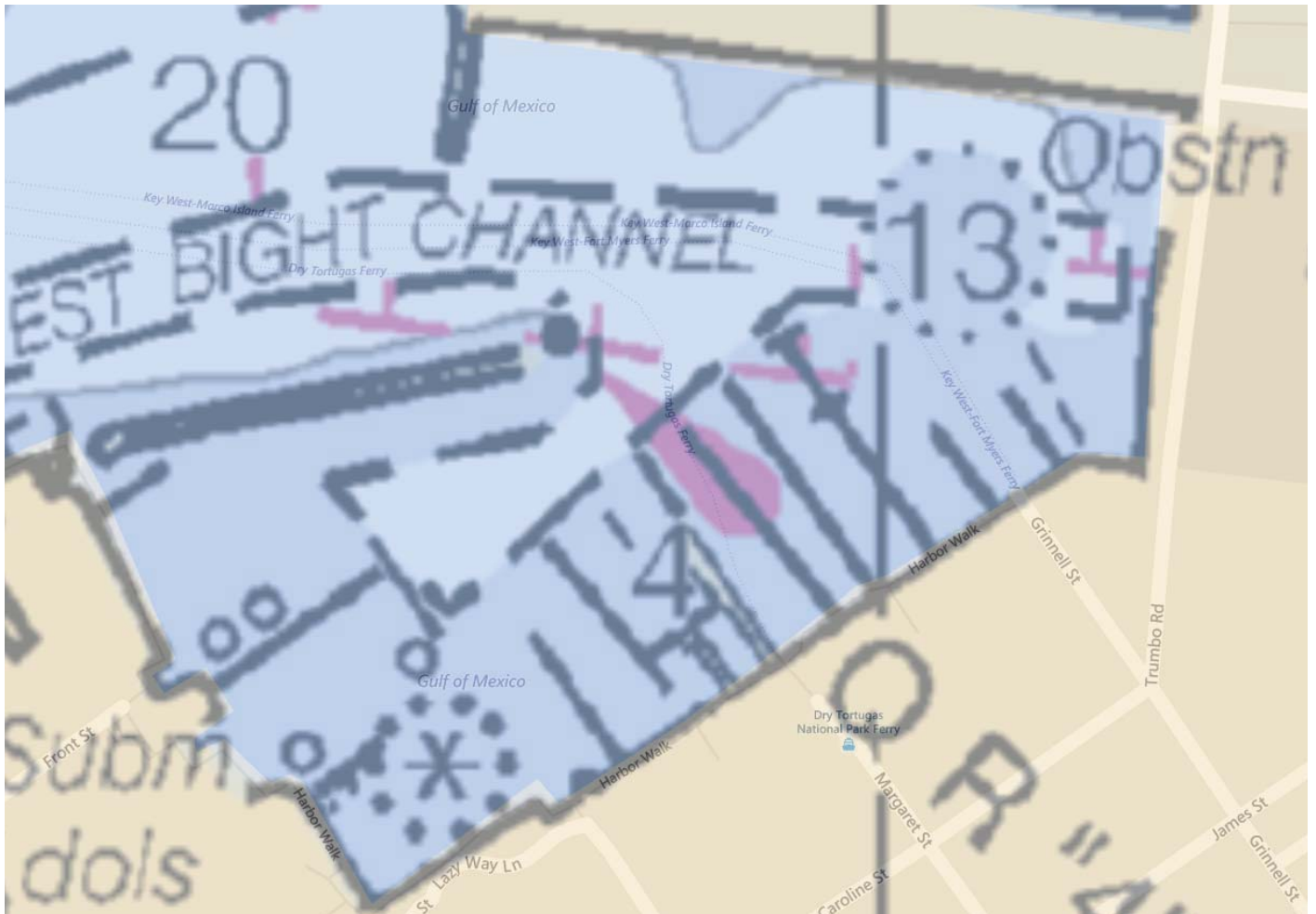


Figure 23: Ferry Terminal - Key West Ferry Building



Figure 24: Ferry Terminal - Fort Jefferson Boat Dock

D.2.7 Platforms

No platforms exist for this survey.

D.2.8 Significant Features

No significant features exist for this survey.

D.2.9 Construction and Dredging

No construction or dredging exist for this survey.

D.2.10 New Survey Recommendation

No new surveys or further investigations are recommended for this area.

D.2.11 Inset Recommendation

No new insets are recommended for this area.






E. Approval Sheet

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 CUBE surfaces, this Descriptive 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 and Specifications Deliverables Manual, Field Procedures Manual, 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 Descriptive Report.

Approver Name	Approver Title	Approval Date	Signature
David R. Neff, C.H.	VP of Survey, eTrac Inc.	01/30/2019	 

Issue #	Issue Name	Brief Description of issue	Issue Raised with NOAA	Issue Raised By	Date	Method	Response From NOAA	Date	Method	Status	Brief Description of Resolution	Additional Notes / Guidance
1	assigned ACHARE radius in PRF that do not have a charted feature within them	in PRF there are 21 assigned anchorage areas. In the PRF, the ACHARE radius is set to the Disapproval Radius and to reference HSSD section 7.3.4 this section is about disapproval features. In the project instructions it says the disapproval radius for charted features is denoted with an ACHARE feature in the PRF. However there are many ACHARE features that are not associated with charted features. We need to identify the ACHARE features that are not associated with charted features?	YES	Izzy	05/30/18	Phone	YES	5/30/2018	Phone	Closed	Jacklyn James will review the areas and send new version of PRF.	
2	doubled wreck feature in CSF	In the CSF 0_1524090735 00143 and 0_1524090728 00184 are the same charted wreck, just pulled for two different enc's, both of these features say they are from raster chart 11441, however this wreck is not actually displayed on this chart but rather Chart 11439, or the 2_1524090735 00163 and 0_1524090728 00184 are the same location in smallest scale ENC US5FL93M and RNC 11439. I proposed to delete 0_1524090728 00184 from the CSF.	YES	Izzy	05/30/18	Phone	YES	05/30/18	Phone	Closed	Jacklyn James will review and send new version of CSF	
3	doubled wreck feature in CSF	In the CSF 0_1524090735 00163 and 0_1524090728 00152 are the same charted wreck, just pulled for two different enc's, both of these features say they are from raster chart 11441, however this wreck is not actually displayed on this chart but rather Chart 11439, or the 2_1524090735 00163 matches the location in smallest scale ENC US5FL93M and RNC 11439. I proposed to delete 0_1524090728 00152 from the CSF.	YES	Izzy	05/30/18	Phone	YES	05/30/18	Phone	Closed	Jacklyn James will review and send new version of CSF	
4	doubled wreck feature in CSF	In the CSF 0_1524090735 00135 and 0_1524090728 00197 are the same charted wreck, just pulled for two different enc's, both of these features say they are from raster chart 11441, however this wreck is not actually displayed on this chart but rather Chart 11439. Of the 2_1524090735 00135 matches the location in smallest scale ENC US5FL93M and RNC 11439. I proposed to delete 0_1524090728 00197 from the CSF.	YES	Izzy	05/30/18	Phone	YES	05/30/18	Phone	Closed	Jacklyn James will review and send new version of CSF	
5	Grab Sampler Rate	We have pre negotiated a rate of \$30/day for a grab sampler. The location of the dropcam, the rowers with the dropcam, the location of the dropcam, and hardware as a separate line item?	YES	Dave	05/29/18	Phone	YES	5/29/2018	Phone	Closed	Etrac will propose the dropcam separately	
6	Maritime Boundary Points	The PIs state "Investigate Maritime Boundary Points in accordance with Section 7.2.1 of the HSSD". We do not find any assigned MBPs in the PRF. In the past, the statement in the PIs has been "There are no Maritime Boundary investigation requirements for this project."	YES	Dave	05/29/18	Email	YES	05/30/18	Phone	Closed	There are no maritime boundary points	
7	Permit for Bottom Samples within marine Sanctuary	A permit is necessary to take bottom samples in the Marine Sanctuary. Should we obtain this permit or will NOAA handle this? Should we put the sampler in the proposal for NOAA to decide	YES	Dave Neff	05/29/18	Phone	YES	5/30/2018	Phone	Closed	Jacklyn James directed eTrac to estimate the project with grab samples. Upon review these will likely be taken out so no permit will be needed and we will only be asked to use fan drop camera.	
8	Class of Vessel Allowed in Marine Sanctuary	One of the vessel leasing companies that have been contacted mentioned only certain class/length of vessel is allowed to operate within the Marine Sanctuary. Upon further research Joanne Delaney who handles permitting needs to be less than 50m to operate without a permit. eTrac plans to operate within this restriction. Does OCS know of any restrictions we are not aware of?	YES	Dave Neff	05/29/18	Phone	YES	05/30/18	Phone	Closed	Another restriction is that in the military practice area we will need to get permissions from the coast guard and work out a schedule with them in the future. Contacting the permit agency as the form and contact info to obtain these permissions (sent 5/31/2018)	-Information from Joanne Delaney about permitting vessel length was over the phone. Her contact info is Joanne.Delaney@noaa.gov
9	2 proposed bottom samples in danger area	In sheet 10 there are 2 proposed bottom samples that are within a charted danger area that states: Danger Area. Area is open to unrestricted surface navigation but all vessels are cautioned neither to anchor, dredge, trawl, or operate in a manner that could result in damage to the bottom because of residual danger from mines on the bottom. see image	YES	Izzy	6/19/2018	Phone	YES	6/19/2018	Phone	Closed	Jacklyn/CCR Scales to eTrac to eTrac@navy.mil, Environmental Specialist and MA12 (SWAW), Jones, Caylin, NAS Key West Port Operations Fire Desk Operator NPR: Caylin, jones@navy.mil COMM: 305-293-4755 ext. 10 along with the national archives who has assured me there is no hazardous materials in the area where the bottom samples will be collected.	
10	LNDARE features investigation requirements	Two Land area features were assigned that are both associated with Landmarks (Towers). The investigation requirements for the LNDARE is: Visually confirm feature object existence and capture height to confirm or update LNDARE. Note that an site may become a UWTRCC if the feature is confirmed to exist. Visually confirm feature object existence. Are we required to capture the height of LNDARE?	YES	Izzy	09/03/18	Email	YES	09/03/18	Email	Closed	Katy directed eTrac to follow the guidance of the HSSD 2018	Case is closed based on current data collected to date. Has potential to be reopened if issue is encountered with future data.
12	Shoal area	Shoal areas found at edge of survey area. We collected data to 0.5 meters. Look like it is shoaling more but it is unsafe for us to approach closer. What should we do. Subit as Danger? if so how?	YES	Izzy	9/12/2018	google	YES	9/12/2018	google	Closed	Katy- If the shoal area is a DTON according to the HSSD (i.e. a danger to navigation especially in waters shallower than 11 fathoms and/or data in waters shallower than the assigned NALL, due to safety concerns. Include the shoal feature in the final feature file.	
13	Definition of Navigable Area Survey	If there are areas of our survey that are not contiguous with the mainland coastline but are shallower than 3.5 m are we required to collect to complete coverage WBES?	YES	Izzy	10/29/2018	Email	YES	10/29/2018	Email	Closed	Kathy- You are not required to collect data in waters shallower than the assigned NALL. Holidays are not considered true holidays when they are in waters shallower than the assigned NALL.	
14	Demobilization of Marcella	The Marcella was demobilized earlier than planned due to inability to maneuver in its assigned survey area without affecting Lobster fishing gear.	YES	Dave Neff	10/29/2018	Email	YES	10/29/2018	Email	Closed	Kathryn Prigen agreed that the best use course of action is to demobilize the Marcella.	

Issue #	Issue Name	Brief Description of issue	Issue Raised with NOAA	Issue Raised By	Date	Method	Response From NOAA	Date	Method	Status	Brief Description of Resolution	Additional Notes / Guidance
15	Retasking of LNM's originally scoped to Marcelle	With the Marcelle being demobilized, there are 641 incomplete miles in the western sheets. And 596 incomplete lines in H13164.	YES	Dave Neff	10/30/18	Phone	YES	10/30/2018	Phone	Closed	Initial response from NOAA was to end manscheme line miles in the western sheets. However, during a scheduled conference call, it was understood that NOAA is disappointed that H13162 would have incomplete portions. Plan is to schedule another conference call with NOAA when more leadership can be present.	Was determined that NOAA would not be considering any more data for the western sheets. The plan is to complete the fill. A waiver explaining the significant absence of manscheme data in H13162 is forthcoming from COR Katy Priddgen.
16	Soundings on the Jetty in F00757	For F00757 we have soundings on the physical jetty. Typically we would remove soundings on pilings, offshore rigs, ATONS, etc so as not to obstruct the surface delineation. Please advise	YES	Dave Neff	11/2/18	Email	YES	11/4/2018	Phone	Closed	After consulting with Gene Parker at AHB, it was decided to leave the jetty soundings in the data. AHB will determine the fate of these soundings before compilation.	
17	NATQUA Attribute in bottom samples	eTrac believes it would be over reaching to estimate a NATQUA attribute of seafloor material from dropcam imagery alone. Please advise	YES	Dave Neff	11/8/18	Email	YES	11/8/2018	Email	Closed	eTrac feels comfortable determining the NATQUA for each bottom sample attributing it based on insufficient field sample data. We will document this decision making process in our DR and provide feedback on the advantages and disadvantages of each sampling technique (dropcam and physical grabs).	
18												



Isadora Kratchman <izzy@etracinc.com>

Military Practice Area/ Vicinity of Key West and The Dry Tortugas

2 messages

Jacklyn <jacklyn.c.james@noaa.gov>
To: Isadora Kratchman <izzy@etracinc.com>
Cc: David Neff <david@etracinc.com>

Thu, May 31, 2018 at 12:28 PM

All,

If you conduct hydrographic survey operations within OPAREA's, you will have to submit a Rfmss request. The file attached includes details on how to set up an account if you do not already have one.

If you have any additional concerns feel free to contact the scheduling office.

Thank you,

--

Jacklyn James
Physical Scientist/ COR II
Hydrographic Surveys Division
1315 East-West Highway
SSMC3 Room 6114
Silver Spring, MD 20910
(o) 240-533-0036 NEW NUMBER
jacklyn.c.james@noaa.gov

To see live feeds from the NOAA Ship Okeanos Explorer go to the web site below.

<http://oceanexplorer.noaa.gov/okeanos/welcome.html#>

**RFMSS Access Cheat Sheet.pdf**

69K

David Neff <david@etracinc.com>
To: Jacklyn <jacklyn.c.james@noaa.gov>
Cc: Isadora Kratchman <izzy@etracinc.com>

Thu, May 31, 2018 at 10:18 PM

Thanks Jacklyn, received.

Izzy, can you start pulling together a template google docs folder and put this in the info folder?

[Quoted text hidden]

--

Dave Neff, C.H.
Mobile: (415)-517-0020
www.etracinc.com



Isadora Kratchman <izzy@etracinc.com>

ACHARE radius areas in PRF

3 messages

Isadora Kratchman <izzy@etracinc.com>

Tue, Jun 19, 2018 at 9:18 AM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>

Cc: David Neff <dave@etracinc.com>

Good morning Jacklyn,

Have you been able to review the ACHARE areas that were assigned in the PRF? There are many that do not have features in them.

Our project instructions denote the ACHARE as disapproval radius for charted features. Are the ACHARE radii also investigation circles, like the ones assigned in our last project OPR-H358-KR-17?

We would like to have a better understanding of these areas for planning purposes.

This is question 1 in our project correspondence sheet.

https://docs.google.com/spreadsheets/d/1hhMAEg-I9vmYuZNNAmJAIhAH8wg0Ypx2M_LGDsUL-hs/edit#gid=0

Below are the images that are in the correspondence sheet as well.



Best,
Izzy

--

Isadora Kratchman
eTrac Inc.
izzy@etracinc.com
Mobile: (301)-706-9246
www.etracinc.com

Jacklyn <jacklyn.c.james@noaa.gov>
To: Isadora Kratchman <izzy@etracinc.com>
Cc: David Neff <dave@etracinc.com>

Wed, Jun 20, 2018 at 2:19 PM

Please find attached the updated csf. The ACHARE in the csf were associated with seabed type or lights but I have modified some of the radii. Please let me know if you have additional questions.

[Quoted text hidden]

--

Jacklyn James
Physical Scientist/ COR II
Hydrographic Surveys Division
[1315 East-West Highway](#)
SSMC3 Room 6114
Silver Spring, MD 20910
(o) 240-533-0036 NEW NUMBER
jacklyn.c.james@noaa.gov

To see live feeds from the NOAA Ship Okeanos Explorer go to the web site below.

<http://oceanexplorer.noaa.gov/okeanos/welcome.html#>

 **OPR-H355-KR18_CSF#2.000**
395K

Isadora Kratchman <izzy@etracinc.com>
To: Jacklyn <jacklyn.c.james@noaa.gov>
Cc: David Neff <dave@etracinc.com>

Wed, Jun 20, 2018 at 2:56 PM

Jacklyn,

I am unable to open the new CSF S57 file. CARIS and our other software say that there is a formatting error within the file. Can you try to re-export the .000? Maybe zip the file in case it is getting corrupted over email?

Are there still ACHARE circles assigned over seabed areas and lights in this new version? Our project instructions say that these ACHARE are the disproval radius for charted features. Do we need to disprove sea bed areas? We have 3 assigned lights in our CSF however none of the lights have ACHARE around them. Are there more lights that are assigned than what are in our CSF?

Thanks,
lizzy
[Quoted text hidden]

Verbal Authorization - EA133C14CQ0031 Task Order 1305M218FNCNJ0113 - Florida Keys

5 messages

Stacy Fullerton - NOAA Federal <stacy.fullerton@noaa.gov>

To: David Neff <david@etracinc.com>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Tue, Jul 31, 2018 at 6:44 AM

Good Morning,

NOAA AGO is currently experiencing system-related issues that are preventing full execution of the subject task order award. As a result, **verbal authorization for task order award to provide hydrographic survey for OPR-H355-KR-18 in Florida Keys is hereby granted**. A signed task order will be forthcoming.

Please find the attached Final Project Instructions and SOW for reference.

Please note that Jacklyn James remains the COR for this task order. However, Katy Pridgen is the Alternate COR and Corey Allen is the Point of Contact.

Please let me know if you have any questions.

Thank you,

Stacy

--

Stacy Fullerton
Contract Specialist, NOAA, AGO
Eastern Acquisition Division
Supporting National Ocean Service
200 Granby Street, Suite 815
Norfolk, VA 23510
Phone: 757-441-3420
Fax: 757-441-3786

2 attachments

 **PICaward.pdf**
1460K

 **Final_OPR H355 KR 18 Florida Keys SOW.pdf**
267K

David Neff <david@etracinc.com>

To: Stacy Fullerton - NOAA Federal <stacy.fullerton@noaa.gov>

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Tue, Jul 31, 2018 at 6:50 AM

Thank you Stacy,

Jacklyn, can you please forward the finalized PRF and CSF?

Thank you,

Dave

[Quoted text hidden]

--

David Neff, C.H.

Lead Hydrographer

Mobilic: (415) 517-0020

www.etracinc.com

Jacklyn <jacklyn.c.james@noaa.gov>

To: David Neff <david@etracinc.com>

Cc: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Dave,

Please find attached the project files for OPR-H355-KR-18. Please let me know if you have any questions.

[Quoted text hidden]

--

Jacklyn James

Physical Scientist/ COR III

Hydrographic Surveys Division

1315 East-West Highway

SSMC3 Room 6114

Silver Spring, MD 20910

*** (o) 240-847-8173 NEW NUMBER***

jacklyn.c.james@noaa.gov

To see live feeds from the NOAA Ship Okeanos Explorer go to the web site below.

<http://oceanexplorer.noaa.gov/okeanos/welcome.html#>

 **OPR-H355-KR-18_Florida Keys.zip**

24015K

Stacy Fullerton - NOAA Federal <stacy.fullerton@noaa.gov>

To: David Neff <david@etracinc.com>

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Eastern Operations Eastern Operations - NOAA Service Account <easternoperations@noaa.gov>

Good Afternoon,

Please find the attached OF347 task order award document for hydrographic survey for OPR-H355-KR-18 in Florida Keys for your records/action.

Please note that Jacklyn James remains the COR for this task order. However, Katy Pridgen is the Alternate COR and Corey Allen is the Point of Contact.

Please acknowledge receipt.

Thank you,

Stacy

On Tue, Jul 31, 2018 at 9:50 AM, David Neff <david@etracinc.com> wrote:

[Quoted text hidden]

[Quoted text hidden]

 **EA133C14CQ0031 TO 1305M218FNCNJ0113.pdf**
1479K

David Neff <david@etracinc.com>

To: Stacy Fullerton - NOAA Federal <stacy.fullerton@noaa.gov>

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Eastern Operations Eastern Operations - NOAA Service Account <easternoperations@noaa.gov>

Wed, Aug 1, 2018 at 3:41 PM

Thank you Stacy,

Preparations are now underway. We will communicate our actions on this TO moving forward with Jacklyn, Katy, and Corey.

Dave

[Quoted text hidden]



David Neff <david@etracinc.com>

Permit

12 messages

Fleming, Tenia <tenia_fleming@nps.gov>
To: David@etracinc.com

Wed, Aug 8, 2018 at 10:03 AM

Please sign and initial and return to me for signature.

--

Tenia Fleming
305-242-7734
Fee Admin Assistant
Film and Special Use Park Coordinator
Everglades National Park
40001 State Road 9336
Homestead FL 33034

10-930-Application-for-SUP-Long-Form-2017-2-3 (4).pdf

160K

David Neff <david@etracinc.com>
To: "Fleming, Tenia" <tenia_fleming@nps.gov>

Wed, Aug 8, 2018 at 10:32 AM

Thank you Tenia,

Attached is the signed form.

Dave

[Quoted text hidden]

--

David Neff, C.H.
Lead Hydrographer
Mobil: (415) 517-0020
www.etracinc.com

10-930-Application-for-SUP-Long-Form-2017-2-3.pdf

686K

Fleming, Tenia <tenia_fleming@nps.gov>
To: David Neff <david@etracinc.com>

Wed, Aug 8, 2018 at 10:46 AM

David,

Please initial each condition.

Thank you

[Quoted text hidden]

40001 State Road 9336
Homestead FL 33034



David Neff <david@etracinc.com>
To: "Fleming, Tenia" <tenia_fleming@nps.gov>

Mon, Aug 20, 2018 at 6:57 AM

Thanks Tenia!
[Quoted text hidden]

--
David Neff, C.H.
Mobile: (415) 517-0020
www.etracinc.com

David Neff <david@etracinc.com>

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>
Mon, Aug 20, 2018 at 3:08 PM

Jacklyn,

I am forwarding the Special Use Permit from NPS for the Dry Tortuga Base station as requested.

Dave

[Quoted text hidden]

--
David Neff, C.H.
Lead Hydrographer
Mobile: (415) 517-0020
www.etracinc.com



Jacklyn <jacklyn.c.james@noaa.gov>
To: David Neff <david@etracinc.com>
Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Tue, Aug 21, 2018 at 6:23 AM

Thanks Dave. Will you also share the powerpoint?

[Quoted text hidden]

--
Jacklyn James
Physical Scientist/ COR III
Hydrographic Surveys Division
1315 East-West Highway
SSMC3 Room 6114
Silver Spring, MD 20910
*** (o) 240-847-8173 NEW NUMBER***
jacklyn.c.james@noaa.gov

To see live feeds from the NOAA Ship Okeanos Explorer go to the web site below.

eTrac Inc. - OPR-H355-KR-18 - Floriday Keys - Kickoff Meeting - 4pm EST

8 messages

David Neff <david@etracinc.com>

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>; Corey Allen - NOAA Federal <corey.allen@noaa.gov>; Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>; Stacy Fullerton - NOAA Federal <stacy.fullerton@noaa.gov>

Mon, Aug 20, 2018 at 6:54 AM

Good morning,

I will be hosting a kick off meeting to layout the mobilization schedule and general details of the upcoming project in the Florida Keys. If you cannot make the meeting and would like a copy of the presentation, let me know and I will email it over along with any notes from the meeting. Meeting details below.

New Meeting

Mon, Aug 20, 2018 1:00 PM - 2:00 PM PDT

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/214941605>

Join the conference call:

Dial In Number : 415-655-0381

Conference ID: 690-849-329

First GoToMeeting? Let's do a quick system check:

<https://link.gotomeeting.com/system-check>

--

David Neff, C.H.

Mobile: (415) 517-0020

www.etracinc.com

David Neff <david@etracinc.com>

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>; Tim Osborn <tim.osborn@noaa.gov>; "J. Christopher Taylor" <chris.taylor@noaa.gov>

Mon, Aug 20, 2018 at 6:56 AM

Tim and Chris,

I will be hosting a kick off meeting to layout the mobilization schedule and general details of the upcoming project in the Florida Keys. If you cannot make the meeting and would like a copy of the presentation, let me know and I will email it over along with any notes from the meeting. Meeting details below.

New Meeting

Mon, Aug 20, 2018 1:00 PM - 2:00 PM PDT

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/214941605>

Join the conference call:

Dial In Number : 415-655-0381

Conference ID: 690-849-329

11/13/2018

ETracInc Mail - eTrac Inc. - OPR-H355-KR-18 - Floriday Keys - Kickoff Meeting - 4pm EST

First GoToMeeting? Let's do a quick system check:
<https://link.gotomeeting.com/system-check>

[Quoted text hidden]

Jacklyn <jacklyn.c.james@noaa.gov>
To: David Neff <david@etracinc.com>

Mon, Aug 20, 2018 at 7:01 AM

Thank you.

[Quoted text hidden]

--

Jacklyn James
Physical Scientist/ COR III
Hydrographic Surveys Division
1315 East-West Highway
SSMC3 Room 6114
Silver Spring, MD 20910
*(o) 240-847-8173 **NEW NUMBER***

jacklyn.c.james@noaa.gov

To see live feeds from the NOAA Ship Okeanos Explorer go to the web site below.
<http://oceanexplorer.noaa.gov/okeanos/welcome.html#>

David Neff <david@etracinc.com>
To: Jacklyn <jacklyn.c.james@noaa.gov>

Mon, Aug 20, 2018 at 7:02 AM

Seems like Chris is out of the office till August 28th, but Tim should be good to go.

[Quoted text hidden]

Jacklyn <jacklyn.c.james@noaa.gov>
To: David Neff <david@etracinc.com>

Mon, Aug 20, 2018 at 7:06 AM

Okay. I just forwarded to Don Field.

[Quoted text hidden]

Tim Osborn - NOAA Federal <tim.osborn@noaa.gov>
To: David Neff <david@etracinc.com>

Mon, Aug 20, 2018 at 7:19 AM

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, "J. Christopher Taylor" <chris.taylor@noaa.gov>

Will join

Thank you.

[Quoted text hidden]

Tim Osborn - NOAA Federal <tim.osborn@noaa.gov>
To: David Neff <david@etracinc.com>

Mon, Aug 20, 2018 at 7:21 AM

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, "J. Christopher Taylor" <chris.taylor@noaa.gov>



Isadora Kratchman <izzy@etracinc.com>

Fwd: NOAA SURVEY IN FL KEYS

1 message

David Neff <david@etracinc.com>
To: Isadora Kratchman <izzy@etracinc.com>

Mon, Aug 13, 2018 at 5:05 PM

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

From: **Joanne Delaney - NOAA Affiliate** <joanne.delaney@noaa.gov>

Date: Mon, Aug 13, 2018 at 6:04 AM

Subject: Re: NOAA SURVEY IN FL KEYS

To: David Neff <david@etracinc.com>

Cc: Ryan Kilgo <ryan@bordelonmarine.com>, Jay Nunenkamp - NOAA Federal <jay.nunenkamp@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Aron Lembke <aron@geodynamicsgroup.com>, Stephen Werndli - NOAA Federal <stephen.werndli@noaa.gov>, Dave Bernstein <dave@geodynamicsgroup.com>, David Neff <dave@etracinc.com>

Thank you very much, Mr. Neff, for your thorough response.

The entire Florida Keys National Marine Sanctuary is a no discharge zone. The only allowable discharges are fish/fish parts used when chumming or conducting a traditional fishing activity, water generated by routine vessel operations such as deck wash down and graywater (but excluding oily bilge waste), and cooling water/engine exhaust.

Regarding closed areas or areas where vessel access is restricted (e.g., no motor zones, no wake zones), FKNMS manages 27 Wildlife Management Areas (WMAs) to protect shallow seagrass, mangrove, and beach habitat for wildlife. The WMAs are all marked with white spar buoys that post their specific restriction. Most of the WMAs are located in the backcountry around mangrove islands -- see the yellow pins at https://floridakeys.noaa.gov/fknms_map/welcome.html?s=zones (you can click on each for more detail). I have also attached a map that shows several of the zones in relation to the lower Keys National Wildlife Refuges.

Please let me know if you have any additional questions.

Sincerely,
Joanne

Joanne Delaney
Resource Protection and Permit Coordinator
NOAA/Florida Keys National Marine Sanctuary
joanne.delaney@noaa.gov
(305) 809-4714
floridakeys.noaa.gov
[Join us on Facebook](#)
[Follow us on Twitter](#)

On Sat, Aug 11, 2018 at 8:48 PM, David Neff <david@etracinc.com> wrote:

Hello All,

Just to clarify Joannes bullets:

- Placing any equipment on the sea floor or collecting bottom samples, or disturbing the sea floor in any other way except via traditional vessel anchoring;

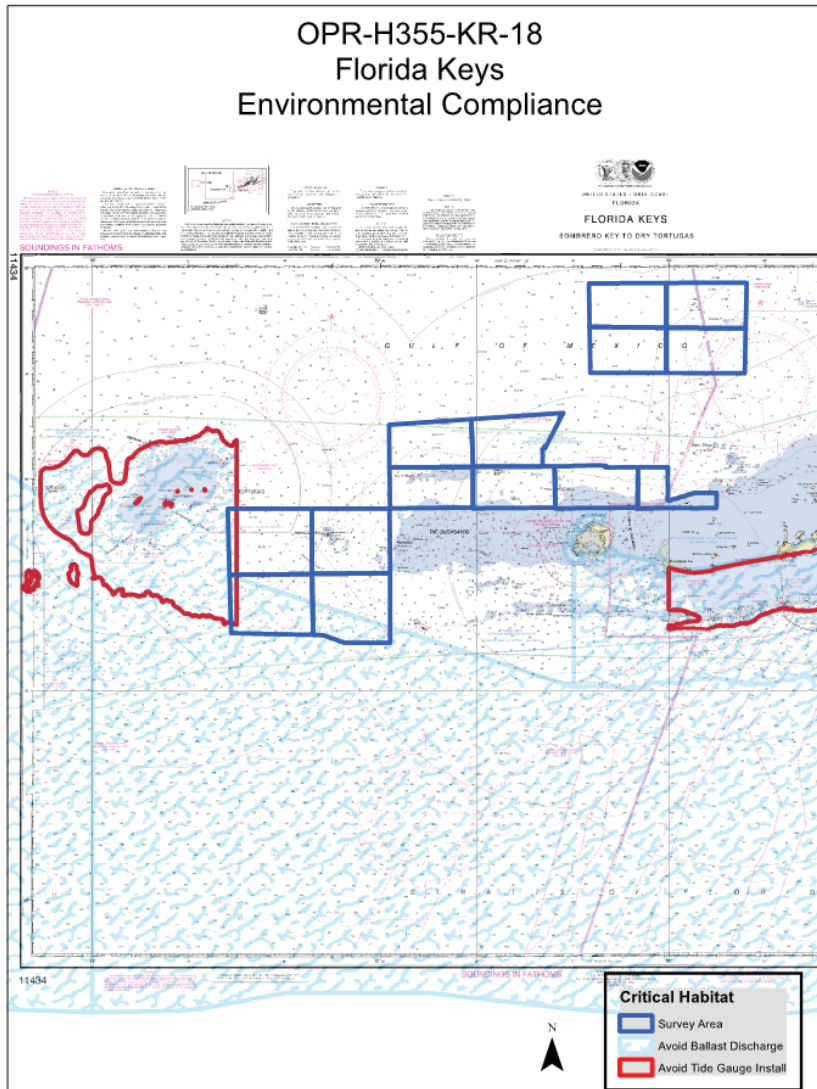
Per the instruction of Jacklyn James (NOAA Project COR), we have been instructed to not preform any physical bottom grabs.

- Deploying AUVs (tethered ROVs that do not contact the sea floor are OK);

In replacement and to cover the "Drop Cam" specification, we will be deploying a small (30cm), tethered ROV from one of our launches to take bottom imagery at the designated sites.

- Discharging any other material or matter;

We have been given this graphic as a reference for ballast discharge, but understand that no discharge of any matter is permitted within the NMS? Correct?



- Operating a vessel greater than 50m LOA within the Areas To Be Avoided (shown on all charts and attached);

This seems to have been confirmed that the vessel is certified less than 50 meters.

- Collecting any marine life from protected zones;

We will not be taking any physical or biological samples.

- Entering zones marked as no-motor or closed.

Are these "no-motor or closed zones" uncharted? If so, is there a file denoting these zones to confirm they do not land within our survey boundaries?

Dave Neff

On Fri, Aug 10, 2018 at 12:40 PM, Ryan Kilgo <ryan@bordelonmarine.com> wrote:

Ms. Delaney,

I have provided various documents as proof of the vessel's registry length over at 149 feet. The 170' categorization is how the vessel is commercial sized due to its deck space in comparison to similar vessels in the energy sector. We will have to defer to Geodynamics for any track lines and we understand the importance of protecting the reefs and marine life.

For everyone's awareness, the Coast Guard's Prevention Department (Marine Inspections) and the COTP are aware of our intentions to arrive this year. Earlier this summer the COTP approved the vessel's designation as an Oceanographic Research Vessel.

Sincerely,

Ryan W. Kilgo

Director of Compliance

Bordelon Marine, LLC

Office: (985) 601-4588

www.bordelonmarine.com

From: Joanne Delaney - NOAA Affiliate [mailto:joanne.delaney@noaa.gov]

Sent: Friday, August 10, 2018 2:20 PM

To: Ryan Kilgo <ryan@bordelonmarine.com>; Jay Nunenkamp - NOAA Federal <jay.nunenkamp@noaa.gov>; Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>; Aron Lembke <aron@geodynamicsgroup.com>

Cc: Stephen Werndli - NOAA Federal <stephen.werndli@noaa.gov>; Dave Bernstein <dave@geodynamicsgroup.com>; David Neff <dave@etracinc.com>

Subject: Re: NOAA SURVEY IN FL KEYS

Thank you, Jay, for the quick response.

To clarify to all who are on the OCS project team:

The following activities would trigger the need for a NOAA FKNMS permit; I have reviewed these with Jay and it appeared that none would occur:

- Placing any equipment on the sea floor or collecting bottom samples, or disturbing the sea floor in any other way except via traditional vessel anchoring;
- Deploying AUVs (tethered ROVs that do not contact the sea floor are OK);
- Discharging any other material or matter;
- Operating a vessel greater than 50m LOA within the Areas To Be Avoided (shown on all charts and attached);
- Collecting any marine life from protected zones;
- Entering zones marked as no-motor or closed.

There are other FKNMS prohibitions but these are the ones most often triggered by work in the sanctuary. Please let me know ASAP if you believe any of these prohibitions will be triggered by the OCS project.

Ryan -- if the vessel is just barely 50m LOA (but has some paperwork saying it's larger), please let me know your cruise track so I can ensure it is not in the ATBA. If you are going into the ATBA, I would still appreciate the track so we can be sure you are staying away from the reef. I would also like to let USCG Waterways Division and FWC LE know about your ops -- if they see a ship that big in the ATBA there are going to be questions.

Thanks, all,

Joanne

Joanne Delaney
Resource Protection and Permit Coordinator
NOAA/Florida Keys National Marine Sanctuary
joanne.delaney@noaa.gov
(305) 809-4714
floridakeys.noaa.gov
[Join us on Facebook](#)

[Follow us on Twitter](#)

On Fri, Aug 10, 2018 at 10:00 AM, Jay Nunenkamp - NOAA Federal <jay.nunenkamp@noaa.gov> wrote:

All:

I've forwarded this to Jacklyn James, the Physical Scientist for this project (I presume we're talking about OPR-H355-KR-18 here). Joanne and I did discuss this, and we ultimately came to the determination that a NMS permit was not required. I am not myself aware of any changes to the project that would have required a permit, but I'll let Jacklyn chime in.

Sincerely,

Jay Nunenkamp

Environmental Compliance Coordinator
Office of Coast Survey

National Oceanic and Atmospheric Administration (NOAA)
240-533-0118
SSMC3 Room 6513

On Fri, Aug 10, 2018 at 9:55 AM, Stephen Werndli - NOAA Federal <stephen.werndli@noaa.gov> wrote:

Hi Aron,

I'm probably not the best contact for logistics, but I can usually find out who you should talk to. You might be able to use the Mole Pier for the Marcelle Bordelon, please contact NASKW Port Control at 757-620-7706 about that. If you aren't familiar with this location, here are the coordinates: 24.551811 -81.811308.

Ryan,

The spec sheet you sent indicates the Marcelle Bordelon is 170'. It appears the registered length is 149' (see attached). Would you please confirm that the registered length of the vessel is less than 164' (50 meters).

After talking with our Resource Protection and Permit Coordinator Joanne Delaney, it appears we were contacted about this project initially back in April and after some back and forth, determined that no permits would be needed from FKNMS. As long as those plans haven't changed, and the registered length of the Marcelle Bordelon is less than 50 meters, a FKNMS permit should not be needed.

Jay or Dave N, would you please confirm that this is the same project you contacted Joanne about and that those project plans haven't changed.

Thanks,

Steve

On Thu, Aug 9, 2018 at 2:11 PM, Aron Lembke <aron@geodynamicsgroup.com> wrote:

Ryan,

Thanks for the email and got your voicemail. Thanks for reaching out to Stephen... Stephen, hello!

It sounds like you will be a great resource both for local knowledge as well as any logistics that might arise while working in and around the National Marine Sanctuary.

I'm CC'ing Dave Neff with Etrac (we are partners on the NOAA charting surveys). He is the main project manager for this project. Also CC'd is Dave Bernstein who works with me at Geodynamics and together we figure out most of the logistics.

Let us know what info from us would be helpful. We currently have dockage for our two small boats (30' Catamaran survey vessels), but will need to figure out where the Marcelle Bordelon could tie up for a day every 14-21 day to provision, fuel, and change crew. Ryan was going to take a stab at that (which he may have already discussed with you).

Thanks again, Aron

On Thu, Aug 9, 2018 at 1:57 PM Ryan Kilgo <ryan@bordelonmarine.com> wrote:

Stephen,

It was a pleasure speaking with you again.

Following up on our conversation, one of our vessels is being chartered by Geodynamics to conduct some underwater survey for NOAA. I thought I'd introduce to you Aron Lembke. He is Geodynamics' Survey and Logistics Manager.

For your awareness, here is a spec sheet on the vessel. <http://bordelonmarine.com/specsheets/MarcelleBordelon1.pdf>

Sincerely,

Ryan W. Kilgo

Director of Compliance

Bordelon Marine, LLC

Office: (985) 601-4588

www.bordelonmarine.com

--

Aron Lembke
Captain / Survey and Logistics Manager

Geodynamics
310 A Greenfield Drive
Newport, NC 28570
Mobile: 252-732-4183 (preferred)
Office: 252-247-5785 ext. 111
Email: aron@geodynamicsgroup.com
(**Check out our NEW WEBSITE**)



CONFIDENTIALITY NOTICE: This email and any attachments are for the sole use of the intended recipient and may contain material that is proprietary, confidential, privileged or otherwise legally protected or restricted under applicable government laws. Any review, disclosure, distributing or other use without expressed permission of the sender is strictly prohibited. If you are not the intended recipient, please contact the sender and delete all copies without reading, printing, or saving.

--

Stephen M. Werndli | Enforcement and Emergency Response Coordinator

Direct: 305-434-9371 | Fax: 305-853-0877 | Cell: 305-797-7229

Stephen.Werndli@noaa.gov

Florida Keys National Marine Sanctuary

263 13th Avenue South

Suite 332

Saint Petersburg, FL 33701

<http://floridakeys.noaa.gov/>

[Join us on Facebook](#)

[Follow us on Twitter](#)



CONFIDENTIALITY NOTICE: This e-mail message, including attachments, is for the sole use of the intended recipient and may contain confidential, proprietary, and/or privileged information that may be exempt from disclosure under applicable law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not an intended recipient or you have received this e-mail in error, please contact the sender by reply e-mail and destroy all copies of the original message

--
David Neff, C.H.
Lead Hydrographer
Mobile: (415) 517-0020
www.etracinc.com

--
David Neff, C.H.
Lead Hydrographer
Mobile: (415) 517-0020
www.etracinc.com

 **WMAs in National Wildlife Refuge territory.pdf**
66K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report - 08/20/2018 to 08/26/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Aug 27, 2018 at 1:55 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, kathryn.pridgen@noaa.gov

Cc: progress.sketches@noaa.gov, David Neff <dave@etracinc.com>

Bcc: Verena Kellner <verena@etracinc.com>, Lisa Diamond <lisa@etracinc.com>

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 08/26/2018 as well as the required 32 bit depth floating point raster.

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

2 attachments **OPR-H355-KR-18-_August_26.tif**
174K **OPR-H355-KR-18-_August_26.pdf**
2549K

LNDARE investigation requirements

2 messages

Isadora Kratchman <izzy@etracinc.com>

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, kathryn.pridgen@noaa.gov

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>

Wed, Aug 29, 2018 at 9:38 AM

Jacklyn and Kathryn,

Looking at the investigation requirements of our assigned features we have a question regarding the 2 assigned LNDARE features. Both of these feature are associated with LNDMRK towers.

The LNDARE investigation requirements state: Visually confirm feature object existence and capture height to confirm or update LNDELV. Note that an islet may become a UWTROOC based on WATLEV; reference Appendix F.

We have the ability to confirm the existence but are we required to capture and report the elevation and if so to what accuracy? Does a visual estimation suffice?

Note, the LNDMRK investigation requirements state: Visually confirm feature object existence.

I have updated the noaa correspondence sheet with this question as issue #10.

https://docs.google.com/spreadsheets/d/1hhMAEg-l9vmYuzNNAmJAhAH8wg0Ypx2M_LGDsUL-hs/edit#gid=0

Please let us know how we should move forward with these assigned features.

Best,

Izzy

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

Isadora Kratchman <izzy@etracinc.com>

To: David Neff <david@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

Tue, Sep 4, 2018 at 8:23 AM

If the LNDARE is underwater we may be able to capture it by swinging our beams so we can stay a safe distance from the towers.

If the LNDARE is above water we will need to come up with a different plan.

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

From: **Kathryn Pridden - NOAA Federal** <kathryn.pridgen@noaa.gov>

Date: Tue, Sep 4, 2018 at 7:35 AM

Subject: Re: LNDARE investigation requirements

To: Isadora Kratchman <izzy@etracinc.com>

CC: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>

Isadora

In regards to your question on the investigation requirements for the LNDARE feature, I believe it is best to following the guidance of the HSSD 2018. Please visually confirm the existence of the features and obtain the height of the LNDARE feature. There is usually an associated LNDELV feature associated with the LNDARE feature, but in this case there is not, so we would like a height on

11/13/2018

ETracinc Mail - LNDARE investigation requirements

the LNDARE feature so we can submit the associated LNDELV and determine if the feature is correct attributed as a LNDARE feature or if it needs to be re-charted as a UWTROC feature. Please just visually confirm the LDNMRK feature, no height is needed for the LDNMRK feature.

Katy

Kathryn "Katy" Pridgen
Physical Scientist
NOAA-HSD OPS
240-533-0033
kathryn.pridgen@noaa.gov

[Quoted text hidden]
[Quoted text hidden]



David Neff <david@etracinc.com>

Sediment Card

6 messages

Jacklyn <jacklyn.c.james@noaa.gov>
 To: David Neff <david@etracinc.com>
 Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Fri, Aug 31, 2018 at 9:06 AM

Dave,

I've attached the sediment card that NOAA ships are using in the field. It prints to scale on a 8.5"x11" sheet. Please let us know if you have questions.

--
 Jacklyn James
 Physical Scientist/ COR III
 Hydrographic Surveys Division
 1315 East-West Highway
 SSMC3 Room 6114
 Silver Spring, MD 20910
 *(o) 240-847-8173 **NEW NUMBER***

jacklyn.c.james@noaa.gov

To see live feeds from the NOAA Ship Okeanos Explorer go to the web site below.

<http://oceanexplorer.noaa.gov/okeanos/welcome.html#>

82436_SedRockCard.pdf
461K

David Neff <david@etracinc.com>

To: Jacklyn <jacklyn.c.james@noaa.gov>

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Fri, Aug 31, 2018 at 9:10 AM

Ok, Thanks Jacklyn. You'll have to refresh my memory and I'm sorry if we've talked about this, but since we are not performing actual bottom samples, are we to use this card to estimate a sediment size and classification from the bottom sample imagery?

[Quoted text hidden]

--
David Neff, C.H.
 Mobile: (415) 517-0020
www.etracinc.com

Jacklyn <jacklyn.c.james@noaa.gov>

To: David Neff <david@etracinc.com>

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Fri, Aug 31, 2018 at 11:04 AM

Hi Dave,

Yes. You can use the sediment card as a guide to describe the bottom characteristics of the still images collected. Appendix I Bottom Sample Drop Camera Imagery of the project instructions outlines the requirements for imagery collection with the exception of the guidance in number 4 (**Grab Sample – An image of the recovered sample with color card and grain size grid. If no grab sample is obtained e.g. hard substrate this image is not required**) because we decided against collecting physical samples. Please let me know if you have additional questions.

[Quoted text hidden]
[Quoted text hidden]

Visit our Upcoming Hydrographic Surveys!

To see live feeds from the NOAA Ship Okeanos Explorer go to the web site below.
<http://oceanexplorer.noaa.gov/okeanos/welcome.html#>

David Neff <david@etracinc.com>

To: Lisa Diamond <lisa@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>

Sat, Sep 1, 2018 at 10:19 AM

This is an email from Jackie

[Quoted text hidden]

--

David Neff, C.H.

Mobile: (415) 517-0020

www.etracinc.com

 **82436_SedRockCard.pdf**
461K

David Neff <david@etracinc.com>

To: Isadora Kratchman <izzy@etracinc.com>, Lisa Diamond <lisa@etracinc.com>

Sat, Sep 1, 2018 at 10:20 AM

This is her response when I asked her what we're supposed to do with it.

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

From: **Jacklyn** <jacklyn.c.james@noaa.gov>

Date: Fri, Aug 31, 2018 at 11:04 AM

Subject: Re: Sediment Card

To: David Neff <david@etracinc.com>

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Kathryn Pridden - NOAA Federal <kathryn.pridgen@noaa.gov>

[Quoted text hidden]

[Quoted text hidden]

Isadora Kratchman <izzy@etracinc.com>

To: David Neff <david@etracinc.com>

Sat, Sep 1, 2018 at 10:29 AM

..... thanks Jackie.

[Quoted text hidden]

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report - 08/27/2018 to 09/02/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Sep 3, 2018 at 3:38 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, kathryn.pridgen@noaa.gov

Cc: progress.sketches@noaa.gov, David Neff <dave@etracinc.com>

Bcc: Verena Kellner <verena@etracinc.com>, Lisa Diamond <lisa@etracinc.com>

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 09/02/2018 as well as the required floating point raster.

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

2 attachments **OPR-H355-KR-18-_September_2.bag**
4097K **OPR-H355-KR-18-_September_2.pdf**
739K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 9/03/2018 to 9/9/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Sep 10, 2018 at 12:32 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, kathryn.pridgen@noaa.gov

Cc: progress.sketches@noaa.gov, David Neff <david@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 09/09/2018 as well as the required floating point raster.

Regards,

Izzy

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

2 attachments **OPR_H355_KR_18_September_9.tif**
1772K **OPR_H355_KR_18_-September_9.pdf**
3910K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 9/10/2018 to 9/16/2018

6 messages

Lisa Diamond <lisa@etracinc.com>

Mon, Sep 17, 2018 at 12:39 PM

To: jacklyn.c.james@noaa.gov, kathryn.pridgen@noaa.gov

Cc: progress.sketches@noaa.gov, David Neff <dave@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>, Verena Kellner <verena@etracinc.com>

Hello,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 09/16/2018 as well as the required floating point raster.

Best Regards,



--

Lisa Diamond

Hydrographic Surveyor

Mobile: (847) 414-6783

www.etracinc.com

2 attachments **OPR_H355_KR_18_September_16.tif**
2425K **OPR_H355_KR_18_-September_16.pdf**
426K

Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Mon, Sep 17, 2018 at 12:48 PM

To: Lisa Diamond <lisa@etracinc.com>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, progress.sketches@noaa.gov, David Neff <dave@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>, Verena Kellner <verena@etracinc.com>

Lisa

Thank you for the submission of the weekly progress report and tiff. In the future could you please submit the tiff to this google drive folder:

<https://drive.google.com/drive/folders/1VxBZrNh2L1aMcSvgaK0AMND7li0HHe2?usp=sharing>

Eventually the tiff files become too large to email so we are asking all contractors to submit them via google drive instead. This folder is only for etrac files and we have added your email for access, please do not delete the existing files there. Please continue to submit the pdf weekly report via progress.sketches@noaa.gov

Thank you
Katy

Kathryn "Katy" Pridgen
Physical Scientist
NOAA-HSD OPS
240-533-0033
kathryn.pridgen@noaa.gov

[Quoted text hidden]

Lisa Diamond <lisa@etracinc.com>

Mon, Sep 17, 2018 at 2:01 PM

To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>
Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, progress.sketches@noaa.gov, David Neff <dave@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>, Verena Kellner <verena@etracinc.com>

Kathryn,

Thank you for the information. I have uploaded the two files to the google drive folder and will continue to upload the weekly deliverables to that location, as well as send the pdf of the weekly report via email.

Best Regards,

[Quoted text hidden]

Isadora Kratchman <izzy@etracinc.com>
To: Lisa Diamond <lisa@etracinc.com>

Mon, Sep 17, 2018 at 2:22 PM

Shoot Lisa. Sorry for not telling you about the google drive. Totally forgot about it. Someone else from noaa had replied to me and asked me to start putting them there. Is the one from last week on there? I dont remember doing it.

[Quoted text hidden]

--

Isadora Kratchman

Hydrographic Surveyor
Mobile: (301) 706-9246
www.etracinc.com

Lisa Diamond <lisa@etracinc.com>
To: Isadora Kratchman <izzy@etracinc.com>

Mon, Sep 17, 2018 at 2:24 PM

No worries, I didn't have access to that folder anyways so it was probably ok that I submitted it via email and added it after I gained access. And yes, last week is in there.

[Quoted text hidden]

Isadora Kratchman <izzy@etracinc.com>
To: Lisa Diamond <lisa@etracinc.com>

Mon, Sep 17, 2018 at 2:25 PM

It's also not in the specs soooooo

Thanks noaa (:

[Quoted text hidden]



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 9/17/2018 to 9/23/2018

2 messages

Lisa Diamond <lisa@etracinc.com>

Mon, Sep 24, 2018 at 3:16 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal

<kathryn.pridgen@noaa.gov>

Cc: David Neff <david@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>, Verena Kellner <verena@etracinc.com>, progress.sketches@noaa.gov

Hello,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 09/23/2018. The associated floating point raster with data coverage through 09/23/2018 has been uploaded to the google drive folder.

Please note that our ship, the M/V Marcelle, has been collecting data this week but their data is not included in the floating point raster due to limited connectivity for data transfers.

Best Regards,


--

Lisa Diamond

Hydrographic Surveyor

Mobile: (847) 414-6783

www.etracinc.com

 **OPR_H355_KR_18_-September_23.pdf**
399K

Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Tue, Sep 25, 2018 at 7:31 AM

To: Lisa Diamond <lisa@etracinc.com>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, david@etracinc.com, Isadora Kratchman

<izzy@etracinc.com>, Verena Kellner <verena@etracinc.com>, progress.sketches@noaa.gov

Thank you for the update.

Kathryn "Katy" Pridgen
Physical Scientist
NOAA-HSD OPS
240-533-0033
kathryn.pridgen@noaa.gov

[Quoted text hidden]



Isadora Kratchman <izzy@etracinc.com>

eTrac Survey Operations - FKNMS

2 messages

David Neff <david@etracinc.com>

Fri, Sep 28, 2018 at 11:09 AM

To: FKCF1@hotmai.com, roy.crabtree@noaa.gov, sunny.snider@noaa.gov, Andy.Strelcheck@noaa.gov, Heather.Blough@noaa.gov, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Dave Bernstein <dave@geodynamicsgroup.com>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Stacy Fullerton - NOAA Federal <stacy.fullerton@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>, Joanne Delaney - NOAA Affiliate <joanne.delaney@noaa.gov>, Stephen Werndli - NOAA Federal <stephen.werndli@noaa.gov>, Ryan Kilgo <ryan@bordelonmarine.com>, Wes Bordelon <wes@bordelonmarine.com>, Tim Osborn <tim.osborn@noaa.gov>, Jay Nunenkamp - NOAA Federal <jay.nunenkamp@noaa.gov>

All,

I have had a professional and mutually respectful phone conversation with Capt. Bill Kelly from the Florida Keys Commercial Fishermen's Association. Capt. Kelly is a knowledgeable leader in the Florida Keys fishing community and we are working together to remedy the situation, and mitigate any negative impact that our survey operations may have on the local fishing community.

To recap:

While at dock yesterday (09/27) evening, one of the captains of the Marcelle Bordelon, was approached by a local lobster fisherman and a verbal exchange occurred. The fisherman alleged that the Marcelle Bordelon was running over lobster pots with no regard for the deployed equipment. The Marcelle captain had a less than cordial response, however tensions were reportedly high from both parties involved.

eTrac, along with its subcontractors, would like to state that it is our intention to work with and respect the local community. The response from the vessel captain does not reflect our intentions or attitude. This response is being investigated and corrected.

I have attached a Local Notice to Mariners to this email and will distribute it to USCG as well.

Moving forward, we will be correcting the behavior, attitude and understanding of anyone involved in the survey operation to align with eTrac's overall goal of working safely and efficiently with the local community so as not to negatively affect any local fishing activity, destroy property, or disrupt the livelihoods of any individuals.

We are making an immediate effort to educate the local community on our operations so that the community as a whole is more aware of our survey operations, geographic area of operations, and general intentions.

I will be working with Capt. Kelly and other local resources to identify ways to mitigate the situation, as we do need to continue to be productive with our survey work as well.

If anyone has any questions whatsoever, please do not hesitate to contact me via email or my direct cell phone. 415-517-0020. We promote open communication and are committed to the common goal of positive and thoughtful stewardship of our oceans.

P.S. For a graphic of our survey boundaries and up to date progress of the operations, please follow the link below to access our live project tracker.

noaa.etracinc.com

--

David Neff, C.H.

Mobile: (415) 517-0020

www.etracinc.com

LNM_eTrac_180928.pdf

 381K**Bill Kelly** <fkcf1@hotmail.com>

Sun, Sep 30, 2018 at 1:43 PM

To: David Neff <david@etracinc.com>, "roy.crabtree@noaa.gov" <roy.crabtree@noaa.gov>, "sunny.snider@noaa.gov" <sunny.snider@noaa.gov>, "Andy.Strelcheck@noaa.gov" <Andy.Strelcheck@noaa.gov>, "Heather.Blough@noaa.gov" <Heather.Blough@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Dave Bernstein <dave@geodynamicsgroup.com>, Kyle Ward - NOAA Federal <kyle.ward@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Stacy Fullerton - NOAA Federal <stacy.fullerton@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>, Joanne Delaney - NOAA Affiliate <joanne.delaney@noaa.gov>, Stephen Werndli - NOAA Federal <stephen.werndli@noaa.gov>, Ryan Kilgo <ryan@bordelonmarine.com>, Wes Bordelon <wes@bordelonmarine.com>, Tim Osborn <tim.osborn@noaa.gov>, Jay Nunenkamp - NOAA Federal <jay.nunenkamp@noaa.gov>, David Dipre <david.dipre@myfwc.com>

David,

Thanks for the prompt response and copy of the 'Hydrographic Operations Plan' which I have forwarded to our fishermen and FWC Law Enforcement. No other incidents have been reported to me and I trust your rapid response has perhaps avoided the threat of any future incidents.

Bill

Capt. Bill Kelly, Executive Director
Florida Keys Commercial Fishermen's Association
PO Box 501404
Marathon, FL 33050
305-619-0039 C
305-743-0294 F
FKCFA1@hotmail.com
www.FKCFA.org

From: David Neff <david@etracinc.com>**Sent:** Friday, September 28, 2018 2:09 PM**To:** FKCFA1@hotmail.com; roy.crabtree@noaa.gov; sunny.snider@noaa.gov; Andy.Strelcheck@noaa.gov; Heather.Blough@noaa.gov; Corey Allen - NOAA Federal; Dave Bernstein; Kyle Ward - NOAA Federal; Jacklyn James - NOAA Federal; Kathryn Pridgen - NOAA Federal; Stacy Fullerton - NOAA Federal; Isadora Kratchman; Joanne Delaney - NOAA Affiliate; Stephen Werndli - NOAA Federal; Ryan Kilgo; Wes Bordelon; Tim Osborn; Jay Nunenkamp - NOAA Federal**Subject:** eTrac Survey Operations - FKNMS

[Quoted text hidden]

 **LNM_eTrac_180928.pdf**
381K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 9/24/2018 to 9/30/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Oct 1, 2018 at 3:14 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <david@etracinc.com>, Verena Kellner <verena@etracinc.com>, progress.sketches@noaa.gov, Lisa Diamond <lisa@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 09/30/2018. The associated floating point raster with data coverage through 09/30/2018 has been uploaded to the google drive folder.

Best Regards,


--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 **OPR_H355_KR_18_-September_30.pdf**
4148K

Preliminary Bathy For Planning

4 messages

David Neff <david@etracinc.com>

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, "J. Christopher Taylor" <chris.taylor@noaa.gov>

Wed, Oct 3, 2018 at 9:59 AM

Hi Jacklyn and Katy,

Chris Taylor is currently planning a cruise on the Nancy Foster in the FL Keys NMS to start on or around November 5th. He has requested preliminary bathy data from our current project for planning purposes. We will be exporting BAGs for him and will setup a download link. Just wanted to keep you in the loop and make sure there are no questions or concerns with this.

--
David Neff, C.H.

Mobile: (415) 517-0020
www.etracinc.com

Chris Taylor - NOAA Federal <chris.taylor@noaa.gov>

To: David Neff <david@etracinc.com>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, kathryn.pridgen@noaa.gov, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Don Field <Don.Field@noaa.gov>

Wed, Oct 3, 2018 at 12:14 PM

Thanks Dave.

We've been keeping up with the progress on the FKNMS project. Very cool website. Interesting features already developed and good to see the video data.

[Quoted text hidden]

--
J. Christopher Taylor, PhD

National Centers for Coastal Ocean Science
@ NOAA's Beaufort Laboratory

101 Pivers Island Road, Beaufort, North Carolina 28516

O: +1 252 838 0833 M: +1 252 723 3993

Website: <http://coastalscience.noaa.gov/>

Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

To: David Neff <david@etracinc.com>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, chris.taylor@noaa.gov

Wed, Oct 3, 2018 at 12:39 PM

Dave,

Thank you for the information. Please continue to keep us informed.

Katy

Kathryn "Katy" Pridgen

Physical Scientist

NOAA-HSD OPS

240-533-0033

kathryn.pridgen@noaa.gov

11/13/2018

ETracInc Mail - Preliminary Bathy For Planning

On Wed, Oct 3, 2018 at 12:59 PM David Neff <david@etracinc.com> wrote:

[Quoted text hidden]

David Neff <david@etracinc.com>

To: "J. Christopher Taylor" <chris.taylor@noaa.gov>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Don.Field@noaa.gov, Isadora Kratchman <izzy@etracinc.com>

Thu, Oct 4, 2018 at 1:28 PM

Chris,

We've made the BAG export of all data on the project to date. Click the link below for the download:

[BAG DOWNLOAD](#)

The download is approx 1 GB.

Latest Coverage:

[noaa.etracinc.com](#)

[Quoted text hidden]



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 September Monthly Report

1 message

Isadora Kratchman <izzy@etracinc.com>

Thu, Oct 4, 2018 at 12:41 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <david@etracinc.com>

Jacklyn and Kathryn,

Attached is our September Monthly Report for OPR-H355-KR-18.

We will also upload this report via TOMIS.

Best Regards,
Izzy

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com**eTrac_Productivity Report_September_2018.xlsx**

109K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 10/01/2018 to 10/07/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Oct 8, 2018 at 10:49 AM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <david@etracinc.com>, Verena Kellner <verena@etracinc.com>, progress.sketches@noaa.gov, Lisa Diamond <lisa@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 10/07/2018. The associated floating point raster with data coverage through 10/07/2018 has been uploaded to the google drive folder.

Best Regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com**OPR_H355_KR_18_-October_7.pdf**

4178K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 10/08/2018 to 10/14/2018

2 messages

Isadora Kratchman <izzy@etracinc.com>

Mon, Oct 15, 2018 at 1:31 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <david@etracinc.com>, Verena Kellner <verena@etracinc.com>, progress.sketches@noaa.gov, Lisa Diamond <lisa@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 10/14/2018. The associated floating point raster with data coverage through 10/14/2018 has been uploaded to the google drive folder.

Best Regards,


--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 **OPR_H355_KR_18_-October_14.pdf**
4793K**Isadora Kratchman** <izzy@etracinc.com>

Mon, Oct 15, 2018 at 1:41 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <david@etracinc.com>, Verena Kellner <verena@etracinc.com>, progress.sketches@noaa.gov, Lisa Diamond <lisa@etracinc.com>

All,


There was a mistake in our percentages on the first page of the report.

Attached is the corrected weekly report detailing OPR-H355-KR-18 project completion through 10/14/2018. I have re-uploaded the report to the google drive folder.

Best Regards,

Izzy

[Quoted text hidden]

 **OPR_H355_KR_18_-October_14.pdf**
4793K



David Neff <david@etracinc.com>

eTrac Delivery to AHB of OPR-H355-KR-18

5 messages

David Neff <david@etracinc.com>

To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

Fri, Oct 19, 2018 at 1:58 PM

Kathryn,

To recap the conversations today.

This morning I had a conversation with Gene Parker discussing eTrac's delivery of OPR-H355-KR-18 Florida Keys. eTrac is utilizing Qimera for processing of multibeam data and generating S57 FFF deliverable files. As Qimera is not a accepted branch deliverable per HSSD, these are the steps we will be taking per our recent conversation:

1. We will deliver GSF files in the specified folder HXXXXX_GSF. The GSF files will be all processed point files that the grid deliverable is based upon. This will mean an importing step at the branch, but will satisfy the spec.
2. We will deliver our Qimera project. Talking with Gene, it sounds like they would like to be able to open the Qimera project there and have a look around during the QC process. This would not require any import/rebuilding work, however is not a specified deliverable.

Let me know if there are any questions or suggestions you would like to make to our current understanding.

Can you please advise a folder to deliver the Qimera Project in within Appendix J?

have a great weekend

--
David Neff, C.H.

Mobil: (415) 517-0020

www.etracinc.com

Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

To: David Neff <david@etracinc.com>

Cc: Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

Mon, Oct 22, 2018 at 8:24 AM

Dave

Thank you for the summary. Please submit all files as Gene has specified.

Thank you

katy

Kathryn "Katy" Pridgen

Physical Scientist

NOAA-HSD OPS

240-533-0033

kathryn.pridgen@noaa.gov

[Quoted text hidden]

11/13/2018

ETracinc Mail - eTrac Delivery to AHB of OPR-H355-KR-18

Mon, Oct 22, 2018 at 8:49 AM

David Neff <david@etracinc.com>
To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>
Cc: Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

Ok Kathryn, sounds good. Can you or Gene please specify a directory to deliver the Qimera project within?

Thanks

Dave
[Quoted text hidden]

Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>

To: David Neff <david@etracinc.com>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>
Cc: Isadora Kratchman <izzy@etracinc.com>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

Mon, Oct 22, 2018 at 8:57 AM

Good day,

Recommend to add the Qimera project under the Sonar_Data directory.

OPR-H355-KR-18\HXXXX\Processed\Sonar_Data\Qimera

Although this is not specified under HSSD 2018 Appendix J, it seems to be the most logical place.

If agreed, place this email trail in DR Appendix 2 Supplemental_Survey_Records_Correspondence to serve as the documentation for the deviation.

Thanks and regards,

gp

Castle Eugene Parker

NOAA Office of Coast Survey

Atlantic Hydrographic Branch

Hydrographic Team Lead / Physical Scientist

castle.e.parker@noaa.gov

office (757) 364-7472

From: David Neff <david@etracinc.com>

Sent: Monday, October 22, 2018 11:50 AM

To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>; Isadora Kratchman <izzy@etracinc.com>; Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>; Corey Allen - NOAA

11/13/2018

ETracinc Mail - eTrac Delivery to AHB of OPR-H355-KR-18

Federal <corey.allen@noaa.gov>

Subject: Re: eTrac Delivery to AHB of OPR-H355-KR-18

[Quoted text hidden]

David Neff <david@etracinc.com>

To: Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>

Cc: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

Mon, Oct 22, 2018 at 8:59 AM

Agreed, that is a logical place to place the Qimera project. Will include this correspondence in Appendix 2.

Thanks,

Dave

[Quoted text hidden]



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 10/15/2018 to 10/21/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Oct 22, 2018 at 2:42 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: progress.sketches@noaa.gov, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 10/21/2018. The associated floating point raster with data coverage through 10/21/2018 has been uploaded to the google drive folder.

Best Regards,


--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 **OPR_H355_KR_18_-October_21.pdf**
4925K

NATQUA Attribute on Bottom Samples

6 messages

David Neff <david@etracinc.com>

To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>

Thu, Nov 8, 2018 at 10:18 AM

Hi Kathryn,

After speaking with Izzy this morning, eTrac feels that it would be reaching to determine a NATQUA attribute from the dropcam imagery alone without a physical sample. Can you please advise? Should we leave that attribute blank with a note?

--
David Neff, C.H.

Mobile: (415) 517-0020
www.etracinc.com

Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

To: David Neff <david@etracinc.com>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>

Thu, Nov 8, 2018 at 10:37 AM

Dave,

Could you please provide some examples of the imagery captured by the drop camera? Do you think you can at least differentiate between a soft vs hard bottom type?

Katy

Kathryn "Katy" Pridgen
Physical Scientist
NOAA-HSD OPS
240-533-0033
kathryn.pridgen@noaa.gov

[Quoted text hidden]

David Neff <david@etracinc.com>

To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>

Thu, Nov 8, 2018 at 10:47 AM

Good idea. Izzy is packing up some images now and then you can see what we're talking about.

Dave

[Quoted text hidden]

David Neff <david@etracinc.com>

To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>

Thu, Nov 8, 2018 at 11:08 AM

Kathryn,

Attached are a bunch of images so you get a good idea of what we're working with. The thought is that we can have confidence in determining NATQUA attributes of some samples, but not all of them. Have a look through the images and maybe give a call or chat to discuss.

Dave

[Quoted text hidden]

 **ROV Images.zip**

6966K

Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

To: David Neff <david@etracinc.com>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>

Thu, Nov 8, 2018 at 12:25 PM

Dave,

Do you feel confident that you can determine the correct NATSUR attribution for these drop camera images?

Katy

 Kathryn "Katy" Pridgen

Physical Scientist

NOAA-HSD OPS

240-533-0033

kathryn.pridgen@noaa.gov

On Thu, Nov 8, 2018 at 1:19 PM David Neff <david@etracinc.com> wrote:

[Quoted text hidden]

David Neff <david@etracinc.com>

To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>, Isadora Kratchman <izzy@etracinc.com>, Martha Herzog - NOAA Federal <martha.herzog@noaa.gov>

Thu, Nov 8, 2018 at 1:38 PM

Kathryn,

To summarize our conversation just now and close this item.

eTrac feels comfortable determining the NATSUR for each bottom sample from the existing imagery.

As NATQUA is not a requirement, we will not be attributing it based on insufficient field sample data.

We will document this decision making process in our DR and provide feedback on the advantages and disadvantages of each sampling technique (dropcam and physical grabs).

I've updated our project correspondence as well:

https://docs.google.com/spreadsheets/d/1hhMAEg-l9vmYuzNNAmJAihAH8wg0Ypx2M_LGDsUL-hs/edit#gid=0

Dave

[Quoted text hidden]



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 10/22/2018 to 10/28/2018

4 messages

Isadora Kratchman <izzy@etracinc.com>

Mon, Oct 29, 2018 at 10:50 AM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal

<kathryn.pridgen@noaa.gov>

Cc: progress.sketches@noaa.gov, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 10/28/2018. The associated floating point raster with data coverage through 10/28/2018 has been uploaded to the google drive folder.

Best Regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com**OPR_H355_KR_18_-October_28.pdf**

4342K

Meredith Payne - NOAA Federal <meredith.payne@noaa.gov>

Mon, Oct 29, 2018 at 11:39 AM

To: Isadora Kratchman <izzy@etracinc.com>

Hi Isadora,

I do not see the floating point raster in Google Drive.

Sincerely,

Meredith

[Quoted text hidden]

--

Meredith C. Payne

Physical Scientist,

Hydrographic Surveys Division Operations Branch

National Oceanic & Atmospheric Administration

[1315 East-West Hwy](#), N/CS31

Silver Spring, MD 20910

240-533-0025

Visit our [StoryMap!](#)Sign up for our [Weekly Hydrographic Ship Reports Newsletter](#)

Isadora Kratchman <izzy@etracinc.com>

Mon, Oct 29, 2018 at 11:45 AM

To: meredith.payne@noaa.gov

Meredith,

Just re-uploaded the floating point raster.

Best,

Izzy

[Quoted text hidden]

Meredith Payne - NOAA Federal <meredith.payne@noaa.gov>

Mon, Oct 29, 2018 at 11:50 AM

11/14/2018

ETracInc Mail - OPR-H355-KR-18 - Weekly Progress Report 10/22/2018 to 10/28/2018

To: Isadora Kratchman <izzy@etracinc.com>

Thanks!

[Quoted text hidden]



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 September Monthly Report

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Nov 5, 2018 at 2:30 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <dave@etracinc.com>

Jacklyn and Kathryn,

Attached is our October Monthly Report for OPR-H355-KR-18.

We will also upload this report via TOMIS.

Best Regards,
Izzy

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com**eTrac_Productivity Report_Octoberr_2018.xlsx**

108K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 10/29/2018 to 11/4/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Nov 5, 2018 at 4:04 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: progress.sketches@noaa.gov, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 11/04/2018. The associated floating point raster with data coverage through 11/04/2018 has been uploaded to the google drive folder.

Best Regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com**OPR_H355_KR_18_-November_04.pdf**

5547K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 11/5/2018 to 11/11/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Nov 12, 2018 at 12:44 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: progress.sketches@noaa.gov, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 11/11/2018. The associated floating point raster with data coverage through 11/11/2018 has been uploaded to the google drive folder.

Best Regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com**OPR_H355_KR_18_-November_11.pdf**

4543K



Lisa Diamond <lisa@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 11/12/2018 to 11/18/2018

Isadora Kratchman <izzy@etracinc.com>

Mon, Nov 19, 2018 at 10:41 AM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <dave@etracinc.com>, progress.sketches@noaa.gov, Verena Kellner <verena@etracinc.com>, Lisa Diamond <lisa@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 11/18/2018. The associated floating point raster with data coverage through 11/18/2018 has been uploaded to the google drive folder.

Best Regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 OPR_H355_KR_18_-November_18.pdf
5023K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 11/12/2018 to 11/25/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Nov 26, 2018 at 9:55 AM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <dave@etracinc.com>, progress.sketches@noaa.gov, Verena Kellner <verena@etracinc.com>, Lisa Diamond <lisa@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 11/25/2018. The associated floating point raster with data coverage through 11/25/2018 has been uploaded to the google drive folder.

Best Regards,


--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 **OPR_H355_KR_18_-November_25.pdf**
4651K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 11/26/2018 to 12/2/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Dec 3, 2018 at 11:35 AM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <dave@etracinc.com>, progress.sketches@noaa.gov, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 12/2/2018. The associated floating point raster with data coverage through 12/2/2018 has been uploaded to the google drive folder.

Best Regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 OPR_H355_KR_18_-December_02.pdf
4793K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 November Monthly Report

1 message

Isadora Kratchman <izzy@etracinc.com>

Tue, Dec 4, 2018 at 1:14 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal

<kathryn.pridgen@noaa.gov>

Cc: David Neff <dave@etracinc.com>

Jacklyn and Kathryn,

Attached is our November Monthly Report for OPR-H355-KR-18.

We will also upload this report via TOMIS.

Best Regards,
Izzy

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 **eTrac_Productivity Report_November_2018.xlsx**
110K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 Florida Keys

David Neff <david@etracinc.com>

Mon, Dec 10, 2018 at 12:20 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>

Cc: Isadora Kratchman <izzy@etracinc.com>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

I'm leaving tomorrow for a quick trip to the east coast, flying back on Thursday, but today is good if you have a free moment now through the rest of today.

On Mon, Dec 10, 2018 at 12:19 PM Jacklyn <jacklyn.c.james@noaa.gov> wrote:

Thanks Dave. I would love to catch up by phone. Please let me know what time works for you.

On Mon, Dec 10, 2018 at 3:16 PM David Neff <david@etracinc.com> wrote:

Welcome back Jacklyn,

Things have been eventful in your absence, as I am sure Kathryn has relayed to you by now. Let me know if you would like to catchup via phone for a project update.

Dave

On Mon, Dec 10, 2018 at 12:14 PM Jacklyn <jacklyn.c.james@noaa.gov> wrote:

All,

I'm officially back in the Operations Branch and will resume my role as COR/PM for this project. Thanks to Kathryn for managing the project while I was away on my detail with the Marine Charting Division.

--

Jacklyn James
Physical Scientist/ COR III
Hydrographic Surveys Division
1315 East-West Highway
SSMC3 Room 6114
Silver Spring, MD 20910
(o) 240-847-8173 NEW NUMBER

jacklyn.c.james@noaa.gov

View our [Upcoming Hydrographic Surveys!](#)

To see live feeds from the NOAA Ship Okeanos Explorer go to the web site below.

<http://oceanexplorer.noaa.gov/okeanos/welcome.html#>

--

David Neff, C.H.
Mobile: (415) 517-0020
www.etracinc.com

--

Jacklyn James
Physical Scientist/ COR III

Hydrographic Surveys Division
1315 East-West Highway
SSMC3 Room 6114
Silver Spring, MD 20910
(o) 240-847-8173 NEW NUMBER

jacklyn.c.james@noaa.gov

View our Upcoming Hydrographic Surveys!

To see live feeds from the NOAA Ship Okeanos Explorer go to the web site below.

<http://oceanexplorer.noaa.gov/okeanos/welcome.html#>

--

David Neff, C.H.

Mobile: (415) 517-0020

www.etracinc.com



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 12/03/2018 to 12/09/2018

Lisa Diamond <lisa@etracinc.com>

Mon, Dec 10, 2018 at 2:17 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <dave@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>, Verena Kellner <verena@etracinc.com>, progress.sketches@noaa.gov

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 12/9/2018. The associated floating point raster with data coverage through 12/9/2018 has been uploaded to the google drive folder.

Best Regards,


--

Lisa Diamond

Hydrographic Surveyor

Mobile: (847) 414-6783

www.etracinc.com

 **OPR_H355_KR_18_-December_09.pdf**
788K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 12/10/2018 to 12/16/2018

1 message

Isadora Kratchman <izzy@etracinc.com>

Mon, Dec 17, 2018 at 9:47 AM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: progress.sketches@noaa.gov, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 12/16/2018. The associated floating point raster with data coverage through 12/16/2018 has been uploaded to the google drive folder.

Best Regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com**OPR_H355_KR_18_-December_16.pdf**

4626K



Isadora Kratchman <izzy@etracinc.com>

H13168 DtoN 01, 02, 03

1 message

Isadora Kratchman <izzy@etracinc.com>

Thu, Dec 20, 2018 at 12:43 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal

<kathryn.pridgen@noaa.gov>, ahb.dton@noaa.gov

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, David Neff <dave@etracinc.com>, ahb.dton@noaa.gov, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

All,

Please find attached the standard DtoN packages detailing H13168 DtoN 01, 02, and 03.

All three of these DtoNs are clusters of rocks and contain numerous features within each S57.

To mimic our delivery guidance of previous clusters I have also attached a 1m tiff image of the area.

 **H13168_1m.tif**

Best regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

3 attachments **H13168_DtoN_01_1_10.zip**
3630K **H13168_DtoN_02_1_8.zip**
3140K **H13168_DtoN_03_1_4.zip**
1136K

H13168 DtoN #1 - #3 Submission to NDB

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

Fri, Dec 21, 2018 at 8:44 AM

To: Castle E Parker <Castle.E.Parker@noaa.gov>

Cc: Briana Hillstrom - NOAA Federal <Briana.Hillstrom@noaa.gov>, Jacklyn James - NOAA Federal <Jacklyn.C.James@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, David Neff <dave@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>, _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>, 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-30251 has been registered by the Nautical Data Branch and directed to Products Branch B for processing.

The DtoNs reported are several rocks located 3 nautical miles north of the Marquesas Keys, FL.

The following charts have been assigned to the record:

11439 kapp 356
11434 kapp 373
11420 kapp 374
4148 kapp 420

The following ENC's have been assigned to the record:

US5FL4EM
US5FL4EN
US4FL1FS
US4FL92M
US3FL90M

References:

H13168
OPR-H355-KR-18

This information was discovered by a NOAA contractor and was submitted by AHB.

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



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

From: **Castle Parker - NOAA Federal** <castle.e.parker@noaa.gov>

Date: Fri, Dec 21, 2018 at 9:49 AM

Subject: H13168 DtoN #1 - #3 Submission to NDB

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

Cc: Briana Hillstrom - NOAA Federal <Briana.Hillstrom@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, David Neff

<dave@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

Good day,

Please find attached compressed file for H13168 DtoN Report #1 - #3, containing seven rocks (UWTROC-coral) that are shoaler than the current charted depths. The submission to Nautical Data Branch (NDB) and Marine Chart Division (MCD) is intended for chart application.

The information originates from a NOAA contract field unit and was submitted to the Atlantic Hydrographic Branch (AHB) for review, processing, and submission. The contents of the attached file were generated at AHB. The attached file contains a DtoN Letter (PDF), associated image files, and a Pydro XML file.

If you have any questions, please contact me via email or phone 757-364-7472. Thank you for your assistance with this matter.

Regards,

Gene

Castle Eugene Parker

NOAA Office of Coast Survey

Atlantic Hydrographic Branch

Hydrographic Team Lead / Physical Scientist

castle.e.parker@noaa.gov

office (757) 364-7472

 **H13168_DtoN_1-3.zip**
4952K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 - Weekly Progress Report 12/17/2018 to 12/23/2018

Isadora Kratchman <izzy@etracinc.com>

Mon, Dec 24, 2018 at 8:57 AM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: progress.sketches@noaa.gov, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 12/23/2018. The associated floating point raster with data coverage through 12/23/2018 has been uploaded to the google drive folder.

Best Regards,


--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 **OPR_H355_KR_18_-December_23.pdf**
70K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-18 December Monthly Report

Isadora Kratchman <izzy@etracinc.com>

Mon, Jan 7, 2019 at 5:17 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>

Jacklyn and Kathryn,

Attached is our December Monthly Report for OPR-H355-KR-18.

We will also upload this report via TOMIS once the site is back online.

Best Regards,
Izzy

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 **eTrac_Productivity Report_December_2018.xlsx**
110K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-19 - Weekly Progress Report 1/07/2019 to 1/13/2019

Isadora Kratchman <izzy@etracinc.com>

Mon, Jan 14, 2019 at 4:27 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>

Cc: David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, progress.sketches@noaa.gov, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 1/14/2019. The associated floating point raster with data coverage through 1/14/2019 has been uploaded to the google drive folder.

Best Regards

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 OPR_H355_KR_18_-January_13.pdf
4742K



Isadora Kratchman <izzy@etracinc.com>

H13168 DtoN 04

Briana Hillstrom - NOAA Federal <Briana.Hillstrom@noaa.gov>

Thu, Jan 17, 2019 at 6:35 AM

To: Isadora Kratchman <izzy@etracinc.com>

Cc: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, "'ahb.dton@noaa.gov' (ahb.dton@noaa.gov)" <ahb.dton@noaa.gov>, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

Thank you for your email. For your records, this DTON submission won't be processed until after the partial Government Shutdown ends.

On Wed, Jan 16, 2019 at 6:12 PM Isadora Kratchman <izzy@etracinc.com> wrote:

 **H13168_1m.tif**

All,

Please find attached the standard DtoN package detailing H13168 DtoN 04.

H13168 DtoN 04 is a sounding on an uncharted shoal.

Also attached is a 1m tiff image of the area.

Best regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

--

CDR Briana Welton Hillstrom, NOAA

Office of Coast Survey

Chief, Atlantic Hydrographic Branch

439 W York St, Norfolk, VA 23510

office: 757-364-7460

cell: 520-227-9269



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-19 - Weekly Progress Report 1/14/2019 to 1/20/2019

Isadora Kratchman <izzy@etracinc.com>

Sun, Jan 20, 2019 at 12:32 PM

To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>

Cc: David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, progress.sketches@noaa.gov, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 1/20/2019. The associated floating point raster with data coverage through 1/20/2019 has been uploaded to the google drive folder.

Best Regards

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 OPR_H355_KR_18_-January_20.pdf
400K



Isadora Kratchman <izzy@etracinc.com>

OPR-H355-KR-19 - Weekly Progress Report 1/21/2019 to 1/27/2019

Isadora Kratchman <izzy@etracinc.com>

Mon, Jan 28, 2019 at 10:38 AM

To: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>

Cc: David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, progress.sketches@noaa.gov, Verena Kellner <verena@etracinc.com>

All,

Please find attached the weekly report detailing OPR-H355-KR-18 project completion through 1/27/2019. The associated floating point raster with data coverage through 1/27/2019 has been uploaded to the google drive folder.

Best Regards


--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

 **OPR_H355_KR_18_-January_27.pdf**
4703K



Isadora Kratchman <izzy@etracinc.com>

FW: H13168 DToN #4

Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>

Tue, Jan 29, 2019 at 8:09 AM

To: Isadora Kratchman <izzy@etracinc.com>

Cc: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

FYI,

Reference email below regarding H13168 DtoN #4 evaluation submission.

Regards,

gp

*Castle Eugene Parker**NOAA Office of Coast Survey**Atlantic Hydrographic Branch**Hydrographic Team Lead / Physical Scientist*castle.e.parker@noaa.gov*office (757) 364-7472***From:** Clinton Marcus - NOAA Federal <clinton.r.marcus@noaa.gov>**Sent:** Tuesday, January 29, 2019 10:50 AM**To:** AHB Chief - NOAA Service Account <ahb.chief@noaa.gov>; Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>**Subject:** H13168 DToN #4

Good Morning,

After review of the submitted data, it was determined that the 16ft sounding submitted as a DToN did not warrant submission to NDB. The sounding lies approx 55m from a charted 18ft contour and is between a 15ft and 27ft charted sounding. Thank you, and please let me know if you have any questions.

V/R,

Clint Marcus
Physical Scientist

NOAA Office of Coast Survey

Atlantic Hydrographic Branch

1/30/2019

ETraInc Mail - FW: H13168 DToN #4

Office: (757) 364-7706

Cell: (541) 264-6406



H13168_DToN_4_Overview_AHB.jpg
40K



Isadora Kratchman <izzy@etracinc.com>

H13168 DtoN 01, 02, 03

1 message

Isadora Kratchman <izzy@etracinc.com>

Thu, Dec 20, 2018 at 12:43 PM

To: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal

<kathryn.pridgen@noaa.gov>, ahb.dton@noaa.gov

Cc: Corey Allen - NOAA Federal <corey.allen@noaa.gov>, David Neff <dave@etracinc.com>, ahb.dton@noaa.gov, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

All,

Please find attached the standard DtoN packages detailing H13168 DtoN 01, 02, and 03.

All three of these DtoNs are clusters of rocks and contain numerous features within each S57.

To mimic our delivery guidance of previous clusters I have also attached a 1m tiff image of the area.

 **H13168_1m.tif**

Best regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

3 attachments **H13168_DtoN_01_1_10.zip**
3630K **H13168_DtoN_02_1_8.zip**
3140K **H13168_DtoN_03_1_4.zip**
1136K



Isadora Kratchman <izzy@etracinc.com>

H13168 DtoN 04

Briana Hillstrom - NOAA Federal <Briana.Hillstrom@noaa.gov>

Thu, Jan 17, 2019 at 6:35 AM

To: Isadora Kratchman <izzy@etracinc.com>

Cc: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, "'ahb.dton@noaa.gov' (ahb.dton@noaa.gov)" <ahb.dton@noaa.gov>, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

Thank you for your email. For your records, this DTON submission won't be processed until after the partial Government Shutdown ends.

On Wed, Jan 16, 2019 at 6:12 PM Isadora Kratchman <izzy@etracinc.com> wrote:

 **H13168_1m.tif**

All,

Please find attached the standard DtoN package detailing H13168 DtoN 04.

H13168 DtoN 04 is a sounding on an uncharted shoal.

Also attached is a 1m tiff image of the area.

Best regards,

--

Isadora Kratchman

Hydrographic Surveyor

Mobile: (301) 706-9246

www.etracinc.com

--

CDR Briana Welton Hillstrom, NOAA

Office of Coast Survey

Chief, Atlantic Hydrographic Branch

439 W York St, Norfolk, VA 23510

office: 757-364-7460

cell: 520-227-9269



Isadora Kratchman <izzy@etracinc.com>

FW: H13168 DToN #4

Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>

Tue, Jan 29, 2019 at 8:09 AM

To: Isadora Kratchman <izzy@etracinc.com>

Cc: Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, David Neff <dave@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

FYI,

Reference email below regarding H13168 DtoN #4 evaluation submission.

Regards,

gp

*Castle Eugene Parker**NOAA Office of Coast Survey**Atlantic Hydrographic Branch**Hydrographic Team Lead / Physical Scientist*castle.e.parker@noaa.gov*office (757) 364-7472***From:** Clinton Marcus - NOAA Federal <clinton.r.marcus@noaa.gov>**Sent:** Tuesday, January 29, 2019 10:50 AM**To:** AHB Chief - NOAA Service Account <ahb.chief@noaa.gov>; Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>**Subject:** H13168 DToN #4

Good Morning,

After review of the submitted data, it was determined that the 16ft sounding submitted as a DToN did not warrant submission to NDB. The sounding lies approx 55m from a charted 18ft contour and is between a 15ft and 27ft charted sounding. Thank you, and please let me know if you have any questions.

V/R,

Clint Marcus
Physical Scientist

NOAA Office of Coast Survey

Atlantic Hydrographic Branch

1/29/2019

ETraInc Mail - FW: H13168 DToN #4

Office: (757) 364-7706

Cell: (541) 264-6406



H13168_DToN_4_Overview_AHB.jpg
40K



Isadora Kratchman <izzy@etracinc.com>

H13168 DtoN #1 - #3 Submission to NDB

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

Fri, Dec 21, 2018 at 8:44 AM

To: Castle E Parker <Castle.E.Parker@noaa.gov>

Cc: Briana Hillstrom - NOAA Federal <Briana.Hillstrom@noaa.gov>, Jacklyn James - NOAA Federal <Jacklyn.C.James@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, David Neff <dave@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>, _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>, 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-30251 has been registered by the Nautical Data Branch and directed to Products Branch B for processing.

The DtoNs reported are several rocks located 3 nautical miles north of the Marquesas Keys, FL.

The following charts have been assigned to the record:

11439 kapp 356
11434 kapp 373
11420 kapp 374
4148 kapp 420

The following ENC's have been assigned to the record:

US5FL4EM
US5FL4EN
US4FL1FS
US4FL92M
US3FL90M

References:

H13168
OPR-H355-KR-18

This information was discovered by a NOAA contractor and was submitted by AHB.

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



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

From: **Castle Parker - NOAA Federal** <castle.e.parker@noaa.gov>

Date: Fri, Dec 21, 2018 at 9:49 AM

Subject: H13168 DtoN #1 - #3 Submission to NDB

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

Cc: Briana Hillstrom - NOAA Federal <Briana.Hillstrom@noaa.gov>, Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, Kathryn Pridgen - NOAA Federal <kathryn.pridgen@noaa.gov>, David Neff

<dave@etracinc.com>, Isadora Kratchman <izzy@etracinc.com>, Lisa Diamond <lisa@etracinc.com>, Verena Kellner <verena@etracinc.com>

Good day,

Please find attached compressed file for H13168 DtoN Report #1 - #3, containing seven rocks (UWTROC-coral) that are shoaler than the current charted depths. The submission to Nautical Data Branch (NDB) and Marine Chart Division (MCD) is intended for chart application.

The information originates from a NOAA contract field unit and was submitted to the Atlantic Hydrographic Branch (AHB) for review, processing, and submission. The contents of the attached file were generated at AHB. The attached file contains a DtoN Letter (PDF), associated image files, and a Pydro XML file.

If you have any questions, please contact me via email or phone 757-364-7472. Thank you for your assistance with this matter.

Regards,

Gene

Castle Eugene Parker

NOAA Office of Coast Survey

Atlantic Hydrographic Branch

Hydrographic Team Lead / Physical Scientist

castle.e.parker@noaa.gov

office (757) 364-7472

 **H13168_DtoN_1-3.zip**
4952K

From: [Isadora Kratchman](#)
To: [Castle Parker - NOAA Federal](#)
Subject: Fwd: OPR-H355-KR-18 NCEI Sound Speed Data
Date: Monday, March 30, 2020 11:30:49 AM
Attachments: [OPR-H355-KR-18_20190327.zip](#)

Good morning Gene,

Below is the email that was sent for OPR-H355-KR-18 sous speed data.

Best regards,

Izzy

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

From: **Isadora Kratchman** <izzy@etracinc.com>
Date: Wed, Mar 27, 2019 at 12:28 PM
Subject: OPR-H355-KR-18 NCEI Sound Speed Data
To: NODC.Submissions <NODC.submissions@noaa.gov>
CC: Jacklyn James - NOAA Federal <jacklyn.c.james@noaa.gov>, David Neff <david@etracinc.com>, Lisa Diamond <lisa@etracinc.com>

Please find attached the sound speed data for OPR-H355-KR-18 in NetCDF format.

Vessel info:

RV Benthos MMSI number: 338139713

R/V Taku MMSI number: 338207724

R/V Marcelle MMSI number: 367078110

--

Isadora Kratchman
Hydrographic Surveyor
Mobile: (301) 706-9246
www.etracinc.com

--

Isadora Kratchman
Hydrographic Surveyor
Mobile: (301) 706-9246
www.etracinc.com

APPROVAL PAGE

H13168

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
- GeoImage of survey products
- Backscatter mosaic

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