

H12247

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

## DESCRIPTIVE REPORT

Type of Survey: Hydrographic Multibeam & 200% Sidescan

Project No. : OPR-K354-KR-10

Registry No. : H12247

### LOCALITY

State: Louisiana

General Locality: Gulf of Mexico

Sublocality: 8 NM SW of Entrance to Lake Pelto

2011

CHIEFS OF PARTY  
Scott Croft, John Baker

### LIBRARY & ARCHIVES

DATE: \_\_\_\_\_

NOAA FORM 77-28 (11-72)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  <b>HYDROGRAPHIC TITLE SHEET</b>	REGISTRY No: H12247
	<b>FIELD NUMBER:</b> Sheet 5	
State: <u>Louisiana</u>		
General Locality: <u>Gulf of Mexico</u>		
Locality: <u>8 NM SW of Entrance to Lake Pelto</u>		
Scale: <u>1:40,000</u> Date of Survey: <u>August 2010 to November 2011</u>		
Instructions Dated: <u>May 2010</u> Project Number: <u>OPR-K354-KR-10</u>		
Vessels: <u>M/V Inez McCall</u>		
Chiefs of Party: <u>Scott Croft, John Baker</u>		
Surveyed by: <u>C&amp;C Technologies Personnel</u>		
Soundings taken by echosounder, hand lead line, or pole: <u>Simrad EM3002 Multibeam Echo sounder</u>		
Verification by: <u>C&amp;C Technologies Personnel</u> <b><i>Atlantic Hydrographic Branch</i></b>		
Soundings in: Feet: <u>  X  </u> Fathoms: <u>      </u> Meters: <u>      </u> at MLW: <u>      </u> MLLW: <u>  X  </u>		
<b>Remarks:</b> Hydrographic Survey of Sheet 5 (H12247) <u>Data collection in meters, referenced to MLLW, later converted into feet</u> <u>200% side scan sonar, with concurrent multibeam coverage</u> <u>UTC time was used exclusively</u> <u>Grab samples were not taken</u> <u>Tidal Zones: CGM 716, 717, 718, 732, 733, WGM 266, 414, 415, 416</u> <u>Tidal Station: 8762075 (Port Fourchon, LA)</u> <b><i>UTM Zone 15N</i></b>		

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

INTRODUCTION .....	4
A. AREA SURVEYED .....	4
B. DATA ACQUISITION AND PROCESSING .....	5
B.1 EQUIPMENT .....	6
B.2 QUALITY CONTROL .....	6
B.2.1 SURVEY METHODS.....	6
B.2.2 CROSSLINES .....	6
B.2.3 UNCERTAINTY .....	8
B.2.4 SURVEY JUNCTIONS .....	8
B.2.5 SONAR SYSTEM QUALITY CONTROL.....	10
B.2.6 UNUSUAL CONDITIONS/FACTORS AFFECTING SOUNDINGS .....	11
B.3 CORRECTIONS TO ECHO SOUNDINGS.....	11
B.4 DATA PROCESSING .....	12
B.4.1 COVERAGE BASE SURFACE AND MOSAICS .....	12
B.4.2 SSS IMAGERY AND CONTACTS.....	13
C. VERTICAL AND HORIZONTAL CONTROL.....	13
D. RESULTS AND RECOMMENDATIONS .....	13
D.1 CHART COMPARISON.....	13
D.1.1 CHARTS AND NOTICES TO MARINERS .....	13
D.1.2 CHARTED SOUNDINGS.....	14
D.1.3 CHARTED FEATURES .....	21
D.1.3.1 CHARTED HAZARDOUS FEATURES/SHOALS .....	22
D.2 ADDITIONAL RESULTS .....	25
D.2.1 PRIOR SURVEYS.....	25
D.2.2 AIDS TO NAVIGATION.....	25
D.2.4 OTHER PERTINENT INFORMATION.....	26

## LIST OF ILLUSTRATIONS

Illustration No. 1: Large scale survey coverage graphic.....	4
Illustration No. 2: Small scale survey coverage graphic.....	5
Illustration No. 3: Color range map and histogram used to evaluate the depth.....	7
Illustration No. 4: H12247 survey junctions.....	8
Illustration No. 5: Color range map and histogram used to evaluate the.....	9
Illustration No. 6: Color range map and histogram used to evaluate the.....	10
Illustration No. 7: H12247 Survey area with colored depth ranges shown in Illustration No.8 .....	15
Illustration No. 8: CARIS color range map (in meters) used for Illustration No. 7. ....	16
Illustration No. 9: Illustration showing surveyed soundings greater than 30-ft extending north of the 30-ft contour. ....	17
Illustration No. 10: Illustration showing surveyed 30-ft depths extending north of the 30-ft contour into waters charted as more than 30-feet. ....	18
Illustration No. 11: Illustration showing surveyed 30-ft depths extending north of the 30-ft contour into waters charted as more than 30-feet. ....	19
Illustration No. 12: Illustration showing surveyed soundings greater than 30-ft extending north of the 30-ft contour into waters charted as less than 30-feet. ....	20
Illustration No. 13: Surveyed soundings that are greater than 30-ft that extend north of the charted 30-ft contour. ....	21
Illustration No. 14: BR “D” Fl (2) 5s ATON image from chart 11357 .....	26

## LIST OF TABLES

Table No. 1: Survey line statistics .....	5
Table No. 2: Additional survey line statistics.....	5
Table No. 3: Data acquisition dates .....	5
Table No. 4: Equipment List.....	6
Table No. 5: H12247 survey junctions .....	8
Table No. 6: Patch test results (July 6, 2010-south of Cameron, LA).....	11
Table No. 7: Patch test results (June 30, 2011 – south of Cameron, LA).....	11
Table No. 8: Patch test results (September 22, 2011 –south of Port Fourchon , LA) .....	11
Table No. 9: Patch test results (November 11, 2011 –south of Port Fourchon , La).....	11
Table No. 10: Multibeam positional offsets (from CRP) .....	12
Table No. 11: Multibeam angular offsets .....	12
Table No. 12: Nautical charts used for comparison.....	13
Table No. 13: Nautical chart correction dates .....	13
Table No. 14: LNM for submarine pipelines – chart No. 11357 .....	14
Table No. 15: AWOIS items assigned for full investigation. ....	22
Table No. 16: Significant contacts that required further investigation. ....	23
Table No. 17: Charted platforms – found as charted.....	24
Table No. 18: Uncharted platforms .....	24
Table No. 19: Charted platforms – not present.....	25
Table No. 20: List of acronyms found in DR, DAPR, contact listings and logs .....	26



## **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.*

## INTRODUCTION

The purpose of this survey is to provide accurate hydrographic data to NOAA, in order to update existing nautical charts in a high commercial traffic area in the Gulf of Mexico near the Louisiana coast.

### A. AREA SURVEYED

The survey area is located 8 NM SW of Entrance to Lake Pelto in the Gulf of Mexico. Illustrations No. 1 and 2 show the layout of Sheet 5 (H12247) of Project OPR-K354-KR-10. Water depths in the survey area range from 20 feet to 46 feet Mean Lower Low Water. Survey statistics that include the total survey line and crossline nautical miles, number of investigations, and data acquisition dates are shown in Tables No. 1 – 4. *Concur.*

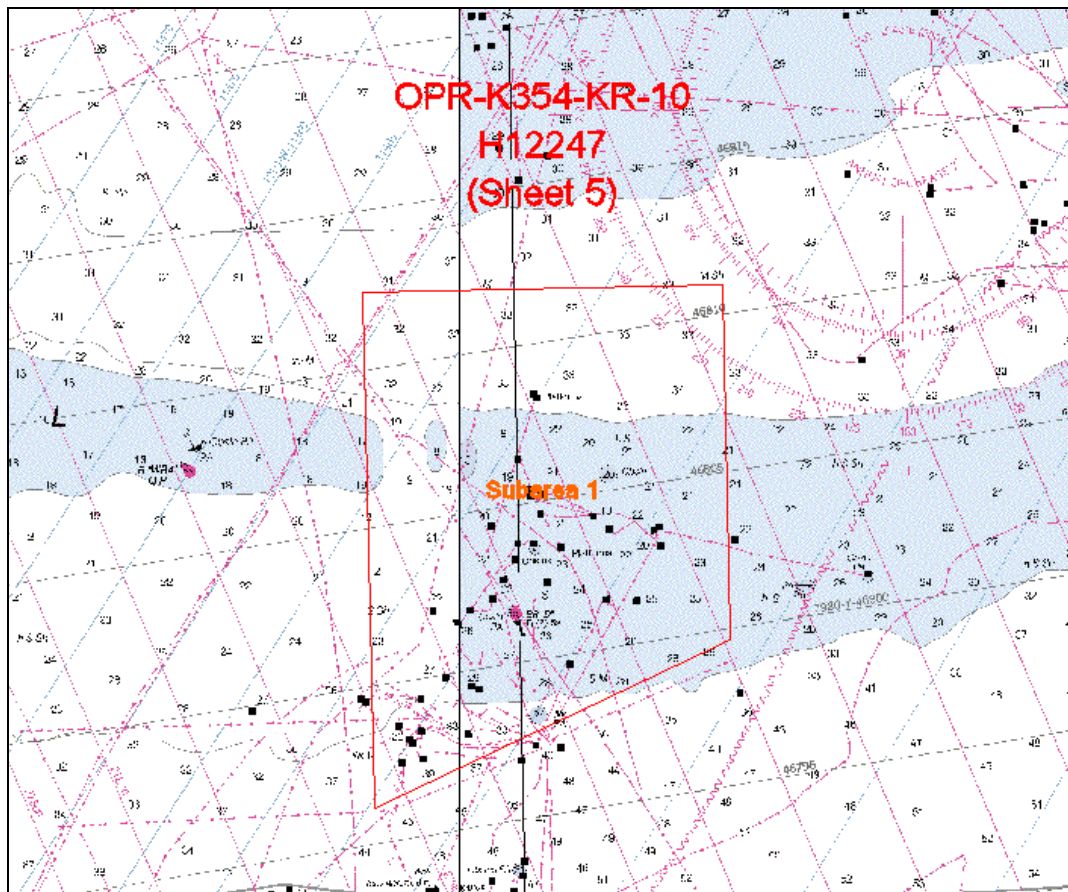
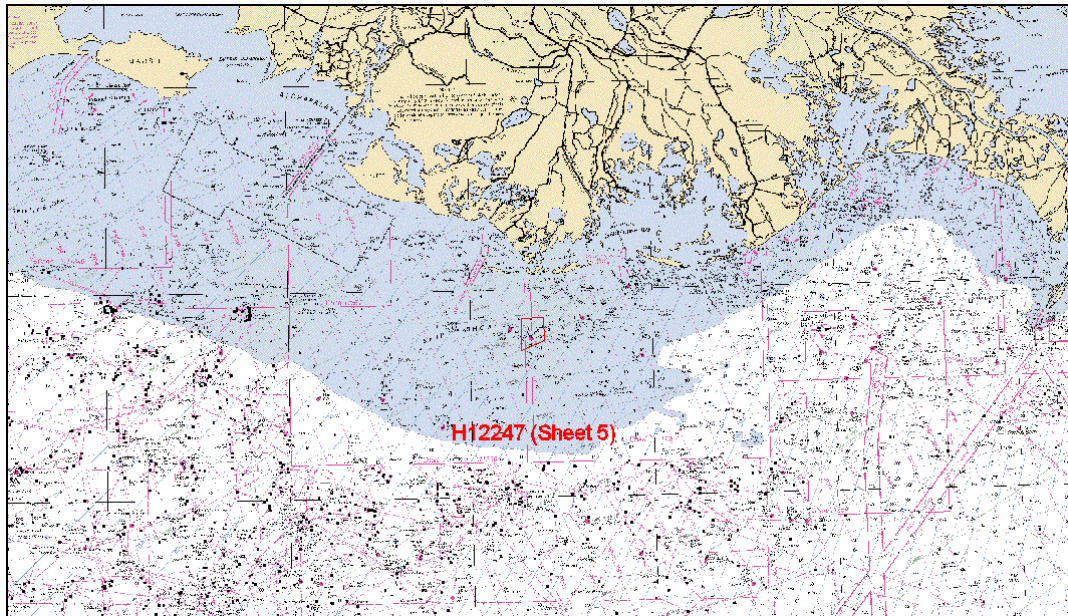


Illustration No. 1: Large scale survey coverage graphic

**Illustration No. 2: Small scale survey coverage graphic****Table No. 1: Survey line statistics**

	<i>Inez McCall</i>	Total
LNM Side Scan + Multibeam	320.82	320.82
LNM Crosslines	17.80	17.80
LNM Investigations	7.30	7.30

**Table No. 2: Additional survey line statistics**

Number of items investigated	10
Total square nautical miles	14.7

**Table No. 3: Data acquisition dates**

Month	Day	Year
August	8-11,15,23-25	2010
September	9	2010
October	21,22	2010
December	20,28	2010
August	24	2011
October	26	2011
November	12,23,24	2011

## B. DATA ACQUISITION AND PROCESSING

Refer to the OPR-K354-KR-10 \*Data Acquisition and Processing Report (DAPR) for additional information regarding survey systems, vessel diagrams, operational, processing and quality control procedures. Additional and supplemental information is included in this descriptive report. *\*Data included with survey deliverables.*

## B.1 EQUIPMENT

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. The equipment used for survey operations is listed in the following table.

**Table No. 4: Equipment List**

System	Manufacturer	Model
Multibeam Echo Sounder	Simrad	EM3002
Side Scan Sonar	Klein	5000
Single Beam Echo Sounder	ODOM	Echotrac DF3200 MK II
Motion Sensor	Applanix	POS MV
Primary Positioning System	CNAV	2050
Secondary Positioning System	CNAV	2050
Tertiary Positioning System	Applanix	POS MV
Sound Speed at Transducer	YSI Electronics	600R
Primary CTD	Seabird	SBE19 Plus
Secondary CTD	Seabird	SBE19
SSS Collection	Sonarwiz	Version 4
Multibeam Collection	C&C Technologies	Hydromap

## B.2 QUALITY CONTROL

Side scan sonar and multibeam data were acquired in accordance with the coverage required for this survey. To ensure quality control specific field procedures were conducted as well as a variety of data analyzing tools to validate the data. These methods are briefly outlined below. Refer to the \*DAPR for additional data acquisition, processing, and quality control procedures. ***\*Data included with survey deliverables.***

### B.2.1 SURVEY METHODS

In order to efficiently carry out this survey, main survey lines were oriented roughly east west throughout the survey area. Line spacing was set to 90 and 60 meters respectively and the sidescan was operated at ranges 100 and 75 meters. Originally line spacing was set at 90 meters throughout the whole survey; however, poor sidescan data quality led us to revise the line spacing over the Ship Shoal area. Tighter line spacing (60m) was set on the east side of the survey area where the edge of Ship Shoal is. These parameters allowed us to effectively meet the criteria using Technique 2, as set forth in Section 6.1 of the \*\*\*“Specifications and Deliverables” document. Coverage mosaics were developed using an odd/even numbering system to check that two separate 100-percent coverages were obtained. ***\*\*\*Data filed with original field records.***

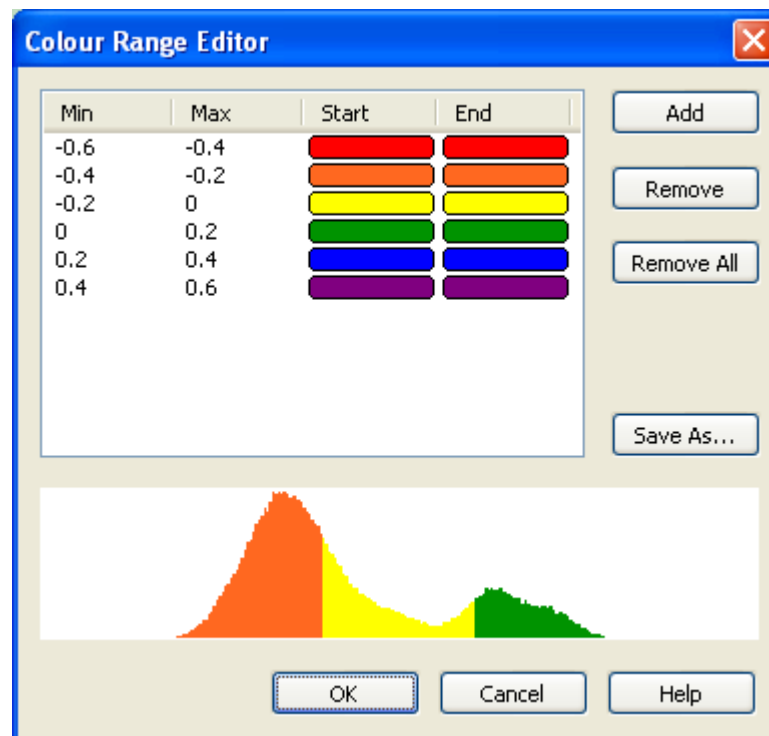
### B2.2 CROSSLINE

Crosslines were run prior to the collection of main line data so that quality control statistics could be performed on the data after each line. Based on pre-plot calculations, the total

crossline miles were 18 nm, while the total main line miles were 319 nm. The crosslines comprised about six percent of the total data set as compared to the main scheme lines. Rerun line miles are not included in these totals.

During data acquisition, each main line was also compared to all crosslines for which there was overlapping data. These graphs show the mean difference, RMS difference, and confidence interval for each beam. The main lines and crosslines depth values showed very good agreement

Crossline comparisons were also performed in CARIS HIPS/SIPS 7.1 using the surface difference tool. Separate 1-m BASE surfaces of the mainscheme lines and crosslines were created for each subarea and a difference BASE surface computed. The difference surface was examined with a user-defined color range map in 0.2 m increments from -0.6 m to 0.6 m. In subarea 1 the frequency distribution of the differences between the mainscheme lines and the crosslines shows that all of the depth deviations are within specifications (Illustration No. 3). The depth values do not differ by more than the maximum allowable TVU (total vertical uncertainty) for IHO order 1a surveys in water depths of 6 to 14 m, which ranges from  $\pm 0.51$  to  $\pm 0.53$ .



**Illustration No. 3. Color range map and histogram used to evaluate the depth differences between mainline and crosslines for Subarea 1.**

Additional crossline information was generated by comparing each of the crosslines to the depth layer of a 1-m BASE surface of the main survey lines. The mainline and crossline depth values showed very good agreement. In general, >99% of crossline soundings were considered to meet IHO Order 1a standards. Crossline comparisons generated with the CARIS QC report utility are shown in *\*Separate IV. \*Data filed with original field records.*



### B.2.3 UNCERTAINTY

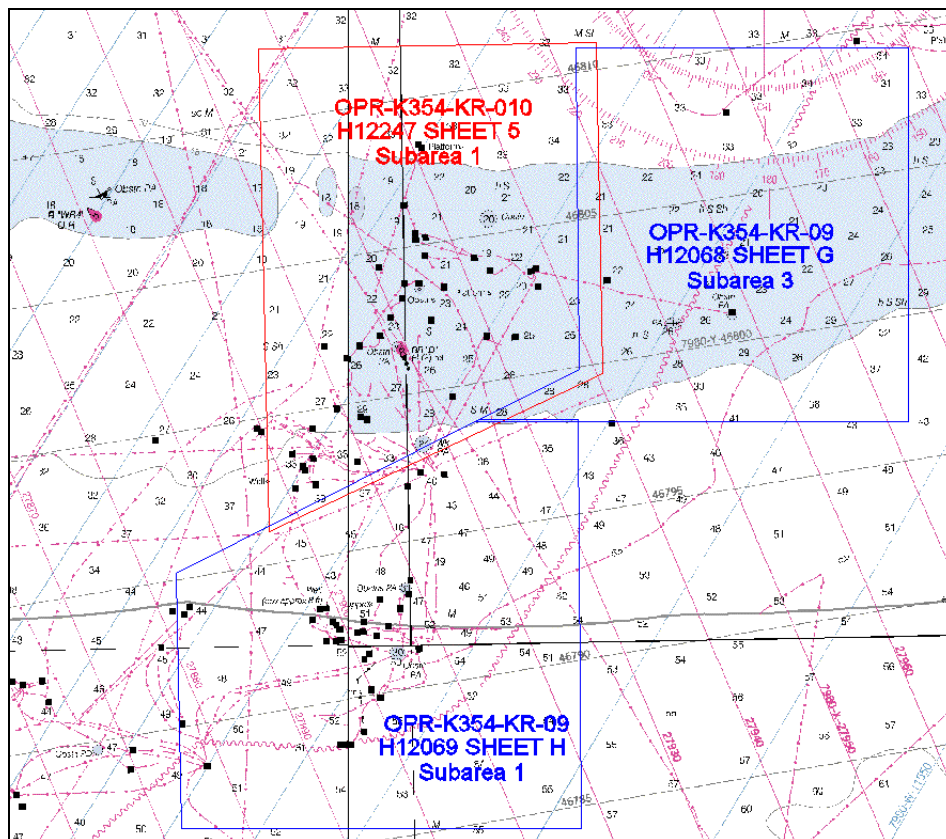
CARIS HIPS was used to compute the Total Propagated Uncertainty (TPU) for each sounding. The measured tide uncertainty parameter was set to 0.009 m and the zoning parameter set to 0.102 m. The measured sound speed parameter was set to 2 m/s and the surface sound speed parameter to 0.800 m/s. All BASE surfaces were created based upon the IHO Order 1a standards.

### B.2.4 SURVEY JUNCTIONS

This survey has junctions with two surveys on its eastern and southern margins. Details of these surveys are shown in Table No. 5 and outlined in Illustration No. 4.

**Table No. 5: H12247 survey junctions**

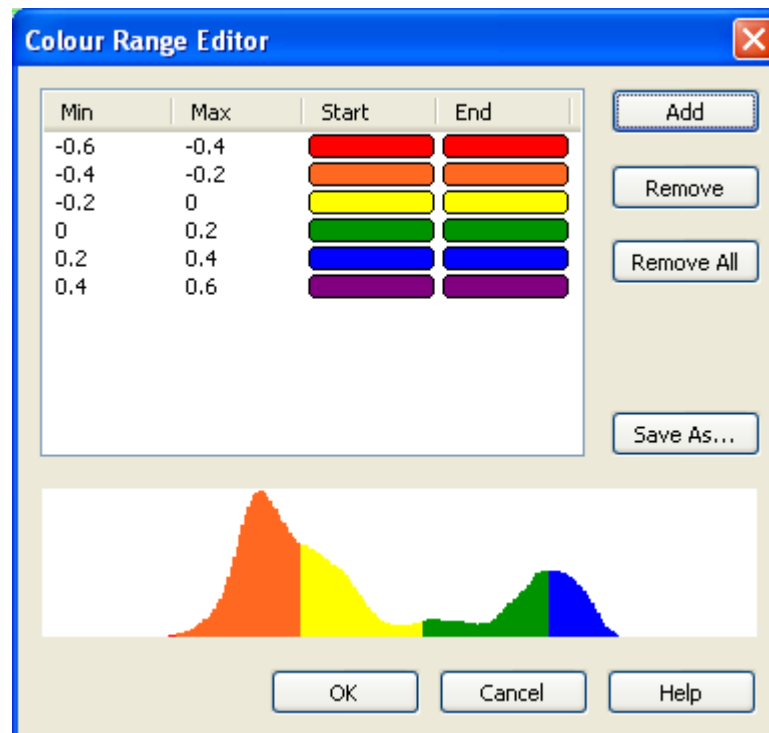
Registry Number	Scale	Year	Platform	Relative Location
H12068	10000	2010	C&C Technologies, Inc.	N
H12069	10000	2010	C&C Technologies, Inc.	S



**Illustration No. 4: H12247 survey junctions**

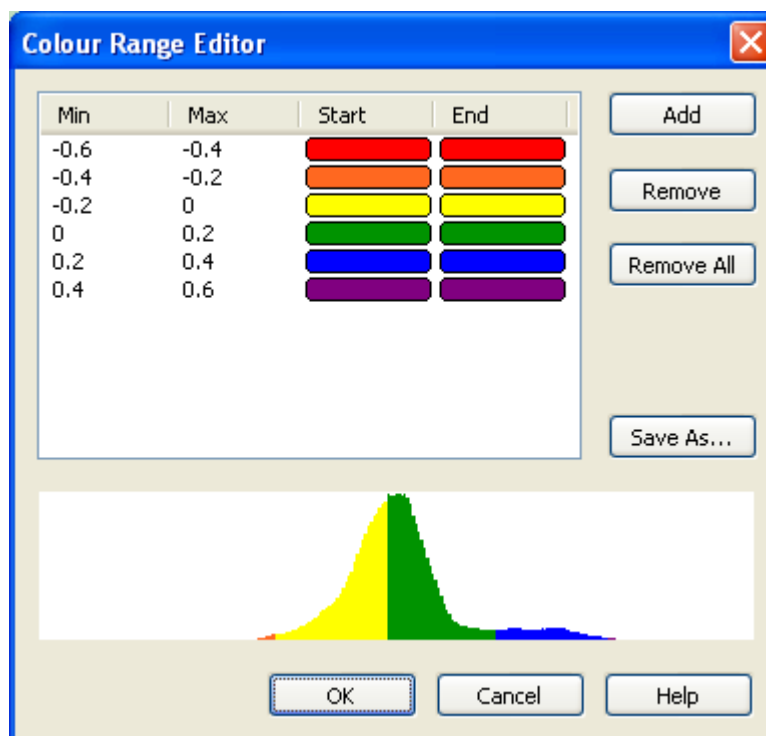
Although continuous multibeam coverage is not obtained within a survey or between surveys due to the set-line spacing criteria, CARIS difference surfaces between the junction surveys H12068 and H12069 from project 097270 and survey H12247 were computed to ensure general agreement of depths where overlap of sounding data occurred.

The first surface created evaluated the depth difference between H12068 and H12247. A user-defined color range map was created in 0.2 m increments from  $-0.6$  to  $0.6$  m. The depth difference values range between  $-0.4$  m and  $0.4$  m (Illustration No. 5).



**Illustration No. 5: Color range map and histogram used to evaluate the depth differences between H12068 and H12247.**

The second surface evaluated the difference between H12069 and H12247. A user-defined color range map was created in 0.2 m increments from  $-0.6$  to  $0.6$  m to evaluate the difference between the two surfaces. The depth difference values range between  $0.6$  m and  $-0.4$  m with the majority of the values ranging between  $0.2$  m and  $-0.4$  m (Illustration No. 6).



**Illustration No. 6: Color range map and histogram used to evaluate the depth differences between H12069 and H12247.**

### B.2.5 SONAR SYSTEM QUALITY CONTROL

Five patch tests were performed to calibrate the multibeam system. An initial patch test took place south of Cameron, LA on July 6, 2010. Another three patch tests were performed; the first outside of Port Fourchon, LA on the 14<sup>th</sup> of June 2011, the second was south of Cameron, LA on July 30<sup>th</sup>, 2011 and a third on September 20<sup>th</sup>, 2011 outside Port of Fourchon, LA.

On June 14<sup>th</sup>, 2011 a patch test was performed for the commencement of the 2011 NOAA project OPR-K354-KR-11. A second test was done as a check on the quality of the first calibration. The results from the July 30<sup>th</sup> patch tests were used as the final angular offsets. This was done because of concerns with the accuracy of the heading results.

On September 22<sup>th</sup>, 2011, the EM3002 stopped working. After troubleshooting the topside and connections, it was determined that the problem was below the waterline, either with the cable or with the transducer. The boat was put into dry dock; the transducer and cable were replaced and a new patch test was performed. Results are shown in Table No. 8.

On November 11, 2011 another patch test was conducted after noticing misalignment in investigation multibeam data in CARIS. Results are shown in Table No. 9. The vessel file in CARIS was updated and correctors applied for data between September 22 and November 11, 2011.





All results of these tests were entered into the SIS software, and are shown in the tables below.

**Table No. 6: Patch test results (July 6, 2010-south of Cameron, LA)**

Roll	Pitch	Heading
-0.236°	2.440°	358.430°

**Table No. 7: Patch test results (June 30, 2011 – south of Cameron, LA)**

Roll	Pitch	Heading
-0.125°	4.463°	-1.665°

**Table No. 8: Patch test results (September 22, 2011 –south of Port Fourchon , LA)**

Roll	Pitch	Heading
-0.117°	4.755°	-1.569°

**Table No. 9: Patch test results (November 11, 2011 –south of Port Fourchon , La)**

Roll	Pitch	Heading
-0.17°	3.72°	2.521°

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

Leadlines were conducted daily, when possible, to assess whether draft corrections needed to be applied to the multibeam collection software. The lead line logs are included in Separate I – *\*Data Acquisition and Processing Logs. \*Data included with survey deliverables.*

An Odom Echotrac MKII single beam echosounder was used as an independent check on the multibeam system. Sound velocity was imported daily into the echo sounder.

Sound velocity casts were performed daily to measure the sound speed in the water column. Often casts were performed more than once to ensure accurate multibeam bottom detection. The water column sound speed was compared to the sound speed at the transducer. An Endeco YSI sound speed profiler was used to determine the sound speed at the transducer. Refer to the *\*Data Acquisition and Processing Report* for a description of sound speed corrections and to Separates II – Sound Speed Data for additional information. *\*Data included with survey deliverables.*

## **B.2.6 UNUSUAL CONDITIONS/FACTORS AFFECTING SOUNDINGS**

No unusual conditions/factors affected the soundings or the quality of the data.

## **B.3 CORRECTIONS TO ECHO SOUNDINGS**

Prior to data collection on October 7<sup>th</sup> 2010, the computer for the EM3002 control software was swapped out due to a hardware failure. At this time, the positional and angular EM3002



mounting offsets in the control software (SIS) were also changed. No change should have been made to the offsets, and all future data was collected using these incorrect values.

To correct this error, the HIPS vessel file was updated with a second entry under Swath 1. This entry, beginning on October 7<sup>th</sup> (2010-280), uses the HVF correction values found in tables No. 10 and No. 11 below to adjust the data.

Due to the shallow water in the area, the angular, along track, and across track values went unnoticed. The vertical offset of nearly 0.4 meters was noticed right away when the lead line performed prior to data collection on 2010-280 was off by 0.4 meters. This error was corrected for in the multibeam control software as a subtraction to the waterline to CRP (draft) value. Because of this real-time correction, the 0.398-meter vertical offset is not entered in the HIPS vessel file.

**Table No. 10: Multibeam positional offsets (from CRP)**

	Y (Forward)	X (Starboard)	Z (Vertical)
Correct value	14.518 m	0.170 m	3.048 m
Incorrect value	14.80 m	0.00 m	2.65 m
HVF correction	-0.282	0.170	0.398

**Table No. 11: Multibeam angular offsets**

	Roll (Positive starboard down)	Pitch (Positive bow up)	Heading (Positive clockwise)
Correct value	-0.125	4.463	358.335(-1.665)
Incorrect value	0.10	9.3	3.28
HVF correction	-0.225	-4.837	-4.945

## B.4 DATA PROCESSING

Refer to the *\*Data Acquisition and Processing Report* for further details on the side scan sonar and multibeam processing. *\*Data included with survey deliverables.*

### B.4.1 COVERAGE BASE SURFACE AND MOSAICS

Multibeam data processing was conducted using CARIS HIPS/SIPS 6.1 on the vessel and CARIS HIPS/SIPS 7.1.0 with Hot Fixes 1 and 2 in the office. One BASE surface was created for each subarea at a scale of 1:40000 with a resolution of 1 meter, in accordance with the project instructions for this survey, which states that a 1-m BASE surface will be created for 0-20 m water depths. One BASE surface was created for investigations at a scale of 1:40000 and a resolution of 0.5 m.

Side scan sonar data was processed using Chesapeake Technologies SonarWiz4 V.4.04.0118 software in the field and SonarWiz5 V.5.03.0027 software in the office. All of the side-scan sonar data collected for this project has been layback corrected. Mosaics at 1-m resolution were created for even and odd lines in each subarea to check for 100% SSS coverage.



## B.4.2 SSS IMAGERY AND CONTACTS

SSS data was evaluated twice and all contacts with a shadow identified on each 100% SSS coverage. These contacts were correlated and evaluated in either the CARIS HIPS/SIPS or CARIS Notebook map window with respect to BASE surfaces and charted information. In accordance with Section 6.3.2 of the HSSD (2010), in water depths of less than or equal to 20 m, contacts with heights computed from the shadow length of 1 m or more were considered significant. All significant contacts not fully developed with mainscheme MBES coverage were investigated with additional MBES coverage. A sounding that represented the least depth of each investigated contact was designated using CARIS HIPS/SIPS. A list of all side scan sonar contacts is contained in \*Separate V and significant features are represented and attributed in the S-57 feature file. \* *Data filed with original records.*

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

## 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.

**Table No. 12: Nautical charts used for comparison**

Chart Number	Scale	Edition	Edition Date
11356	1:80,000	38	Jun 08
11357	1:80,000	40	Jun 09

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

**Table No. 13: Nautical chart correction dates**

Chart Number	Corrected Through	
	NM	LNM
11356	Jun 14/08	Jun 03/08
11357	Jun 06/09	Jun 02/09

The Notices to Mariners were reviewed from the last updated notice for each digital chart to the end of 2010. During that time, five notices to mariners were issued for the charted area within the survey bounds. In "WNM 42/10, NIMA" dated 10/12/2010, an "Add Well (cov



24 ft) at 28°52'17.000"N, 90°50'46.000"W was issued for chart number 11356 and 11357. No evidence of this covered well was found at the time of survey. **Concur.**

Four LNM are for additions of Submarine Pipelines on chart number 11357. These pipelines are buried, making it impossible to confirm with side scan and multibeam. Below is a listing of these notices.

**Table No. 14: LNM for submarine pipelines – chart No. 11357**

Notice	Date	Name	Latitude	Longitude
"LNM 05/10, 8th Dist"	2/3/2010	Submarine Pipeline PT 2 OF 5	28°51'56.470"N	90°49'50.980"W
"LNM 05/10, 8th Dist"	2/3/2010	Submarine Pipeline PT 3 OF 5	28°52'03.480"N	90°49'52.180"W
"LNM 05/10, 8th Dist"	2/3/2010	Submarine Pipeline PT 4 OF 5	28°53'01.900"N	90°49'52.580"W
"LNM 05/10, 8th Dist"	2/3/2010	Submarine Pipeline PT 5 OF 5	28°53'01.900"N	90°49'50.750"W

### D.1.2 CHARTED SOUNDINGS

Charted soundings were compared to a sounding layer as well as color range maps. The sounding layers were generated from a 1-m BASE surface with a 137-ft single-defined radius, using a radius value of distance on the ground (in ft.). The middle region of the survey area is the shallowest (22 – 26 ft) while the southern region is the deepest at 39 – 45 ft (Illustration No. 7). Although the CARIS color range maps are in meters (Illustration No. 8), the general trends remain unchanged.

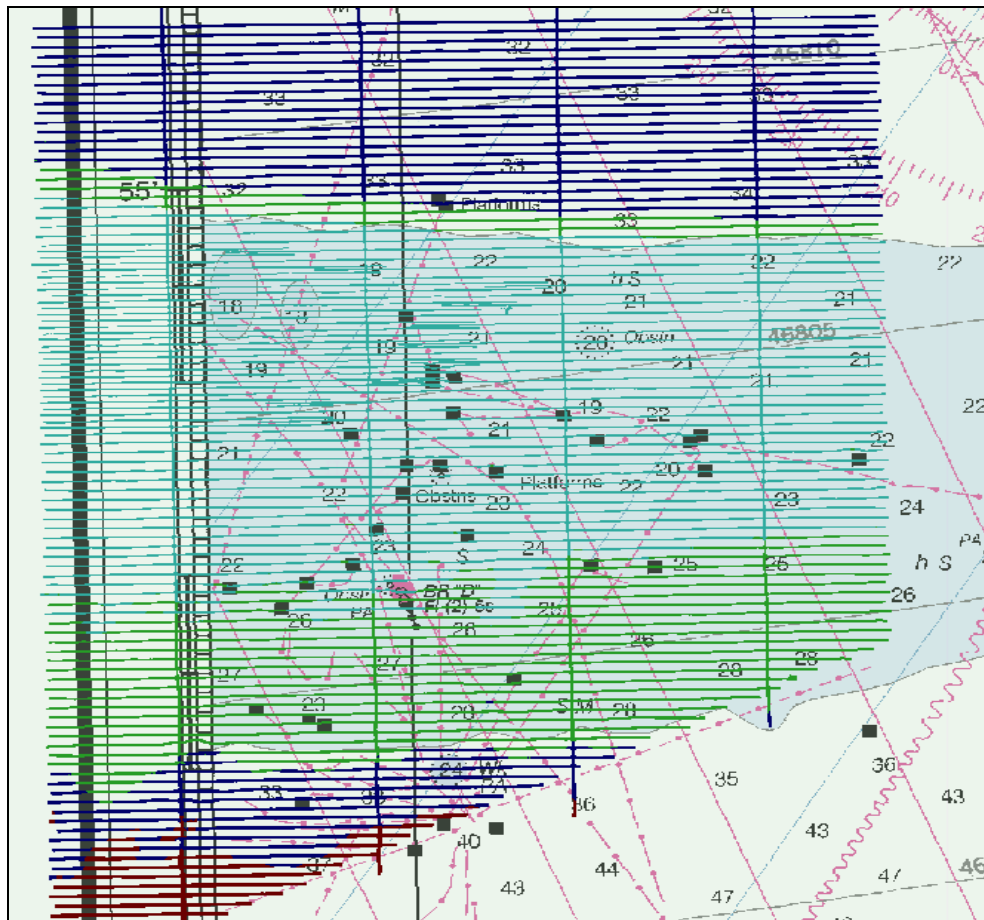
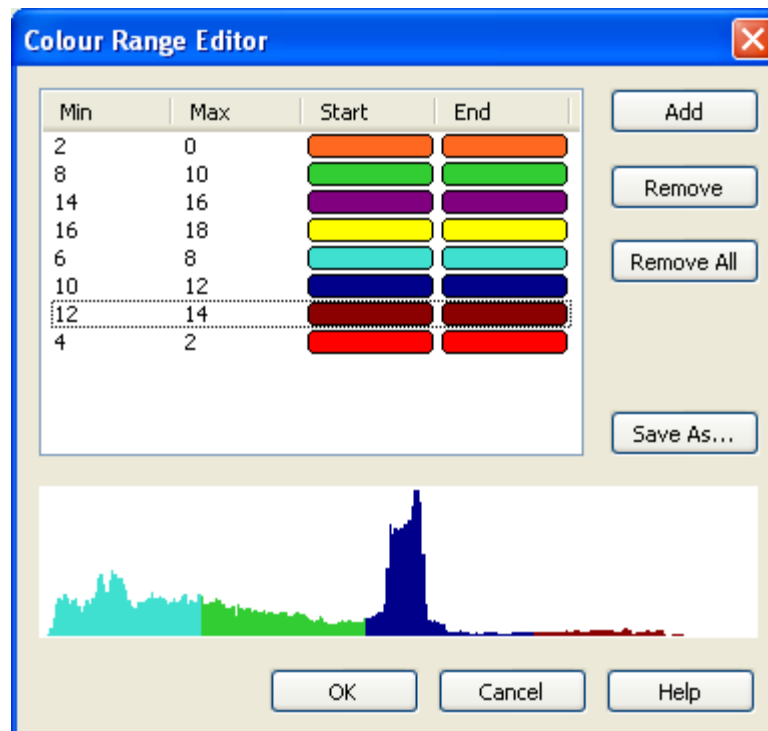


Illustration No. 7: H12247 Survey area with colored depth ranges shown in Illustration No.8





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**Illustration No. 8: CARIS color range map (in meters) used for Illustration No. 7.**

In general, charted and surveyed soundings are within 1 – 3 feet of each other, and charted soundings are mainly shoaler than surveyed soundings. This is not true however, along the charted 30-ft contours in the north and south of the survey area. *Concur.*

**D.1.2.1 30-FT CONTOUR COMPARISON**

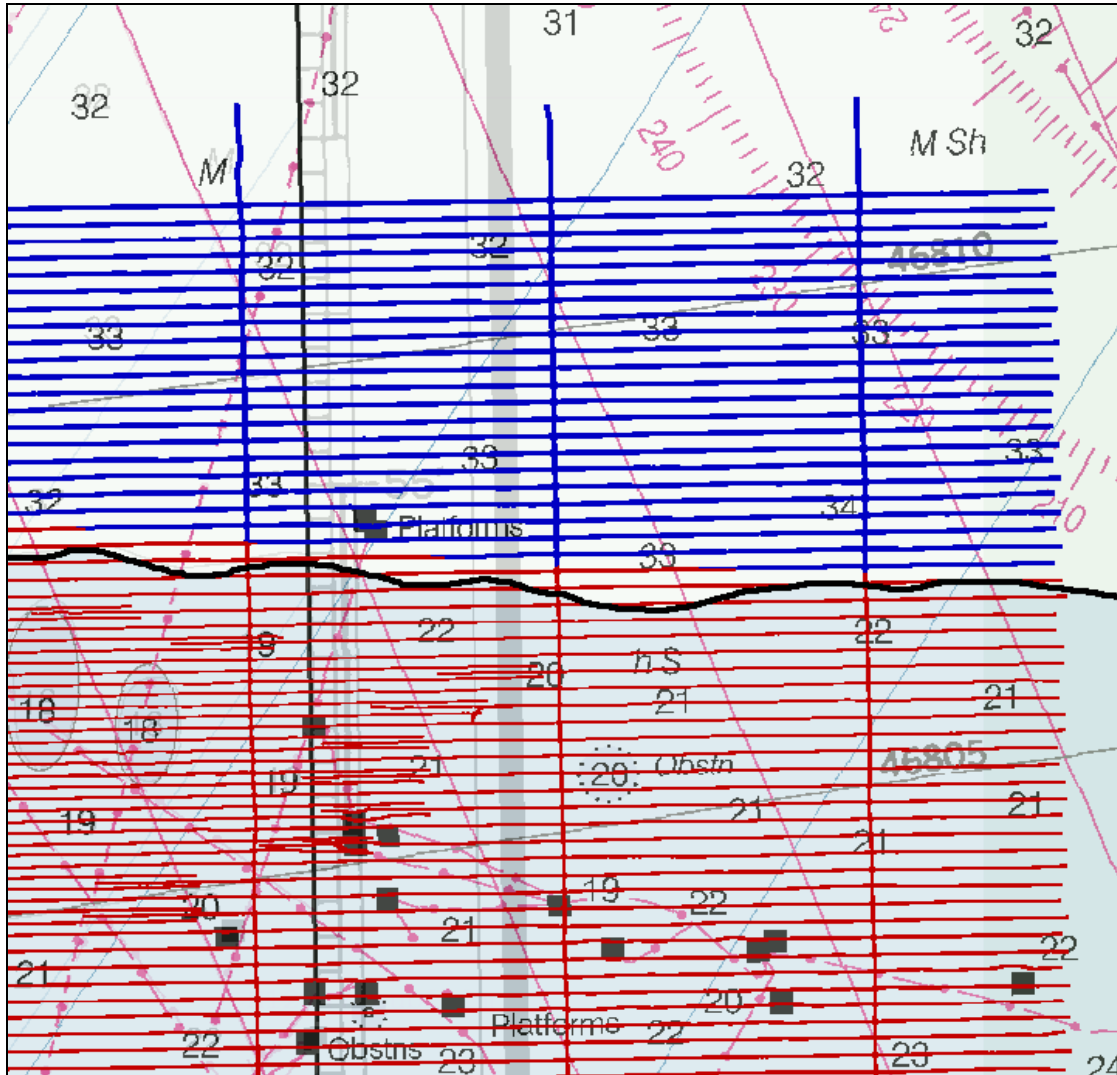
On charts 11356 and 11357 the 30-ft contour is charted in the northern and southern portions of the survey area. In order to evaluate any differences between the contour and surveyed soundings, two color range charts were created in CARIS. For the 30-foot contour comparison, soundings of 0 – 30 feet are displayed in red, and soundings over 30 feet are in blue. In general for both charts, surveyed soundings greater than 30 feet in the southern region of the survey area extend north of the charted 30-ft contour (Illustration No. 9). In the north, surveyed soundings less than 30 feet depths extend north of the charted 30-ft contour (Illustration No. 10).

Chart 11357

In general, the surveyed soundings greater than 30 feet in the southern region of the survey area are located 550 to 1100 feet north of the charted 30-ft contour as seen below in Illustration No. 9. The charted contour has been outlined in black for clarification.



In the north, surveyed soundings less than 30 feet extend north of the charted 30-ft contour (Illustration No. 10). However, in general, surveyed soundings less than 30-ft in the northern region of the survey area are located closer to the charted contour than in the southern region. On the east side of the survey area, as seen below in Illustration No. 10, the surveyed 30-ft depths line up with the charted 30-ft contour.

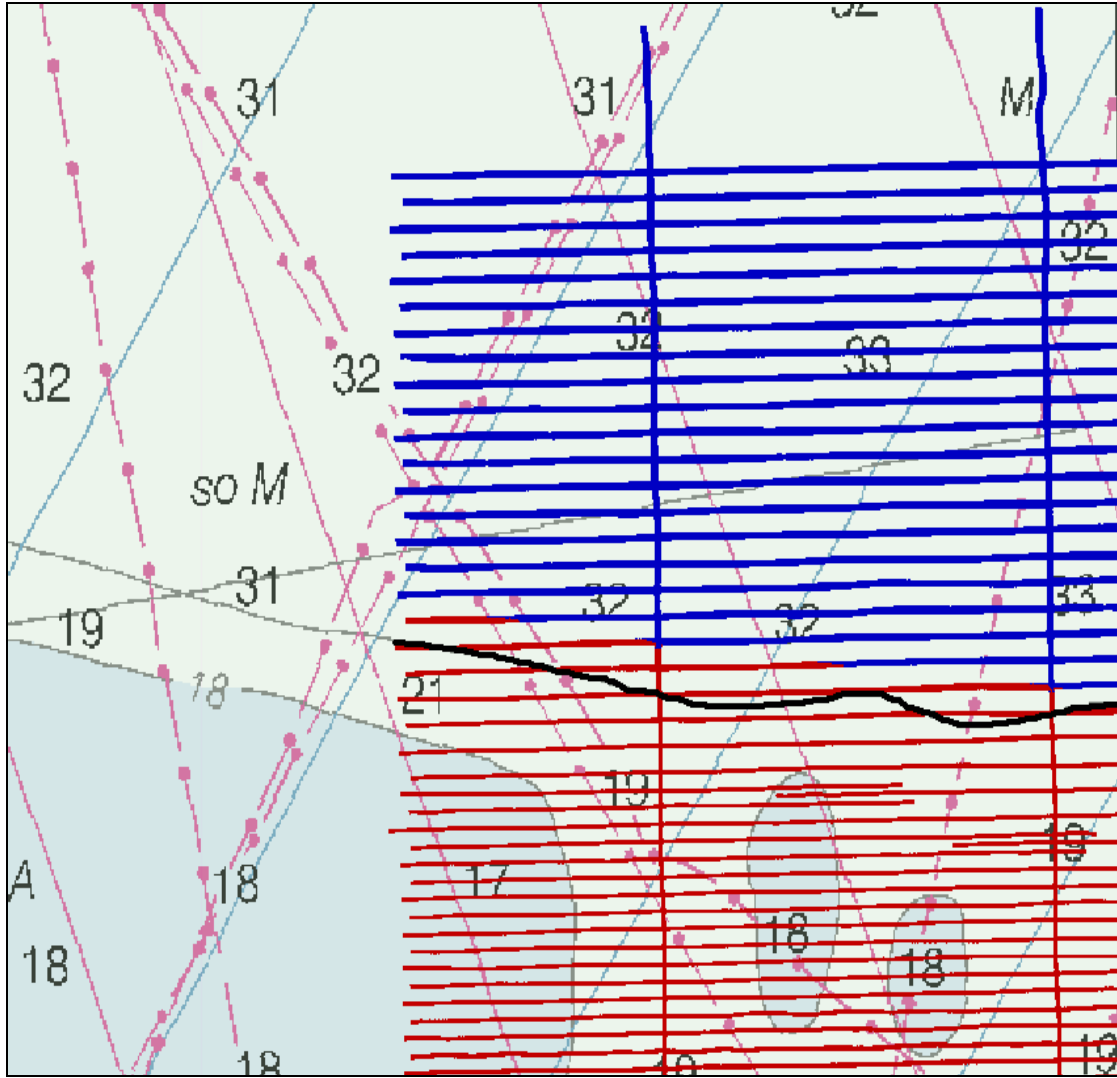


**Illustration No. 10:** Illustration showing surveyed 30-ft depths extending north of the 30-ft contour into waters charted as more than 30-feet.



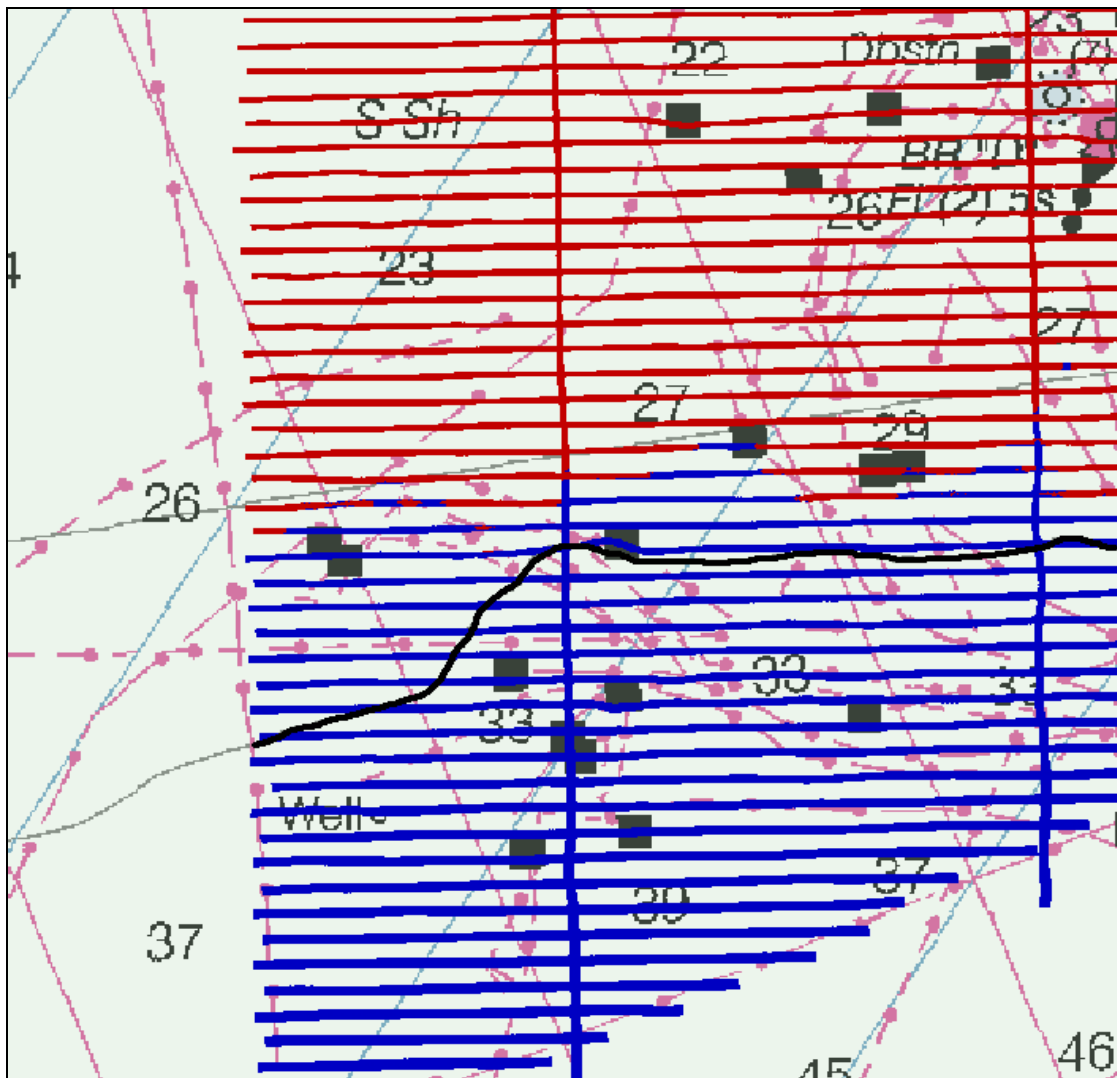
### Chart 11356

In general, the trend observed between the surveyed 30-ft depths and the charted 30-ft contours on chart 11356 is similar to that of chart 11357. For chart 11356, the surveyed 30 ft depths are located 200 – 500 feet north of the charted contour (Illustration No.11). The charted contour has been outlined in black for clarification.



**Illustration No. 11: Illustration showing surveyed 30-ft depths extending north of the 30-ft contour into waters charted as more than 30-feet.**

In the southern region of the survey area, surveyed soundings greater than 30 feet are located 500 to 1000 feet north of the charted 30-ft contour on chart 11356 as seen below in Illustration No.12. Also, there is a significant difference on the southeast side of the survey area where surveyed soundings that are greater than 30 feet extend up to 2100 feet north of the charted 30-ft contour (Illustration No.13).



**Illustration No. 12:** Illustration showing surveyed soundings greater than 30-ft extending north of the 30-ft contour into waters charted as less than 30-feet.

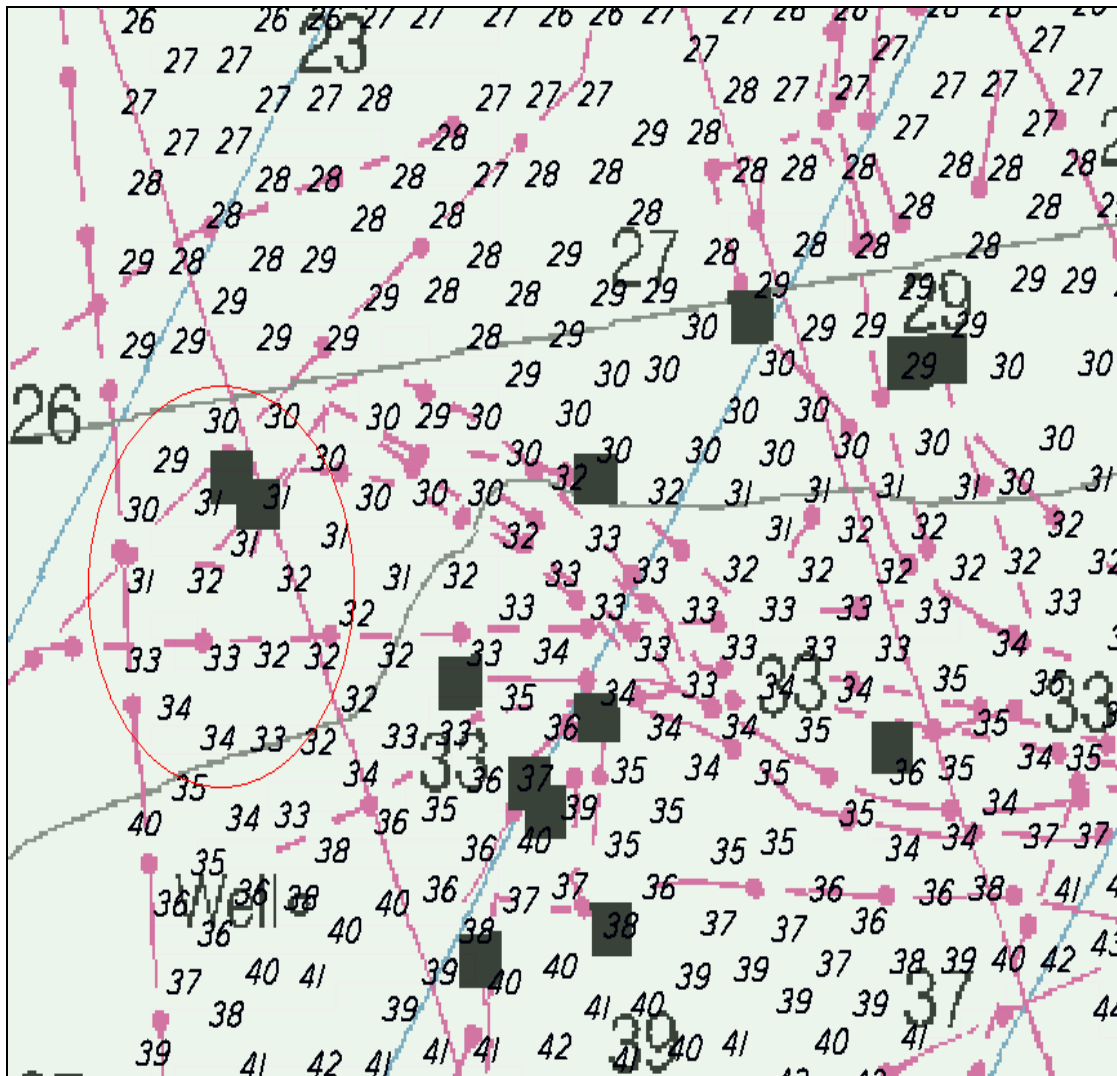


Illustration No. 13: Surveyed soundings that are greater than 30-ft that extend north of the charted 30-ft contour.

### D.1.3 CHARTED FEATURES

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

No new hazardous features were found during the survey, and all of the charted hazards within the survey area were assigned for full investigation as AWOIS items, and have been discussed in section D.1.3.2 of this report.

### D.1.3.1 CHARTED HAZARDOUS FEATURES/SHOALS

There is one charted shoal found within the survey area. This shoal, known as Ship Shoal, was found as charted. Surveyed soundings are about one to three feet deeper than charted soundings over the shoal area.

### D.1.3.2 AWOIS ITEMS

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

Four AWOIS items were assigned for full investigation within the H12247 survey area (Table No. 15). They are all located on chart 11357. These AWOIS items are discussed in further detail in Appendix II of this report.

**Table No. 15: AWOIS items assigned for full investigation.**

AWOIS Number	Charted Feature	Chart Latitude	Chart Longitude	Remarks
8432	24-foot wreck PA	28°51'59.10"N	90°49'50.35"W	Update feature on chart as a 27 foot submerged obstruction <i>See survey H12069 (2010) for charting recommendations.</i>
8436	Obstruction PA / suspended well, depth over wellhead unknown marked by an obstruction buoy	28°52'56.86"N	90°50'06.38"W	Remove from chart and buoy be removed from waters
14774	obstructions / suspended well, depth over wellhead unknown	28°53'32.40"N	90°49'49.40"W	Chart as above water wellheads/pipes
14773	20-ft obstruction	28°54'11.00"N	90°49'03.00"W	Remain on chart as a 20-foot submerged obstruction

AWOIS items 8432 and 14773 have been marked as a designated soundings within the H12247 Caris project submitted in conjunction with this report. *Concur.*

### D.1.3.3 INVESTIGATION ITEMS

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

Additional investigation work was performed for 10 significant sonar contacts. Of the ten targets investigated, four were assigned for investigation as AWOIS items. These four targets have been discussed in section D.1.3.2 and \*Appendix II of this report. The remaining 6 targets were determined to be insignificant or disproved by mb and have been summarized below in Table No.16. *\*Data included with survey deliverables.*

**Table No. 16: Significant contacts that required further investigation.**

SSS Contact Number	Investigation Name	Depth (m)	Latitude	Longitude	Remarks
220-133426P	H47INV5	N/A	N/A	N/A	Not found by SWMB
221-022119P	H47-1-C	N/A	N/A	N/A	Noise in water column
220-230028S	H47INV4	N/A	N/A	N/A	Not found by SWMB
222-083450S	H47INV2	6.718m	28°53'36.123"N	90°49'06.379"W	Insignificant contact
237-002324S	H47INV-3	N/A	N/A	N/A	No apparent height off bottom
236-215857S	H47-1-A	9.601m	28°55'14.377N	90°51'45.851"W	Exposed pipelines- Insignificant height off bottom

The two contacts found by shallow water multibeam after investigation (contacts 222-083450S and 236-215857S) have been marked with designated soundings within the H12247 Caris project submitted in conjunction with this report. **Concur.**

#### **D.1.3.3 DANGER TO NAVIGATION REPORTS**

No Danger to Navigation Reports were issued for the H12247 survey. **Concur.**

#### **D.1.3.4 EXISTING INFRASTRUCTURE**

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

The following platforms were found as charted. The position of these platforms was generated from the layback corrected side scan sonar file. See **\*Data Acquisition and Processing Report** for details on primary and secondary contacts. ***\*Data included with survey deliverables.***

**Table No. 17: Charted platforms – found as charted**

Surveyed Position			
Latitude	Longitude	Platform Name	Chart Action
28°51'48.608"N	90°50'35.290"W	SGYSS93#60	Remain as charted
28°51'44.616"N	90°51'10.181"W	SGY113N	Remain as charted
28°51'49.879"N	90°51'02.722"W	SGY SS94S	Remain as charted
28°53'29.748"N	90°48'32.065"W	No visible name	Remain as charted
28°51'54.044"N	90°51'17.716"W	SGY SS94#17	Remain as charted
28°52'18.035"N	90°50'47.281"W	SS94#6	Remain as charted
28°52'56.901"N	90°50'55.176"W	SS94AA	Remain as charted
28°53'01.530"N	90°50'17.459"W	SS93#39	Remain as charted
28°52'24.915"N	90°49'30.324"W	SS93 O	Remain as charted
28°53'02.747"N	90°49'06.697"W	SS93#63	Remain as charted
28°53'10.433"N	90°49'44.472"W	SS93#38	Remain as charted
28°53'24.732"N	90°50'01.100"W	SS93#48	Remain as charted
28°53'33.398"N	90°49'59.988"W	SGY SS93#61	Remain as charted
28°53'33.553"N	90°49'49.858"W	SGY SS93#41	Remain as charted
28°53'30.734"N	90°49'33.042"W	No visible name	Remain as charted
28°53'34.262"N	90°47'44.959"W	No visible name	Remain as charted
28°53'38.697"N	90°48'35.795"W	No visible name	Remain as charted
28°53'39.997"N	90°49'04.123"W	SGY SS93#13	Remain as charted
28°53'47.636"N	90°49'12.760"W	SGY SS93#17	Remain as charted
28°53'50.235"N	90°49'46.222"W	SGY SS93#44	Remain as charted
28°53'57.623"N	90°49'51.744"W	SGY SS93#51	Remain as charted
28°54'54.406"N	90°49'47.906"W	SGY SS90B	Remain as charted
28°54'53.970"N	90°49'47.456"W	SGY SS90	Remain as charted
28°54'02.972"N	90°49'52.226"W	SGY SS93#49	Remain as charted

The following uncharted platforms were present at the time of survey. The position of these platforms was generated from the layback corrected side scan sonar file.

**Table No. 18: Uncharted platforms**

Charted Position			
Latitude	Longitude	Platform Name	Chart Action
28°51'42.495"N	90°49'42.589"W	SGY SS114J	Add
28°53'02.826"N	90°49'50.912"W	SS93#35	Add
28°51'36.765"N	90°51'04.899"W	No visible name	Add

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

**Table No. 19: Charted platforms – not present**

Charted Position		
Latitude	Longitude	Chart Action
28°53'43.949"N	90°50'15.371"W	Remove from Charts 11356 <del>and 11357</del>
28°53'12.987"N	90°50'10.044"W	Remove from Charts 11356 <del>and 11357</del>
28°52'57.261"N	90°50'28.938"W	Remove from Charts 11356 <del>and 11357</del>
28°52'49.454"N	90°50'39.207"W	Remove from Charts 11356 <del>and 11357</del>
28°52'16.048"N	90°50'30.647"W	Remove from Charts 11356 <del>and 11357</del>
28°52'16.379"N	90°50'26.740"W	Remove from Charts 11356 <del>and 11357</del>
28°51'33.092"N	90°51'15.236"W	Remove from chart 11356
*28°51'35.238"N	90°51'01.779"W	Remove from chart 11356
28°51'43.835"N	90°51'08.411"W	Remove from chart 11356
28°53'00.048"N	90°48'46.547"W	Remove from chart 11357
28°53'59.798"N	90°49'45.216"W	Remove from chart 11357
28°54'18.982"N	90°49'59.251"W	Remove from chart 11357
28°53'40.298"N	90°48'31.636"W	Remove from chart 11357
*28°52'08.229"N	90°51'02.714"W	Platform SS94#19 remove from chart 11356

\*Platform SS94 #19 was found as charted on August 8th, 2010. After returning to the site of this platform for a side scan fill in on November 12<sup>th</sup>, 2011 this platform was not evident. It should be removed from chart 11356. *Same as above.*

*\*These features are not shown on the latest edition of the chart.*

## D.2 ADDITIONAL RESULTS

### D.2.1 PRIOR SURVEYS

Refer to Section B.2.4 for information on survey junctions and Section D.1 for comparison to nautical chart 11356.

### D.2.2 AIDS TO NAVIGATION

One aid to navigation is charted within the H12247 survey area. This ATON is charted as an obstruction buoy found on charts 11357 *and 11356* with a position of 28°52'53.768*53.961*"N, 90°50'02.712*01.953*"W (NAD83). This buoy was found at the charted position at the time of survey. An image from chart number 11357 is found below (Illustration No.14).



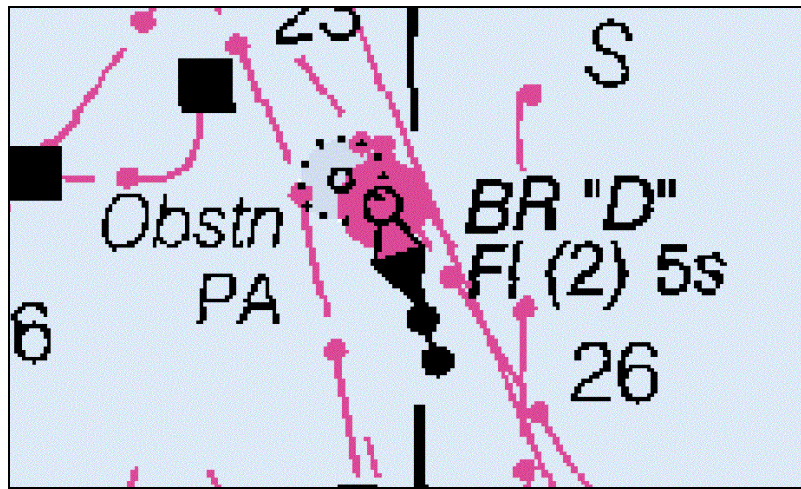


Illustration No. 14: BR "D" Fl (2) 5s ATON image from chart 11357

#### D.2.4 OTHER PERTINENT INFORMATION

There are several side scan sonar contacts that are exposed pipelines. These contacts lie on both charted and uncharted pipelines. A list of pipeline contacts has been included in the Separates V. *\*Data filed with original field records.*

The following is a list of acronyms that may be found in the DR, DAPR, project logs, side scan sonar logs and sonar contact listing.

Table No. 20. List of acronyms found in DR, DAPR, contact listings and logs

HM	Harmonic mean
WD	Water depth
LL	Lead line
MB	Multibeam
SWMB	Shallow water multibeam
SB	Single beam
WOW	Wait on weather
EOL	End of line
SOL	Start of line
SSS	Side scan sonar
RR	Re-run
SS	Ship Shoal (block name)
ST	South Timbalier (block name)
PL	South Pelto (block name)
SSP	Sound Speed Profile
C/I	Cable in
C/O	Cable out
Wpt	Waypoint
P/L	Pipeline
P/F	Platform





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LETTER OF APPROVAL

REGISTRY NUMBER H12247

This report and the accompanying smooth sheet are respectfully submitted.

Field operations contributing to the accomplishment of the survey H12247 were conducted under my direct supervision with frequent personal checks of progress and adequacy. This report and CARIS project have been closely reviewed and are considered complete and adequate as per the Statement of Work.

This report is accompanied by the Data Acquisition and Processing Report for project OPR-K354-KR-10.

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

---

John Baker  
Chief of Party  
C&C Technologies  
December 2011

APPENDIX I

DANGERS TO NAVIGATION

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No Danger to Navigation Reports were issued for the H12247 survey.

APPENDIX II

SURVEY FEATURES REPORT

# H12447\_AWOIS Items

Registry Number:

State:

Locality:

Sub-locality:

Project Number:

Survey Date: [None]

## 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	AWOIS #8436 - Charted Dangerous Obstruction (depth unknown) and pile (post)	AWOIS	[no data]	[no data]	[no data]	---
1.2	AWOIS #14773 - Charted 20 ft dangerous obstruction	AWOIS	[no data]	[no data]	[no data]	---
1.3	AWOIS #14774 - Dangerous obstructions depth unknown	GP	[None]	28° 53' 32.6" N	090° 49' 49.5" W	14774

## 1.1) AWOIS #8436 - AWOIS #8436 - Charted Dangerous Obstruction (depth unknown) and pile (post)

### No Primary Survey Feature for this AWOIS Item

**Search Position:** 28° 52' 56.9" N, 090° 50' 06.4" W

**Historical Depth:** [None]

**Search Radius:** 300

**Search Technique:** S2, MB, DI, SD

**Technique Notes:** [None]

#### History Notes:

##### HISTORY

FE390SS/93-- S-K904-MI; ITEM LOCATED VISUALLY IN LAT. 28-52-56.86N, LONG. 90-50-06.38W. BARE 2.3 METERS (7.0 FEET). JACK-UP RIG LEG EXTENDS OUT OF THE WATER APPROX. 30 DEG. FROM THE HORIZONTAL IN 7.7 METERS. UNMARKED. EVALUATOR RECOMMENDS CHARTING VISIBLE OBSTRUCTION IN LAT. 28-52-56.86N, LONG. 90-50-06.38W. IN ADDITION, DELETE VISIBLE WRECK CHARTED IN LAT. 28-52-51.0N, LONG. 90-50-03.0W. (UP 8/30/94, SJV)

##### DESCRIPTION

\*\*\*\* LTR, J.C. CARD (COMMANDER, CGD8) TO J. AUSTIN YEAGER

(DIRECTOR, COAST GEODETIC SURVEY), DATED 10/2/92; LARGE

PIECE OF WRECKAGE REPORTED IN APPROX. POSITION LAT. 28-52-

51N, LONG. 90-50-03W. MARKED BY A TEMPORARY ISOLATED DANGER

MARK. WRECKAGE NEEDS TO BE IDENTIFIED SO THAT ITS OWNER MAY

BE ADVISED TO INITIATE REMOVAL PROCEDURES. (ENT 3/10/93,

SJV)

### Survey Summary

**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

Listed in DR D.1.3.2 as: Obstruction PA /suspended well, depth over wellhead unknown marked by an obstruction buoy.

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT	AWOIS # 8436	0.00	000.0	Primary

Hydrographer Recommendations

Listed in DR D.1.3.2 : It is recommended that this feature is removed from chart and buoy is removed from waters.

S-57 Data

[None]

Office Notes

SAR: There is evidence of a featue in one line of SSS. Item not seen in MBES.

COMPILATION: Concur. Obstruction found but determined insignificant. Consider disproved. Delete dangerous obstruction (depth unknown) and pile (post) and buoy marking AWOIS item.

## 1.2) AWOIS #14773 - AWOIS #14773 - Charted 20 ft dangerous obstruction

### No Primary Survey Feature for this AWOIS Item

**Search Position:** 28° 54' 11.0" N, 090° 49' 03.0" W  
**Historical Depth:** 6.10 m  
**Search Radius:** 1000  
**Search Technique:** S2, MB  
**Technique Notes:** [None]

#### History Notes:

LN40/93--8th CGD, 10/1/93; NOAA Ship Mt Mitchell reported a concrete pile 40 x 8, approximately 16 NM SW of Isle Dernies, sticking 4 ft off the bottom at approximately 28 54 11 N 90 49 03 W. (KSJ 4/2/2010)

### Survey Summary

**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

Listed in DR as: 20-ft obstruction

### Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT	AWOIS # 14773	0.00	000.0	Primary

### Hydrographer Recommendations

Listed in DR as: It is recommended that this feature remain on the chart as a 20 foot Submerged Obstruction at 28°54'11.121"N 90°49'02.567"W (NAD83). This AWOIS item has been marked as a designated sounding within the H12247 Caris project submitted in conjunction with this report.

### S-57 Data

[None]

### Office Notes

SAR: Feature seen in SSS and MBES data record.



COMPILATION: Concur with conditions. It is recommended that the charted 20 ft dangerous obstruction is deleted. The feature was found with a 20 ft least depth in 21-22 feet surroundings. It is therefore further recommended that a 20 foot shoal depth is charted in the present survey location.

### 1.3) AWOIS #14774 - Dangerous obstructions depth unknown

#### Primary Feature for AWOIS Item #14774

**Search Position:** 28° 53' 32.4" N, 090° 49' 49.4" W  
**Historical Depth:** [None]  
**Search Radius:** 200  
**Search Technique:** S2, MB  
**Technique Notes:** [None]

#### History Notes:

FE-390/1993; NOS -- Field Exam survey located visible obstructions 18 ft above MLLW at position 28 53 32.4 N 90 49 49.4 W(KSJ 4/2/10)

#### Survey Summary

**Survey Position:** 28° 53' 32.6" N, 090° 49' 49.5" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_AWOIS Items (found) for Report.000  
**FOID:** US 0000059824 00001(02260000E9B00001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

This AWOIS has no description and is found on chart number 11357 as a suspended well, depth over wellhead unknown. This item was found to be a pair of unlit pipes that protrude out of the water.

#### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_AWOIS Items (found) for Report.000	US 0000059824 00001	0.00	000.0	Primary
AWOIS_EXPORT	AWOIS # 14774	7.29	337.0	Secondary (grouped)

#### Hydrographer Recommendations

Listed in DR as: It is recommended that these pipes be charted as above water wellheads / pipes at 28°53'32.616"N, 90°49'49.506"W (NAD83).

## S-57 Data

**Geo object 1:** Pile (PILPNT)  
**Attributes:** CONVIS - 1:visual conspicuous  
NINFOM - Add Pile  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

## Office Notes

COMPILATION: Concur with conditions.

AWOIS 14774 is charted as dangerous obstructions depth unknown (and further described as 2 metal rig legs).

It is recommended that the dangerous obstructions (unknown depth) is deleted. It is further recommended that a visible pile is charted in the present survey location.

## Feature Images

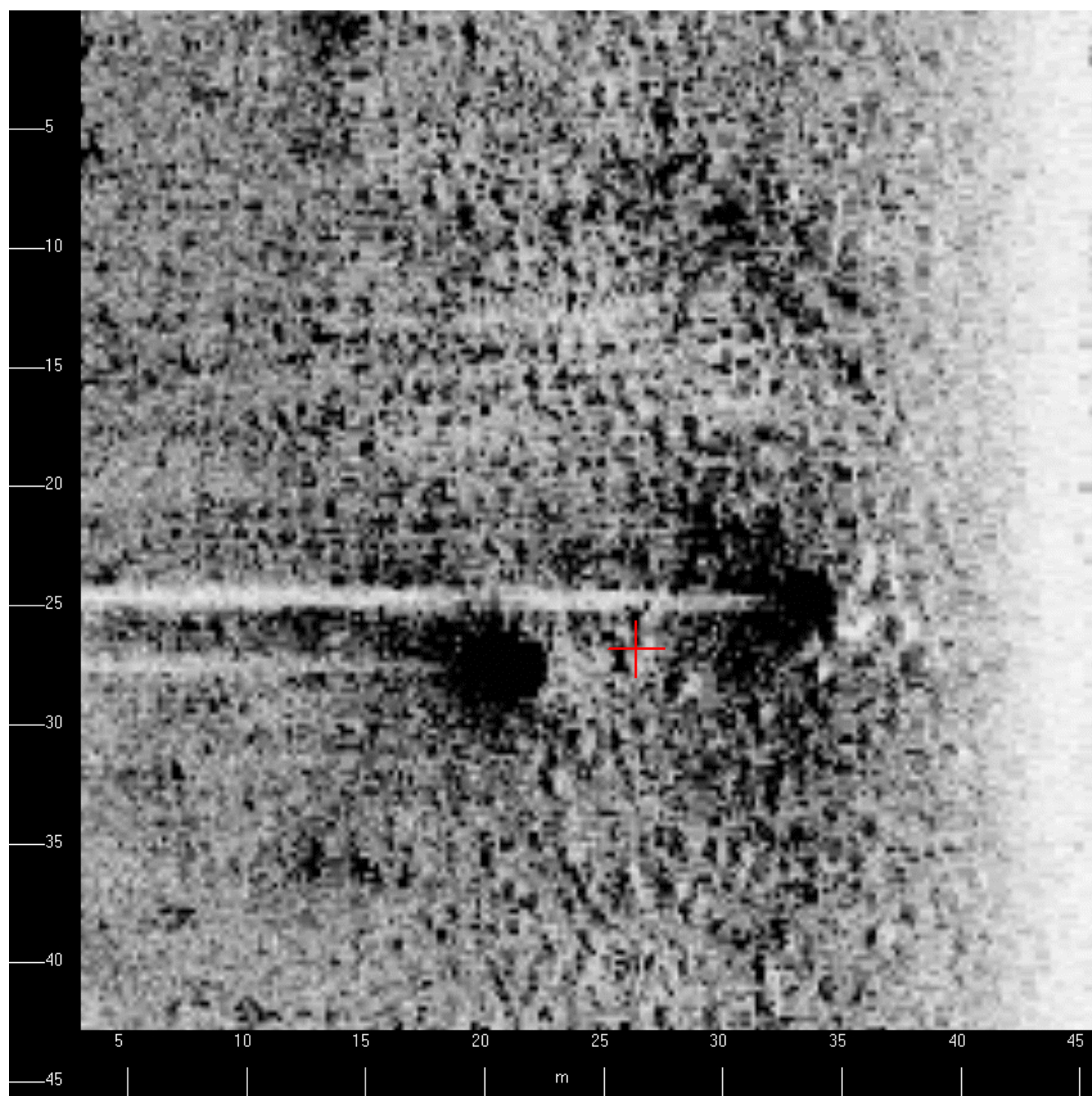


Figure 1.3.1

# H12447\_Charted Features

Registry Number:

State:

Locality:

Sub-locality:

Project Number:

Survey Date: [None]

## 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	Charted Platform - Disproved	GP	[None]	28° 51' 32.7" N	090° 51' 16.5" W	---
1.2	Delete charted platforms, add present survey platform	GP	[None]	28° 51' 44.6" N	090° 51' 10.2" W	---
1.3	Charted Platform - Disproved	GP	[None]	28° 51' 43.4" N	090° 51' 09.2" W	---
1.4	Delete charted platform, add present survey platform. - Prod SS 94 S	GP	[None]	28° 51' 49.9" N	090° 51' 02.7" W	---
1.5	Charted Platform - Disproved	GP	[None]	28° 52' 49.2" N	090° 50' 39.8" W	---
1.6	Delete charted platform, Add present survey Platform - Prod SS 93#60	GP	[None]	28° 51' 48.6" N	090° 50' 35.3" W	---
1.7	Charted Platform - Disproved	GP	[None]	28° 52' 15.7" N	090° 50' 31.9" W	---
1.8	Charted Platform - Disproved	GP	[None]	28° 52' 56.4" N	090° 50' 29.7" W	---
1.9	Charted Platform - Disproved	GP	[None]	28° 52' 15.7" N	090° 50' 28.0" W	---
1.10	Delete charted platform, add present survey platform.- Prod SS 93#39	GP	[None]	28° 53' 01.5" N	090° 50' 17.5" W	---
1.11	Charted Platform - Disproved	GP	[None]	28° 53' 43.4" N	090° 50' 16.4" W	---
1.12	Charted Platform - Disproved	GP	[None]	28° 53' 12.0" N	090° 50' 10.9" W	---

1.13	Delete charted platform, add present survey platform. - Prod SS 93#48	GP	[None]	28° 53' 24.8" N	090° 50' 01.4" W	---
1.14	Charted Platform - Disproved	GP	[None]	28° 54' 19.4" N	090° 49' 59.1" W	---
1.15	Delete charted platform, add present survey platform - Prod SS 93#49	GP	[None]	28° 54' 02.9" N	090° 49' 52.2" W	---
1.16	Delete charted platform, add present survey platform - Prod SS 93#51	GP	[None]	28° 53' 57.6" N	090° 49' 51.7" W	---
1.17	Delete charted platform, add present survey platform.- Prod SS 93#41	GP	[None]	28° 53' 33.6" N	090° 49' 49.8" W	---
1.18	Delete charted platform, add present survey platform. - Prod SS 90B	GP	[None]	28° 54' 54.4" N	090° 49' 47.9" W	---
1.19	Delete charted platform, add present survey platform. - SGY SS90	GP	[None]	28° 54' 54.0" N	090° 49' 47.5" W	---
1.20	Delete charted platform, add present survey platform - Prod SS 93#44	GP	[None]	28° 53' 50.2" N	090° 49' 46.2" W	---
1.21	Charted Platform - Disproved	GP	[None]	28° 54' 00.3" N	090° 49' 45.6" W	---
1.22	Delete charted platform, add present survey platform.- Prod SS 93#38	GP	[None]	28° 53' 10.5" N	090° 49' 44.2" W	---
1.23	Delete charted platform, add present survey platform - Prod No visible name	GP	[None]	28° 53' 30.8" N	090° 49' 33.6" W	---
1.24	Delete charted platform, add present survey platform. - Prod SS 93 O	GP	[None]	28° 52' 24.9" N	090° 49' 30.3" W	---
1.25	Delete charted platform, add present survey platform. - Prod SS 93#17	GP	[None]	28° 53' 47.6" N	090° 49' 12.8" W	---
1.26	Delete charted platform, add present survey platform - Prod SS 93#63	GP	[None]	28° 53' 02.6" N	090° 49' 06.4" W	---
1.27	Delete charted platform, add present survey platform. - Prod SS 93#13	GP	[None]	28° 53' 40.0" N	090° 49' 04.1" W	---
1.28	Charted Platform - Disproved	GP	[None]	28° 53' 00.4" N	090° 48' 46.5" W	---
1.29	Delete charted platform, add present survey platform	GP	[None]	28° 53' 38.7" N	090° 48' 35.8" W	---
1.30	Delete charted platform, add present survey platform. - Prod No visible name	GP	[None]	28° 53' 29.7" N	090° 48' 32.1" W	---
1.31	Charted Platform - Disproved	GP	[None]	28° 53' 40.2" N	090° 48' 32.0" W	---

1.1) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 51' 32.7" N, 090° 51' 16.5" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118406 00001(02260001CE860001)  
**Charts Affected:** 11356\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

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

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118406 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete Offshore Platform  
NTXTDS - H12247,Chart#11356,Edition#38,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record. COMPILATION: Concur. Delete offshore platform.

1.2) Delete charted platforms, add present survey platform

Survey Summary

**Survey Position:** 28° 51' 44.6" N, 090° 51' 10.2" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118433 00001(02260001CEA10001)  
**Charts Affected:** 11356\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118433 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPPLF)  
**Attributes:** CATOFP - 2:production platform  
CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SGY 113 N  
SORDAT - 20111124  
SORIND - US,US,graph,H12247



Office Notes

SAR: There is evidence of one platform in the SSS record that falls between two charted platforms.

COMPILATION. Concur. One platform found between two charted platforms. Delete charted platforms, add present survey platform.

Feature Images

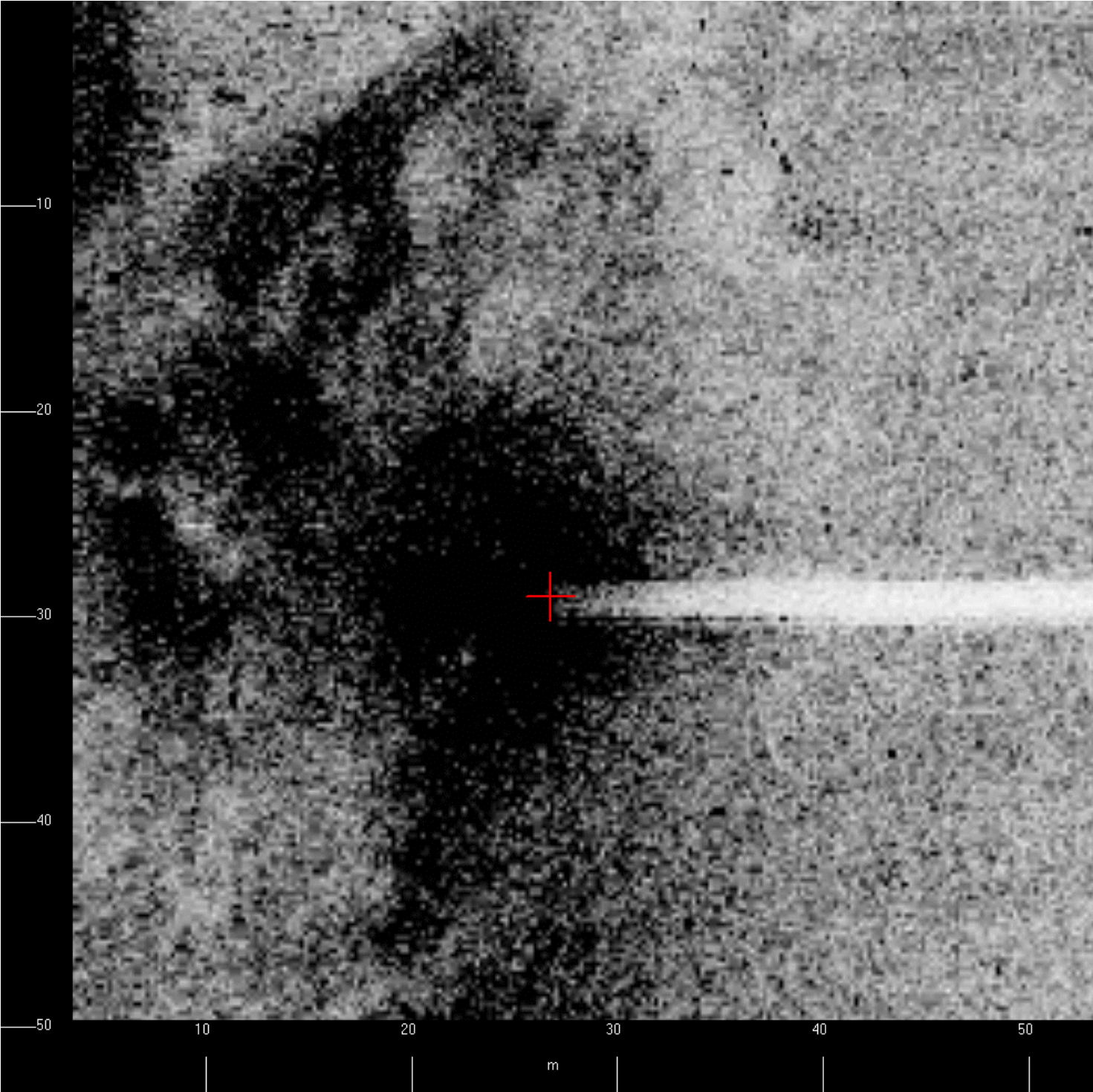


Figure 1.2.1

1.3) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 51' 43.4" N, 090° 51' 09.2" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118396 00001(02260001CE7C0001)  
**Charts Affected:** 11356\_1, 1116A\_1, 11340\_1, 411\_1

**Remarks:**  
\$CSYMB/remrks: Structure currently charted, but no longer present at the time of the present survey

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118396 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete offshore Platform  
NTXTDS - H12247,Chart#11356,Edition#38,20111124

Office Notes

SAR: There is evidence of one platform in the SSS record that falls between two charted platforms. The field did not mention this platform in the DR or associated appendices.

COMPILATION: Concur with conditions. Platform mentioned in DR Table #19, line #9. Delete offshore platform.

1.4) Delete charted platform, add present survey platform. - Prod SS 94 S

Survey Summary

**Survey Position:** 28° 51' 49.9" N, 090° 51' 02.7" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118429 00001(02260001CE9D0001)  
**Charts Affected:** 11356\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: The following platform was found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118429 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CATOFP - 2:production platform  
CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 94 S  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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

1.5) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 52' 49.2" N, 090° 50' 39.8" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118403 00001(02260001CE830001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

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

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118403 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete offshore Platform  
NTXTDS - H12247,Chart#11356,Edition#38,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record.  
COMPILOTION: Concur. Delete offshore platform.

1.6) Delete charted platform, Add present survey Platform - Prod SS 93#60

Survey Summary

**Survey Position:** 28° 51' 48.6" N, 090° 50' 35.3" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118424 00001(02260001CE980001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: The following platform was found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118424 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore Platform  
OBJNAM - SS 93#60  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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



Feature Images

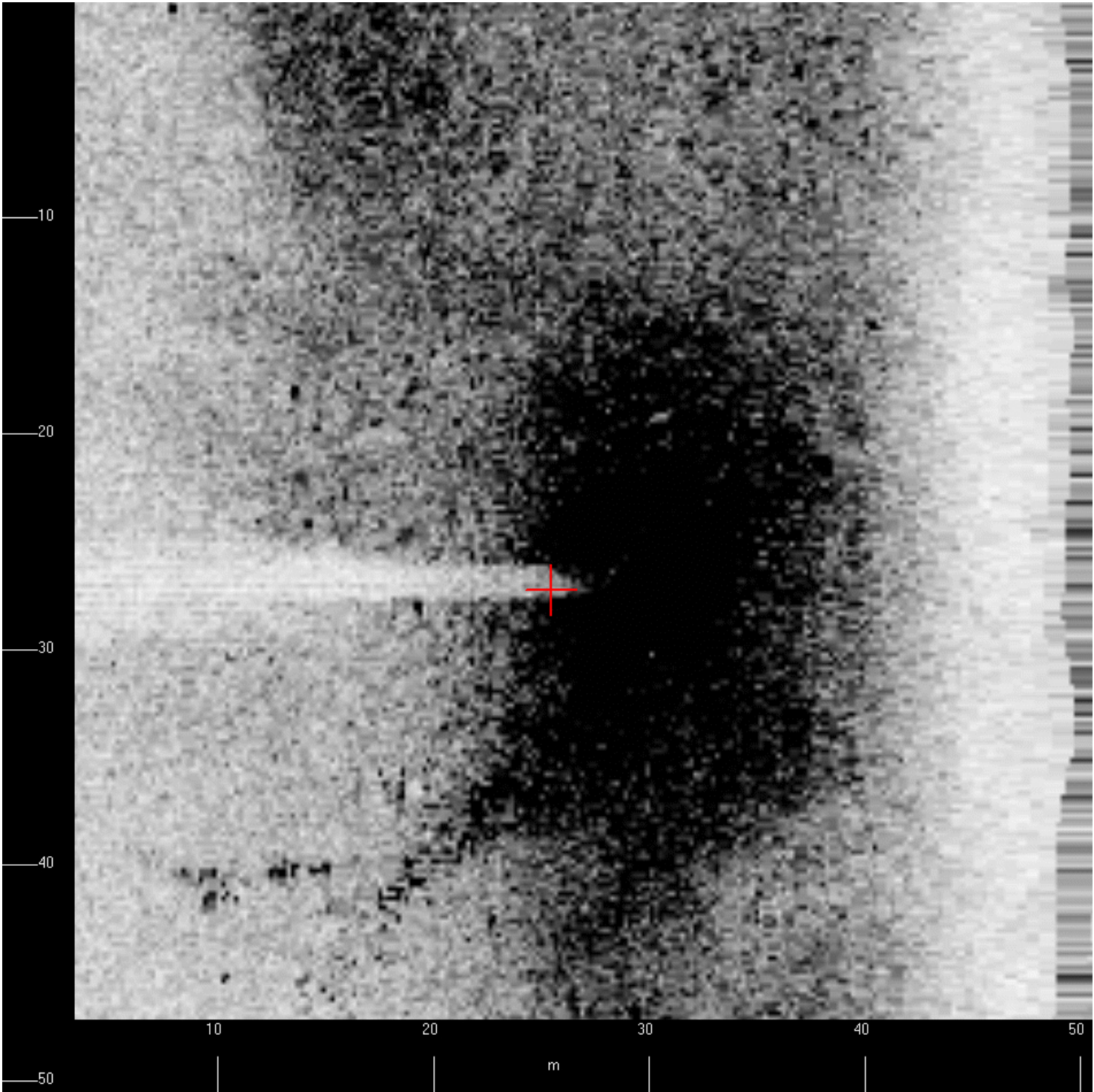


Figure 1.6.1

1.7) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 52' 15.7" N, 090° 50' 31.9" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118385 00001(02260001CE710001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

**Remarks:**  
\$CSYMB/remrks: Structure currently charted, but no longer present at the time of the present survey

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118385 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete offshore Platform  
NTXTDS - H12247,Chart#11356,Edition#38,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record.  
COMPILOTION: Concur. Delete offshore platform.

1.8) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 52' 56.4" N, 090° 50' 29.7" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118376 00001(02260001CE680001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

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

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118376 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete offshore Platform  
NTXTDS - H12247,Chart#11356,Edition#38,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record. The field did not mention this platform in the DR or associated appendices.  
Compilation: Concur with conditions. Platform is mentioned in Table 19 of the DR, feature #3. Delete offshore platform.

1.9) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 52' 15.7" N, 090° 50' 28.0" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118372 00001(02260001CE640001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

**Remarks:**  
\$CSYMB/remrks: Structure currently charted, but no longer present at the time of the present survey

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118372 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete offshore Platform  
NTXTDS - H12247,Chart#11356,Edition#38,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record.  
COMPILOTION: Concur. Delete offshore platform.

1.10) Delete charted platform, add present survey platform.- Prod SS 93#39

Survey Summary

**Survey Position:** 28° 53' 01.5" N, 090° 50' 17.5" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118422 00001(02260001CE960001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118422 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as Charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#39  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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



Feature Images

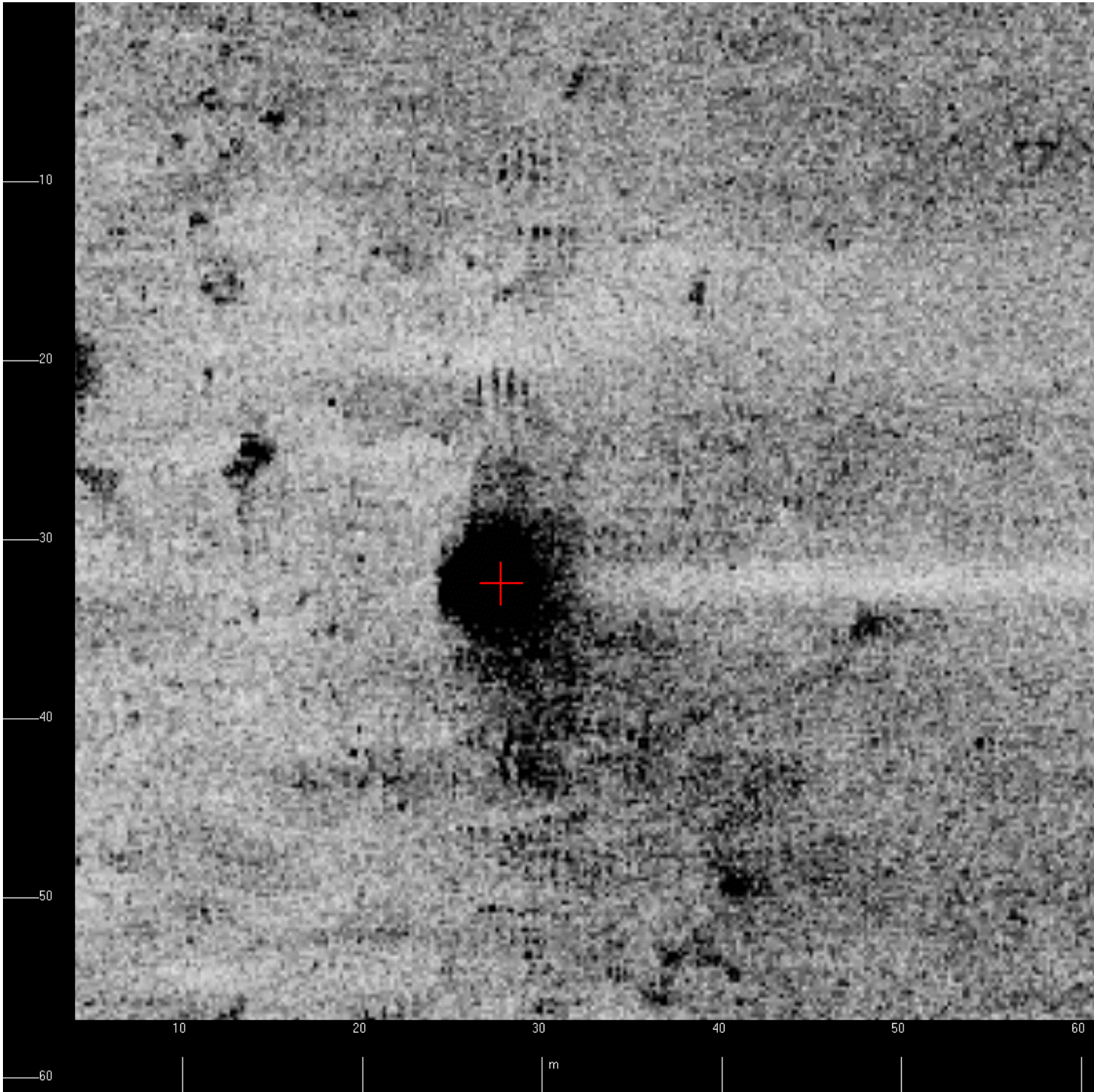


Figure 1.10.1

1.11) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 53' 43.4" N, 090° 50' 16.4" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118399 00001(02260001CE7F0001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

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

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118399 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete Offshore Platform  
NTXTDS - H12247,Chart#11356,Edition#38,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS records. COMPILATION: Concur. Delete charted offshore platform.



1.12) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 53' 12.0" N, 090° 50' 10.9" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118382 00001(02260001CE6E0001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

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

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118382 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete offshore platform.  
NTXTDS - H12247,Chart#11356,Edition#38,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record. The field did not mention this platform in the DR or associated appendices.  
Compilation: Concur with conditions. Platform is mentioned in Table 19 of the DR, feature #2. Delete offshore platform.

1.13) Delete charted platform, add present survey platform. - Prod SS 93#48

Survey Summary

**Survey Position:** 28° 53' 24.8" N, 090° 50' 01.4" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118427 00001(02260001CE9B0001)  
**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
H12247_Features for PYDRO.000	US 0000118427 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#48  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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

Feature Images

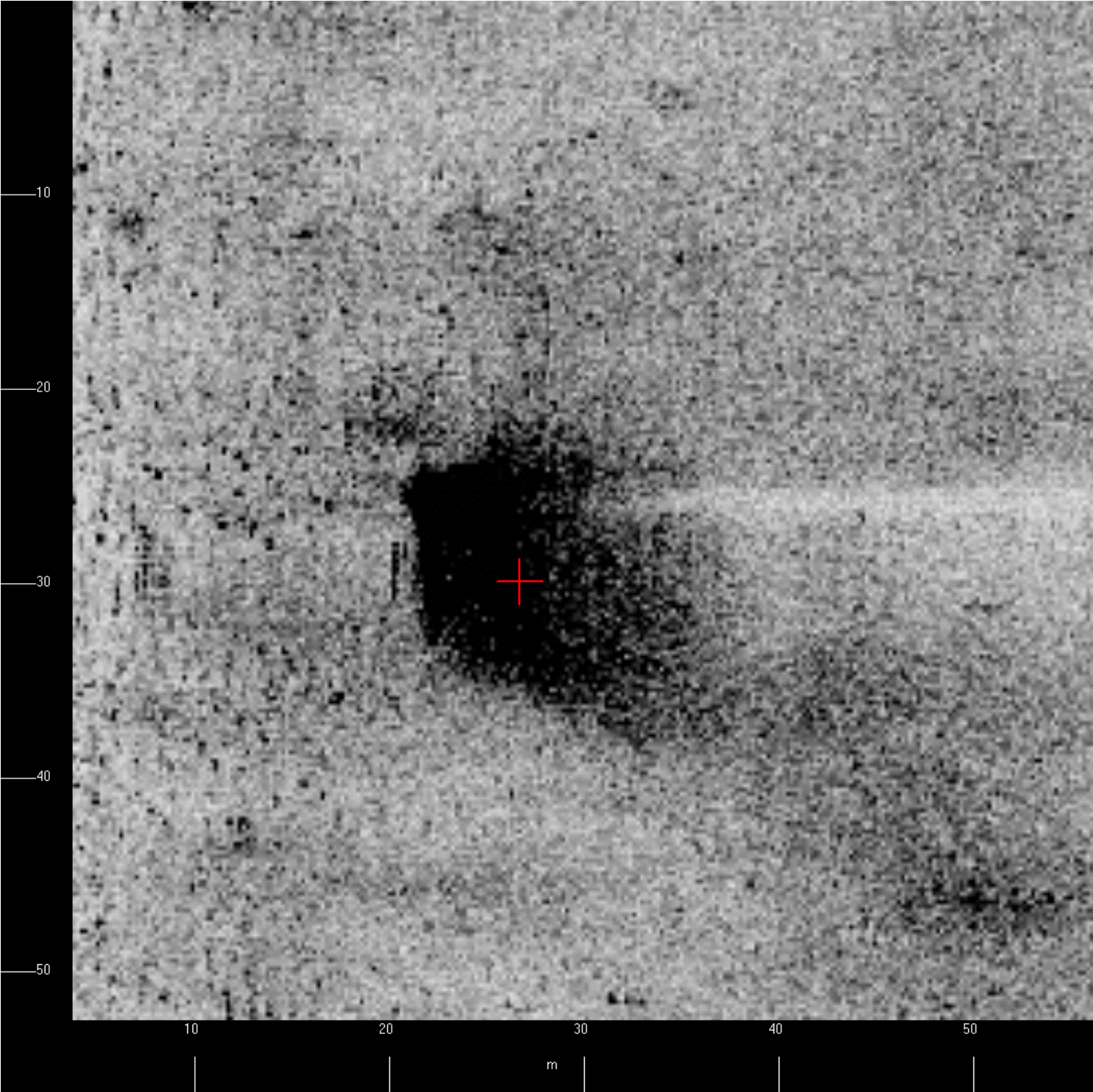


Figure 1.13.1

1.14) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 54' 19.4" N, 090° 49' 59.1" W

**Least Depth:** [None]

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

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

**Dataset:** H12247\_Features for PYDRO.000

**FOID:** US 0000118374 00001(02260001CE660001)

**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

**Remarks:**

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

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118374 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)

**Attributes:** NINFOM - Delete offshore Platform

NTXTDS - H12247,Chart#11357,Edition#41,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record. The field did not mention this platform in the DR or associated appendices.

COMPILATION: Concur with conditions. Platform mentioned in DR Table #19, line #12. Delete offshore platform.

1.15) Delete charted platform, add present survey platform - Prod SS 93#49

Survey Summary

**Survey Position:** 28° 54' 02.9" N, 090° 49' 52.2" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118419 00001(02260001CE930001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118419 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#49  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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

Feature Images

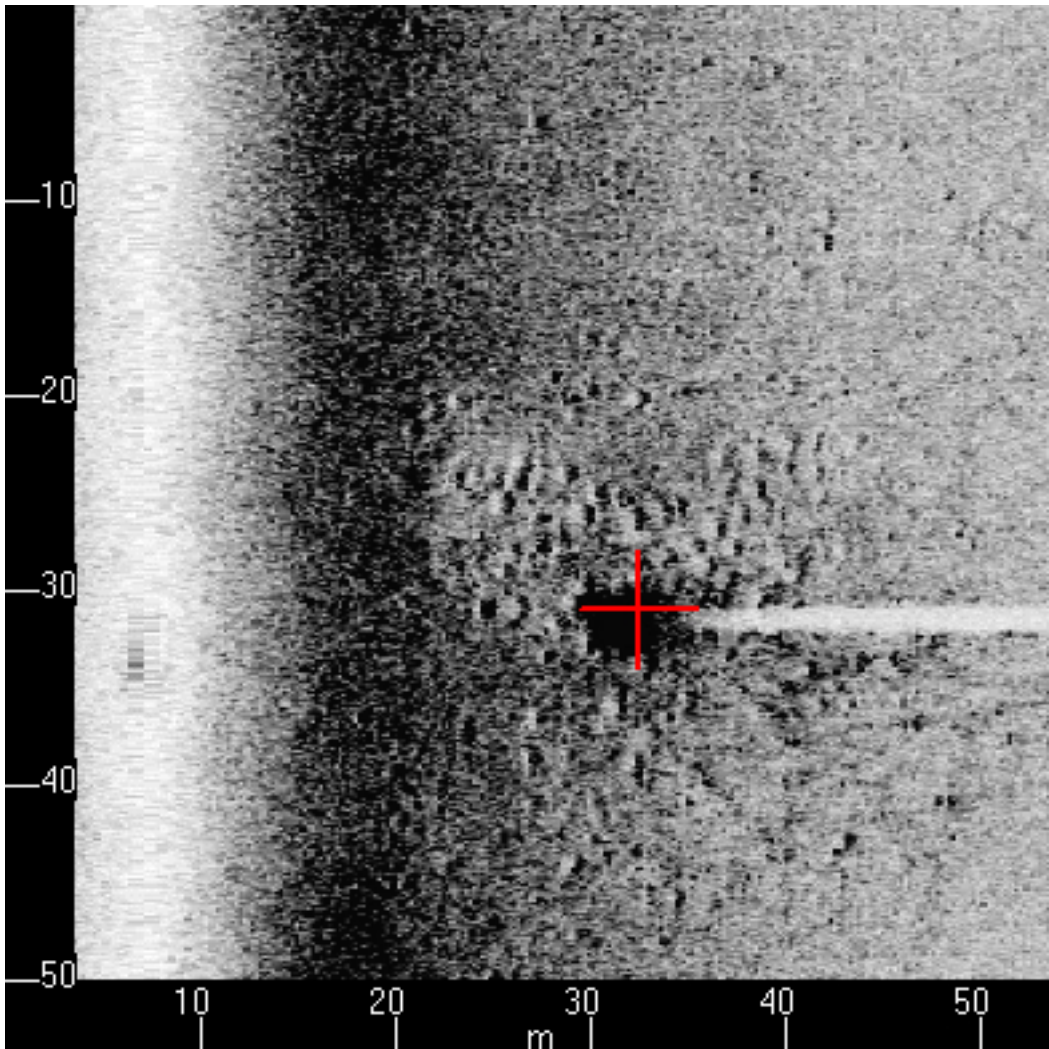


Figure 1.15.1



1.16) Delete charted platform, add present survey platform - Prod SS 93#51

Survey Summary

**Survey Position:** 28° 53' 57.6" N, 090° 49' 51.7" W

**Least Depth:** [None]

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

**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)

**Dataset:** H12247\_Features for PYDRO.000

**FOID:** US 0000118428 00001(02260001CE9C0001)

**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118428 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)

**Attributes:** CONRAD - 1:radar conspicuous

CONVIS - 1:visual conspicuous

NINFOM - Add offshore platform

OBJNAM - SS 93#51

SORDAT - 20111124

SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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

Feature Images

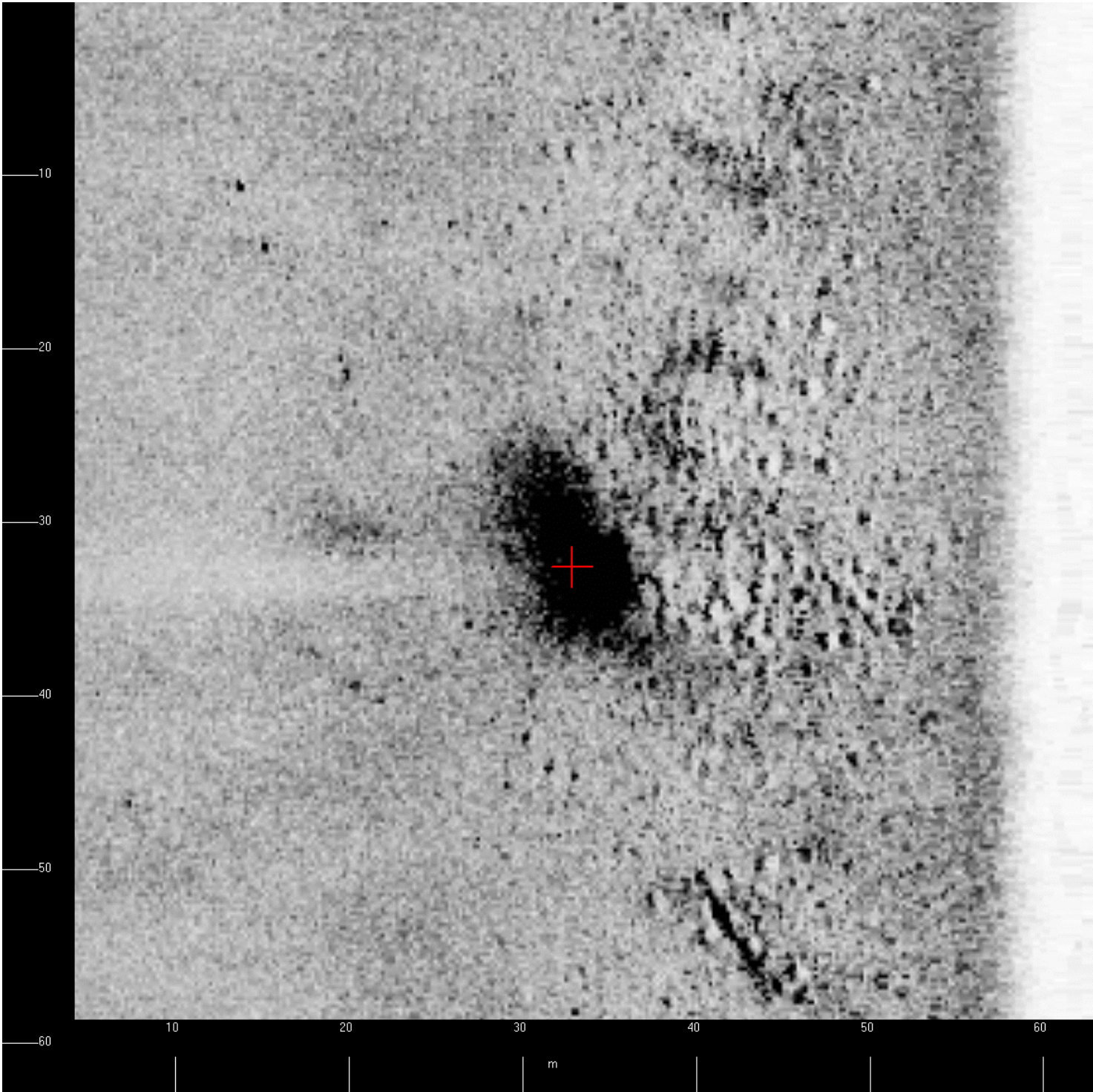


Figure 1.16.1

1.17) Delete charted platform, add present survey platform.- Prod SS 93#41

Survey Summary

**Survey Position:** 28° 53' 33.6" N, 090° 49' 49.8" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118425 00001(02260001CE990001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118425 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as Charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#41  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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



Feature Images

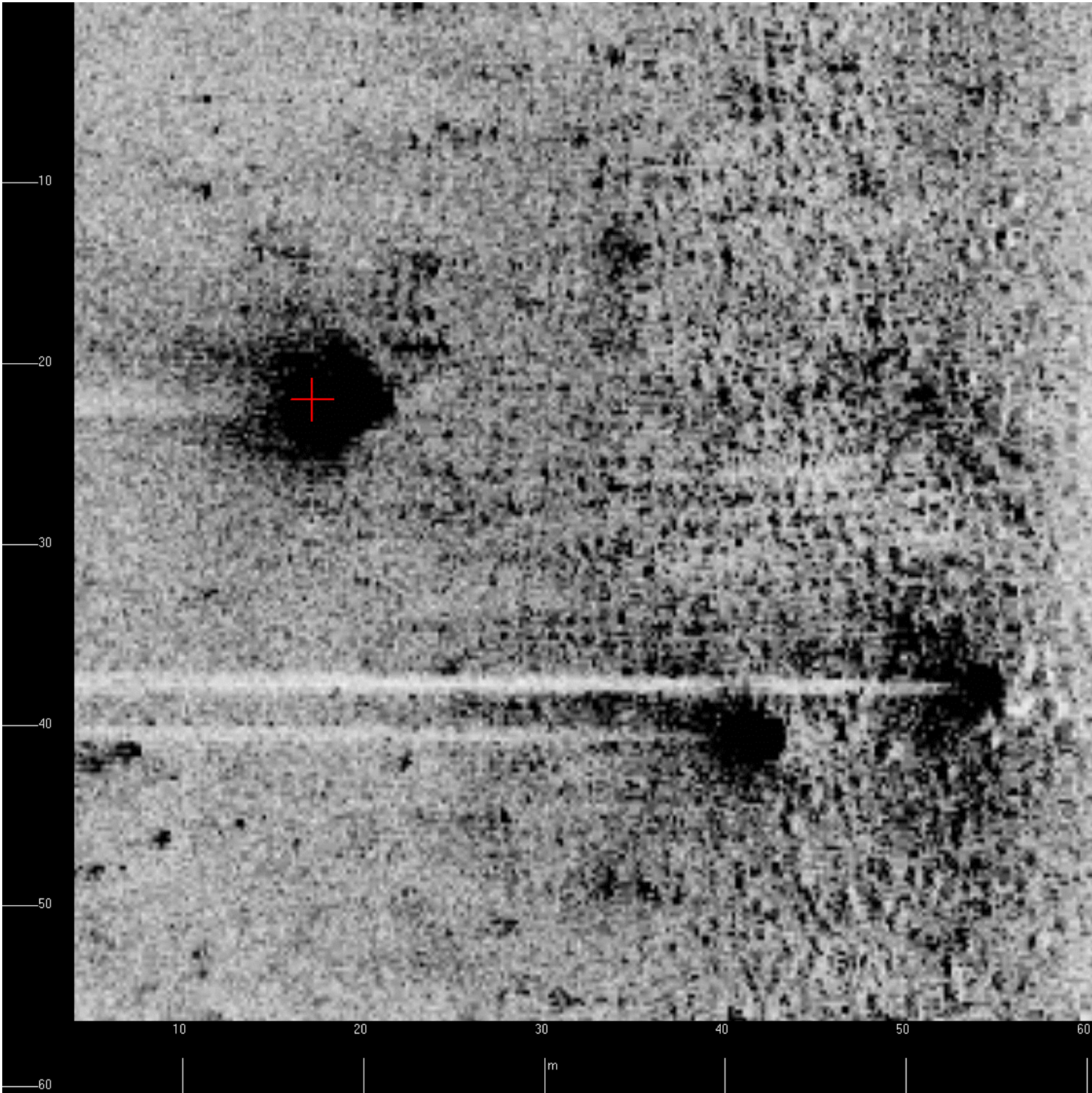


Figure 1.17.1

1.18) Delete charted platform, add present survey platform. - Prod SS 90B

Survey Summary

**Survey Position:** 28° 54' 54.4" N, 090° 49' 47.9" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118421 00001(02260001CE950001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118421 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 90 B  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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



Feature Images

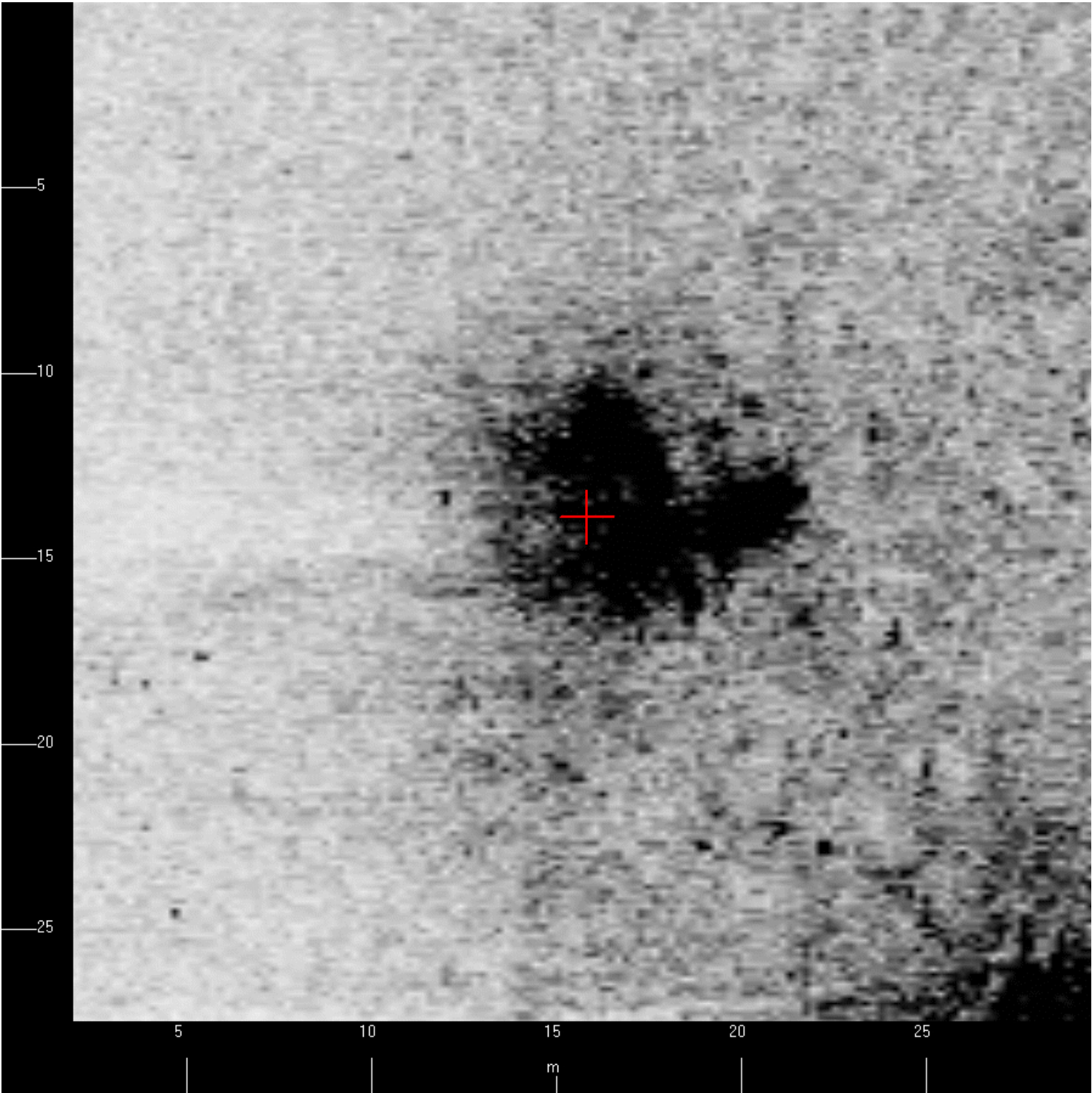


Figure 1.18.1

1.19) Delete charted platform, add present survey platform. - SGY SS90

Survey Summary

**Survey Position:** 28° 54' 54.0" N, 090° 49' 47.5" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118409 00001(02260001CE890001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118409 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 - SGY SS90  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.  
COMPILOTION: Concur. Delete charted platform, add present survey platform.

Feature Images

[Unable to convert image file T:\H12247\_K354\_CC\AHB\_H12247\SAR\SAR Images\Multimedia\236-153719P\_adj.BMP to JPEG.]



Figure 1.19.1

1.20) Delete charted platform, add present survey platform - Prod SS 93#44

Survey Summary

**Survey Position:** 28° 53' 50.2" N, 090° 49' 46.2" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118415 00001(02260001CE8F0001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118415 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#44  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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



Feature Images

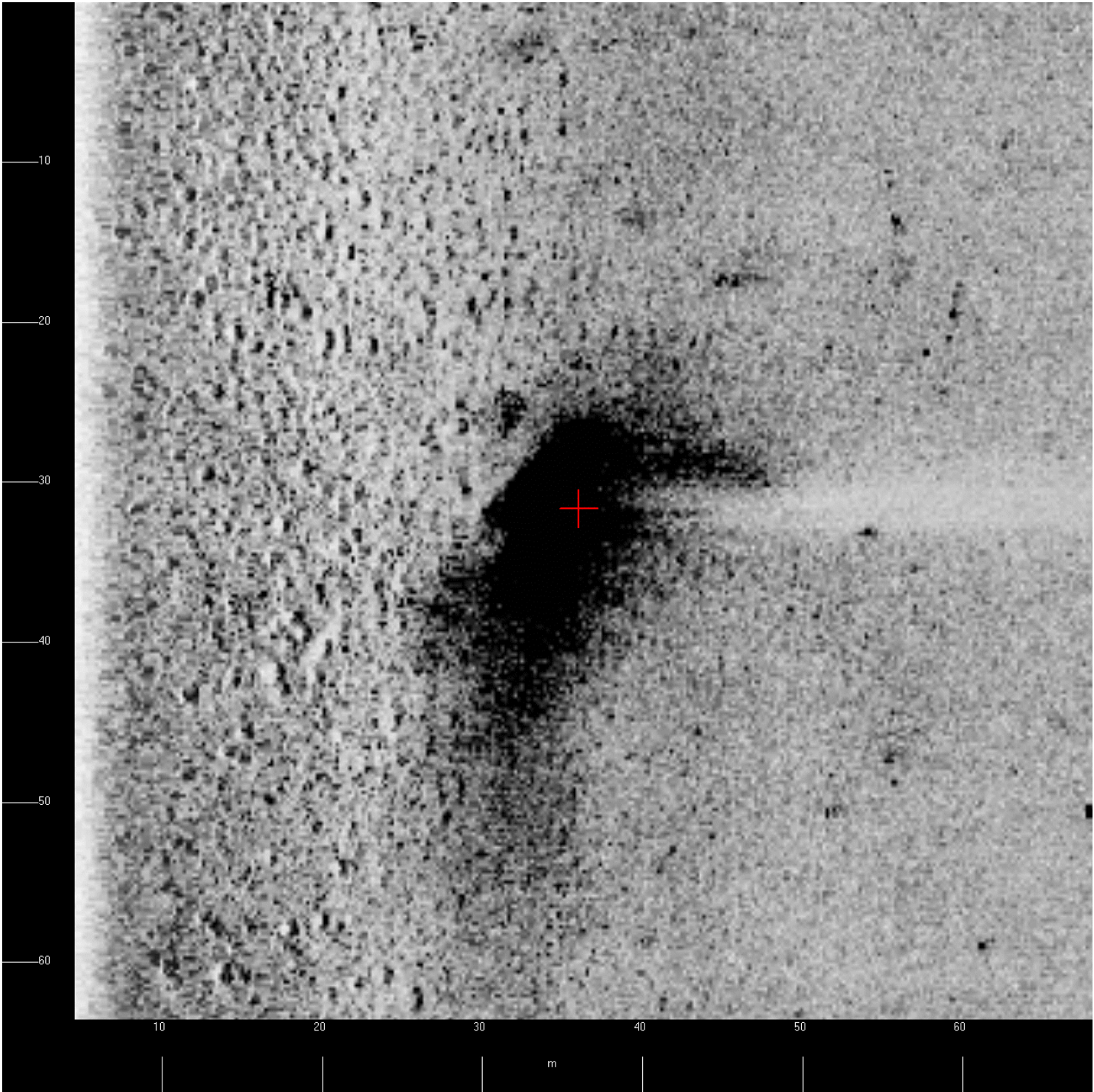


Figure 1.20.1

1.21) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 54' 00.3" N, 090° 49' 45.6" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118407 00001(02260001CE870001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

**Remarks:**  
\$CSYMB/remrks: Structure currently charted, but no longer present at the time of the present survey

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118407 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete offshore Platform  
NTXTDS - H12247,Chart#11357,Edition#41,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record.  
COMPIlation: Concur. Delete offshore platform.

1.22) Delete charted platform, add present survey platform.- Prod SS 93#38

Survey Summary

**Survey Position:** 28° 53' 10.5" N, 090° 49' 44.2" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118408 00001(02260001CE880001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: The following platform was found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118408 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#38  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.



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

Feature Images

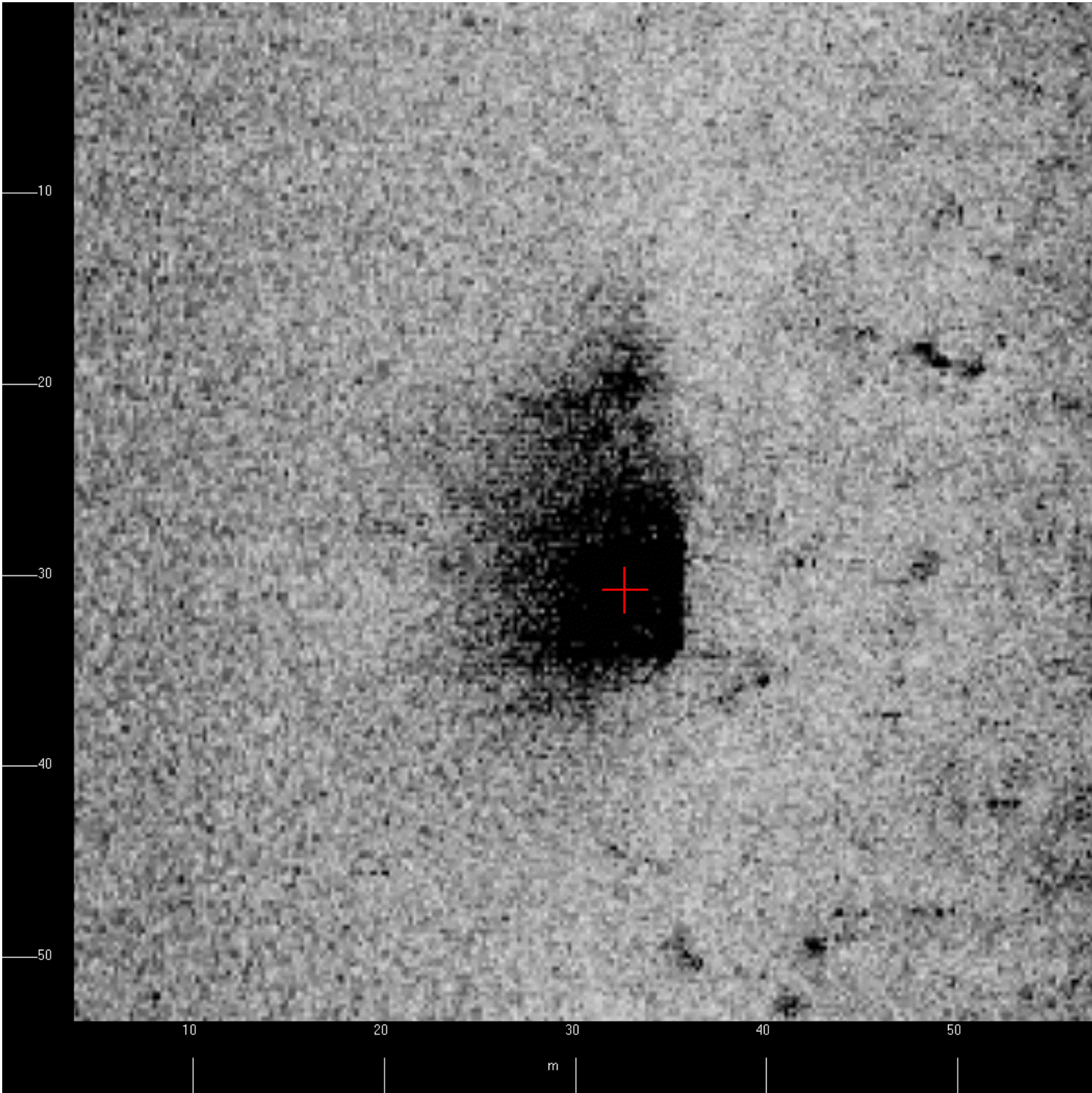


Figure 1.22.1

1.23) Delete charted platform, add present survey platform - Prod No visible name

Survey Summary

**Survey Position:** 28° 53' 30.8" N, 090° 49' 33.6" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118414 00001(02260001CE8E0001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118414 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as Charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - No visible name  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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

Feature Images

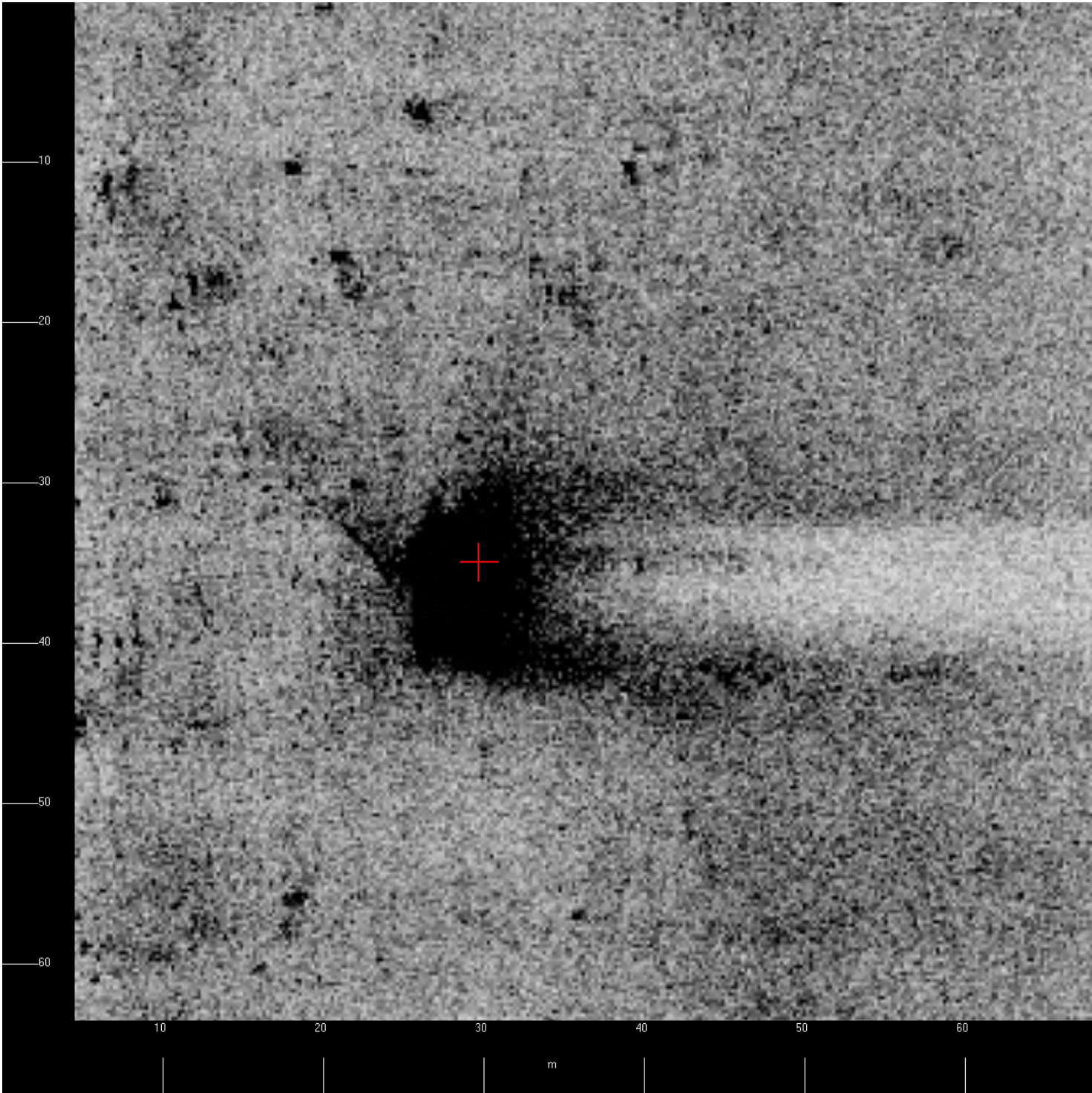


Figure 1.23.1



1.24) Delete charted platform, add present survey platform. - Prod SS 93 O

Survey Summary

**Survey Position:** 28° 52' 24.9" N, 090° 49' 30.3" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118410 00001(02260001CE8A0001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118410 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93 O  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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

Feature Images

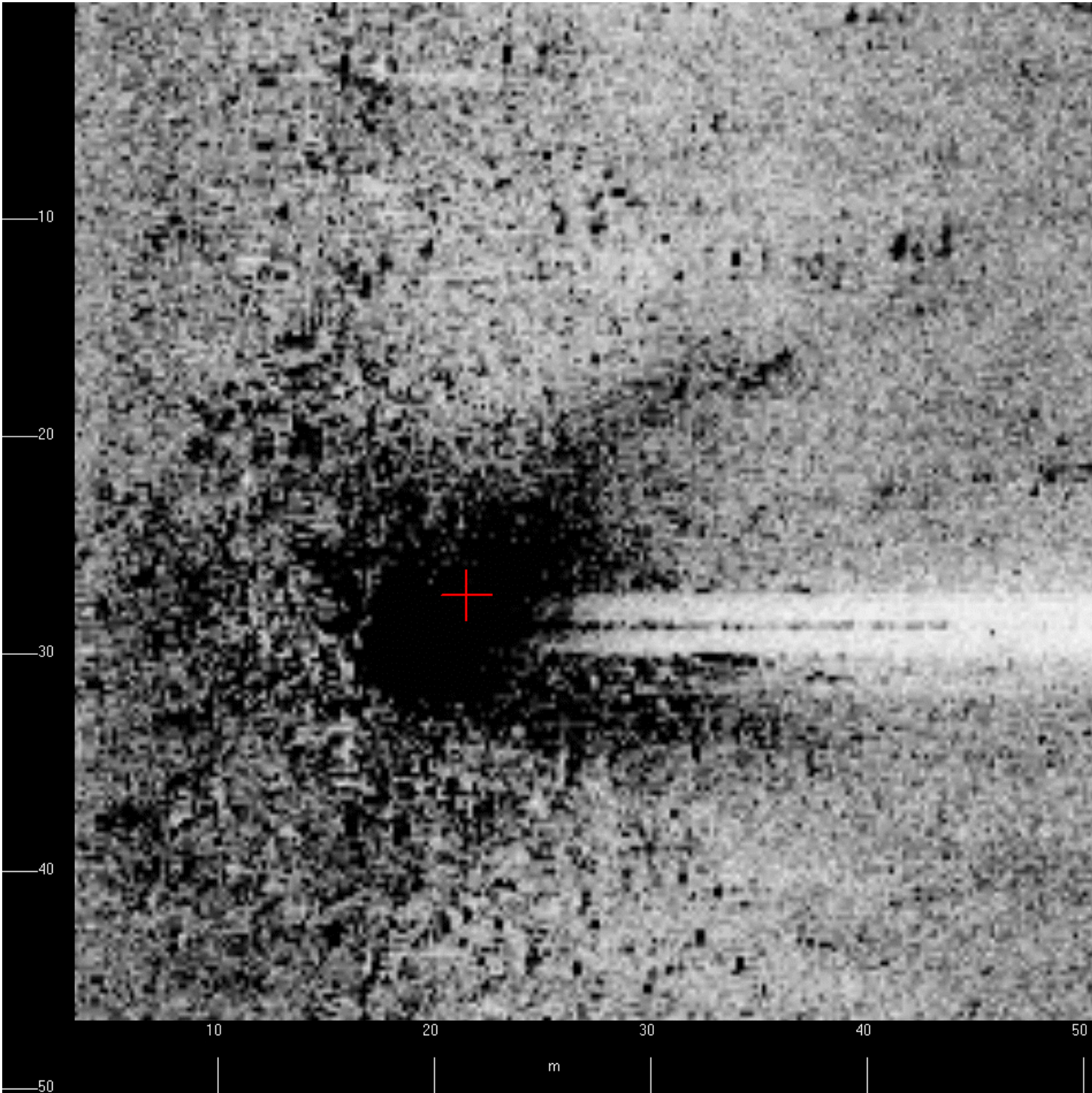


Figure 1.24.1



1.25) Delete charted platform, add present survey platform. - Prod SS 93#17

Survey Summary

**Survey Position:** 28° 53' 47.6" N, 090° 49' 12.8" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118416 00001(02260001CE900001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118416 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#17  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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

Feature Images

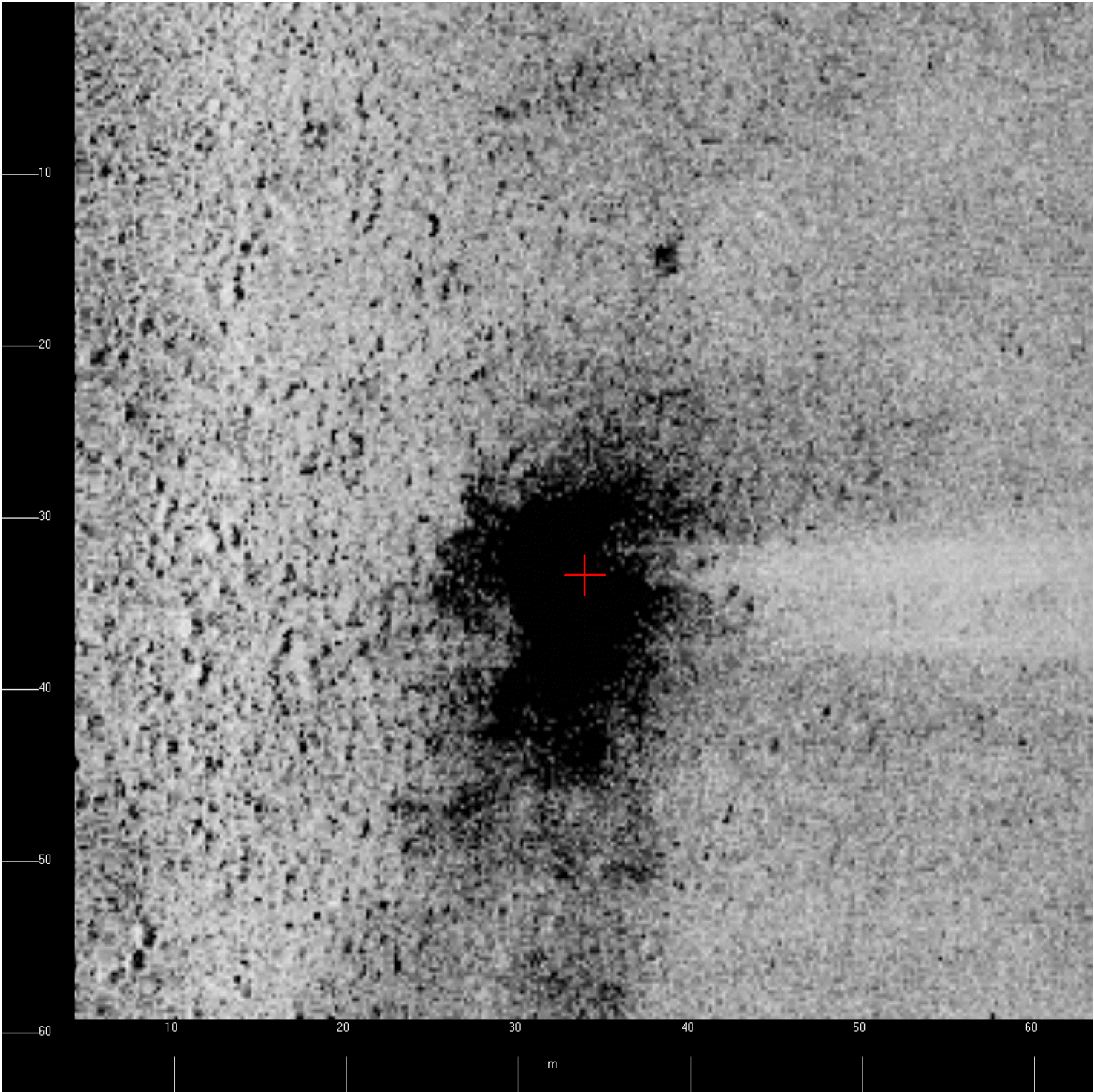


Figure 1.25.1

1.26) Delete charted platform, add present survey platform - Prod SS 93#63

Survey Summary

**Survey Position:** 28° 53' 02.6" N, 090° 49' 06.4" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118412 00001(02260001CE8C0001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: The following platform was found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118412 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#63  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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



Feature Images

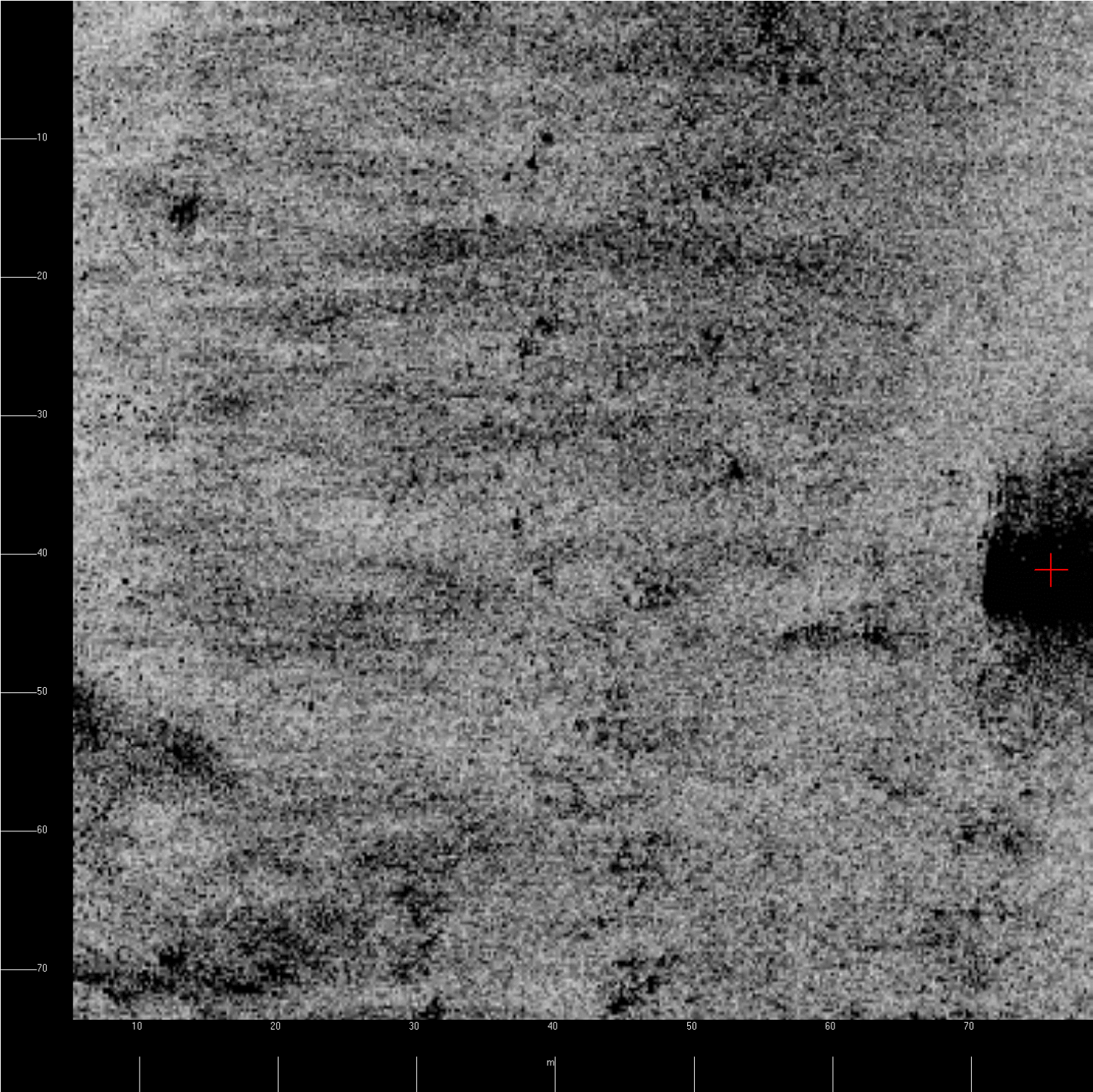


Figure 1.26.1

1.27) Delete charted platform, add present survey platform. - Prod SS 93#13

Survey Summary

**Survey Position:** 28° 53' 40.0" N, 090° 49' 04.1" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118432 00001(02260001CEA00001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118432 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#13  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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



Feature Images

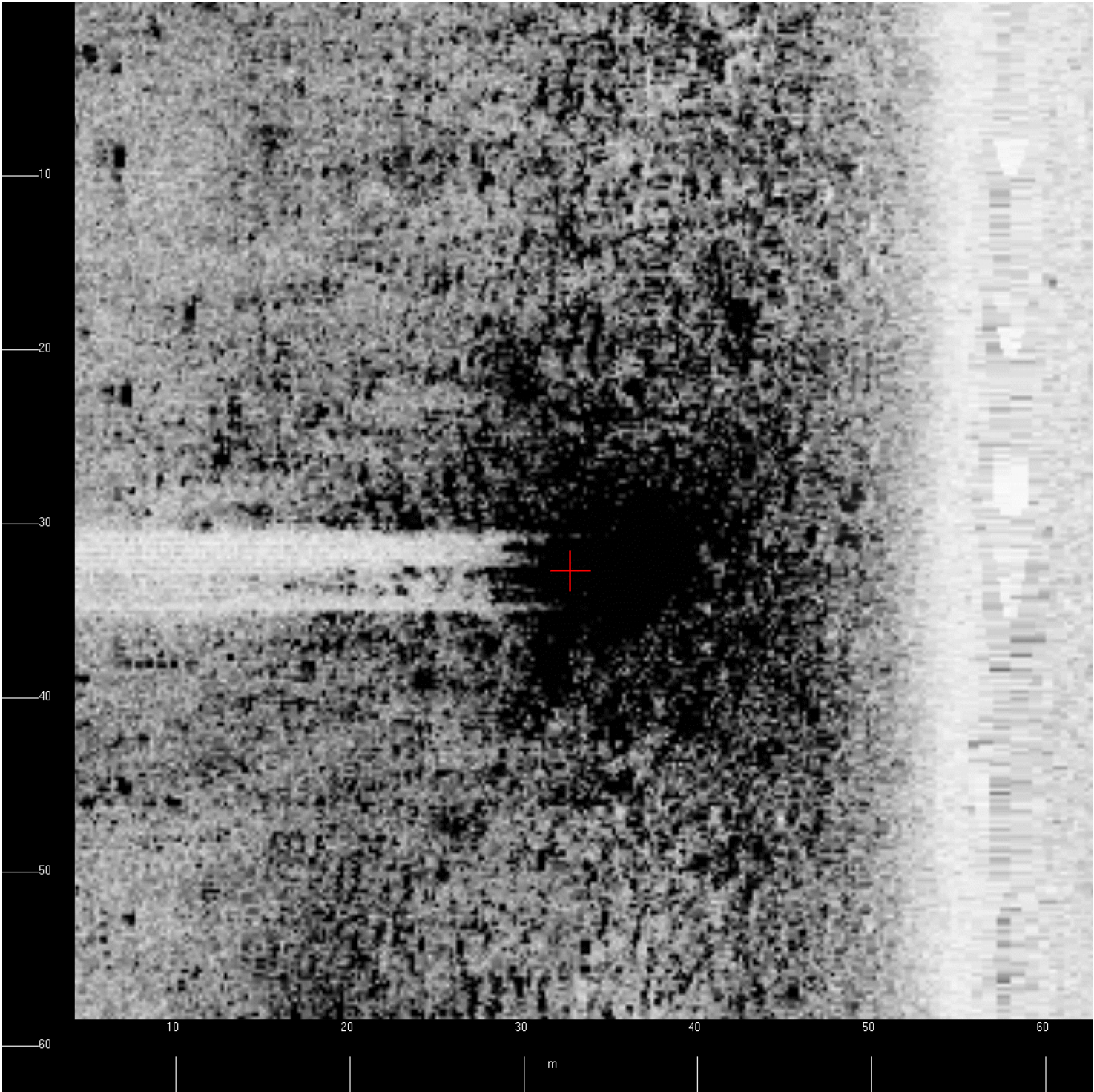


Figure 1.27.1

1.28) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 53' 00.4" N, 090° 48' 46.5" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118404 00001(02260001CE840001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

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

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118404 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete offshore Platform  
NTXTDS - H12247,Chart#11357,Edition#41,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record.  
COMPILOTION: Concur. Delete offshore platform.

1.29) Delete charted platform, add present survey platform

Survey Summary

**Survey Position:** 28° 53' 38.7" N, 090° 48' 35.8" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118426 00001(02260001CE9A0001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: Platform found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118426 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - No visible name  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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



Feature Images

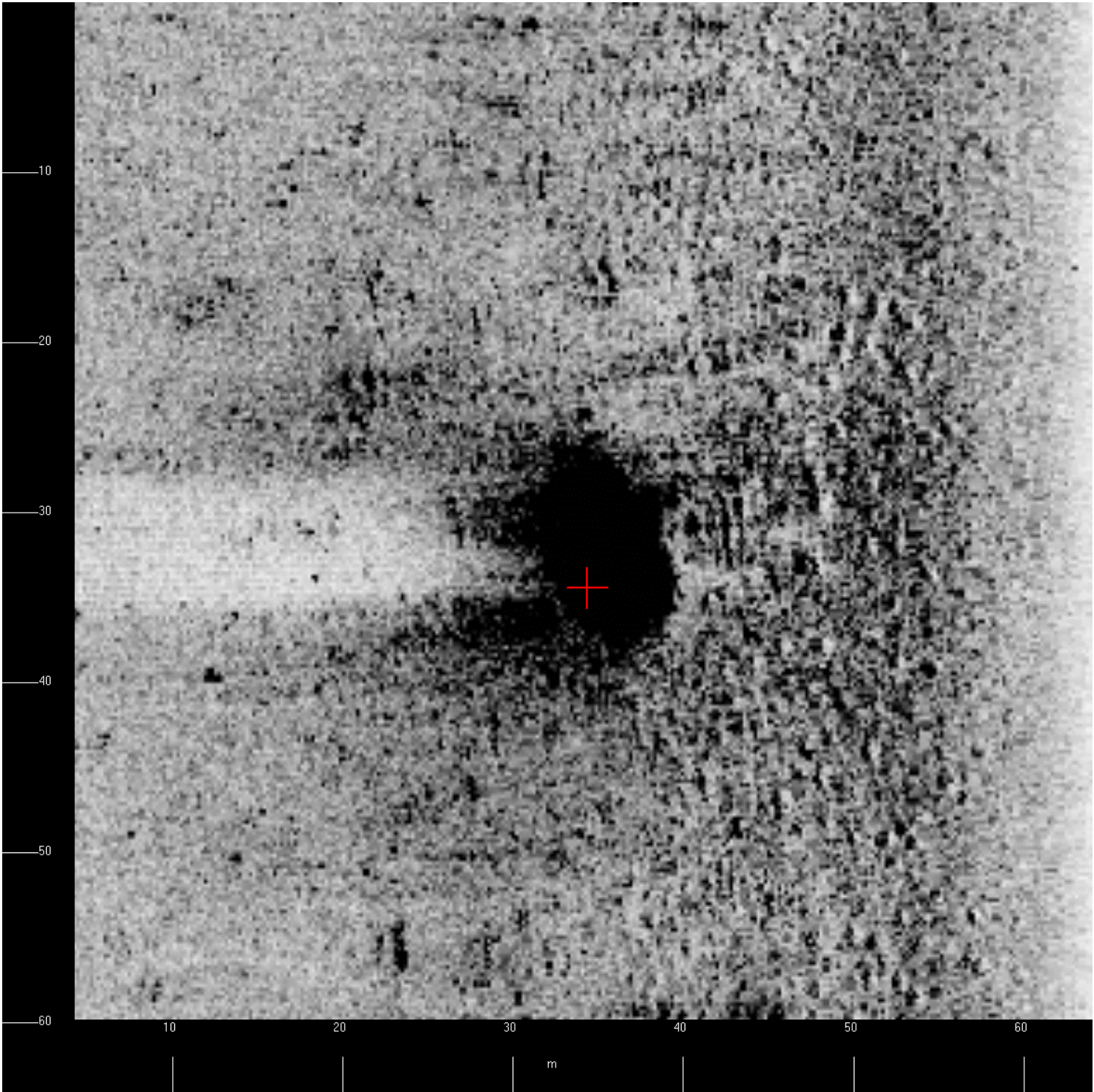


Figure 1.29.1

1.30) Delete charted platform, add present survey platform. - Prod No visible name

Survey Summary

**Survey Position:** 28° 53' 29.7" N, 090° 48' 32.1" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118411 00001(02260001CE8B0001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

Remarks:

OFSPLF/remrks: The following platform was found as charted

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118411 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remain as charted

S-57 Data

**Geo object 1:** Offshore platform (OFSPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - No visible name  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

Office Notes

SAR: Feature seen in SSS record.

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

Feature Images

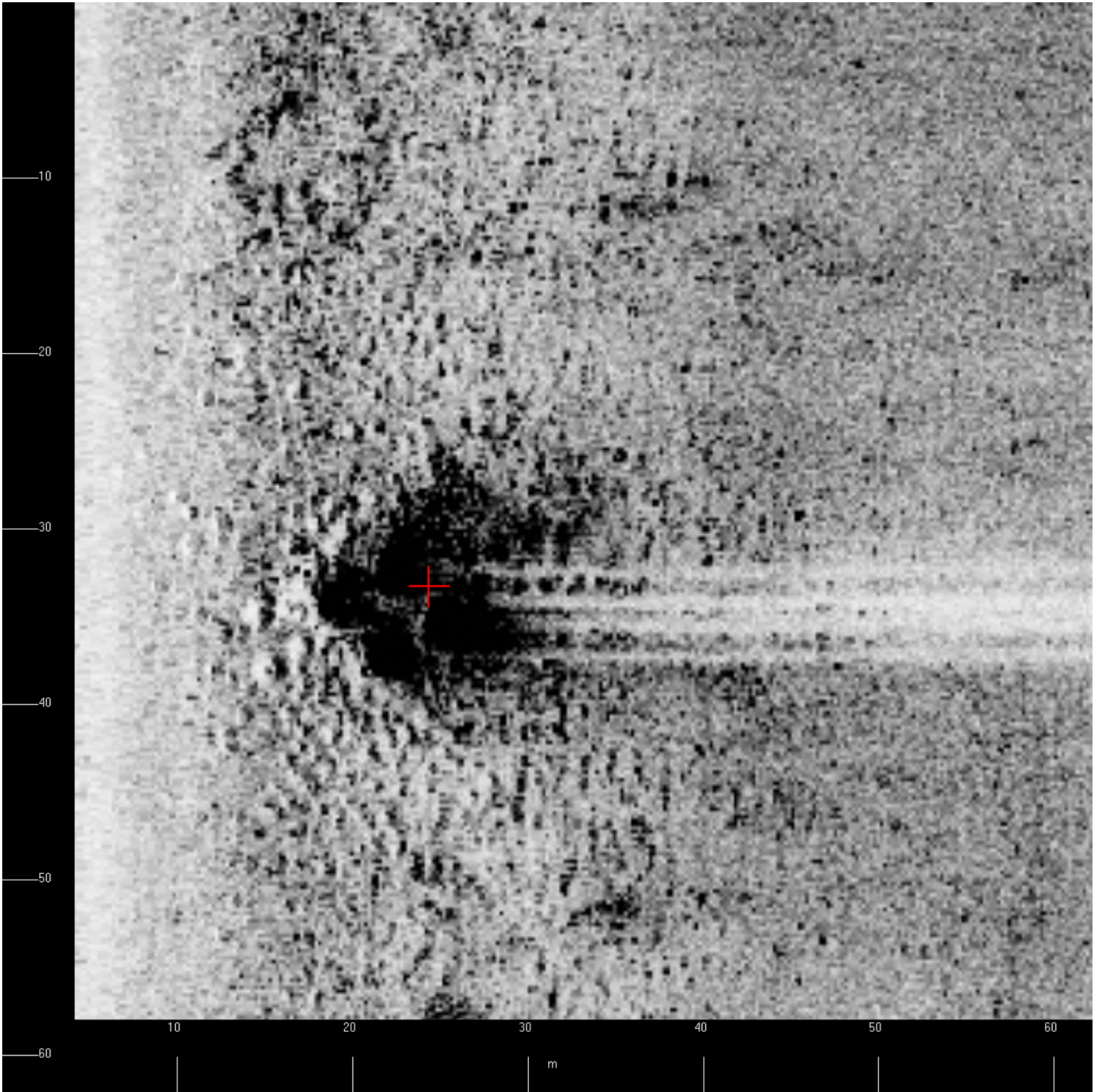


Figure 1.30.1



1.31) Charted Platform - Disproved

Survey Summary

**Survey Position:** 28° 53' 40.2" N, 090° 48' 32.0" W  
**Least Depth:** [None]  
**TPU (±1.96σ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 1981-001.00:00:00.000 (01/01/1981)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118371 00001(02260001CE630001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

**Remarks:**  
\$CSYMB/remrks: Structure currently charted, but no longer present at the time of the present survey

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118371 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from Chart

S-57 Data

**Geo object 1:** Cartographic symbol (\$CSYMB)  
**Attributes:** NINFOM - Delete offshore Platform  
NTXTDS - H12247,Chart#11357,Edition#41,20111124

Office Notes

SAR: There is no evidence of this platform in the SSS record.  
COMPILOTION: Concur. Delete offshore platform.

# H12447\_Charted Features

Registry Number:

State:

Locality:

Sub-locality:

Project Number:

Survey Date: [None]

## 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 Platform - Prod SS 94#17	GP	[None]	28° 51' 54.1" N	090° 51' 17.7" W	---
1.2	Add offshore Platform - No visible name	GP	[None]	28° 51' 36.8" N	090° 51' 04.9" W	---
1.3	Add Platform - Prod SS 94 AA	GP	[None]	28° 52' 56.9" N	090° 50' 55.2" W	---
1.4	Add Platform - Prod SS 94#6	GP	[None]	28° 52' 18.1" N	090° 50' 46.8" W	---
1.5	Add offshore platform- Prod SS 93#61	GP	[None]	28° 53' 33.4" N	090° 49' 60.0" W	---
1.6	Add offshore Platform - Prod SS 93#35	GP	[None]	28° 53' 02.7" N	090° 49' 50.8" W	---
1.7	Add offshore platform - Prod No visible name	GP	[None]	28° 53' 35.9" N	090° 49' 06.5" W	---

## 1.1) Add Platform - Prod SS 94#17

### Survey Summary

**Survey Position:** 28° 51' 54.1" N, 090° 51' 17.7" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118417 00001(02260001CE910001)  
**Charts Affected:** 11356\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

OFSPFL/remrks: The following platform was found as charted

### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118417 00001	0.00	000.0	Primary

### Hydrographer Recommendations

Remain as charted

### S-57 Data

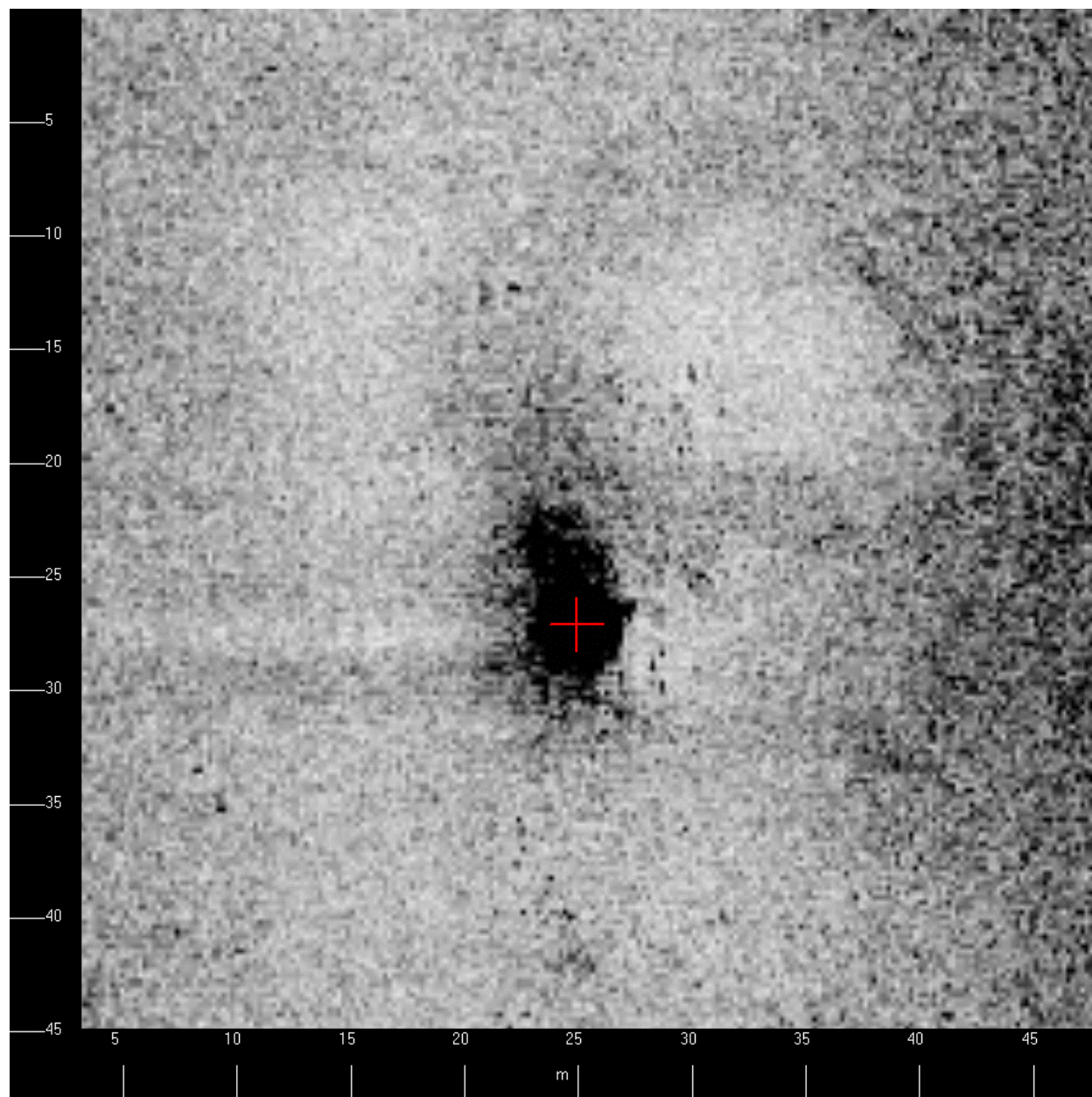
**Geo object 1:** Offshore platform (OFSPFL)  
**Attributes:** CONRAD - 1:radar conspicuous  
 CONVIS - 1:visual conspicuous  
 NINFOM - Add offshore platform  
 OBJNAM - SS 94#17  
 SORDAT - 20111124  
 SORIND - US,US,graph,H12247

### Office Notes

SAR: There is a feature seen in SSS. There is no currently charted platform associated with this item.  
 COMPILATION: Concur with conditions. Platform not presently charted. Add offshore platform in present

survey location.

## Feature Images



*Figure 1.1.1*

## 1.2) Add offshore Platform - No visible name

### Survey Summary

**Survey Position:** 28° 51' 36.8" N, 090° 51' 04.9" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-318.13:39:58.000 (11/14/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118420 00001(02260001CE940001)  
**Charts Affected:** 11356\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

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

### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118420 00001	0.00	000.0	Primary

### Hydrographer Recommendations

Add platform

### S-57 Data

**Geo object 1:** Offshore platform (OFSPFL)  
**Attributes:** NINFOM - Add offshore platform  
 OBJNAM - no visible name  
 SORDAT - 20111124  
 SORIND - US,US,graph,H12247

### Office Notes

SAR: Feature was seen in SSS data record.

### 1.3) Add Platform - Prod SS 94 AA

#### Survey Summary

**Survey Position:** 28° 52' 56.9" N, 090° 50' 55.2" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118430 00001(02260001CE9E0001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

OFSPPL/remrks: Platform found as charted

#### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118430 00001	0.00	000.0	Primary

#### Hydrographer Recommendations

Remain as charted

#### S-57 Data

**Geo object 1:** Offshore platform (OFSPPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
 CONVIS - 1:visual conspicuous  
 NINFOM - Add offshore platform  
 OBJNAM - SS 94 AA  
 SORDAT - 20111124  
 SORIND - US,US,graph,H12247

#### Office Notes

SAR: There is a feature seen in SSS. There is no currently charted platform associated with this item.



COMPILATION: Concur with conditions. Platform not presently charted. Add offshore platform in present survey location.

## Feature Images

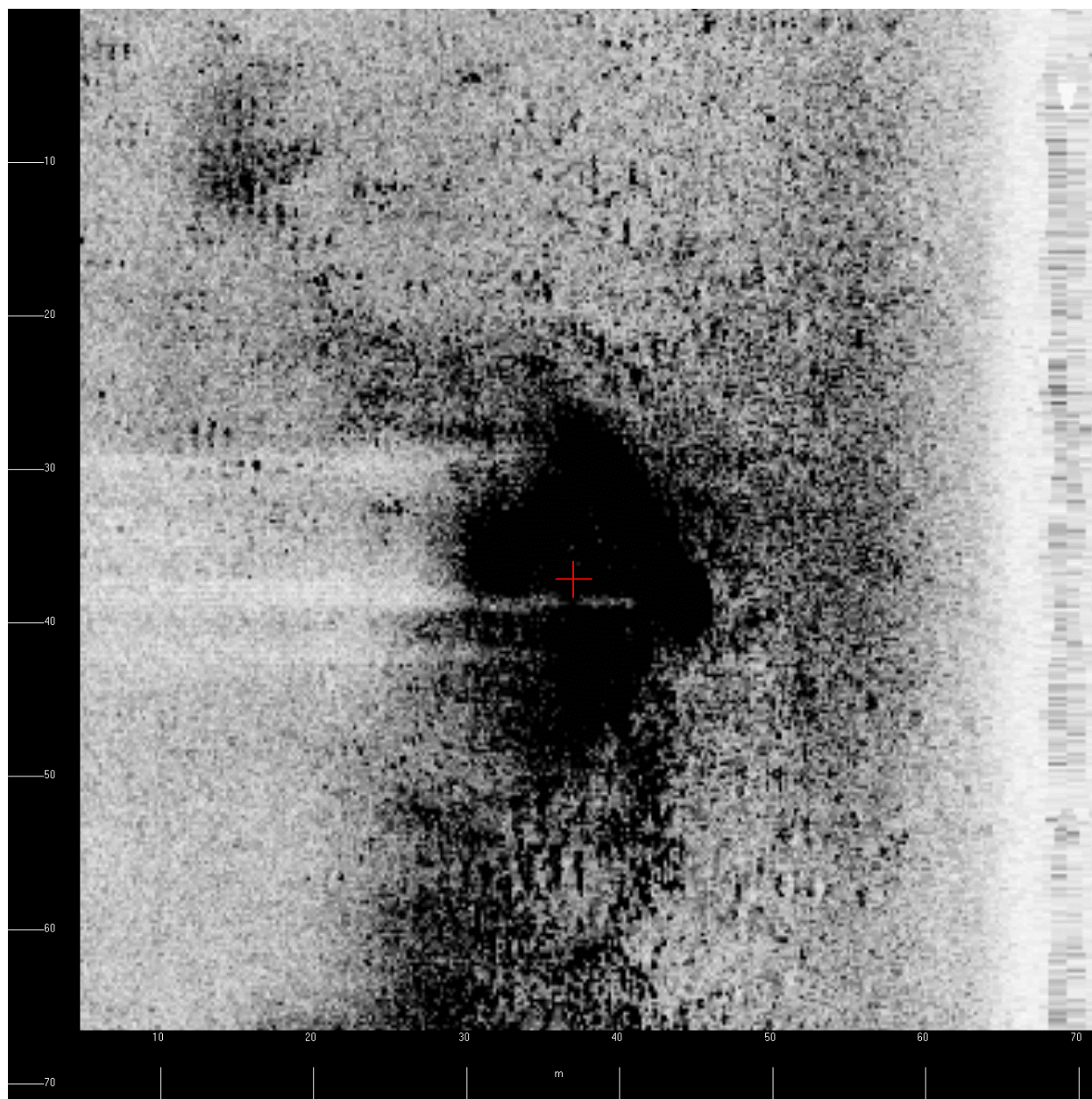


Figure 1.3.1

## 1.4) Add Platform - Prod SS 94#6

### Survey Summary

**Survey Position:** 28° 52' 18.1" N, 090° 50' 46.8" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118418 00001(02260001CE920001)  
**Charts Affected:** 11356\_1, 11357\_1, 1116A\_1, 11340\_1, 411\_1

**Remarks:**

OFSPFL/remrks: The following platform was found as charted

### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118418 00001	0.00	000.0	Primary

### Hydrographer Recommendations

Remain as charted

### S-57 Data

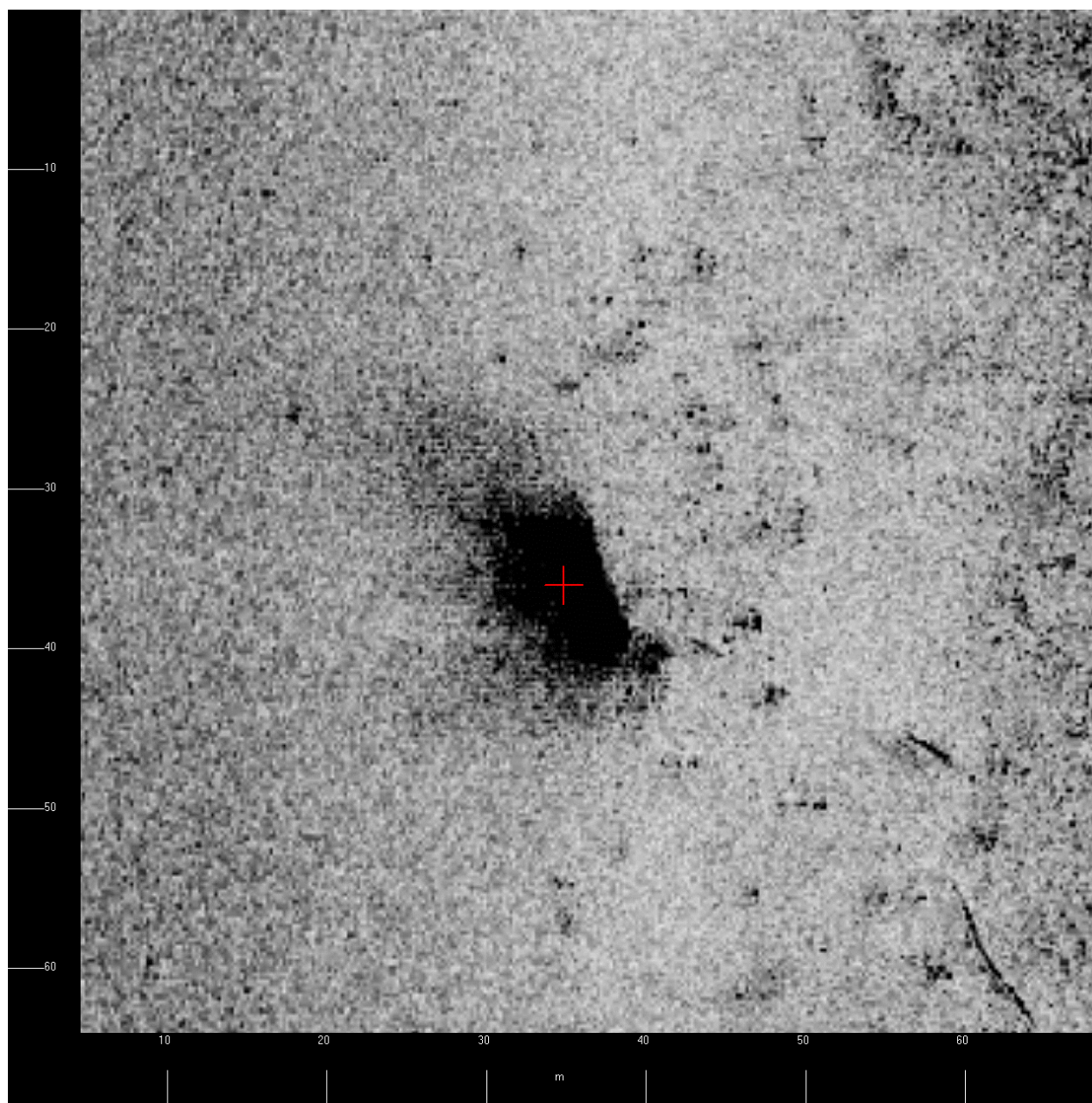
**Geo object 1:** Offshore platform (OFSPFL)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 94#6  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

### Office Notes

SAR: There is a feature seen in SSS. There is no currently charted platform associated with this item.

COMPILATION: Concur with conditions. Platform not presently charted. Add offshore platform in present survey location.

## Feature Images



*Figure 1.4.1*

## 1.5) Add offshore platform- Prod SS 93#61

### Survey Summary

**Survey Position:** 28° 53' 33.4" N, 090° 49' 60.0" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118423 00001(02260001CE970001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

**Remarks:**

OFSPPLF/remrks: Platform found as charted

### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118423 00001	0.00	000.0	Primary

### Hydrographer Recommendations

Remain as charted

### S-57 Data

**Geo object 1:** Offshore platform (OFSPPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
CONVIS - 1:visual conspicuous  
NINFOM - Add offshore platform  
OBJNAM - SS 93#61  
SORDAT - 20111124  
SORIND - US,US,graph,H12247

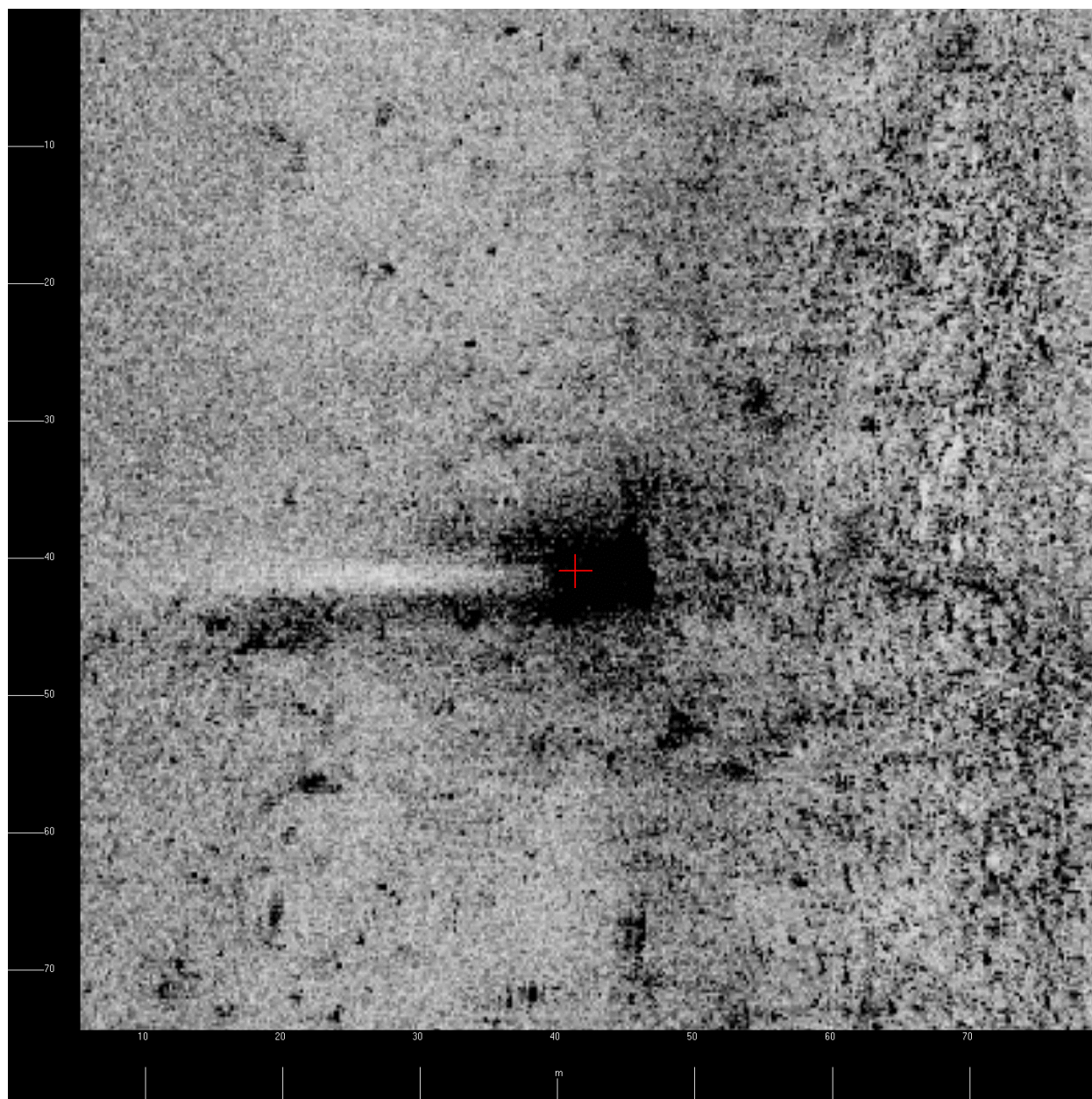
### Office Notes

SAR: Feature seen in SSS record.

COMPILATION: Concur with conditions. Platform not presently charted. Add offshore platform in present survey location.



## Feature Images



*Figure 1.5.1*

## 1.6) Add offshore Platform - Prod SS 93#35

### Survey Summary

**Survey Position:** 28° 53' 02.7" N, 090° 49' 50.8" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118413 00001(02260001CE8D0001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

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

### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118413 00001	0.00	000.0	Primary

### Hydrographer Recommendations

Add platform

### S-57 Data

**Geo object 1:** Offshore platform (OFSPFL)  
**Attributes:** CONRAD - 1:radar conspicuous  
 CONVIS - 1:visual conspicuous  
 NINFOM - Add offshore platform  
 OBJNAM - SS 93#35  
 SORDAT - 20111124  
 SORIND - US,US,graph,H12247

### Office Notes

SAR: Feature was seen in SSS data record.

COMPILATION: Concur. Add offshore platform in present survey location.

## Feature Images

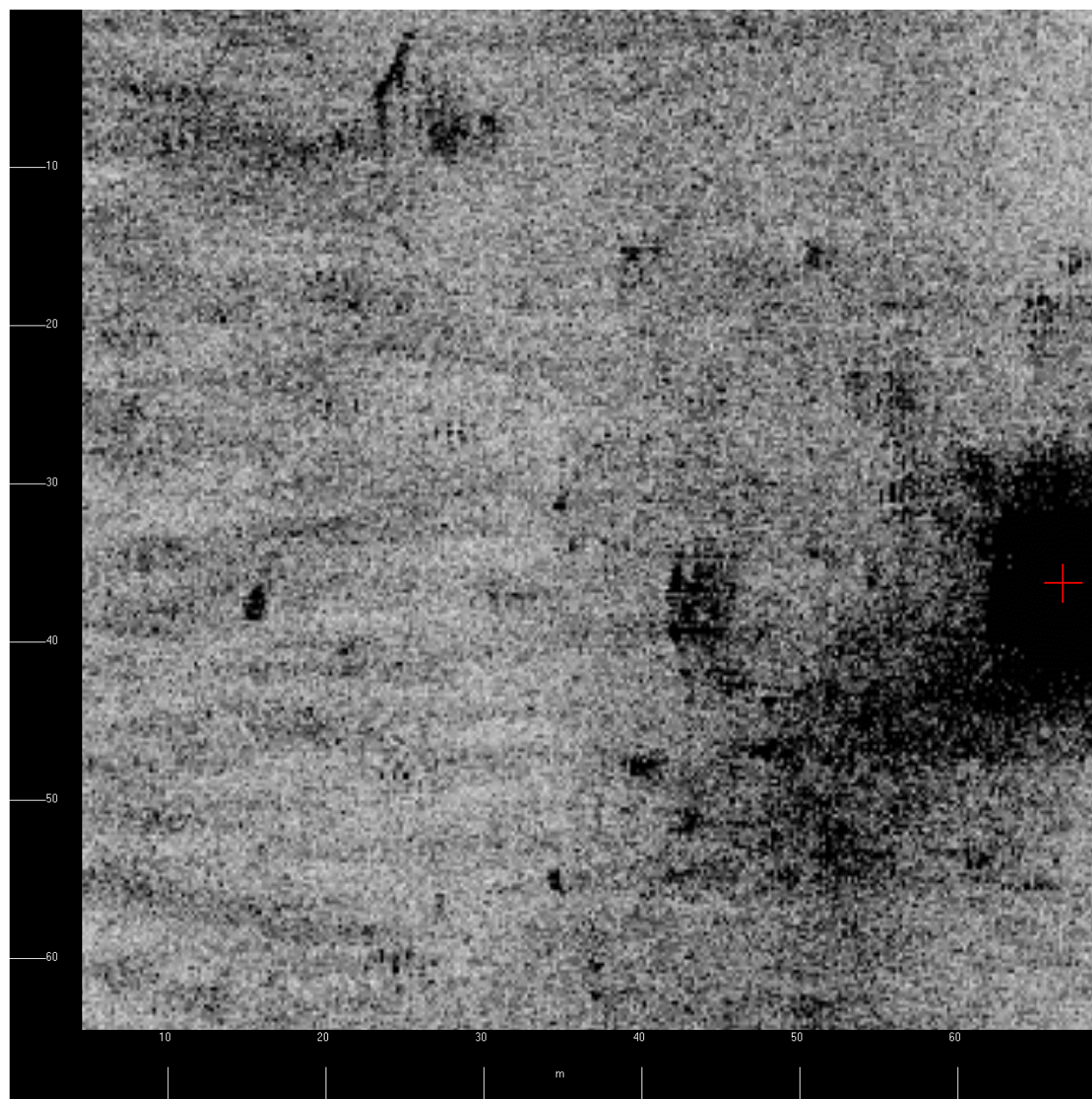


Figure 1.6.1

## 1.7) Add offshore platform - Prod No visible name

### Survey Summary

**Survey Position:** 28° 53' 35.9" N, 090° 49' 06.5" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2011-328.00:00:00.000 (11/24/2011)  
**Dataset:** H12247\_Features for PYDRO.000  
**FOID:** US 0000118431 00001(02260001CE9F0001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

OFSPPL/remrks: Uncharted Platform

### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_Features for PYDRO.000	US 0000118431 00001	0.00	000.0	Primary

### Hydrographer Recommendations

Add

### S-57 Data

**Geo object 1:** Offshore platform (OFSPPLF)  
**Attributes:** CONRAD - 1:radar conspicuous  
 CONVIS - 1:visual conspicuous  
 NINFOM - Add offshore platform  
 OBJNAM - No visible name  
 SORDAT - 20111124  
 SORIND - US,US,graph,H12247

## Office Notes

SAR: Feature was seen in SSS data record.

COMPILATION: Concur with conditions. The following uncharted platform was found during the present survey. This feature is not mentioned in the DR or Appendices.

Add offshore platform in present survey location.

# H12247\_Seabed Characteristics

**Registry Number:**

**State:**

**Locality:**

**Sub-locality:**

**Project Number:**

**Survey Dates:** 07/01/2003 - 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 - sand, shells	GP	[None]	28° 52' 54.2" N	090° 51' 24.4" W	---
1.2	Retain Seabed Characteristic - sand	GP	[None]	28° 53' 04.9" N	090° 49' 43.7" W	---
1.3	Retain Seabed Characteristic - sand,mud	GP	[None]	28° 52' 18.3" N	090° 49' 14.9" W	---
1.4	Retain Seabed Characteristic - hard,sand	GP	[None]	28° 54' 29.7" N	090° 48' 50.7" W	---



## 1.1) Retain Seabed Characteristic - sand, shells

### Survey Summary

**Survey Position:** 28° 52' 54.2" N, 090° 51' 24.4" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2006-001.00:00:00.000 (01/01/2006)  
**Dataset:** H12247\_BS for PYDRO.000  
**FOID:** US 0000060175 00001(02260000EB0F0001)  
**Charts Affected:** 11356\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

[None]

### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_BS for PYDRO.000	US 0000060175 00001	0.00	000.0	Primary

### Hydrographer Recommendations

[None]

### S-57 Data

**Geo object 1:** Seabed area (SBDARE)  
**Attributes:** NATSUR - 4,17:sand,shells  
 NINFOM - Retain Seabed Characteristic  
 SORDAT - 20060100  
 SORIND - US,US,graph,chart 11356

### Office Notes

COMPILATION: Retain Seabed Characteristic - sand, shells

## 1.2) Retain Seabed Characteristic - sand

### Survey Summary

**Survey Position:** 28° 53' 04.9" N, 090° 49' 43.7" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2003-182.00:00:00.000 (07/01/2003)  
**Dataset:** H12247\_BS for PYDRO.000  
**FOID:** US 0000060165 00001(02260000EB050001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

[None]

### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_BS for PYDRO.000	US 0000060165 00001	0.00	000.0	Primary

### Hydrographer Recommendations

[None]

### S-57 Data

**Geo object 1:** Seabed area (SBDARE)  
**Attributes:** NATSUR - 4:sand  
 NINFOM - Retain Seabed Characteristic  
 SORDAT - 20030700  
 SORIND - US,US,graph,Chart 11357

### Office Notes

COMPILATION: Retain Seabed Characteristic - sand

### 1.3) Retain Seabed Characteristic - sand,mud

#### Survey Summary

**Survey Position:** 28° 52' 18.3" N, 090° 49' 14.9" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2003-182.00:00:00.000 (07/01/2003)  
**Dataset:** H12247\_BS for PYDRO.000  
**FOID:** US 0000060166 00001(02260000EB060001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

[None]

#### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_BS for PYDRO.000	US 0000060166 00001	0.00	000.0	Primary

#### Hydrographer Recommendations

[None]

#### S-57 Data

**Geo object 1:** Seabed area (SBDARE)  
**Attributes:** NATSUR - 4,1:sand,mud  
 NINFOM - Retain Seabed Characteristic  
 SORDAT - 20030700  
 SORIND - US,US,graph,Chart 11357

#### Office Notes

COMPILATION: Retain Seabed Characteristic - sand,mud

## 1.4) Retain Seabed Characteristic - hard,sand

### Survey Summary

**Survey Position:** 28° 54' 29.7" N, 090° 48' 50.7" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2003-182.00:00:00.000 (07/01/2003)  
**Dataset:** H12247\_BS for PYDRO.000  
**FOID:** US 0000060167 00001(02260000EB070001)  
**Charts Affected:** 11357\_1, 1116A\_1, 11340\_1, 411\_1

#### Remarks:

[None]

### Feature Correlation

Source	Feature	Range	Azimuth	Status
H12247_BS for PYDRO.000	US 0000060167 00001	0.00	000.0	Primary

### Hydrographer Recommendations

[None]

### S-57 Data

**Geo object 1:** Seabed area (SBDARE)  
**Attributes:** NATQUA - 10:hard  
 NATSUR - 4:sand  
 NINFOM - Retain Seabed Characteristic  
 SORDAT - 20030700  
 SORIND - US,US,graph,Chart 11357

### Office Notes

COMPILATION: Retain Seabed Characteristic - hard,sand

APPENDIX III

RESERVED

APPENDIX IV

TIDES AND WATER LEVELS



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

[http://tidesandcurrents.noaa.gov/station\\_retrieve.shtml?type=Historic%20Tide%20Data&state=Louisiana&id1=876](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: August 8, 2010 - December 28, 2010  
 Registry No.: H12247 (Sheet 5)  
 Date: February 2011  
 Sheet Number: 5  
 Field Work is Complete  
 Time (UTC)

Date	Julian Day	Start	End	Year
8/8/2010	220	1126	2400	2010
8/9/2010	221	0000	2400	2010
8/10/2010	222	0000	2400	2010
8/11/2010	223	0000	0833	2010
8/15/2010	227	1351	1519	2010
8/23/2010	235	1758	2400	2010
8/24/2010	236	0000	2400	2010
8/25/2010	237	0000	0834	2010
9/9/2010	252	0553	0644	2010
10/21/2010	293	2353	0000	2010
10/22/2010	294	0026	0527	2010
12/20/2010	354	0751	1210	2010
12/28/2010	362	0554	1311	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](mailto:Richard.T.Brennan@noaa.gov)>

**To:** Doug Baird <[Doug.Baird@noaa.gov](mailto:Doug.Baird@noaa.gov)>, Jeffrey Ferguson <[Jeffrey.Ferguson@noaa.gov](mailto:Jeffrey.Ferguson@noaa.gov)>, Mike Brown <[Mike.Brown@noaa.gov](mailto:Mike.Brown@noaa.gov)>, "John.Nyberg" <[John.Nyberg@noaa.gov](mailto:John.Nyberg@noaa.gov)>, "[howard.danley@noaa.gov](mailto:howard.danley@noaa.gov)" <[Howard.Danley@noaa.gov](mailto:Howard.Danley@noaa.gov)>, Ed Martin <[Ed.Martin@noaa.gov](mailto: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

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Learn about NOAA's Office of Coast Survey:

[www.nauticalcharts.noaa.gov](http://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](mailto: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.

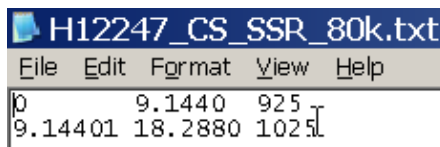
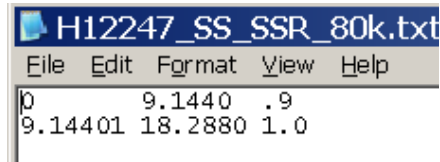
## AHB COMPILATION LOG

General Survey Information	
REGISTRY No.	<i>H12247</i>
PROJECT No.	<i>OPR-K354-KR-10</i>
FIELD UNIT	<i>C&amp;C Technologies</i>
DATE OF SURVEY	<i>20100808 - 20111124</i>
LARGEST SCALE CHART	<i>11356, edition 38, 20080601, 1:80,000</i>
ADDITIONAL CHARTS	<i>11357, edition 41, 20110501, 1:80,000</i>
SOUNDING UNITS	<i>FEET</i>
COMPILER	<i>Deborah A. Bland</i>
Source Grids	File Name T:\ H12247_K354_CC\AHB_H12247\SAR Final Products\GRIDS
	H12247_Sub1_1m_Final.csar H12247_Sub1_Investigations_50cm_Final.csar
Surfaces	File Name T:\ H12247_K354_CC\AHB_H12247\COMPILE\Working
<i>Combined</i>	H12247_4m_Combined.csar
<i>Interpolated TIN</i>	\Interpolated TIN\ H12247_12m_InterpTIN.csar
<i>Shifted Interpolated TIN</i>	\Shifted Surface\ H12247_12m_InterpTIN_Shifted.csar
Final HOBs	File Name T:\ H12247_K354_CC\AHB_H12247\COMPILE\Final_Hobs
<i>Survey Scale Soundings</i>	H12247_SS_Soundings.hob
<i>Chart Scale Soundings</i>	H12247_CS_Soundings.hob
<i>Contour Layer</i>	H12247_Contours.hob
<i>Feature Layer</i>	H12247_Features.hob
<i>Meta-Objects Layer</i>	H12247_MetaObjects.hob
<i>Blue Notes</i>	H12247_BlueNotes.hob

Meta-Objects Attribution	
Acronym	Value
<b>M_COVR</b>	
CATCOV	1 – coverage available
SORDAT	20111124
SORIND	US,US,graph,H12247
<b>M_QUAL</b>	
CATZOC	1 – zone of confidence A1
INFORM	M/V Inez McCall
TECSOU	3 - Found by multi-beam
POSACC	5.0 m
SORDAT	20111124
SORIND	US,US,graph,H12247
SUREND	20111124
SURSTA	20100808
<b>DEPARE</b>	
DRVALV 1	19.0 ft
DRVALV2	48.0 ft
SORDAT	20111124
SORIND	US,US,graph,H12247

## 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: 1.0
    - ii. And/Or use radius table file: H12247\_SS\_SSR\_80k.txt [XXk = chart scale]
  
- d. Queried Depth of All Soundings
  - i. Minimum: 6.100 m
  - ii. Maximum: 10.660 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: H12247\_depth\_contours.txt
  - c. Output Options: Create contour lines
    - i. Line Object: DEPCNT
    - ii. Value Attribute: VALDCO
  
- V. FEATURES:
  - a. Number of Chart Features: 31 [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: 67
  - b. Attribute Name: Depth
  - c. Selection criteria: Radius, Shoal bias
  - d. Radius value is: Distance on the ground (m)
    - i. Use single-defined radius: N/A
    - ii. And/Or use radius table file: H12247\_SS\_SSR\_80k [XXk = chart scale]



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.

e. Number Survey CS Soundings: 56

VII. NOTES:  
[Type text]