

H12068

NOAA FORM 76-35A
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

DESCRIPTIVE REPORT

Type of Survey: Hydrographic Multibeam & 200% Sidescan

Project No. : OPR-K354-KR-09

Registry No. : H12068

LOCALITY

State: Louisiana

General Locality: Gulf of Mexico

Sublocality: Entrance to Lake Pelto

2010

CHIEFS OF PARTY
Scott Croft, John Baker

LIBRARY & ARCHIVES

DATE: _____

NOAA FORM 77-28 (11-72)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION HYDROGRAPHIC TITLE SHEET	REGISTRY No: H12068
		FIELD NUMBER: Sheet G
State: <u>Louisiana</u>		
General Locality: <u>Gulf of Mexico</u>		
Locality: <u>Entrance to Lake Pelto</u>		
Scale: <u>1:10,000</u> Date of Survey: <u>August 2009 to April 2010</u>		
Instructions Dated: <u>June 2009</u> Project Number: <u>OPR-K354-KR-09</u>		
Vessels: <u>M/V Andrew Charles, MV Inez McCall</u>		
Chiefs of Party: <u>Scott Croft, John Baker</u>		
Surveyed by: <u>C&C Technologies Personnel</u>		
Soundings taken by echosounder, hand lead line, or pole: <u>Simrad EM3002 Multibeam Echo sounder</u>		
Verification by: <u>C&C Technologies Personnel</u> <i>Atlantic Hydrographic Branch (bold, red, italic font)</i>		
Soundings in: Feet: <u>X*</u> Fathoms: _____ Meters: _____ at MLW: _____ MLLW: _____ X <i>*H-cell Compilation units: Feet at MLLW</i>		
Remarks: <u>Multibeam Hydrographic Survey of Sheet G</u> <u>Data collection in meters, referenced to MLLW, later converted into feet</u> <u>200% side scan sonar coverage</u> <u>UTC time was used exclusively</u> <u>Grab samples were taken</u> <u>Tidal Zones: CGM366, 717, 718, 731, 732, 733, 734, 735, 749, 750, 364, WGM416</u> <u>Tidal Station: 8762075 (Port Fourchon, LA)</u>		

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APPENDICES

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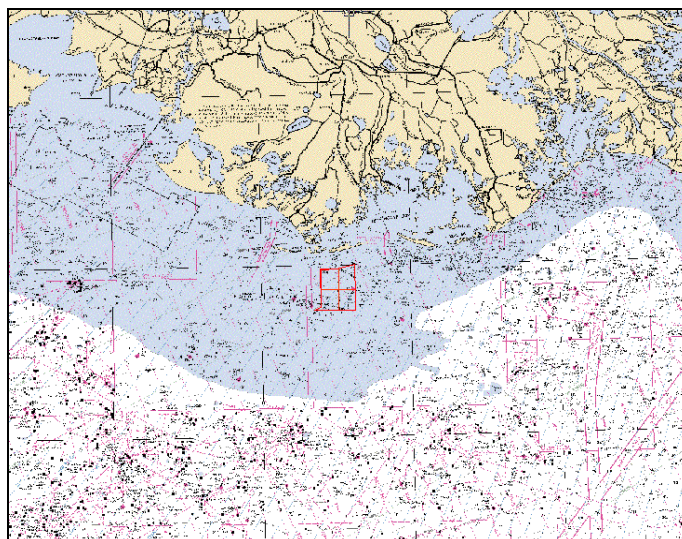
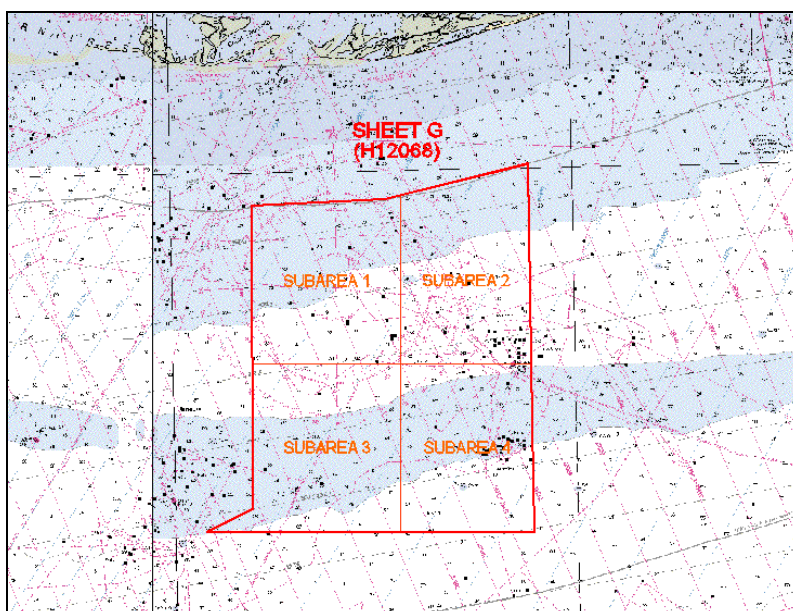
SEPARATES*

Separates I	Acquisition and Processing Logs
Separates II	Sonar Contact Table Side Scan Data Reproductions Correlator Sheets
Separates III	Sound Velocity Profile Data
Separates IV	Statement of Work
Separates V	Crossline Comparisons

****Archived with digital records***

A. AREA SURVEYED

The survey area is located at the entrance to Lake Pelto in the Gulf of Mexico. The following sketch shows the layout of Sheet G (H12068) of Project (OPR-K354-KR-09). Water depths in the survey area range from 21 feet to 54 feet Mean Lower Low Water (MLLW). **Concur.**



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	<i>Inez McCall</i>	<i>Andrew Charles</i>	<i>Total</i>
LNM Side Scan + Multibeam	905.99	130.59	1036.58
LNM Crosslines	56.29	0.00	56.29
LNM Investigations	0.00	4.38	4.38

Number of bottom samples collected	35
Number of items investigated	6
Total square nautical miles	52.04

A.1 ACQUISITION DATES

August 16-19 2009

September 4, 9-10, 15-19, 23-24, 27-29 2009

January 3-7, 23, 25-27 2010

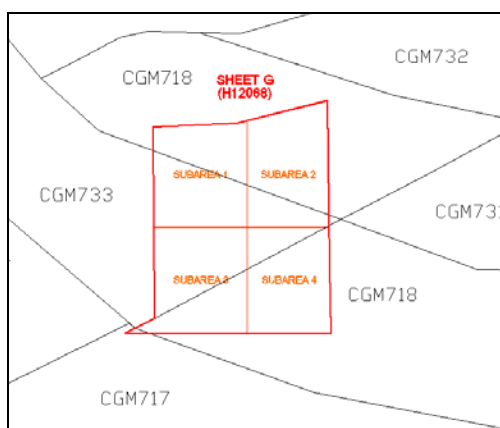
February 22-23 2010

March 4-5 2010

April 5-11 2010

A.2 SURVEY SUBAREAS

The survey area was broken down into four sub areas to allow for more efficient data processing and management. The sub areas were based on the predicted data set sizes prior to survey commencement. Tidal data from Port Fourchon, LA (8762075) was used as the source for corrections. Tide zones CGM718 and CGM733 split subareas 1, 2 and 4. Zones CGM733, CGM717, and CGM718 split subarea 3. Below is an image showing the layout of the tide zoning for this project. *Concur.*





B. DATA ACQUISITION AND PROCESSING

B.1 EQUIPMENT

System	Manufacturer	Model
Multibeam Echo Sounder	Simrad	EM3002
Side Scan Sonar (Inez McCall)	Klein	5000
Side Scan Sonar (Andrew Charles)	Edgetech	4200
Single Beam Echo Sounder (Inez McCall)	ODOM	Echotrac DF3200 MK II
Single Beam Echo Sounder (Andrew Charles)	ODOM	Echotrac DF3200 MK III
Motion Sensor (Inez McCall)	Applanix	POS MV
Motion Sensor (Andrew Charles)	CODA	F180
Primary Positioning System	CNAV	2050
Secondary Positioning System	CNAV	2050
Tertiary Positioning System (Inez McCall)	Applanix	POS MV
Tertiary Positioning System (Andrew Charles)	CODA	F180
Sound Speed at Transducer	Endeco	YSI
Sound Velocity Profiler	Seabird	SBE19 Plus

See Data Acquisition and Processing Report* for a detailed description of the equipment used for hydrographic operations. **Included with survey deliverables.*

Two vessels, the *M/V Inez McCall* and the *M/V Andrew Charles* conducted survey operations for this project. *Concur.*

The *Inez McCall* is 33.5-meters long and 7.5-meters wide with an approximate draft of 2.75 meters. A central reference point was established prior to the survey from which all relevant offsets were measured. Relevant offsets are presented in the following table. *Concur.*

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LOCATIONS FROM CRP	Y (FORWARD)	X (STARBOARD)	Z (VERTICAL)
PRIMARY C-NAV	2.977m	-0.457m	-6.491m
SECONDARY C-NAV	3.052m	0.476m	-6.490m
PRIMARY POS/MV	2.990m	-0.971	-6.500m
SECONDARY POS/MV	3.044m	0.965m	-6.478m
SINGLEBEAM DUCER	14.589m	ON CL	2.476m
MULTIBEAM DUCER	14.800m	ON CL	2.475m
POS/MV IMU	14.976m	ON CL	-1.205m
DRAFT TUBE	-8.953m	2.621m	0.655m
SHIVE	-17.976m	ON CL	-2.722m

The *Andrew Charles* is 41.1-meters long and 10.3-meters wide with an approximate draft of 3.02 meters. A central reference point was established prior to the survey from which all relevant offsets were measured. Relevant offsets are presented in the following table. **Concur.**

METERS FROM CRP	Y(FORWARD)	X(STARBOARD)	Z(VERTICAL)
Primary CNAV	3.070	-0.376	-10.770
Secondary CNAV	3.070	0.275	-10.661
F180 Primary	3.070	-0.947	-10.752
F180 Secondary	3.070	1.053	-10.746
IMU	-0.248	1.038	-0.817
EM3002	1.326	1.835	4.008
Single Beam (Dual)	0.783	1.835	4.008
SSS Sheave	-26.022	-0.053	3.773

Detailed vessel descriptions, vessel diagrams, and patch test results are presented in the Data Acquisition and Processing Report*. **Included with survey deliverables.**

B.2 QUALITY CONTROL

In order to most efficiently carry out this survey, the survey lines were oriented roughly east west throughout the survey area. The side scan was operated with a range of 100 meters per channel, and line spacing was set to 90 meters. These parameters allowed us to effectively meet the criteria of 200 percent side scan coverage, using Technique 2, as set forth in Section 6.1 of the “Specifications and



Deliverables” document. The angular sector on the multibeam was set so that the criterion of two times water depth, as well as all accuracy, resolution, and detection criteria as set forth in Sections 5.2 and 5.3 of the “Specifications and Deliverables” document, were met. *Concur.*

The internal consistency of the multibeam depth values is quantified in the cross line statistics that were performed at the end of each main line. Cross lines were run prior to the collection of main line data so that quality control statistics could be performed on the data after each line. Based on pre-plot calculations, the total cross line miles was 56 nm, while the total main line miles was 1037 nm. The cross lines comprised about 5% of the total data set as compared to the main scheme lines. Rerun line miles are not included in these totals. As can be seen in the sample statistics found in Separates V*, the main lines and cross lines depth values showed very good agreement. Each main line was compared to all cross lines for which there was overlapping data. The graphs shown in Separates V* are a random sample of the graphs that were produced. The graphs show the mean difference, RMS difference, and confidence interval for each beam. The results show that the multibeam data was repeatable with 90% of the soundings within about 8 to 14 centimeters across the swath. The five BASE surfaces for Sheet G were created at a scale of 1:10000 with a resolution of 2 meters. Soundings between the base surfaces agree to within 1 foot in all areas, with no visible draft or tidal errors between the survey junctions. No further corrections to soundings are necessary. *Filed with original field records.*

Multibeam quality control procedures are outlined in Section B.1 of the accompanying Data Acquisition and Processing Report*. *Included with survey deliverables.*



B.3 CORRECTIONS TO ECHO SOUNDINGS

No deviations from the Correction to Echo Soundings section in the Data Acquisition and Processing Report* occurred. **Concur. *Included with survey deliverables.**

C. VERTICAL AND HORIZONTAL CONTROL*See also H-Cell Report

Tide and water level corrections were determined and applied in accordance with Attachment #7 of the Statement of Work*. Tidal zoning as set forth in the Statement of Work was applied. Data from Port Fourchon, LA (8762075) was used as the primary source of tides, while Grand Isle, LA (8761724) was used as a back up. Because there were no outages at the primary station during the survey, the secondary station was not used for any tidal corrections. The following table shows the tidal zone and correctors that were used for this sheet. Tidal data were processed using the 1983-01 epoch. **Concur. *Filed with original field records.**

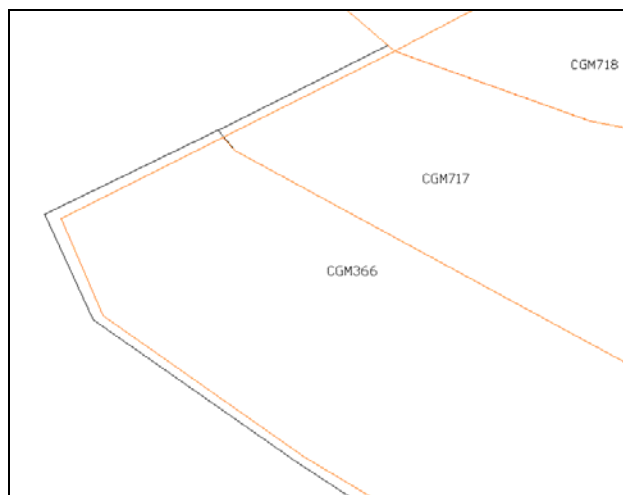
Tide Zone	Reference Station	Primary/Secondary	Time Corrector	Range Ratio
CGM366	8762075	PRIM	-12	1.05
CGM366	8761724	SEC	-48	1.23
CGM717	8762075	PRIM	-12	1.05
CGM717	8761724	SEC	-48	1.23
CGM718	8762075	PRIM	-12	1.05
CGM718	8761724	SEC	-42	1.23
CGM731	8762075	PRIM	-12	1.05
CGM731	8761724	SEC	-42	1.23
CGM732	8762075	PRIM	-6	1.09
CGM732	8761724	SEC	-42	1.27
CGM733	8762075	PRIM	-6	1.17
CGM733	8761724	SEC	-36	1.37
CGM734	8762075	PRIM	-6	1.09
CGM734	8761724	SEC	-36	1.27
CGM735	8762075	PRIM	-6	1.05
CGM735	8761724	SEC	-42	1.23
CGM749	8762075	PRIM	0	1.13

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CGM749	8761724	SEC	-36	1.32
CGM750	8762075	PRIM	0	1.09
CGM750	8761724	SEC	-36	1.27
WGM416	8762075	PRIM	-6	1.21
WGM416	8761724	SEC	-36	1.42
CGM364	8762075	PRIM	-6	1.09
CGM364	8761724	SEC	-36	1.27

To ensure complete coverage, C&C created line files that extended beyond the survey boundary by approximately 150 to 300 meters. The zone definition file provided by CO-OPS had to be altered by C&C in order to cover this area. The result was zones CGM366 and CGM717 being extended along their northwest boundaries by approximately 600 meters. This file was named K354KR2009CORP_C&C_Edit.zdf and affects only subarea 3. The image below shows the new .zdf file (black) compared to the old file (orange). **Concur.**



The horizontal datum for the survey is the North American Datum of 1983 (NAD 83). The projection is Universal Transverse Mercator (UTM) Zone 15 North. The vertical datum for the soundings is Mean Lower Low Water (MLLW). **Concur.**

D. RESULTS AND RECOMMENDATIONS **See also H-Cell Report*

Feature descriptions in this section were reviewed based on the largest scale chart covering the respective area. Any features that the contractor re-addressed on smaller scale charts have been stricken out (e.g., ~~example~~) by the AHB reviewer. This was done by AHB for the sake of clarity, so that each feature is only discussed once.

Refer to Appendix II – Survey Features Report for verified feature information and final feature disposition.

D.1 CHART COMPARISON

D.1.1 CHARTS AND NOTICES TO MARINERS

The following charts were used for comparison purposes.

Chart Number	Scale	Edition	Edition Date
11357	1:80,000	40	Jun 09
11340	1:458,596	74	Aug 09

The following table shows the last updated NM and LNM for each digital chart.

Chart Number	Corrected Through	
	NM	LNM
11357	Jun. 06/09	Jun. 02/09
11340	Aug 08/09	Jul 28/09

D.1.2 CHARTED FEATURES

No evidence of the following charted features was found during this survey. It is recommended that these features be removed from the chart. All positions were taken from the chart, and are approximate.

Charted Feature	Chart Number	Latitude	Longitude
AWOIS 14567 Submerged Obstruction PA	11357	28°59'22.178"N	90°42'53.743"W
AWOIS 14564 Submerged Wreck PA	11357	28°53'06.436"N	90°47'00.998"W
AWOIS 14565 Submerged Obstruction PA	11357	28°53'10.113"N	90°46'21.436"W

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Charted Feature	Chart Number	Latitude	Longitude
Submerged Obstruction PA	11340	28°59'23.961"N	90°42'53.681"W
Submerged Wreck PA	11340	28°53'09.521"N	90°47'00.738"W
Submerged Obstruction PA	11340	28°53'13.566"N	90°46'19.175"W

D.1.3 NOTICES TO MARINERS

The Notices to Mariners were reviewed from the last updated notice for each digital chart, to April 10, 2010. During that time, there were no notices to mariners issued for the charted area within the survey bounds.

D.1.4 CHARTED SOUNDINGS

Chart 11340

Surveyed soundings are consistently 3-4 feet deeper than charted. *Concur.*

Chart 11357

In general, surveyed soundings are 1-4 feet deeper than charted. *Concur.*

D.1.5 SHOALS AND HAZARDOUS FEATURES

There are no charted shoals within the survey bounds, and none were found during survey operations. Hazardous features have been discussed in sections D.1.6, and D.1.7 of this report. *Concur.*

D.1.6 AWOIS ITEMS

Five AWOIS items were assigned for full investigation within the H12068 survey area. *Concur.*

AWOIS 15983 *AWOIS 14567*

Description: Unknown

AWOIS Position: 28°59'22.00"N 90°42'56.00"W



Search Radius: 100 meters

Investigation Method: 200% Side Scan Sonar, Multibeam Echo sounder

Investigation Summary: This AWOIS item is described as Unknown, and is also found on charts 11357 and 11340 as an obstruction PA. No evidence of this item was found during the survey, and it is recommended that it be removed from the charts. *Concur. See Appendix II – DR AWOIS.*

~~AWOIS 15981~~ *AWOIS 14566*

Description: Obstruction

AWOIS Position: 28°56'27.00"N 90°41'33.00"W

Search Radius: 100 meters

Investigation Method: 200% Side Scan Sonar, Multibeam Echo sounder

Investigation Summary: This AWOIS item is described as an Obstruction, and is not charted. No evidence of this item was found during the survey, and it is recommended that it be removed from the charts. *Concur with clarification. See Appendix II – DR AWOIS.*

~~AWOIS 15597~~ *AWOIS 14328*

Description: H. G. Newbury

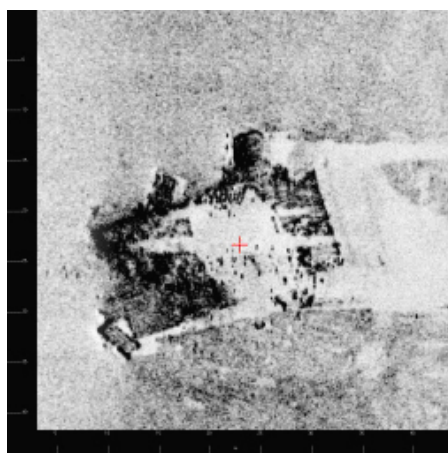
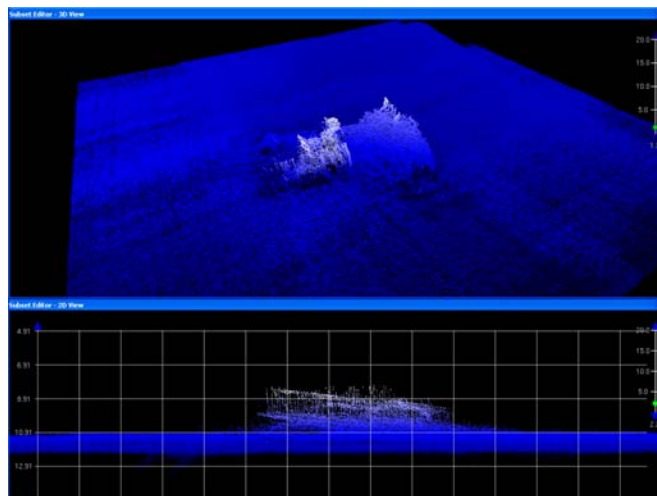
AWOIS Position: 28°55'41.00"N 90°41'34.00"W

Search Radius: 200 meters

Investigation Method: 200% Side Scan Sonar, Multibeam Echo sounder

Investigation Summary: This AWOIS item is described as the sunken wreck H. G. Newbury, and is also found on charts 11357 and 11340 as a submerged wreck PA. It was found during survey operations with a least depth of 26.316 28°55'43.821"N 90°41'33.052"W (NAD83). It is recommended that this feature remain on the chart as a 26 ft Submerged Obstruction at 28°55'43.821"N 90°41'33.052"W (NAD83). This AWOIS item has been marked as a designated sounding within the H12068 Caris project submitted in conjunction with this

report. *Concur with clarification. See Appendix II – DR AWOIS.*



~~AWOIS 15977~~ *AWOIS 14564*

Description: Unknown

AWOIS Position: 28°53'07.00"N 90°47'01.00"W

Search Radius: 250 meters

Investigation Method: 200% Side Scan Sonar, Multibeam Echo sounder

Investigation Summary: This AWOIS item is described as Unknown, and is also found on charts 11357 and 11340 as a submerged wreck PA. No evidence of this item was found during the survey, and it is recommended that it be removed from the charts. *Concur. See Appendix II – DR AWOIS.*



~~AWOIS 15979~~ **AWOIS 14565**

Description: Obstruction

AWOIS Position: 28°53'11.00"N 90°46'22.00"W

Search Radius: 250 meters

Investigation Method: 200% Side Scan Sonar, Multibeam Echo sounder

Investigation Summary: This AWOIS item is described as an Obstruction, and is also found on charts 11357 and 11340 as an obstruction PA. No evidence of this item was found during the survey, and it is recommended that it be removed from the charts. **Concur. See Appendix II – DR AWOIS.**

D.1.7 INVESTIGATION ITEMS

Additional investigation work was performed for six significant sonar contacts. Two to Six additional multibeam and side scan lines were run over each of these targets. After review, the following contact was found to be significant. A second significant contact was found, and has been discussed in section D.1.6 of this report as AWOIS item 15597.

Item 2

Least Depth: 38.179 ft

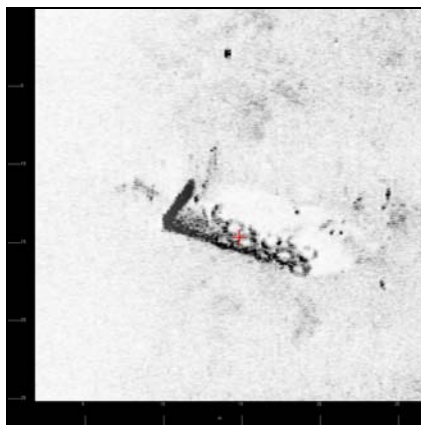
Multibeam Line: INV2-2

Position: 28°53'04.634"N, 90°42'48.422"W(NAD83)

Time Stamp: 2010-04-06 08:23:08.294

Hydrographer's recommendations: This contact is found on chart 11340, and 11357 as a 38 ft submerged obstruction. It was found during survey operations and has been marked as a designated sounding within the H12068 Caris project submitted in conjunction with this report. It is recommended that this contact remain on the charts as a 38-foot submerged obstruction at 28°53'04.634"N,

90°42'48.422"W(NAD83). *Concur with clarification. See Appendix II – DR AWOIS.*



D.1.8 DANGER TO NAVIGATION REPORTS

No Danger to Navigation Reports were issued. *Concur.*

D.2 ADDITIONAL RESULTS

D.2.1 PRIOR SURVEYS

Comparison with prior surveys was not required under this Task Order. See Section D.1 for comparison to nautical charts. *Concur.*

D.2.2 AIDS TO NAVIGATION

One private buoy is charted in the survey area. This buoy is found on charts 11357 and 11340 at the same position as a submerged wreck PA. The Buoy was not present at the time of survey. *Concur with clarification. See Appendix II – DR Charted, Feature 1.9.*

D.2.3 EXISTING INFRASTRUCTURE

The following structures were found as charted.
Concur with clarification. See Appendix II – DR Charted

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Charted Survey Position			
Latitude	Longitude	Structure Type	Structure Name
28°55'51.172"N	90°44'55.760"W	Platform	PI 11 #2
28°56'44.342"N	90°44'40.069"W	Platform	PL 10 – no visible name
28°56'20.556"N	90°44'33.758"W	Platform	PL 11 – OCS-G-0071
28°56'23.979"N	90°44'27.355"W	Platform	PL 11 #24
28°56'25.121"N	90°44'33.578"W	Platform	PL 11 #23
28°56'42.553"N	90°45'37.656"W	Platform	SS 68 – no visible name
28°56'53.269"N	90°46'30.420"W	Platform	SS 68 G810
28°58'18.541"N	90°45'34.785"W	Platform	SS 68 OESP-2917
28°58'56.959"N	90°44'29.879"W	Platform	PL 01 A
28°58'26.449"N	90°43'56.771"W	Platform	PL 10 – no visible name
28°57'16.311"N	90°44'45.442"W	Platform	PL 10 – no visible name
28°53'40.379"N	90°41'52.380"W	Platform	PL 19 B
28°53'55.750"N	90°41'54.448"W	Platform	PL 19 – no visible name
28°54'05.694"N	90°41'43.405"W	Platform	PL 12 – no visible name
28°54'03.595"N	90°41'28.394"W	Platform	PL 12 – no visible name
28°55'49.642"N	90°42'42.310"W	Platform	PL 11 A
28°55'52.753"N	90°42'17.157"W	Platform	PL 11 #20
28°56'45.962"N	90°42'17.411"W	Platform	PL 10 – #29-25
28°56'52.857"N	90°43'24.013"W	Platform	PL 10 G
28°57'43.705"N	90°43'03.460"W	Platform	PL 10 – no visible name
28°57'30.374"N	90°42'35.527"W	Platform	PL 10 – no visible name
28°55'52.098"N	90°41'25.137"W	Platform	PL 12 A
28°55'57.261"N	90°41'16.497"W	Platform	PL 12 F
28°56'12.758"N	90°41'30.576"W	Platform	PL 12 #37
28°56'15.918"N	90°42'00.464"W	Platform	PL 12 #22
28°56'27.675"N	90°42'08.072"W	Platform	PL 11 #17
28°56'27.968"N	90°41'59.878"W	Platform	PL 09 #6
28°56'29.330"N	90°41'21.841"W	Platform	PL 09 #7
28°56'34.836"N	90°42'39.283"W	Platform	No Name

The position of the following charted structures should be updated to reflect the surveyed position. *Concur with clarification. See Appendix II – DR Charted.*

Surveyed Position			
Latitude	Longitude	Structure Type	Structure Name
28°55'08.806"N	90°46'27.595"W	Platform	SS 91 B

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28°56'35.791"N	90°44'13.146"W	Platform	PL 10 #29
28°58'40.786"N	90°44'26.397"W	Platform	PL 10 #20
28°58'46.782"N	90°43'45.899"W	Platform	PL 10 #26
28°54'23.807"N	90°43'32.635"W	Platform	PL 11 #15
28°55'28.192"N	90°42'37.361"W	Platform	PL 11 #7
28°56'28.668"N	90°43'13.742"W	Platform	PL 11 #25

The following uncharted structures were found during survey operations.
Concur. See Appendix II – DR Uncharted.

Surveyed Position			
Latitude	Longitude	Structure Type	Structure Name
28°56'30.702"N	90°44'14.838"W	Platform	PL 10 #22
28°58'29.074"N	90°47'12.747"W	Platform	SS 68 – no visible name
28°59'06.915"N	90°47'38.320"W	Platform	SS 68 – no visible name
28°56'16.929"N	90°41'16.899"W	Platform	PL 12 #31
28°56'16.927"N	90°41'16.826"W	Platform	PL 12 #24*
28°55'26.043"N	90°43'50.474"W	Platform	PL 11 #30

****This platform is charted in a slightly different position than surveyed. Recommend to remove the charted platform and add a platform to the chart in the surveyed position.***

One Jack-up” rig was found at the location of a charted platform. This rig is temporary and should be removed from the chart. The rig is located at 28°53'34.457"N, 90°47'45.303"W. ***Concur with clarification. See Appendix II – DR Charted, Feature 1.1.***

The following is a list of structures that are currently charted, but were no longer present at the time of the survey. ***Concur with clarification. See Appendix II for complete charting recommendations for disproved platforms. The exceptions which are marked with an asterisk are as follows.***

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**Platform has been deleted from the chart and does not exist in H12068 data.
No charting action is required.*

Charted Position	
Latitude	Longitude
28°53'34.457"N	90°47'45.303"W
28°58'19.126"N	90°46'28.287"W
28°53'28.310"N	90°43'31.529"W
28°53'37.803"N	90°41'10.049"W
28°53'51.998"N	90°41'17.726"W
28°53'55.922"N	90°41'07.427"W
28°53'56.978"N	90°41'17.727"W
28°54'03.437"N	90°41'18.472"W
28°53'39.357"N	90°41'44.893"W
28°53'49.131"N	90°42'27.723"W*
28°53'53.096"N	90°42'18.850"W*
28°53'47.384"N	90°42'19.432"W*
28°53'50.330"N	90°42'15.601"W*
28°53'45.812"N	90°42'15.587"W*
28°53'52.243"N	90°42'10.082"W
28°53'54.483"N	90°41'48.435"W
28°54'07.313"N	90°41'55.493"W
28°54'08.717"N	90°41'48.641"W
28°54'03.944"N	90°41'41.349"W
28°54'03.108"N	90°41'36.948"W
28°55'34.286"N	90°42'47.227"W
28°55'18.163"N	90°41'40.652"W
28°56'34.299"N	90°42'39.582"W**
28°56'45.382"N	90°42'39.012"W
28°56'56.478"N	90°41'16.732"W
28°56'14.890"N	90°41'15.429"W
28°56'15.082"N	90°41'22.226"W
28°56'16.002"N	90°41'27.285"W
28°56'16.008"N	90°41'36.496"W
28°55'54.075"N	90°41'37.757"W
28°56'01.559"N	90°41'37.161"W
28°56'03.923"N	90°41'24.884"W
28°55'58.536"N	90°41'24.229"W
28°56'14.078"N	90°41'58.053"W
28°56'08.345"N	90°41'59.473"W
28°56'11.216"N	90°41'52.782"W



28°56'16.457"N	90°41'47.494"W
28°56'30.695"N	90°41'21.039"W
28°53'12.226"N	90°46'21.341"W
28°52'08.123"N	90°47'43.245"W
28-53-57.1157N	90-41-56.9508W
28-56-40.5017N	90-45-38.1924W

*****Do not concur. See Appendix II – DR Charted, Feature 1.25.***

D.2.4 OTHER PERTINENT INFORMATION

Draft corrections are verified on a daily basis, and entered into the multibeam collection software to be applied in real-time. Draft was entered directly into the single beam. ***Concur.***

Four separate BASE surfaces were created for this project, one for each subarea. All four BASE surfaces were created at 2-meter resolution. ***Concur.***

All of the side scan data collected for this project has been layback corrected. Data should be imported into Caris using fish position and zero layback correction. ***Do not concur. During conversion it was necessary to perform the layback correction.***

S57 feature files for oil and gas infrastructure, bottom samples, obstructions, and wrecks have been submitted in a Caris Notebook project. ***Concur.***

All TPE values were calculated using the following settings. ***Concur.***

Descriptive Report to Accompany Hydrographic Survey H12068



Compute TPE

Survey specific parameters

Tide values: Measured 0.33 ft Zoning 0.33 ft

Sound Speed values: Measured 0.01 m/s Surface 0.01 m/s

☐ Sweep specific parameters

Peak to Peak Heave: 0 ft

Max Roll: 0 deg

Max Pitch: 0 deg

Compute Cancel Help



LETTER OF APPROVAL

REGISTRY NUMBER H12068

This report and the accompanying smooth sheet are respectfully submitted.

Field operations contributing to the accomplishment of the survey H12068 were conducted under my direct supervision with frequent personal checks of progress and adequacy. This report and CARIS project have been closely reviewed and are considered complete and adequate as per the Statement of Work.

This report is accompanied by the Data Acquisition and Processing Report for project OPR-K354-KR-09.

A handwritten signature in black ink, appearing to read 'JB' or 'John Baker'.

John Baker
Chief of Party
C&C Technologies
April 2010

APPENDIX I

DANGER TO NAVIGATION REPORTS



No Danger to Navigation Reports were issued.

H12068 DR Appendix II - Survey Feature Report

Registry Number: H12068
State: Louisiana
Locality: Gulf of Mexico
Sub-locality: Entrance to Lake Pelto
Project Number: OPR-K354-KR-09
Survey Dates: 01/01/1981 - 06/23/2011

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11357	41st	05/01/2011	1:80,000 (11357_1)	USCG LNM: 5/24/2011 (5/31/2011) NGA NTM: 10/16/2010 (6/4/2011)
11340	73rd	08/01/2008	1:458,596 (11340_1)	[L]NTM: ?
1116A	73rd	08/01/2008	1:458,596 (1116A_1)	[L]NTM: ?
411	52nd	09/01/2007	1:2,160,000 (411_1)	[L]NTM: ?

* Correction(s) - source: last correction applied (last correction reviewed--"cleared date")

Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	Retain OFSPLF	GP	[None]	28° 53' 32.5" N	090° 47' 44.9" W	---
1.2	Charted Platform - Updated Position	GP	[None]	28° 53' 40.4" N	090° 41' 52.4" W	---
1.3	Charted Platform - Updated Position	GP	[None]	28° 53' 55.7" N	090° 41' 54.4" W	---
1.4	Charted Platform - Updated Position	GP	[None]	28° 54' 03.6" N	090° 41' 28.4" W	---
1.5	Charted Platform - Updated Position	GP	[None]	28° 54' 05.7" N	090° 41' 43.4" W	---
1.6	Charted Platform - Updated Position	GP	[None]	28° 54' 23.8" N	090° 43' 32.6" W	---
1.7	Charted Platform - Updated Position	GP	[None]	28° 55' 08.8" N	090° 46' 27.6" W	---
1.8	Charted Platform - Updated Position	GP	[None]	28° 55' 28.2" N	090° 42' 37.4" W	---
1.9	BOYLAT	GP	[None]	28° 55' 43.4" N	090° 41' 33.3" W	---
1.10	Charted Platform - Updated Position	GP	[None]	28° 55' 49.6" N	090° 42' 42.3" W	---
1.11	Charted Platform - Updated Position	GP	[None]	28° 55' 51.2" N	090° 44' 55.8" W	---
1.12	Charted Platform - Updated Position	GP	[None]	28° 55' 52.1" N	090° 41' 25.1" W	---
1.13	Charted Platform - Updated Position	GP	[None]	28° 55' 52.8" N	090° 42' 17.2" W	---

1.14	Charted Platform - Updated Position	GP	[None]	28° 55' 57.3" N	090° 41' 16.5" W	---
1.15	Charted Platform - Updated Position	GP	[None]	28° 56' 12.8" N	090° 41' 30.6" W	---
1.16	Charted Platform - Updated Position	GP	[None]	28° 56' 15.9" N	090° 42' 00.5" W	---
1.17	Charted Platform - Updated Position	GP	[None]	28° 56' 16.9" N	090° 41' 16.8" W	---
1.18	Charted Platform - Updated Position	GP	[None]	28° 56' 20.6" N	090° 44' 33.8" W	---
1.19	Charted Platform - Updated Position	GP	[None]	28° 56' 24.0" N	090° 44' 27.4" W	---
1.20	Charted Platform - Updated Position	GP	[None]	28° 56' 25.1" N	090° 44' 33.6" W	---
1.21	Charted Platform - Updated Position	GP	[None]	28° 56' 27.7" N	090° 42' 08.1" W	---
1.22	Charted Platform - Updated Position	GP	[None]	28° 56' 28.0" N	090° 41' 59.9" W	---
1.23	Charted Platform - Updated Position	GP	[None]	28° 56' 28.7" N	090° 43' 13.7" W	---
1.24	Charted Platform - Updated Position	GP	[None]	28° 56' 29.3" N	090° 41' 21.8" W	---
1.25	Charted Platform - Updated Position	GP	[None]	28° 56' 34.9" N	090° 42' 40.6" W	---
1.26	Charted Platform - Updated Position	GP	[None]	28° 56' 35.8" N	090° 44' 13.1" W	---
1.27	Charted Platform - Updated Position	GP	[None]	28° 56' 42.6" N	090° 45' 37.7" W	---
1.28	Charted Platform - Updated Position	GP	[None]	28° 56' 44.3" N	090° 44' 40.1" W	---
1.29	Charted Platform - Updated Position	GP	[None]	28° 56' 46.0" N	090° 42' 17.4" W	---
1.30	Charted Platform - Updated Position	GP	[None]	28° 56' 52.9" N	090° 43' 24.0" W	---
1.31	Charted Platform - Updated Position	GP	[None]	28° 56' 53.3" N	090° 46' 30.4" W	---
1.32	Charted Platform - Updated Position	GP	[None]	28° 57' 16.3" N	090° 44' 45.4" W	---
1.33	Charted Platform - Updated Position	GP	[None]	28° 57' 30.4" N	090° 42' 35.5" W	---
1.34	Charted Platform - Updated Position	GP	[None]	28° 57' 43.7" N	090° 43' 03.5" W	---
1.35	Charted Platform - Updated Position	GP	[None]	28° 58' 18.5" N	090° 45' 34.8" W	---
1.36	Charted Platform - Updated Position	GP	[None]	28° 58' 26.5" N	090° 43' 56.8" W	---
1.37	Charted Platform - Updated Position	GP	[None]	28° 58' 40.8" N	090° 44' 26.4" W	---
1.38	Charted Platform - Updated Position	GP	[None]	28° 58' 46.8" N	090° 43' 45.9" W	---
1.39	Charted Platform - Updated Position	GP	[None]	28° 58' 57.0" N	090° 44' 29.9" W	---
1.40	Well - OBSTRN	GP	[None]	28° 56' 14.6" N	090° 42' 02.8" W	---
2.1	Uncharted Platform	GP	[None]	28° 55' 26.0" N	090° 43' 50.5" W	---
2.2	Uncharted Platform	GP	[None]	28° 56' 16.9" N	090° 41' 16.9" W	---
2.3	Uncharted Platform	GP	[None]	28° 56' 30.7" N	090° 44' 14.8" W	---
2.4	Uncharted Platform	GP	[None]	28° 58' 29.1" N	090° 47' 12.7" W	---
2.5	Uncharted Platform	GP	[None]	28° 59' 06.9" N	090° 47' 38.3" W	---
3.1	OBSTRN - AWOIS 9520	GP	[None]	28° 53' 05.0" N	090° 42' 50.8" W	---
3.2	WRECKS - AWOIS 14564	GP	[None]	28° 53' 07.0" N	090° 47' 01.0" W	---
3.3	OBSTRN - AWOIS 14565	GP	[None]	28° 53' 11.0" N	090° 46' 22.0" W	---
3.4	WRECKS - AWOIS 14328	GP	[None]	28° 55' 41.1" N	090° 41' 33.6" W	---

3.5	OBSTRN - AWOIS 14567	GP	[None]	28° 59' 22.7" N	090° 42' 54.2" W	---
3.6	OBSTRN -AWOIS 14566	Obstruction	[None]	28° 56' 27.0" N	090° 41' 33.0" W	---

1 - DR_Charted

1.1) Retain OFSPLF

Survey Summary

Survey Position: 28° 53' 32.5" N, 090° 47' 44.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058700001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Disproved by 200% side scan.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058700001	0.00	000.0	Primary

Hydrographer Recommendations

Disproved.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Remove OFSPLF.

Office Notes

Do not concur. Structure observed in survey data. Temporary rig could have been developing the site for platform installation at the location of the charted platform. Recommend retaining platform as charted and defer final charting disposition to MCD's Update Services Branch.

1.2) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 53' 40.4" N, 090° 41' 52.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058370001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058370001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 19 B
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.3) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 53' 55.7" N, 090° 41' 54.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020582C0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020582C0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 19 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.4) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 54' 03.6" N, 090° 41' 28.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058200001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058200001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 12 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.5) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 54' 05.7" N, 090° 41' 43.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020581E0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020581E0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 12 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.6) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 54' 23.8" N, 090° 43' 32.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020581F0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020581F0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 #15
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.7) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 55' 08.8" N, 090° 46' 27.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020582A0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020582A0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - SS 91 B
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.8) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 55' 28.2" N, 090° 42' 37.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020583E0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020583E0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 #7
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.9) BOYLAT

Survey Summary

Survey Position: 28° 55' 43.4" N, 090° 41' 33.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058140001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058140001	0.00	000.0	Primary

Hydrographer Recommendations

This buoy is found on charts 11357 and 11340 at the same position as the charted submerged wreck. Buoy was not found at the present time of survey. Recommend to delete from chart.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Remove BOYLAT.

Office Notes

Concur. Delete BOYLAT at charted position.

1.10) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 55' 49.6" N, 090° 42' 42.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058380001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058380001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 A
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.11) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 55' 51.2" N, 090° 44' 55.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058310001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058310001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PI 11 #2
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.12) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 55' 52.1" N, 090° 41' 25.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058320001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058320001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 12 A
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.13) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 55' 52.8" N, 090° 42' 17.2" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058150001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058150001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 #20
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.14) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 55' 57.3" N, 090° 41' 16.5" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058250001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058250001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 12 F
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.15) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 12.8" N, 090° 41' 30.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058350001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058350001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 12 #37
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.16) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 15.9" N, 090° 42' 00.5" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020583B0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020583B0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 12 #22
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.17) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 16.9" N, 090° 41' 16.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058330001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058330001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 12 #24
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.18) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 20.6" N, 090° 44' 33.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058190001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058190001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 OCS-G-0071
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.19) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 24.0" N, 090° 44' 27.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020583A0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020583A0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 #24
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.20) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 25.1" N, 090° 44' 33.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058340001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058340001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 #23
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.21) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 27.7" N, 090° 42' 08.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020583C0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020583C0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 #17
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.22) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 28.0" N, 090° 41' 59.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058290001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058290001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 09 #6
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.23) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 28.7" N, 090° 43' 13.7" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058160001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058160001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 #25
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.24) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 29.3" N, 090° 41' 21.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020583D0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020583D0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 09 #7
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.25) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 34.9" N, 090° 42' 40.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058BB0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Platform found in the side scan sonar close to the charted position. Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058BB0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: NINFOM - Add OFSPLF.
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur. Remove charted platform and add platform at current survey position 28-56-34.8677N, 90-42-40.5839W.

1.26) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 35.8" N, 090° 44' 13.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020582B0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020582B0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 #29
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.27) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 42.6" N, 090° 45' 37.7" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058360001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058360001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - SS 68 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.28) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 44.3" N, 090° 44' 40.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058230001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058230001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.29) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 46.0" N, 090° 42' 17.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058300001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058300001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 #29-25
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.30) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 52.9" N, 090° 43' 24.0" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058210001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058210001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 G
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.31) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 56' 53.3" N, 090° 46' 30.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058270001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058270001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - SS 68 G810
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.32) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 57' 16.3" N, 090° 44' 45.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020581C0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020581C0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.33) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 57' 30.4" N, 090° 42' 35.5" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058240001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058240001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.34) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 57' 43.7" N, 090° 43' 03.5" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058170001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058170001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.35) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 58' 18.5" N, 090° 45' 34.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058280001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058280001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - SS 68 OESP-2917
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.36) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 58' 26.5" N, 090° 43' 56.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020581B0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020581B0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.37) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 58' 40.8" N, 090° 44' 26.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020582D0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020582D0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 #20
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.38) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 58' 46.8" N, 090° 43' 45.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020581D0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020581D0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 #26
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.39) Charted Platform - Updated Position

Survey Summary

Survey Position: 28° 58' 57.0" N, 090° 44' 29.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020581A0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Updated position of charted platform.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020581A0001	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted platform and add platform in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 01 A
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur.

1.40) Well - OBSTRN**Survey Summary**

Survey Position: 28° 56' 14.6" N, 090° 42' 02.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2011-174.16:44:26 (06/23/2011)
GP Dataset: ChartGPs - Digitized
GP No.: 1
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058130001	0.00	000.0	Primary
ChartGPs - Digitized	1	-1.00	000.0	Secondary (grouped)

Hydrographer Recommendations

This well is charted on raster 11357. This has been disproved.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)

Office Notes

Concur. Delete charted Obstruction at charted position.

2 - DR_UnCharted

2.1) Uncharted Platform

Survey Summary

Survey Position: 28° 55' 26.0" N, 090° 43' 50.5" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058260001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Uncharted platform found during survey operations.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058260001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform to the chart in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 11 #30
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur. Add offshore platform at current survey position.

2.2) Uncharted Platform

Survey Summary

Survey Position: 28° 56' 16.9" N, 090° 41' 16.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058390001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Uncharted platform found during survey operations.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058390001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform to the chart in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 12 #31
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur. Add offshore platform at current survey position.

2.3) Uncharted Platform

Survey Summary

Survey Position: 28° 56' 30.7" N, 090° 44' 14.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 02260020582E0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Uncharted platform found during survey operations.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	02260020582E0001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform to the chart in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - PL 10 #22
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur. Add offshore platform at current survey position.

2.4) Uncharted Platform

Survey Summary

Survey Position: 28° 58' 29.1" N, 090° 47' 12.7" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058220001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Uncharted platform found during survey operations.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058220001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform to the chart in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - SS 68 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur. Add offshore platform at current survey position.

2.5) Uncharted Platform

Survey Summary

Survey Position: 28° 59' 06.9" N, 090° 47' 38.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-101.00:00:00.000 (04/11/2010)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058180001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

Uncharted platform found during survey operations.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058180001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform to the chart in the surveyed position.

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 2:production platform
 NINFOM - Add OFSPLF.
 OBJNAM - SS 68 no visible name
 SORDAT - 20100411
 SORIND - US,US,graph,H12068

Office Notes

Concur. Add offshore platform at current survey position.

3 - AWOIS_DR

3.1) OBSTRN - AWOIS 9520

Survey Summary

Survey Position: 28° 53' 05.0" N, 090° 42' 50.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058940001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058940001	0.00	000.0	Primary

Hydrographer Recommendations

Item is AWOIS Item # 9520, 38 foot Obstruction PA on charts 11357 and 11340. No evidence found during this survey. Recommend to remove from survey.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Remove OBSTRN.

Office Notes

Concur with clarification. Feature is AOWIS Item # 9520. Delete charted dangerous obstruction, least depth 38 ft. Chart dangerous obstruction, least depth 38 ft at survey position.

3.2) WRECKS - AWOIS 14564

Survey Summary

Survey Position: 28° 53' 07.0" N, 090° 47' 01.0" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 022600200E090001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

This record is described as a sunk jack up rig (2009) and more recently as unknown. It has been disproved.
\$CSYMB/remrks: Disproved by 200% SSS.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	022600200E090001	0.00	000.0	Primary

Hydrographer Recommendations

Item is AWOIS 14564, charted wreck PA at position 28-53-07.00N Latitude, 090-47-01.00W Longitude. This AWOIS item is described as unknown and found on charts 11357 and 11340 as Wreck PA. No evidence of this item was found during the survey. Recommend to remove from the chart.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Remove WRECK PA.

Office Notes

Concur. Feature is AWOIS Item # 14564. Delete charted Wreck PA at charted position.

3.3) OBSTRN - AWOIS 14565

Survey Summary

Survey Position: 28° 53' 11.0" N, 090° 46' 22.0" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 022600200E0A0001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	022600200E0A0001	0.00	000.0	Primary

Hydrographer Recommendations

No evidence of charted feature. Recommended to remove from chart. Position was taken from the chart and is approximate.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Remove OBSTRN PA.

Office Notes

Concur. Feature is AWOIS Item # 14565. Delete charted dangerous Obstruction PA in charted position.

3.4) WRECKS - AWOIS 14328

Survey Summary

Survey Position: 28° 55' 41.1" N, 090° 41' 33.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 0226002058950001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	0226002058950001	0.00	000.0	Primary

Hydrographer Recommendations

This AWOIS item is described as the sunken wreck H. G. Newbury, and is also found on charts 11357 and 11340 as a submerged wreck PA. Found during survey operations with a least depth of 26.316 ft and position of 28-55-43.821N Latitude, 090-41-33.02W Longitude. Recommended to remain on chart.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Remove WRECKS PA.

Office Notes

Concur with clarification. Feature is AWOIS Item #14328. Delete charted dangerous wreck "PA", least depth unknown. Chart dangerous wreck, least depth 26 ft at the survey position. The private lighted buoy currently charted at the site of the wreck has been disproved by this survey, see Appendix II feature 1.9 for complete charting recommendation.

3.5) OBSTRN - AWOIS 14567

Survey Summary

Survey Position: 28° 59' 22.7" N, 090° 42' 54.2" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
GP Dataset: AHB_H12068 / SAR / SAR AHB HOB Files / H12068_Features_AHB.000
GP No.: 022600200E080001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

This AWOIS item is described as an unmanned, unlighted oil rig (2009), and is also found on charts 11357 and 11340 as an obstruction PA. No evidence of this item was found during the survey.

Feature Correlation

Address	Feature	Range	Azimuth	Status
AHB_H12068/SAR/SAR AHB HOB Files/H12068_Features_AHB.000	022600200E080001	0.00	000.0	Primary

Hydrographer Recommendations

Disproved. Recommend to remove OBSTRN PA from chart.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Remove OBSTRN PA.

Office Notes

Concur. Feature is an AWOIS Item #14567. Delete charted dangerous OBSTRN "PA" at charted position.

3.6) OBSTRN -AWOIS 14566

Survey Summary

Survey Position: 28° 56' 27.0" N, 090° 41' 33.0" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 1981-001.01:01:01.001 (01/01/1981)
GP Dataset: 22 / S-57 Exports / H15981 / H15981.000
GP No.: 0226000007330001
Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

This item was disproved by 200% side scan.

Feature Correlation

Address	Feature	Range	Azimuth	Status
22/S-57 Exports/H15981/H15981.000	0226000007330001	0.00	000.0	Primary

Hydrographer Recommendations

Recommend to remove from all charts.

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: NINFOM - 1
 QUASOU - 1:depth known
 SORDAT - 1
 SORIND - 1
 WATLEV - 1:partly submerged at high water

Office Notes

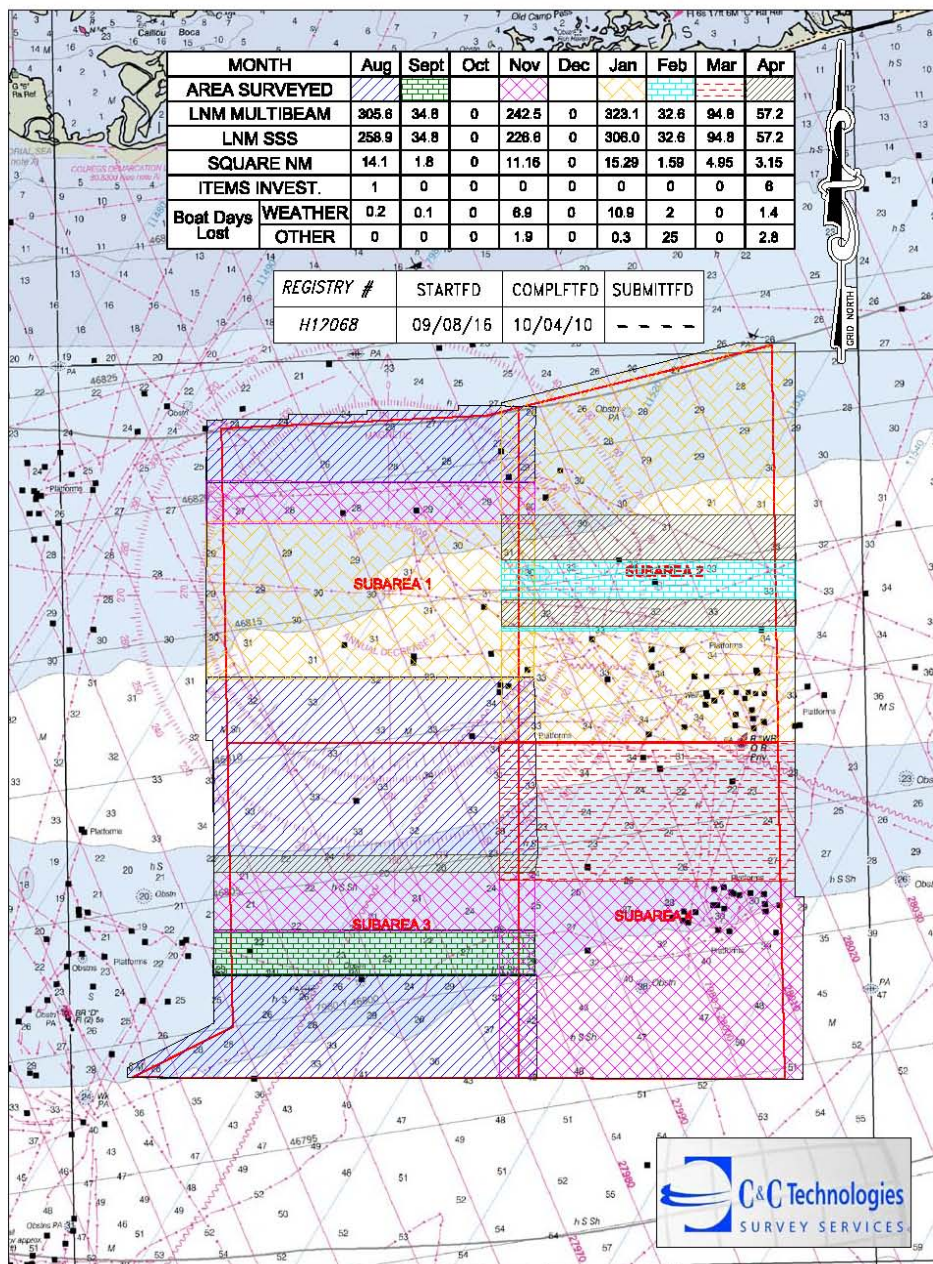
Concur. This is AWOIS Item #14566 and is described as an Obstruction. It is not currently charted on raster chart 11357. Delete from ENC US4LA31M and no charting action required for raster.

APPENDIX III

FINAL PROGRESS SKETCH AND SURVEY OUTLINE

A shapefile of the final survey outline for Sheet G (H12068) has been included in the DR folder inside the H12068_Report_Deliverables directory

OPR-K354-KR-09 H12068 Progress Sketch (Sheet G)



APPENDIX IV

TIDES AND WATER LEVELS

The tidal data applied to all multibeam echo sounder data was downloaded from the following website:

http://tidesandcurrents.noaa.gov/station_retrieve.shtml?type=Historic%20Tide%20Data&state=Louisiana&id1=876

ABSTRACT OF TIMES OF HYDROGRAPHY

Project: OPR-K354-KR-09
Contractor Name: C & C Technologies, Inc.
Inclusive Dates: **August 16th, 2009 - April 11th, 2010**
Registry No.: H12068 (Sheet G)
Date: April 2010
Sheet Letter: G
Field Work is Complete
Time (UTC)

Date	Julian Day	Start	End	Year
8/16/2009	228	0612	2400	2009
8/17/2009	229	0000	2400	2009
8/18/2009	230	0000	2400	2009
8/19/2009	231	0000	0900	2009
9/4/2009	247	1217	2304	2009
9/9/2009	264	1700	2400	2009
9/10/2009	265	0000	0705	2009
9/15/2009	319	0717	2400	2009
9/16/2009	320	0000	2400	2009
9/17/2009	321	0000	0400	2009
9/18/2009	322	1924	2400	2009
9/19/2009	323	2400	1925	2009
9/23/2009	327	2305	2400	2009
9/24/2009	328	0000	1312	2009
9/27/2009	331	2240	2400	2009
9/28/2009	332	0000	2400	2009
9/29/2009	333	0000	0022	2009
1/3/2010	003	0000	2340	2010
1/4/2010	004	0400	2400	2010
1/5/2010	005	0000	0115	2010
1/5/2010	005	1856	2400	2010
1/6/2010	006	0000	2400	2010
1/7/2010	007	0000	0800	2010
1/23/2010	023	0255	1620	2010
1/25/2010	025	1350	2400	2010
1/26/2010	026	0000	2400	2010
1/27/2010	027	0000	2224	2010
2/22/2010	053	2113	2400	2010
2/23/2010	054	0000	0740	2010
3/4/2010	063	1800	2400	2010
3/5/2010	064	0000	1353	2010
4/5/2010	095	1334	2400	2010
4/6/2010	096	0000	2400	2010
4/7/2010	097	0000	1700	2010
4/8/2010	098	0130	2400	2010
4/9/2010	099	0000	2400	2010
4/10/2010	100	0000	2400	2010
4/11/2010	101	0000	0120	2010

APPENDIX V

**SUPPLEMENTAL SURVEY RECORDS
AND CORRESPONDANCE**



There are no supplemental survey records or correspondence accompanying this report.

AHB COMPILATION LOG

General Survey Information	
REGISTRY No.	H12068
PROJECT No.	OPR-K354-KR-09
FIELD UNIT	C & C TECHNOLOGIES
DATE OF SURVEY	20090816 - 20100411
LARGEST SCALE CHART	<i>11357_1, edition 41, 20110501, 1:80,000</i>
ADDITIONAL CHARTS	N/A
SOUNDING UNITS	FEET
COMPILER	Dinah Olivia Morris

Source Grids	File Name H:\Compilation\H12068_K354_CC\AHB_H12068\SAR Final Products\GRIDS
	H12068_Sub1_2m_Final.csar H12068_Sub2_2m_Final.csar H12068_Sub3_2m_Final.csar H12068_Sub4_2m_Final.csar Inv_1_50cm_Final.csar Inv_2_50cm_Final.csar
Surfaces	File Name H:\Compilation\H12068_K354_CC\AHB_H12068\COMPILE\Working
<i>Combined</i>	H12068_4m_Combined.csar
<i>Point Cloud</i>	\Point Cloud\H12068_SS_Soundings_PTCloud.csar \Point Cloud\H12068_CS_Soundings_PTCloud.csar
<i>Interpolated TIN</i>	\Interpolated TIN\H12068_12m_InterpTIN.csar
<i>Shifted Interpolated TIN</i>	\Shifted Surface\H12068_12m_InterpTIN_Shifted.csar
Final HOBs	File Name H:\Compilation\H12068_K354_CC\AHB_H12068\COMPILE\Final_Hobs
<i>Survey Scale Soundings</i>	H12068_SS_Soundings.hob
<i>Chart Scale Soundings</i>	H12068_CS_Soundings.hob
<i>Contour Layer</i>	H12068_Contours.hob
<i>Feature Layer</i>	H12068_Features.hob
<i>Meta-Objects Layer</i>	H12068_MetaObjects.hob
<i>Blue Notes</i>	H12068_BlueNotes.hob
<i>ENC Retain Soundings</i>	H12068_ENC_Retain_Soundings.hob

Meta-Objects Attribution	
Acronym	Value
M_COVR	
CATCOV	1 – coverage available
SORDAT	20100411
SORIND	US,US_graph,H12068
M_QUAL	
CATZOC	6 – zone of confidence U (data not assessed)
INFORM	<i>M/V Inez McCall and M/V Andrew Charles</i>
POSACC	10.0 m
SORDAT	20100411
SORIND	US,US_graph,H12068
SUREND	20100411
SURSTA	20090816

DEPARE	
DRVALV 1	21.36 ft
DRVALV2	55.15 ft
SORDAT	20100411
SORIND	US,US,graph,H12068
M_CSCL	
CSCALE	
SORDAT	
SORIND	

SPECIFICATIONS:

- I. COMBINED SURFACE:
 - a. Number of SAR Final Grids: 6
 - b. Resolution of Combined (m): 4 m

- II. SURVEY SCALE SOUNDINGS (SS):
 - a. Attribute Name: Depth
 - b. Selection criteria: Radius, Shoal bias
 - c. Radius value is: mm at map scale
 - i. Use single-defined radius: N/A
 - ii. And/Or use radius table file: H12068_SS_SSR_80k.txt

- d. Queried Depth of All Soundings
 - i. Minimum: 21.37 ft
 - ii. Maximum: 54.45 ft

- III. INTERPOLATED TIN SURFACE:
 - a. Resolution (m): 12 m
 - b. Interpolation method: Natural Neighbor
 - c. Shift value: -0.75 ft

- IV. CONTOURS:
 - a. Attribute Name: Depth
 - b. Use a Depth List: H12068_depth_contours.txt
 - c. Output Options: Create contour lines
 - i. Line Object: DEPCNT
 - ii. Value Attribute: VALDCO

- V. FEATURES:
 - a. Number of Chart Features: 44
 - b. Number of Non-Chart Features: 0

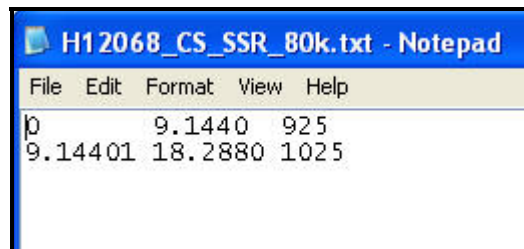
- VI. CHART SURVEY SOUNDINGS (CS):
 - a. Number of ENC CS Soundings: 173
 - b. Attribute Name: Depth
 - c. Selection criteria: Radius, Shoal bias



H12068_SS_SSR_80k.txt - Notepad		
File	Edit	Format View Help
0	9.1440	.9
9.14401	27.4320	1.0

This Document is for Office Process use only and is intended to supplement, not supersede or replace, information/recommendations in the Descriptive or H-Cell Reports.

- d. Radius value is: Distance on the ground (m)
- i. Use single-defined radius: N/A
 - ii. And/Or use radius table file: H12068_CS_SSR_80k.txt



- iii. Enable Filter: Interpolated !=1
- e. Number Survey CS Soundings: 179

VII. NOTES:

**ATLANTIC HYDROGRAPHIC BRANCH
H-CELL REPORT to ACCOMPANY
SURVEY H12068 (2010)**

This H-Cell Report has been written to supplement and/or clarify the original Descriptive Report (DR) and pass critical compilation information to the cartographers in the Marine Chart Division. Sections in this report refer to the corresponding sections of the Descriptive Report.

B. DATA ACQUISITION AND PROCESSING

B.2 QUALITY CONTROL

The AHB source depth grids for the survey's nautical chart update were two 0.5m and four 2m resolution BASE surfaces (*.CSAR), which were combined at 4m resolution. The survey scale soundings were created from the combined surface using a sounding spacing range (SSR) file (all SSR values included in the AHB Compilation Log section of this Descriptive Report). The survey scale soundings were imported into a "point cloud" grid. The chart scale soundings were derived directly from the survey scale soundings point cloud grid using an SSR file, therefore, preserving absolute continuity between the charted depths, the survey scale soundings, and the original source grid. The surface model was referenced when selecting the chart scale soundings, to ensure that the selected soundings portray the bathymetry within the common area.

A UTM projected TIN surface was created from the survey scale soundings point cloud grid, from which an interpolated surface of 12m resolution was generated. The interpolated TIN surface of 12m resolution was shifted by the NOAA sounding rounding value of -0.75 feet. The shifted interpolated TIN was used to generate depth contours in feet (30 feet). The depth contours are forwarded to MCD for reference only. The contours were utilized during chart scale sounding selection and quality assurance efforts at AHB. The depth contours are incorporated into the SS H-Cell product as per 2009 H-Cell Specifications.

The compilation products (Final *.HOB files) for this survey are detailed in the H12068 AHB Compilation Log contained within this document. The Final HOB files include depth areas (DEPARE), depth contours (DEPCNT), soundings (SOUNDG), meta-objects (M_COVR, M_QUAL), cartographic Blue Notes (\$CSYMB), and features (WRECKS, OBSTRN, SBDARE and OFSPLF).

As dictated by Hydrographic Technical Directive 2008-8, the Final HOB files were combined into two separate H-Cell files in S-57 format. Both S-57 files were exported from CARIS Bathy DataBase in meters, and then converted from metric units into feet using CARIS S-57 Composer 2.2. Quality assurance and topology checks were conducted using CARIS S-57 Composer 2.2 and DKART Inspector 5.1 validation tests.

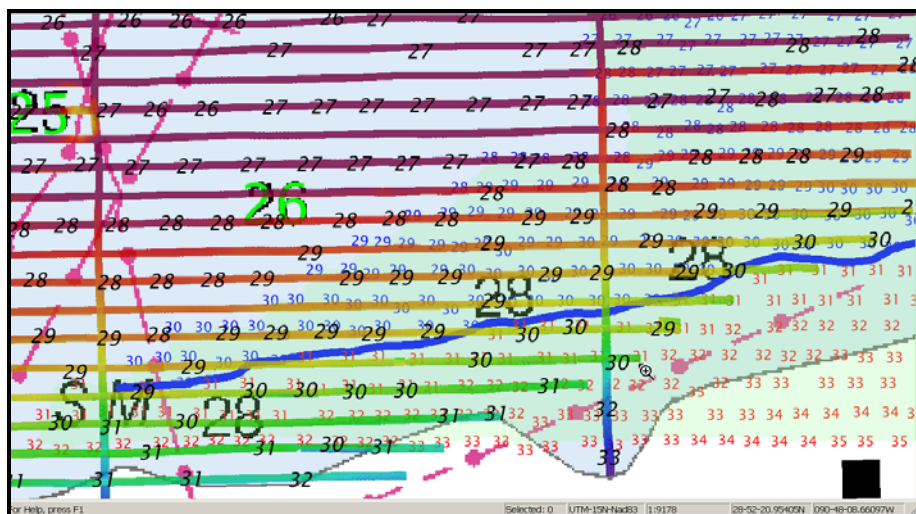
The final H-Cell products are two S-57 files, in Lat/Long NAD-83. The contents of these two H-Cell deliverables are listed in the table below:

TABLE 1 - Contents of H-Cell Files			
H12068_CS.000		Scale 1:80,000	
Object Class Types	Geographic	Cartographic	Meta
S-57 Object Acronyms	DEPARE	\$CSYMB	M_COVR
	OBSTRN		M_QUAL
	SBDARE		
	OFSPLF		
	WRECKS		
	SOUNDG		
H12068_SS.000		Scale 1:10,000	
Object Class Types	Geographic		
S-57 Object Acronyms	DEPCNT		
	SOUNDG		

B.2.4 Junctions and Prior Surveys

Survey H12068 (2010) junctions with surveys H12243 (2010) and H12247 (2010) to the west and surveys H12048 (2009) and H12054 (2009) to the east. Most present survey depths compare within 1 to 2 feet of junctioning survey depths to the north, east and west. Survey H12069 (2009) to the south was not available for junction analysis at the time of the compilation and has not yet been applied to the chart. Most present survey depths compare within 3 feet of the charted hydrography to the south.

An area in the southwestern area of the survey coverage has been revised after junction analysis with H12247 revealed depths that were more shoal than those found in H12068. The coverage area of H12068 has been revised not to include the overlapping shoal area.



B.4 DATA PROCESSING

The following software was used to process data at the Atlantic Hydrographic Branch:

CARIS Bathy DataBase version 3.2/HF1

CARIS HIPS/SIPS version 7.0/SP2/HF8

CARIS S-57 Composer version 2.2

DKART Inspector version 5.1

HSTP Pydro version 11.7

C. HORIZONTAL AND VERTICAL CONTROL

The hydrographer makes adequate mention of horizontal and vertical control used for this survey in section C of the DR. The sounding datum for this survey is Mean Lower Low Water (MLLW), and the vertical datum is Mean High Water (MHW). Horizontal control used for this survey during data acquisition is based upon the North American Datum of 1983 (NAD83), UTM projection zone 15 North.

D. RESULTS AND RECOMMENDATIONS

<u>D.1 CHART COMPARISON</u>	<u>11357 (41st Edition, MAY/11)</u>
	Timbalier and Terrebonne Bays
	Corrected through NM 7/9/2011
	Corrected through LNM 6/28/2011
	Scale 1:80,000

<u>ENC COMPARISON</u>	<u>US4LA31M</u>
	Timbalier and Terrebonne Bays
	Edition 23
	Application Date 2010/11/09
	Issue Date 2011/07/13
	Chart 11357

D.2 ADDITIONAL RESULTS

The charted hydrography originates with prior surveys and requires no further consideration. The hydrographer makes adequate chart comparisons in section D and Appendix I and II of the DR. The hydrographer recommends that any charted features not specifically addressed either in the H-Cell files or the Blue Notes should be retained as charted. The following exceptions are noted:

-
- The geological map displays several sedimentary units: clay (light green), silt/ooze (light blue), sand (light yellow), and clay/silt/ooze (light green). The map is overlaid with a grid of magnetic anomaly data, represented by numbers (e.g., 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 405, 410, 415, 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470, 475, 480, 485, 490, 495, 500, 505, 510, 515, 520, 525, 530, 535, 540, 545, 550, 555, 560, 565, 570, 575, 580, 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645, 650, 655, 660, 665, 670, 675, 680, 685, 690, 695, 700, 705, 710, 715, 720, 725, 730, 735, 740, 745, 750, 755, 760, 765, 770, 775, 780, 785, 790, 795, 800, 805, 810, 815, 820, 825, 830, 835, 840, 845, 850, 855, 860, 865, 870, 875, 880, 885, 890, 895, 900, 905, 910, 915, 920, 925, 930, 935, 940, 945, 950, 955, 960, 965, 970, 975, 980, 985, 990, 995, 1000). The map also shows various geological features, including faults, folds, and unconformities, indicated by different line styles and symbols. The map is titled 'Geological map of the study area' and includes a scale bar and a north arrow.

D.6 MISCELLANEOUS

Chart compilation was completed by Atlantic Hydrographic Branch personnel in Norfolk, Virginia. Compilation data will be forwarded to the Marine Chart Division in Silver Spring, Maryland. See section D.1 of this report for a list of the Raster Charts and Electronic Navigation Charts (ENC) used for compiling the present survey.

D.7 ADEQUACY OF SURVEY

The present survey is adequate to supersede the charted bathymetry within the common area. Any features not specifically addressed either in the H-Cell files or the Blue Notes should be retained as charted. Refer to section D and Appendix I and II of the DR for further recommendations by the hydrographer.

**APPROVAL SHEET
H12068**

Initial Approvals:

The completed survey has been inspected with regard to survey coverage, delineation of depth contours, disposition of critical depths, cartographic symbolization, and verification or disproval of charted data. All revisions and additions made to the H-Cell files during survey processing have been entered in the digital data for this survey. The survey records and digital data comply with National Ocean Service and Office of Coast Survey requirements except where noted in the Descriptive Report and the H-Cell Report.

All final products have undergone a comprehensive review per the Hydrographic Surveys Division Office Processing Manual and are verified to be accurate and complete except where noted.

Dinah Olivia Morris
Hydrographic Survey Intern
Atlantic Hydrographic Branch

I have reviewed the H-Cell files, accompanying data, and reports. This survey and accompanying Marine Chart Division deliverables meet National Ocean Service requirements and standards for products in support of nautical charting except where noted.

Approved: _____
CDR Richard T. Brennan, NOAA
Chief, Atlantic Hydrographic Branch