H12243

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. : H12243

LOCALITY

State: Louisiana

General Locality: Gulf of Mexico

Sublocality: 5 NM SW of Entrance to Lake Pelto

2010

CHIEFS OF PARTY
Scott Croft, John Baker

NOAA FORM 77-28 (11-72)

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

REGISTRY No: H12243

HYDROGRAPHIC TITLE SHEET

FIELD NUMBER: Sheet 1

State: Louisiana

General Locality: Gulf of Mexico

Locality: 5 NM SW of Entrance to Lake Pelto

Scale: 1:10,000 Date of Survey: June 2010 to August 2010

Instructions Dated: May 2010 Project Number: OPR-K354-KR-10

Vessels: *M/V Inez McCall*

Chiefs of Party: Scott Croft, John Baker

Surveyed by: C&C Technologies Personnel ***Atlantic Hydrographic Branch Personnel***

Soundings taken by echosounder, hand lead line, or pole: Simrad EM3002 Multibeam Echo sounder

Verification by: C&C Technologies Personnel

Soundings in: Feet: X Fathoms: _____ Meters: _____ at MLW: _____ MLLW: X

Remarks: Hydrographic Survey of Sheet 1 (H12243)
Data collection in meters, referenced to MLLW, later converted into feet
200% side scan sonar, with concurrent multibeam coverage
UTC time was used exclusively ***ZONE 15N***
Grab samples were not taken
Tidal Zones: CGM 716, 717, 718, 732, 733, WGM 266, 414, 415, 416
Tidal Station: 8762075 (Port Fourchon, LA)

NOAA FORM 77-28 SUPERSEDES FORM C & GS - 537

Bold, italic, red notes in the Descriptive Report were made during office processing.

TABLE OF CONTENTS

APPENDICES

Appendix I	Danger to Navigation Reports
Appendix II	Survey Feature Report
Appendix III	Reserved
Appendix IV	Tides and Water Levels
Appendix V	Supplemental Survey Records and Correspondence

*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

Data filed with original field records.

A. AREA SURVEYED

The survey area is located 5 NM SW of the entrance to Lake Pelto in the Gulf of Mexico. The following sketch shows the layout of Sheet 1 (H12243) of Project OPR-K354-KR-10. Water depths in the survey area range from 23 feet to 35 feet Mean Lower Low Water (MLLW). ***Concur.***

	Inez McCall	Total
LNM Side Scan + Multibeam	265.66	265.66
LNM Crosslines	15.06	15.06
LNM Investigations	2.92	2.92

Number of items investigated	4
Total square nautical miles	12.92

ACQUISITION DATES

June 18-22 2010
August 1, 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 Electroincs	600R
Primary CTD	Seabird	SBE19 Plus
Secondary CTD	Seabird	SBE19

See *Data Acquisition and Processing Report for a detailed description of the equipment used for hydrographic operations. ***Data included with survey 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 ℄	-1.372m
DRAFT TUBE	-8.953m	2.621m	0.655m
SSS SHEAVE	-18.730m	ON ℄	-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 ℄	-1.157m

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

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. 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 cross line miles were 15 nm, while the total main line miles were 280 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 BASE surface for Sheet 1 was created at a scale of 1:10000 with a resolution of two meters. ***Concur***

****Data filed with original field records.***

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

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).

D. RESULTS AND RECOMMENDATIONS *See Appendix II of this Report for final charting recommendations.*

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
11357	1:80,000	40	Jun 09
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	LNM
11356	Jun 14/08	Jun 03/08
11357	Jun 06/09	Jun 02/09
11340	Aug 08/09	Jul 28/09

D.1.2 CHARTED FEATURES ***See Appendix II of this Report for final charting recommendations.***

There are no features charted within the survey area. ***Concur.***

D.1.3 NOTICES TO MARINERS

The Notices to Mariners were reviewed from the last updated notice for each digital chart, to June 22, 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 only one charted sounding that falls within the survey area. This 4¾ fathom sounding agrees to within a foot of surrounding surveyed soundings.

Chart 11356

Surveyed soundings are one to three feet deeper than charted soundings on chart number 11356. ***Concur.***

Chart 11357

Surveyed soundings are one to three feet deeper than charted soundings on chart number 11357. ***Concur.***

D.1.5 SHOALS AND HAZARDOUS FEATURES

There are no charted shoals within the survey bounds, and none were found during survey operations. One uncharted hazardous feature was found during the survey. This feature has been submitted as a DTON and is discussed in section D.1.8 of this report. ***Concur.***

D.1.6 AWOIS ITEMS

There were no AWOIS items assigned for full investigation within the H12243 survey area. ***Concur***

D.1.7 INVESTIGATION ITEMS

Additional investigation work was performed for four significant sonar contacts. Five to seven additional multibeam and side scan lines were run over each of these targets. After review, one contact was found to be significant. A copy of the DTON report can be found in section Appendix I of this report. ***Concur***

D.1.8 DANGER TO NAVIGATION REPORTS ***See Appendix V of this Report***

One danger to navigation report was issued for this survey. It has been marked as a designated sounding within the H12243 CARIS project. The submitted DTON report can be ***seen*** in Appendix I of this report. ***Concur with clarification. Office processing determined that this feature, a shoal sounding on a pipeline, was insignificant so it was not submitted to MCD as a DToN.***

D.2 ADDITIONAL RESULTS *See Appendix II of this Report for final charting recommendations.*

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 with clarification. Comparison with prior surveys was not a requirement, yet comparison with contemporary surveys was required.***

D.2.2 AIDS TO NAVIGATION

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

D.2.3 EXISTING INFRASTUCTURE *See Appendix II of this Report for final charting recommendations.*

The following platforms were found as charted.

Surveyed Position			
Latitude	Longitude	Platform Name	Chart Action
28°59'01.660"N	90°50'00.347"W	SS 66#5	Remain as charted
28°58'53.920"N	90°50'11.739"W	SS 66#2	Remain as charted
28°58'57.026"N	90°50'23.781"W	SS 66#1	Remain as charted
28°58'43.902"N	90°49'34.453"W	SS 66#6	Remain as charted
28°58'36.414"N	90°49'36.406"W	SS 69#4	Remain as charted
28°58'21.489"N	90°50'16.186"W	SS 69#5	Remain as charted
28°58'22.568"N	90°50'25.188"W	SS 69#16	Remain as charted
28°59'15.062"N	90°49'02.902"W	No visible name	Remain as charted
28°59'16.856"N	90°48'11.012"W	SS 66 B	Remain as charted

The positions of the following charted platforms should be updated to reflect the surveyed position.

Charted Position			
Latitude	Longitude	Platform Name	Chart Action
28°58'37.667"N	90°50'19.656"W	SS 69#43	Remove
28°58'36.137"N	90°50'17.939"W	SS 69#3	Remove

Surveyed Position			
Latitude	Longitude	Platform Name	Chart Action
28°58'39.704"N	90°50'20.493"W	SS 69#43	Add
28°58'34.544"N	90°50'16.014"W	SS 69#3	Add

The following two platforms are connected by an elevated walkway.

Surveyed Position			
Latitude	Longitude	Platform Name	Chart Action
28°58'32.842"N	90°50'15.046"W	SS 69 A	Remain as charted
28°58'31.779"N	90°50'17.482"W	SS 69 A	Remain as charted

The following uncharted platforms were present at the time of survey

Charted Position			
Latitude	Longitude	Platform Name	Chart Action
28°59'06.874"N	90°47'38.106"W	SS 67 A	Add
28°59'14.131"N	90°48'15.836"W	No visible name	Add
28°58'36.167"N	90°50'06.638"W	SS 69#15	Add

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

Charted Position		
Latitude	Longitude	Chart Action
28°58'38.156"N	90°50'28.454"W	Remove
28°58'16.151"N	90°50'01.926"W	Remove
28°58'06.284"N	90°50'11.364"W	Remove
28°58'05.608"N	90°50'20.315"W	Remove

28°57'09.851"N	90°50'07.509"W	Remove
28°56'51.956"N	90°49'55.401"W	Remove
28°57'05.229"N	90°49'37.007"W	Remove
28°58'48.208"N	90°49'51.352"W	Remove

D.2.4 OTHER PERTINENT INFORMATION

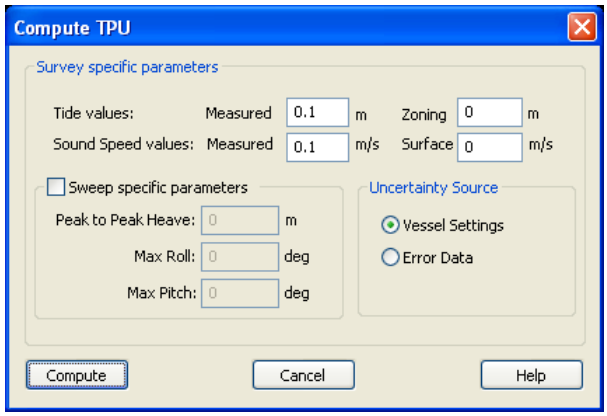
Draft corrections were verified on a daily basis, and entered into the multibeam collection software to be applied in real-time. Draft was entered directly into the single beam. ***Concur with clarification, no Single Beam Echo Sounder data was collected nor submitted for survey H12243.***

One BASE surface was created for this project. This surface was created with a resolution of two-meters.

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 H12243

This report and the accompanying smooth sheet are respectfully submitted.

Field operations contributing to the accomplishment of the survey H12243 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.

John Baker
Chief of Party
C&C Technologies
December 2010

APPENDIX I

DANGERS TO NAVIGATION

One Danger to Navigation Reports was issued for the H12243 survey. Office processing determined that this feature, of a shoal sounding on a pipeline' was insignificant so it was not submitted to MCD as a DToN. The Field's report can be found in Appendix V.

APPENDIX II

SURVEY FEATURES REPORT

H12243_Charted Features

Registry Number:

State:

Locality:

Sub-locality:

Project Number:

Survey Dates: 01/01/1981 - 08/01/2010

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11357	39th	02/01/2008	1:80,000 (11357_1)	[L]NTM: ?
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	Delete offshore platform	GP	[None]	28° 58' 38.2" N	090° 50' 29.6" W	---
1.2	Add Offshore platform	GP	[None]	28° 58' 22.6" N	090° 50' 25.2" W	---
1.3	Add Offshore platform	GP	[None]	28° 58' 57.0" N	090° 50' 23.8" W	---
1.4	Delete offshore platform	GP	[None]	28° 58' 05.9" N	090° 50' 21.9" W	---
1.5	Add Offshore platform	GP	[None]	28° 58' 39.7" N	090° 50' 20.5" W	---
1.6	Add Offshore platform	GP	[None]	28° 58' 31.8" N	090° 50' 17.5" W	---
1.7	Add Offshore platform	GP	[None]	28° 58' 21.5" N	090° 50' 16.2" W	---
1.8	Add Offshore platform	GP	[None]	28° 58' 34.5" N	090° 50' 16.0" W	---
1.9	Add Offshore platform	GP	[None]	28° 58' 32.8" N	090° 50' 15.0" W	---
1.10	Delete offshore platform	GP	[None]	28° 58' 07.0" N	090° 50' 12.4" W	---
1.11	Add Offshore platform	GP	[None]	28° 58' 53.9" N	090° 50' 11.7" W	---
1.12	Delete offshore platform	GP	[None]	28° 57' 11.3" N	090° 50' 07.6" W	---

1.13	Delete offshore platform	GP	[None]	28° 58' 16.2" N	090° 50' 01.9" W	---
1.14	Add Offshore platform	GP	[None]	28° 59' 01.7" N	090° 50' 00.3" W	---
1.15	Delete offshore platform	GP	[None]	28° 56' 52.6" N	090° 49' 55.7" W	---
1.16	Delete offshore platform	GP	[None]	28° 58' 48.2" N	090° 49' 51.4" W	---
1.17	Delete offshore platform	GP	[None]	28° 57' 05.8" N	090° 49' 37.2" W	---
1.18	Add Offshore platform	GP	[None]	28° 58' 36.4" N	090° 49' 36.4" W	---
1.19	Add Offshore platform	GP	[None]	28° 58' 43.9" N	090° 49' 34.5" W	---
1.20	Add Offshore platform	GP	[None]	28° 59' 15.1" N	090° 49' 02.9" W	---
1.21	Add Offshore platform	GP	[None]	28° 59' 16.9" N	090° 48' 11.0" W	---

1.1) Delete offshore platform

Survey Summary

Survey Position: 28° 58' 38.2" N, 090° 50' 29.6" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 1981-001.00:00:00.000 (01/01/1981)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052359 00001(02260000CC870001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

$CSYMB/remrks: Platform currently charted, but no longer present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052359 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove platform

S-57 Data

Geo object 1: Cartographic symbol ($CSYMB)

Attributes: NINFOM - Delete offshore platform

NTXTDS - H12243,Chart#11356,Edition 38,20100801

Office Notes

SAR: OFSPLF disproved (d1)

COMPILATION: Concur. Delete offshore platform

1.2) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 22.6" N, 090° 50' 25.2" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052387 00001(02260000CCA30001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052387 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 69#16

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°58'22.570"N , 090°50'25.188"W (710433.12E , 3206908.84N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform. Add platform at the present survey position.

1.3) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 57.0" N, 090° 50' 23.8" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052381 00001(02260000CC9D0001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052381 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 66#1

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°58'57.025"N , 090°50'23.780"W (710451.85E , 3207970.32N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform. Add platform at the present survey position.

1.4) Delete offshore platform

Survey Summary

Survey Position: 28° 58' 05.9" N, 090° 50' 21.9" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 1981-001.00:00:00.000 (01/01/1981)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052374 00001(02260000CC960001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

$CSYMB/remrks: Platform currently charted, but no longer present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052374 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove platform

S-57 Data

Geo object 1: Cartographic symbol ($CSYMB)

Attributes: NINFOM - Delete offshore platform

NTXTDS - H12243,Chart#11356,Edition 38,20100801

Office Notes

SAR: OFSPLF disproved (d4)

COMPILATION: Concur. Delete offshore platform

1.5) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 39.7" N, 090° 50' 20.5" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052390 00001(02260000CCA60001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: The position of the following charted platforms should be updated to reflect the surveyed position

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052390 00001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 69#43

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°58'34.543"N , 090°50'16.015"W (710674.71E , 3207282.01N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with Clarification. Update chart with present survey position. Add offshore platform.

1.6) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 31.8" N, 090° 50' 17.5" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052378 00001(02260000CC9A0001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platforms connected by an elevated walkway

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052378 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore Platform

OBJNAM - SS 69 A

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of28°58'32.840"N , 090°50'15.047"W (710701.89E , 3207230.07N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform, add present survey platform.

1.7) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 21.5" N, 090° 50' 16.2" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052376 00001(02260000CC980001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052376 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 69#5

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°58'21.490"N , 090°50'16.184"W (710677.48E , 3206880.05N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform. Add platform at the present survey position.

1.8) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 34.5" N, 090° 50' 16.0" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052391 00001(02260000CCA70001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: The position of the following charted platforms should be updated to reflect the surveyed position

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052391 00001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 69#3

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°58'34.543"N , 090°50'16.015"W (710674.71E , 3207282.01N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with Clarification. Update chart with present survey position. Add offshore platform.

1.9) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 32.8" N, 090° 50' 15.0" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052379 00001(02260000CC9B0001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platforms connected by an elevated walkway.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052379 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore Platform

OBJNAM - SS 69 A

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of28°58'32.840"N , 090°50'15.047"W (710701.89E , 3207230.07N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform, add present survey platform.

1.10) Delete offshore platform

Survey Summary

Survey Position: 28° 58' 07.0" N, 090° 50' 12.4" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 1981-001.00:00:00.000 (01/01/1981)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052360 00001(02260000CC880001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

$CSYMB/remrks: Platform currently charted, but no longer present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052360 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove platform

S-57 Data

Geo object 1: Cartographic symbol ($CSYMB)

Attributes: NINFOM - Delete offshore platform

NTXTDS - H12243,Chart#11356,Edition 38,20100801

Office Notes

SAR: OFSPLF disproved (d3)

COMPILATION: Concur. Delete offshore platform

1.11) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 53.9" N, 090° 50' 11.7" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052384 00001(02260000CCA00001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052384 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 66#2

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°58'53.918"N , 090°50'11.738"W (710779.58E , 3207880.64N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform. Add platform at the present survey position.

1.12) Delete offshore platform

Survey Summary

Survey Position: 28° 57' 11.3" N, 090° 50' 07.6" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 1981-001.00:00:00.000 (01/01/1981)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052373 00001(02260000CC950001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

$CSYMB/remrks: Platform currently charted, but no longer present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052373 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove platform

S-57 Data

Geo object 1: Cartographic symbol ($CSYMB)

Attributes: NINFOM - Delete offshore platform

NTXTDS - H12243,Chart#11356,Edition 38,20100801

Office Notes

SAR: OFSPLF disproved (d5)

COMPILATION: Concur. Delete offshore platform

1.13) Delete offshore platform

Survey Summary

Survey Position: 28° 58' 16.2" N, 090° 50' 01.9" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 1981-001.00:00:00.000 (01/01/1981)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052372 00001(02260000CC940001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

$CSYMB/remrks: Platform currently charted, but no longer present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052372 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove platform

S-57 Data

Geo object 1: Cartographic symbol ($CSYMB)

Attributes: NINFOM - Delete offshore platform

NTXTDS - H12243,Chart#11357,Edition 41,20100801

Office Notes

SAR: OFSPLF disproved (d2)

COMPILATION: Concur. Delete offshore platform

1.14) Add Offshore platform

Survey Summary

Survey Position: 28° 59' 01.7" N, 090° 50' 00.3" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052385 00001(02260000CCA10001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052385 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 66#5

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°59'01.658"N , 090°50'00.348"W (711083.55E , 3208124.58N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform. Add platform at the present survey position.

1.15) Delete offshore platform

Survey Summary

Survey Position: 28° 56' 52.6" N, 090° 49' 55.7" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 1981-001.00:00:00.000 (01/01/1981)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052358 00001(02260000CC860001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

$CSYMB/remrks: Platform currently charted, but no longer present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052358 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove platform

S-57 Data

Geo object 1: Cartographic symbol ($CSYMB)

Attributes: NINFOM - Delete offshore platform

NTXTDS - H12243,Chart#11357,Edition 41,20100801

Office Notes

SAR: OFSPLF disproved (d6)

COMPILATION: Concur. Delete offshore platform.

1.16) Delete offshore platform

Survey Summary

Survey Position: 28° 58' 48.2" N, 090° 49' 51.4" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 1981-001.00:00:00.000 (01/01/1981)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052375 00001(02260000CC970001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

$CSYMB/remrks: Platform currently charted, but no longer present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052375 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove platform

S-57 Data

Geo object 1: Cartographic symbol ($CSYMB)

Attributes: NINFOM - Delete offshore platform

NTXTDS - H12243,Chart#11357,Edition 41,20100801

Office Notes

SAR: OFSPLF disproved (d8)

COMPILATION: Concur. Delete offshore platform.

1.17) Delete offshore platform

Survey Summary

Survey Position: 28° 57' 05.8" N, 090° 49' 37.2" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 1981-001.00:00:00.000 (01/01/1981)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052357 00001(02260000CC850001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

$CSYMB/remrks: Platform currently charted, but no longer present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052357 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove platform

S-57 Data

Geo object 1: Cartographic symbol ($CSYMB)

Attributes: NINFOM - Delete offshore platform

NTXTDS - H12243,Chart#11357,Edition 41,20100801

Office Notes

SAR: OFSPLF disproved (d7)

COMPILATION: Concur. Delete offshore platform.

1.18) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 36.4" N, 090° 49' 36.4" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052377 00001(02260000CC990001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052377 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 69#4

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°58'36.415"N , 090°49'36.404"W (711746.00E , 3207359.31N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform. Add platform at the present survey position.

1.19) Add Offshore platform

Survey Summary

Survey Position: 28° 58' 43.9" N, 090° 49' 34.5" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052380 00001(02260000CC9C0001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052380 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 66#6

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°58'43.903"N , 090°49'34.453"W (711794.58E , 3207590.82N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform. Add platform at the present survey position.

1.20) Add Offshore platform

Survey Summary

Survey Position: 28° 59' 15.1" N, 090° 49' 02.9" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052389 00001(02260000CCA50001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052389 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - No visible name

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°59'15.061"N , 090°49'02.903"W (712630.99E , 3208565.83N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform. Add platform at the present survey position.

1.21) Add Offshore platform

Survey Summary

Survey Position: 28° 59' 16.9" N, 090° 48' 11.0" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052427 00001(02260000CCCB0001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052427 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add Offshore platform

OBJNAM - SS 66 B

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°59'16.858"N , 090°48'11.012"W (714034.60E , 3208647.16N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur with clarification. Delete charted platform, add present survey platform.

H12243_UnCharted Features

Registry Number:

State:

Locality:

Sub-locality:

Project Number:

Survey Date: 08/01/2010

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11357	39th	02/01/2008	1:80,000 (11357_1)	[L]NTM: ?
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	Add offshore platform	GP	[None]	28° 58' 36.2" N	090° 50' 06.6" W	---
1.2	Add offshore platform	GP	[None]	28° 59' 14.1" N	090° 48' 15.8" W	---
1.3	Add offshore platform	GP	[None]	28° 59' 06.9" N	090° 47' 38.1" W	---

1.1) Add offshore platform

Survey Summary

Survey Position: 28° 58' 36.2" N, 090° 50' 06.6" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052388 00001(02260000CCA40001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: The following uncharted platform was present at the time of the survey

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052388 00001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add offshore platform

OBJNAM - SS 69#15

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°58'36.167"N , 090°50'06.637"W (710927.68E , 3207336.65N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur. Add platform at the present survey position.

1.2) Add offshore platform

Survey Summary

Survey Position: 28° 59' 14.1" N, 090° 48' 15.8" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052426 00001(02260000CCCA0001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: The following uncharted platform was present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052426 00001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add offshore platform

OBJNAM - No visible name

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28°59'14.132"N , 090°48'15.836"W (713905.57E , 3208560.83N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur. Add platform at the present survey position.

1.3) Add offshore platform

Survey Summary

Survey Position: 28° 59' 06.9" N, 090° 47' 38.1" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2010-213.00:00:00.000 (08/01/2010)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052392 00001(02260000CCA80001)

Charts Affected: 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

OFSPLF/remrks: The following uncharted platform was present at the time of the survey.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052392 00001	0.00	000.0	Primary

Hydrographer Recommendations

Add platform

S-57 Data

Geo object 1: Offshore platform (OFSPLF)

Attributes: NINFOM - Add offshore platform

OBJNAM - SS 67 A

SORDAT - 20100801

SORIND - US,US,graph,H12243

Office Notes

SAR: Platform verified with 200% SSS (no MBES) in the NAD83 UTM zone 15 lat/lon of 28.98524300N , 090.79391800W (714931.12E , 3208356.41N) respectively. Chart in surveyed lat/lon.

COMPILATION: Concur. Add platform at the present survey position.

H12243_Seabed Characteristics

Registry Number:

State:

Locality:

Sub-locality:

Project Number:

Survey Date: 01/01/2006

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11357	39th	02/01/2008	1:80,000 (11357_1)	[L]NTM: ?
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	Retain seabed characteristic - hard	GP	[None]	28° 59' 02.2" N	090° 51' 11.6" W	---
1.2	Retain seabed characteristic - mud	GP	[None]	28° 55' 56.2" N	090° 50' 16.0" W	---

1.1) Retain seabed characteristic - hard

Survey Summary

Survey Position: 28° 59' 02.2" N, 090° 51' 11.6" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2006-001.00:00:00.000 (01/01/2006)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052383 00001(02260000CC9F0001)

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

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052383 00001	0.00	000.0	Primary

Hydrographer Recommendations

[None]

S-57 Data

Geo object 1: Seabed area (SBDARE)

Attributes: NATQUA - 10:hard

NINFOM - Retain seabed characteristic

SORDAT - 20060100

SORIND - US,US,graph,chart 11356

Office Notes

COMPILATION: Retain charted seabed characteristic

1.2) Retain seabed characteristic - mud

Survey Summary

Survey Position: 28° 55' 56.2" N, 090° 50' 16.0" W

Least Depth: [None]

TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]

Timestamp: 2006-001.00:00:00.000 (01/01/2006)

Dataset: H12243_Features for PYDRO Export.000

FOID: US 0000052382 00001(02260000CC9E0001)

Charts Affected: 11356_1, 11357_1, 1116A_1, 11340_1, 411_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12243_Features for PYDRO Export.000	US 0000052382 00001	0.00	000.0	Primary

Hydrographer Recommendations

[None]

S-57 Data

Geo object 1: Seabed area (SBDARE)

Attributes: NATSUR - 1:mud

NINFOM - Retain seabed characteristic

SORDAT - 20060100

SORIND - US,US,graph,chart 11356

Office Notes

COMPILATION: Retain charted seabed characteristic

APPENDIX III

FINAL PROGRESS SKETCH

No Progress Sketch was submitted with this survey.

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: June 18, 2010 - August 1, 2010
Registry No.: H12243
Date: December 2010
Sheet Number: 1
Field Work is Complete
Time (UTC)

Date	Julian Day	Start	End	Year
6/18/2010	169	1536	2400	2010
6/19/2010	170	0000	2400	2010
6/20/2010	171	0000	1348	2010
6/21/2010	172	0633	2400	2010
6/22/2010	173	0000	0950	2010
8/1/2010	213	1619	1955	2010

APPENDIX V

SUPPLEMENTAL SURVEY RECORDS AND CORRESPONDENCE

Subject: Fwd: Re: Draft policy on elevated pipelines
From: "CDR Rick Brennan, NOAA" <Richard.T.Brennan@noaa.gov>
Date: Thu, 28 Jul 2011 20:29:23 -0400
To: James Miller <James.J.Miller@noaa.gov>, Edward Owens <Edward.Owens@noaa.gov>, 'Gene Parker' <Castle.E.Parker@noaa.gov>

My comments from way-back-when...

-------- Original Message --------
Subject: Re: Draft policy on elevated pipelines
Date: Mon, 19 Apr 2010 17:14:46 -0400
From:LCDR Rick Brennan, NOAA <Richard.T.Brennan@noaa.gov>
To: Doug Baird <Doug.Baird@noaa.gov>, Jeffrey Ferguson <Jeffrey.Ferguson@noaa.gov>, Mike Brown <Mike.Brown@noaa.gov>, "John.Nyberg" <John.Nyberg@noaa.gov>, "'howard.danley@noaa.gov'" <Howard.Danley@noaa.gov>, Ed Martin <Ed.Martin@noaa.gov>

Doug,

Edits are in-line in the attached document.

Rick

Doug Baird wrote:

> For your comments. If the linear dimensions of the pipeline cause format problems with the DTON reporting, we may end up using a different mechanism for reporting hazardous pipelines.
>
> In the interest of moving this forward, and yet not being too onerous - please provide your suggestions by Monday, May 3rd.

--

LCDR Rick Brennan, NOAA
Chief, Atlantic Hydrographic Branch
439 West York Street
Norfolk, VA 23510
Office: 757-441-6746
Cell: 443-994-3301

Learn about "America's Seventh Service":
www.noaacorps.noaa.gov
Learn about NOAA's Office of Coast Survey:
www.nauticalcharts.noaa.gov

Elevated pipelines_draft_RTB_edits.docx	**Content-Type:**	application/vnd.openxmlformats-officedocument.wordprocessingml.document
	Content-Encoding:	base64

Policy text for Elevated pipelines deemed to be hazards to surface navigation

This policy does not address exposed pipelines that are close to the sediment. This policy will address pipelines that are significantly elevated from the bottom sediment and could pose a hazard to surface navigation. The definition of significant is the same as hydrographic survey object detection standards – i.e., greater than ~~2~~ 1 meters (~~6~~ 3 feet) off the bottom between the ~~to~~ depths of 0 and 20 meters (65 feet), then 10% off the ~~bottom~~ water depth ~~to the deeper range~~for depths deeper than 20 m.

In water depths between 4 meters (13 feet) and 40 meters (130 feet), pipelines that are elevated a significant height off the bottom and therefore pose a hazard to surface navigation, the in-house field unit (or processing branch if contracted field unit) that discovers the pipeline is to contact the relevant Coast Survey Navigation Manager with the appropriate information regarding the elevated pipeline. The Nav Manager is to then contact the relevant regulatory authority for that region (e.g., USACE or MMS) and inform them of the hazardous situation regarding the noted pipeline. Coast Survey expects the regulatory authority to alert the permitted owner of the noted pipeline and require the owner to bury the pipeline as dictated by the terms of the permit.

After a period of ~~30~~ 15 calendar days, and no longer than ~~45~~ 30 calendar days, from initial contact with the Nav Manager, the Nav Manager is to inform the processing branch of the status of the reburial effort. If positive effect of reburial has occurred or is anticipated within a reasonably short time frame, then the processing branch should ensure that the pipeline is adequately charted. If positive effect of reburial has not occurred or is not expected, the processing branch should then forward a Danger to Navigation message to the following e-mail address ocs.ndb@noaa.gov. The DTON message should include the least depth of the pipeline, the geographic coordinates for the length of the elevated pipeline section(s), and any relevant information regarding ownership, permit issued, etc. that was learned from the Nav Managers interaction with the regulatory authority and/or pipeline owner.

MCD will then chart the DTON as an obstruction (least depth known), linear obstruction with caution area, or other symbol as appropriate to the size of the elevated pipeline section and scale of the chart and requirements of the chart product. After MCD has charted the DTON obstruction, the navigation manager shall continue to contact the USACE, MMS, or the pipeline owner periodically until it has been established that the pipeline has been reburied or that reburial will not take place.

Comment [r1]: The entire time we have to review a survey is (technically) 21 days. I don't want to make this time longer than the time the survey should be in our system.

Comment [r2]: I believe we currently tell the ACOE that if they will be removing the DTON within 2 weeks we will hold off on submitting the DTON. If longer than this, we will move forward with publishing the DTON.

It also seems that there should be some burden of proof provided by the owner that the pipeline has been serviced as expected. I don't think we should just take them at their word.

REPORT OF DANGER TO NAVIGATION

Hydrograhpic Survey Registry Number: H12243
State: Louisiana
Locality: Gulf of Mexico
Sub Locality: 5 NM SW of Entrance to Lake Pelto
Project Number: OPR-K354-KR-10

The following item was found during hydrographic survey operations

Object Discovered: Obstruction

Covered 24 feet corrected to Mean Lower Low Water using observed tide correctors.

Affected nautical charts

Chart Number	Edition		Reported Depth	Charted Horizontal Datum	Geographic Position	
	No	Date			Latitude	Longitude
11357	40	06/09	24 feet	NAD 83	28°58'54.8"N	90°49'03.5"W
11340	74	08/09	4 fathoms			

Danger to Navigation

Survey Summary

Survey Position: 28°58’54.8”N, 90°49’03.5”W
Least Depth: 24.505 feet
Timestamp: 2010-08-01 19:40.28.491
Survey Line: H43-I-D4
Charts Affected: 11357 and 11340

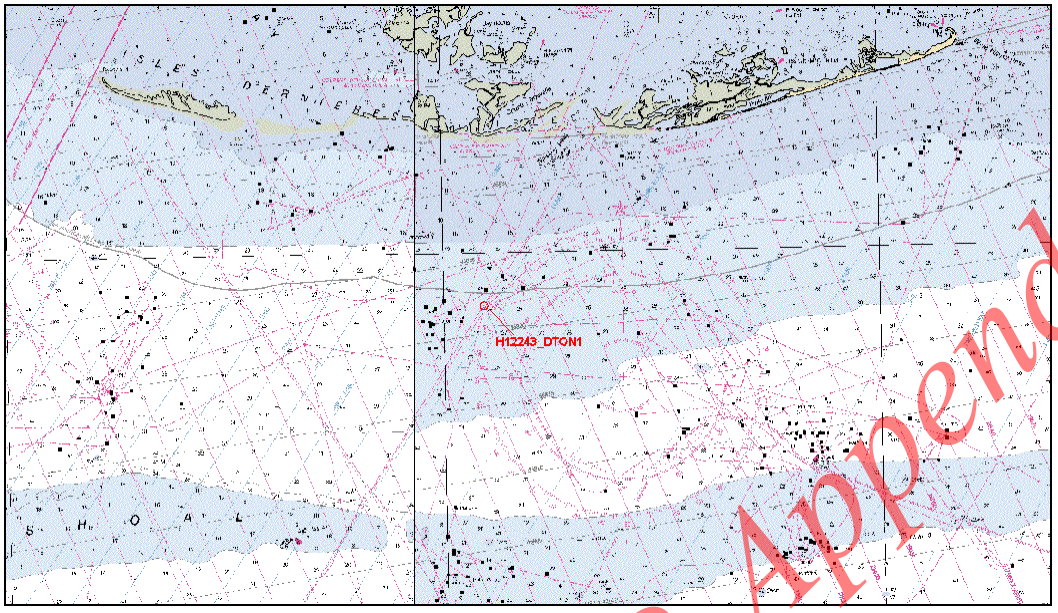
Remarks:

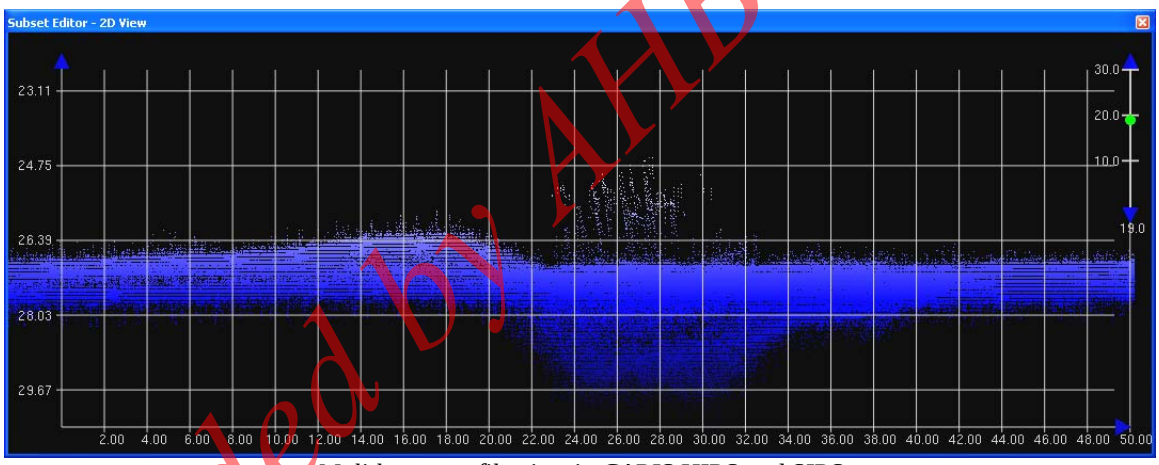
Least depth measurement of this item is 24.505 feet in charted 25 ft depths. After observed tide corrections, the surveyed depths in this area are 27 feet, meaning this feature protrudes approximately 2.5 feet above the sea floor. The feature was located with sidescan sonar and further developed using a multibeam echo sounder.

Hydrographers Recommendations:

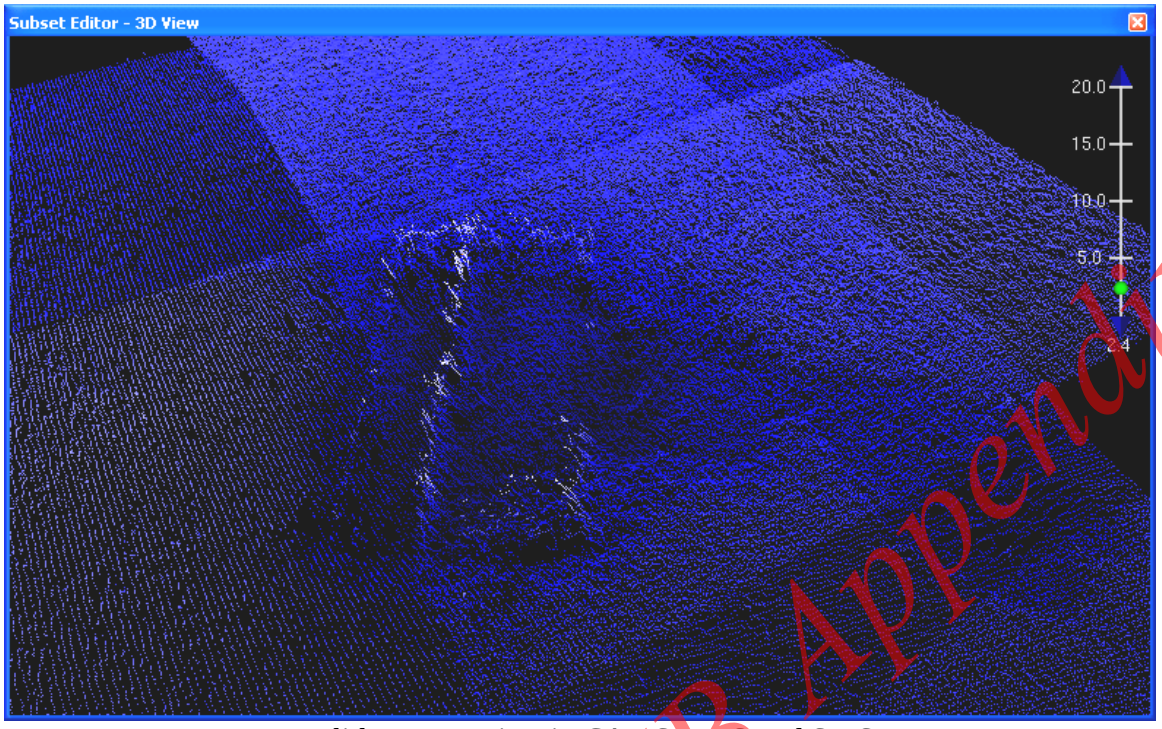
It is recommended that this item be charted as a 24 ft obstruction at 28°58’54.8”N, 90°49’03.5”W.

Feature Correlation

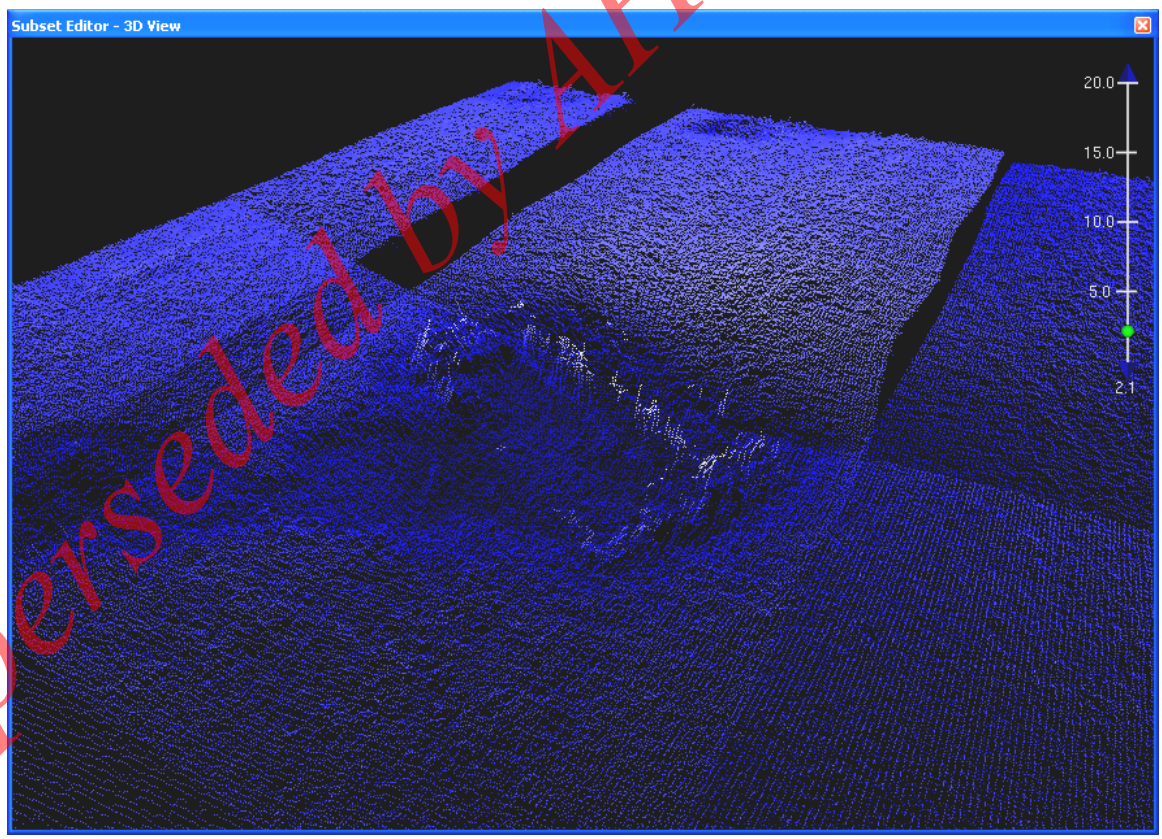




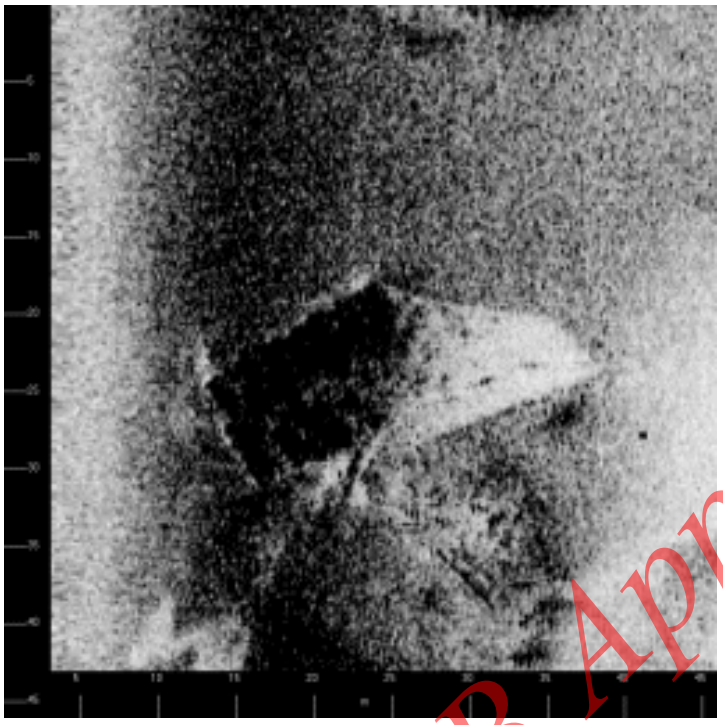
Mulitbeam profile view in CARIS HIPS and SIPS



Mulitbeam 3D view in CARIS HIPS and SIPS



Mulitbeam 3D view in CARIS HIPS and SIPS



Sidescan Sonar image in Sonarwiz MAP

AHB COMPILATION LOG

General Survey Information	
REGISTRY No.	***H12243***
PROJECT No.	***OPR-K354-KR-10***
FIELD UNIT	***C&C Technologies***
DATE OF SURVEY	***20100618 - 20100801***
LARGEST SCALE CHART	***11356, edition 38, 20080601, 1:80,000***
ADDITIONAL CHARTS	***11357, edition 41, 20110501, 1:80,000***
SOUNDING UNITS	***FEET***
COMPILER	***Deborah A. Bland***

Source Grids	**File Name** T:\CompileQueue\H12243_K354_CC\AHB_H12243\SAR Final Products\GRIDS
	H12243_AHB_2m_Uncert_Final.csar **H12243_Sub1_50cm_Uncertainty_Final.csar**
Surfaces	**File Name** T:\CompileQueue\H12243_K354_CC\AHB_H12243\COMPILE\Working
Combined	**H12243_4m_Combined.csar**
Interpolated TIN	\Interpolated TIN\ **H12243_12m _InterpTIN.csar**
Shifted Interpolated TIN	\Shifted Surface\ **H12243_12m _InterpTIN_Shifted.csar**
Final HOBs	**File Name** T:\CompileQueue\H12243_K354_CC\AHB_H12243\COMPILE \Final_Hobs
Survey Scale Soundings	**H12243_SS_Soundings.hob**
Chart Scale Soundings	**H12243_CS_Soundings.hob**
Contour Layer	**H12243_Contours.hob**
Feature Layer	**H12243_Features.hob**
Meta-Objects Layer	**H12243_MetaObjects.hob**
Blue Notes	**H12243_BlueNotes.hob**
ENC Retain Soundings	**N/A**

Meta-Objects Attribution	
Acronym	**Value**
M_COVR	
CATCOV	1 – coverage available
SORDAT	20100801
SORIND	US,US,graph,H12243
M_QUAL	
CATZOC	1 – zone of confidence A1
INFORM	*M/V Inez McCall*
POSACC	5.0 m
SORDAT	20100801
SORIND	US,US,graph,H12243
SUREND	20100801
SURSTA	20100618
DEPARE	
DRVALV 1	23.0 ft
DRVALV2	36.0 ft
SORDAT	20100801
SORIND	US,US,graph,H12243

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 80K
  - i. Use single-defined radius: 1
  - ii. And/Or use radius table file: N/A [*XXk = chart scale*]
- d. Queried Depth of All Soundings
  - i. Minimum: 7.157 m
  - ii. Maximum: 10.702 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: H12243_depth_contours.txt
- c. Output Options: Create contour lines
  - i. Line Object: DEPCNT
  - ii. Value Attribute: VALDCO

V. FEATURES:
- a. Number of Chart Features: 18 [*all features included in H-Cell*]
- b. Number of Non-Chart Features: 1 [*all features submitted by field & not included in H-Cell*]

VI. CHART SURVEY SOUNDINGS (CS):
- a. Number of ENC CS Soundings: 44
- b. Attribute Name: Depth
- c. Selection criteria: Radius, Shoal bias
- d. Radius value is: Distance on the ground
  - i. Use single-defined radius: 640m
  - ii. And/Or use radius table file: N/A [*XXk = chart scale*]
- e. Number Survey CS Soundings: 38

VII. NOTES:

[*Type text*]