**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 Pello

**2010**

**CHIEFS OF PARTY**

Scott Croft, John Baker

**LIBRARY & ARCHIVES**

**DATE:** ____________________________
NOAA FORM 77-28             U.S. DEPARTMENT OF COMMERCE   REGISTRY No: H12243
(11-72)         NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HYDROGRAPHIC TITLE SHEET

FIELD NUMBER: Sheet 1

State:    Louisiana
General Locality:    Gulf of Mexico
Locality:    5 NM SW of Entrance to Lake Peltateau
Scale:    1:10,000 Date of Survey:    June 2010 to August 2010
Instructions Dated:    May 2010 Project Number:    OPR-K354-KR-10
Vessels:    MV 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

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)

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

<table>
<thead>
<tr>
<th></th>
<th>Inez McCall</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNM Side Scan + Multibeam</td>
<td>265.66</td>
<td>265.66</td>
</tr>
<tr>
<td>LNM Crosslines</td>
<td>15.06</td>
<td>15.06</td>
</tr>
<tr>
<td>LNM Investigations</td>
<td>2.92</td>
<td>2.92</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>System</th>
<th>Manufacturer</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multibeam Echo Sounder</td>
<td>Simrad</td>
<td>EM3002</td>
</tr>
<tr>
<td>Side Scan Sonar</td>
<td>Klein</td>
<td>5000</td>
</tr>
<tr>
<td>Single Beam Echo Sounder</td>
<td>ODOM</td>
<td>Echotrac DF3200 MK II</td>
</tr>
<tr>
<td>Motion Sensor</td>
<td>Applanix</td>
<td>POS MV</td>
</tr>
<tr>
<td>Primary Positioning System</td>
<td>CNAV</td>
<td>2050</td>
</tr>
<tr>
<td>Secondary Positioning System</td>
<td>CNAV</td>
<td>2050</td>
</tr>
<tr>
<td>Tertiary Positioning System</td>
<td>Applanix</td>
<td>POS MV</td>
</tr>
<tr>
<td>Sound Speed at Transducer</td>
<td>YSI Electroincs</td>
<td>600R</td>
</tr>
<tr>
<td>Primary CTD</td>
<td>Seabird</td>
<td>SBE19 Plus</td>
</tr>
<tr>
<td>Secondary CTD</td>
<td>Seabird</td>
<td>SBE19</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>LOCATIONS FROM CRP</th>
<th>Y (FORWARD)</th>
<th>X (STARBOARD)</th>
<th>Z (VERTICAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY C-NAV</td>
<td>2.977m</td>
<td>-0.457m</td>
<td>-6.491m</td>
</tr>
<tr>
<td>SECONDARY C-NAV</td>
<td>3.052m</td>
<td>0.476m</td>
<td>-6.490m</td>
</tr>
<tr>
<td>PRIMARY POS MV</td>
<td>2.960m</td>
<td>-0.971</td>
<td>-6.500m</td>
</tr>
<tr>
<td>SECONDARY POS MV</td>
<td>3.044m</td>
<td>0.965m</td>
<td>-6.478m</td>
</tr>
<tr>
<td>SINGLEBEAM DUCER</td>
<td>14.304m</td>
<td>0.170m</td>
<td>3.098m</td>
</tr>
<tr>
<td>MULTIBEAM DUCER</td>
<td>14.518m</td>
<td>0.170m</td>
<td>3.048m</td>
</tr>
<tr>
<td>PRIMARY POS MV IMU</td>
<td>14.976m</td>
<td>ON Q</td>
<td>-1.372m</td>
</tr>
<tr>
<td>DRAFT TUBE</td>
<td>-8.963m</td>
<td>2.621m</td>
<td>0.655m</td>
</tr>
<tr>
<td>SSS SHEAVE</td>
<td>-18.730m</td>
<td>ON Q</td>
<td>-5.452m</td>
</tr>
<tr>
<td>MAG SHEAVE</td>
<td>-18.955m</td>
<td>2.133m</td>
<td>-4.480m</td>
</tr>
<tr>
<td>SBP SHEAVE</td>
<td>-14.485m</td>
<td>-4.85m</td>
<td>-3.100m</td>
</tr>
<tr>
<td>DF SINGLEBEAM DUCER</td>
<td>14.426m</td>
<td>-0.265m</td>
<td>3.090m</td>
</tr>
<tr>
<td>SECONDARY POS MV IMU</td>
<td>14.976m</td>
<td>ON Q</td>
<td>-1.157m</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Tide Zone</th>
<th>Reference Station</th>
<th>Primary/Secondary</th>
<th>Time Corrector</th>
<th>Range Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGM716</td>
<td>8762075</td>
<td>PRIM</td>
<td>-18</td>
<td>1.05</td>
</tr>
<tr>
<td>CGM717</td>
<td>8762075</td>
<td>PRIM</td>
<td>-12</td>
<td>1.09</td>
</tr>
<tr>
<td>CGM718</td>
<td>8762075</td>
<td>PRIM</td>
<td>-12</td>
<td>1.09</td>
</tr>
<tr>
<td>CGM732</td>
<td>8762075</td>
<td>PRIM</td>
<td>-6</td>
<td>1.09</td>
</tr>
<tr>
<td>CGM733</td>
<td>8762075</td>
<td>PRIM</td>
<td>-6</td>
<td>1.17</td>
</tr>
<tr>
<td>WGM266</td>
<td>8762075</td>
<td>PRIM</td>
<td>-18</td>
<td>1.21</td>
</tr>
<tr>
<td>WGM414</td>
<td>8762075</td>
<td>PRIM</td>
<td>-12</td>
<td>1.21</td>
</tr>
<tr>
<td>WGM415</td>
<td>8762075</td>
<td>PRIM</td>
<td>-6</td>
<td>1.21</td>
</tr>
<tr>
<td>WGM416</td>
<td>8762075</td>
<td>PRIM</td>
<td>-6</td>
<td>1.21</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chart Number</th>
<th>Corrected Through</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NM</td>
<td>LNM</td>
</tr>
<tr>
<td>11356</td>
<td>Jun 14/08</td>
<td>Jun 03/08</td>
</tr>
<tr>
<td>11357</td>
<td>Jun 06/09</td>
<td>Jun 02/09</td>
</tr>
<tr>
<td>11340</td>
<td>Aug 08/09</td>
<td>Jul 28/09</td>
</tr>
</tbody>
</table>

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 4½ 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 INFRASTRUCTURE  *See Appendix II of this Report for final charting recommendations.*

The following platforms were found as charted.

<table>
<thead>
<tr>
<th>Surveyed Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latitude</td>
</tr>
<tr>
<td>28°59'01.660&quot;N</td>
</tr>
<tr>
<td>28°58'53.920&quot;N</td>
</tr>
<tr>
<td>28°58'57.026&quot;N</td>
</tr>
<tr>
<td>28°58'43.902&quot;N</td>
</tr>
<tr>
<td>28°58'36.414&quot;N</td>
</tr>
<tr>
<td>28°58'21.489&quot;N</td>
</tr>
<tr>
<td>28°58'22.568&quot;N</td>
</tr>
<tr>
<td>28°59'15.062&quot;N</td>
</tr>
<tr>
<td>28°59'16.856&quot;N</td>
</tr>
</tbody>
</table>

The positions of the following charted platforms should be updated to reflect the surveyed position.
The following two platforms are connected by an elevated walkway.

The following uncharted platforms were present at the time of survey

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

<table>
<thead>
<tr>
<th>Charted Position</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Platform Name</th>
<th>Chart Action</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>28°58'37.667&quot;N</td>
<td>90°50'19.656&quot;W</td>
<td>SS 69#43</td>
<td>Remove</td>
</tr>
<tr>
<td></td>
<td>28°58'36.137&quot;N</td>
<td>90°50'17.939&quot;W</td>
<td>SS 69#3</td>
<td>Remove</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Surveyed Position</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Platform Name</th>
<th>Chart Action</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>28°58'39.704&quot;N</td>
<td>90°50'20.493&quot;W</td>
<td>SS 69#43</td>
<td>Add</td>
</tr>
<tr>
<td></td>
<td>28°58'34.544&quot;N</td>
<td>90°50'16.014&quot;W</td>
<td>SS 69#3</td>
<td>Add</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Surveyed Position</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Platform Name</th>
<th>Chart Action</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>28°58'32.842&quot;N</td>
<td>90°50'15.046&quot;W</td>
<td>SS 69 A</td>
<td>Remain as charted</td>
</tr>
<tr>
<td></td>
<td>28°58'31.779&quot;N</td>
<td>90°50'17.482&quot;W</td>
<td>SS 69 A</td>
<td>Remain as charted</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Charted Position</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Platform Name</th>
<th>Chart Action</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>28°59'06.874&quot;N</td>
<td>90°47'38.106&quot;W</td>
<td>SS 67 A</td>
<td>Add</td>
</tr>
<tr>
<td></td>
<td>28°59'14.131&quot;N</td>
<td>90°48'15.836&quot;W</td>
<td>No visible name</td>
<td>Add</td>
</tr>
<tr>
<td></td>
<td>28°58'36.167&quot;N</td>
<td>90°50'06.638&quot;W</td>
<td>SS 69#15</td>
<td>Add</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Charted Position</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Chart Action</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>28°58'38.156&quot;N</td>
<td>90°50'28.454&quot;W</td>
<td>Remove</td>
</tr>
<tr>
<td></td>
<td>28°58'16.151&quot;N</td>
<td>90°50'01.926&quot;W</td>
<td>Remove</td>
</tr>
<tr>
<td></td>
<td>28°58'06.284&quot;N</td>
<td>90°50'11.364&quot;W</td>
<td>Remove</td>
</tr>
<tr>
<td></td>
<td>28°58'05.608&quot;N</td>
<td>90°50'20.315&quot;W</td>
<td>Remove</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Number</th>
<th>Edition</th>
<th>Date</th>
<th>Scale (RNC)</th>
<th>RNC Correction(s)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>11357</td>
<td>39th</td>
<td>02/01/2008</td>
<td>1:80,000 (11357_1)</td>
<td>[L]NTM: ?</td>
</tr>
<tr>
<td>11356</td>
<td>38th</td>
<td>06/01/2008</td>
<td>1:80,000 (11356_1)</td>
<td>[L]NTM: ?</td>
</tr>
<tr>
<td>11340</td>
<td>73rd</td>
<td>08/01/2008</td>
<td>1:458,596 (11340_1)</td>
<td>[L]NTM: ?</td>
</tr>
<tr>
<td>1116A</td>
<td>73rd</td>
<td>08/01/2008</td>
<td>1:458,596 (1116A_1)</td>
<td>[L]NTM: ?</td>
</tr>
<tr>
<td>411</td>
<td>52nd</td>
<td>09/01/2007</td>
<td>1:2,160,000 (411_1)</td>
<td>[L]NTM: ?</td>
</tr>
</tbody>
</table>

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

Features

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Feature Type</th>
<th>Survey Depth</th>
<th>Survey Latitude</th>
<th>Survey Longitude</th>
<th>AWOIS Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Delete offshore platform</td>
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<td>28° 58' 22.6&quot; N</td>
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<td>28° 58' 05.9&quot; N</td>
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<td>28° 58' 31.8&quot; N</td>
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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

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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

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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

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**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

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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)
COMPILEDATION: 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

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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

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**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 of 28°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:
OFSPLEI/remrks: Platform found as charted

Feature Correlation

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Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPLEI)
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

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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

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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 of 28°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

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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

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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

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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)
COMPILEDATION: 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

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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/remarks: Platform found as charted

Feature Correlation

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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

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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.

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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

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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

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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:
OFSPFL/remrks: Platform found as charted

Feature Correlation

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Hydrographer Recommendations

Remain as charted

S-57 Data

Geo object 1: Offshore platform (OFSPFL)
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

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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

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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.
Charts Affected

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

Features

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<td>090° 47’ 38.1” W</td>
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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

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

Feature Correlation

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Hydrographer Recommendations

Add platform

S-57 Data

Geo object 1: Offshore platform (OFSPFLF)
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:
OFSPFL/remrks: The following uncharted platform was present at the time of the survey.

Feature Correlation

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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

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<td>[None]</td>
<td>28° 59' 02.2&quot; N</td>
<td>090° 51' 11.6&quot; W</td>
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<td>1.2</td>
<td>Retain seabed characteristic - mud</td>
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<td>090° 50' 16.0&quot; W</td>
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</table>
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

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<th>Feature</th>
<th>Range</th>
<th>Azimuth</th>
<th>Status</th>
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<td>US 0000052383 00001</td>
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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

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<th>Range</th>
<th>Azimuth</th>
<th>Status</th>
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### 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)

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<td>6/21/2010</td>
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<td>6/22/2010</td>
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<td>8/1/2010</td>
<td>213</td>
<td>1619</td>
<td>1955</td>
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APPENDIX V

SUPPLEMENTAL SURVEY RECORDS AND CORRESPONDENCE
My comments from way-back-when...

-------- Original Message --------

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.

--

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 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

Hydrographic 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

<table>
<thead>
<tr>
<th>Chart Number</th>
<th>Edition No</th>
<th>Date</th>
<th>Reported Depth</th>
<th>Charted Horizontal Datum</th>
<th>Geographic Position</th>
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<tbody>
<tr>
<td>11357</td>
<td>40</td>
<td>06/09</td>
<td>24 feet</td>
<td>NAD 83</td>
<td>28°58’54.8”N 90°49’03.5”W</td>
</tr>
<tr>
<td>11340</td>
<td>74</td>
<td>08/09</td>
<td>4 fathoms</td>
<td></td>
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</table>
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

Multibeam 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

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<td>PROJECT No.</td>
<td>OPR-K354-KR-10</td>
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<td>C&amp;C Technologies</td>
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<td>DATE OF SURVEY</td>
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<td>COMPILER</td>
<td>Deborah A. Bland</td>
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### Surfaces

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</table>
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.

**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

   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 [-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

    e. Number Survey CS Soundings: 38

VII. **NOTES:**
    [Type text]