

H12245

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-KR10

Registry No. : H12245

LOCALITY

State: Louisiana

General Locality: Gulf of Mexico

Sublocality: 5 NM SW of Racoon Point

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: H12245
		FIELD NUMBER: Sheet 3
State: <u>Louisiana</u>		
General Locality: <u>Gulf of Mexico</u>		
Locality: <u>5 NM SW of Racoon Point</u>		
Scale: <u>1:10,000</u> Date of Survey: <u>June 2010 to August 2010</u>		
Instructions Dated: <u>May 2010</u> Project Number: <u>OPR-K354-KR-10</u>		
Vessels: <u>M/V 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>Atlantic Hydrographic Branch</u>		
Soundings in: Feet: _____ Fathoms: _____ Meters: <u>X</u> at MLW: _____ MLLW: <u>X</u>		
HCell Compilation Units: Feet at MLLW		
Remarks: Hydrographic Survey of Sheet 3 (H12245) <u>Data collection in meters, referenced to MLLW, later converted into feet</u> <u>200% side scan sonar, with concurrent multibeam coverage</u> <u>UTC time was used exclusively</u> UTM Zone 15N <u>Grab samples were not taken</u> <u>Tidal Zones: CGM 716, 717, 718, 732, 733, WGM 266, 414, 415, 416</u> <u>Tidal Station: 8762075 (Port Fourchon, LA)</u>		

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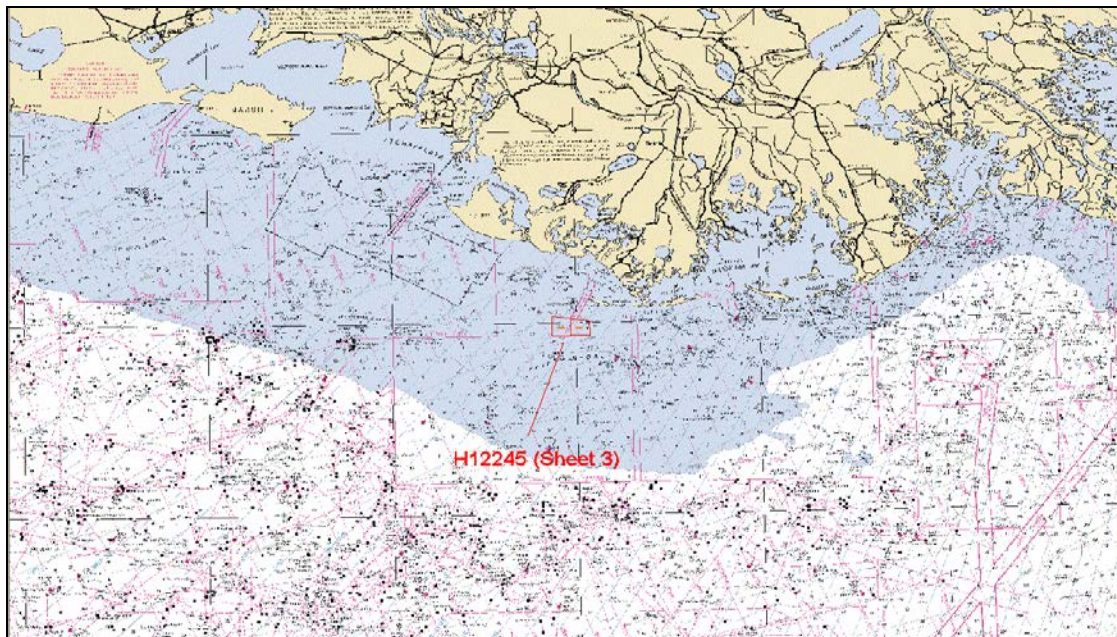
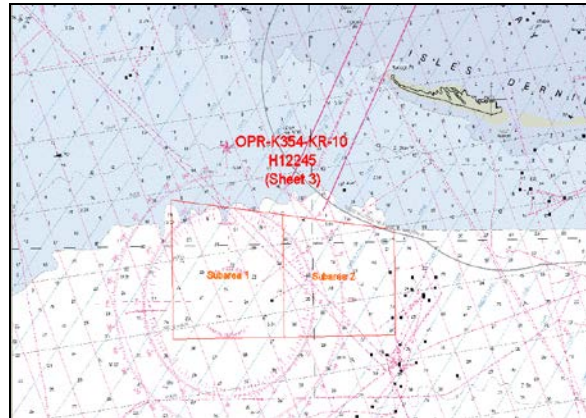
Appendix I	Danger to Navigation Reports
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SEPARATES

Separates I	Acquisition and Processing Logs
Separates II	Sound Speed Data
Separates III	Hydrographic Survey Project Instructions and Statement of Work
Separates IV	Crossline Comparisons
Separates V	Side Scan Contact Listing and Images of Significant Contacts

A. AREA SURVEYED

The survey area is located 5 NM SW of Racoon Point in the Gulf of Mexico. The following sketch shows the layout of Sheet 3 (H12245) of Project OPR-K354-KR-10. Water depths in the survey area range from 18 feet to 30 feet Mean Lower Low Water (MLLW). **Concur**



	<i>Inez McCall</i>	Total
LNM Side Scan + Multibeam	355.72	355.72
LNM Crosslines	17.90	17.90
LNM Investigations	2.19	2.19

Number of items investigated	3
Total square nautical miles	15.41

ACQUISITION DATES

*July 12-16 2010**August 1-2 2010***B. DATA ACQUISITION AND PROCESSING****B.1 EQUIPMENT**

System	Manufacturer	Model
Multibeam Echo Sounder	Simrad	EM3002
Side Scan Sonar	Klein	5000
Single Beam Echo Sounder	ODOM	Echotrac DF3200 MK II
Motion Sensor	Applanix	POS MV
Primary Positioning System	CNAV	2050
Secondary Positioning System	CNAV	2050
Tertiary Positioning System	Applanix	POS MV
Sound Speed at Transducer	YSI Electronics	600R
Primary CTD	Seabird	SBE19 Plus
Secondary CTD	Seabird	SBE19

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

***Included with HCell deliverables**

The *M/V Inez McCall* conducted survey operations for this project. The vessel 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.

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	14.304m	0.170m	3.098m
MULTIBEAM DUCER	14.518m	0.170m	3.048m
PRIMARY POS MV IMU	14.976m	ON CL	-1.372m
DRAFT TUBE	-8.953m	2.621m	0.655m
SSS SHEAVE	-18.730m	ON CL	-5.452m
MAG SHEAVE	-18.955m	2.133m	-4.480m
SBP SHEAVE	-14.485m	-4.85m	-3.100m
DF SINGLEBEAM DUCER	14.426m	-0.265m	3.090m
SECONDARY POS MV IMU	14.976m	ON CL	-1.157m

A detailed vessel description, vessel diagram, and patch test results are presented in the Data Acquisition and Processing Report*. **Included with HCell deliverables*

B.2 QUALITY CONTROL

In order to efficiently carry out this survey, the survey lines were oriented roughly east west throughout the survey area. Line spacing was set to 90 meters in water depths greater than 22 feet, and 60 meters for depths less than 22 feet. The sidescan was operated with a range scale of 100 meters per channel for 90 meter line spacing, and 75 meters for line spacing of 60 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.

The internal consistency of the multibeam depth values is quantified in the crossline statistics that were performed at the end of each main line. Crosslines 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 crossline miles were 18 nm, while the total main line miles were 356 nm. The cross lines comprised about five percent 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 percent of the soundings within 8 to 14 centimeters across the swath. The two BASE surfaces for Sheet 2 were created at a scale of 1:10000 with a resolution of two 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.

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

**Included with HCell deliverables*

B.3 CORRECTIONS TO ECHO SOUNDINGS

A draft correction was required for the multibeam sounding between 23:20 UTC on Julian day 193 to 22:30 UTC on Julian day 194. An incorrect waterline to CRP value of 0.80 meters was entered in the SIS software, which caused a depth error of approximately 0.30 meters for all soundings that were recorded over this time period. To correct this error, a draft entry of -0.30 meters was added to the Inez McCall vessel file in CAIRIS HIPS and SIPS for this time.

C. VERTICAL AND HORIZONTAL CONTROL

Tide and water level corrections were determined and applied in accordance with the Co-ops Statement of Work. Data from Port Fourchon, LA (8762075) was used as the source of tides. The following table shows the tidal zone and correctors that were used for this sheet. Tidal data were processed using the 1983-01 epoch.

Tide Zone	Reference Station	Primary/Secondary	Time Corrector	Range Ratio
CGM716	8762075	PRIM	-18	1.05
CGM717	8762075	PRIM	-12	1.09
CGM718	8762075	PRIM	-12	1.09
CGM732	8762075	PRIM	-6	1.09
CGM733	8762075	PRIM	-6	1.17
WGM266	8762075	PRIM	-18	1.21
WGM414	8762075	PRIM	-12	1.21
WGM415	8762075	PRIM	-6	1.21
WGM416	8762075	PRIM	-6	1.21

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

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 Appendices I and II of this 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
11356	1:80,000	38	Jun 08
11340	1:458,596	74	Aug 09

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

Chart Number	Corrected Through	
	NM	LNLM
11356	Jun 14/08	Jun 03/08
11340	Aug 08/09	Jul 28/09

D.1.2 CHARTED FEATURES

No evidence of the following charted feature was found during this survey. Although this feature does not fall entirely within the H12245 survey area on chart number 11340, the same wreck on chart number 11356 does fall inside the survey area. Chart number 11356 has a much larger scale, which means that the positions of charted features are more accurate. Because of this, it is recommended that this feature be removed from both charts. The position below was taken from the chart, and is approximate.

Charted Feature	Chart Number	Latitude	Longitude
Dangerous Wreck, Depth Unknown, PA	11356	29°00'01.588"N	90°57'59.750"W
Dangerous Wreck, Depth Unknown, PA	11340	29°00'10.203"N	90°58'02.239"W

D.1.3 NOTICES TO MARINERS

The Notices to Mariners were reviewed from the last updated notice for each digital chart, to August 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

~~There is one four fathom sounding charted in the survey area. The surrounding surveyed soundings are one foot deeper than this charted sounding.~~

Chart 11356

Surveyed soundings are one to three feet deeper than charted soundings throughout the entire survey area.

D.1.5 SHOALS AND HAZARDOUS FEATURES

There are no charted shoals within the survey bounds, and none were found during survey operations. There is one charted hazard within the survey area, and it is discussed in section D.1.2 of this report. One uncharted hazardous feature was found during survey operations. It has been submitted as a danger to navigation, and is discussed in section D.1.8 of this report.

D.1.6 AWOIS ITEMS

One AWOIS item was assigned for full investigation within the H12245 survey area.

AWOIS ~~12202~~ **13938**

Description: Miss Ellen

AWOIS Position: 28°0'01.83"N 90°58'0.33"W

Search Radius: 1000 meters

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

Investigation Summary: This AWOIS item is described as the Miss Ellen, and is also found on chart 11356 as a Dangerous Wreck, Depth Unknown, PA. No evidence of this item was found during the survey, and it is recommended that it be removed from the chart.

D.1.7 INVESTIGATION ITEMS

Additional investigation work was performed for three significant sonar contacts. Two to six additional multibeam and side scan lines were run over each of these targets. After review, one contact was found to be significant. This contact was

submitted as a danger to navigation. A copy of this DTON report can be found in section Appendix I of this report. **Concur**

D.1.8 DANGER TO NAVIGATION REPORTS

One danger to navigation report was issued for this survey. It has been marked as a designated sounding within the H12245 CARIS project. The submitted DTON report can be in Appendix I of this report. **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.

D.2.2 AIDS TO NAVIGATION

No Aids to Navigation are charted within the survey area. **Concur**

D.2.3 EXISTING INFRASTRUCTURE

The following platforms were found as charted. **Concur with clarification. See Appendix II of this report.**

Surveyed Position			
Latitude	Longitude	Platform Name	Chart Action
28°58'19.568"N	90°57'50.046"W	SS 72#1	Remain on chart
28°58'20.656"N	90°57'34.438"W	SS 72#21	Remain on chart

The following is a list of structures that are currently charted, but were no longer present at the time of the survey. **Concur**

Charted Position		
Latitude	Longitude	Chart Action
28°58'46.887"N	91°01'08.648"W	Delete
28°59'20.630"N	90°57'51.475"W	Delete

D.2.4 OTHER PERTINENT INFORMATION

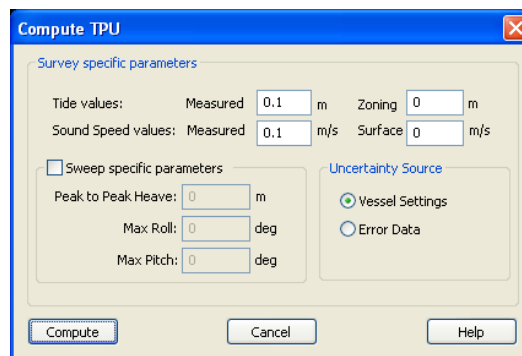
Draft corrections were verified on a daily basis, and entered into the multibeam collection software to be applied in real-time. Draft was entered directly into the single beam.

Two BASE surfaces were created for this project, one for each subarea. Both BASE surfaces were created at two-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.

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

All TPE values were calculated using the following settings.





LETTER OF APPROVAL

REGISTRY NUMBER H12245

This report and the accompanying smooth sheet are respectfully submitted.

Field operations contributing to the accomplishment of the survey H12245 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-10.

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

John Baker
Chief of Party
C&C Technologies
December 2010

APPENDIX I

DANGER TO NAVIGATION REPORTS

Danger to Navigation Report

Registry Number: H12245
State: Louisiana
Locality: Gulf of Mexico
Sub-locality: 5 NM SW of Raccoon Point
Project Number: OPR-K354-KR-10
Survey Dates: 07/12/2010 - 08/02/2010

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11356	38th	06/01/2008	1:80,000 (11356_1)	[L]NTM: ?
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	DTON #01	Shoal	7.56 m	28° 58' 05.1" N	090° 58' 45.7" W	---

1 - Dangers To Navigation

1.1) DTON #01

DANGER TO NAVIGATION

Survey Summary

Survey Position: 28° 58' 05.1" N, 090° 58' 45.7" W
Least Depth: 7.56 m (= 24.79 ft = 4.132 fm = 4 fm 0.79 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2010-214.00:00:00.000 (08/02/2010)
Dataset: H12245_FFF.000
FOID: US 0000000004 00001(0226000000040001/1)
Charts Affected: 11356_1, 1116A_1, 11340_1, 411_1

Remarks:

Feature was located with sidescan sonar and further developed with a multibeam echosounder. The feature lies directly over a charted pipeline.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12245_FFF.000	US 0000000004 00001	0.00	000.0	Primary

Hydrographer Recommendations

It is recommended to chart a 25ft Obstruction at the survey position.

Cartographically-Rounded Depth (Affected Charts):

25ft (11356_1)

4fm (1116A_1, 11340_1, 411_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)

Attributes:

NINFOM - Chart OBSTRN as SOUNDG

SORDAT - 20100802

SORIND - US,US,graph,H12245

TECSOU - 3:found by multi-beam

Office Notes

SAR: Uncharted feature located at survey position by 200% SSS and ODMB. Feature was submitted as a DTON on 12/10/2010. On 12/14/2010, MCD sent a reply to AHB that the DTON would not be applied to the chart because it is an obstruction on a charted pipeline (see correspondence in DR Appendix V).

Compile: Concur with clarification. AHB concurs with MCD and recommends that the feature be charted as a sounding.

Feature Images

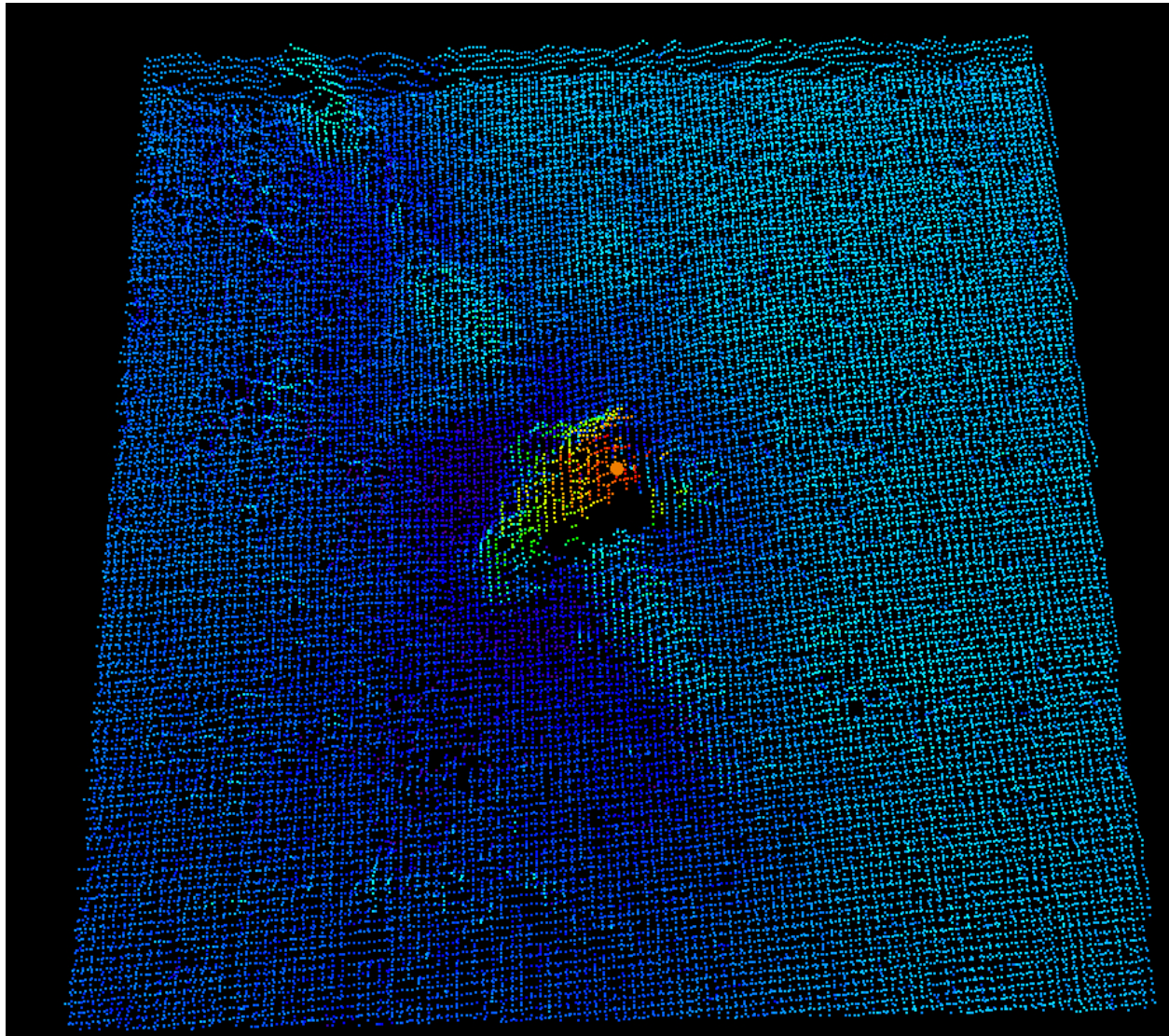


Figure 1.1.1

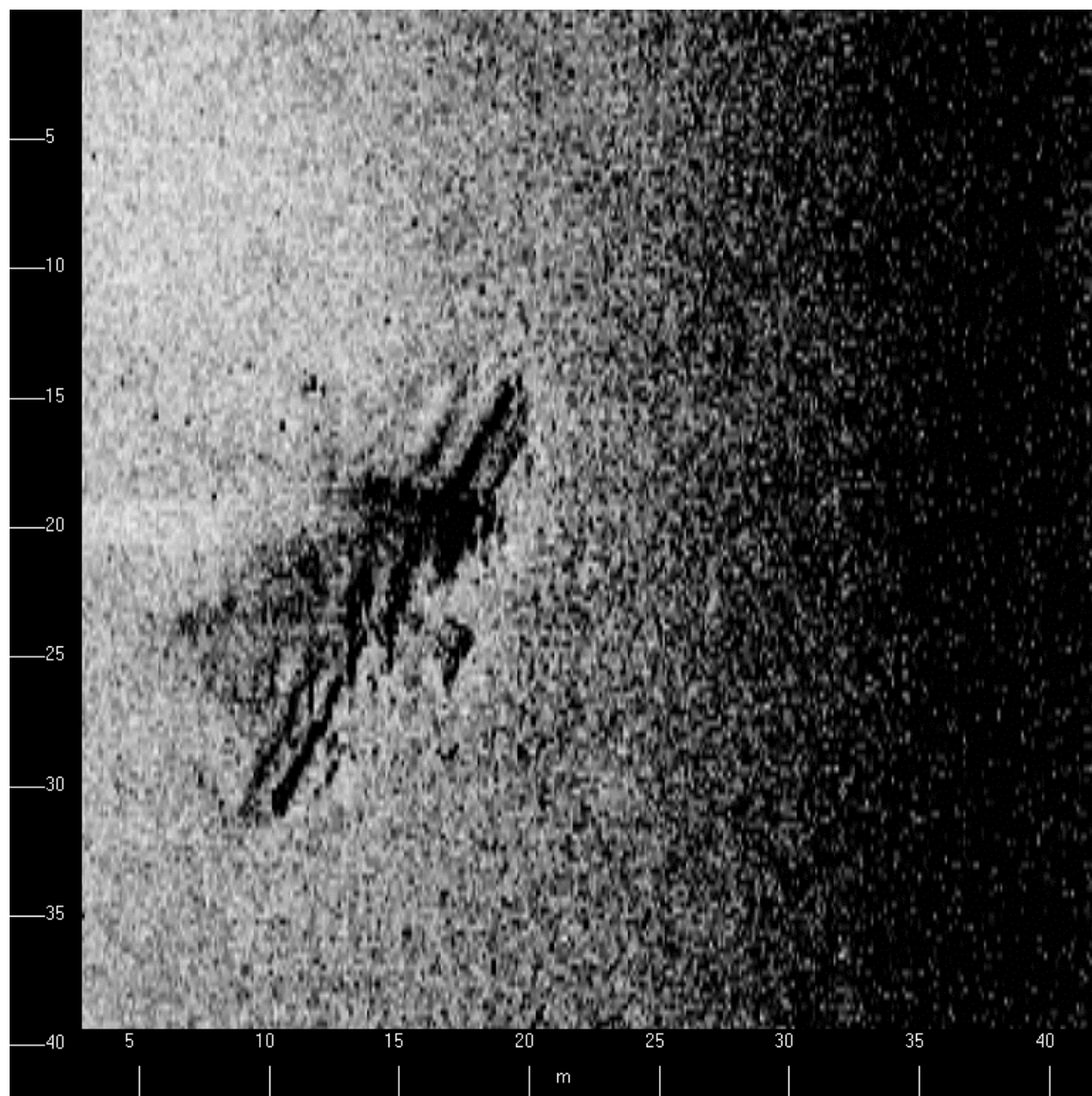


Figure 1.1.2

APPENDIX II

SURVEY FEATURE REPORT

AWOIS Features

Registry Number: H12245
State: Louisiana
Locality: Gulf of Mexico
Sub-locality: 5 NM SW of Raccoon Point
Project Number: OPR-K354-KR-10
Survey Dates: 07/12/2010 - 08/02/2010

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11356	38th	06/01/2008	1:80,000 (11356_1)	[L]NTM: ?
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	AWOIS #13938 - Charted Wreck PA	AWOIS	[no data]	[no data]	[no data]	---

1 - S57DR_AWOIS

1.1) AWOIS #13938 - AWOIS #13938 - Charted Wreck PA

No Primary Survey Feature for this AWOIS Item

Search Position: 29° 00' 01.8" N, 090° 58' 00.3" W
Historical Depth: [None]
Search Radius: 1000
Search Technique: S2, MB, SD
Technique Notes: [None]

History Notes:

8TH CGD WRECK LIST, 7/17/65, DMA317; DMA reports the wreck Miss Ellen at approx pos./ LAT 29 00 01.0N LON 090 58 00.0W

Survey Summary

Charts Affected: 11356_1, 1116A_1, 11340_1, 411_1

Remarks:

DR Section D.1.6, p.9

"This AWOIS item is described as the Miss Ellen, and is charted as a dangerous wreck PA, depth unknown. No evidence of this item was found during the survey."

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12245_AWOIS_EXPORT	AWOIS # 13938	0.00	000.0	Primary
H12245_FFF.000	US 0000000001 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

It is recommended to remove this wreck from the chart.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Delete WRECK
NTXTDS - H12245,Chart11356,Ed38,20080601

Office Notes

SAR: Survey coverage does not meet AWOIS search radius requirement. Charted AWOIS feature is not disproved.

Compile: The AWOIS search radius has been met by object detection coverage from three surveys: H12244 (2010) of the same project, H11783 (2008), and the current survey (H12245). No wreck was indentified within the search radius by any of these surveys. Wreck is thereby considered disproved. Delete wreck.

Charted Features

Registry Number: H12245
State: Louisiana
Locality: Gulf of Mexico
Sub-locality: 5 NM SW of Raccoon Point
Project Number: OPR-K354-KR-10
Survey Dates: 07/12/2010 - 08/02/2010

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11356	38th	06/01/2008	1:80,000 (11356_1)	[L]NTM: ?
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	Charted Platform - Disproval	GP	[None]	28° 58' 46.2" N	091° 01' 09.2" W	---

1 - S57DR_Charted

1.1) Charted Platform - Disproval

Survey Summary

Survey Position: 28° 58' 46.2" N, 091° 01' 09.2" 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)
Dataset: H12245_FFF.000
FOID: US 0000009906 00001(0226000026B20001)
Charts Affected: 11356_1, 1116A_1, 11340_1, 411_1

Remarks:

DR Section D.2.3, p. 10

"Charted platform structure was no longer present at the time of survey."

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12245_FFF.000	US 0000009906 00001	0.00	000.0	Primary

Hydrographer Recommendations

Delete platform.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Delete OFSPLF
NTXTDS - H12245,Chart11356,Ed38,20080601

Office Notes

SAR: Charted feature disproved by 200% SSS.

Compile: Concur. Delete platform.

Bottom Samples

Registry Number: H12245
State: Louisiana
Locality: Gulf of Mexico
Sub-locality: 5 NM SW of Raccoon Point
Project Number: OPR-K354-KR-10
Survey Dates: 07/12/2010 - 08/02/2010

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11356	38th	06/01/2008	1:80,000 (11356_1)	[L]NTM: ?
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	Charted Bottom Characteristic - Retain	GP	[None]	29° 00' 22.4" N	091° 03' 52.5" W	---
1.2	Charted Bottom Characteristic - Retain	GP	[None]	28° 58' 14.0" N	091° 01' 06.8" W	---
1.3	Charted Bottom Characteristic - Retain	GP	[None]	29° 00' 21.1" N	090° 59' 39.8" W	---

APPENDIX III

RESERVED

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-10
 Contractor Name: C & C Technologies, Inc.
 Inclusive Dates: July 12, 2010 - August 2, 2010
 Registry No.: H12245 (Sheet 3)
 Date: December 2010
 Sheet Number: 3
 Field Work is Complete
 Time (UTC)

Date	Julian Day	Start	End	Year
7/12/2010	193	2334	2400	2010
7/13/2010	194	0000	2400	2010
7/14/2010	195	0000	2400	2010
7/15/2010	196	0000	2400	2010
7/16/2010	197	0000	1153	2010
8/1/2010	213	2237	2400	2010
8/2/2010	214	0000	0211	2010

APPENDIX V

SUPPLEMENTAL SURVEY RECORDS AND CORRESPONDANCE

Subject: Re: H12245 DtoN #01 Submission to MCD/NDB

From: "ocs.ndb" <OCS.NDB@noaa.gov>

Date: Tue, 14 Dec 2010 15:21:39 -0500

To: James J Miller <James.J.Miller@noaa.gov>, James M Crocker <James.M.Crocker@noaa.gov>, Richard T Brennan <Richard.T.Brennan@noaa.gov>, Lori Knell <Lori.Knell@noaa.gov>, Benjamin K Evans <Benjamin.K.Evans@noaa.gov>, Howard Danley <Howard.Danley@noaa.gov>, Tim Osborn <Tim.Osborn@noaa.gov>, john.baker@cctechnol.com, Mark Griffin <Mark.Griffin@noaa.gov>, Tara Wallace <Tara.Wallace@noaa.gov>, Doug Baird <Doug.Baird@noaa.gov>

CC: Castle E Parker <Castle.E.Parker@noaa.gov>, Thomas Loeper <Thomas.Loeper@noaa.gov>

James,

Yes, thank you for the clarification.

You might already be aware that MCD has struggled with how to handle reports about obstruction features on charted pipelines. The agreed-upon practice is not to chart an obstruction where a pipeline is already charted unless it is at a depth of 15 feet or less. Captain Baird agrees in this case by saying that the feature "...is not a hazard to surface navigation, as the mariner should expect to encounter 25 ft depths in this area; it is only a hazard to bottom operations or anchoring - and those activities would not be prudent due to the existing pipeline symbol."

Therefore, it is NDB's intention to register the report as a "history" document - that is, it will be on record in MCD but won't be sent to the nautical product teams for charting action. Your information will instead be addressed by the Coast Pilot group.

Thanks,
Diane

On 12/10/2010 3:29 PM, James J Miller wrote:

Diane,

It appears that the feature may be a pipeline junction box, or a spliced/repaired section of the pipeline. The feature definitely appears to be something connected to the charted pipeline. It is unclear whether the pipeline junction/splice has been matted or not.

Does this adequately answer your question?

Thanks,
James J Miller

ocs.ndb wrote:

James,

Is this feature an elevated portion of the charted pipeline?

Thanks,
Diane

On 12/10/2010 12:22 PM, James J Miller wrote:


Good Day,

Please find attached a zip file for survey H12245 DtoN #01 Report, for submission to Marine Chart Division (MCD).

The contents of the attached WinZip file were generated at Atlantic Hydrographic Branch. The attached zip file contains a DtoN Letter (PDF) and a Pydro XML file.

If you have any questions, please direct them back to me; email or call 757-441-6862, Ext. 111.

Thank you for your assistance with this matter,

 James J. Miller





James Miller <james.j.miller@noaa.gov>

Commencement of Survey Acceptance Review for survey H12245

Scott Croft <scott.croft@cctechol.com>

Thu, Jan 26, 2012 at 4:40 PM

Reply-To: scott.croft@cctechol.com

To: James J Miller <james.j.miller@noaa.gov>

Cc: nicole.kuenzel@cctechol.com, Castle Parker <castle.e.parker@noaa.gov>, Richard Brennan <richard.t.brennan@noaa.gov>

Thank you James. Nicole is the main point of contact but if she is unavailable feel free to contact me any time.

--

Thanks,

Scott Croft
V.P., Geosciences Division
C&C Technologies, Inc.
730 East Kaliste Saloom Road
Lafayette, LA 70508 USA
[337 261 0660](tel:337-261-0660) Voice
[337 261 0192](tel:337-261-0192) Fax
[337 739 6116](tel:337-739-6116) Cell
www.cctechol.com

On 1/26/2012 9:12 AM, James J Miller wrote:

Nicole,

This email is to notify you that I have begun the Survey Acceptance Review (SAR) process for survey H12245. We may contact you if there are any questions that arise during the SAR.

Regards,

James J Miller
Physical Scientist
Atlantic Hydrographic Branch
439 W York St
Norfolk, VA 23510
[757-441-6746](tel:757-441-6746) (x214)

AHB COMPILATION LOG

General Survey Information	
REGISTRY No.	H12245
PROJECT No.	OPR-K354-KR-10
FIELD UNIT	C&C
DATE OF SURVEY	20100712 - 20100802
LARGEST SCALE CHART	<i>11356, edition 38, 20080601, 1:80,000</i>
ADDITIONAL CHARTS	<i>11340, edition 75, 20110501, 1:458,596</i>
SOUNDING UNITS	FEET
COMPILER	James J. Miller

Source Grids	File Name
	T:\Surveys\H12245_K354_CC\AHB_H12245\SAR Final Products\GRIDS
	H12245_Sub1_2m_Final.csar H12245_Sub2_2m_Final.csar
Surfaces	File Name
	T:\Surveys\H12245_K354_CC\AHB_H12245\COMPILE\Working
<i>Combined</i>	H12245_4m_Combined.csar
<i>Interpolated TIN</i>	\Interpolated TIN\H12245_12m_InterpTIN.csar
<i>Shifted Interpolated TIN</i>	\Shifted Surface\H12245_12m_InterpTIN_Shifted.csar
Final HOBs	File Name
	T:\Surveys\H12245_K354_CC\AHB_H12245\COMPILE\Final_Hobs
<i>Survey Scale Soundings</i>	H12245_SS_Soundings.hob
<i>Chart Scale Soundings</i>	H12245_CS_Soundings.hob
<i>Contour Layer</i>	N/A
<i>Feature Layer</i>	H12245_Features.hob
<i>Meta-Objects Layer</i>	H12245_MetaObjects.hob
<i>Blue Notes</i>	H12245_BlueNotes.hob
<i>ENC Retain Soundings</i>	N/A

Meta-Objects Attribution	
Acronym	Value
M_COVR	
CATCOV	1 – coverage available
SORDAT	20100802
SORIND	US,US,graph,H12245
M_QUAL	
CATZOC	1 – zone of confidence A1
INFORM	M/V Inez McCall
POSACC	10.0 m
SORDAT	20100802
SORIND	US,US,graph,H12245
SUREND	20100802
SURSTA	20100712
DEPARE	
DRVALV 1	18.000 ft
DRVALV2	31.000 ft
SORDAT	20100802
SORIND	US,US,graph,H12245
M_CSCL	

CSCALE	N/A
SORDAT	N/A
SORIND	N/A

SPECIFICATIONS:

- I. COMBINED SURFACE:
 - a. Number of SAR Final Grids: 2
 - 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: 1.00
 - ii. And/Or use radius table file: N/A
 - d. Queried Depth of All Soundings
 - i. Minimum: 5.482 m
 - ii. Maximum: 9.364 m

- III. INTERPOLATED TIN SURFACE:
 - a. Resolution (m): 12 m
 - b. Interpolation method: Natural Neighbor
 - c. Shift value: -0.75 ft [only include applicable shift values]
[-0.75 feet (And/Or) -0.75 fathoms]

- IV. CONTOURS:
 - a. Attribute Name: Depth
 - b. Use a Depth List: H12245_depth_contours.txt
 - c. Output Options: Create contour lines
 - i. Line Object: DEPCNT
 - ii. Value Attribute: VALDCO

- V. FEATURES:
 - a. Number of Chart Features: 7 [all features included in H-Cell]
 - b. Number of Non-Chart Features: 4 [all features submitted by field & not included in H-Cell]

- VI. CHART SURVEY SOUNDINGS (CS):
 - a. Number of ENC CS Soundings: 42
 - b. Attribute Name: Depth
 - c. Selection criteria: Radius, Shoal bias
 - d. Radius value is: Distance on the ground (m)
 - i. Use single-defined radius: N/A
 - ii. And/Or use radius table file: H12245_CS_SSR.txt

3.000	5.600	800
5.601	7.300	950
7.301	15.000	1025
 - iii. Enable Filter: Interpolated !=1
 - e. Number Survey CS Soundings: 44

- VII. NOTES:

[Type text]