H12716

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

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: H12716

LOCALITY

State(s): Louisiana

General Locality: Barataria Bay to Southwest Pass

Sub-locality: 13 NM NW of Southwest Pass

2015

CHIEF OF PARTY
Dean Moyles

LIBRARY & ARCHIVES

Date:

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

REGISTRY NUMBER:

HYDROGRAPHIC TITLE SHEET

H12716

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):	**Louisiana**
General Locality:	**Barataria Bay to Southwest Pass**
Sub-Locality:	**13 NM NW of Southwest Pass**
Scale:	**40000**
Dates of Survey:	**05/17/2015 to 06/30/2015**
Instructions Dated:	**11/21/2014**
Project Number:	**OPR-K339-KR2-14**
Field Unit:	**Fugro Pelagos, Inc.**
Chief of Party:	**Dean Moyles**
Soundings by:	**Multibeam Echo Sounder**
Imagery by:	**Multibeam Echo Sounder Backscatter**
Verification by:	**Pacific Hydrographic Branch**
Soundings Acquired in:	**meters at Mean Lower Low Water**

Remarks:

The purpose of this survey is to provide contemporary surveys to update National Ocean Service (NOS) nautical charts. All separates are filed with the hydrographic data. Any revisions to the Descriptive Report (DR) generated during office processing are shown in bold red italic text. The processing branch maintains the DR as a field unit product, therefore, all information and recommendations within the body of the DR are considered preliminary unless otherwise noted. The final disposition of surveyed features is represented in the OCS nautical chart update products. All pertinent records for this survey, including the DR, are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via https://www.ncei.noaa.gov/.

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Descriptive Report to Accompany Survey H12716

Project: OPR-K339-KR2-14

Locality: Barataria Bay to Southwest Pass

Sublocality: 13 NM NW of Southwest Pass

Scale: 1:40000

May 2015 - June 2015

Fugro Pelagos, Inc.

Chief of Party: Dean Moyles

A. Area Surveyed

H12716 is referred to as Priority 3 "13 NM NW of Southwest Pass" within the Project Instructions.

A.1 Survey Limits

Data were acquired within the following survey limits:

Northwest Limit	Southeast Limit
29° 9' 14.4" N 89° 42' 32.4" E	28° 59' 24" N 89° 32' 6" E

Table 1: Survey Limits

Survey Limits were acquired in accordance with the requirements in the Project Instructions and the HSSD.

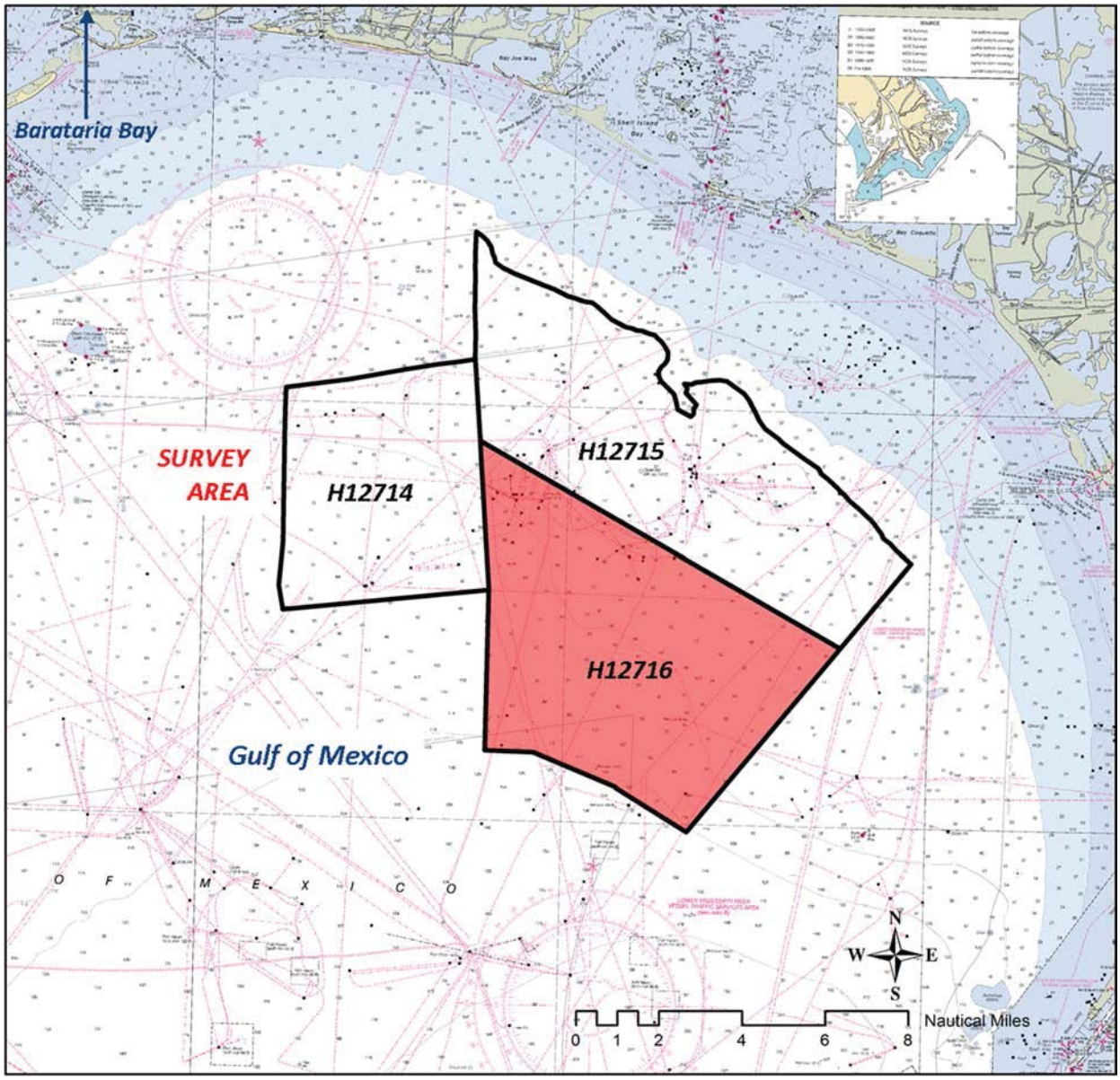


Figure 1: Overview of Project OPR-K339-KR2-14

A.2 Survey Purpose

The purpose of this survey is to update existing NOS nautical charts in a high commercial traffic area. This area is within an area of very active coastal restoration efforts with the BP Deep Water Horizon RESTORE program as well as other restoration programs. Large amounts of dredging are seen in this area in addition to oil and gas navigation and production activities and the large population of commercial fishing and trawling seen in this area. A newer consideration is the recreational and sport boating and imaging of near shore fisheries habitat which is increasing in activity and in scientific studies of the area. This project will cover approximately 113 square nautical miles of which, 68 are "Critical" and 40 are “Priority 1” survey areas as

designated in the NOAA Hydrographic Survey Priorities, 2012 edition. The project area is located in the Gulf of Mexico near Southwest Pass, LA & Barataria Bay, LA.

A.3 Survey Quality

The entire survey is adequate to supersede previous data.

A.4 Survey Coverage

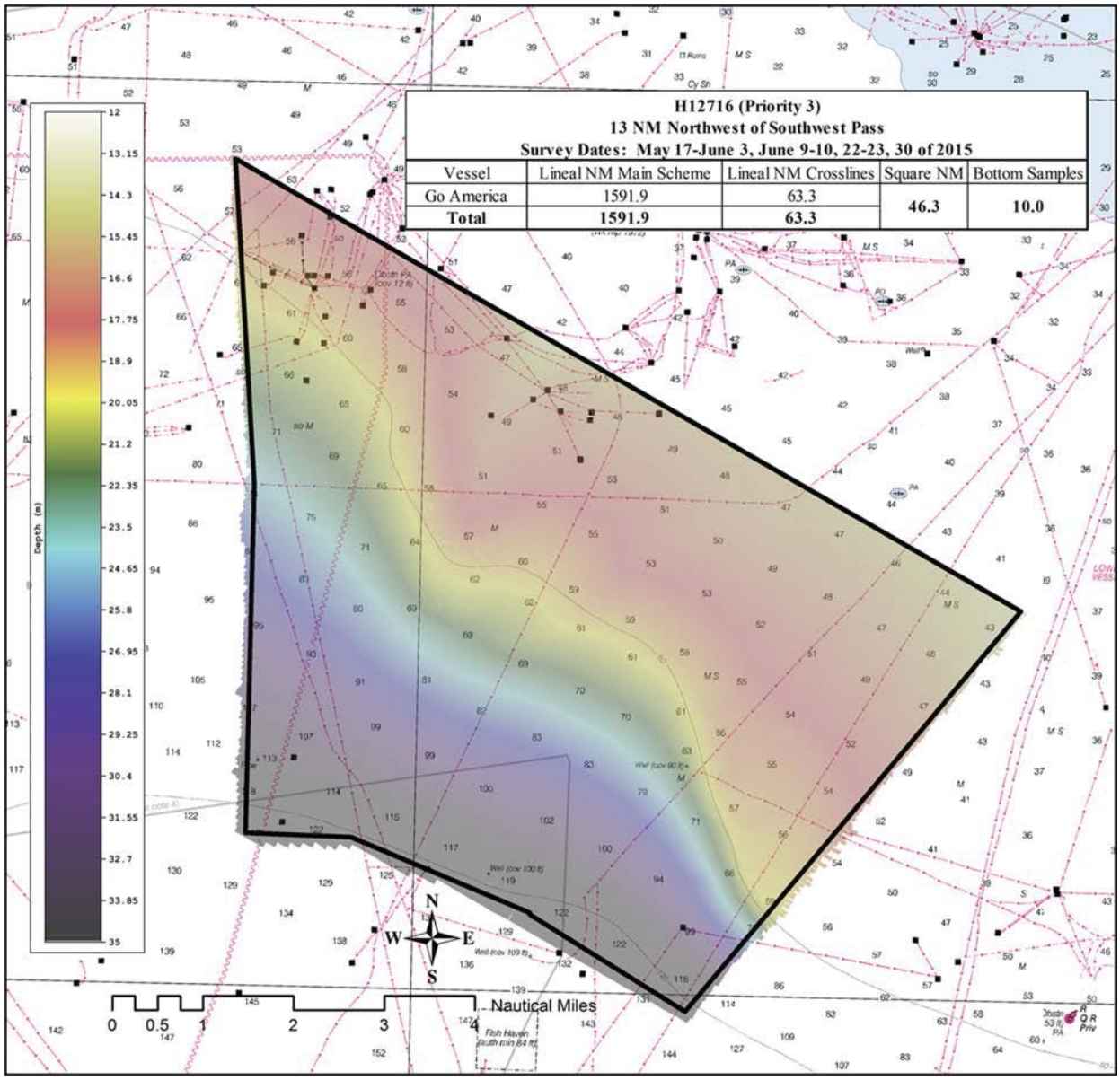


Figure 2: H12716 Survey Coverage

Survey Coverage was in accordance with the requirements in the Project Instructions and the HSSD. It should be noted that data holidays are present around existing platforms and are due to vessel maneuvering and/or removal of the platform legs from the data set.

A.5 Survey Statistics

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

	HULL ID	*Go America*	*Total*
LNM	**SBES Mainscheme**	0	0
	MBES Mainscheme	1591.9	1591.9
	Lidar Mainscheme	0	0
	SSS Mainscheme	0	0
	SBES/SSS Mainscheme	0	0
	MBES/SSS Mainscheme	0	0
	SBES/MBES Crosslines	63.3	63.3
	Lidar Crosslines	0	0
Number of Bottom Samples			10
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			46.3

Table 2: Hydrographic Survey Statistics

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

Survey Dates	Day of the Year
05/17/2015	137
05/18/2015	138
05/19/2015	139
05/20/2015	140
05/21/2015	141
05/22/2015	142
05/23/2015	143
05/24/2015	144
05/25/2015	145
05/26/2015	146
05/27/2015	147
05/28/2015	148
05/29/2015	149
05/30/2015	150
05/31/2015	151
06/01/2015	152
06/02/2015	153
06/03/2015	154
06/09/2015	160
06/10/2015	161
06/22/2015	173
06/23/2015	174
06/30/2015	181

Table 3: Dates of Hydrography

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, and any deviations from the DAPR are discussed in the following sections.

B.1.1 Vessels

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

Hull ID	***1120138***
LOA	150 feet
Draft	10 feet

Table 4: Vessels Used

The GoAmerica acquired all sounding data for H12716.

Note: The Geodetic Surveyor (556510) was utilized November 27, 2014 through December 11, 2014 and February 23, 2015 through February 24, 2015. Due to scheduling conflicts and engine issues, the Geodetic Surveyor was demobilized in May 2015. The equipment and a work container were then mobilized on the Go America (1120138) and work commenced May 17, 2015.

B.1.2 Equipment

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

Manufacturer	**Model**	**Type**
Applanix POS M/V	V4	Positioning and Attitude System
Applied Micro-Systems	SV&P	Sound Speed System
OceanScience	UCTD	Conductivity, Temperature and Depth Sensor
Reson	7125	MBES
Reson	SVP70	Sound Speed System

Table 5: Major Systems Used

WaterLOG H3611 (Radar Water Level Sensors) were installed on the port and starboard gunwales of the Geodetic Surveyor and Go America to obtain a more precise static draft measurement. Samples were taken over a 10 minute period and averaged to determine the vessel's draft. Traditional static draft measurement techniques were also employed as a substitute for the WaterLOG H3611 measurements when required.

It should be noted that the vessel was equipped with dual Reson 7125 sonars, which were operated in the full rate dual head (FRDH) mode in the Reson topside.

B.2 Quality Control

B.2.1 Crosslines

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

Crosslines were planned and well distributed throughout the survey to ensure adequate quality control. Total crossline length surveyed was 63.3 nautical miles or 4.0 percent of the total mainscheme line length. Each crossline was compared to the entire mainscheme line plan through a 0.5-meter CUBE surface using the CARIS HIPS QC report routine. Additionally, a Difference Surface was generated using the CARIS HIPS Difference Surface function; comparing the depths from the 2-meter resolution BASE surface of H12716 mainscheme lines versus a 2-meter resolution BASE surface of H12716 Crosslines. Using the Compute Statistics function in CARIS, the difference surface yielded the following results: standard deviation of 0.09 meter, a mean difference of -0.02 meter, and divergences generally within 20 centimeters.

All of the QC Reports fall well within the required accuracy specifications.

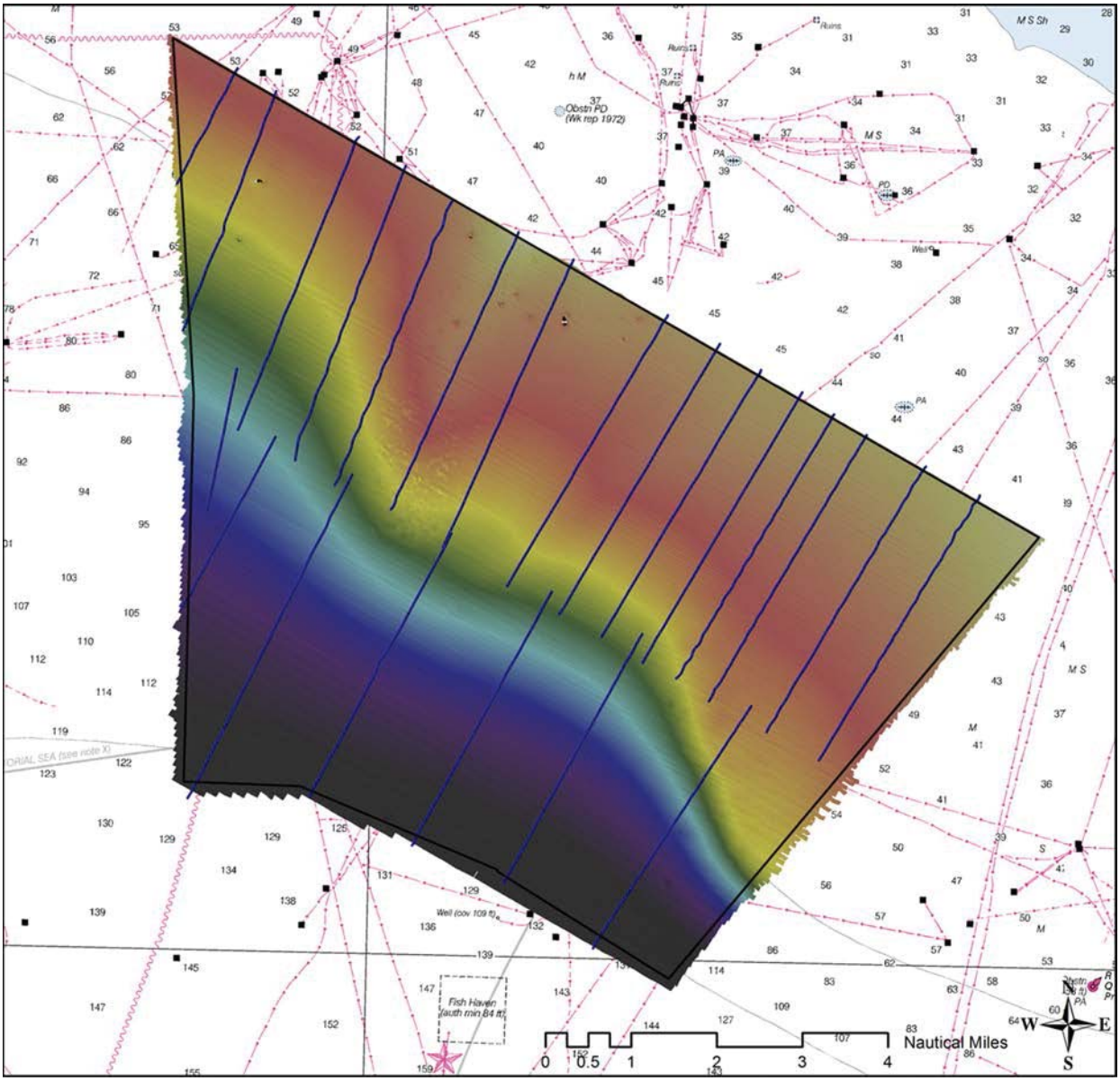


Figure 3: H12716 Crossline Overview

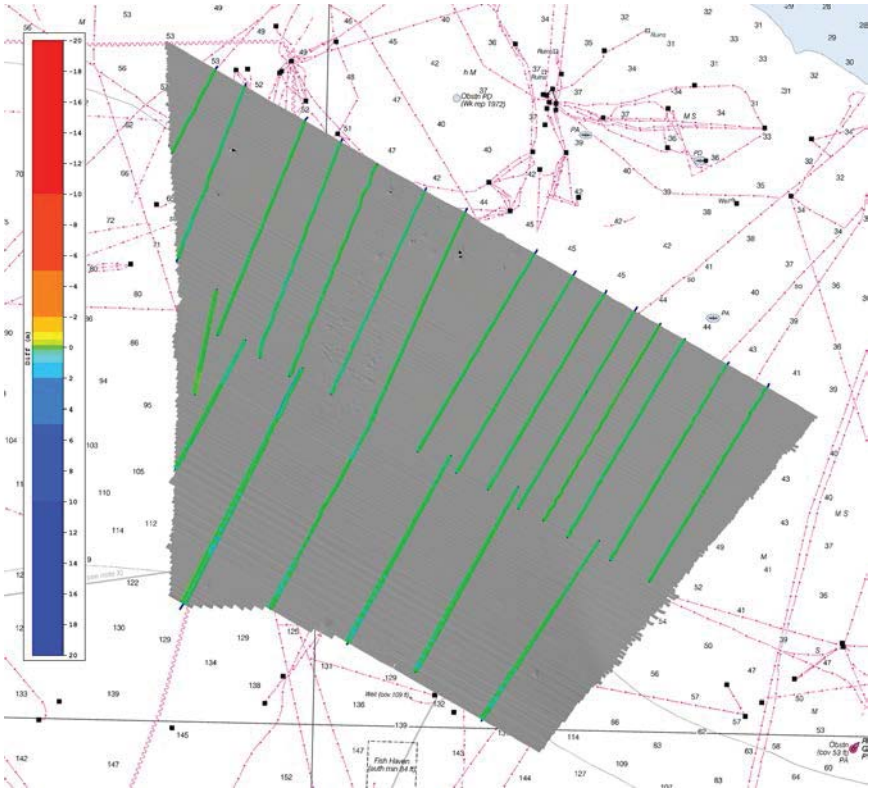


Figure 4: H12716 Crossline Difference Surface Overview

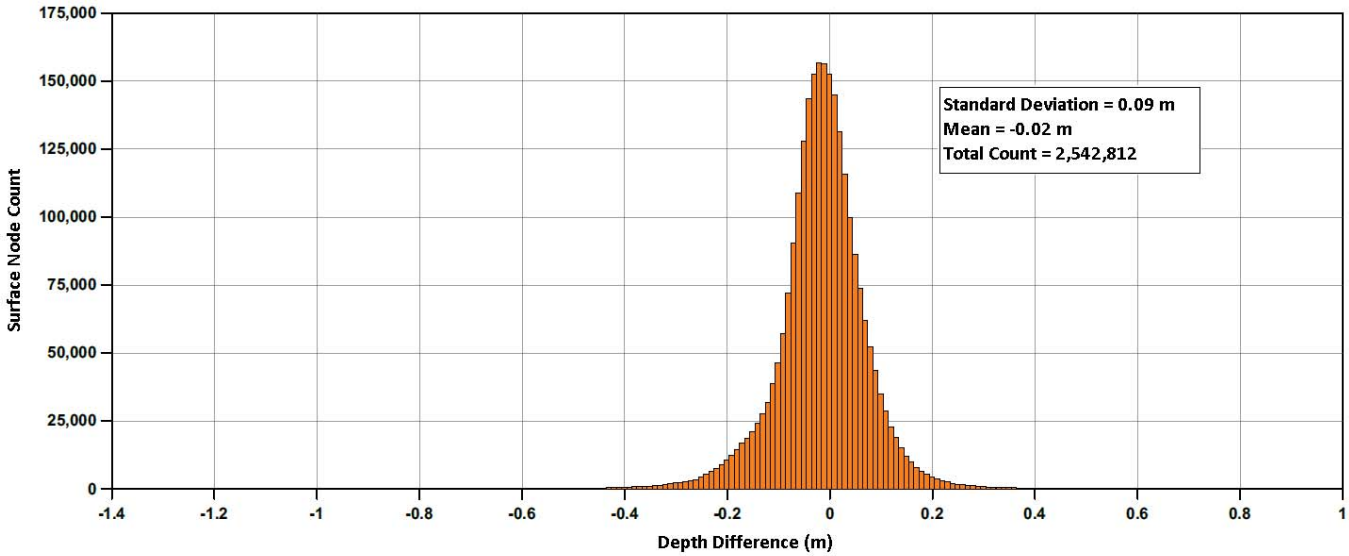


Figure 5: H12716 Crossline Difference Surface Histogram and Statistics

B.2.2 Uncertainty

The following survey specific parameters were used for this survey:

Measured	Zoning
0.1 meters	0.23 meters

Table 6: Survey Specific Tide TPU Values

Hull ID	Measured - CTD	Measured - MVP	Surface
Go America	6.634 meters/second	0 meters/second	0.25 meters/second

Table 7: Survey Specific Sound Speed TPU Values

The majority of the data fell within IHO Order 1a accuracy specifications. Nodes that exceeded the allowable specifications were located in areas where the outer beams of the coverage boundaries were the single contributor to the surface and a small portion attributable to rapid topographical changes such as scouring, exposed pipelines, etc.

Note: Total propagated uncertainty were derived from a combination of real time and fixed values for equipment, vessel characteristics, sound speed, and tide and tide zoning. The percentage of nodes within IHO Order 1a, were computed by CARIS using the Surface QC Report utility and are as follows:

Surface	Depth Range (m)	% of nodes within IHO Order 1a
H12716_MB_50cm_MLLW_Final	0 - 22	>99.99%
H12716_MB_2m_MLLW_Final	20 - 40	>99.99%

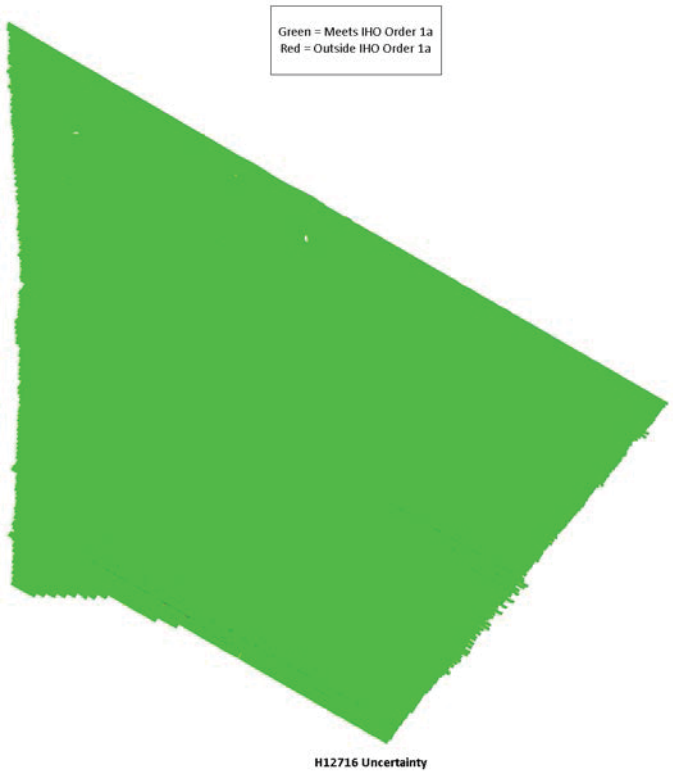


Figure 6: H12716 Uncertainty

B.2.3 Junctions

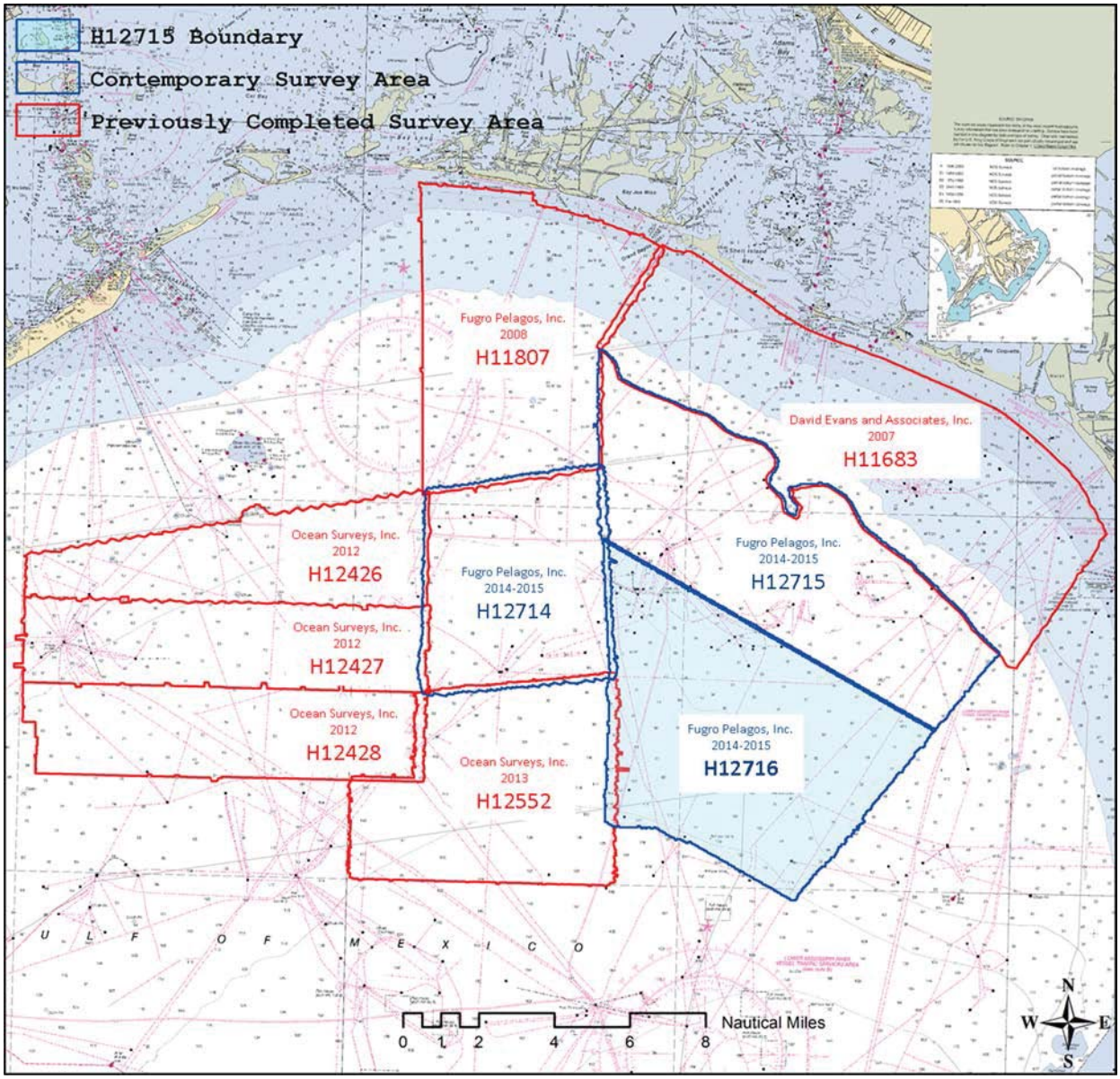


Figure 7: Overview of Survey Junctions for H12716

The following junctions were made with this survey:

Registry Number	Scale	Year	Field Unit	Relative Location
H12552	1:40000	2013	Ocean Surveys, Inc.	S
H12714	1:40000	2015	Fugro Pelagos, Inc.	W
H12715	1:40000	2015	Fugro Pelagos, Inc.	N

Table 8: Junctioning Surveys

H12552

The conformity between H12716 and the junction survey H12552 was inspected during processing, using CARIS HIPS' Subset Editor routine and finalized BASE Surfaces. A Difference Surface was generated using the CARIS HIPS Difference Surface function; comparing the depths from the H12716 (2-meter resolution) BASE surface and the H12552 survey. Using the Compute Statistics function in CARIS, the difference surface yielded the following results: standard deviation of 0.09 meter, a mean difference of -0.02 meter, and divergences generally within 20 centimeters. The surveys are in agreement along their common borders and well within the total allowable vertical uncertainty and IHO Order 1a allowable error. The majority of difference between the two surveys can be attributed to sound speed and tide error with a small portion of difference attributable to error in vessel offsets.

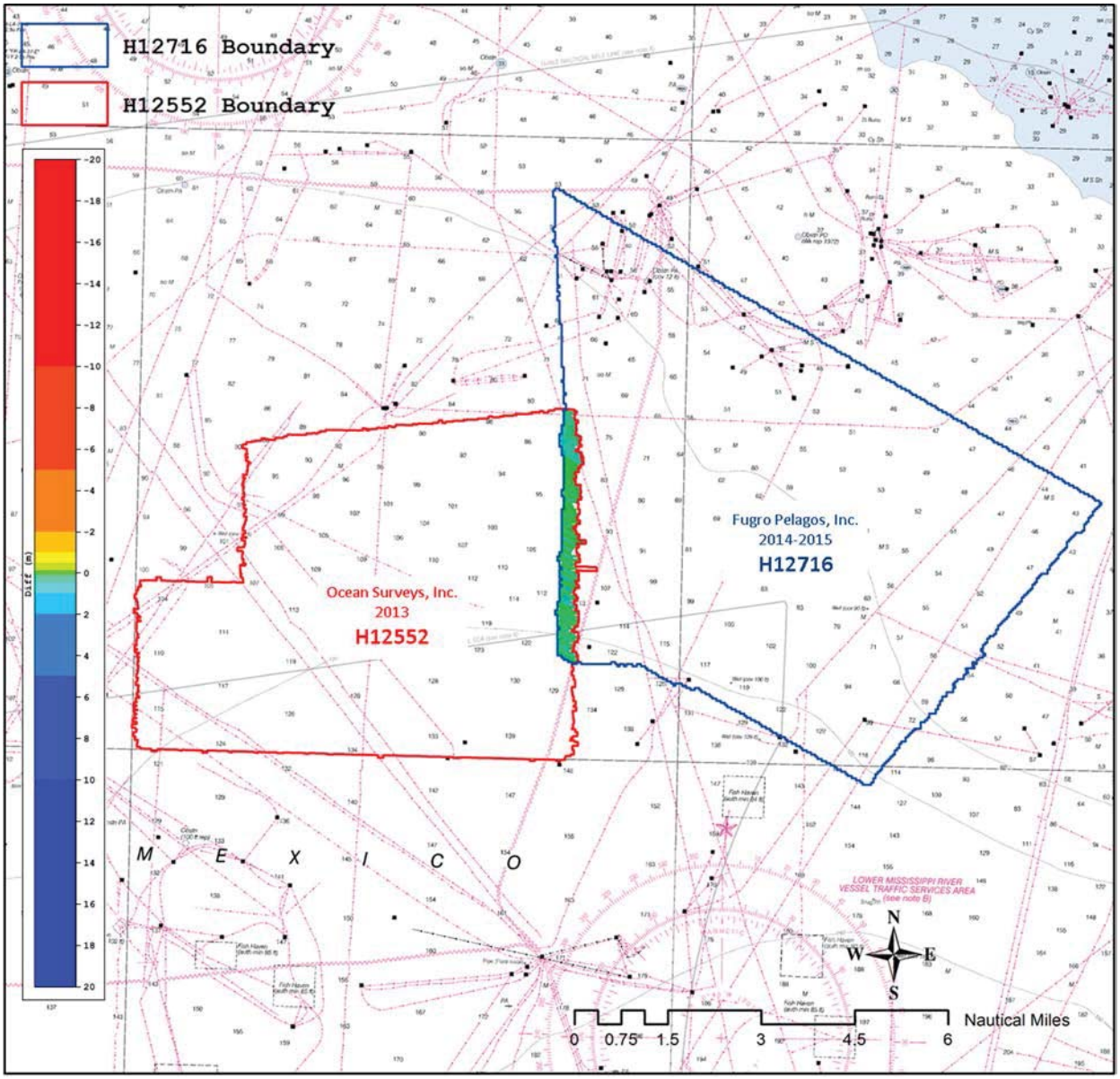


Figure 8: Junction between Survey H12552 and H12716

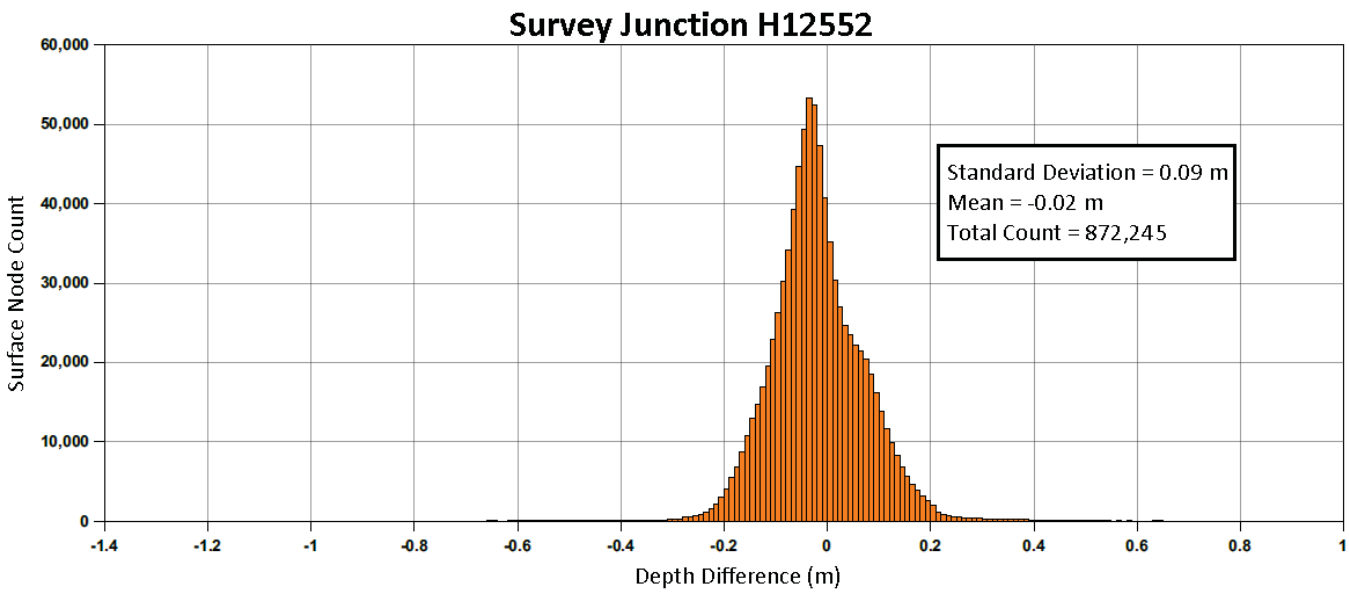


Figure 9: Stats comparing Survey H12552 and H12716

H12714

The conformity between H12716 and the junction survey H12714 was inspected during processing, using CARIS HIPS' Subset Editor routine and finalized BASE Surfaces. A Difference Surface was generated using the CARIS HIPS Difference Surface function; comparing the depths from the H12716 (2-meter resolution) BASE surface and the H12714 survey. Using the Compute Statistics function in CARIS, the difference surface yielded the following results: standard deviation of 0.07 meter, a mean difference of -0.07 meter, and divergences generally within 30 centimeters. The surveys are in agreement along their common borders and well within the total allowable vertical uncertainty and IHO Order 1a allowable error. The majority of difference between the two surveys can be attributed to sound speed and tide error with a small portion of difference attributable to error in vessel offsets.

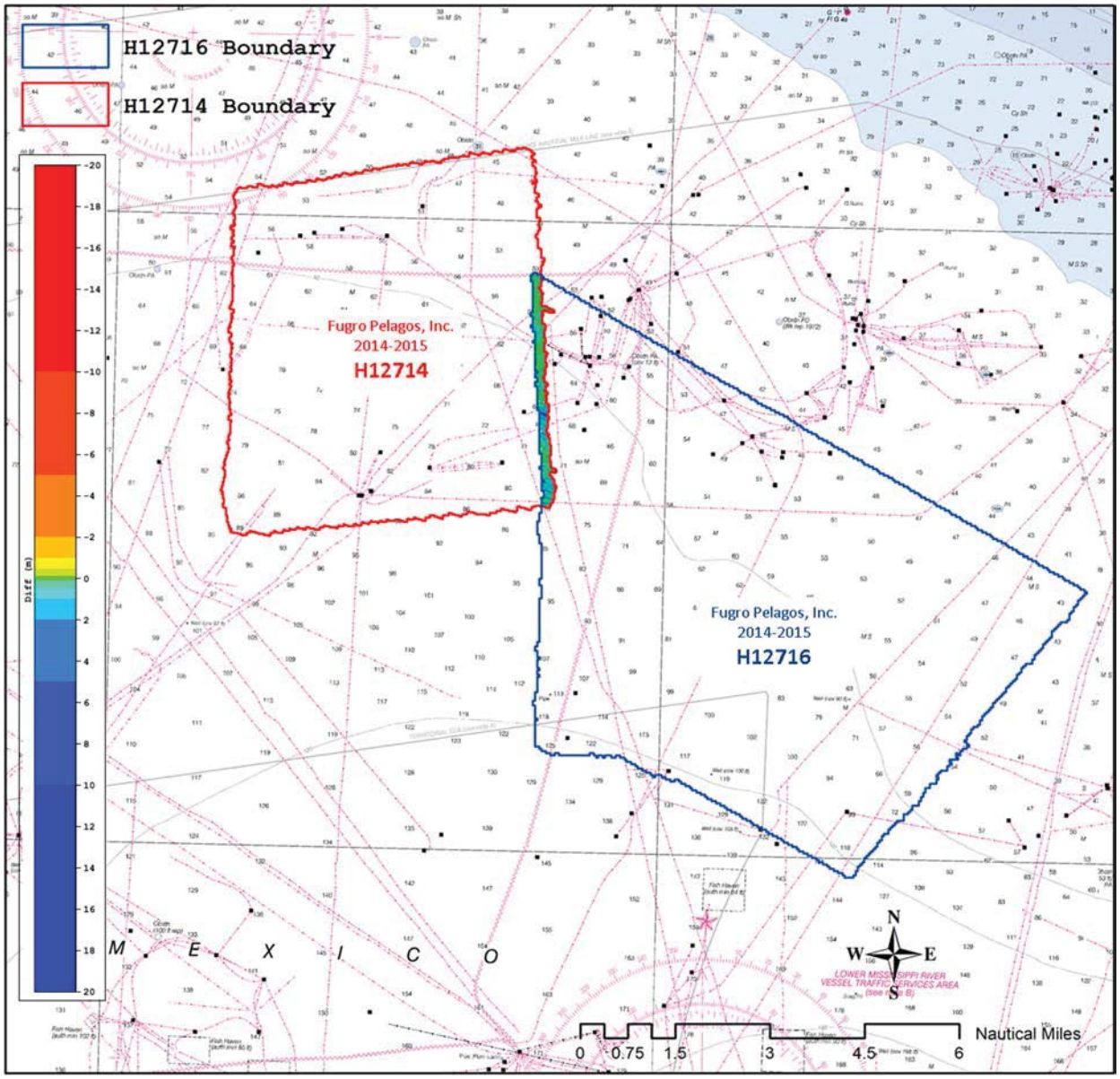


Figure 10: Junction between Survey H12714 and H12716

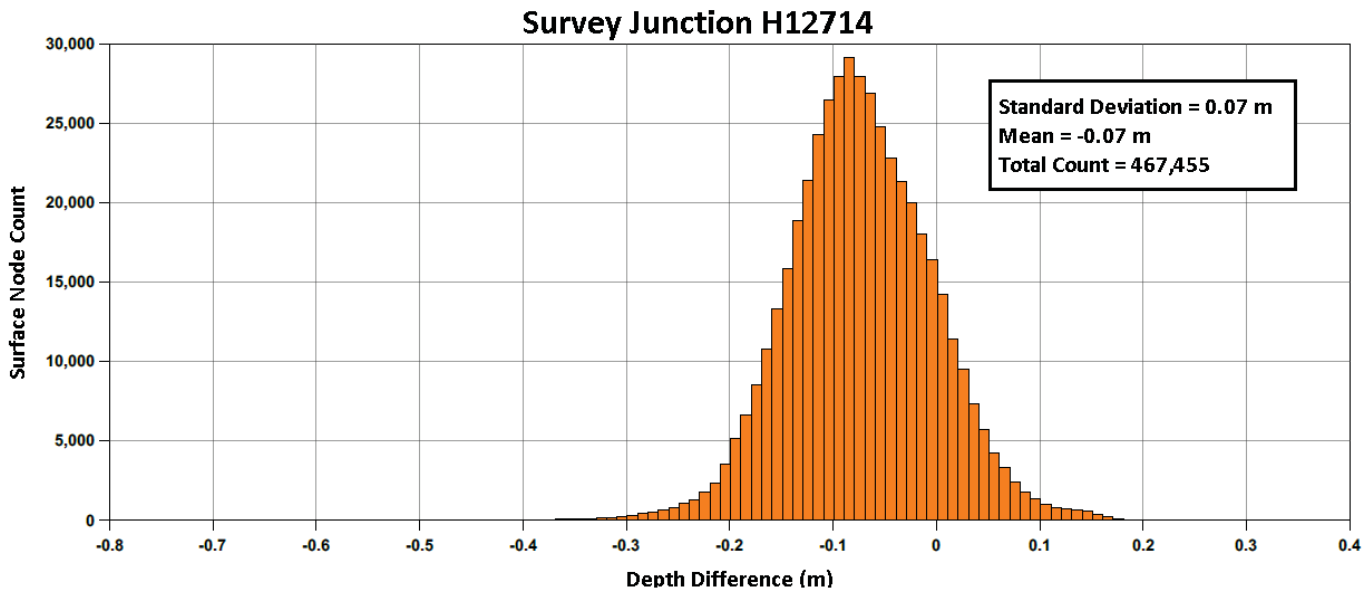


Figure 11: Stats comparing Survey H12714 and H12716

H12715

The conformity between H12716 and the junction survey H12715 was inspected during processing, using CARIS HIPS' Subset Editor routine and finalized BASE Surfaces. A Difference Surface was generated using the CARIS HIPS Difference Surface function; comparing the depths from the H12716 (2-meter resolution) BASE surface and the H12715 survey. Using the Compute Statistics function in CARIS, the difference surface yielded the following results: standard deviation of 0.06 meter, a mean difference of -0.11 meter, and divergences generally within 25 centimeters. The surveys are in agreement along their common borders and well within the total allowable vertical uncertainty and IHO Order 1a allowable error. The majority of difference between the two surveys can be attributed to sound speed and tide error with a small portion of difference attributable to error in vessel offsets.

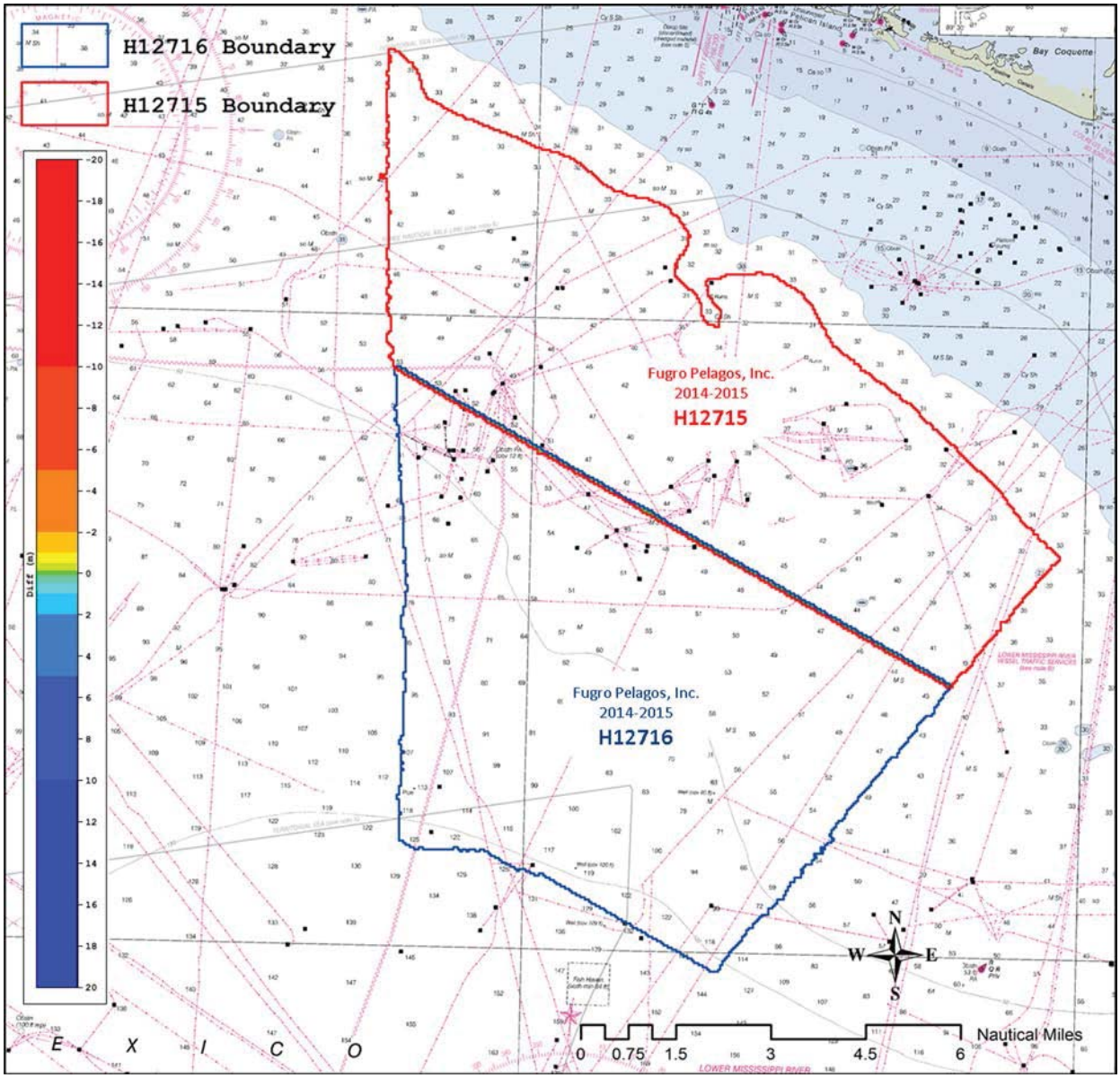


Figure 12: Junction between Survey H12715 and H12716

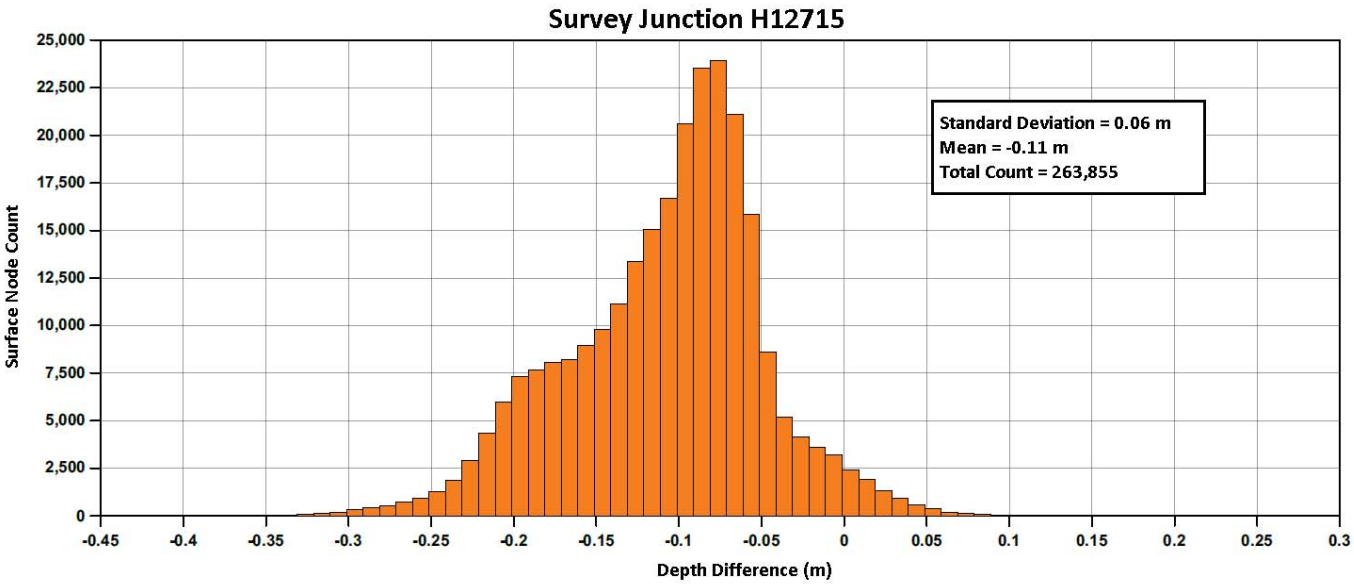


Figure 13: Stats comparing Survey H12715 and H12716

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

Sound Speed Refraction Errors

A general downward and/or upward cupping is noticeable in the across-track sounding profiles for certain areas. The Sound speed refraction errors were seen in the outer beams on the majority of survey lines conducted and were on the order of 0.1 to 0.2 meter. These errors are a result of the Survey area's proximity to the Mississippi River, which not only carries sediment but also causes a change in the water surfaces temperature and salinity.

The sound speed profiles conducted throughout the project had an increased inconsistency throughout the water column; this was much more evident at the surface or near the face of the sonars. In order to mitigate these sound speed errors, the frequency of sound speed casts were increased and the line spacing reduced. Data were examined (and filtered) in CARIS HIPS' Subset Editor routine to ensure the CUBE surface met IHO Order 1a specifications.

Figure 14: Satellite image capturing river outflow (complements of NASA)

Figure 15: Photo captured during survey operations of the Brakish Surface Layer

Marine Life

There was an extremely high presence of marine life such as shrimp, dolphins, schools of fish, etc. in the survey area. This resulted in not only numerous in-fills and re-runs, but increased time spent on manually rejecting the erroneous data in CARIS HIPS and SIPS.

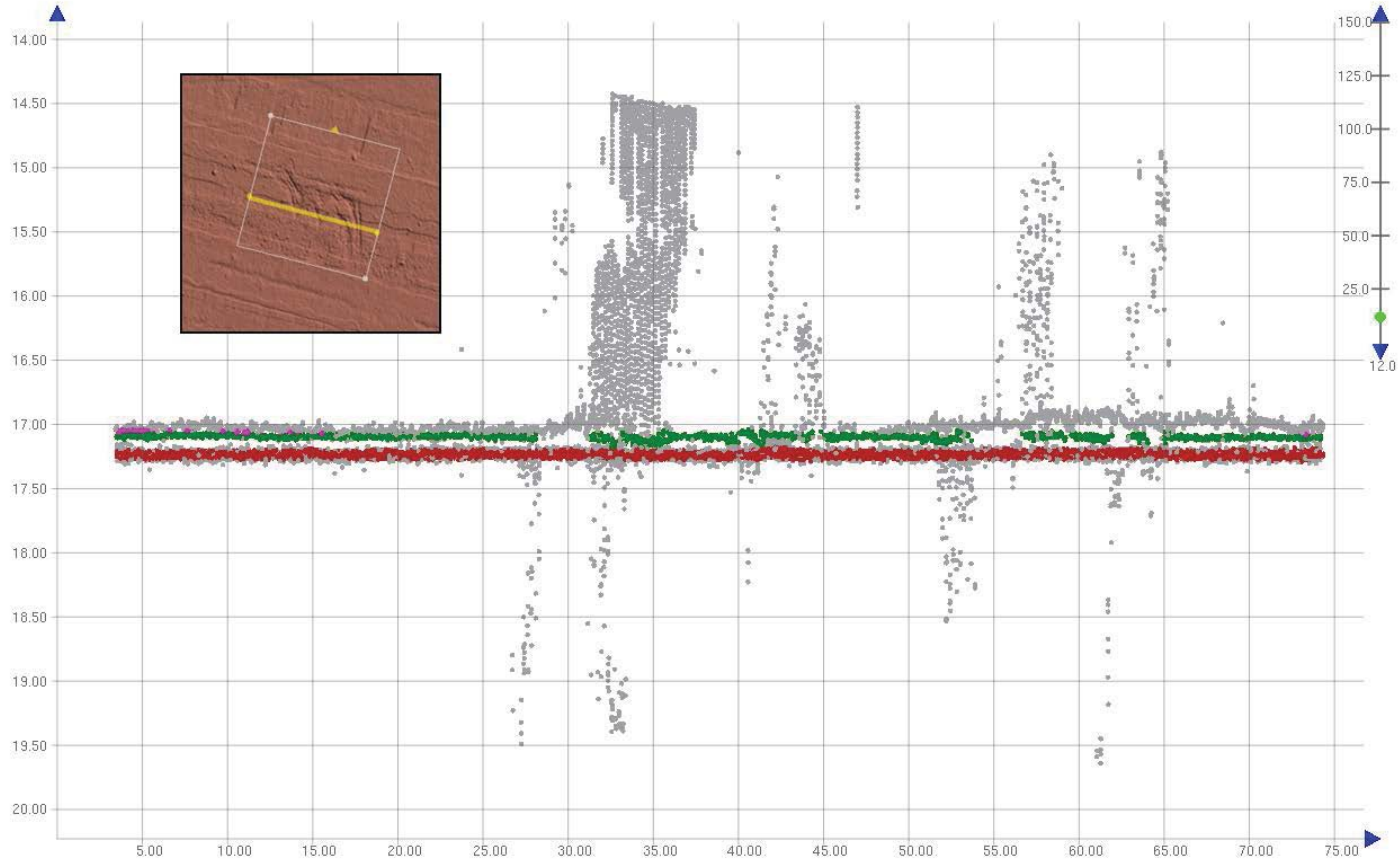


Figure 16: Subset Showing rejected soundings from Dolphin Interference

Natural Organic Seeps

Shallow (0-100ft BML) gas saturated sediments are normal bottom attributes in the GoM. The gases within shallow sediments are typically in a state of low pressure equilibrium, unless active percolation into the water column can be observed (common in remote sensing data). Active venting into the water column is fairly common (though it is typically episodic, not continuous), and is a function of sedimentary gas concentration, overburden, sediment shear strength, water pressure/depth, and other variables. Natural seeps can be either biogenic or thermogenic in origin. Thermogenic gas typically originates in deep source rocks and migrates to the surface via geologic conduits such as faults or gas chimneys. Biogenic gas is generally sourced from (geologically recent) decaying biomass that is trapped in near-surface sediments. Biogenic gas is more common in shallow (shelf) water depths of the GoM that have been subaerially exposed in the recent past. In deeper waters (300+ meters), chemosynthetic communities can use natural methane seeps to produce energy.

High frequency energy tends to be attenuated when it passes through gas charged sediments. Sedimentary methane concentrations in excess of 30 ml/liter are sufficient to attenuate the 3.5 kHz seismic signals due to bubble phase scattering and absorption of the high frequency sound waves. Gas saturation in sediments tends to lower vane shear strength.

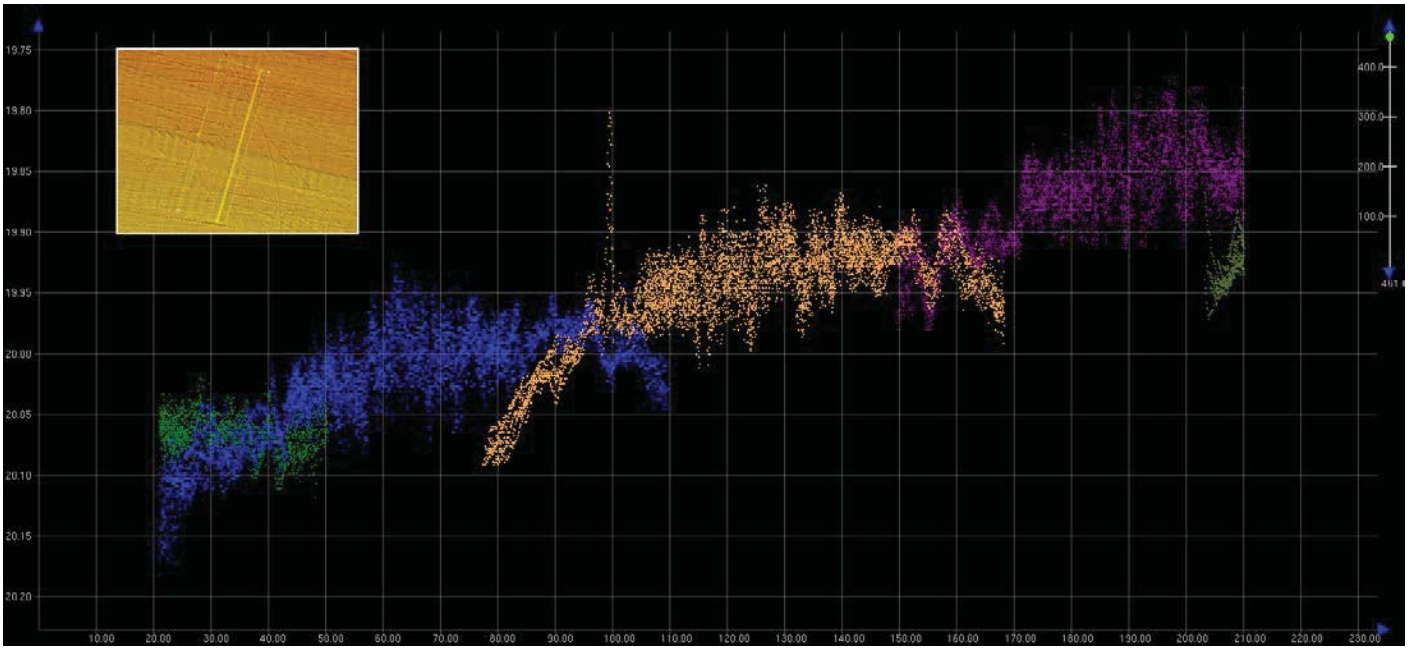


Figure 17: Surface and Subset of area affected by Natural Organic Seeps

Tide and Zoning Errors

Small tide busts, on the order of 0.10 to 0.25 meter were noticed between survey lines acquired in the same locality but on different days. The graphic represents mainscheme lines that were conducted on Julian Day 148 and infill lines conducted on Julian Day 173, in which you can see a rough 0.15 to 0.25 meter separation between the data set. This divergence can be attributed to the overall uncertainty in the gauge and zoning data, in addition to weather induced tide errors, which are mentioned below.

All data fell within IHO Order 1a accuracy specifications.

Note: GPS Heights were applied to the data set and a GPS Tide Computed (referenced to the NAD83 ellipsoid), but this was for troubleshooting purposes only, mostly to verify tide bust. Final tide corrections for this survey were traditional tides and zoning.

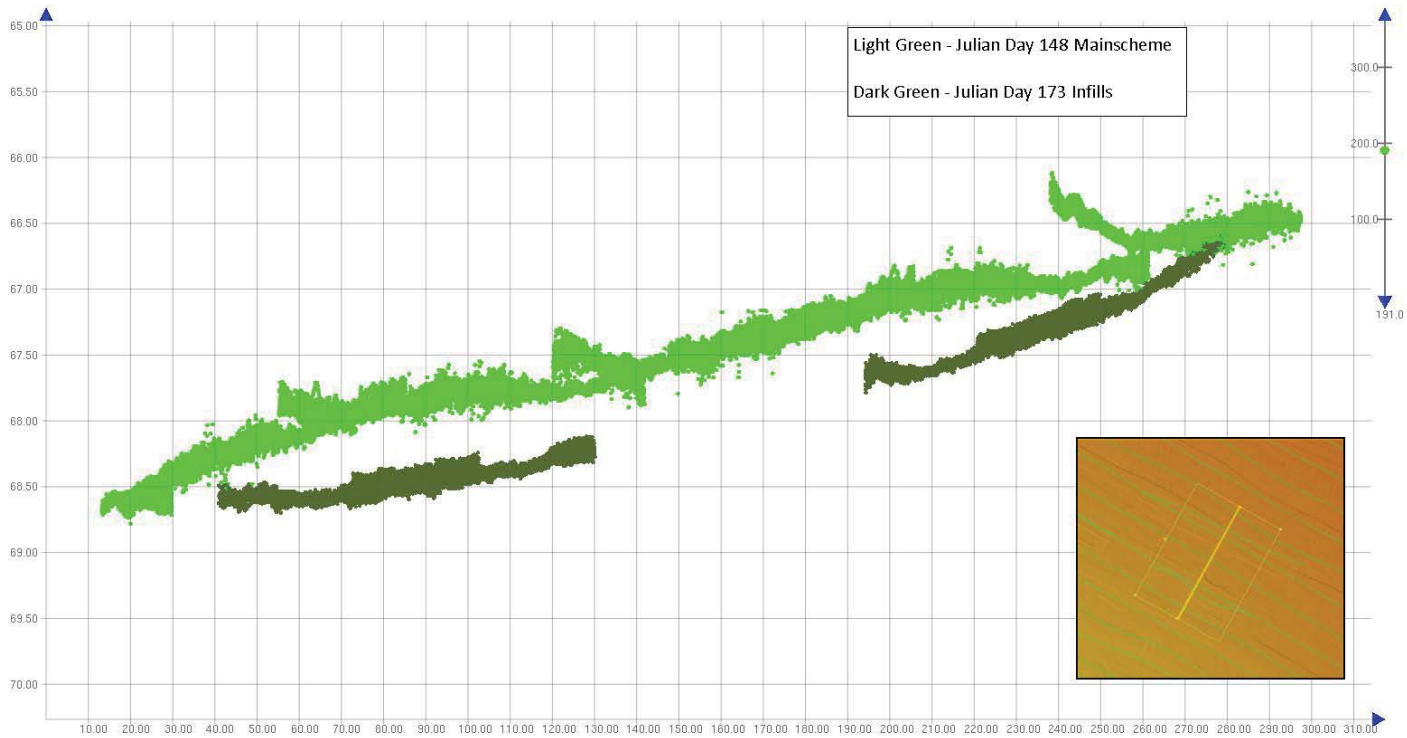


Figure 18: Subset and Surface of area affected by Tide and Zoning Errors

Weather Induced Today Error

It was also normal to see weather induced tide errors on the order of 0.10 to 0.20 meter, during weather systems and isolated storms. From the graphic you can see on May 26, 2015 and May 27, 2015 the effects of these thunder storms. During these isolated storms, it was normal for the winds to increase to 20 or 25 knots thus increasing the sea state to three to four feet, which in turn had a direct effect on the tide measurement.

All data fell within IHO Order 1a accuracy specifications.

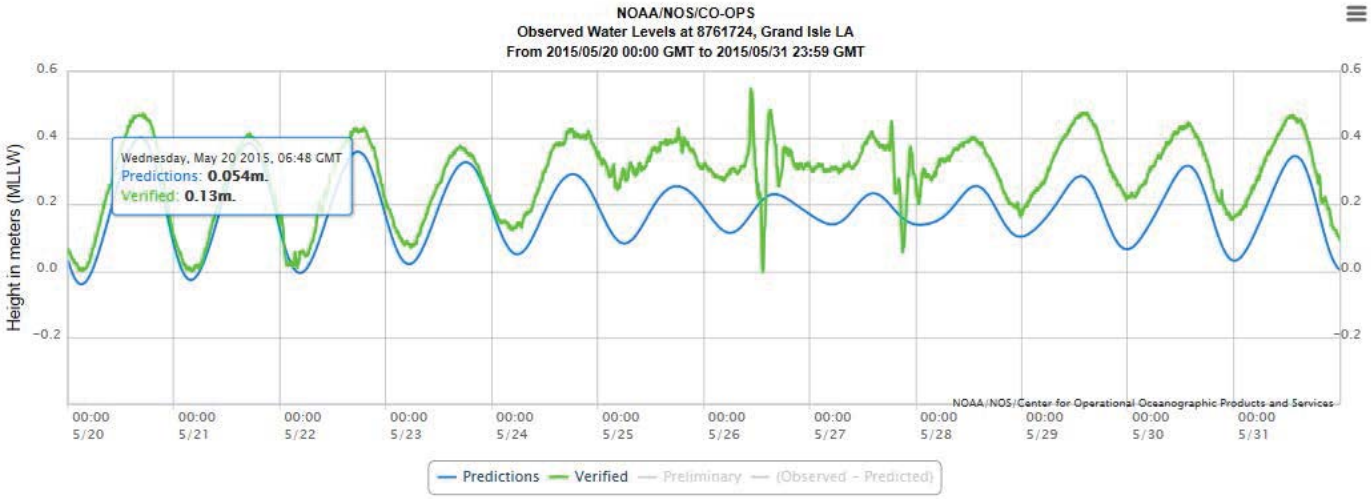


Figure 19: Graph of weather induced Tidal Error

Roll Induced Heave

Small heave artifacts on the order of 0.05 to 0.10 meter are noticeable in the final CUBE surface. All survey lines had the true heave applied, but since this was an over the side pole mount, during times of increased sea state we would have some roll induced into the heave calculation. To remove this error, offsets for the reference to center of rotation (CoR) lever arm in the POS MV were used to calculate the total heave as the sum of the “AC Coupled” (and zero mean) heave at the vessel CoR plus any roll or pitch induced “DC Coupled” remote heave. Since this did not improve the results, these offsets were removed.

All data fell within IHO Order 1a accuracy specifications

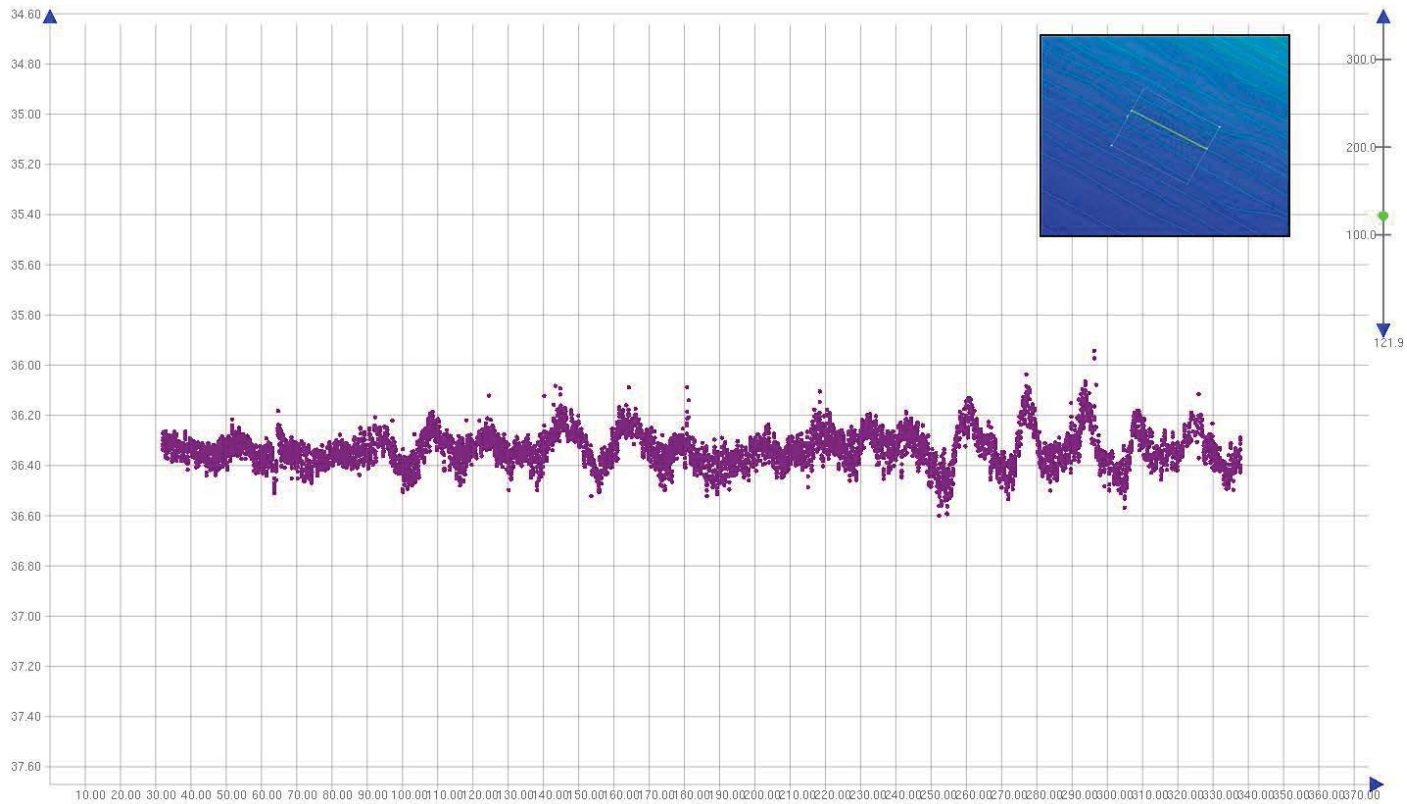


Figure 20: Exaggerated Surface and Subset of Roll Induced Heave

Overview of Data Quality

Sonar settings (power, transmit pulse, and gain) were optimized for data quality and to meet the HSSD requirements. The sonars (rotated ~15 degrees) were configured to operate in the full rate dual head mode using the 400 kHz frequency using a low transmit pulse and low gain. Due to the factors mentioned above along with limiting the outer beams of the sonars and the soft muddy bottom, different filtering techniques were used to reject fliers and noise in the data set. For these reasons when the rejected data are displayed there is a high volume of rejected soundings in the water column. Refer to the Data Acquisition and Processing Report for further information.

B.2.7 Sound Speed Methods

Sound Speed Cast Frequency: Sound speed measurements were conducted and applied as discussed in the Corrections to Echo Soundings section of the DAPR.

B.2.8 Coverage Equipment and Methods

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

B.2.9 Data Density

The NOS Hydrographic Surveys Specifications and Deliverables, April 2014, requires 95% of all nodes to be populated with at least five soundings. Survey H12716 met these project specifications.

Density requirements for H12716 were achieved with at least 99.98% of finalized surface nodes containing five or more soundings. Nodes that failed to meet the allowable specifications were located in areas containing gas saturated sediments, which resulted in natural seeps that could be either biogenic or thermogenic in origin. Other contributors are areas where the outer beams of the coverage boundaries were the single contributor to the surface.

CUBE Surface Density Report

Surface	Depth Range (m)	% of nodes within IHO Order 1a
H12716_MB_50cm_MLLW_Final	0 - 22	99.99%
H12716_MB_2m_MLLW_Final	20 - 40	99.98%

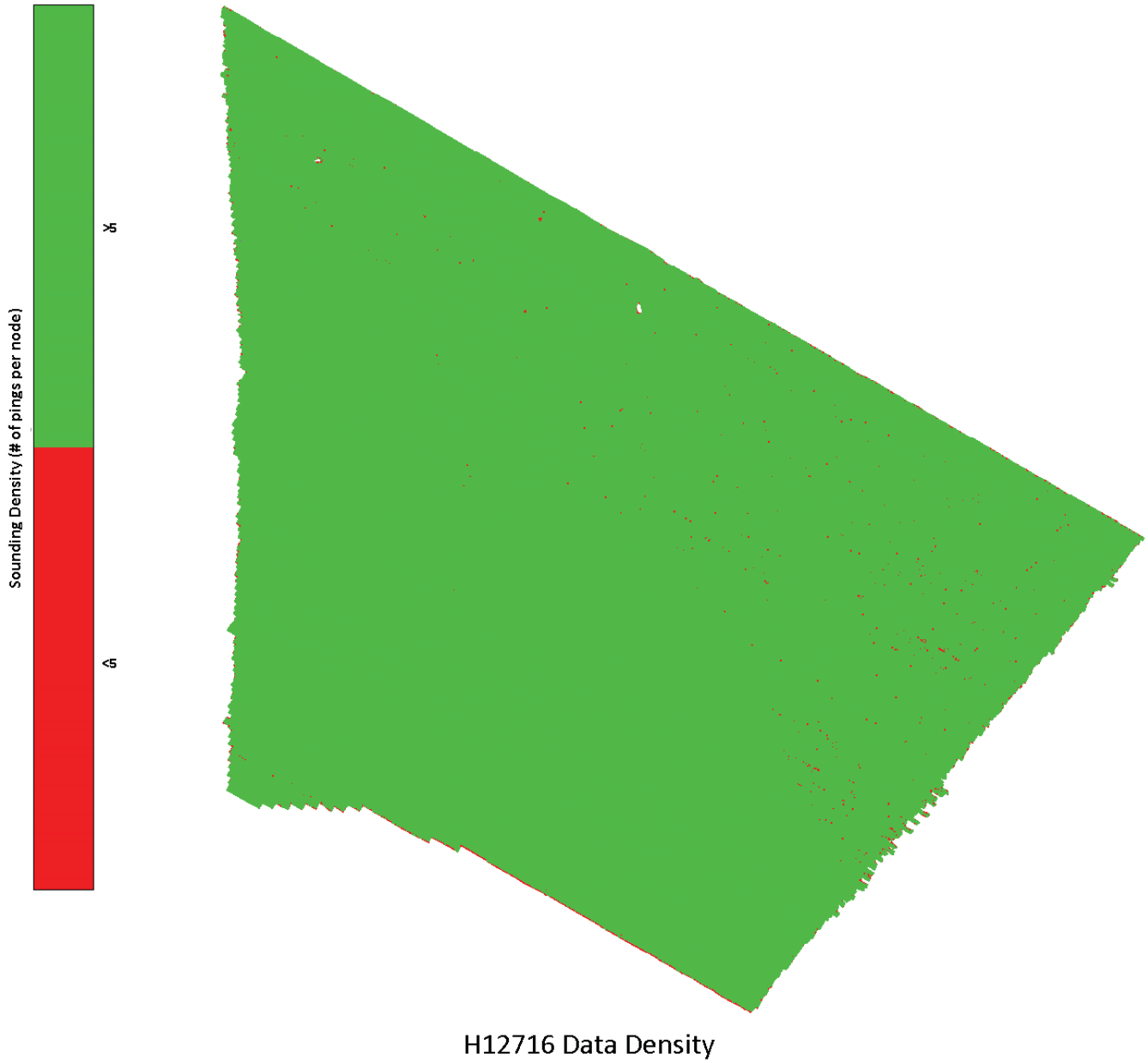


Figure 21: H12716 Data Density

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

Towed Side Scan Sonar (SSS) operations were not required by this contract, but the backscatter and beam imagery snippet data from all multibeam systems were logged and are stored in the s7k files. All beam imagery snippet data was logged in the 7028 record of the s7k file for the project.

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: NOAA Extended Attributes Files V5_3_2

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
H12716_MB_50cm_MLLW	CUBE	0.5 meters	0 meters - 41.01 meters	NOAA_0.5m	Object Detection
H12716_MB_50cm_MLLW_Final	CUBE	0.5 meters	0 meters - 22 meters	NOAA_0.5m	Object Detection
H12716_MB_2m_MLLW	CUBE	2 meters	0 meters - 40.84 meters	NOAA_2m	Complete MBES
H12716_MB_2m_MLLW_Final	CUBE	2 meters	20 meters - 40.84 meters	NOAA_2m	Complete MBES

Table 9: Submitted Surfaces

The surfaces have been reviewed where noisy data, or 'fliers' are incorporated into the gridded solution causing the surface to be shoaler than the true seafloor. Where these spurious soundings cause the gridded surface to be shoaler than the reliably measured seabed by greater than the maximum allowable TVU at that depth, the noisy data have been rejected and the surface recomputed.

The NOAA CUBE parameters mandated in HSSD were used for the creation of all CUBE BASE surfaces in Survey H12716.

C. Vertical and Horizontal Control

Additional information discussing the vertical and horizontal control for this survey can be found in the accompanying HVCR.

C.1 Vertical Control

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

Standard Vertical Control Methods Used:

Discrete Zoning

The following National Water Level Observation Network (NWLON) stations served as datum control for this survey:

Station Name	Station ID
Grand Isle	8761724

Table 10: NWLON Tide Stations

File Name	Status
8761724.tid	Final Approved

Table 11: Water Level Files (.tid)

File Name	Status
K339KR22014CORP_Rev.zdf	Final

Table 12: Tide Correctors (.zdf or .tc)

On July 20, 2015, verified tidal data for OPR-K339-KR2-14 was acquired from CO-OPS through NOAA tides and currents website (http://tidesandcurrents.noaa.gov/). All sounding data was then re-merged using

CARIS HIPS and SIPS tide routine. Verified tidal data were used for all final CUBE Surfaces, soundings, and S-57 Feature files. It should be noted that, in addition to weather induced tidal errors as discussed in the Factors Affecting Soundings section, CO-OPS issued a revised zoning file (on December 5, 2014) that extended the limits of zone CGM370 in order to include the portion of the survey that extends past the existing boundary.

C.2 Horizontal Control

The horizontal datum for this project is NAD83.

The projection used for this project is UTM 16N.

The following PPK methods were used for horizontal control:

Single Base

For real-time corrections, the POS M/V was configured to accept Fugro's Marinestar corrections; Marinestar is a decimeter level, phase based service using satellite 'orbit and clock' data valid worldwide, based upon GPS L1 and L2 frequencies, it provides a horizontal accuracy of 10 cm and vertical accuracy of 15 cm. The unit output corrected positions at 1 Hz to the (POS MV) 320 v4 where it was integrated with inertial data, and a position for the top-center of the IMU generated. This position was logged concurrently with the bathymetry from WinFrog and the POS file using Fugro Pelagos PosMvLogger. It was later corrected for offsets to the multibeam echosounder (MBES) by CARIS HIPS in post-processing.

Final positioning was done using post-processed kinematic (PPK) methods. Applanix POSPac MMS v6.2 software was used in conjunction with the POS files and the Grand Isle (GRIS) CORS base station data to generate a higher accuracy position, which was applied in processing to replace the real-time position records.

The following CORS Stations were used for horizontal control:

HVCR Site ID	Base Station ID
Grande Isle	GRIS

Table 13: CORS Base Stations

D. Results and Recommendations

D.1 Chart Comparison

D.1.1 Raster Charts

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

Chart	Scale	Edition	Edition Date	LNM Date	NM Date
11358	1:80000	58	05/2014	06/24/2014	07/05/2014
11361	1:80000	77	05/2013	06/17/2014	07/05/2014

Table 14: Largest Scale Raster Charts

<u>11358</u>

A comparison was made between survey H12716 and Chart 11358 using a CARIS 50-centimeter Combined CUBE surface.

Chart information displayed is based on OPR-K339-KR2-14 Project Instructions, however the charts used for final comparison were downloaded on 06-25-2015.

Given that the survey area was ensonified with 100% multibeam coverage, discrepancies were discovered between the charted and surveyed depths.

Sounding agreement between surveyed soundings on sheet H12716 and spot soundings displayed on Raster chart 11358 showed a deepening trend between 1 and 6 feet. The largest divergence was on the order of 7 feet and observed more in the east of the survey area. The graphic shows that the 60-foot contour should be repositioned further inshore.

The Hydrographer recommends that soundings within the survey limits of H12716 supersede all prior survey and charted depths.

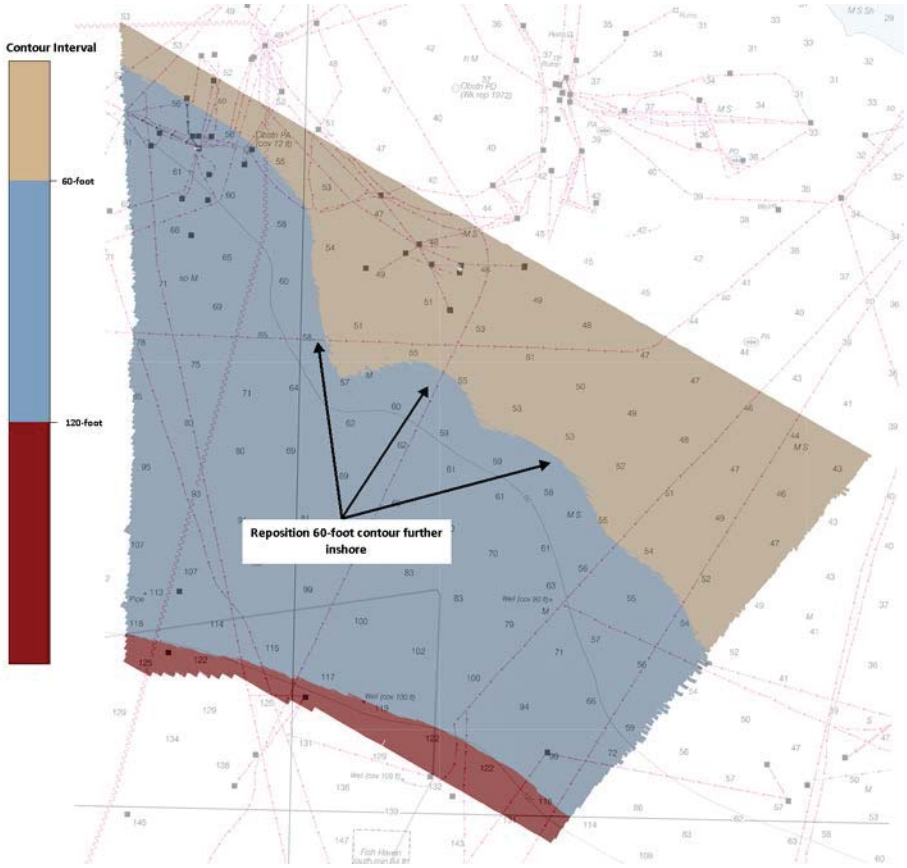


Figure 22: Chart comparison H12716 vs. 11358

<u>11361</u>

A comparison was made between survey H12716 and Chart 11361 using a CARIS 50-centimeter Combined CUBE surface.

Chart information displayed is based on OPR-K339-KR2-14 Project Instructions, however the charts used for final comparison were downloaded on 06-25-2015.

Given that the survey area was ensonified with 100% multibeam coverage, discrepancies were discovered between the charted and surveyed depths.

Sounding agreement between surveyed soundings on sheet H12716 and spot soundings displayed on Raster chart 11361 showed a deepening trend between 3 and 5 feet. The largest divergence was on the order of 5 feet and observed more in the northeast of the survey area.

The Hydrographer recommends that soundings within the survey limits of H12716 supersede all prior survey and charted depths.

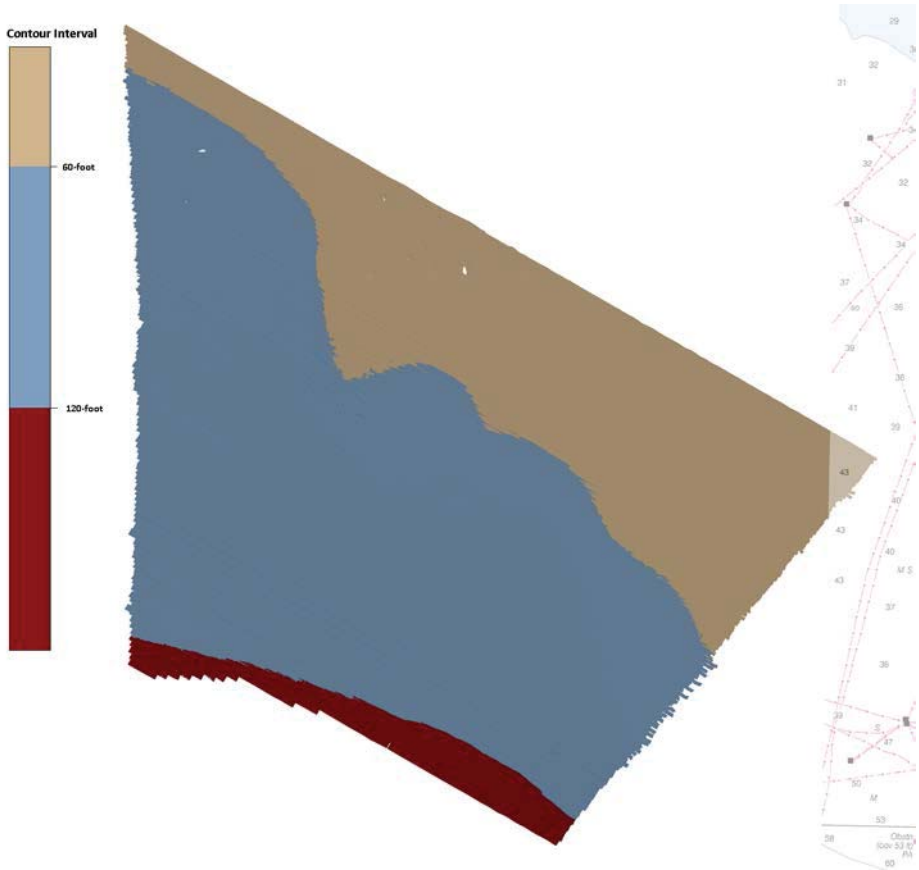


Figure 23: Chart comparison H12716 vs. 11361

D.1.2 Electronic Navigational Charts

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

ENC	Scale	Edition	Update Application Date	Issue Date	Preliminary?
US4LA32M	1:80000	31	10/04/2013	06/25/2014	NO

Table 15: Largest Scale ENCs

US4LA32M

ENC US4LA32M coincides with raster chart 11358, which covers Barataria Bay.

A comparison was made between survey H12716 and ENC US4LA32M using a CARIS 50-centimeter Combined CUBE surface.

Chart information displayed is based on OPR-K339-KR2-14 Project Instructions, however the charts used for final comparison were downloaded on 06-25-2015.

Given that the survey area was ensonified with 100% multibeam coverage, discrepancies were discovered between the charted and surveyed depths.

Sounding agreement between surveyed soundings on sheet H12716 and spot soundings displayed on ENC US4LA32M showed a deepening trend between 1 and 6 feet. The largest divergence was on the order of 21 feet and observed at a charted shoal in the southern region of the survey area. The graphic shows that the 60-foot contour should be repositioned further inshore.

The Hydrographer recommends that soundings within the survey limits of H12716 supersede all prior survey and charted depths.

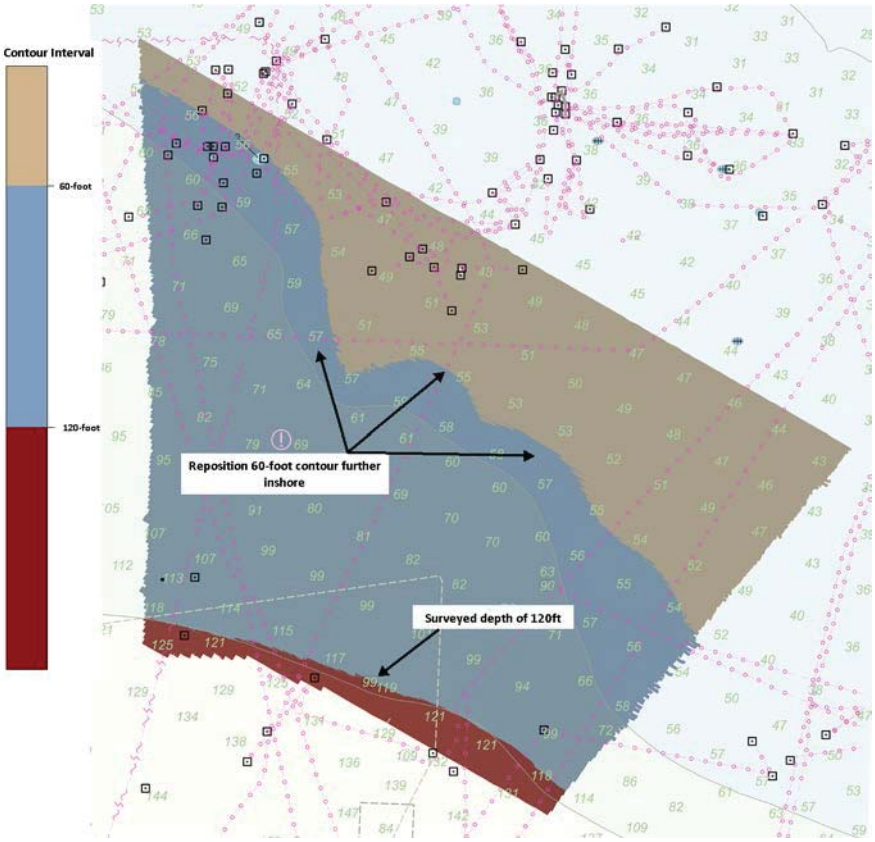


Figure 24: Chart comparison H12716 vs. US4LA32M

D.1.3 AWOIS Items

No AWOIS items exist for this survey.

D.1.4 Maritime Boundary Points

No maritime boundary exists for this survey.

D.1.5 Charted Features

The “Obstn PA (cov 12ft)” charted at 29-07-44N 089-40-46W on chart 11358 was not found during the H12716 survey. During field operations no Obstruction (wellhead) was present at this location, it should be noted that the area was ensonified with 200% MB coverage. From the MB surface you can see what looks to be a mattress or pad over the wellhead location, but nothing proud of the seafloor more than 0.80 meter. This item was assigned in the CSF; refer to the Field Features File for more information on the results and S57 encoding.

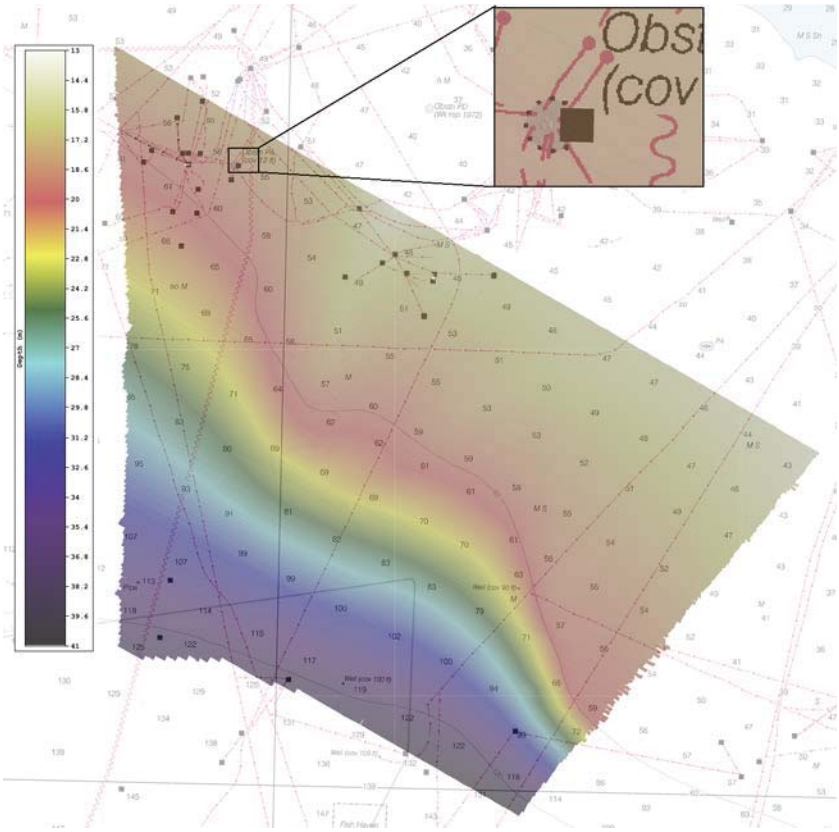


Figure 25: Charted Feature "Obstn PA (cov 12ft)"

D.1.6 Uncharted Features

No uncharted features exist for this survey.

D.1.7 Dangers to Navigation

The following DTON reports were submitted to the processing branch:

DTON Report Name	Date Submitted
H12716 DtoN #1 Exposed Pile Submission	2015-05-24

Table 16: DTON Reports

Danger to Navigation Reports are included in Appendix I of this report.

D.1.8 Shoal and Hazardous Features

No shoals or potentially hazardous features exist for this survey.

D.1.9 Channels

No channels exist for this survey. There are no designated anchorages, precautionary areas, safety fairways, traffic separation schemes, pilot boarding areas, or channel and range lines within the survey limits.

D.1.10 Bottom Samples

Samples were taken with a Van Veen grab sampler and positions were recorded with WinFrog Multibeam. Samples retrieved were analyzed and then encoded with the appropriate S-57 attributes. Positions and descriptions of bottom samples for survey H12716 are found in the “H12716_Field_Features_File.000” file.

It should be noted that SBDARE items in the composite source file were not assigned and were not investigated during field operations. Bottom samples were conducted in accordance with the HSSD Section 7.1 using the assigned locations, which were received on November 24, 2014.

D.2 Additional Results

D.2.1 Shoreline

Shoreline was not assigned in the Hydrographic Survey Project Instructions or Statement of Work.

D.2.2 Prior Surveys

No prior survey comparisons exist for this survey.

D.2.3 Aids to Navigation

Aids to navigation (ATONs) do not exist for this survey.

D.2.4 Overhead Features

Overhead features do not exist for this survey.

D.2.5 Submarine Features

Numerous pipelines exist within the surveys limits. Upon observing the CUBE surface and overlaying the as-laid pipeline Dbase during routine subset cleaning, it was apparent that a number of pipes were exposed. The graphic shows an example of an exposed pipeline in H12716.

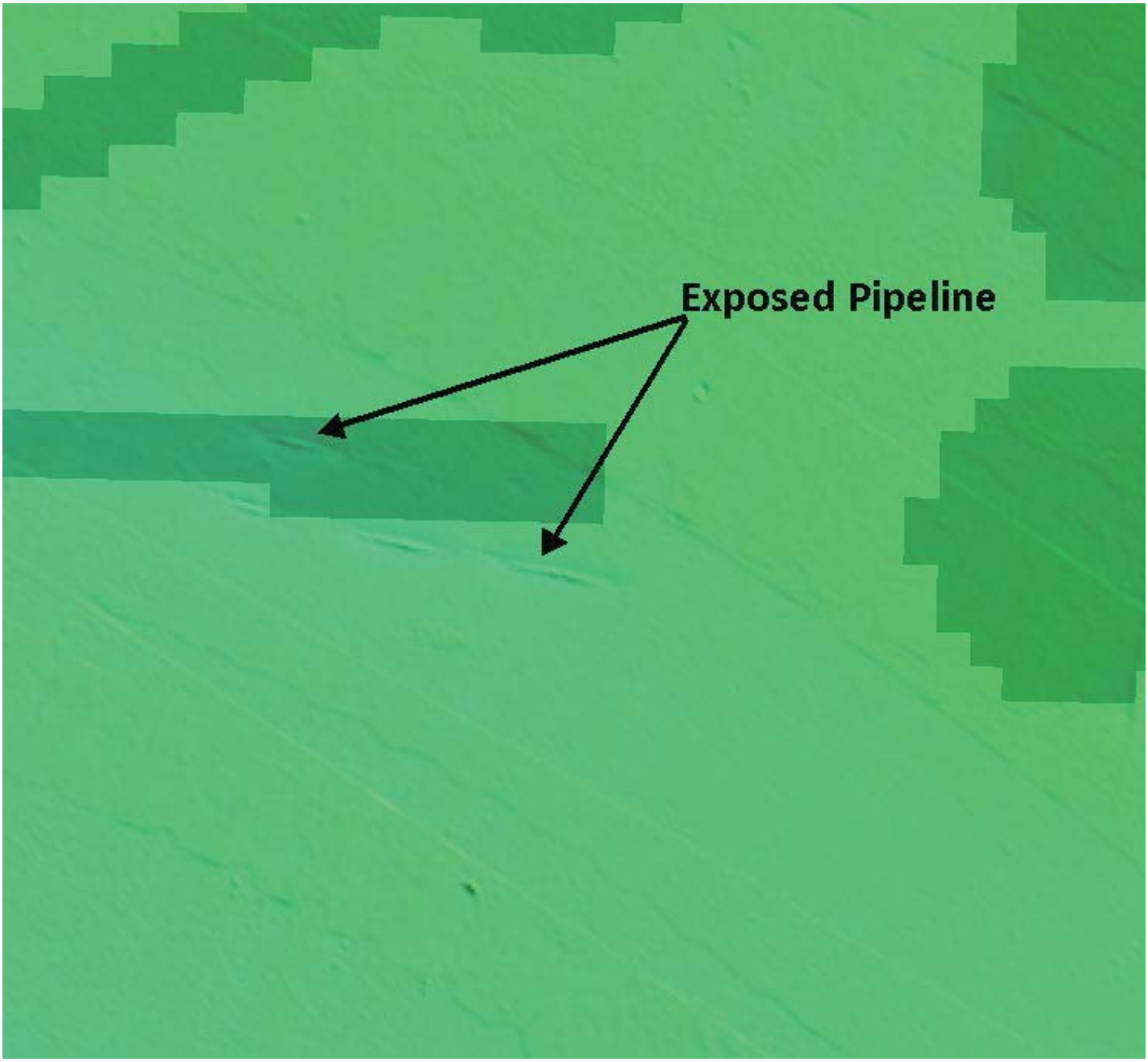


Figure 26: H12716 Exposed Pipeline

D.2.6 Ferry Routes and Terminals

No ferry routes or terminals exist for this survey.

D.2.7 Platforms

There were numerous drilling and production platforms within the survey. Although none were assigned in the CSF file provided by NOAA, all existing platforms within the survey limits were boxed in and

positioned. In the submitted Field Features Files (FFF); platforms that no longer exist were given a “delete” value in the “descrp” attribute. Platforms that were positioned incorrectly were also given the “delete” value in the “descrp” attribute, and a new platform feature with a “new” value in the “descrp” attribute was added in its correct location.

D.2.8 Significant Features

There was an unexpected current in the area at times, which was not necessarily correlated with the tide. It was not uncommon to get a 1.5 to 2.5 knot current that was predominantly from a Southeasterly direction.

It was also normal to see weather induced tide errors on the order of 0.10 to 0.20m, especially during weather systems and isolated storms. From the graphic you can see on May 26, 2015 and May 27, 2015 the effects of these thunder storms. During these isolated storms, the winds would increase to 20 to 25 knots thus increasing the sea state to three to four feet, which in turn had a direct effect on the tide measurement.

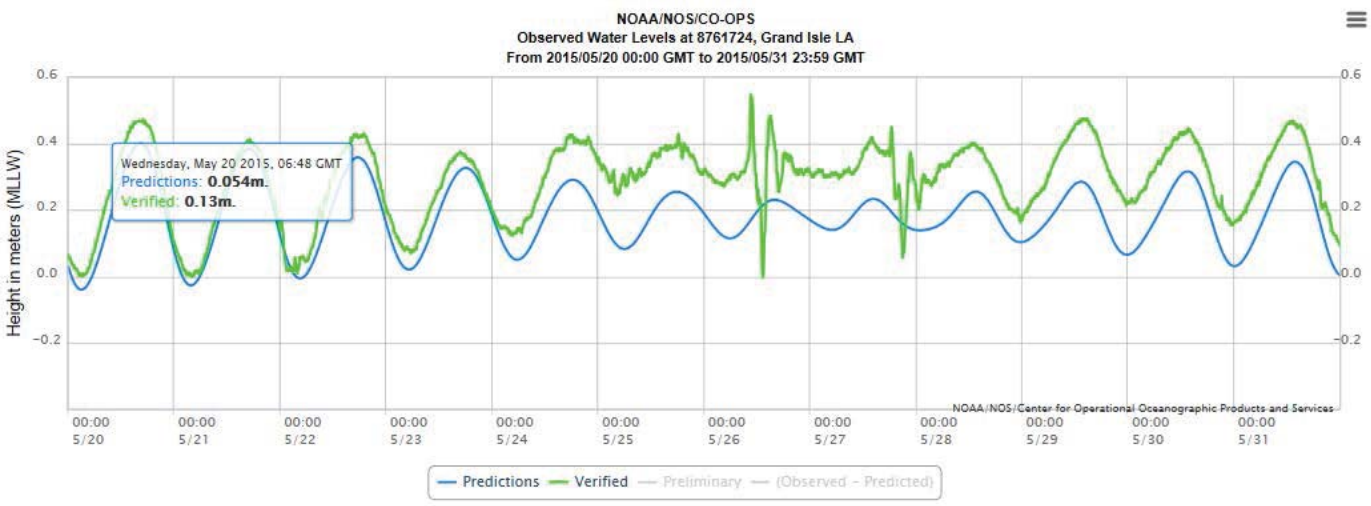


Figure 27: Graph of weather induced Tidal Error

D.2.9 Construction and Dredging

There is no present or planned construction or dredging within the survey limits.

D.2.10 New Survey Recommendation

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

D.2.11 Final Feature File

There were a total of one-hundred and twenty features included in the Composite Source File (CSF) provided by NOAA, only eleven were assigned; one of those being outside the survey area. It should be noted that all features within the survey limits were investigated.

In the submitted Field Features Files (FFF); features that no longer exist were given a “delete” value in the “descrp” attribute. Features such as platforms that were positioned incorrectly were also given the “delete” value in the “descrp” attribute, and a new platform feature with a “new” value in the “descrp” attribute was added in its correct location.

For H12716, there were a total of 38 features; all were addressed.

Any additional features are as attributed in the Field Features File.

D.2.12 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 field sheets, 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, Manual, Standing and Letter Instructions, and all HSD Technical Directives. These data are adequate to supersede charted data in their common areas. This survey is complete and no additional work is required with the exception of deficiencies noted in the Descriptive Report.

Report Name	Report Date Sent
Coast Pilot Report	2015-10-30
Data Acquisition and Processing Report	2015-10-30
Horizontal and Vertical Control Report	2015-10-30

Approver Name	Approver Title	Approval Date	Signature
Dean Moyles	Senior Hydrographer (ACSM Cert. No. 226)	10/30/2015	Moyles, Dean Digitally signed by Moyles, Dean DN: dc=com, dc=fugro, l=america, ou=fpi, ou=people_fpi, 0.9.2342.19200300.100.1.1=moylesd, cn=Moyles, Dean, email=dmoyles@fugro.com Date: 2015.11.27 15:23:08 -08'00'

F. Table of Acronyms

Acronym	Definition
AHB	Atlantic Hydrographic Branch
AST	Assistant Survey Technician
ATON	Aid to Navigation
AWOIS	Automated Wreck and Obstruction Information System
BAG	Bathymetric Attributed Grid
BASE	Bathymetry Associated with Statistical Error
CO	Commanding Officer
CO-OPS	Center for Operational Products and Services
CORS	Continually Operating Reference Staiton
CTD	Conductivity Temperature Depth
CEF	Chart Evaluation File
CSF	Composite Source File
CST	Chief Survey Technician
CUBE	Combined Uncertainty and Bathymetry Estimator
DAPR	Data Acquisition and Processing Report
DGPS	Differential Global Positioning System
DP	Detached Position
DR	Descriptive Report
DTON	Danger to Navigation
ENC	Electronic Navigational Chart
ERS	Ellipsoidal Referenced Survey
ERZT	Ellipsoidally Referenced Zoned Tides
FFF	Final Feature File
FOO	Field Operations Officer
FPM	Field Procedures Manual
GAMS	GPS Azimuth Measurement Subsystem
GC	Geographic Cell
GPS	Global Positioning System
HIPS	Hydrographic Information Processing System
HSD	Hydrographic Surveys Division
HSSD	Hydrographic Survey Specifications and Deliverables

Acronym	Definition
HSTP	Hydrographic Systems Technology Programs
HSX	Hypack Hysweep File Format
HTD	Hydrographic Surveys Technical Directive
HVCR	Horizontal and Vertical Control Report
HVF	HIPS Vessel File
IHO	International Hydrographic Organization
IMU	Inertial Motion Unit
ITRF	International Terrestrial Reference Frame
LNM	Local Notice to Mariners
LNM	Linear Nautical Miles
MCD	Marine Chart Division
MHW	Mean High Water
MLLW	Mean Lower Low Water
NAD 83	North American Datum of 1983
NAIP	National Agriculture and Imagery Program
NALL	Navigable Area Limit Line
NM	Notice to Mariners
NMEA	National Marine Electronics Association
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Service
NRT	Navigation Response Team
NSD	Navigation Services Division
OCS	Office of Coast Survey
OMAO	Office of Marine and Aviation Operations (NOAA)
OPS	Operations Branch
MBES	Multibeam Echosounder
NWLON	National Water Level Observation Network
PDBS	Phase Differencing Bathymetric Sonar
PHB	Pacific Hydrographic Branch
POS/MV	Position and Orientation System for Marine Vessels
PPK	Post Processed Kinematic
PPP	Precise Point Positioning
PPS	Pulse per second

Acronym	Definition
PRF	Project Reference File
PS	Physical Scientist
PST	Physical Science Technician
RNC	Raster Navigational Chart
RTK	Real Time Kinematic
SBES	Singlebeam Echosounder
SBET	Smooth Best Estimate and Trajectory
SNM	Square Nautical Miles
SSS	Side Scan Sonar
ST	Survey Technician
SVP	Sound Velocity Profiler
TCARI	Tidal Constituent And Residual Interpolation
TPE	Total Porpagated Error
TPU	Topside Processing Unit
USACE	United States Army Corps of Engineers
USCG	United Stated Coast Guard
UTM	Universal Transverse Mercator
XO	Executive Officer
ZDA	Global Positiong System timing message
ZDF	Zone Definition File

APPENDIX I

TIDES AND WATER LEVELS

No Tide Note provided for Project OPR-K339-KR2-14

APPENDIX II

SUPPLEMENTAL SURVEY RECORDS AND CORRESPONDENCE

From:	Moyles, Dean FPI
To:	"Coast.Pilot@noaa.gov"; "OCS.NDB@noaa.gov"
Cc:	Patrick Keown (NOAA)
Subject:	OPR-K339-KR2-14
Date:	Monday, November 23, 2015 9:04:00 AM
Attachments:	Coast Pilot B5_E42_20141010_1649_WEB.zip

Sorry for the delay, I have placed comments in each applicable chapter. Please let me know if you need additional information or have any comments.

Kind regards,
Fugro Pelagos, Inc.

Dean Moyles
Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378
email: dmoyles@fugro.com | www.fugro.com
3574 Ruffin Road, San Diego, CA 92123

From:	Moyles, Dean FPI
To:	ahb.dton@noaa.gov; Patrick Keown (NOAA)
Cc:	Mark.T.Lathrop@noaa.gov
Subject:	H12714 DtoN
Date:	Saturday, January 31, 2015 8:29:00 AM
Attachments:	H12714_DTON_1.000 H12714_DtoN_Report_Feature__1.png

---

Let me know if you have any questions or comments.

Kind regards,
Fugro Pelagos, Inc.

Dean Moyles
Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378
email: dmoyles@fugro.com | www.fugro.com
3574 Ruffin Road, San Diego, CA 92123

From:	Vanessa Miller - NOAA Federal
To:	OCS NDB - NOAA Service Account
Cc:	Matthew Jaskoski - NOAA Federal; Moyles, Dean FPI; Patrick Keown - NOAA Federal; Michael Gonsalves - NOAA Federal; Tiffany Squyres - NOAA Federal; Castle Parker - NOAA Federal
Subject:	H12715 DtoN #2 36ft Obstruction Submission to NDB
Date:	Monday, October 26, 2015 5:12:31 AM
Attachments:	H12715_DtoN2.zip

Good day,

Please find attached compressed file for H12715 DtoN #2 for submission to Nautical Data Branch (NDB) and Marine Chart Division (MCD). This danger submission contains an uncharted 36ft obstruction. The information originates from NOAA contract field unit Fugro Pelagos, Inc., and was submitted to the Atlantic Hydrographic Branch (AHB) for review and processing. The contents of the attached WinZip file were generated at AHB. The attached zip file contains a DtoN Letter (PDF), associated image files, and a Pydro XML file.

If you have any questions, please direct them back to me via email or phone 757-441-6746 x102.
Thank you for your assistance with this matter.

Respectfully,

Vanessa Self Miller
Hydrographer/Physical Scientist
Atlantic Hydrographic Branch
439 West York St.
Norfolk, VA 23510
757-441-6746 x102

From: OCS NDB - NOAA Service Account
To: Moyles, Dean FPI
Subject: Re: H12716 DtoN #1 Exposed Pile Submission to NDB
Date: Thursday, October 29, 2015 7:52:14 AM

You're welcome, Dean.

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

On Thu, Oct 29, 2015 at 10:51 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Again, thanks.
>
> **From:** OCS NDB - NOAA Service Account [mailto:ocs.ndb@noaa.gov]
> **Sent:** Thursday, October 29, 2015 7:33 AM
> **To:** Moyles, Dean FPI <dmoyles@fugro.com>
> **Subject:** Re: H12716 DtoN #1 Exposed Pile Submission to NDB
>
> The final attachment for the DTON.
>
> Lance Roddy
>
> Nautical Data Branch/Marine Chart Division/
>
> Office of Coast Survey/National Ocean Service/
>
> Contact: ocs.ndb@noaa.gov
>
> On Thu, Oct 29, 2015 at 10:32 AM, OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:
>
> > Another attachment for the DTON.
> >
> > Lance Roddy
> >
> > Nautical Data Branch/Marine Chart Division/
> >
> > Office of Coast Survey/National Ocean Service/

Contact: ocs.ndb@noaa.gov

On Thu, Oct 29, 2015 at 10:31 AM, OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:

> Dean,
>
> Vanessa has confirmed that this DTON should be processed by Nautical Data Branch. This is the first of several messages with separate attachments related to this DTON Report.
>
> Lance Roddy
>
> Nautical Data Branch/Marine Chart Division/
>
> Office of Coast Survey/National Ocean Service/
>
> Contact: ocs.ndb@noaa.gov
>
> On Thu, Oct 29, 2015 at 10:20 AM, OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:
>
> > Dean,
> >
> > Vanessa is checking with her AHB colleagues to determine whether this DTON Report should continue to be processed by MCD.
> >
> > I will unzip the attachment and send each file separately.
> >
> > Lance Roddy
> >
> > Nautical Data Branch/Marine Chart Division/
> >
> > Office of Coast Survey/National Ocean Service/
> >
> > Contact: ocs.ndb@noaa.gov

On Thu, Oct 29, 2015 at 10:17 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> I checked with IT, they say the max file size is 25 or 32 MB. Maybe try sending it again.
>
> ---
>
> **From:** Moyles, Dean FPI
> **Sent:** Thursday, October 29, 2015 6:54 AM
> **To:** 'OCS NDB - NOAA Service Account' <ocs.ndb@noaa.gov>
> **Cc:** Vanessa Miller - NOAA Federal <vanessa.miller@noaa.gov>
> **Subject:** RE: H12716 DtoN #1 Exposed Pile Submission to NDB
>
> I was told this was not submitted to NBD, refer to attached email.
>
> How big was the file you were sending me, I think we are capped at 15mb.
>
> **From:** OCS NDB - NOAA Service Account [mailto:ocs.ndb@noaa.gov]
> **Sent:** Thursday, October 29, 2015 6:47 AM
> **To:** Moyles, Dean FPI <dmoyles@fugro.com>
> **Cc:** Vanessa Miller - NOAA Federal <vanessa.miller@noaa.gov>
> **Subject:** Re: H12716 DtoN #1 Exposed Pile Submission to NDB
>
> Mr. Moyles,
>
> I recently sent a message to multiple Coast Survey stakeholders and you about the Nautical Data Branch's processing and release of this DTON Report to Marine Chart Division Products Branch G. I received a message stating that the attachment, containing the DTON files, was too large to send to you; the message was blocked.
>
> Please see the notification message in the thread below, without the attachment.

Regards,

Lance Roddy

Nautical Data Branch/Marine Chart Division/

Office of Coast Survey/National Ocean Service/

Contact: ocs.ndb@noaa.gov

On Thu, Oct 29, 2015 at 9:35 AM, OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:

L-1592/15 and DD-26902 have been registered by the Nautical Data Branch and directed to Products Branch G for processing.

The DtoN reported is an exposed obstruction located in the Gulf of Mexico, approximately 18 NM northwest of Southwest Pass, LA.

The following chart is affected:
11358 kapp 60

11366 kapp 2886

11340 kapp 49

The following ENC is affected:
US4LA32M

US3GC04M

References:
H12716
OPR-K339-KR2-14

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

On Wed, Oct 28, 2015 at 11:10 AM, Vanessa Miller - NOAA Federal <vanessa.miller@noaa.gov> wrote:

> Good day,
>
> Please find attached compressed file for H12716 DtoN #1 for submission to Nautical Data Branch (NDB) and Marine Chart Division (MCD). This danger submission contains an uncharted exposed pile. The information originates from NOAA contract field unit Fugro Pelagos, Inc., and was submitted to the Atlantic Hydrographic Branch (AHB) for review and processing. The contents of the attached WinZip file were generated at AHB. The attached zip file contains a DtoN Letter (PDF), associated image files, and a Pydro XML file.
>
> If you have any questions, please direct them back to me via email or phone 757-441-6746 x102.
>
> Thank you for your assistance with this matter.
>
> Respectfully,
>
> *Vanessa Self Miller*
>
> *Hydrographer/Physical Scientist*
>
> *Atlantic Hydrographic Branch*
>
> *439 West York St.*
>
> *Norfolk, VA 23510*
>
> *757-441-6746 x102*

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Wednesday, October 15, 2014 11:49 AM
To: Moyles, Dean FPI
Cc: Millar, David FPI; MacDonald, Mark FPI; Mark Lathrop - NOAA Federal; Michael Gonsalves - NOAA Federal; Lucy Hick - NOAA Federal
Subject: Answers to questions from 10/14/2014 Pre-Project Brief
Attachments: Fugro FY14 Project Statistics_K3392.xlsx; October 14th 2014_Project_PreBrief.pdf

Dean,

Below are some answers to the questions you had yesterday. Just let me know if this doesn't help or you guys need anything else.

1. As far as TOMIS goes, this email may be a good start....
cgsc@csc.noaa.gov . Send an email there stating you need a new TOMIS account or wish to reset your old account. If that is a dead end maybe
try.... Database.Mail@noaa.gov Let me know if that works.

2. Attached is the tracking spreadsheet. It will also be in TOMIS once you can access it.

3. We are ok with you sending us your XML DR prior to submitting to the processing branch. We will have the XML guru run it and make sure everything goes through ok.

4. Below is the change list from the latest XML schema change.

*** The SurveyLimits element was moved from section A3 to A1, between elements areaDescription and surveyPurpose.
*** The coverageGraphic element was moved from section A4 to A3
*** The UncertaintyType element was changed from optional to mandatory

Those should have been in the body of the email I forwarded on. If you would like a list of the small, style type changes we can dig those up.

5. I sent the website links for the NWS Marine Forecast earlier this morning.

In addition I have attached sort of a meeting minutes document for everyone to have. If I typed something wrong or misspoke just let me know and I can change it.

Thanks and please let me know if there are any other questions or you guys need anything at all.

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Friday, December 05, 2014 8:07 AM
To: Moyles, Dean FPI
Subject: Fwd: Change / Addition of zone for OPR-K339-KR2-14
Attachments: K339KR22014CORP_rev.zip

Dean,

Please see attached revised files for the tide zones.

Thanks

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

---------- Forwarded message ----------
From: Colleen Fanelli - NOAA Federal <colleen.fanelli@noaa.gov>
Date: Fri, Dec 5, 2014 at 10:57 AM
Subject: Re: Change / Addition of zone for OPR-K339-KR2-14
To: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Cc: "_NOS.CO-OPS.HPT" <nos.coops.hpt@noaa.gov>, Lucy Hick - NOAA Federal <lucy.hick@noaa.gov>, Michael Gonsalves - NOAA Federal <michael.gonsalves@noaa.gov>

Patrick,

Please see the attached. These files have also been uploaded to SharePoint.

~Colleen

--
Colleen Fanelli
Oceanographer, Hydro Planning Team Lead
NOAA/National Ocean Service
Center for Operational Oceanographic Products and Services Station 7127
1305 East-West Highway N/OPS3
Silver Spring, MD 20910
Colleen.Fanelli@noaa.gov
Phone: (301) 713 – 2877 x 167

On Thu, Dec 4, 2014 at 4:11 PM, Patrick Keown - NOAA Federal <patrick.keown@noaa.gov> wrote:
>
> Just the CORP will be fine. No need to revise the PI.

>
> Thanks
>
> Patrick A. Keown
> Physical Scientist
> NOS - OCS - HSD - Operations Branch
> National Oceanic Atmospheric Administration
> Office: 301-713-2702 Ext. 125
> Cell: 615-319-5906
> "Don't taunt the alligator until you've crossed the creek"
>
>
> On Thu, Dec 4, 2014 at 3:49 PM, Colleen Fanelli - NOAA Federal
> <colleen.fanelli@noaa.gov> wrote:
> > Patrick,
> >
> > Do you need a new revised PI package or just a revised CORP file?
> >
> > ~Colleen
> >
> > --
> > Colleen Fanelli
> > Oceanographer, Hydro Planning Team Lead NOAA/National Ocean Service
> > Center for Operational Oceanographic Products and Services Station
> > 7127
> > 1305 East-West Highway N/OPS3
> > Silver Spring, MD 20910
> > Colleen.Fanelli@noaa.gov
> > Phone: (301) 713 – 2877 x 167
> >
> > On Thu, Dec 4, 2014 at 3:16 PM, Patrick Keown - NOAA Federal
> > <patrick.keown@noaa.gov> wrote:
> >>
> >> Colleen,
> >>
> >> Sounds good, can you guys extend that zone and send a new file.
> >>
> >> Thanks for all your help on this. Sorry we didn't have better data.
> >>
> >> Patrick A. Keown
> >> Physical Scientist
> >> NOS - OCS - HSD - Operations Branch National Oceanic Atmospheric
> >> Administration
> >> Office: 301-713-2702 Ext. 125
> >> Cell: 615-319-5906
> >> "Don't taunt the alligator until you've crossed the creek"
> >>
> >>
> >> On Thu, Dec 4, 2014 at 3:05 PM, Colleen Fanelli - NOAA Federal
> >> <colleen.fanelli@noaa.gov> wrote:
> >> > Patrick,
> >> >

> >> > We recommend to extend zone CGM370 to include the portion of the
> >> > survey that extends past the existing boundry.
> >> >
> >> > ~Colleen
> >> >
> >> > --
> >> > Colleen Fanelli
> >> > Oceanographer, Hydro Planning Team Lead NOAA/National Ocean
> >> > Service Center for Operational Oceanographic Products and
> >> > Services Station 7127
> >> > 1305 East-West Highway N/OPS3
> >> > Silver Spring, MD 20910
> >> > Colleen.Fanelli@noaa.gov
> >> > Phone: (301) 713 – 2877 x 167
> >> >
> >> > On Thu, Dec 4, 2014 at 1:30 PM, David Wolcott - NOAA Federal
> >> > <david.wolcott@noaa.gov> wrote:
> >> >>
> >> >> This was his response. There is not a scale in the image but
> >> >> when I pull up the area on chart 11358 it looks like the lines
> >> >> extend ~100-200m beyond zone CGM370.
> >> >>
> >> >> ---------- Forwarded message ----------
> >> >> From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
> >> >> Date: Thu, Dec 4, 2014 at 12:56 PM
> >> >> Subject: Re: Change / Addition of zone for OPR-K339-KR2-14
> >> >> To: David Wolcott - NOAA Federal <david.wolcott@noaa.gov>
> >> >>
> >> >>
> >> >> Attached is an image that the contractor sent. They said that
> >> >> the shapefile was to large to send from their ship. It appears
> >> >> that the lines are barely crossing the green zone line. It is
> >> >> right at CGM 370 and CGM 380, look closely at the v shape of the
> >> >> green zone lines. I would assume that this will not even be an
> >> >> issue. Let me know if you need any more information.
> >> >>
> >> >> Thanks
> >> >>
> >> >> Patrick A. Keown
> >> >> Physical Scientist
> >> >> NOS - OCS - HSD - Operations Branch National Oceanic Atmospheric
> >> >> Administration
> >> >> Office: 301-713-2702 Ext. 125
> >> >> Cell: 615-319-5906
> >> >> "Don't taunt the alligator until you've crossed the creek"
> >> >>
> >> >>
> >> >> On Thu, Dec 4, 2014 at 12:11 PM, David Wolcott - NOAA Federal
> >> >> <david.wolcott@noaa.gov> wrote:
> >> >> > Hi Patrick,
> >> >> >
> >> >> > do you happen to have a shapefile of the tracklines? That

> >> >> > would help us determine which zones should be extended.
> >> >> >
> >> >> > Thanks,
> >> >> > David
> >> >> >
> >> >> > On Thu, Dec 4, 2014 at 10:52 AM, Patrick Keown - NOAA Federal
> >> >> > <patrick.keown@noaa.gov> wrote:
> >> >> >>
> >> >> >> All,
> >> >> >>
> >> >> >> One of our contractors has reached out saying that they need
> >> >> >> extended zone files. The attached graphic shows his current
> >> >> >> zoning (green) and survey limits (red). On the blue outlined
> >> >> >> zone he has warned us that his survey lines run just outside
> >> >> >> the top left edge of the zone CGM370. Would it be required
> >> >> >> that CO-OPS extend the zone? Or is it ok if the lines run
> >> >> >> over some?
> >> >> >>
> >> >> >> Thanks
> >> >> >>
> >> >> >> Patrick A. Keown
> >> >> >> Physical Scientist
> >> >> >> NOS - OCS - HSD - Operations Branch National Oceanic
> >> >> >> Atmospheric Administration
> >> >> >> Office: 301-713-2702 Ext. 125
> >> >> >> Cell: 615-319-5906
> >> >> >> "Don't taunt the alligator until you've crossed the creek"
> >> >> >
> >> >> >
> >> >> >
> >> >> >
> >> >> > --
> >> >> > David Wolcott
> >> >> > Oceanographic Division
> >> >> > Center for Operational Oceanographic Products and Services
> >> >> > National Ocean Service National Oceanic and Atmospheric
> >> >> > Administration
> >> >> >
> >> >> > 1305 East-West Highway, 7133
> >> >> > Silver Spring, MD 20910
> >> >> > Office: 301-713-2890x153
> >> >> > Fax: 301-713-4437
> >> >> >
> >> >> >
> >> >>
> >> >>
> >> >>
> >> >> --
> >> >> David Wolcott
> >> >> Oceanographic Division
> >> >> Center for Operational Oceanographic Products and Services
> >> >> National Ocean Service National Oceanic and Atmospheric

> >> >> Administration
> >> >>
> >> >> 1305 East-West Highway, 7133
> >> >> Silver Spring, MD 20910
> >> >> Office: 301-713-2890x153
> >> >> Fax: 301-713-4437
> >> >>
> >> >>
> >> >
> >
> >

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Wednesday, October 08, 2014 10:21 AM
To: MacDonald, Mark FPI; Moyles, Dean FPI; Millar, David FPI
Cc: Mark Lathrop - NOAA Federal
Subject: Fwd: XMLDR Application Update ---> Please send to KR
Attachments: DR_Stylesheet.xslt

All,

Please see below for updated XML schema.

The updated 2014_01 XML schema to generate and validate descriptive reports has been uploaded to the OCS XML Hydrographic Reports webpage.

Below you will find a list of the major schema changes between the
2014_02 and 2013_01 versions:

1. The SurveyLimits element was moved from section A3 to A1, between elements areaDescription and surveyPurpose.
2. The coverageGraphic element was moved from section A4 to A3 3. The UncertaintyType element was changed from optional to mandatory

Additionally, an installer for an unofficial version of NOAA's XMLDR application for the 2013 version is available on this non-NOAA website. This application is based on an outdated schema and is available strictly as reference for assistance in the development/refinement of your own system. Also attached as a reference is the corresponding .xslt (stylesheet) file for the 2013 version of the XMLDR. Please note, the print functionality in Pydro requires the installation of the Java 32 bit client.

As a reminder, Any DRs that you provide, must validate against the most recent schema and be printed using the most recent stylesheet.

The XMLDR is a subset of NOAA's Pydro software suite. Pydro is licensed software; however, the package included with this installer has limited functionality and does not require a license. NOAA will not supply a license for any additional use of Pydro. NOAA makes no guarantee about this software and will not support any contractor maintenance requests. This file may not be updated with futurePydro or XMLDR releases.

Thanks!

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Monday, December 08, 2014 5:49 AM
To: Moyles, Dean FPI
Subject: Re: Feature Verification

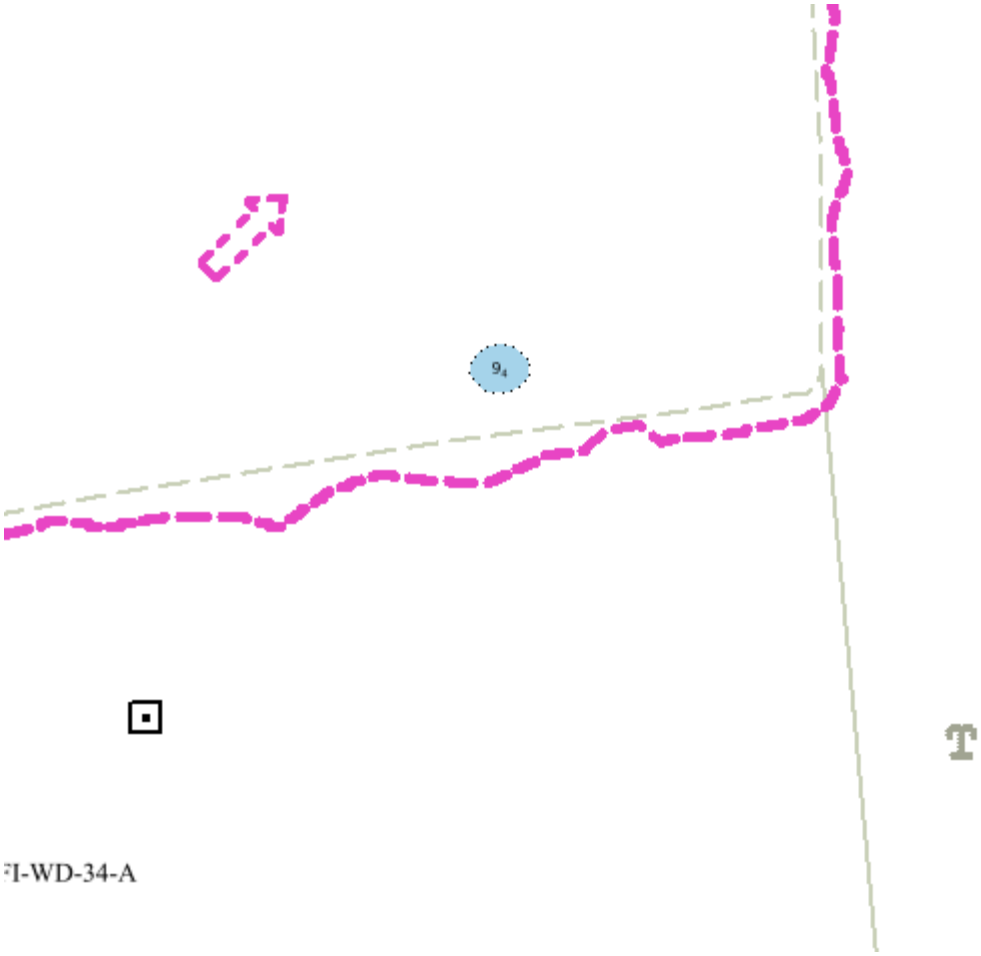
No, anything outside of the limits you are not required to verify. It shouldn't be populated as "assigned" but if it is then disregard. Sometimes we cut the features exactly to the sheet limits, other times we just assign inside the limits and leave the outside features unassigned. Let me know if anything else comes up.

Thanks

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

On Mon, Dec 8, 2014 at 8:45 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> One of the features (see graphic bellow) fall outside the survey limits of OPR-K339-KR2-14, are we still required to verify?



Kind regards,

Fugro Pelagos, Inc.

Dean Moyles

Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378

email: dmoyles@fugro.com | www.fugro.com

3574 Ruffin Road, San Diego, CA 92123

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Friday, February 06, 2015 6:49 AM
To: Moyles, Dean FPI
Cc: Mark Lathrop - NOAA Federal
Subject: Re: FPW meeting

Dean,

Find my answers in BLUE

- Current Task Order: DRM to send Patrick an estimated completion date so the contract can be updated with a revised delivery date.
    - Estimated days to complete OPR-K339-KR2-14 are 66 days, if we start on February 21, 2015; the completion date will be April 27, 2015. The new delivery date should be ~August 26, 2015.-

    - I am in the process of changing to reflect these dates.

- 2015 Task Oder: Patrick is going to send some additional details on the area.
    - Is there a link you could send that shows the area? When will the Task Order be approved and issued?

    - Separate email in the very near future with a proposed project area.

- Fish Interference: We discussed the issue we're having with the schools of fish; we are surveying some areas with 200% MB Object detection. He was going to look into this and let us know if anything could be done.
    - Not sure what can be done here but any guidance would be helpful.

    - There is not much that can be done at this point. There are often issues with this in the Gulf. We will note it and please mention in the DR.

- XML Schema: Fugro would like the complete change list.
    - Patrick can you send me the entire change list?

    - Change list is on it's way in a separate email.

- Weekly Reports: This is something that the NOAA ships do and Fugro will be required to send in weekly production reports as well for the 2015 field season. I said it's no problem we create this on a daily basis anyway.
    - No action required at the moment, but we can start these anytime, including OPR-K339-KR2-14.

    - There will not be required right now but definitely will be for the next project. Stand by for future instructions. For now continue with the Daily Report that you currently send. Thanks

- Bottom Detect Issue: DRM will send some additional graphics of this and get guidance on whether we leave it in or take it out and NOAA accepts a holiday. My suggestion is that if NOAA wants us to reject the deeper soundings, we would not run any in-fill since no shoaler feature was detected. This is a common issue with all sonars, especially with this bottom type.

- The bottom detect algorithm in the Reson 71XX has been affected by the time spreading of the signal return due to sediment penetration close to nadir; refer to attached graphics "Bottom Detection Issue Subset View.png" and "Bottom Detection Issue Surface View.png". You can see that this doesn't occur everywhere, if Gene and you would like to set up a time for a conference call to discuss, let me know a time.

  - After speaking with Mike Gonsalves, please submit the data as is and do not delete any of the data. Make a note in the DR and include a couple pictures if possible. If it starts to affect the overall surface or designated soundings please let me know and we can revisit the issue.

- Holidays: NOAA is putting some new criteria in place for 2015 for what constitutes a data holiday.

  - The board was meeting on this to review and vote, what was the outcome?

  - Please continue as is per the current HSSD. The board meeting was postponed until the end of the month. No decision is expected during acquisition on this project.

- Tide Bust: I'm going to send some information for a few tide busts we are noticing; they are around 0.25m. Not sure if CO-OPS will do anything since it's only 0.25m, but I will gather the information and send it to Patrick.

  - What information will CO-OPs need for troubleshooting these tide busts?

  - Please shot me some information that I can forward on to CO-OPS. Preliminary decision is that there are no major issues since it is only .25m but I want to confirm with the CO-OPS planning team.

- VDatum: Can we use this to fix these busts?

  - Patrick will look into this and provide feedback.

  - Preliminary answer is yes. I will call you early next week with more details. With that said if it is decided it can be used, we can not provide additional funding for this.

- Coast Pilot: For 2015 they will tell us what they want revised, but for 2014 we have to make our best judgment.

  - No action required

  - This is correct, for now please review applicable Coast Pilot sections. For future projects, we will provide a document with detailed areas to address if possible.

- Navigation Manager: I ask should Tim Osborne be included in the DPR distribution.

  - Tim will be included in the DPR distribution list once we commence.

  - DISREGARD my PRIOR statement. Please do not include him at this time. I will let you know when a final decision is made on this by Ops management. Thanks

Please let me know if you have any more questions.

Thanks

Patrick A. Keown

Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

On Fri, Jan 30, 2015 at 12:12 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

Patrick, it was very nice meeting you during the FPW and also for taking the time to discuss our current task order and briefing us on the 2015 task order.

I’ve outlined the items we discussed with the required actions (Actions/Answers are in Red).

- Current Task Order: DRM to send Patrick an estimated completion date so the contract can be updated with a revised delivery date.
    - Estimated days to complete OPR-K339-KR2-14 are 66 days, if we start on February 21, 2015; the completion date will be April 27, 2015. The new delivery date should be ~August 26, 2015.

- 2015 Task Oder: Patrick is going to send some additional details on the area.
    - Is there a link you could send that shows the area? When will the Task Order be approved and issued?

- Fish Interference: We discussed the issue we’re having with the schools of fish; we are surveying some areas with 200% MB Object detection. He was going to look into this and let us know if anything could be done.
    - Not sure what can be done here but any guidance would be helpful.

- XML Schema: Fugro would like the complete change list.
    - Patrick can you send me the entire change list?

- Weekly Reports: This is something that the NOAA ships do and Fugro will be required to send in weekly production reports as well for the 2015 field season. I said it's no problem we create this on a daily basis anyway.

    - No action required at the moment, but we can start these anytime, including OPR-K339-KR2-14.

- Bottom Detect Issue: DRM will send some additional graphics of this and get guidance on whether we leave it in or take it out and NOAA accepts a holiday. My suggestion is that if NOAA wants us to reject the deeper soundings, we would not run any in-fill since no shoaler feature was detected. This is a common issue with all sonars, especially with this bottom type.

    - The bottom detect algorithm in the Reson 71XX has been affected by the time spreading of the signal return due to sediment penetration close to nadir; refer to attached graphics "Bottom Detection Issue Subset View.png" and "Bottom Detection Issue Surface View.png". You can see that this doesn't occur everywhere, if Gene and you would like to set up a time for a conference call to discuss, let me know a time.

- Holidays: NOAA is putting some new criteria in place for 2015 for what constitutes a data holiday.

    - The board was meeting on this to review and vote, what was the outcome?

- Tide Bust: I'm going to send some information for a few tide busts we are noticing; they are around 0.25m. Not sure if CO-OPS will do anything since it's only 0.25m, but I will gather the information and send it to Patrick.

    - What information will CO-OPs need for troubleshooting these tide busts?

- VDatum: Can we use this to fix these busts?

    - Patrick will look into this and provide feedback.

- Coast Pilot: For 2015 they will tell us what they want revised, but for 2014 we have to make our best judgment.

    - No action required

- Navigation Manager: I ask should Tim Osborne be included in the DPR distribution.
    - Tim will be included in the DPR distribution list once we commence.

Kind regards,

Fugro Pelagos, Inc.

Dean Moyles

Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378

email: dmoyles@fugro.com | www.fugro.com

3574 Ruffin Road, San Diego, CA 92123

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Friday, October 23, 2015 1:19 PM
To: Moyles, Dean FPI
Subject: Re: FW: Question's (Coast Pilot)

To eliminate confusion on the branches end it would be better to wait and ship it all at the same time.

Thanks,

Patrick A. Keown
Physical Scientist
Hydrographic Surveys Division
Office of Coast Survey, NOAA
Office: 301-713-2702 x 107
"Don't taunt the alligator until you've crossed the creek"

On Fri, Oct 23, 2015 at 4:02 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> The raw data is ready to go, should I send that today or wait for it all to go out the same time?
>
> Kind regards,
>
> Fugro Pelagos, Inc.
>
> Dean Moyles
>
> *Project Manager/Senior Hydrographer (ACSM cert. No. 226)*
>
> T +1 858 292-8922 | C +1 858 945-6378
>
> email: dmoyles@fugro.com | www.fugro.com
>
> 3574 Ruffin Road, San Diego, CA 92123
>
> ---
>
> **From:** Patrick Keown - NOAA Federal [patrick.keown@noaa.gov]
> **Sent:** Friday, October 23, 2015 12:12 PM
>
> **To:** Moyles, Dean FPI
> **Subject:** Re: FW: Question's (Coast Pilot)

If the data has to be on two separate drives, that is more than ok. There will not be anyone at the branch available to sign on Saturday so Monday is the best option. The address is:

Chief, Atlantic Hydrographic Processing Branch
NOAA
Routing N/CS33
439 West York Street
Norfolk, VA 23510-1114

Let me know if you have any other questions.

Thanks,

Patrick A. Keown
Physical Scientist
Hydrographic Surveys Division
Office of Coast Survey, NOAA
Office: 301-713-2702 x 107
"Don't taunt the alligator until you've crossed the creek"

On Fri, Oct 23, 2015 at 3:06 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Thanks, I will need to submit the Raw on separate drives, due to the mass volumes of data. Due to the physical limit of the drive sizes that I can get here (max drive size is 4TB-USB3), I wouldn't be able to put the processed and raw for one survey on 4TB drive. Does this cause any issues?
>
> When I send the data it will be FedEx priority overnight, I can have it set to Saturday delivery if there will be someone there to sign for it, otherwise you will get it Monday. Who would be the person I'm sending this to at AHB?
>
> Kind regards,
>
> Fugro Pelagos, Inc.
>
> Dean Moyles
>
> *Project Manager/Senior Hydrographer (ACSM cert. No. 226)*
>
> T +1 858 292-8922 | C +1 858 945-6378
>
> email: dmoyles@fugro.com | www.fugro.com
>
> 3574 Ruffin Road, San Diego, CA 92123

From: Patrick Keown - NOAA Federal [patrick.keown@noaa.gov]
Sent: Friday, October 23, 2015 11:51 AM
To: Moyles, Dean FPI
Subject: Re: FW: Question's (Coast Pilot)

Dean,

Checksum is required for data submission to the branch branch (AHB in this case). You are not required to submit data to NGDC. The branch submits data to NGDC. The spec states "field units" but it is referring to our field units. Perform the checksum on the entire directory structure that you are going to submit to AHB.

As far as the deliverable date, we will go on postmarked. If at all possible it would be good to get it ASAP that way the branch can do their assessment ASAP but for all purposes as long as it is postmarked that will work for us.

Patrick A. Keown
Physical Scientist
Hydrographic Surveys Division
Office of Coast Survey, NOAA
Office: 301-713-2702 x 107
"Don't taunt the alligator until you've crossed the creek"

On Fri, Oct 23, 2015 at 11:09 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Sorry for the flurry of questions, but are we required to create the MD5 checksum (FileVerifier++) on the processed data or just the raw data to NGDC?
>
> Kind regards,
>
> Fugro Pelagos, Inc.
>
> Dean Moyles
>
> *Project Manager/Senior Hydrographer (ACSM cert. No. 226)*
>
> T +1 858 292-8922 | C +1 858 945-6378
>
> email: dmoyles@fugro.com | www.fugro.com
>
> 3574 Ruffin Road, San Diego, CA 92123

From: Moyles, Dean FPI
Sent: Friday, October 23, 2015 7:54 AM
To: Patrick Keown - NOAA Federal
Subject: FW: Question's (Coast Pilot)

I have a question on how the Coast Pilot review or updates should be reported. During field operations I went through the CP and since we were offshore there doesn't seem to be anything to report. Brandy Geiger who was with NOAA for a number of years and has done this in the past also went through it and also found nothing to report.

When we switched vessels and were back on site in May we did notice a 1.5 to 2.5 knot current in the survey area, also positioned a stand-by buoy, and flare boom (both are in the final features file). Should I mention these items in the Coast Pilot review or updates?

Do you have any guidelines or samples we can go by?

Kind regards,

Fugro Pelagos, Inc.

Dean Moyles

Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378

email: dmoyles@fugro.com | www.fugro.com

3574 Ruffin Road, San Diego, CA 92123

From: Moyles, Dean FPI
Sent: Thursday, October 22, 2015 3:47 PM
To: Patrick Keown - NOAA Federal
Subject: RE: Question's

Since we are usually in Alaska and the charts are in fathoms, when we do the chart comparison, if our sounding deviates 2 or more fathoms I make mention of it in the DR. Here in the GOM with the charts being in feet, what criteria are safe to use when conducting the chart comparisons?

Dean Moyles
Senior Hydrographer (ACSM certified)
Fugro Pelagos, Inc.
San Diego, CA 92123

Phone (858) 292-8922
Fax (858) 292-5308
Cell (858) 945-6378
www.fugro-pelagos.com

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From: Moyles, Dean FPI
Sent: Thursday, October 22, 2015 7:08 AM
To: Patrick Keown
Subject: Re: Question's

Thanks Patrick, I will send the XML sometime today to validate.

Sent from my iPhone

On Oct 22, 2015, at 6:40 AM, Patrick Keown <patrick.keown@noaa.gov> wrote:

> Dean,
>
> Sorry for the late reply, I have been out of the office.
>
> As for the xml file, go ahead and send it to xml.dr@noaa.gov and cc me on the email.
>
> Let me double check on the pdf but I can most likely generate it for you from your final xml file.
>
> On the features.. A general statement will be fine. There should not be a need to individually discuss this. Same for new features.
>
> Sound good? Let me know if you have anymore questions.
>
> Thanks,
>
> Patrick A. Keown
> Chief (Acting), Customer Affairs Branch
> NOS - OCS - NSD
> National Oceanic Atmospheric Administration
> Office: 301-713-2730 x 179
> Cell: 301-789-3075
> "Don't taunt the alligator until you've crossed the creek"
>
> On Oct 19, 2015, at 1:35 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
>
>> Before we get too far along I would like to send an XML file to be validated if that's ok? I can send it to you later today or should I send it to xml.dr@noaa.gov?

As I mentioned previously, in past years we were given the XML DR application, but since this is no longer available we have an issue with producing a pdf output. We compile our XML DR in MBTools (in house software) and this does not have an option for producing a pdf file, I have had our in house GIS programmer look into this, but it's not as clear cut as I would have thought. Would it be possible for someone on your end to produce the pdf files?

The last couple of questions are related to our S57 products; you mentioned that features we mark the "descrp" attribute to delete you want us to make mention in the DR. Do you want a general statement that we did this on a few features or do you want them itemized? The same would go for new features, I assume?

Kind regards,

Fugro Pelagos, Inc.

Dean Moyles

Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378

email: dmoyles@fugro.com | www.fugro.com

3574 Ruffin Road, San Diego, CA 92123

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Thursday, December 04, 2014 9:26 AM
To: Moyles, Dean FPI
Subject: Re: NOAA Extended Attributes

An image of the lines versus the zone may work as well

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

On Thu, Dec 4, 2014 at 12:22 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
> The TP shapefiles are large, but I see what I can do.
>
> -----Original Message-----
> From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
> Sent: Thursday, December 04, 2014 9:17 AM
> To: Moyles, Dean FPI
> Subject: Re: NOAA Extended Attributes
>
> Dean,
>
> I reached out to CO-OPS, they have requested a shapefile of your tracklines so they can accurately extend. Can you provide a shapefile?
>
> Thanks
>
> Patrick A. Keown
> Physical Scientist
> NOS - OCS - HSD - Operations Branch
> National Oceanic Atmospheric Administration
> Office: 301-713-2702 Ext. 125
> Cell: 615-319-5906
> "Don't taunt the alligator until you've crossed the creek"
>
>
> On Thu, Dec 4, 2014 at 10:35 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
>> Thanks, I also need an additional tide zone; some of my lines extend beyond CGM370 (highlighted blue) in the attached graphic. Should I go directly to CO-Op's or should I go through you?
>>
>> -----Original Message-----
>> From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
>> Sent: Thursday, December 04, 2014 6:27 AM
>> To: Moyles, Dean FPI
>> Subject: Re: NOAA Extended Attributes

>>
>> Confirmed. That is the same version we are using in the office.
>>
>> Thanks
>>
>> Patrick A. Keown
>> Physical Scientist
>> NOS - OCS - HSD - Operations Branch
>> National Oceanic Atmospheric Administration
>> Office: 301-713-2702 Ext. 125
>> Cell: 615-319-5906
>> "Don't taunt the alligator until you've crossed the creek"
>>
>>
>> On Thu, Dec 4, 2014 at 9:11 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
>>> Referring to the NOAA CARIS extended attribute files, if 5.3.2 is the current version, then I have all the files I need from last year. Can you confirm that this is the latest version.
>>>
>>> -----Original Message-----
>>> From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
>>> Sent: Thursday, December 04, 2014 5:38 AM
>>> To: Moyles, Dean FPI
>>> Subject: Re: NOAA Extended Attributes
>>>
>>> Just wanted to clarify, are you talking about the feature files with all the bottom samples etc in it? or the NOAA Caris extended attribute files. I have attached the feature files but I believe you may be referring to something else. I also attached the NOAA profile from CARIS which I believe allows for viewing of the extended attributes in Caris. Just let me know if any of these work.
>>>
>>> Thanks
>>>
>>> Patrick A. Keown
>>> Physical Scientist
>>> NOS - OCS - HSD - Operations Branch
>>> National Oceanic Atmospheric Administration
>>> Office: 301-713-2702 Ext. 125
>>> Cell: 615-319-5906
>>> "Don't taunt the alligator until you've crossed the creek"
>>>
>>>
>>> On Wed, Dec 3, 2014 at 11:13 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
>>>> It can wait, thanks.
>>>>
>>>>
>>>>
>>>> From: Patrick Keown [mailto:patrick.keown@noaa.gov]
>>>> Sent: Wednesday, December 03, 2014 8:08 AM
>>>> To: Moyles, Dean FPI
>>>> Subject: Re: NOAA Extended Attributes
>>>>
>>>>
>>>>

>>>> Dean,
>>>>
>>>>
>>>>
>>>> Unfortunately I am out of the office sick today. Would first thing
>>>> tomorrow work? If not I can probably get in touch with someone to get the files.
>>>>
>>>>
>>>>
>>>> Thanks,
>>>>
>>>>
>>>>
>>>> Patrick A. Keown
>>>>
>>>> Physical Scientist
>>>>
>>>> NOS - OCS - HSD - Ops Branch
>>>>
>>>> National Oceanic Atmospheric Administration
>>>>
>>>> Office: 301-713-2702 Ext. 125
>>>>
>>>> Cell: 619-319-5906
>>>>
>>>> "Don't taunt the alligator until you've crossed the creek"
>>>>
>>>>
>>>> On Dec 2, 2014, at 6:30 PM, "Moyles, Dean FPI" <dmoyles@fugro.com> wrote:
>>>>
>>>> I didn’t received the extended attribute files or updates, would
>>>> you have them? I would like to apply them here while we conduct
>>>> bottom samples and features.
>>>>
>>>>
>>>>
>>>> Kind regards,
>>>>
>>>> Fugro Pelagos, Inc.
>>>>
>>>>
>>>>
>>>> Dean Moyles
>>>>
>>>> Project Manager/Senior Hydrographer (ACSM cert. No. 226)
>>>>
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>>>> T +1 858 292-8922 | C +1 858 945-6378
>>>>
>>>> email: dmoyles@fugro.com | www.fugro.com
>>>>

>>>> 3574 Ruffin Road, San Diego, CA 92123
>>>>
>>>>
>>>>
>>>>

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Monday, November 24, 2014 5:14 AM
To: Moyles, Dean FPI
Cc: Mark.T.Lathrop@noaa.gov
Subject: Re: OPR-K339-KR2-14 update
Attachments: FINAL_OPR-K339-KR2-14_ProjectInstructions_signed.pdf

Dean,

Please see attached Final Project Instructions.

Thanks

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

On Fri, Nov 21, 2014 at 2:01 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
> We were delayed for a week or so waiting on the vessel to finish
> another project; the mobilization is nearly completed, plan on doing
> the offset survey today or tomorrow.
>
>
>
> The current plan is to depart Patterson on Tuesday to make the transit
> to the work site and commence our calibrations. The project
> instructions I have, as draft in the title or file name, can you
> issue a final version of this?
>
>
>
>
>
> Kind regards,
>
> Fugro Pelagos, Inc.
>
>
>
> Dean Moyles
>
> Project Manager/Senior Hydrographer (ACSM cert. No. 226)
>
>
>

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>
> email: dmoyles@fugro.com | www.fugro.com
>
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>
>
>
>

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Thursday, February 05, 2015 11:04 AM
To: Dave Stein - NOAA Federal
Cc: Moyles, Dean FPI
Subject: Re: Project Instructions Question

Dave,

Dean informed me that he believes he has two accounts and they keep getting mixed up. Can you delete the account that keeps reverting back to Geospatial....

Thanks

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

On Thu, Feb 5, 2015 at 2:01 PM, Dave Stein - NOAA Federal <dave.stein@noaa.gov> wrote:

Should be all set. I just added Dean to the Hydro Services Contract. Let me know if that works.

David

On Thu, Feb 5, 2015 at 1:10 PM, Patrick Keown - NOAA Federal <patrick.keown@noaa.gov> wrote:

Dave,

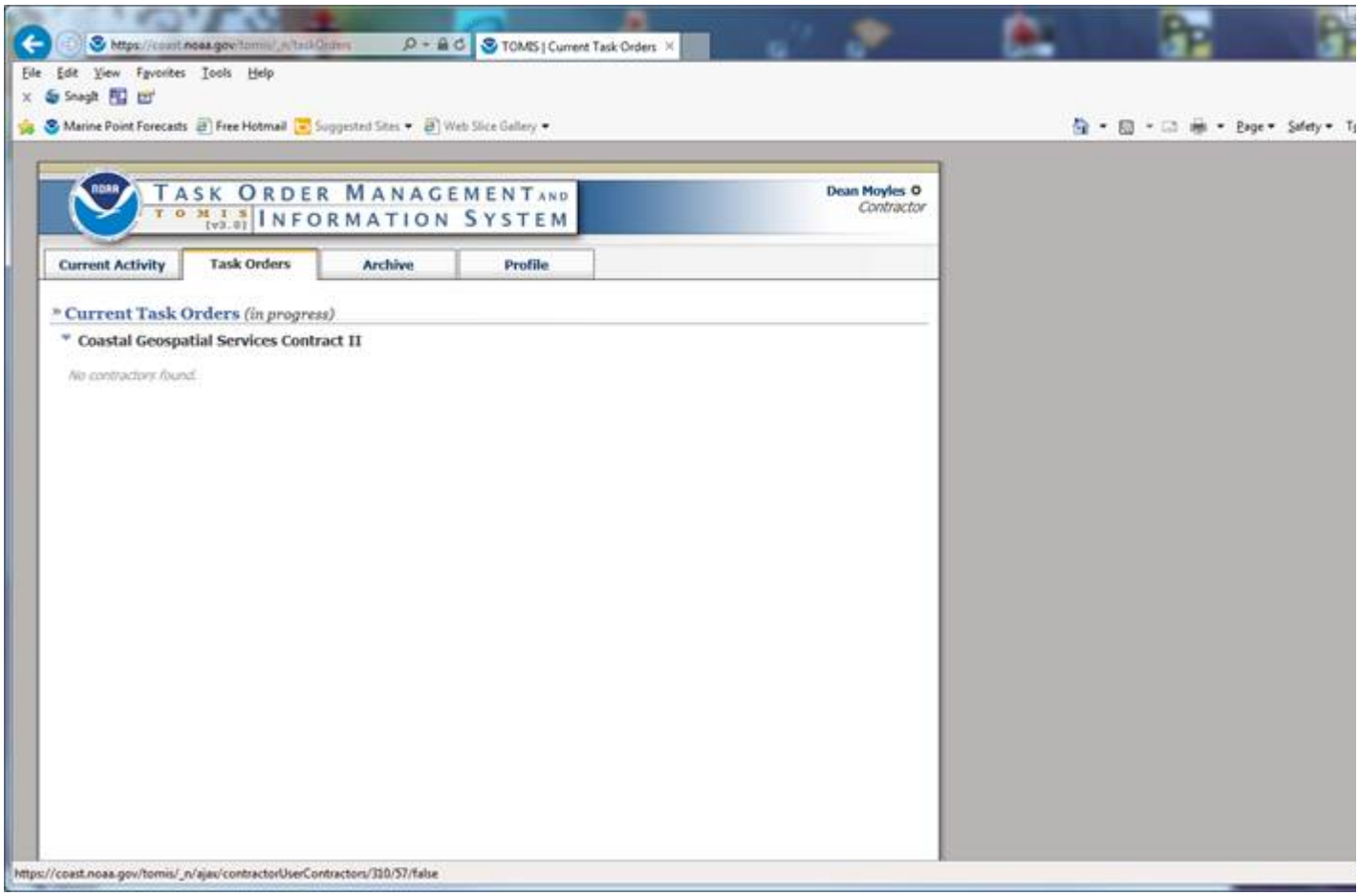
Is there any way you could reach out to Dean Moyles (from FUGRO) in regards to this TOMIS issue. I have CC'd him on this email. He is no longer seeing his contract in TOMIS which is causing him to not be able to upload his progress report. Everything seems to look good on our end, granted I did notice that his screen grab shows "coastal geospatial services contract..." and it should show (and on our end shows) "Hydrographic Surveying and Associated Support Services". Maybe their contracts just dropped off his task order page. Also, they may have both those types of contracts with NOAA so he may need to see both those titles. Any information would be greatly appreciated

Thanks,

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

---------- Forwarded message ----------
From: **Moyles, Dean FPI** <dmoyles@fugro.com>
Date: Thu, Feb 5, 2015 at 9:25 AM
Subject: RE: Project Instructions Question
To: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>

This is all I get.



From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
Sent: Thursday, February 05, 2015 5:57 AM

To: Moyles, Dean FPI
Subject: Re: Project Instructions Question

Dean,

Login in and let me know if anything has changed. I am first trying an easy fix of moving the period of performance date out. If that doesn't work, I will have to reach out to the TOMIS folks.

Thanks

Patrick A. Keown

Physical Scientist

NOS - OCS - HSD - Operations Branch

National Oceanic Atmospheric Administration

Office: 301-713-2702 Ext. 125

Cell: 615-319-5906

"Don't taunt the alligator until you've crossed the creek"

On Thu, Feb 5, 2015 at 8:48 AM, Patrick Keown - NOAA Federal <patrick.keown@noaa.gov> wrote:

Thanks Dean,

Yes did receive the email. Finally back at work today and will look into the issue with TOMIS.

Thanks

Patrick A. Keown

Physical Scientist

NOS - OCS - HSD - Operations Branch

National Oceanic Atmospheric Administration

Office: 301-713-2702 Ext. 125

Cell: 615-319-5906

"Don't taunt the alligator until you've crossed the creek"

On Mon, Feb 2, 2015 at 1:18 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

Let me know if you have any questions regarding the project statistics.

Did you receive my email last week that contained an overview of our sit down during the FPW?

From: Patrick Keown [mailto:patrick.keown@noaa.gov]
Sent: Monday, February 02, 2015 10:14 AM

To: Moyles, Dean FPI
Subject: Re: Project Instructions Question

Dean,

I am out of the office sick. Can you send me your progress report manually. Then I will address it as soon as I get back in.

Thanks

Patrick A. Keown

Physical Scientist

NOS - OCS - HSD - Ops Branch

National Oceanic Atmospheric Administration

Office: 301-713-2702 Ext. 125

Cell: 619-319-5906

"Don't taunt the alligator until you've crossed the creek"

On Feb 2, 2015, at 12:00 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> I'm having trouble uploading my monthly progress to TOMIS. Not sure if I'm doing something wrong, but I don't see anthing under the Task Orders tab anymore.
>
> <image001.jpg>
>
> **From:** Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
> **Sent:** Monday, December 01, 2014 11:36 AM
> **To:** Moyles, Dean FPI
> **Subject:** Re: Project Instructions Question
>
> Yea that looks great! You should be able to Submit for the 12/05/2014. It should give you an option to upload when you click it. I am going to delete the 11/05 due date. Let me know if you run into anymore issues. Oh and just make sure to use that new login from here on.
>
> Thanks
>
> Patrick A. Keown
>
> Physical Scientist
>
> NOS - OCS - HSD - Operations Branch
>
> National Oceanic Atmospheric Administration
>
> Office: 301-713-2702 Ext. 125
>
> Cell: 615-319-5906
>
> "Don't taunt the alligator until you've crossed the creek"

On Mon, Dec 1, 2014 at 2:29 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

That looks better; I assume I just submit report under the Progress Report section?

<image004.jpg>

From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
Sent: Monday, December 01, 2014 10:52 AM

To: Moyles, Dean FPI
Subject: Re: Project Instructions Question

I tried to change your account but I believe it created a new one. You should get an email from TOMIS with a login (dmoyles) and a temporary password. Try to get logged in using that info and let me know if you now see "Hydrographic Surveying and Associated Support Services" under the drop down after clicking on task orders.

Thanks

Patrick A. Keown

Physical Scientist

NOS - OCS - HSD - Operations Branch

National Oceanic Atmospheric Administration

Office: 301-713-2702 Ext. 125

Cell: 615-319-5906

"Don't taunt the alligator until you've crossed the creek"

On Mon, Dec 1, 2014 at 12:39 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

The Satellite number for the vessel is: **337-500-1611, call anytime.**

From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
Sent: Monday, December 01, 2014 9:11 AM
To: Moyles, Dean FPI

Subject: Re: Project Instructions Question

Dean,

Let me know when a good time to call is and a good number. I will try to walk you through it with the knowledge we have on hand. The site for your guys view is different so it is still a challenge for us as well.

Thanks

Patrick A. Keown

Physical Scientist

NOS - OCS - HSD - Operations Branch

National Oceanic Atmospheric Administration

Office: 301-713-2702 Ext. 125

Cell: 615-319-5906

"Don't taunt the alligator until you've crossed the creek"

On Mon, Dec 1, 2014 at 9:36 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

I'm new to TOMIS, I was wondering if you could send me a guide on how to upload my progress spreadsheet? I don't see anywhere on the site to do this.

From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
Sent: Monday, November 24, 2014 8:24 AM
To: Moyles, Dean FPI
Cc: Mark.T.Lathrop@noaa.gov
Subject: Re: Project Instructions Question

The Final instructions are the correct format. Unfortunately this was mis-typed in the draft. The final should be in line with instructions we have sent for previous projects.

Thanks,

Patrick A. Keown

Physical Scientist

NOS - OCS - HSD - Operations Branch

National Oceanic Atmospheric Administration

Office: 301-713-2702 Ext. 125

Cell: 615-319-5906

"Don't taunt the alligator until you've crossed the creek"

On Mon, Nov 24, 2014 at 11:19 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

I noticed in the final project instructions the 200% SSS is now in water depths less than 20m, as per below.

<image005.png>

In the original instructions this was in water depths greater than 20m. I want to make sure this is correct?

<image006.png>

Kind regards,

Fugro Pelagos, Inc.

Dean Moyles

Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378

email: dmoyles@fugro.com | www.fugro.com

3574 Ruffin Road, San Diego, CA 92123

--
David Stein
Geographer, Science and Geospatial Division

COR, Coastal Geospatial Services Contract
NOAA Office for Coastal Management
Charleston, South Carolina
843-740-1310

coast.noaa.gov/idiq/geospatial.html
www.marinecadastre.gov

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Wednesday, January 14, 2015 8:59 AM
To: Moyles, Dean FPI
Subject: Re: Project update

Sure. 301-713-2702 ext 125

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

On Wed, Jan 14, 2015 at 11:58 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
> I can call you now if you have time?
>
> -----Original Message-----
> From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
> Sent: Wednesday, January 14, 2015 8:41 AM
> To: Moyles, Dean FPI
> Subject: Re: Project update
>
> Dean,
>
> Would you be available at some point today for a really quick call?
>
> Thanks
>
> Patrick A. Keown
> Physical Scientist
> NOS - OCS - HSD - Operations Branch
> National Oceanic Atmospheric Administration
> Office: 301-713-2702 Ext. 125
> Cell: 615-319-5906
> "Don't taunt the alligator until you've crossed the creek"
>
>
> On Mon, Jan 12, 2015 at 8:30 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
>> Sorry for the slow response, but I wanted to get a little more information to pass your way. As you know the vessel that we were utilizing had to be given back to the Lafayette office for another Fugro project, unfortunately they are experiencing an increased amount of weather delays (since they are towing SSS, etc.). The currently delayed is estimated to be about a month, but with that project only being 40% complete; we are looking into other vessel options. No firm decision as being made, but we are actively looking for an alternate vessel.
>>
>> I will keep you informed as we progress.
>>
>> -----Original Message-----

>> From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
>> Sent: Friday, January 09, 2015 12:24 PM
>> To: Moyles, Dean FPI
>> Cc: Mark.T.Lathrop@noaa.gov
>> Subject: Re: Project update
>>
>> Dean,
>>
>> Just wanted to check in and see what your schedule may be for Jan and Feb? Are you guys planning to complete ops by the end of Feb?
>>
>> The main reason for the inquiry is the possibility of a site visit. If you have a schedule that you can send it may be helpful as well.
>>
>> Thanks!
>>
>> Patrick A. Keown
>> Physical Scientist
>> NOS - OCS - HSD - Operations Branch
>> National Oceanic Atmospheric Administration
>> Office: 301-713-2702 Ext. 125
>> Cell: 615-319-5906
>> "Don't taunt the alligator until you've crossed the creek"
>>
>>
>> On Tue, Dec 2, 2014 at 2:15 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
>>> With weather contingency built in, I'm estimating about 60 days of survey.
>>>
>>> -----Original Message-----
>>> From: Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
>>> Sent: Tuesday, December 02, 2014 5:45 AM
>>> To: Moyles, Dean FPI
>>> Cc: Mark.T.Lathrop@noaa.gov
>>> Subject: Re: Project update
>>>
>>> Thanks for the update. Do you have a time estimate on completion of the second sheet once you guys return to the working grounds in Jan?
>>> Just want to make sure we plan and update TOMIS accordingly on this end.
>>>
>>> Thanks,
>>>
>>> Patrick A. Keown
>>> Physical Scientist
>>> NOS - OCS - HSD - Operations Branch
>>> National Oceanic Atmospheric Administration
>>> Office: 301-713-2702 Ext. 125
>>> Cell: 615-319-5906
>>> "Don't taunt the alligator until you've crossed the creek"
>>>
>>>
>>> On Mon, Dec 1, 2014 at 5:13 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
>>>> Want to pass along an update regarding our current projected

>>>> schedule; the vessel we are utilizing for this project is owned by Fugro GeoServices, Inc.
>>>> based out of Lafayette. They have been awarded a geophysical
>>>> project that as a hard start and end date; in light of this we plan
>>>> on standing down for about a month around December 12, 2014, to
>>>> allow them to complete their project. We will continue with
>>>> OPR-K339-KR2-14 around the second week of January, 2015. My hope
>>>> is to complete Priority 1 prior to us standing down and continue with data processing on this data set in San Diego.
>>>>
>>>>
>>>>
>>>> Please let me know if you have any questions or comments.
>>>>
>>>>
>>>>
>>>> Kind regards,
>>>>
>>>> Fugro Pelagos, Inc.
>>>>
>>>>
>>>>
>>>> Dean Moyles
>>>>
>>>> Project Manager/Senior Hydrographer (ACSM cert. No. 226)
>>>>
>>>>
>>>>
>>>> T +1 858 292-8922 | C +1 858 945-6378
>>>>
>>>> email: dmoyles@fugro.com | www.fugro.com
>>>>
>>>> 3574 Ruffin Road, San Diego, CA 92123
>>>>
>>>>
>>>>
>>>>

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Monday, September 28, 2015 1:04 PM
To: Moyles, Dean FPI
Subject: Re: Questions

No problem at all. Just let me know.

Thanks,

Patrick A. Keown
Physical Scientist
Hydrographic Surveys Division
Office of Coast Survey, NOAA
Office: 301-713-2702 x 107
"Don't taunt the alligator until you've crossed the creek"

On Mon, Sep 28, 2015 at 4:01 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> That's good for now, more questions may pop up as I get going on creating the final feature files.
>
> Sent from my iPhone
>
> On Sep 28, 2015, at 4:44 PM, Patrick Keown - NOAA Federal <patrick.keown@noaa.gov> wrote:
>
>> Dean,
>>
>> As for the platforms that you obtained new positions on.....The specs (for platforms or features with new locations) state to update the "descrp" attribute of the charted feature to 'delete' and then add a new feature with all the required attribution including "descrp" = New. I have attached an image of the table in the spec that includes examples of charted features found in new locations. With all of that said, it is possible to also flag with a blue note the existing feature and then add the new platform with the required attribution including 'new' in the "descrp" and SORIND / SORDAT.
>>
>> On the features you did not find / disproved.....leave them in the final feature file and mark appropriately the "descrp" with 'delete'. This should also be mentioned in the DR.
>>
>> Does this help?
>>
>> Please feel free to let me know if this does not clarify.
>>
>> Thanks,
>>
>> Patrick A. Keown
>> Physical Scientist
>> Hydrographic Surveys Division

Office of Coast Survey, NOAA
Office: 301-713-2702 x 107
"Don't taunt the alligator until you've crossed the creek"

On Mon, Sep 28, 2015 at 1:04 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Talk to you then.
>
> **From:** Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
> **Sent:** Monday, September 28, 2015 9:53 AM
>
> **To:** Moyles, Dean FPI <dmoyles@fugro.com>
> **Subject:** Re: Questions
>
> Sure. How does 2:30 EST sound? My number is 301-713-2702 x107
>
> Patrick A. Keown
>
> Physical Scientist
>
> Hydrographic Surveys Division
>
> Office of Coast Survey, NOAA
>
> Office: 301-713-2702 x 107
>
> "Don't taunt the alligator until you've crossed the creek"
>
> On Mon, Sep 28, 2015 at 12:20 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
>
> > Sorry for the delayed response, are you free for a quick phone call to discuss a few other questions I have regarding the S-57 features?
> >
> > **From:** Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
> > **Sent:** Friday, September 18, 2015 12:02 PM
> > **To:** Moyles, Dean FPI <dmoyles@fugro.com>
> > **Subject:** Re: Questions

Dean,

Just as FYI I am now back from my detail, and it looks like I will be taking back over as PM for Barataria Bay.

As for the CSF.....

1. Go ahead and update the CSF with the newly acquired features.

2. With the disproved feature, put it in the final feature file and in the remarks (and DR) state that it was disproved and recommend deleting.

As for the XML DR application, we are not at this time providing updated versions to Contractors. With that said, if there are issues with validation, feel free to send a summary of the problem to xml.dr@noaa.gov and the xml dr team with assist with resolving asap. Just to let you know, we plan to release new schema next week sometime.

Glad to be back working with you guys. Please let me know if you need anything else.

Thanks,

Patrick A. Keown

Physical Scientist

Hydrographic Surveys Division

Office of Coast Survey, NOAA

Office: 301-713-2702 x 107

"Don't taunt the alligator until you've crossed the creek"

On Fri, Sep 18, 2015 at 10:51 AM, Mark Lathrop - NOAA Federal <mark.t.lathrop@noaa.gov> wrote:

---------- Forwarded message ----------
From: **Moyles, Dean FPI** <dmoyles@fugro.com>
Date: Thu, Sep 17, 2015 at 10:21 AM
Subject: Questions
To: "Mark.T.Lathrop@noaa.gov" <Mark.T.Lathrop@noaa.gov>

As per our phone conversation, the CSF file for the project has 120 features, but only 11 had the assigned in the attribute (one of these being outside the survey area, which was not addressed). We did verified the others (platforms), do we update the CSF with data compiled from the field or only address the assigned items?

I also want to make sure that if a feature is disproved do we included it in the CSF file and put a delete in the descrp attribute or not include it at all? From memory of last year's CSF, we were told not to include these in the CSF, so I want to make sure.

Also in previous years we were given the XmlDR v13.1 to validate our XML DR's, would it be possible to get an updated version of this for validating our reports?

<image001.png>

Kind regards,

Fugro Pelagos, Inc.

Dean Moyles

Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378

email: dmoyles@fugro.com | www.fugro.com

3574 Ruffin Road, San Diego, CA 92123

Moyles, Dean FPI

From: Patrick Keown <patrick.keown@noaa.gov>
Sent: Thursday, October 22, 2015 6:40 AM
To: Moyles, Dean FPI
Subject: Re: Question's

Dean,

Sorry for the late reply, I have been out of the office.

As for the xml file, go ahead and send it to xml.dr@noaa.gov and cc me on the email.

Let me double check on the pdf but I can most likely generate it for you from your final xml file.

On the features.. A general statement will be fine. There should not be a need to individually discuss this. Same for new features.

Sound good? Let me know if you have anymore questions.

Thanks,

Patrick A. Keown
Chief (Acting), Customer Affairs Branch
NOS - OCS - NSD
National Oceanic Atmospheric Administration
Office: 301-713-2730 x 179
Cell: 301-789-3075
"Don't taunt the alligator until you've crossed the creek"

On Oct 19, 2015, at 1:35 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Before we get too far along I would like to send an XML file to be validated if that's ok? I can send it to you later today or should I send it to xml.dr@noaa.gov?
>
> As I mentioned previously, in past years we were given the XML DR application, but since this is no longer available we have an issue with producing a pdf output. We compile our XML DR in MBTools (in house software) and this does not have an option for producing a pdf file, I have had our in house GIS programmer look into this, but it's not as clear cut as I would have thought. Would it be possible for someone on your end to produce the pdf files?
>
> The last couple of questions are related to our S57 products; you mentioned that features we mark the "descrp" attribute to delete you want us to make mention in the DR. Do you want a general statement that we did this on a few features or do you want them itemized? The same would go for new features, I assume?
>
> Kind regards,
> Fugro Pelagos, Inc.
>
> Dean Moyles
> *Project Manager/Senior Hydrographer (ACSM cert. No. 226)*

T +1 858 292-8922 | C +1 858 945-6378
email: dmoyles@fugro.com | www.fugro.com
3574 Ruffin Road, San Diego, CA 92123

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Wednesday, August 13, 2014 12:37 PM
To: Moyles, Dean FPI
Cc: Mark Lathrop - NOAA Federal
Subject: Re: RFP for OPR-K339-KR2-14

Dean,

You are correct. Due to depths less than 100m and the fact that the area is located where under-keel clearance is less critical but features of concern may exist, we require IHO Order 1a.

Let me know if you have any more quesitons.

Thanks

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

On Wed, Aug 13, 2014 at 3:24 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Since the survey area is located in such an area where under-keel clearance in not critical, I assume we are required to work to IHO Order 1a; can you confirm?
>
> **From:** Patrick Keown - NOAA Federal [mailto:patrick.keown@noaa.gov]
> **Sent:** Thursday, July 31, 2014 8:59 AM
> **To:** Millar, David FPI; Moyles, Dean FPI
> **Cc:** Melissa Sampson - NOAA Federal; Mark Lathrop - NOAA Federal; Corey Allen - NOAA Federal; Michael Gonsalves - NOAA Federal
> **Subject:** RFP for OPR-K339-KR2-14
>
> Fugro,
>
> We are undertaking a hydrographic survey project in Approaches to Barataria Bay to Southwest Pass, project number OPR-K339-KR2-14. Please prepare a technical proposal and cost estimate for this area.

I am attaching the proposed SOW and Project Instructions, including the Tide Requirements from CO-OPS, as well as a PRF & CSF in .000 format. There are also ESRI Shapefiles for the Sheet limits, Junctions, and Bottom Samples that can be used overview planning purposes.

Mark Lathrop will remain the COR, but I will be the Technical Point of Contact. Please include both Mark Lathrop and myself (Patrick Keown) on all correspondence regarding this project.

We would like to have a proposal no later than August 18, 2014. Please let me know if you have any questions or if you will have trouble responding by the above date.

Thank you and have a great weekend!

Patrick A. Keown

Physical Scientist

NOS - OCS - HSD - Operations Branch

National Oceanic Atmospheric Administration

Office: 301-713-2702 Ext. 125

Cell: 615-319-5906

"Don't taunt the alligator until you've crossed the creek"

Moyles, Dean FPI

From: Patrick Keown - NOAA Federal <patrick.keown@noaa.gov>
Sent: Monday, November 24, 2014 8:16 AM
To: Moyles, Dean FPI
Subject: Re: Tide Zoning
Attachments: OPR-K339-KR2-14_GISFiles_TideFiles.zip

Dean,

I am sorry I assumed this was in the original files. I have attached a .zip of all the files including the shoreline, and tide files. Let me know if you need anything else.

Thanks

Patrick A. Keown
Physical Scientist
NOS - OCS - HSD - Operations Branch
National Oceanic Atmospheric Administration
Office: 301-713-2702 Ext. 125
Cell: 615-319-5906
"Don't taunt the alligator until you've crossed the creek"

On Mon, Nov 24, 2014 at 10:59 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:
> Not sure if this was sent in a previous email, but I don't have the
> tide zoning file (zdf) for the project.
>
>
>
> Kind regards,
>
> Fugro Pelagos, Inc.
>
>
>
> Dean Moyles
>
> Project Manager/Senior Hydrographer (ACSM cert. No. 226)
>
>
>
> T +1 858 292-8922 | C +1 858 945-6378
>
> email: dmoyles@fugro.com | www.fugro.com
>
> 3574 Ruffin Road, San Diego, CA 92123
>
>
>
>

Moyles, Dean FPI

From: Mark Lathrop - NOAA Federal <mark.t.lathrop@noaa.gov>
Sent: Thursday, May 21, 2015 5:56 AM
To: Moyles, Dean FPI
Subject: Re: Organic Seeps

Dean,

Remove the spikes and document and explain the organic seep phenomenon in the DR. Your attached explanations looks good but include how it affects your data. Citing a reference might add a little backbone to your explanation, as I believe most people are not aware of this.

Mark

On Wed, May 20, 2015 at 12:56 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Mark,
>
> I sent this to Patrick some time ago and I know David Millar also discussed this on his latest trip to DC, but as we make our way into shallower water again we are starting to see more and more of this. I never heard back from anyone regarding this and was hoping to get some feedback on my approach. These are creating small gaps in our data in certain areas, since I'm removing them. You may see the seep in one line but not on the other in the overlap area. I don't plan on running in fills over these, due to the large amount of time it would take, other option would be to leave them in the dataset, but I think when it goes to AHB for review they will question all the little spikes in the CUBE surface.
>
> Let me know what you think or if you need additional information.
>
> Kind regards,
>
> Fugro Pelagos, Inc.
>
> Dean Moyles
>
> *Project Manager/Senior Hydrographer (ACSM cert. No. 226)*
>
> T +1 858 292-8922 | C +1 858 945-6378
>
> email: dmoyles@fugro.com | www.fugro.com
>
> 3574 Ruffin Road, San Diego, CA 92123

From: Thomas Loeper - NOAA Federal
To: Moyles, Dean FPI
Cc: Coast.Pilot@NOAA.GOV
Subject: Re: Alternate Download Link
Date: Friday, October 23, 2015 9:34:31 AM

Greetings Dean

Yes we did some rearrangement of the website. The HTML files are now to the left of the page. So if you select chapter 5 of a particular book, that will display the single column HTML that I think you are looking for - let me know if you still have an issue.

--
Tom Loeper
Chief, Coast Pilot Branch
Great Lakes Navigation Manager
Voice: (301)713-2750 x165
Cell: (301)367-5680

On Fri, Oct 23, 2015 at 12:27 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> I'm working on our Coast Pilot review for OPR-K339-KR2-14 project in the GOM, in the HSSD 2014 is states "
>
> Note: On the Coast Pilot web site use the hyperlink HTML under the “Alternate Download” which formats the text in one column instead of two columns." I can't seem to find this link, is it removed?
>
> Kind regards,
>
> Fugro Pelagos, Inc.
>
> Dean Moyles
>
> *Project Manager/Senior Hydrographer (ACSM cert. No. 226)*
>
> T +1 858 292-8922 | C +1 858 945-6378
>
> email: dmoyles@fugro.com | www.fugro.com
>
> 3574 Ruffin Road, San Diego, CA 92123

Moyles, Dean FPI

From: Brian Mohr - NOAA Federal <brian.mohr@noaa.gov>
Sent: Tuesday, July 07, 2015 6:20 AM
To: Moyles, Dean FPI
Subject: Re: Survey Outline (OPR-K339-KR2-14)

got them thanks,

Brian Mohr
Physical Scientist - Data Manager
Hydrographic Surveys Division
brian.mohr@noaa.gov
301 713 2707 x116

On Wed, Jul 1, 2015 at 7:37 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Let me know if you have any questions.
>
> Kind regards,
>
> Fugro Pelagos, Inc.
>
> Dean Moyles OPR-K339-KR2-14
>
> *Project Manager/Senior Hydrographer (ACSM cert. No. 226)*
>
> T +1 858 292-8922 | C +1 858 945-6378
>
> email: dmoyles@fugro.com | www.fugro.com
>
> 3574 Ruffin Road, San Diego, CA 92123

Moyles, Dean FPI

From: OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>
Sent: Monday, October 26, 2015 9:49 AM
To: Vanessa Miller - NOAA Federal
Cc: Matthew Jaskoski - NOAA Federal; Moyles, Dean FPI; Patrick Keown - NOAA Federal; Michael Gonsalves - NOAA Federal; Tiffany Squyres - NOAA Federal; Castle Parker - NOAA Federal; NSD Coast Pilot; Benjamin K Evans - NOAA Federal; James Crocker - NOAA Federal; Matt Kroll - NOAA Federal; Nautical Data Branch; Tara Wallace - NOAA Federal; Pearce Hunt - NOAA Federal; _NOS OCS PBA Branch; _NOS OCS PBB Branch; _NOS OCS PBC Branch; _NOS OCS PBD Branch; _NOS OCS PBE Branch; _NOS OCS PBG Branch
Subject: Re: H12715 DtoN #2 36ft Obstruction Submission to NDB
Attachments: H12715_DtoN2.zip

L-1572/15 and DD-26884 have been registered by the Nautical Data Branch and directed to Products Branch G for processing.

The DtoN reported is a submerged obstruction located in the Gulf of Mexico, approximately 9 NM southeast of Bastian Bay, LA.

The following chart is affected:
11358 kapp 60

11366 kapp 2886

11340 kapp 49

The following ENC is affected:
US4LA32M

US3GC04M

References:
H12715
OPR-K339-KR2-14

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

On Mon, Oct 26, 2015 at 8:10 AM, Vanessa Miller - NOAA Federal <vanessa.miller@noaa.gov> wrote:

Good day,

Please find attached compressed file for H12715 DtoN #2 for submission to Nautical Data Branch (NDB) and Marine Chart Division (MCD). This danger submission contains an uncharted 36ft obstruction. The information originates from NOAA contract field unit Fugro Pelagos, Inc., and was submitted to the Atlantic Hydrographic Branch (AHB) for review and processing. The contents of the attached WinZip file were generated at AHB. The attached zip file contains a DtoN Letter (PDF), associated image files, and a Pydro XML file.

If you have any questions, please direct them back to me via email or phone 757-441-6746 x102.
Thank you for your assistance with this matter.

Respectfully,

Vanessa Self Miller
Hydrographer/Physical Scientist
Atlantic Hydrographic Branch
439 West York St.
Norfolk, VA 23510
757-441-6746 x102

Moyles, Dean FPI

From: OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>
Sent: Thursday, October 29, 2015 7:52 AM
To: Moyles, Dean FPI
Subject: Re: H12716 DtoN #1 Exposed Pile Submission to NDB

You're welcome, Dean.

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

On Thu, Oct 29, 2015 at 10:51 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

Again, thanks.

From: OCS NDB - NOAA Service Account [mailto:ocs.ndb@noaa.gov]
Sent: Thursday, October 29, 2015 7:33 AM
To: Moyles, Dean FPI <dmoyles@fugro.com>
Subject: Re: H12716 DtoN #1 Exposed Pile Submission to NDB

The final attachment for the DTON.

Lance Roddy

Nautical Data Branch/Marine Chart Division/

Office of Coast Survey/National Ocean Service/

Contact: ocs.ndb@noaa.gov

On Thu, Oct 29, 2015 at 10:32 AM, OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:

Another attachment for the DTON.

Lance Roddy

Nautical Data Branch/Marine Chart Division/

Office of Coast Survey/National Ocean Service/

Contact: ocs.ndb@noaa.gov

On Thu, Oct 29, 2015 at 10:31 AM, OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:

Dean,

Vanessa has confirmed that this DTON should be processed by Nautical Data Branch. This is the first of several messages with separate attachments related to this DTON Report.

Lance Roddy

Nautical Data Branch/Marine Chart Division/

Office of Coast Survey/National Ocean Service/

Contact: ocs.ndb@noaa.gov

On Thu, Oct 29, 2015 at 10:20 AM, OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:

Dean,

Vanessa is checking with her AHB colleagues to determine whether this DTON Report should continue to be processed by MCD.

I will unzip the attachment and send each file separately.

Lance Roddy

Nautical Data Branch/Marine Chart Division/

Office of Coast Survey/National Ocean Service/

Contact: ocs.ndb@noaa.gov

On Thu, Oct 29, 2015 at 10:17 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

I checked with IT, they say the max file size is 25 or 32 MB. Maybe try sending it again.

From: Moyles, Dean FPI
Sent: Thursday, October 29, 2015 6:54 AM
To: 'OCS NDB - NOAA Service Account' <ocs.ndb@noaa.gov>
Cc: Vanessa Miller - NOAA Federal <vanessa.miller@noaa.gov>
Subject: RE: H12716 DtoN #1 Exposed Pile Submission to NDB

I was told this was not submitted to NBD, refer to attached email.

How big was the file you were sending me, I think we are capped at 15mb.

From: OCS NDB - NOAA Service Account [mailto:ocs.ndb@noaa.gov]
Sent: Thursday, October 29, 2015 6:47 AM
To: Moyles, Dean FPI <dmoyles@fugro.com>
Cc: Vanessa Miller - NOAA Federal <vanessa.miller@noaa.gov>
Subject: Re: H12716 DtoN #1 Exposed Pile Submission to NDB

Mr. Moyles,

I recently sent a message to multiple Coast Survey stakeholders and you about the Nautical Data Branch's processing and release of this DTON Report to Marine Chart Division Products Branch G. I received a message stating that the attachment, containing the DTON files, was too large to send to you; the message was blocked.

Please see the notification message in the thread below, without the attachment.

Regards,

Lance Roddy

Nautical Data Branch/Marine Chart Division/

Office of Coast Survey/National Ocean Service/

Contact: ocs.ndb@noaa.gov

On Thu, Oct 29, 2015 at 9:35 AM, OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov> wrote:

L-1592/15 and DD-26902 have been registered by the Nautical Data Branch and directed to Products Branch G for processing.

The DtoN reported is an exposed obstruction located in the Gulf of Mexico, approximately 18 NM northwest of Southwest Pass, LA.

The following chart is affected:
11358 kapp 60

11366 kapp 2886

11340 kapp 49

The following ENC is affected:
US4LA32M

US3GC04M

References:
H12716
OPR-K339-KR2-14

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

On Wed, Oct 28, 2015 at 11:10 AM, Vanessa Miller - NOAA Federal <vanessa.miller@noaa.gov> wrote:

Good day,

Please find attached compressed file for H12716 DtoN #1 for submission to Nautical Data Branch (NDB) and Marine Chart Division (MCD). This danger submission contains an uncharted exposed pile. The information originates from NOAA contract field unit Fugro Pelagos, Inc., and was submitted to the Atlantic Hydrographic Branch (AHB) for review and processing. The contents of the attached WinZip file were generated at AHB. The attached zip file contains a DtoN Letter (PDF), associated image files, and a Pydro XML file.

If you have any questions, please direct them back to me via email or phone 757-441-6746 x102.

Thank you for your assistance with this matter.

Respectfully,

Vanessa Self Miller

Hydrographer/Physical Scientist

Atlantic Hydrographic Branch

439 West York St.

Norfolk, VA 23510

757-441-6746 x102

Moyles, Dean FPI

From: Hua Yang - NOAA Affiliate <hua.yang@noaa.gov>
Sent: Wednesday, August 19, 2015 4:52 AM
To: Moyles, Dean FPI
Cc: nos.coops.hpt@noaa.gov; nos.coops.oetteam@noaa.gov; Mark.T.Lathrop@noaa.gov
Subject: Re: OPR-K339-KR2-14 hydro hotlist

Hi Dean,

The station was just marked as "Completed" and will be deleted from the Hydro Hot List in a week.

Thank you for your timely notice.

Thanks,

Hua Yang

Hydrographic Planning Team
NOAA/National Ocean Service
Center for Operational Oceanographic Products and Services
Station 7128
1305 East West Highway, SSMC4
Silver Spring, MD 20910
Office: 301-713-2890 x210
Email: Hua.Yang@noaa.gov
Web: http://tidesandcurrents.noaa.gov/

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

On Tue, Aug 18, 2015 at 3:18 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Please remove this gauge from the hydro hotlist for project OPR-K339-KR2-14.
>
> Kind regards,
>
> Fugro Pelagos, Inc.
>
> Dean Moyles
>
> *Project Manager/Senior Hydrographer (ACSM cert. No. 226)*
>
> T +1 858 292-8922 | C +1 858 945-6378
>
> email: dmoyles@fugro.com | www.fugro.com
>
> 3574 Ruffin Road, San Diego, CA 92123

From: Moyles, Dean FPI
Sent: Friday, November 21, 2014 10:52 AM
To: 'nos.coops.hpt@noaa.gov' <nos.coops.hpt@noaa.gov>; 'nos.coops.oetteam@noaa.gov' <nos.coops.oetteam@noaa.gov>
Cc: Patrick Keown (NOAA) <patrick.keown@noaa.gov>; Mark.T.Lathrop@noaa.gov
Subject: OPR-K339-KR2-14 hydro hotlist

Please add the following station to the hydro hotlist for project OPR-K339-KR2-14; planned start date will be November 26, 2014.

Station	Station ID	Control or Subordinate	Type (e.g. NWLON, PORTS©, etc)	Comment
Grand Isle	8761724	Control	NWLON	

Table 1: All stations that need to be added to the HHL in support of K339-KR2-2014

Kind regards,

Fugro Pelagos, Inc.

Dean Moyles

Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378

email: dmoyles@fugro.com | www.fugro.com

3574 Ruffin Road, San Diego, CA 92123

From: Mark Lathrop - NOAA Federal
To: Moyles, Dean FPI
Subject: Re: FW: OPR-K339-KR2-14 hydro hotlist
Date: Wednesday, July 01, 2015 7:01:54 AM
Attachments: image001.png

Let's wait until you get verified tides.

Thanks,

Mark

On Wed, Jul 1, 2015 at 9:57 AM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Should I let them know we are finished or hold off for a week or so? Still need to download the verified tides for the project once they are posted.
>
> **From:** Hua Yang - NOAA Affiliate [mailto:hua.yang@noaa.gov]
> **Sent:** Friday, November 21, 2014 11:06 AM
> **To:** Moyles, Dean FPI
> **Cc:** nos.coops.hpt@noaa.gov; nos.coops.oetteam@noaa.gov; Patrick Keown (NOAA); Mark.T.Lathrop@noaa.gov
> **Subject:** Re: OPR-K339-KR2-14 hydro hotlist
>
> Dear Mr. Moyles,
>
> Please be informed that the station was just added to the Hydro Hot List for the project.
>
> Thank you very much for your timely notice.
>
> Best regard
>
> s,
>
> Hua Yang
>
> Hydrographic Planning Team
> NOAA/National Ocean Service
> Center for Operational Oceanographic Products and Services

Station 7128
1305 East West Highway, SSMC4
Silver Spring, MD 20910
Office: 301-713-2890 x210
Email: Hua.Yang@noaa.gov
Web: http://tidesandcurrents.noaa.gov/

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

On Fri, Nov 21, 2014 at 1:51 PM, Moyles, Dean FPI <dmoyles@fugro.com> wrote:

> Please add the following station to the hydro hotlist for project OPR-K339-KR2-14; planned start date will be November 26, 2014.

Station	Station ID	Control or Subordinate	Type (e.g. NWLON, PORTS©, etc)	Comment
Grand Isle	8761724	Control	NWLON	

Table 1: All stations that need to be added to the HHL in support of K339-KR2-2014

Kind regards,

Fugro Pelagos, Inc.

Dean Moyles

Project Manager/Senior Hydrographer (ACSM cert. No. 226)

T +1 858 292-8922 | C +1 858 945-6378

email: dmoyles@fugro.com | www.fugro.com

3574 Ruffin Road, San Diego, CA 92123

From: Moyles, Dean FPI
To: Castle Parker - NOAA Federal
Cc: Patrick Keown - NOAA Federal; Mark Lathrop - NOAA Federal
Subject: RE: H12714 DtoN
Date: Monday, February 02, 2015 7:19:00 AM

Thanks for the feedback Gene, in the future I will send them to you for review.

From: Castle Parker - NOAA Federal [mailto:castle.e.parker@noaa.gov]
Sent: Monday, February 02, 2015 6:25 AM
To: Moyles, Dean FPI
Cc: Patrick Keown - NOAA Federal; Mark Lathrop - NOAA Federal
Subject: RE: H12714 DtoN

Good day Dean,
Thanks for the DtoN submission. The products were submitted per the specs. AHB review of the feature has it located on a linear obstruction (pipeline) and therefore will not be submitted to Nautical Data Branch (NDB) and Marine Chart Division (MCD). However, the feature is significant and should be included in the survey's feature file.

AHB has dealt with features as such in the past, where the existing uncharted well head or elevated pipeline is located on a charted pipeline; pipelines are considered as obstructions. MCD does not like to locate a single point obstruction on a linear obstruction, and thus is why it will not be submitted to NDB.

Thanks for your efforts and consideration with H12714 DtoN 1. In the future if you would like a prelim review of a suspect DtoN prior to official submission, send an inquiry with an image and I will respond promptly.

Regards,
Gene Parker

Castle Eugene Parker
NOAA Office of Coast Survey
Atlantic Hydrographic Branch
Hydrographic Team Lead / Physical Scientist
castle.e.parker@noaa.gov
office (757) 441-6746 x115

From: Moyles, Dean FPI [mailto:dmoyles@fugro.com]
Sent: Saturday, January 31, 2015 11:30 AM
To: ahb.dton@noaa.gov; Patrick Keown (NOAA)
Cc: Mark.T.Lathrop@noaa.gov
Subject: H12714 DtoN

Let me know if you have any questions or comments.

Kind regards,
Fugro Pelagos, Inc.

Dean Moyles
Project Manager/Senior Hydrographer (ACSM cert. No. 226)

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email: dmoyles@fugro.com | www.fugro.com
3574 Ruffin Road, San Diego, CA 92123

From: Castle Parker - NOAA Federal
To: Moyles, Dean FPI
Cc: Patrick Keown - NOAA Federal; Mark Lathrop - NOAA Federal
Subject: RE: H12714 DtoN
Date: Monday, February 02, 2015 6:25:27 AM

Good day Dean,
Thanks for the DtoN submission. The products were submitted per the specs. AHB review of the feature has it located on a linear obstruction (pipeline) and therefore will not be submitted to Nautical Data Branch (NDB) and Marine Chart Division (MCD). However, the feature is significant and should be included in the survey's feature file.

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Thanks for your efforts and consideration with H12714 DtoN 1. In the future if you would like a prelim review of a suspect DtoN prior to official submission, send an inquiry with an image and I will respond promptly.

Regards,
Gene Parker

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Subject: H12714 DtoN

Let me know if you have any questions or comments.

Kind regards,
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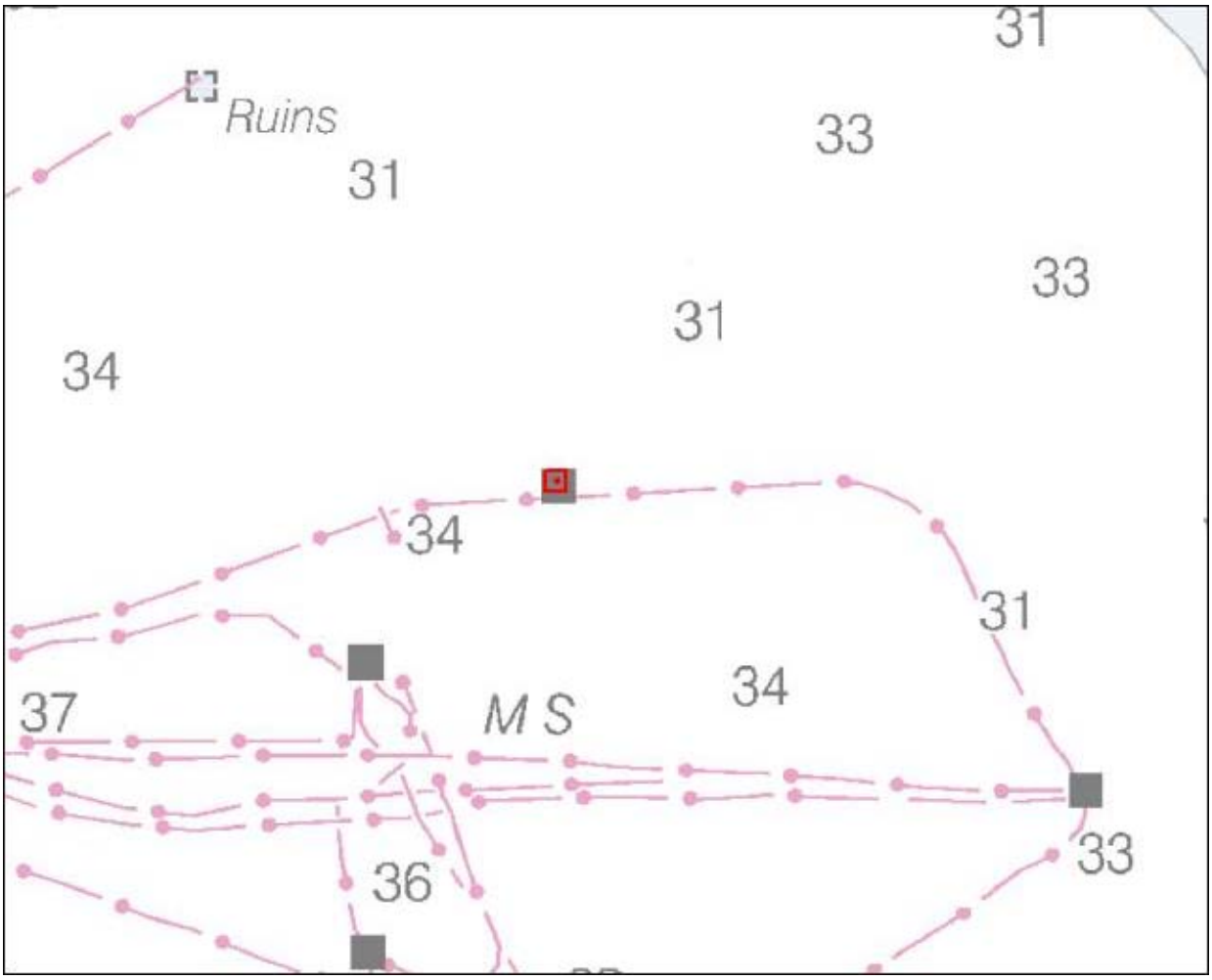
From: Castle Parker - NOAA Federal
To: Moyles, Dean FPI; Mark Lathrop - NOAA Federal
Cc: _NOS OCS HSD AHB Danger to Navigation
Subject: RE: H12715 DtoN
Date: Thursday, June 25, 2015 9:52:30 AM

Good day Dean and Mark,
I have downloaded the latest available RNC (chart 11358) and ENC US4LA32M from Marine Chart Division. I find the platform as charted. The H12715 DtoN1 uncharted platform is not located in the same geographic location, but it is charted. The distance between the charted location and the submitted features is approximately 26m. Therefore, H12715 DtoN 1 an uncharted OFSPLF will not be submitted to Nautical Data Branch.

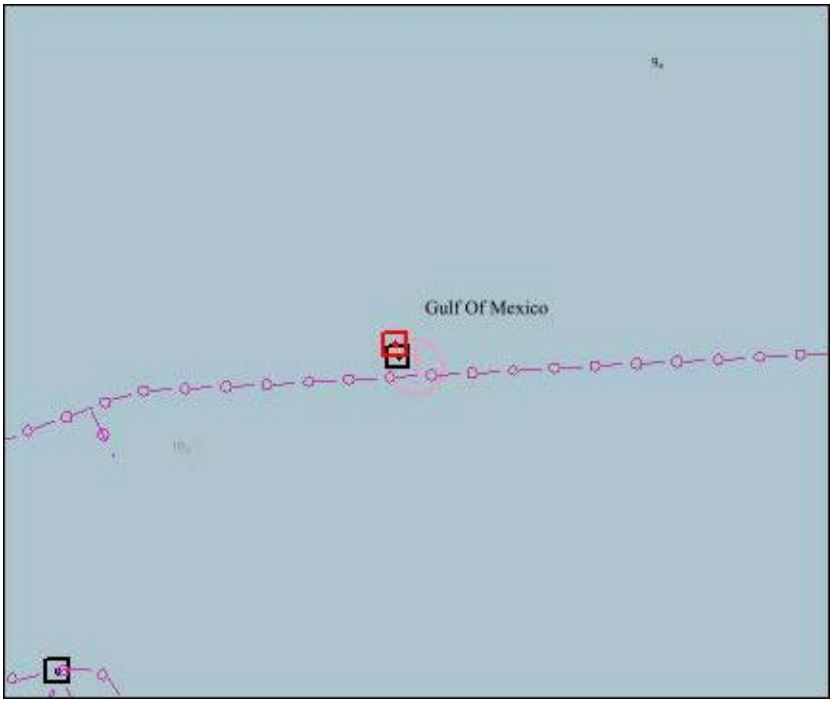
Dean, on another note, I noticed the submitted feature had an image file attributed. It is requested to submit any image files associated the features for any future DtoN submissions.

Thanks for the opportunity to review and respond.
Regards,
Gene Parker

Castle Eugene Parker
NOAA Office of Coast Survey
Atlantic Hydrographic Branch
Hydrographic Team Lead / Physical Scientist
castle.e.parker@noaa.gov
office (757) 441-6746 x115



ENC US4LA32M also has the submitted OFSPLF as charted.



From: Moyles, Dean FPI [mailto:dmoyles@fugro.com]
Sent: Thursday, June 25, 2015 10:47 AM
To: ahb.dton@noaa.gov
Cc: Mark.T.Lathrop
Subject: RE: H12715 DtoN

Sorry, here is the S-57 file for the DtoN.

From: Grant Froelich [mailto:grant.froelich@noaa.gov]
Sent: Thursday, June 25, 2015 7:38 AM
To: _NOS OCS HSD AHB Danger to Navigation
Cc: Moyles, Dean FPI; Mark.T.Lathrop
Subject: Fwd: H12715 DtoN

AHB,

I think this is meant for you.

grant

-------- Original Message --------
Subject:H12715 DtoN
Date: Thu, 25 Jun 2015 13:06:09 +0000
From: Moyles, Dean FPI <dmoyles@fugro.com>
To:phb. dton (phb.dton@noaa.gov) <phb.dton@noaa.gov>, Mark.T.Lathrop@noaa.gov <Mark.T.Lathrop@noaa.gov>

This is an uncharted platform, it does have lights, but unsure if it has a signal horn.

Kind regards,
Fugro Pelagos, Inc.

Dean Moyles
Project Manager/Senior Hydrographer (ACSM cert. No. 226)

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email: dmoyles@fugro.com | www.fugro.com
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From: Castle Parker - NOAA Federal
To: Moyles, Dean FPI
Cc: Matthew Jaskoski - NOAA Federal; Patrick Keown - NOAA Federal
Subject: RE: Additional Features
Date: Wednesday, November 25, 2015 9:13:26 AM

Good day Dean,
I would include these objects in the feature file. If these objects are located on charted pipelines, AHB will isolate the feature and create a report to send to the GOM Nav Manager Tim Osborn as information. Tim will then contact the proper authority and notify them of the pipeline situation. Normally the owner of the pipeline will be notified in order to re-bury.

Include these two object in the feature file as PIPSOL line objects and attribute accordingly, if it is common or near a charted pipeline.

If for instance these unburied pipelines are not located on a charted pipeline, it would then become an obstruction; line object and not a point object. Hopefully a charted pipeline is common and we'll notify Tim Osborn.

Thanks for the opportunity to review and respond.
Hope you have a great Thanksgiving!
Gene

Castle Eugene Parker
NOAA Office of Coast Survey
Atlantic Hydrographic Branch
Hydrographic Team Lead / Physical Scientist
castle.e.parker@noaa.gov
office (757) 441-6746 x115

From: Moyles, Dean FPI [mailto:dmoyles@fugro.com]
Sent: Wednesday, November 25, 2015 12:04 PM
To: Castle Parker - NOAA Federal (castle.e.parker@noaa.gov)
Subject: Additional Features

During my review of the RSA and the surveys, I found a couple of additional features in H12715 that I would like your option on before I include them in the Features File.

Feature_1 is proud of the seafloor by about ~1.4m and Feature_2 by ~1.00m; both look to be exposed pipe, I have overlaid the pipeline database to give you a better picture.

Should I include these and would I attribute with an OBSTRN?

Kind regards,
Fugro Pelagos, Inc.

Dean Moyles
Project Manager/Senior Hydrographer (ACSM cert. No. 226)

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APPROVAL PAGE

H12716

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

- H12716_DR.pdf
- Collection of depth varied resolution BAGS
- Processed survey data and records
- H12714_H12715_H12716_GeoImage.pdf

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.

Digitally signed by Jasmine Cousins
DN: cn=Jasmine Cousins, o=NOAA, ou=Atlantic Hydrographic Branch, email=jasmine.cousins@noaa.gov, c=US
Date: 2016.09.29 14:53:13 -04'00'

Approved:_____

Lieutenant Commander Briana Welton, NOAA
Chief, Atlantic Hydrographic Branch