

H12412

NOAA Form 76-35A

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Survey

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: H12412

LOCALITY

State: Connecticut

General Locality: Long Island Sound

Sub-locality: Offshore of Norwalk, CT

2012

CHIEF OF PARTY
CDR Lawrence T. Krepp

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

H12412

INSTRUCTIONS: The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

State: **Connecticut**

General Locality: **Long Island Sound**

Sub-Locality: **Offshore of Norwalk, CT**

Scale: **10000**

Dates of Survey: **08/25/2012 to 09/27/2012**

Instructions Dated: **05/08/2012**

Project Number: **OPR-B340-TJ-12**

Field Unit: **NOAA Ship *Thomas Jefferson***

Chief of Party: **CDR Lawrence T. Krepp**

Soundings by: **Multibeam Echo Sounder**

Imagery by:

Verification by: **Atlantic Hydrographic Branch**

Soundings Acquired in: **meters at Mean Lower Low Water**

H-Cell Compilation Units: ***meters at Mean Lower Low Water***

Remarks:

The purpose of this survey is to provide contemporary surveys to update National Ocean Service (NOS) nautical charts. All separates are filed with the hydrographic data. Any revisions to the Descriptive Report (DR) generated during office processing are shown in bold red italic text. The processing branch maintains the DR as a field unit product, therefore, all information and recommendations within the body of the DR are considered preliminary unless otherwise noted. The final disposition of surveyed features is represented in the OCS nautical chart update products. All pertinent records for this survey, including the DR, are archived at the National Geophysical Data Center (NGDC) and can be retrieved via <http://www.ngdc.noaa.gov/>.

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Descriptive Report to Accompany Survey H12412

Project: OPR-B340-TJ-12

Locality: Long Island Sound

Sublocality: Offshore of Norwalk, CT

Scale: 1:10000

August 2012 - September 2012

NOAA Ship *Thomas Jefferson*

Chief of Party: CDR Lawrence T. Krepp

A. Area Surveyed

The survey area was a rectangular area that covered approximately 17.6 square nautical miles and was within Long Island Sound. The sheet's southern limit was approximately 1NM from the northern tip of Eaton's Neck, NY and the northern limit was approximately 6.9 NM from the southern-most charted tip of Sheffield Island, CT. The area included Cable and Anchor Reef.

A.1 Survey Limits

Data was acquired within the following survey limits:

Northeast Limit	Southwest Limit
41.0279 N	40.971 N
73.3411 W	73.4594 W

Table 1: Survey Limits

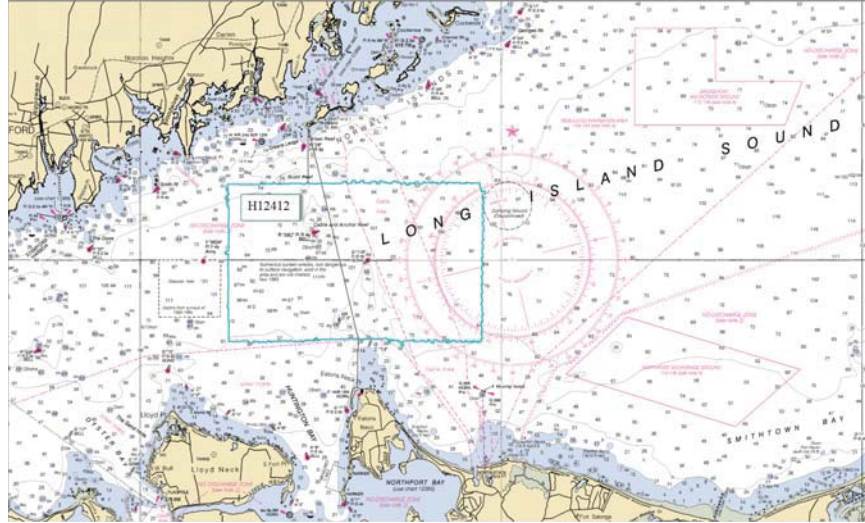


Figure 1: H12412 Survey Area

Survey Limits were acquired in accordance with the requirements in the Project Instructions and the HSSD.

A.2 Survey Purpose

This project is being conducted in support of NOAA's Office of Coast Survey to provide contemporary hydrographic data in order to update the nautical charting products and reduce the survey backlog within the area. In addition, data from this project will support the Long Island Sound Seafloor Mapping Initiative for the States of Connecticut and New York. This project also responds to the Coast Guard proposal to establish six anchorage grounds in Long Island Sound to increase safety for vessels through enhanced voyage planning and also by clearly indicating the location of anchorage grounds for ships proceeding to ports in New York. The USCG is requesting that NOAA confirm that their underwater surveys of Long Island Sound did not detect any wrecks at all in the locations being proposed for the anchorage areas. Data acquired for this project will be used by partners for species and habitat identification, infrastructure projects, ocean mapping, coastal hazards and geology. Partners include the US Environmental Protection Agency, Connecticut Department of Environmental Protection, the University of Connecticut Marine Science Department, New York Department of Environmental Quality, and other organizations. This project will cover approximately 206 SNM of which 165 SNM are critical survey areas as designated in the NOAA Hydrographic Survey Priorities, 2010 edition.

A.3 Survey Quality

The entire survey is adequate to supersede previous data.

A.4 Survey Coverage

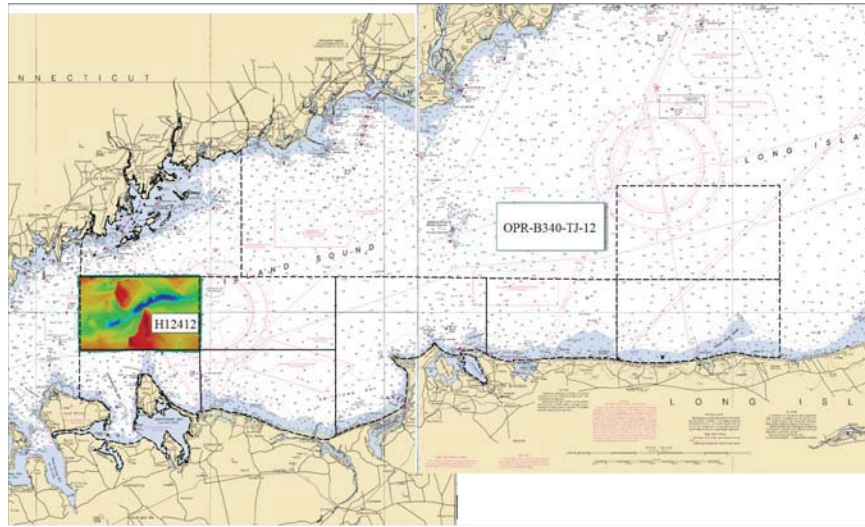


Figure 2: H12412 survey area within project area

Survey Coverage was in accordance with the requirements in the Project Instructions and the HSSD.

A.5 Survey Statistics

The following table lists the mainscheme and crossline acquisition mileage for this survey:

	HULL ID	S222	3101	3102	Total
LNM	SBES Mainscheme	0	0	0	0
	MBES Mainscheme	508.64	46.16	88.32	643.12
	Lidar Mainscheme	0	0	0	0
	SSS Mainscheme	0	0	0	0
	SBES/MBES Combo Mainscheme	0	0	0	0
	SBES/SSS Combo Mainscheme	0	0	0	0
	MBES/SSS Combo Mainscheme	0	0	0	0
	SBES/MBES Combo Crosslines	28.64	0	6.45	35.09
	Lidar Crosslines	0	0	0	0
	Number of Bottom Samples				
Number of DPs					0
Number of Items Items Investigated by Dive Ops					0
Total Number of SNM					17.61

Table 2: Hydrographic Survey Statistics

The following table lists the specific dates of data acquisition for this survey:

<i>Survey Dates</i>
08/24/2012
08/25/2012
08/26/2012
08/27/2012
08/28/2012
09/05/2012
09/06/2012
09/07/2012
09/08/2012
09/09/2012
09/10/2012
09/11/2012
09/12/2012
09/13/2012
09/26/2012
09/27/2013

Table 3: Dates of Hydrography

A.6 Shoreline

Shoreline was investigated in accordance with the Project Instructions and the HSSD.

A.7 Bottom Samples

Original files provided was modified by HSD to remove bottom samples that were considered recent. The revised listing had 6 bottom samples of which all 6 were collected.

B. Data Acquisition and Processing

B.1 Equipment and Vessels

Refer to the Data Acquisition and Processing Report (DAPR) for a complete description of data acquisition and processing systems, survey vessels, quality control procedures and data processing methods. Additional

information to supplement sounding and survey data, and any deviations from the DAPR are discussed in the following sections.

B.1.1 Vessels

The following vessels were used for data acquisition during this survey:

Hull ID	<i>S222</i>	<i>3101</i>	<i>3102</i>
LOA	208 feet	31 feet	31 feet
Draft	14 feet	5.2 feet	5.2 feet

Table 4: Vessels Used

B.1.2 Equipment

The following major systems were used for data acquisition during this survey:

Manufacturer	Model	Type
Reson	7125 ROV	MBES
Reson	7125 SV1	MBES
Applanix	POSMV4	Positioning and Attitude System
Brooke Ocean	MVP100	Sound Speed System
Sea Bird	SBE19+	Conductivity, Temperature and Depth Sensor

Table 5: Major Systems Used

S222 utilized a Reson 7125 ROV unit and the MVP-100 for all data acquisition. 3101 and 3102 utilized Reson 7125 SV1's and Sea Bird SBE19+'s for all data acquisition. All three platforms utilized the POSMV4.

B.2 Quality Control

B.2.1 Crosslines

To conduct the crossline analysis, a surface with just the crosslines and a surface with just the mainscheme were created. Before creating the crossline surface, however, a copy of the lines was created and the crosslines were filtered to only include beams 220-292 to minimize any sound velocity issues that might

have presented themselves. After the two surfaces were created a difference surface was then calculated using the mainscheme and the crossline surfaces as the source surfaces. The average difference between the two surfaces was 6.9cm with a standard deviation of 12.5cm. There were larger differences in areas of larger relief which were exaggerated due to the 4m surface being used. For instance, in Figure 3, you can see on the left the highlighted points of difference between mainscheme and crosslines. Out of the 4 points being reviewed in the screenshot, one has a difference of 2.9m and the other three are all over 1m in difference between the surfaces. As the data on the right shows, though, there is little to no difference between crosslines and mainscheme (the blue line is the crossline). This analysis shows that there is a high correlation between crossline and mainscheme data throughout the sheet.

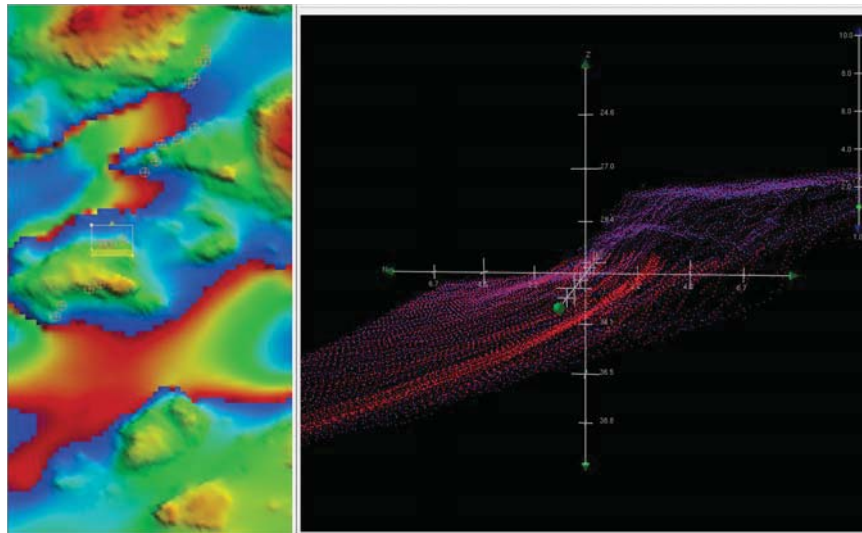


Figure 3: Crossline Difference Example

B.2.2 Uncertainty

The following survey specific parameters were used for this survey:

Measured	Zoning
0meters	0.102meters

Table 6: Survey Specific Tide TPU Values

Hull ID	Measured - CTD	Measured - MVP	Surface
S222	N/A meters/second	1 meters/second	0.2 meters/second
3101	4 meters/second	N/A meters/second	0.2 meters/second
3102	4 meters/second	N/A meters/second	0.2 meters/second

Table 7: Survey Specific Sound Speed TPU Values

This survey had the option of being conducted as an Ellipsoidally Referenced Survey. This option was exercised and the tidal uncertainty values listed and used are the values provided by HSD as the uncertainty values of the VDATUM separation model. No CTDs were conducted off of S222 therefore all sound speed values for the ship used the values for the MVP.

Some of the lines could not be processed to the ellipsoid due to positioning data not being recorded. For those lines, TCARI was used as the tidal reducer. TCARI computes tidal uncertainty values throughout the area. When TCARI was used as the tidal reducer, tidal uncertainty values were left at 0. For the list of lines reduced using TCARI, refer to the Vertical and Horizontal control section.

B.2.3 Junctions

Junction files were not provided in a form that readily opened in our processing software. It is requested that future junctions be provided in a format that is able to be opened natively in CARIS products.

The following junctions were made with this survey:

Registry Number	Scale	Year	Field Unit	Relative Location
H10565	1:10000	1994	Atlantic Hydrographic Party	NW

Table 8: Junctioning Surveys

H10565

Depths that were provided for this junction did not overlap with the current sheet limits therefore no analysis could be conducted.

B.2.4 Sonar QC Checks

Sonar system quality control checks were conducted as detailed in the quality control section of the DAPR.

B.2.5 Equipment Effectiveness

B.2.5.1 None Exist

There were no conditions or deficiencies that affected equipment operational effectiveness.

B.2.6 Factors Affecting Soundings

B.2.6.1 None Exist

There were no other factors that affected corrections to soundings.

B.2.7 Sound Speed Methods

Sound Speed Cast Frequency: On the ship (S222), casts were taken every 20-30 minutes using the Moving Vessel Profiler. Attempts were made to ensure that casts were taken in different geographical locations each time. Both launch 3101 and 3102 took casts every 3 hours. Casts were taken in the deepest locations in the immediate areas that were being surveyed.

No zoning was conducted to account for differing water masses.

B.2.8 Coverage Equipment and Methods

All equipment and survey methods were used as detailed in the DAPR.

B.3 Echo Sounding Corrections

B.3.1 Corrections to Echo Soundings

All data reduction procedures conform to those detailed in the DAPR.

B.3.2 Calibrations

All sounding systems were calibrated as detailed in the DAPR.

B.4 Backscatter

Backscatter was logged as a 7k file and submitted to the IOCM processing center and/or directly to NGDC, and is not included with the data submitted to the Branch.

B.5 Data Processing

B.5.1 Software Updates

There were no software configuration changes after the DAPR was submitted.

The following Feature Object Catalog was used: CARIS support files ver 5.2 were utilized for this survey.

Minor adjustments were made to the catalog files included in this version to better suit the needs of the THOMAS JEFFERSON.

B.5.2 Surfaces

The following CARIS surfaces were submitted to the Processing Branch:

Surface Name	Surface Type	Resolution	Depth Range	Surface Parameter	Purpose
H12412_FS1_CUBE_2m_Final	CUBE	2 meters	18 meters - 40 meters	NOAA_2m	Complete MBES
H12412_FS2_CUBE_50cm_Final	CUBE	50 centimeters	16.7 meters - 20 meters	NOAA_0.5m	Object Detection
H12412_FS3_CUBE_50cm_Final	CUBE	50 centimeters	5.79 meters - 20 meters	NOAA_0.5m	Object Detection
H12412_FS4_CUBE_50cm_Final	CUBE	50 centimeters	5.71 meters - 20 meters	NOAA_0.5m	Object Detection
H12412_FS5_CUBE_50cm_Final	CUBE	50 centimeters	8.03 meters - 20 meters	NOAA_0.5m	Object Detection
H12412_FS6_CUBE_50cm_Final	CUBE	50 centimeters	13.74 meters - 20 meters	NOAA_0.5m	Object Detection
H12412_FS7_CUBE_50cm_Final	CUBE	50 centimeters	13.33 meters - 20 meters	NOAA_0.5m	Object Detection
H12412_FS8_CUBE_4m_Final	CUBE	4 meters	36 meters - 63.28 meters	NOAA_4m	Complete MBES
H12412_FS9_CUBE_4m_Final	CUBE	4 meters	36 meters - 41.10 meters	NOAA_4m	Complete MBES
412_CUBE_MLLW_Final_Combined	CUBE	4 meters	5.71 meters - 63.28 meters	N/A	Combined Surface

Table 9: CARIS Surfaces

Attempts were made to keep the total number of surfaces low while also keeping storage low. There were several isolated areas that had either depths less than 20m or depths deeper than 40m requiring additional surfaces.

C. Vertical and Horizontal Control

Additional information discussing the vertical or horizontal control for this survey can be found in the accompanying HVCR.

C.1 Vertical Control

The vertical datum for this project is Mean Lower Low Water.

Standard Vertical Control Methods Used:

TCARI

The following National Water Level Observation Network (NWLON) stations served as datum control for this survey:

Station Name	Station ID
New Haven, CT	8465705
Bridgeport, CT	8467150
Kings Point, NY	8516945

Table 10: NWLON Tide Stations

File Name	Status
8465705.tid	Verified Observed
8467150.tid	Verified Observed
8516945.tid	Verified Observed

Table 11: Water Level Files (.tid)

File Name	Status
B340TJ2012_Rev.tc	Final

Table 12: Tide Correctors (.zdf or .tc)

A request for final approved tides was sent to N/OPS1 on 09/30/2012. The final tide note was received on 10/12/2012.

Verified tides were applied to all data. The majority of the data has GPS tides applied. However some of the lines could not be processed to the ellipsoid and were reduced using TCARI. These lines were all on 3102 and included:

DN 238:

-238_1322
-238_1329
-238_1347
-000_1801

DN 239:

-239_1619
-239_1622
-239_1624
-239_1631
-239_1634
-239_1637
-239_1639
-239_1642
-239_1644

Non-Standard Vertical Control Methods Used:

VDatum

Ellipsoid to Chart Datum Separation File:

2012_B340_VDatum_Ellip_MLLW

All data were processed to the ellipsoid using IAPPK methods as documented in the DAPR and reduced to MLLW using the VDATUM separation model provided by HSD except those lines listed above.

C.2 Horizontal Control

The horizontal datum for this project is North American Datum of 1983 (NAD83).

The following PPK methods were used for horizontal control:

Smart Base

Sites were selected by POSPAC MMS as directed by the Smart Base SOP.

The following CORS Stations were used for horizontal control:

HVCR Site ID	Base Station ID
CTDA	Darien
NYRH	Riverhead
MOR6	Moriches 6
ZNY1	New York WAAS 1
NYCI	Central Islip
NYQN	Queens
NYVH	Valhalla
CTBR	Brookfield
CTGU	Guilford
LAMT	Palisades
NYBR	Brooklyn Pier
MOR5	Moriches 5

Table 13: CORS Base Stations

Moriches was our primary DGPS station as it was closest, however for the majority of the summer, it was broadcasting at a reduced power. This meant that we had to switch to Acushnet periodically for the westernmost sheets when we were not able to receive Moriches.

The following DGPS Stations were used for horizontal control:

DGPS Stations
Moriches, NY
Acushnet, MA

Table 14: USCG DGPS Stations

D. Results and Recommendations

D.1 Chart Comparison

D.1.1 Raster Charts

The following are the largest scale raster charts, which cover the survey area:

Chart	Scale	Edition	Edition Date	LNM Date	NM Date
12363	1:80000	41	02/2010	12/18/2012	12/29/2012
12364	1:40000	39	09/2012	12/18/2012	12/29/2012
12365	1:20000	27	09/2012	12/18/2012	12/29/2012
12368	1:20000	27	06/2006	12/18/2012	12/29/2012

Table 15: Largest Scale Raster Charts

12363

In general, soundings agree within 1-2 ft with charted depths. There are a few notable differences.

North of Cable and Anchor Reef, there is a dynamic bottom with great changes in depths that are not reflected, nor are needed to be reflected on the charts. However, there is a charted 56ft shoal that is much shoaler than charted. The shoalest depth in this area is 48ft as shown in Figure 4.

To the SW of G "11", there are several uncharted wrecks that are shoaler than charted by 20ft in one case. However, they are not dangers to navigation based on their depth (Figure 5).

There is a note on the chart to the SW of Cable and Anchor Reef that notes the existence of numerous non-dangerous wrecks. There are a number of wrecks in that area and the statement can be maintained.

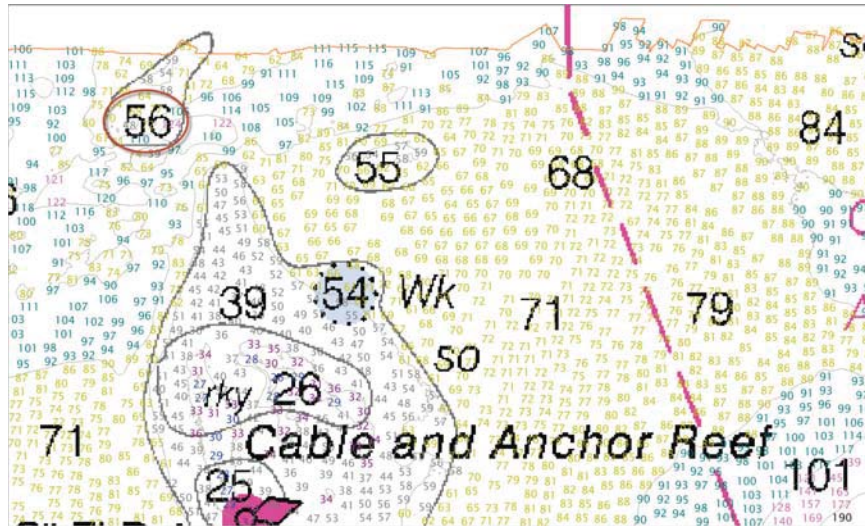


Figure 4: 12363 56ft Charted Shoal

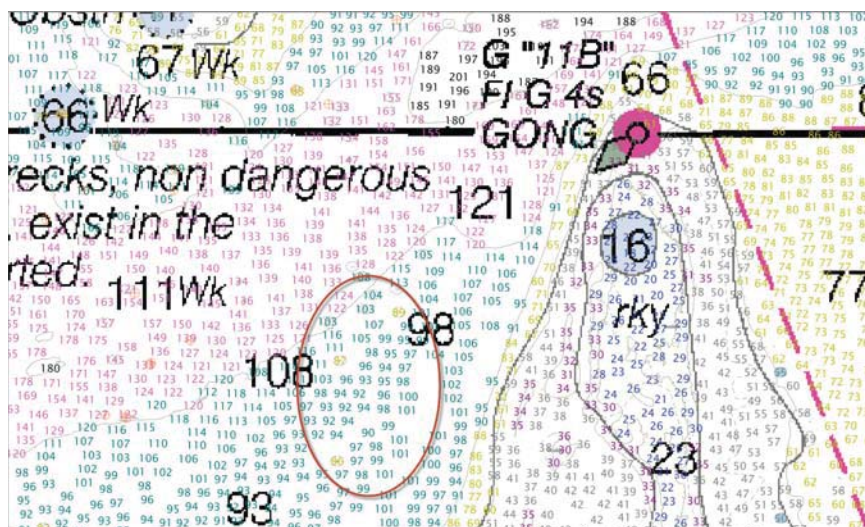


Figure 5: 12363 SW of G'11"

12364

This survey area is located within insets 8 and 20 of this chart. Soundings generally agree within 1-3ft of charted depths. This area provides more detail than chart 12363 however there are no other discrepancies on this chart than those listed for 12363.

12365

Soundings generally agree with charted depths within 1-3 feet. This is a larger-scale chart than 12363 however there are no other discrepancies than those listed for 12363.

12368

Soundings generally agree with charted depths within 1-3 feet. This is a larger-scale chart than 12363 however there are no other discrepancies than those listed for 12363.

D.1.2 Electronic Navigational Charts

The following are the largest scale ENC's, which cover the survey area:

ENC	Scale	Edition	Update Application Date	Issue Date	Preliminary?
US5NY14M	1:20000	17	09/25/2012	10/24/2012	NO
US5CN11M	1:20000	22	07/11/2012	01/08/2013	NO

Table 16: Largest Scale ENC's

US5NY14M

Soundings generally agree within 1-3ft of charted depths. Charted features should be updated using the FFF.

There is a lighted buoy on this chart that was not present at the time of the survey and does not appear on the ENC's in position 40.9881N, 073.4438W.

No other discrepancies were noted than those listed for RNC 12363.

US5CN11M

Soundings generally agree within 1-3ft of charted depths. Charted features should be updated using the FFF.

No other discrepancies were noted than those listed for RNC 12363.

D.1.3 AWOIS Items

Number of AWOIS Items Addressed: 168

Number of AWOIS Items Not Addressed: 0

There were numerous AWOIS items that had duplicate entries located within a few feet of each other. Upon reviewing the history, the majority of these items were duplicated on a single survey (H11601 - OPR-B389-CN). The AWOIS histories had almost identical wording and it is believed that 200% SSS resulted in

two contacts that were then both reported on instead of being correlated. It is recommended that 65 of the AWOIS entries be removed from the AWOIS database either due to duplicate entries or disprovals.

Only 2 AWOIS items that fell within this sheet were assigned. Neither were wholly contained on this sheet and the sheet limits were not modified to encapsulate the items as a concurrent survey (H12411) was being conducted within the area not within this sheet. Data from the concurrent survey were evaluated when making the recommendations for these two items. Both were reported shoals and both were disproved by the data.

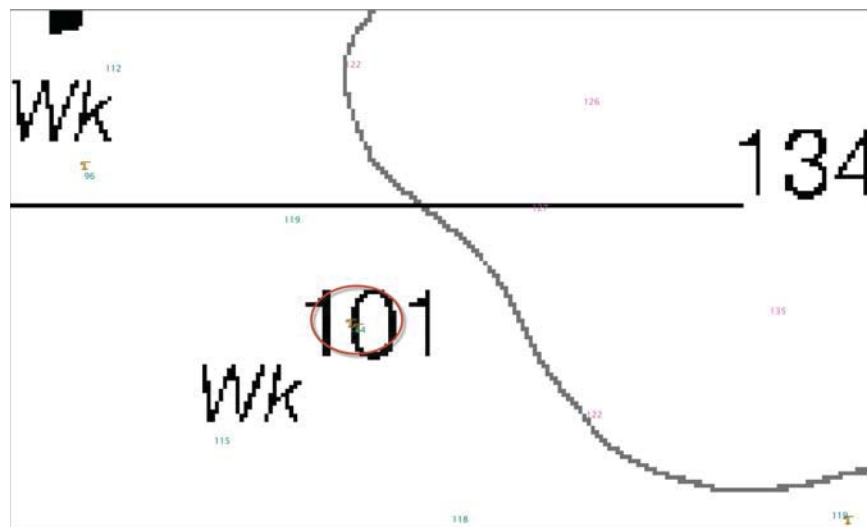


Figure 6: Duplicate AWOIS entries

D.1.4 Charted Features

There were no charted features with labels of PA, ED, PD, or Rep within this survey. All charted features were encapsulated by either the CSF or the PRF.

D.1.5 Uncharted Features

There were 50 uncharted features discovered during this survey. One was an obstruction. There were 13 areas of rocky seabed included in the FFF. There was also one area of sandwaves included in the FFF. The remainder of the items were underwater rocks or wrecks.

24 uncharted wrecks and 11 underwater rocks were discovered during this survey.

D.1.6 Dangers to Navigation

No Danger to Navigation Reports were submitted for this survey.

D.1.7 Shoal and Hazardous Features

There are two primary charted shoals within this survey. The first is Cable and Anchor Reef. The charted depths over this reef are within 1-3 ft of survey soundings and the contours around the reef are generally accurate within 100m. There is also a shoal north of Eaton's Neck. Charted depths over this shoal are accurate within 1-3ft of survey soundings and the contours are accurate within 150m.

D.1.8 Channels

No channels exist for this survey. There are no designated anchorages, precautionary areas, safety fairways, traffic separation schemes, pilot boarding areas, or channel and range lines within the survey limits.

D.2 Additional Results

D.2.1 Shoreline

Shoreline was not assigned in the Hydrographic Survey Project Instructions or Statement of Work.

D.2.2 Prior Surveys

No prior survey comparisons exist for this survey.

D.2.3 Aids to Navigation

There are three ATON's on the RNC's. All three were accurately charted and serving their purpose. There was a private lighted yellow buoy on the ENC that was not present on the RNC's. It was not present during the time of the survey.

D.2.4 Overhead Features

Overhead features do not exist for this survey.

D.2.5 Submarine Features

There is a cable area located on the eastern half of the sheet. There is a section of one cable that extends beyond the cable limits. The others fall within the cable area (Figure 7).

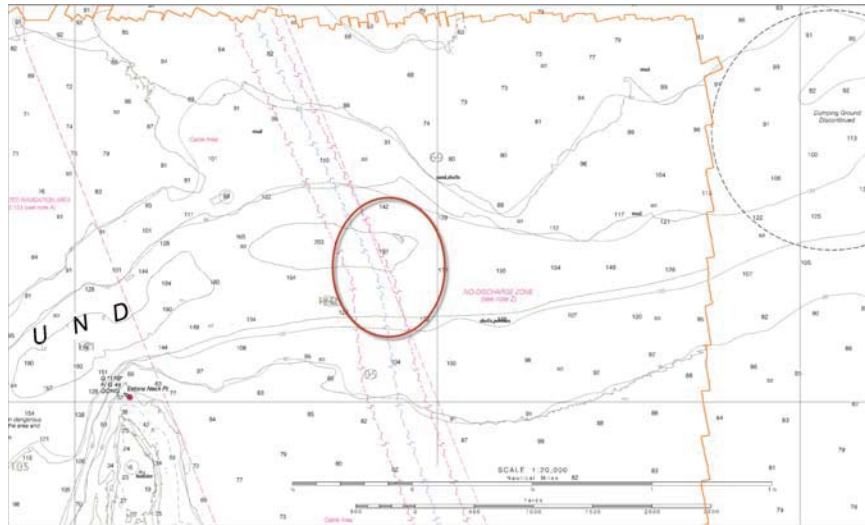


Figure 7: H12412 Cable Area

D.2.6 Ferry Routes and Terminals

No ferry routes or terminals exist for this survey.

D.2.7 Platforms

No platforms exist for this survey.

D.2.8 Significant Features

There was a large area of sandwaves found in the southern section of the sheet.

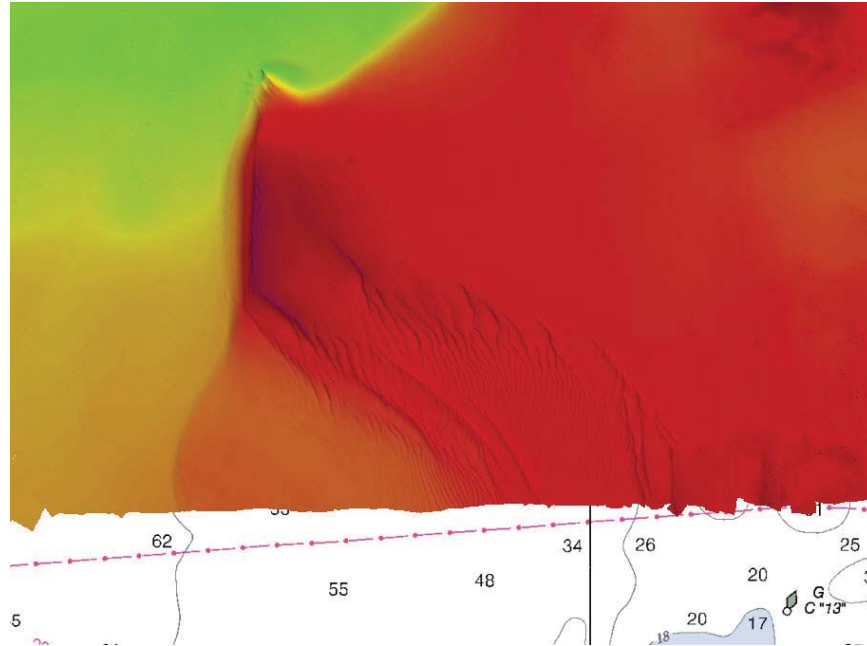


Figure 8: H12412 Sandwaves

D.2 Construction and Dredging


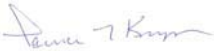
There is no present or planned construction or dredging within the survey limits.

E. Approval Sheet

As Chief of Party, Field operations for this hydrographic survey were conducted under my direct supervision, with frequent personal checks of progress and adequacy. I have reviewed the attached survey data and reports.

All field sheets, this Descriptive Report, and all accompanying records and data are approved. All records are forwarded for final review and processing to the Processing Branch.

The survey data meets or exceeds requirements as set forth in the NOS Hydrographic Surveys and Specifications Deliverables Manual, Field Procedures Manual, Standing and Letter Instructions, and all HSD Technical Directives. These data are adequate to supersede charted data in their common areas. This survey is complete and no additional work is required with the exception of deficiencies noted in the Descriptive Report.

Approver Name	Approver Title	Approval Date	Signature
LT William Winner	Field Operations Officer	02/21/2013	
CDR Lawrence T. Krepp	Commanding Officer	02/21/2013	

F. Table of Acronyms

Acronym	Definition
AFF	Assigned Features File
AHB	Atlantic Hydrographic Branch
AST	Assistant Survey Technician
ATON	Aid to Navigation
AWOIS	Automated Wreck and Obstruction Information System
BAG	Bathymetric Attributed Grid
BASE	Bathymetry Associated with Statistical Error
CO	Commanding Officer
CO-OPS	Center for Operational Products and Services
CORS	Continually Operating Reference Station
CTD	Conductivity Temperature Depth
CEF	Chart Evaluation File
CSF	Composite Source File
CST	Chief Survey Technician
CUBE	Combined Uncertainty and Bathymetry Estimator
DAPR	Data Acquisition and Processing Report
DGPS	Differential Global Positioning System
DP	Detached Position
DR	Descriptive Report
DTON	Danger to Navigation
ENC	Electronic Navigational Chart
ERS	Ellipsoidal Referenced Survey
ERZT	Ellipsoidally Referenced Zoned Tides
FOO	Field Operations Officer
FPM	Field Procedures Manual
GAMS	GPS Azimuth Measurement Subsystem
GC	Geographic Cell
GPS	Global Positioning System
HIPS	Hydrographic Information Processing System
HSD	Hydrographic Surveys Division
HSSDM	Hydrographic Survey Specifications and Deliverables Manual

Acronym	Definition
HSTP	Hydrographic Systems Technology Programs
HSX	Hypack Hysweep File Format
HTD	Hydrographic Surveys Technical Directive
HVCR	Horizontal and Vertical Control Report
HVF	HIPS Vessel File
IHO	International Hydrographic Organization
IMU	Inertial Motion Unit
ITRF	International Terrestrial Reference Frame
LNM	Local Notice to Mariners
LNM	Linear Nautical Miles
MCD	Marine Chart Division
MHW	Mean High Water
MLLW	Mean Lower Low Water
NAD 83	North American Datum of 1983
NAIP	National Agriculture and Imagery Program
NALL	Navigable Area Limit Line
NM	Notice to Mariners
NMEA	National Marine Electronics Association
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Service
NRT	Navigation Response Team
NSD	Navigation Services Division
OCS	Office of Coast Survey
OMAO	Office of Marine and Aviation Operations (NOAA)
OPS	Operations Branch
MBES	Multibeam Echosounder
NWLON	National Water Level Observation Network
PDBS	Phase Differencing Bathymetric Sonar
PHB	Pacific Hydrographic Branch
POS/MV	Position and Orientation System for Marine Vessels
PPK	Post Processed Kinematic
PPP	Precise Point Positioning
PPS	Pulse per second

Acronym	Definition
PRF	Project Reference File
PS	Physical Scientist
PST	Physical Science Technician
RNC	Raster Navigational Chart
RTK	Real Time Kinematic
SBES	Singlebeam Echosounder
SBET	Smooth Best Estimate and Trajectory
SNM	Square Nautical Miles
SSS	Side Scan Sonar
ST	Survey Technician
SVP	Sound Velocity Profiler
TCARI	Tidal Constituent And Residual Interpolation
TPU	Total Propagated Error
TPU	Topside Processing Unit
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
UTM	Universal Transverse Mercator
XO	Executive Officer
ZDA	Global Positioning System timing message
ZDF	Zone Definition File


APPENDIX I
TIDES AND WATER LEVELS



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Office of Coast Survey
Silver Spring, Maryland 20910-3282

October 9, 2012

MEMORANDUM FOR: CDR Larry Krepp, NOAA
Commanding Officer, NOAA Ship *Thomas Jefferson*
Jeffrey Ferguson

FROM: Jeffrey Ferguson  2012.10.19 13:36:15
Chief, Hydrographic Surveys Division -04'00'

SUBJECT: Vertical Datum Transformation Technique,
OPR-B340-TJ-12, Long Island Sound, NY

Hydrographic survey H12412 is approved for vertical reduction to chart datum, Mean Lower Low Water (MLLW), using the NOAA Vertical Datum Transformation (VDatum) (<http://vdatum.noaa.gov>) derived separation (SEP) model provided on the project CD/DVD.

Approval of VDatum, in lieu of the NOAA Center for Operational Oceanographic Products and Services (CO-OPS) TCARI package as per the Project Instructions, is based on your recommendation and the review of comparison results you included in your memo from October 6, 2012, Subject "H12412 Interim Deliverables".

The results of the data analysis show that ellipsoidally referenced survey (ERS) techniques with VDatum used as the vertical datum reducer to MLLW in this area indicate a better internal consistency of the survey data and produces final sounding values that meet or exceed horizontal and vertical specifications for hydrographic surveys.

The comparison techniques are in line with the procedures that were developed and approved as part of the CSDL Ellipsoidally Referenced Survey (ERS) project. These procedures and deliverables were added to the April 2012 edition of the NOS Hydrographic Surveys Specifications and Deliverables Manual and Field Procedures Manual documents.

You shall include a description of your ERS processing procedures and the comparisons you conducted between ERS and traditional tides in the appropriate Descriptive Report (DR), Horizontal and Vertical Control Report and/or Data Acquisition and Processing Report.

This memo and your memo, shall be included in the supplemental correspondence Appendix of the DR.





UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : October 04, 2012

HYDROGRAPHIC BRANCH: Atlantic
HYDROGRAPHIC PROJECT: OPR-B340-TJ-2012
HYDROGRAPHIC SHEET: H12412

LOCALITY: Offshore of Norwalk, Long Island Sound, CT
TIME PERIOD: August 24 - September 27, 2012

TIDE STATION USED: New Haven, CT 846-5705
Lat. 41° 17.0' N Long. 72° 54.5' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 1.946 meters

TIDE STATION USED: Bridgeport, CT 846-7150
Lat. 41° 10.4' N Long. 73° 10.9' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.129 meters

Tide STATION USED: Kings Point, NY 851-6945
Lat. 40° 48.6' Long. 73° 45.9' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.268 meters

REMARKS: RECOMMENDED GRID

Please use the TCARI grid "B340TJ2012_Rev.tc" as the final grid for project OPR-B340-TJ-2012, Registry No. H12412, during the time period between August 24 and September 27, 2012.

Refer to attachments for grid information.

Note 1: Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the 1983-2001 National Tidal Datum Epoch (NTDE).

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D.THOMAS.13
65860250

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DN: c=US, o=U.S. Government,
ou=DoD, ou=PKI, ou=OTHER,
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CHIEF, PRODUCTS AND SERVICES BRANCH



APPENDIX II

SUPPLEMENTAL SURVEY RECORDS AND CORRESPONDENCE

APPENDIX III

SURVEY FEATURES REPORT

AWOIS - two hundred and nine
Dangers to Navigation - three
Maritime Boundary - none
Wrecks - eighteen

H12412 AWOIS

Registry Number: H12412
State: Connecticut
Locality: Long Island Sound
Sub-locality: Offshore of Norwalk, CT
Project Number: OPR_B340-TJ-12
Survey Date: 08/25/2012 - 09/27/2012

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
12365	27th	09/01/2012	1:20,000 (12365_1)	USCG LNM: 10/8/2013 (11/12/2013) CHS NTM: None (10/25/2013) NGA NTM: 5/10/1997 (11/30/2013)
12368	28th	06/01/2013	1:20,000 (12368_1)	USCG LNM: 10/8/2013 (11/12/2013) CHS NTM: None (10/25/2013) NGA NTM: None (11/30/2013)
12364	38th	07/01/2008	1:40,000 (12364_8) 1:40,000 (12364_20)	[L]NTM: ?
12363	40th	06/01/2005	1:80,000 (12363_1)	[L]NTM: ?
12300	47th	05/01/2008	1:400,000 (12300_1)	[L]NTM: ?
13006	34th	05/01/2007	1:675,000 (13006_1)	[L]NTM: ?
5161	13th	10/01/2003	1:1,058,400 (5161_1)	[L]NTM: ?
13003	49th	04/01/2007	1:1,200,000 (13003_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 12711	Wreck	47.20 m	40° 59' 59.8" N	073° 24' 16.7" W	12711
1.2	AWOIS 12713	Wreck	52.69 m	41° 00' 03.3" N	073° 24' 09.1" W	12713
1.3	AWOIS 12712	Wreck	49.83 m	41° 00' 04.7" N	073° 24' 01.5" W	12712
1.4	AWOIS 12720	Wreck	52.45 m	41° 00' 11.2" N	073° 24' 10.6" W	12720
1.5	AWOIS 14052	Wreck	45.69 m	41° 00' 13.8" N	073° 24' 09.5" W	14052
1.6	AWOIS 14053	Wreck	49.27 m	41° 00' 14.0" N	073° 24' 13.6" W	14053

1.7	AWOIS 14084	Wreck	47.16 m	41° 00' 16.4" N	073° 23' 35.2" W	14084
1.8	Silted Wreck 4	Wreck	38.04 m	41° 00' 18.0" N	073° 23' 16.1" W	14047
1.9	Silted Wreck 2	Wreck	36.37 m	41° 00' 19.5" N	073° 23' 07.7" W	14046
1.10	AWOIS 14074	Wreck	52.24 m	41° 00' 21.4" N	073° 23' 50.4" W	14074
1.11	157ft Wreck	Wreck	47.90 m	41° 00' 24.7" N	073° 23' 40.8" W	14075
1.12	AWOIS 14045	Wreck	33.77 m	41° 00' 24.8" N	073° 22' 34.2" W	14045
1.13	AWOIS 14045.1	Wreck	34.47 m	41° 00' 25.5" N	073° 22' 36.3" W	---
1.14	AWOIS 14080	Wreck	53.82 m	41° 00' 25.5" N	073° 23' 24.3" W	14080
1.15	AWOIS 7684 Benjamin Packard	Wreck	29.46 m	41° 00' 31.2" N	073° 23' 42.5" W	7684
1.16	AWOIS 7685	Wreck	46.69 m	41° 00' 33.7" N	073° 23' 35.6" W	7685
1.17	AWOIS 14082	Wreck	43.35 m	41° 00' 42.0" N	073° 22' 12.9" W	14082
1.18	AWOIS 14077	Wreck	35.50 m	41° 00' 43.5" N	073° 23' 14.5" W	14077
1.19	AWOIS 14076	Wreck	26.86 m	41° 00' 45.3" N	073° 23' 43.1" W	14076
1.20	AWOIS 7683	GP	[None]	41° 00' 50.6" N	073° 23' 42.2" W	---
1.21	AWOIS 12679	Wreck	30.22 m	40° 59' 50.1" N	073° 25' 41.4" W	---
1.22	AWOIS 7745	Wreck	28.89 m	40° 59' 50.4" N	073° 26' 23.1" W	---
1.23	AWOIS 7748	GP	[None]	40° 59' 50.4" N	073° 25' 41.5" W	---
1.24	AWOIS 12631	GP	[None]	40° 59' 50.5" N	073° 26' 23.0" W	7745
1.25	AWOIS 12626	GP	[None]	40° 59' 50.6" N	073° 26' 41.9" W	---
1.26	AWOIS 12634	Wreck	31.84 m	40° 59' 50.9" N	073° 26' 07.2" W	---
1.27	AWOIS 7746	Wreck	29.77 m	40° 59' 51.0" N	073° 26' 29.4" W	---
1.28	AWOIS 12630	GP	[None]	40° 59' 51.0" N	073° 26' 29.4" W	7746
1.29	AWOIS 7757	GP	[None]	40° 59' 51.2" N	073° 26' 06.7" W	---
1.30	AWOIS 7758	GP	[None]	40° 59' 51.3" N	073° 25' 44.3" W	---
1.31	AWOIS 7749	GP	[None]	40° 59' 51.4" N	073° 25' 40.9" W	---
1.32	AWOIS 11828	Wreck	43.31 m	40° 59' 51.6" N	073° 24' 25.2" W	11828
1.33	AWOIS 12632	Wreck	30.77 m	40° 59' 51.8" N	073° 26' 14.5" W	12632
1.34	AWOIS 12646	Wreck	29.67 m	40° 59' 51.9" N	073° 25' 48.6" W	12646
1.35	AWOIS 12691	GP	[None]	40° 59' 52.2" N	073° 25' 16.5" W	---
1.36	AWOIS 7756	GP	[None]	40° 59' 52.3" N	073° 26' 09.7" W	---
1.37	AWOIS 11830	Obstruction	33.36 m	40° 59' 52.3" N	073° 24' 51.1" W	11830
1.38	AWOIS 12731	Wreck	32.72 m	40° 59' 52.5" N	073° 26' 09.0" W	---
1.39	AWOIS 7760	GP	[None]	40° 59' 52.6" N	073° 26' 07.6" W	---
1.40	AWOIS 12677	GP	[None]	40° 59' 53.2" N	073° 25' 32.3" W	---
1.41	AWOIS 12650	GP	[None]	40° 59' 53.8" N	073° 25' 44.0" W	---
1.42	AWOIS 12633	Wreck	31.31 m	40° 59' 54.0" N	073° 26' 08.1" W	12633

1.43	AWOIS 11374	Wreck	28.36 m	40° 59' 54.0" N	073° 25' 43.9" W	---
1.44	AWOIS 12686	Wreck	36.33 m	40° 59' 55.0" N	073° 25' 00.8" W	12686
1.45	AWOIS 12625	GP	[None]	40° 59' 55.2" N	073° 26' 40.9" W	---
1.46	AWOIS 12687	Wreck	36.90 m	40° 59' 55.4" N	073° 24' 55.9" W	12687
1.47	AWOIS 12710	Wreck	45.02 m	40° 59' 56.2" N	073° 24' 30.8" W	12710
1.48	AWOIS 12649	Wreck	31.65 m	40° 59' 58.0" N	073° 25' 10.9" W	---
1.49	AWOIS 11534	GP	[None]	40° 59' 58.1" N	073° 25' 11.1" W	12649
1.50	AWOIS 12674	GP	[None]	40° 59' 58.1" N	073° 25' 55.8" W	---
1.51	AWOIS 14091	Wreck	31.90 m	40° 59' 58.2" N	073° 25' 24.8" W	14091
1.52	AWOIS 7750	GP	[None]	40° 59' 58.4" N	073° 25' 38.9" W	---
1.53	AWOIS 12638	Wreck	30.13 m	40° 59' 58.7" N	073° 25' 39.4" W	12638
1.54	AWOIS 12688	Wreck	35.42 m	40° 59' 58.7" N	073° 24' 50.1" W	12688
1.55	AWOIS 12689	Wreck	41.06 m	40° 59' 59.2" N	073° 24' 30.8" W	12689
1.56	AWOIS 12676	Wreck	29.30 m	40° 59' 59.4" N	073° 26' 06.0" W	12676
1.57	AWOIS 12635	Wreck	29.50 m	41° 00' 00.2" N	073° 25' 48.2" W	12635
1.58	AWOIS 14086	Wreck	29.30 m	41° 00' 00.5" N	073° 25' 16.5" W	14086
1.59	AWOIS 12668	Wreck	40.17 m	41° 00' 01.3" N	073° 24' 33.9" W	12668
1.60	AWOIS 12675	Wreck	27.00 m	41° 00' 01.6" N	073° 25' 56.1" W	12675
1.61	AWOIS 11377	Wreck	20.06 m	41° 00' 02.2" N	073° 25' 20.5" W	---
1.62	AWOIS 12637	GP	[None]	41° 00' 02.2" N	073° 25' 20.6" W	11377
1.63	AWOIS 7753	GP	[None]	41° 00' 02.2" N	073° 25' 55.4" W	---
1.64	AWOIS 12729	Obstruction	21.47 m	41° 00' 02.4" N	073° 25' 53.8" W	12729
1.65	AWOIS 7752	GP	[None]	41° 00' 03.0" N	073° 25' 53.3" W	---
1.66	AWOIS 12669	Wreck	40.74 m	41° 00' 03.2" N	073° 24' 32.4" W	12669
1.67	AWOIS 12683	Wreck	31.89 m	41° 00' 03.5" N	073° 24' 54.9" W	12683
1.68	AWOIS 7744	GP	[None]	41° 00' 04.2" N	073° 26' 08.3" W	---
1.69	AWOIS 12624	Wreck	26.10 m	41° 00' 04.3" N	073° 26' 08.3" W	12624
1.70	AWOIS 12681	Wreck	47.25 m	41° 00' 04.4" N	073° 24' 23.5" W	12681
1.71	AWOIS 11380	Wreck	26.23 m	41° 00' 05.2" N	073° 24' 39.8" W	---
1.72	AWOIS 12723	GP	[None]	41° 00' 05.5" N	073° 24' 40.1" W	---
1.73	AWOIS 12620	Wreck	23.41 m	41° 00' 06.2" N	073° 26' 22.2" W	12620
1.74	AWOIS 7751	GP	[None]	41° 00' 09.6" N	073° 25' 51.3" W	---
1.75	AWOIS 7762	Wreck	21.38 m	41° 00' 10.6" N	073° 25' 04.9" W	---
1.76	AWOIS 12636	GP	[None]	41° 00' 10.7" N	073° 25' 04.6" W	7762
1.77	AWOIS 4454	Wreck	24.51 m	41° 00' 12.6" N	073° 26' 29.6" W	4454
1.78	AWOIS 14081	GP	[None]	41° 00' 14.6" N	073° 24' 22.6" W	---

1.79	AWOIS 11378	Obstruction	14.92 m	41° 00' 15.0" N	073° 25' 04.0" W	---
1.80	AWOIS 12621	GP	[None]	41° 00' 17.8" N	073° 25' 38.4" W	---
1.81	AWOIS 7755	GP	[None]	41° 00' 18.0" N	073° 25' 57.9" W	12728
1.82	AWOIS 7678	Rock	16.67 m	41° 00' 23.3" N	073° 24' 42.5" W	7678
1.83	AWOIS 11379	Rock	10.37 m	41° 00' 23.6" N	073° 25' 02.6" W	11379
1.84	AWOIS 7677	GP	[None]	41° 00' 24.8" N	073° 25' 26.2" W	---
1.85	AWOIS 7668	Rock	14.74 m	41° 00' 31.1" N	073° 24' 48.3" W	7668
1.86	AWOIS 6802	Rock	8.16 m	41° 00' 52.1" N	073° 25' 18.6" W	6802
1.87	AWOIS 7405	Wreck	18.23 m	41° 01' 04.9" N	073° 24' 52.2" W	7405
1.88	AWOIS 6652	GP	[None]	41° 01' 30.3" N	073° 27' 14.4" W	---
1.89	AWOIS 6803	GP	[None]	41° 01' 31.5" N	073° 26' 44.8" W	---
1.90	AWOIS 6653	Obstruction	14.56 m	41° 01' 32.8" N	073° 26' 55.2" W	6653
1.91	AWOIS 11827	Rock	21.29 m	40° 58' 55.7" N	073° 26' 23.3" W	11827
1.92	AWOIS 11359	Wreck	30.44 m	40° 59' 09.1" N	073° 27' 15.2" W	---
1.93	AWOIS 12662	GP	[None]	40° 59' 09.2" N	073° 27' 15.3" W	11359
1.94	AWOIS 11826	Wreck	20.57 m	40° 59' 10.2" N	073° 25' 49.7" W	11826
1.95	AWOIS 11837	Wreck	28.91 m	40° 59' 15.3" N	073° 26' 02.0" W	---
1.96	AWOIS 12701	GP	[None]	40° 59' 17.1" N	073° 25' 59.9" W	---
1.97	AWOIS 12672	GP	[None]	40° 59' 18.5" N	073° 26' 36.0" W	---
1.98	AWOIS 11363	Wreck	28.95 m	40° 59' 18.6" N	073° 26' 36.0" W	11363
1.99	AWOIS 12690	GP	[None]	40° 59' 19.1" N	073° 25' 46.7" W	---
1.100	AWOIS 14087	Obstruction	32.73 m	40° 59' 21.1" N	073° 27' 02.8" W	14087
1.101	AWOIS 12642	Wreck	29.43 m	40° 59' 21.7" N	073° 27' 19.0" W	12642
1.102	AWOIS 12695	Wreck	33.03 m	40° 59' 22.4" N	073° 25' 09.2" W	---
1.103	AWOIS 11835	GP	[None]	40° 59' 22.5" N	073° 25' 09.6" W	---
1.104	AWOIS 12696	GP	[None]	40° 59' 22.8" N	073° 25' 13.0" W	---
1.105	AWOIS 12663	Wreck	31.67 m	40° 59' 23.2" N	073° 27' 02.5" W	12663
1.106	AWOIS 12709	Wreck	37.13 m	40° 59' 23.2" N	073° 26' 13.1" W	12709
1.107	AWOIS 11364	Wreck	30.33 m	40° 59' 24.0" N	073° 26' 24.4" W	---
1.108	AWOIS 12666	GP	[None]	40° 59' 24.3" N	073° 26' 24.5" W	11364
1.109	AWOIS 12684	Wreck	25.45 m	40° 59' 24.7" N	073° 26' 36.8" W	12684
1.110	AWOIS 11836	Wreck	37.53 m	40° 59' 25.1" N	073° 25' 58.7" W	11836
1.111	AWOIS 12641	Wreck	27.77 m	40° 59' 25.2" N	073° 27' 28.4" W	12641
1.112	AWOIS 11361	Wreck	29.26 m	40° 59' 26.0" N	073° 27' 09.9" W	11361
1.113	AWOIS 12718	GP	[None]	40° 59' 26.7" N	073° 26' 33.6" W	---
1.114	AWOIS 11365	Wreck	26.68 m	40° 59' 26.9" N	073° 26' 33.6" W	11365

1.115	AWOIS 12671	Wreck	32.56 m	40° 59' 26.9" N	073° 26' 24.5" W	12671
1.116	AWOIS 12722	Wreck	25.53 m	40° 59' 27.0" N	073° 26' 42.4" W	12722
1.117	AWOIS 11362	Wreck	26.70 m	40° 59' 28.3" N	073° 27' 17.8" W	11362
1.118	AWOIS 11367	Wreck	33.24 m	40° 59' 28.4" N	073° 26' 14.9" W	---
1.119	AWOIS 12667	GP	[None]	40° 59' 28.4" N	073° 26' 14.9" W	11367
1.120	AWOIS 11366	Wreck	25.00 m	40° 59' 29.3" N	073° 26' 41.5" W	11366
1.121	AWOIS 12724	GP	[None]	40° 59' 29.3" N	073° 26' 22.7" W	---
1.122	AWOIS 12698	Wreck	38.93 m	40° 59' 29.4" N	073° 25' 05.2" W	---
1.123	AWOIS 11833	GP	[None]	40° 59' 29.6" N	073° 25' 05.1" W	---
1.124	AWOIS 12702	Wreck	44.15 m	40° 59' 30.0" N	073° 25' 11.3" W	12702
1.125	AWOIS 12700	GP	[None]	40° 59' 32.6" N	073° 24' 58.3" W	---
1.126	AWOIS 12680	Wreck	33.34 m	40° 59' 34.6" N	073° 26' 30.5" W	12680
1.127	AWOIS 12705	Wreck	47.82 m	40° 59' 34.8" N	073° 25' 13.0" W	12705
1.128	AWOIS 12661	Wreck	41.09 m	40° 59' 34.8" N	073° 25' 53.8" W	12661
1.129	AWOIS 11368	Wreck	35.21 m	40° 59' 37.3" N	073° 26' 04.2" W	---
1.130	AWOIS 12716	GP	[None]	40° 59' 37.4" N	073° 26' 04.1" W	11368
1.131	AWOIS 12699	Wreck	41.40 m	40° 59' 37.7" N	073° 24' 49.0" W	12699
1.132	AWOIS 12704	Wreck	43.09 m	40° 59' 39.2" N	073° 24' 57.8" W	12704
1.133	AWOIS 11373	Wreck	39.17 m	40° 59' 39.2" N	073° 25' 46.4" W	11373
1.134	AWOIS 11834	Wreck	32.85 m	40° 59' 39.3" N	073° 25' 09.2" W	11834
1.135	AWOIS 12682	GP	[None]	40° 59' 39.5" N	073° 25' 46.0" W	---
1.136	AWOIS 12717	GP	[None]	40° 59' 39.7" N	073° 25' 57.3" W	---
1.137	AWOIS 7754	Wreck	37.68 m	40° 59' 39.7" N	073° 25' 57.7" W	7754
1.138	AWOIS 11832	Wreck	40.93 m	40° 59' 40.2" N	073° 24' 49.9" W	11832
1.139	AWOIS 11829	Wreck	32.89 m	40° 59' 40.8" N	073° 24' 28.8" W	11829
1.140	AWOIS 14044	Wreck	31.68 m	40° 59' 41.4" N	073° 26' 57.7" W	14044
1.141	AWOIS 12694	Wreck	37.87 m	40° 59' 42.2" N	073° 24' 30.3" W	12694
1.142	AWOIS 12726	GP	[None]	40° 59' 42.6" N	073° 26' 13.3" W	---
1.143	AWOIS 7747	Wreck	31.93 m	40° 59' 42.6" N	073° 26' 12.8" W	7747
1.144	AWOIS 7759	Wreck	36.66 m	40° 59' 42.9" N	073° 25' 51.9" W	---
1.145	AWOIS 12685	GP	[None]	40° 59' 43.2" N	073° 25' 52.1" W	7759
1.146	AWOIS 12715	Wreck	36.14 m	40° 59' 43.9" N	073° 25' 35.7" W	12715
1.147	AWOIS 12639	GP	[None]	40° 59' 44.4" N	073° 26' 30.5" W	---
1.148	AWOIS 11369	Wreck	26.80 m	40° 59' 44.5" N	073° 26' 30.5" W	11369
1.149	AWOIS 12727	Wreck	32.48 m	40° 59' 44.8" N	073° 26' 16.7" W	12727
1.150	AWOIS 12647	Wreck	26.26 m	40° 59' 45.9" N	073° 26' 26.6" W	12647

1.151	AWOIS 12708	GP	[None]	40° 59' 46.2" N	073° 24' 47.7" W	---
1.152	AWOIS 11839	Wreck	25.13 m	40° 59' 47.1" N	073° 27' 14.3" W	11839
1.153	AWOIS 11838	Wreck	32.29 m	40° 59' 47.3" N	073° 25' 15.4" W	11838
1.154	AWOIS 11372 and AWOIS12645	GP	[None]	40° 59' 47.8" N	073° 26' 01.2" W	11372
1.155	AWOIS 12714	Wreck	39.01 m	40° 59' 47.9" N	073° 25' 03.7" W	---
1.156	AWOIS 12719	GP	[None]	40° 59' 48.5" N	073° 25' 23.2" W	---
1.157	AWOIS 12627	GP	[None]	40° 59' 48.5" N	073° 26' 59.6" W	---
1.158	AWOIS 11371	Wreck	26.60 m	40° 59' 48.6" N	073° 26' 59.6" W	11371
1.159	AWOIS 11370	Wreck	29.01 m	40° 59' 49.7" N	073° 26' 41.3" W	---
1.160	AWOIS 12678	Wreck	31.07 m	40° 59' 49.9" N	073° 25' 36.2" W	12678
1.209	AWOIS 12728	Wreck	21.60 m	41° 00' 17.9" N	073° 25' 58.3" W	---
1.210	AWOIS 11831	Rock	33,58 m	40° 59' 52.1" N	073° 25' 01.3" W	11831
1.211	AWOIS 14092	Wreck	30.48 m	41° 00' 18.1" N	073° 22' 44.2" W	14092
1.212	AWOIS 12730	Obstruction	14.94 m	41° 00' 15.0" N	073° 25' 04.1" W	22730

1.1) AWOIS 12711

Primary Feature for AWOIS Item #12711

Search Position: 40° 59' 59.8" N, 073° 24' 16.6" W
Historical Depth: 49.68 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-59.79N, LONG. 73-24-16.58W. MB LD OF 163 FEET (49.72 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 40° 59' 59.8" N, 073° 24' 16.7" W
Least Depth: 47.20 m (= 154.87 ft = 25.812 fm = 25 fm 4.87 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072570 00001(022600011B7A0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12711 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072570 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12711	2.80	250.3	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

155ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

26fm (12300_1, 13006_1, 13003_1)

47m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 47.205 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12711 is uncharted and within charted caution area. It is recommended AWOIS 12711, a 154.87 ft wreck, is charted in the present survey position.

Feature Images

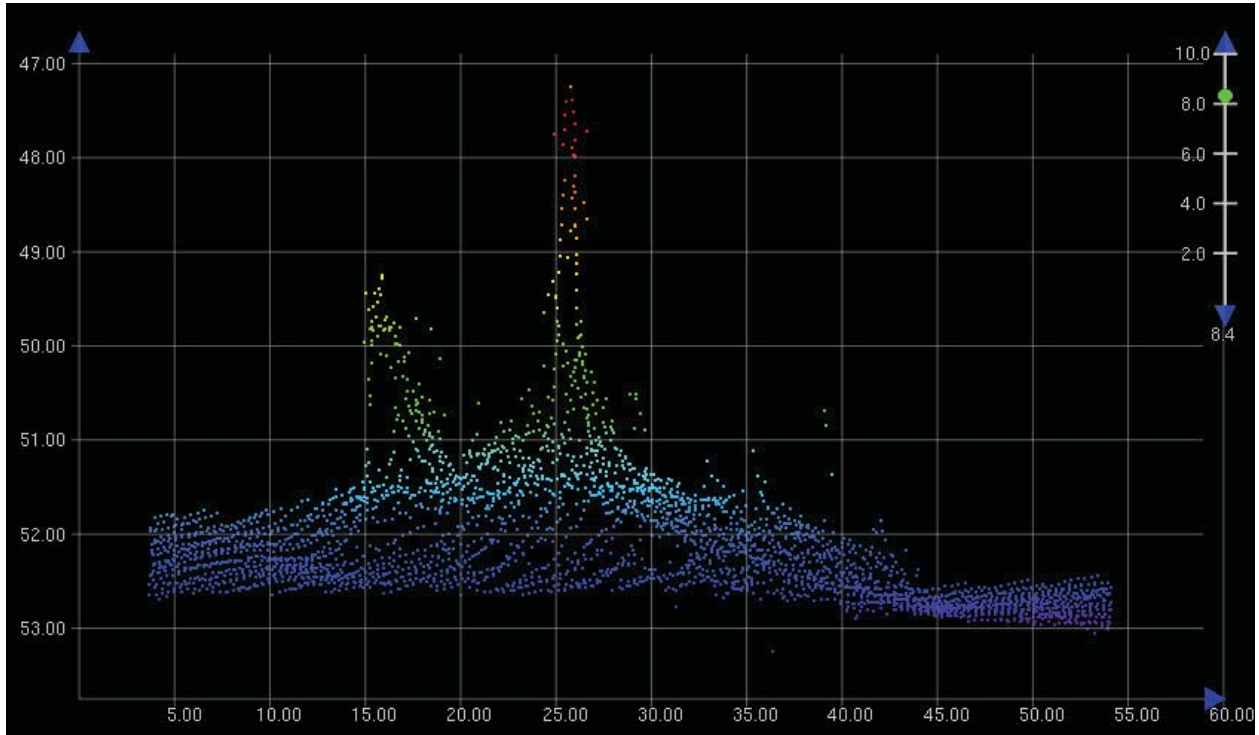


Figure 1.1.1

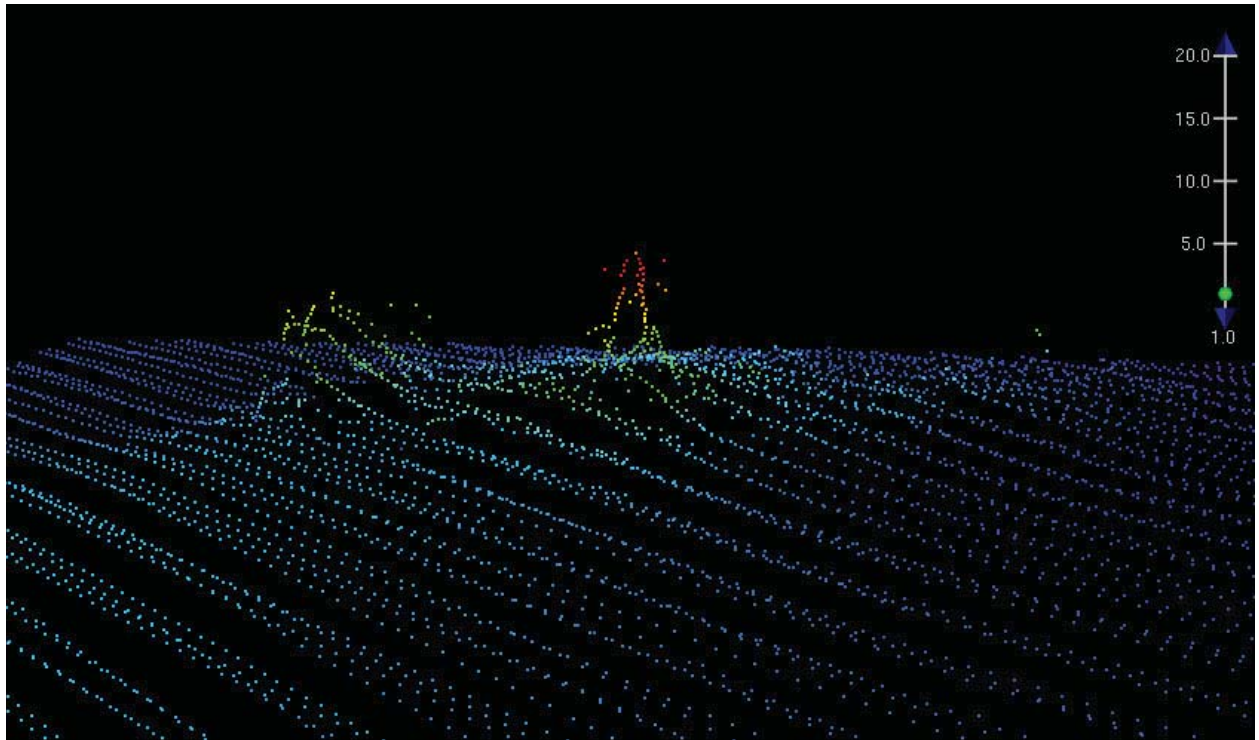


Figure 1.1.2

1.2) AWOIS 12713

Primary Feature for AWOIS Item #12713

Search Position: 41° 00' 04.8" N, 073° 24' 08.0" W
Historical Depth: 51.82 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B398-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-04.76N, LONG. 73-24-08.03W. MB LD OF 170 FEET (51.83 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 41° 00' 03.3" N, 073° 24' 09.1" W
Least Depth: 52.69 m (= 172.86 ft = 28.810 fm = 28 fm 4.86 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072550 00001(022600011B660001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12713 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072550 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12713	51.52	208.8	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

173ft (12368_1, 12364_20, 12364_8, 12363_1)

29fm (12300_1, 13006_1, 13003_1)

53m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 52.688 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12713 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

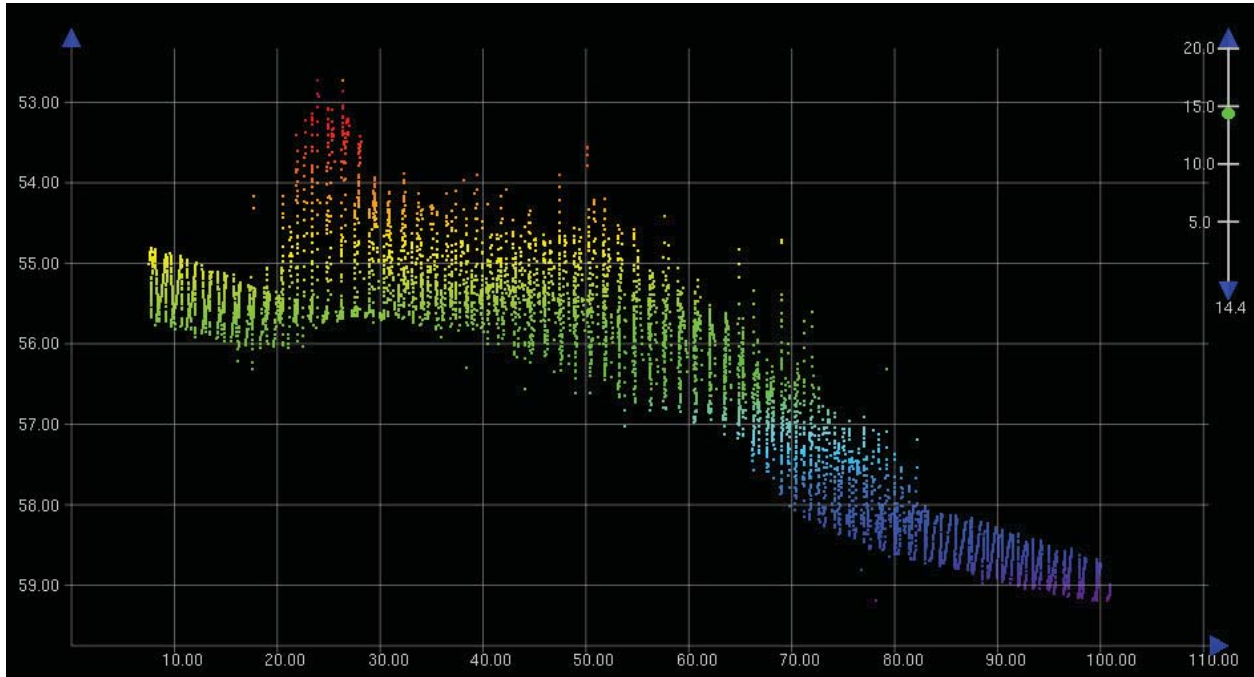


Figure 1.2.1

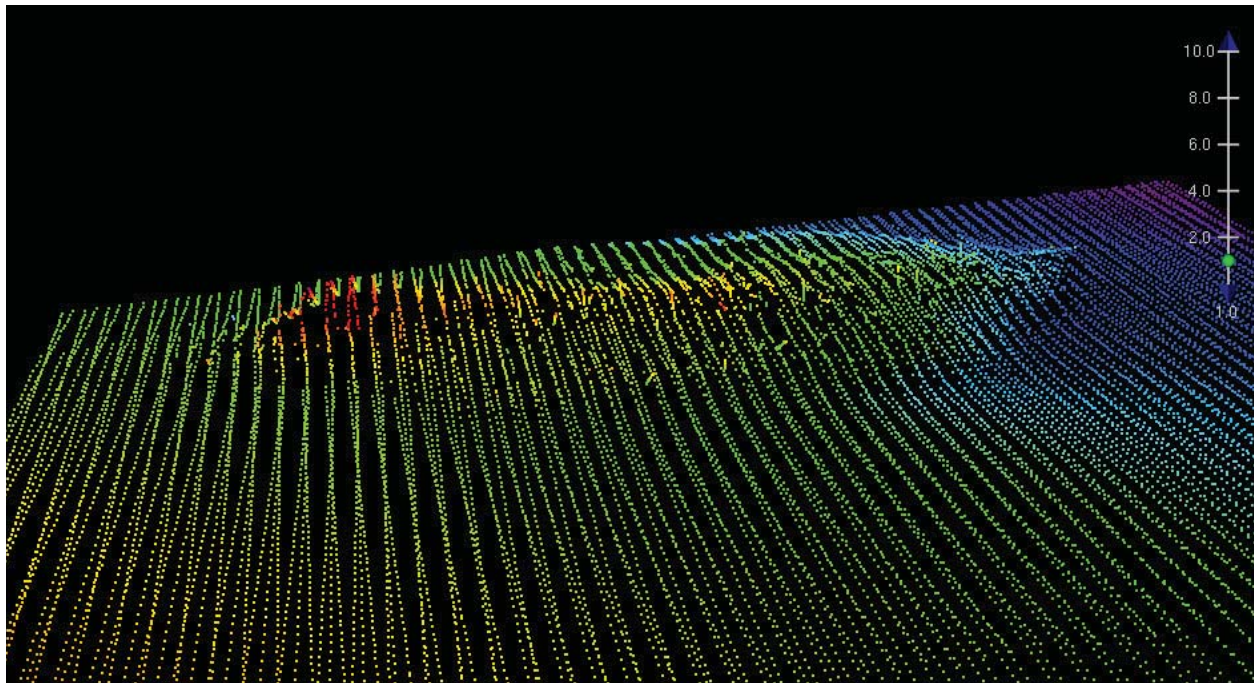


Figure 1.2.2

1.3) AWOIS 12712

Primary Feature for AWOIS Item #12712

Search Position: 41° 00' 04.7" N, 073° 24' 01.5" W
Historical Depth: 50.79 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-04.71N, LONG. 73-24-01.48W. MB LD OF 166.63 FEET (50.79 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 41° 00' 04.7" N, 073° 24' 01.5" W
Least Depth: 49.83 m (= 163.47 ft = 27.245 fm = 27 fm 1.47 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073195 00001(022600011DEB0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12712 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

WRECKS/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073195 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12712	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

163ft (12368_1, 12364_20, 12364_8, 12363_1)

27fm (12300_1, 13006_1, 13003_1)

50m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 49.825 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12712 is uncharted and within charted caution area. It is recommended AWOIS 12712 is charted as 163.47ft non-dangerous wrecks in the present survey position to represent a group of uncharted wrecks.

Feature Images

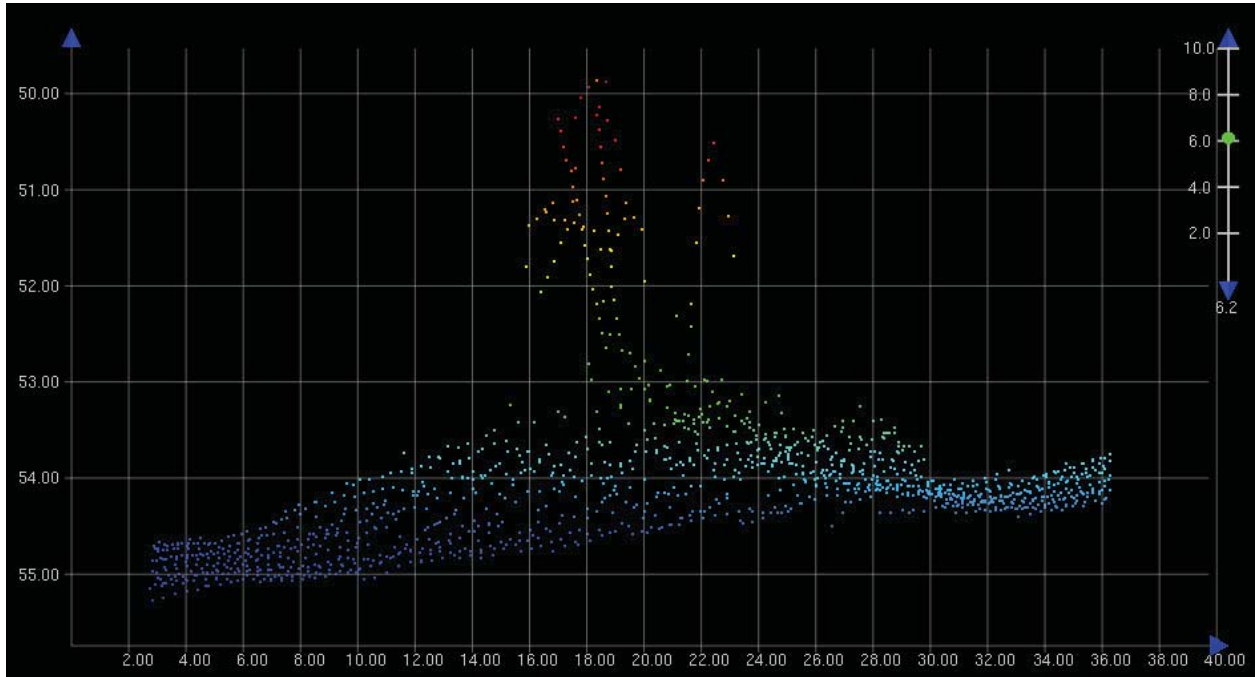


Figure 1.3.1

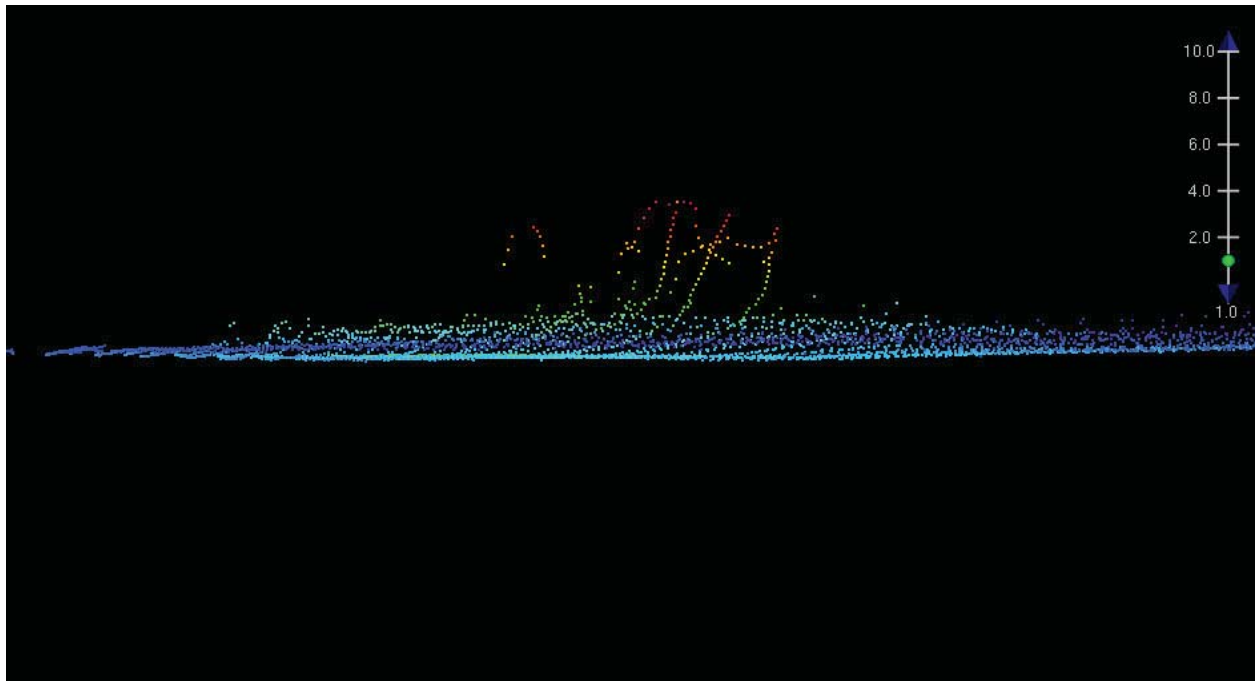


Figure 1.3.2

1.4) AWOIS 12720

Primary Feature for AWOIS Item #12720

Search Position: 41° 00' 11.2" N, 073° 24' 10.5" W
Historical Depth: 52.73 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-11.19N, LONG. 73-24-10.49W. MB LD OF 173 FEET (52.81 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 41° 00' 11.2" N, 073° 24' 10.6" W
Least Depth: 52.45 m (= 172.09 ft = 28.682 fm = 28 fm 4.09 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073099 00001(022600011D8B0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12720 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073099 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12720	2.52	268.2	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

172ft (12368_1, 12364_20, 12364_8, 12363_1)

28fm (12300_1, 13006_1, 13003_1)

52m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No charting action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 52.453 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not cartographically significant. Defer to cartographer for final chart exposition. Data interpreted as a tug boat.

COMPILE: AWOIS 12720 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

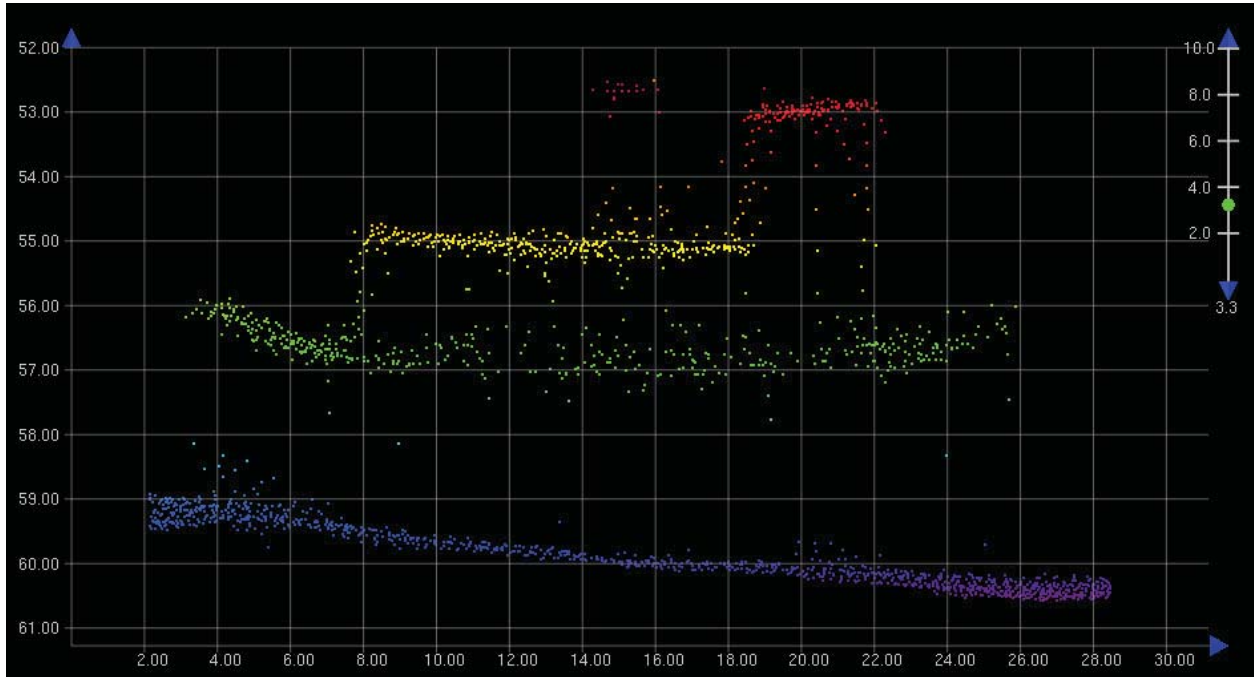


Figure 1.4.1

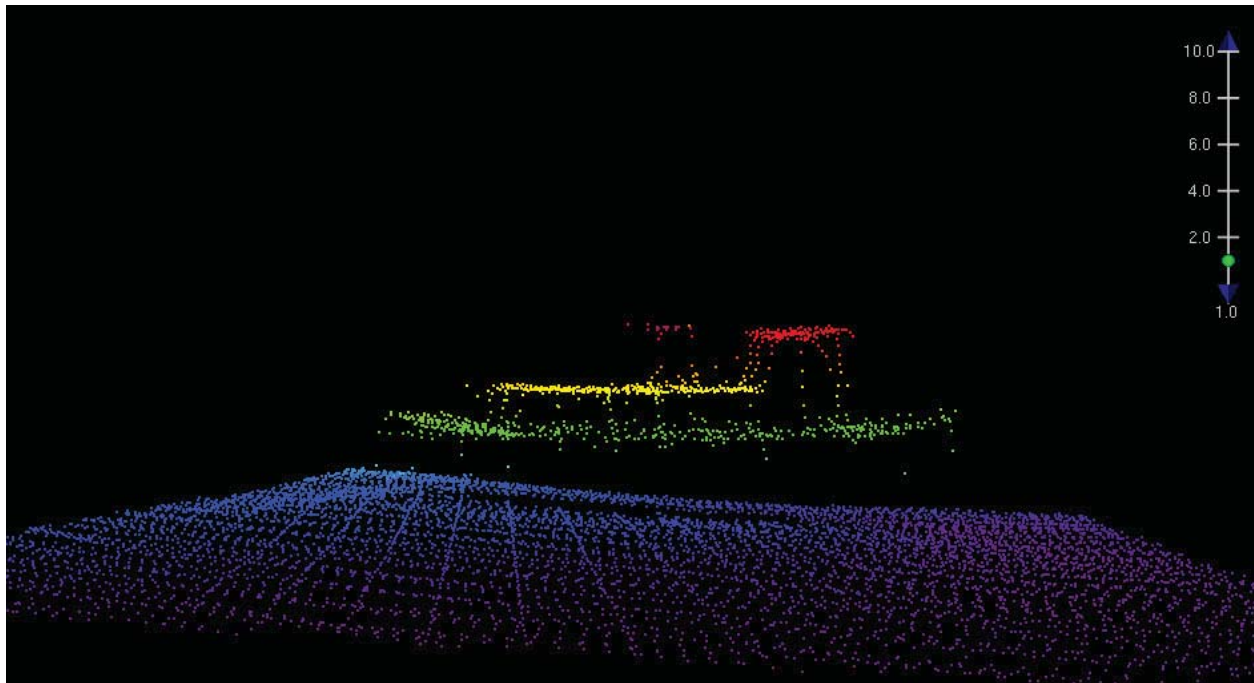


Figure 1.4.2

1.5) AWOIS 14052

Primary Feature for AWOIS Item #14052

Search Position: 41° 00' 13.1" N, 073° 24' 10.0" W
Historical Depth: 45.72 m
Search Radius: 0
Search Technique: SSS, MB
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--Prabably a barge lying on its side - note nearby tugboat; Chart 150ft Wks in Lat. 41°00'13.075", Long. 73°24'09.996" (RES 8/16/07).

Survey Summary

Survey Position: 41° 00' 13.8" N, 073° 24' 09.5" W
Least Depth: 45.69 m (= 149.91 ft = 24.985 fm = 24 fm 5.91 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073093 00001(022600011D850001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 14052 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073093 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14052	25.96	028.2	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

150ft (12368_1, 12364_20, 12364_8, 12363_1)

25fm (12300_1, 13006_1, 13003_1)

46m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 45.692 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 14052 is a charted wreck within a charted caution area. Delete charted 150ft wrecks and chart AWOIS 14052, a 149.91t wrecks, at survey position. Charted "Wks" notation refers to AWOIS items 14052, 14053, and 12720. Retain notation 'Wks'.

Feature Images

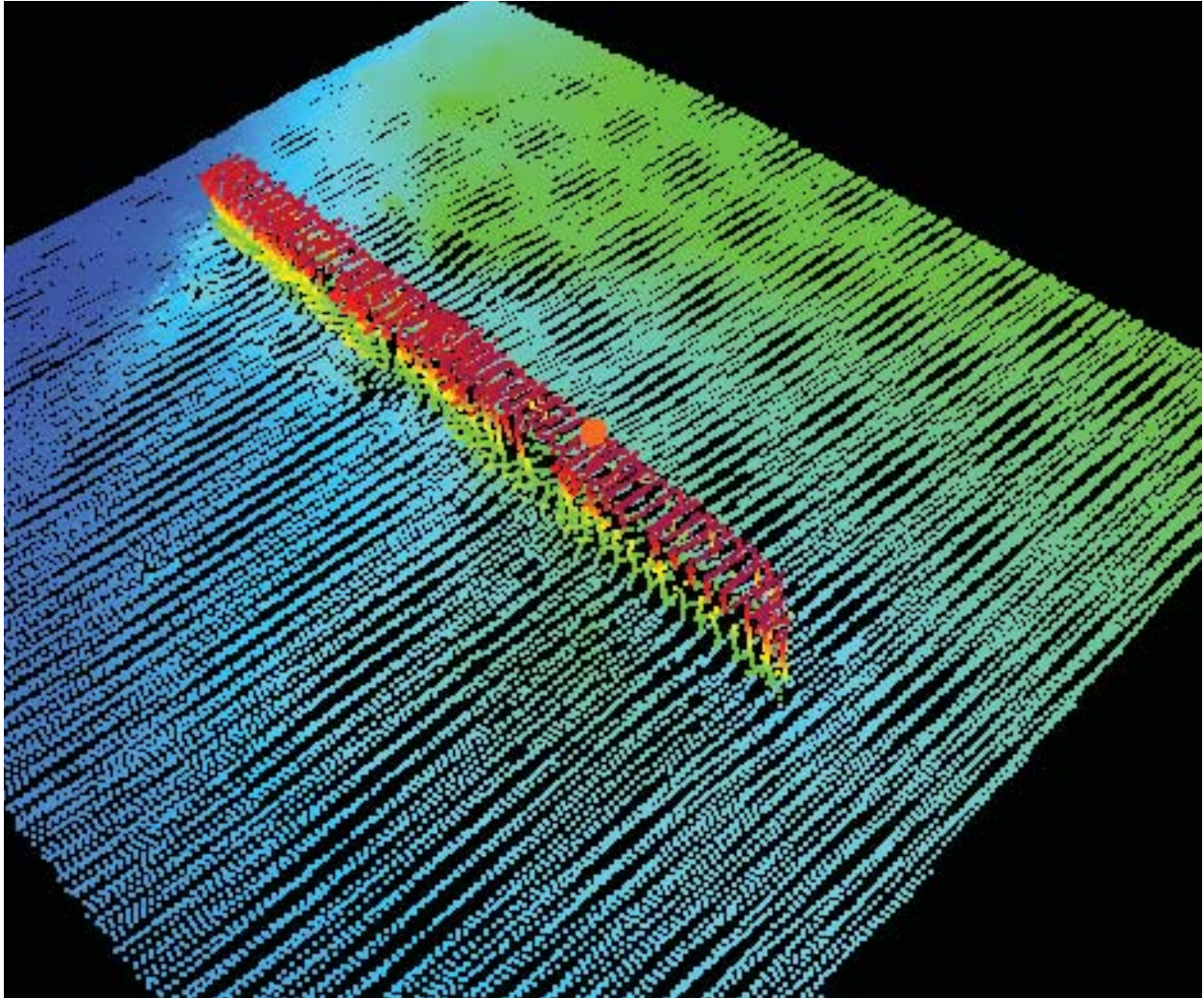


Figure 1.5.1

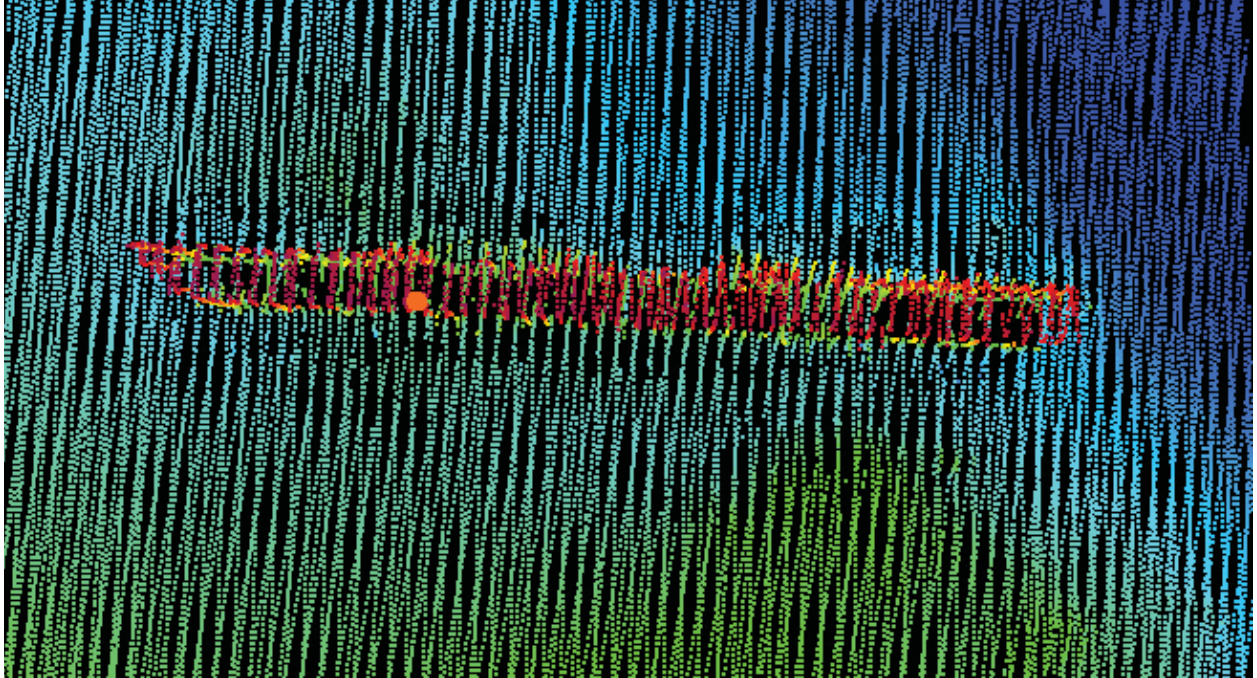


Figure 1.5.2

1.6) AWOIS 14053

Primary Feature for AWOIS Item #14053

Search Position: 41° 00' 14.0" N, 073° 24' 14.0" W
Historical Depth: 49.07 m
Search Radius: 0
Search Technique: SWMB, SSS
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--A deteriorated wreck; No change in charting recommended (RES 8/16/07).

Survey Summary

Survey Position: 41° 00' 14.0" N, 073° 24' 13.6" W
Least Depth: 49.27 m (= 161.63 ft = 26.938 fm = 26 fm 5.63 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073190 00001(022600011DE60001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 14053 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073190 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14053	8.96	079.8	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

161ft (12368_1, 12364_20, 12364_8, 12363_1)

27fm (12300_1, 13006_1, 13003_1)

49m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No charting action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 49.265 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 14053 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

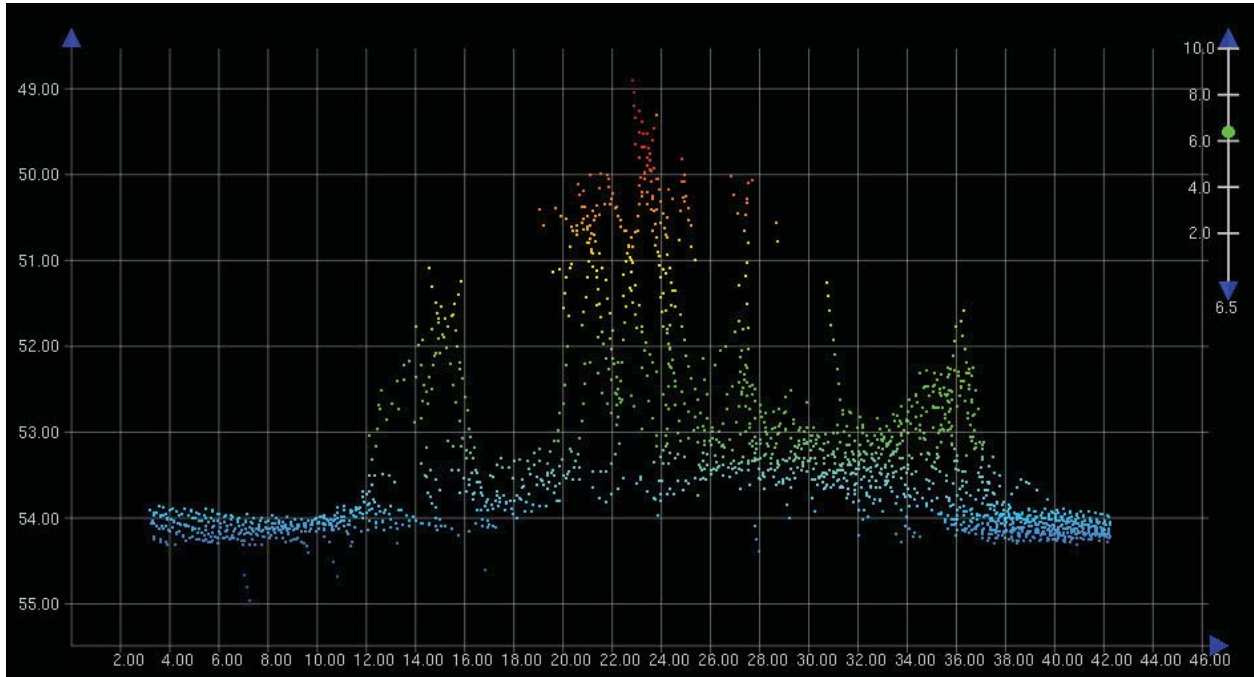


Figure 1.6.1

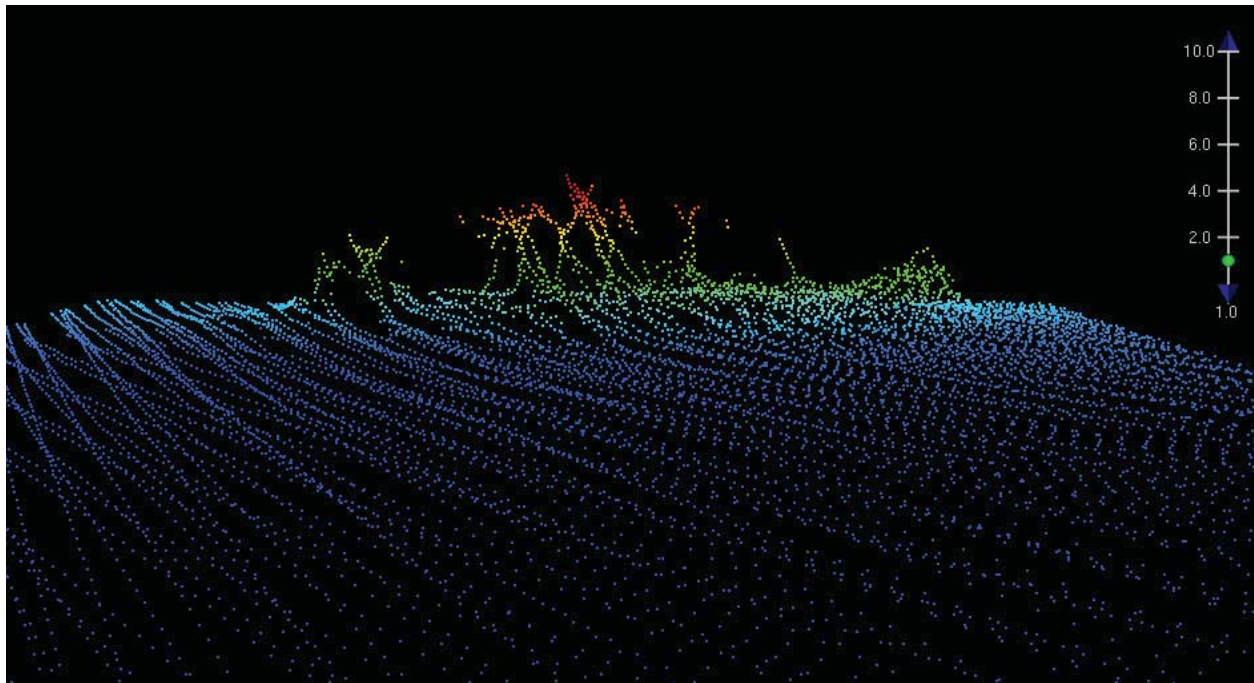


Figure 1.6.2

1.7) AWOIS 14084

Primary Feature for AWOIS Item #14084

Search Position: 41° 00' 16.5" N, 073° 23' 35.2" W
Historical Depth: 48.77 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--Wreck located; not charted, numerous wrecks located in area (RES 9/20/07).

Survey Summary

Survey Position: 41° 00' 16.4" N, 073° 23' 35.2" W
Least Depth: 47.16 m (= 154.74 ft = 25.790 fm = 25 fm 4.74 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073191 00001(022600011DE70001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 14084 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073191 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14084	3.90	165.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB. Leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

154ft (12368_1, 12364_20, 12364_8, 12363_1)

26fm (12300_1, 13006_1, 13003_1)

47m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No charting action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 47.164 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 14084 is uncharted and within charted caution area. It is recommended AWOIS 14084, a 154.74 ft non-dangeous wreck, is not charted.

Feature Images

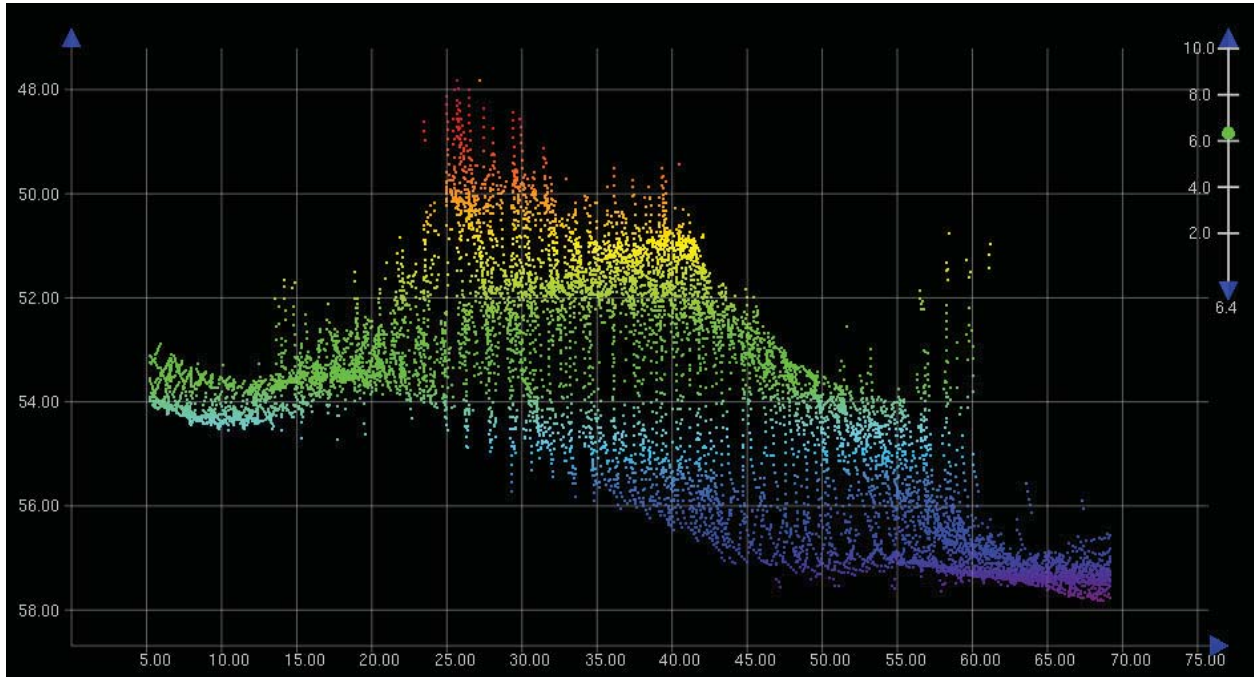


Figure 1.7.1

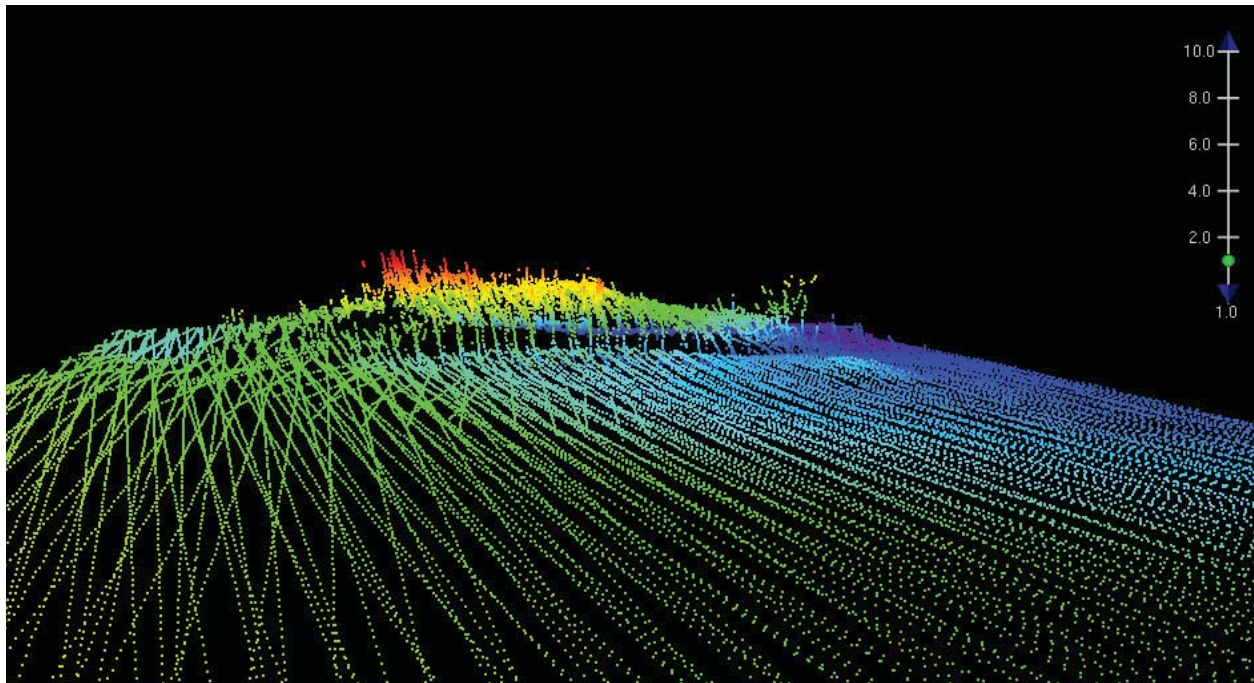


Figure 1.7.2

1.8) AWOIS 14047

Primary Feature for AWOIS Item #14047

Search Position: 41° 00' 18.4" N, 073° 23' 16.1" W
Historical Depth: 37.19 m
Search Radius: 0
Search Technique: SWMB, SSS
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--SWMB development for SSS contact Deteriorated shipwreck with adjacent deteriorated wreck;Chart 122ft Wks in Lat. 41°00'18.37", Long. 73°23'16.06" (RES 8/16/07).

Survey Summary

Survey Position: 41° 00' 18.0" N, 073° 23' 16.1" W
Least Depth: 38.04 m (= 124.79 ft = 20.799 fm = 20 fm 4.79 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073061 00001(022600011D650001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Mound assumed to be silted over remains of AWOIS 14047 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073061 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14047	10.50	189.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

125ft (12368_1, 12364_20, 12364_8, 12363_1)

21fm (12300_1, 13006_1, 13003_1)

38m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 38.037 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: Delete charted 122ft wreck. Chart AWOIS 14047, a 124.79ft wrecks at survey position.

Feature Images

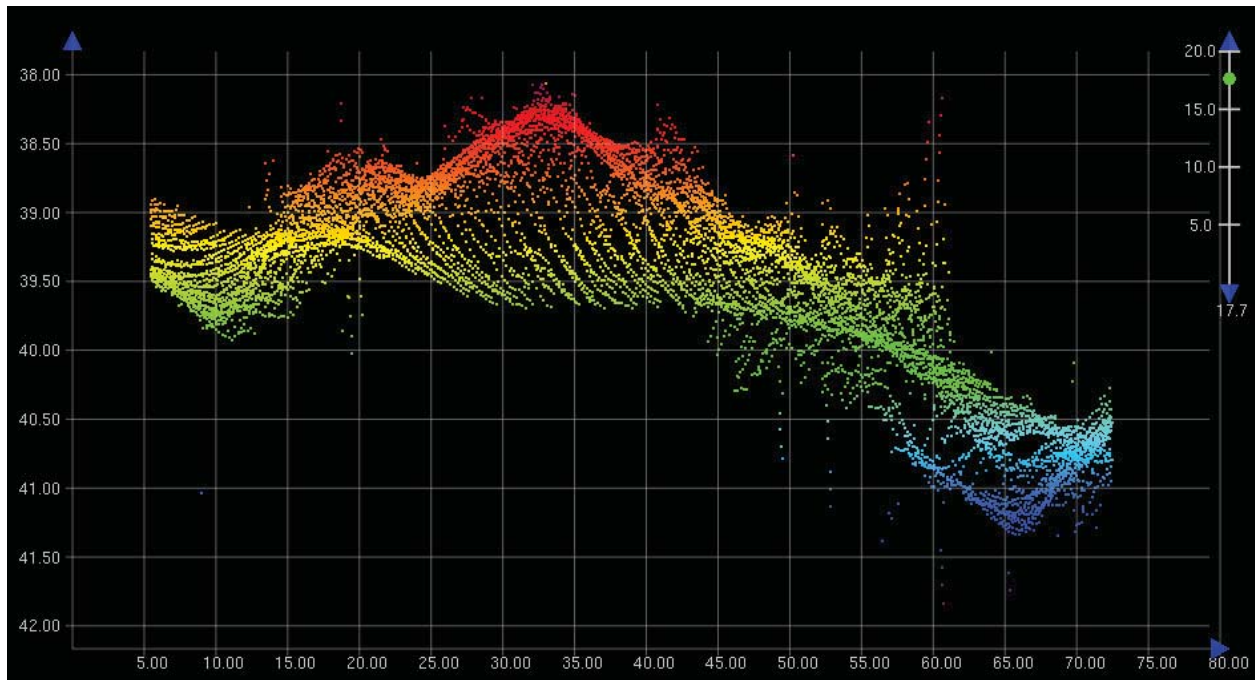


Figure 1.8.1

1.9) AWOIS 14046

Primary Feature for AWOIS Item #14046

Search Position: 41° 00' 19.7" N, 073° 23' 07.5" W
Historical Depth: 34.75 m
Search Radius: 0
Search Technique: SSS, MB
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--wreck was seen on side scan sonar trace; Chart 114ft Wk in Lat. 41°00'19.67", Long. 73°23'07.58" (RES 8/16/07).

Survey Summary

Survey Position: 41° 00' 19.5" N, 073° 23' 07.7" W
Least Depth: 36.37 m (= 119.31 ft = 19.886 fm = 19 fm 5.31 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073062 00001(022600011D660001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Silted over mound assumed to be AWOIS item 14046 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073062 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14046	8.11	225.7	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

119ft (12368_1, 12364_20, 12364_8, 12363_1)

20fm (12300_1, 13006_1, 13003_1)

36m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 36.367 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: Delete charted 114ft wreck. Chart AWOIS 14046, a 119.3ft wreck, at survey position.

Feature Images

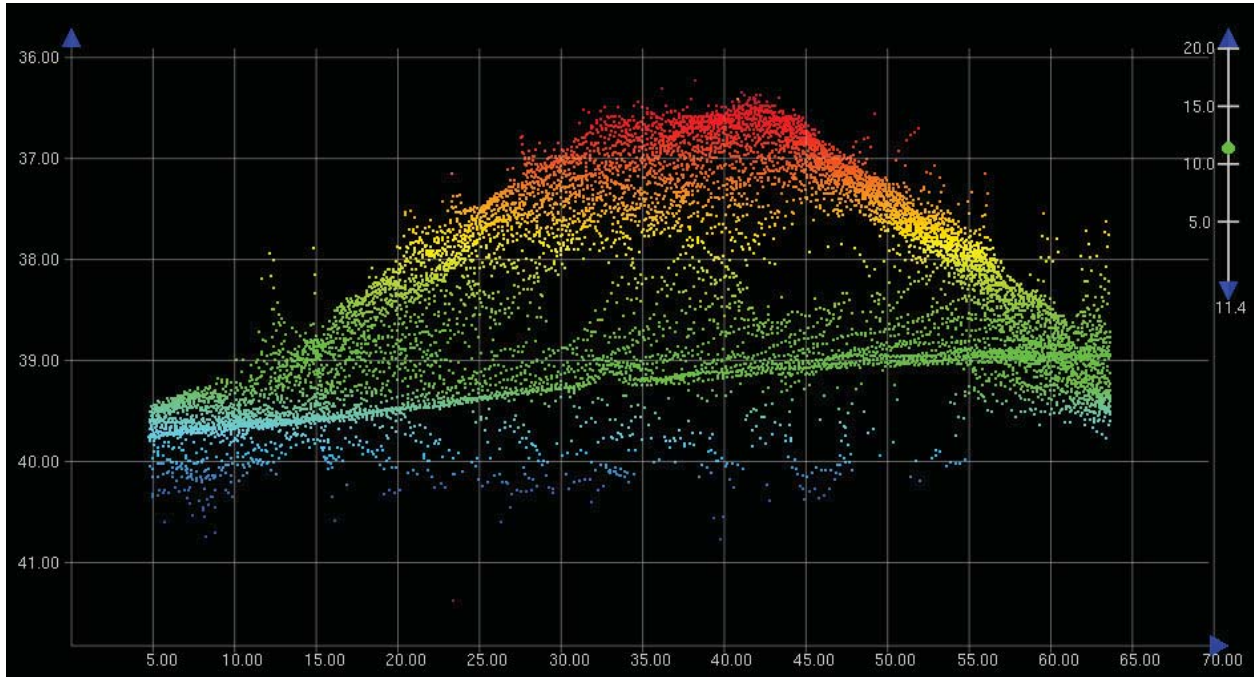


Figure 1.9.1

1.10) AWOIS 14074

Primary Feature for AWOIS Item #14074

Search Position: 41° 00' 21.2" N, 073° 23' 50.8" W
Historical Depth: 51.82 m
Search Radius: 0
Search Technique: SSS,MB
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--Barge - non significant;Wreck covered under chart note "Numerous Wrecks, non dangerous to surface navigation, exist in the area and are not charted. November 1995" (RES 9/14/07).

Survey Summary

Survey Position: 41° 00' 21.4" N, 073° 23' 50.4" W
Least Depth: 52.24 m (= 171.40 ft = 28.567 fm = 28 fm 3.40 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073066 00001(022600011D6A0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 14074 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073066 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14074	12.91	050.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

171ft (12368_1, 12364_20, 12364_8, 12363_1)

28fm (12300_1, 13006_1, 13003_1)

52m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 52.243 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 14074 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

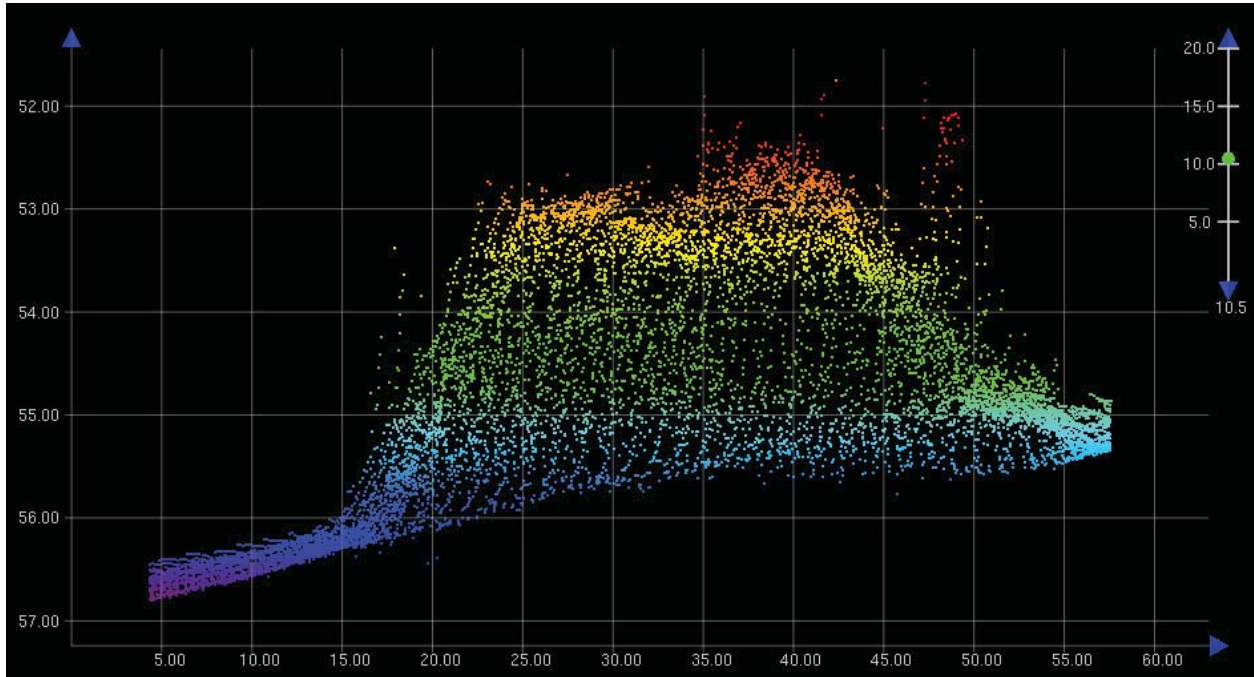


Figure 1.10.1

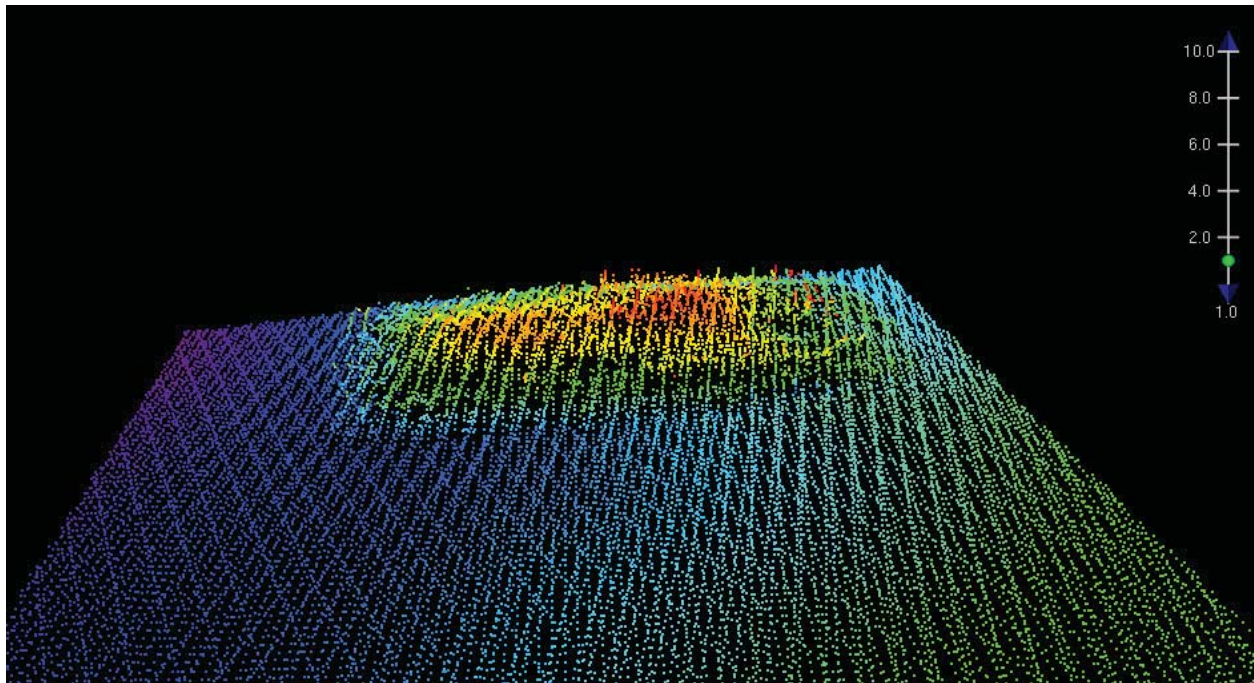


Figure 1.10.2

1.11) AWOIS 14075

Primary Feature for AWOIS Item #14075

Search Position: 41° 00' 24.9" N, 073° 23' 40.8" W
Historical Depth: 48.16 m
Search Radius: 0
Search Technique: SSS, MB
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--Wreck - insignificant; Wreck covered under chart note "Numerous Wrecks, non dangerous to surface navigation, exist in the area and are not charted. November 1995" (RES 9/14/07).

Survey Summary

Survey Position: 41° 00' 24.7" N, 073° 23' 40.8" W
Least Depth: 47.90 m (= 157.17 ft = 26.194 fm = 26 fm 1.17 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073078 00001(022600011D760001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 14084 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073078 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14075	7.13	185.1	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB and leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

157ft (12368_1, 12364_20, 12364_8, 12363_1)

26fm (12300_1, 13006_1, 13003_1)

48m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 47.904 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 14075 is uncharted and within charted caution area. Chart 157.1ft wreck in the present survey location. Update AWOIS database with present survey findings.

Feature Images

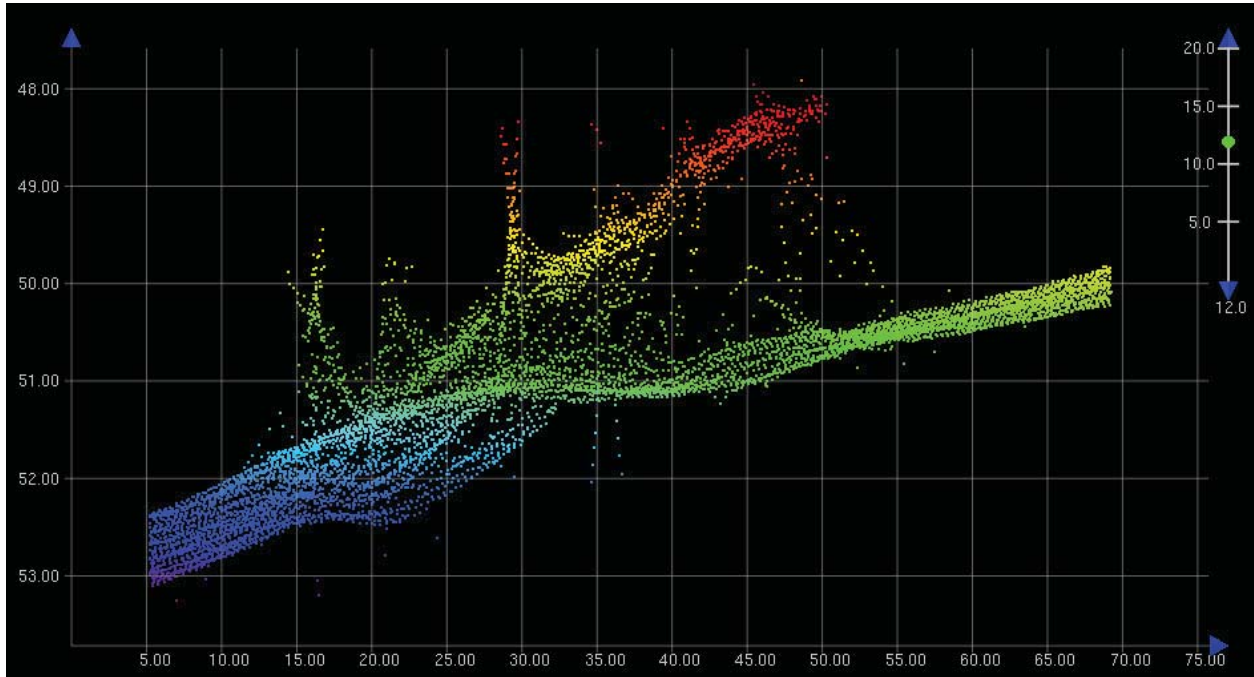


Figure 1.11.1

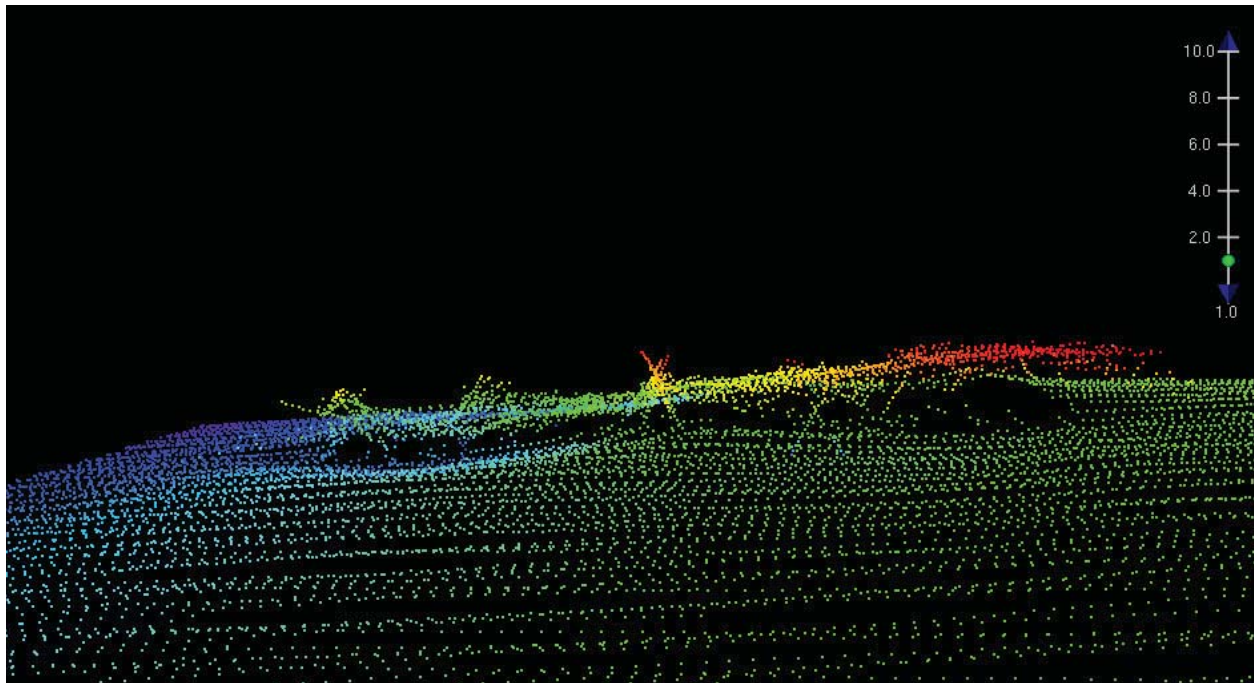


Figure 1.11.2

1.12) AWOIS 14045

Primary Feature for AWOIS Item #14045

Search Position: 41° 00' 24.9" N, 073° 22' 34.0" W
Historical Depth: 25.91 m
Search Radius: 0
Search Technique: SSS, MB
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--wrecks were seen on side scan sonar trace.Chart 85ft Wks in Lat. 41°00'24.85", Long. 73°22'33.96" (RES 8/16/07).

Survey Summary

Survey Position: 41° 00' 24.8" N, 073° 22' 34.2" W
Least Depth: 33.77 m (= 110.78 ft = 18.463 fm = 18 fm 2.78 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073089 00001(022600011D810001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: 110ft Wreck was found with complete REson 7125 MBES coverage. Soundings are processed to the ellipsoid and corrected to MLLW using VDatum.

AWOIS item 14045 references "wrecks" in this area and this wreck is assumed to be one of them.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073090 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073089 00001	53.52	291.7	Secondary (grouped)

Hydrographer Recommendations

Chart non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

111ft (12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

34m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 33.765 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Delete charted 85ft wreck. Chart AWOIS 14045, a 110.78ft wrecks, at survey position.

Feature Images

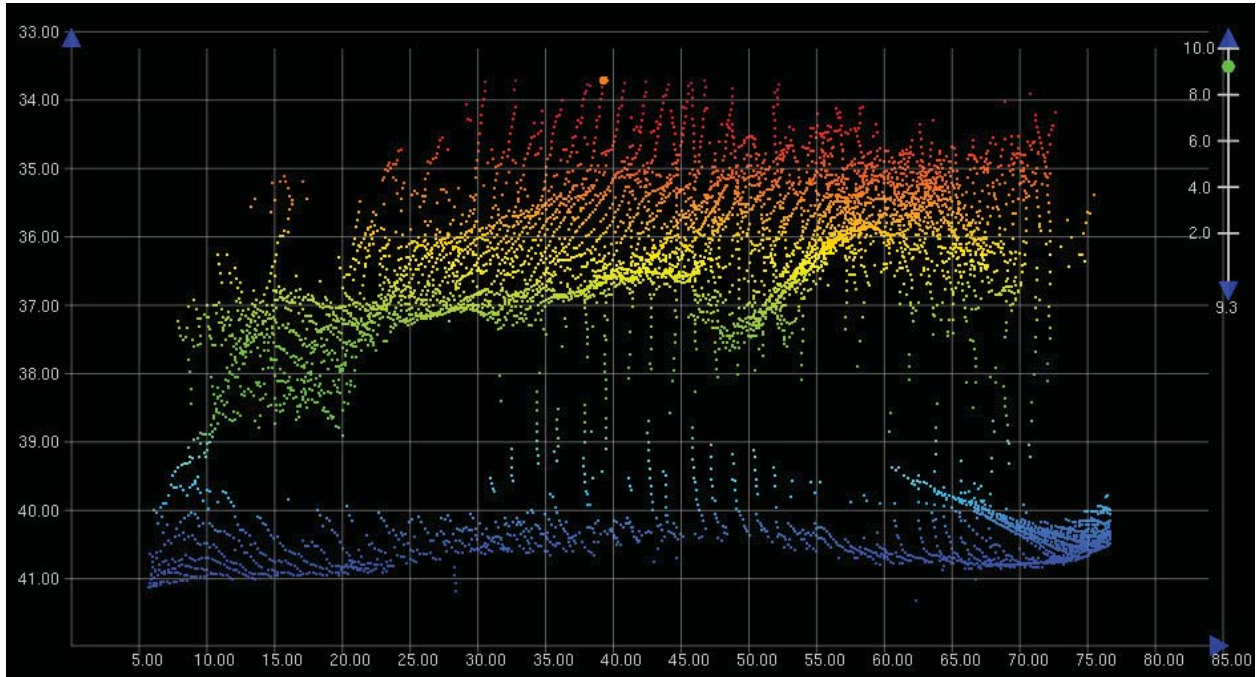


Figure 1.12.1

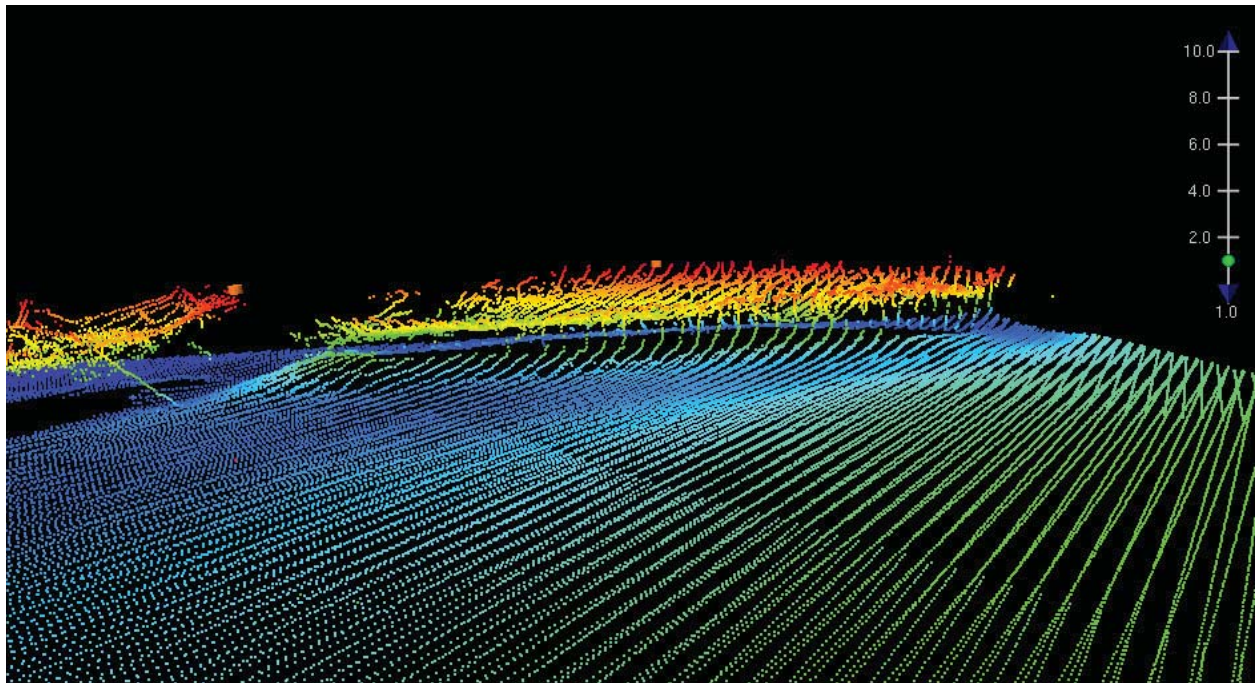


Figure 1.12.2

1.13) AWOIS 14045.1

Survey Summary

Survey Position: 41° 00' 25.5" N, 073° 22' 36.3" W
Least Depth: 34.47 m (= 113.10 ft = 18.850 fm = 18 fm 5.10 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073090 00001(022600011D820001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: 110ft Wreck was found with complete Reson 7125 MBES coverage. Soundings are processed to the ellipsoid and corrected to MLLW using VDatum.

AWOIS item 14045 references "wrecks" in this area and this wreck is assumed to be one of them.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073090 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073089 00001	53.52	291.7	Secondary (grouped)

Hydrographer Recommendations

Chart non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

113ft (12368_1, 12364_20, 12364_8, 12363_1)

19fm (12300_1, 13006_1, 13003_1)

34m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - No charting action

QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 34.473 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 14045.1 is uncharted and in the vicinity of a shoaler charted wreck, AWOIS 14045. Update AWOIS database with present survey findings. No change to charting.

Feature Images

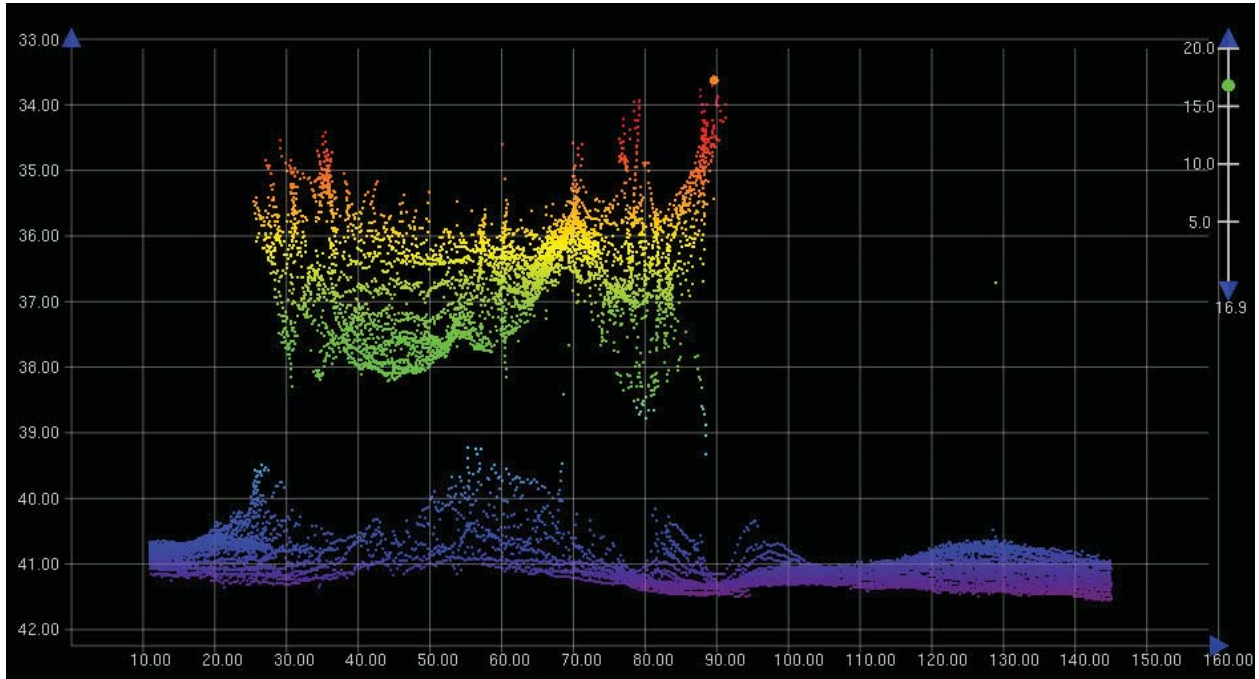


Figure 1.13.1

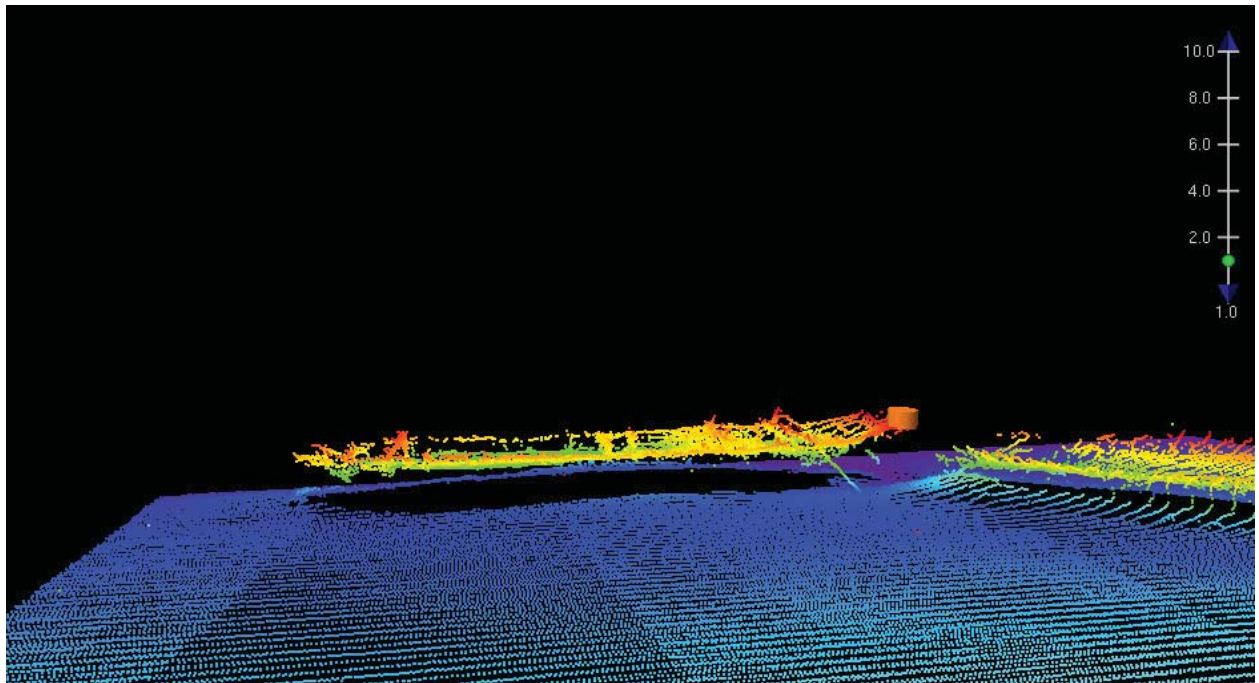


Figure 1.13.2

1.14) AWOIS 14080

Primary Feature for AWOIS Item #14080

Search Position: 41° 00' 25.9" N, 073° 23' 25.0" W
Historical Depth: 53.34 m
Search Radius: 0
Search Technique: SSS,MB
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--Silted over wreck; not charted numerous sunken wrecks in area (RES 9/14/07).

Survey Summary

Survey Position: 41° 00' 25.5" N, 073° 23' 24.3" W
Least Depth: 53.82 m (= 176.58 ft = 29.431 fm = 29 fm 2.58 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073077 00001(022600011D750001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Mound in location of AWOIS item 14080 assumed to be the remains of a wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073077 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14080	19.86	124.8	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS database. Leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

176ft (12368_1, 12364_20, 12364_8, 12363_1)

29fm (12300_1, 13006_1, 13003_1)

54m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 53.823 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Wreckage appears deteriorated. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 14080 is uncharted and just outside the charted caution area. It is recommended AWOIS 14080, a 176.58 ft non-dangerous wreck, is charted in the present survey position.

Feature Images

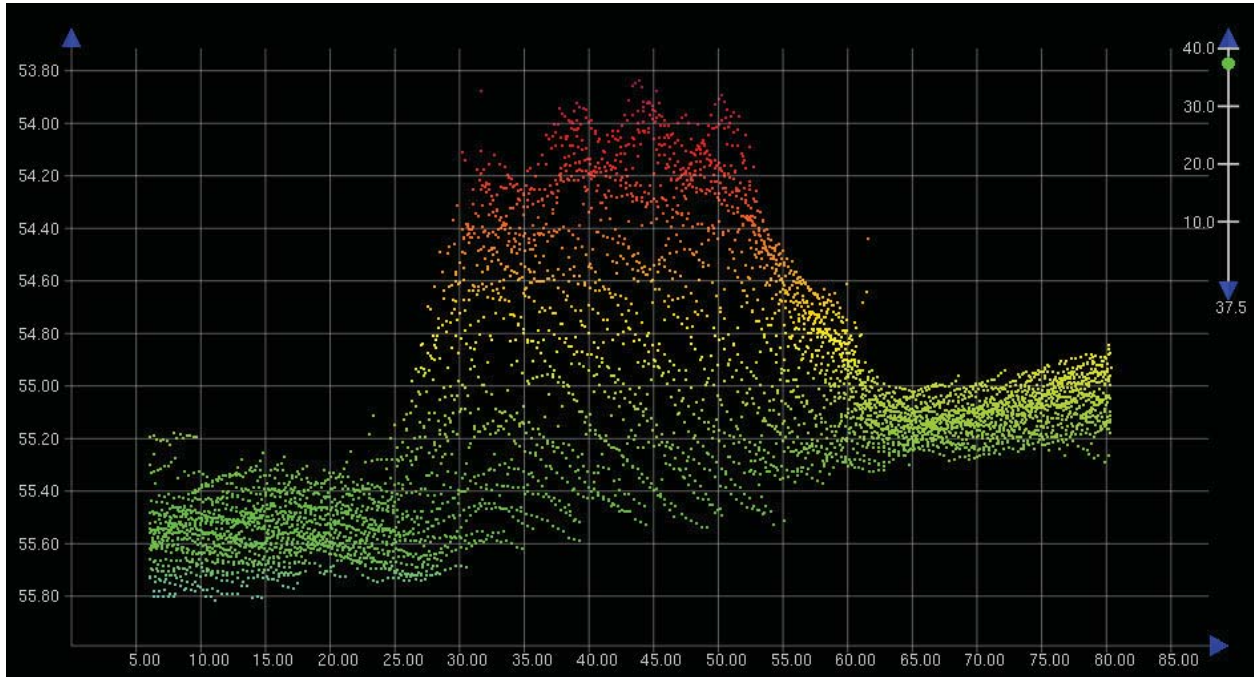


Figure 1.14.1

1.15) AWOIS 7684 Benjamin Packard

Primary Feature for AWOIS Item #7684

Search Position: 41° 00' 30.9" N, 073° 23' 43.1" W
Historical Depth: [None]
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10354/90-- OPR-B285-AHP; NOT ADDRESSED. ADDITIONAL WORK ì
RECOMMENDED. (UP 9/8/92, SJV)

DESCRIPTION

195 LORAN C RATES PROVIDED BY MR. RICHARD TARACKA, GREENWICH, ì
CT. POLICE DEPARTMENT, TEL NO 203-622-8020; 9960-X 26785.9, ì
9960-Y 43974.4; IDENTIFIED AS BENJAMIN PACKARD; LAT 41-00-20.81N, ì
LONG 73-23-35.92W (COMPUTED FROM LORAN RATES). (ENTERED MSM 4/90)

S00002/02--S-B600-RU--Updated current position of Benjamin Packard (charted as 90ft Wk) from
41°00'21.16N, 73°23'43.056"W to 41°00'30.891", 73°23'43.056" (RES 9/14/07).

Survey Summary

Survey Position: 41° 00' 31.2" N, 073° 23' 42.5" W
Least Depth: 29.46 m (= 96.66 ft = 16.110 fm = 16 fm 0.66 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073079 00001(022600011D770001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Remains of Benjamin Packard (AWOIS 7684) found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073079 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 7684	16.42	059.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

96ft (12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wrecks
 QUASOU - 6:least depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412
 TECSOU - 3:found by multi-beam
 VALSOU - 29.462 m
 WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 7684 is charted and within charted caution area. Delete charted 90ft wreck. Chart AWOIS 7684, a 96.66ft wrecks, at survey position.

Feature Images

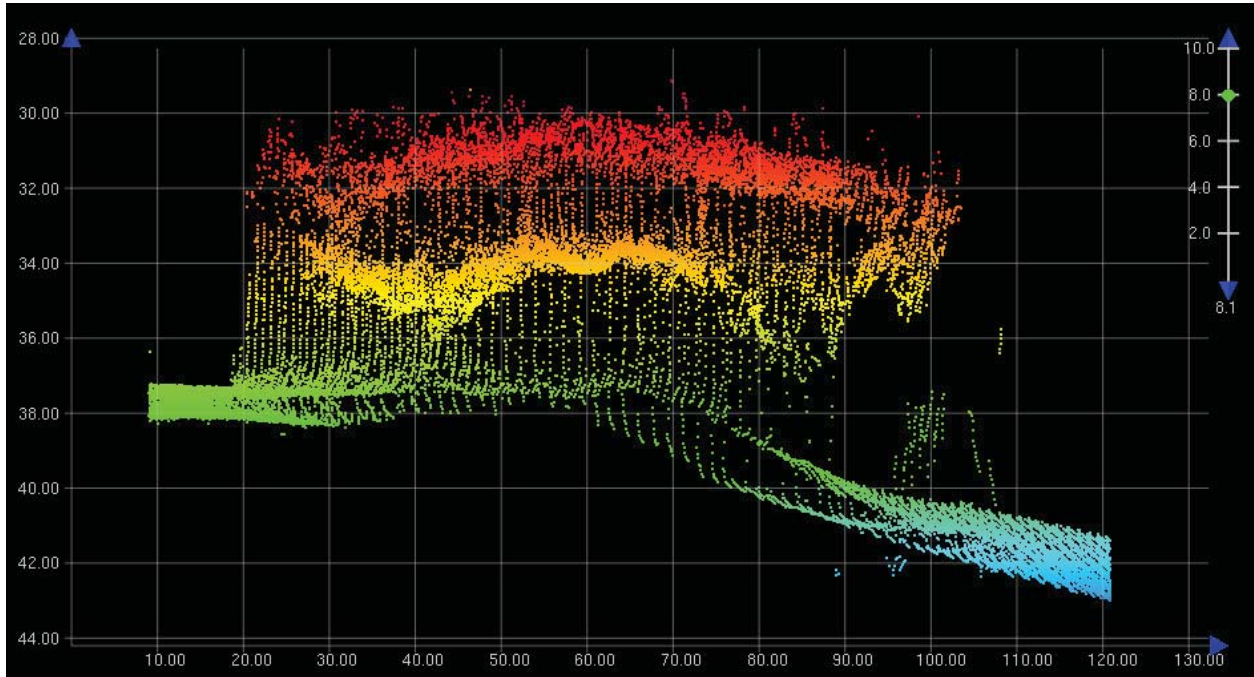


Figure 1.15.1

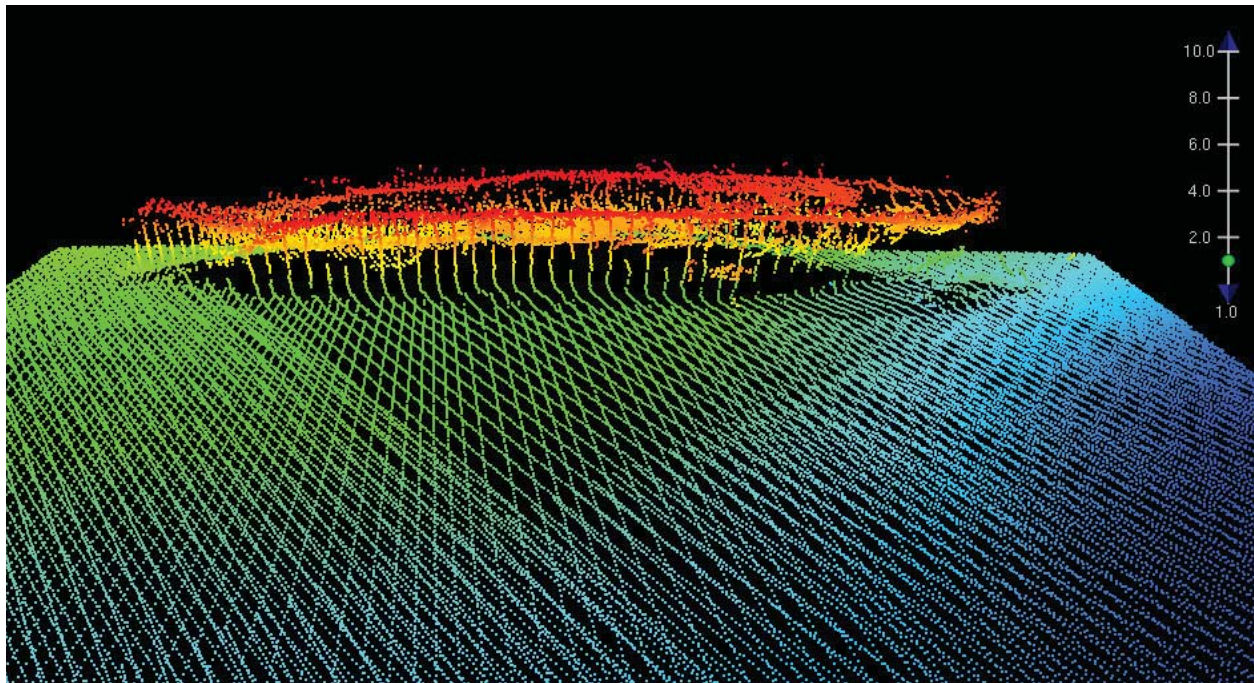


Figure 1.15.2



Figure 1.15.3



Property of Puget Sound Maritime Historical Society

Figure 1.15.4

1.16) AWOIS 7685

Primary Feature for AWOIS Item #7685

Search Position: 41° 00' 33.7" N, 073° 23' 35.6" W
Historical Depth: 46.33 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10354/90-- OPR-B285-AHP; NOT ADDRESSED. ADDITIONAL WORK ì
RECOMMENDED. (UP 9/8/92, SJV)

DESCRIPTION

195 LORAN C RATES PROVIDED BY MR. RICHARD TARACKA, GREENWICH, ì
CT. POLICE DEPARTMENT, TEL NO 203-622-8020; 9960-X 26787.5, ì
9960-Y 43976.8; IDENTIFIED AS A STEEL HULL; LAT 41-00-35.8N, LONG ì
73-23-42.25W (COMPUTED FROM LORAN RATES). (ENTERED MSM 4/90)

S00002/02--S-B600-RU--This wreck has very little relief and the slope of the area is much shoaler than the least depth of the wreck, updated GPs and added depth of 152ft; not charted, multiple sunken wrecks in area (RES 9/21/07).

Survey Summary

Survey Position: 41° 00' 33.7" N, 073° 23' 35.6" W
Least Depth: 46.69 m (= 153.18 ft = 25.529 fm = 25 fm 3.18 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073076 00001(022600011D740001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Remains of AWOIS item 7685 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

WRECKS/invreq: Type: WRECK, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073076 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 7685	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

153ft (12368_1, 12364_20, 12364_8, 12363_1)

25fm (12300_1, 13006_1, 13003_1)

47m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No action
 QUASOU - 6:least depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412
 TECSOU - 3:found by multi-beam
 VALSOU - 46.688 m
 WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 7685 is uncharted and just outside the charted caution area. No charting action recommended. Update AWOIS database with present survey findings.

Feature Images

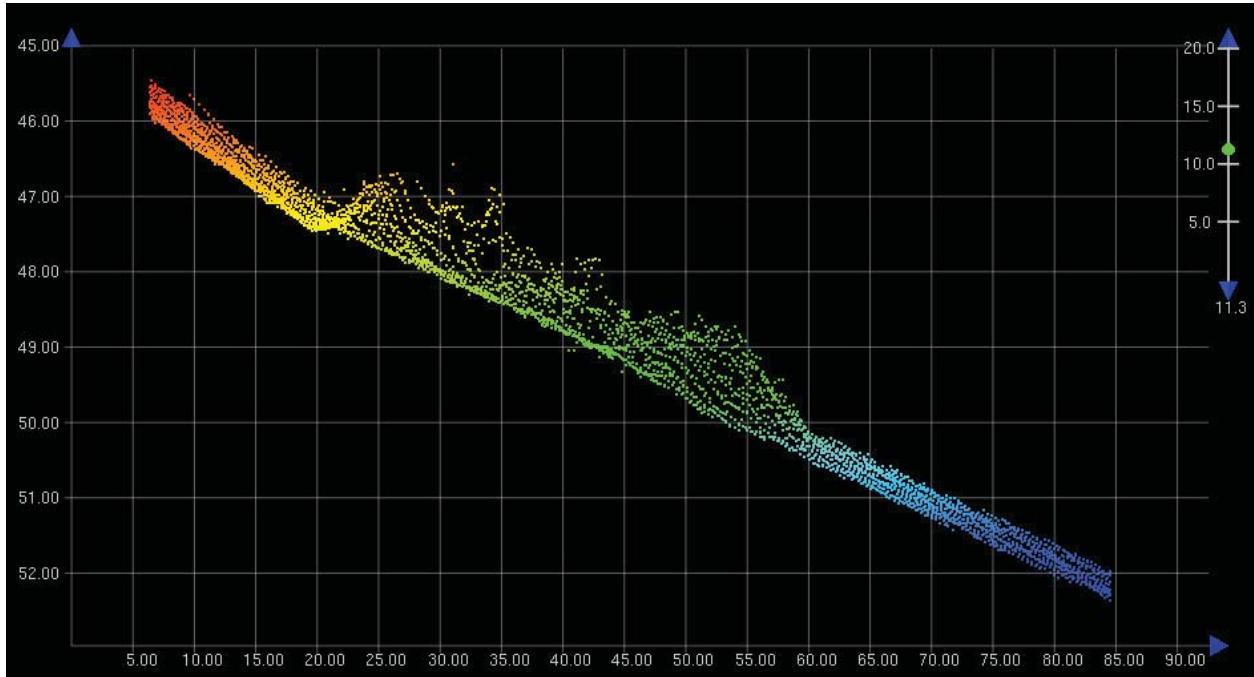


Figure 1.16.1

1.17) AWOIS 14082

Primary Feature for AWOIS Item #14082

Search Position: 41° 00' 41.7" N, 073° 22' 13.1" W
Historical Depth: 43.28 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--Large shipwreck - least depth is 30 ft off the bottom;Chart 142ft Wk in Lat. 41°00'41.702", long. 73°22'13.062" (RES 9/20/07).

Survey Summary

Survey Position: 41° 00' 42.0" N, 073° 22' 12.9" W
Least Depth: 43.35 m (= 142.23 ft = 23.706 fm = 23 fm 4.23 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072818 00001(022600011C720001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Wreck is assumed to be AWOIS item 14082.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072818 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14082	9.30	024.9	Secondary (grouped)

Hydrographer Recommendations

Update location and sounding in AWOIS DB and chart non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

142ft (12368_1, 12364_20, 12364_8, 12363_1)

23fm (12300_1, 13006_1, 13003_1)

43m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 43.353 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however and significant.

COMPILE: Delete charted 142ft wreck. Chart AWOIS 14082, a 142.2ft wreck, at survey position.

Feature Images

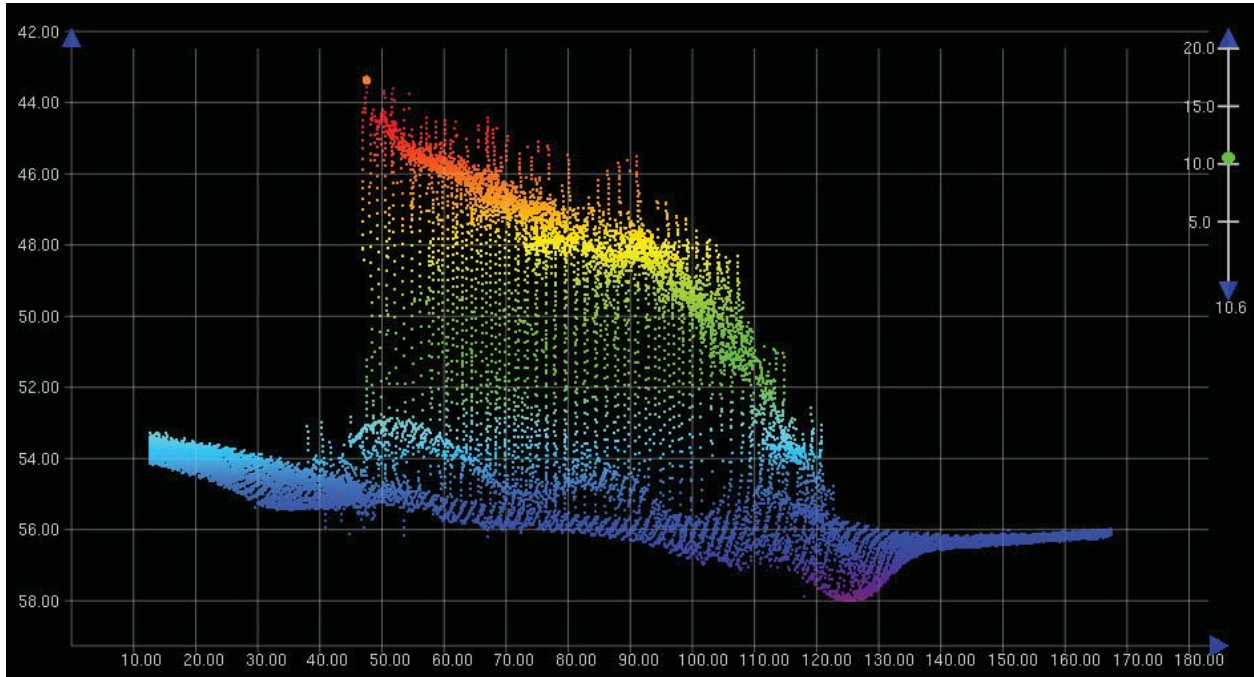


Figure 1.17.1

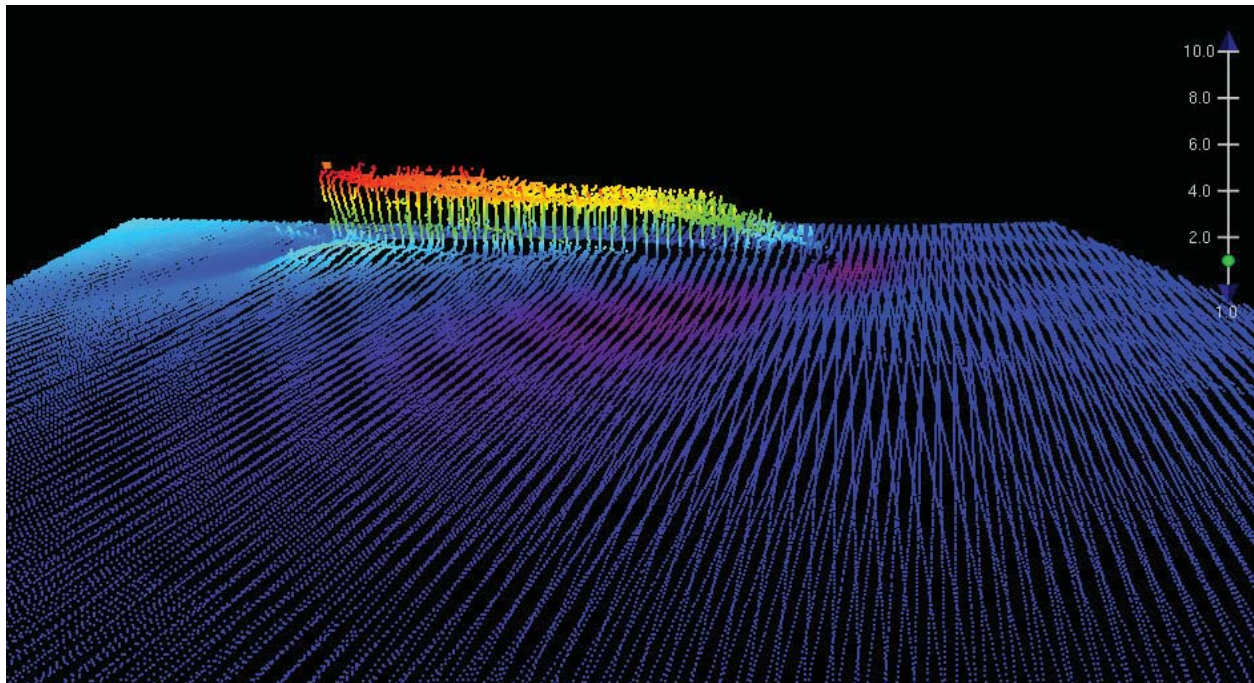


Figure 1.17.2

1.18) AWOIS 14077

Primary Feature for AWOIS Item #14077

Search Position: 41° 00' 43.4" N, 073° 23' 14.6" W
Historical Depth: 35.66 m
Search Radius: 0
Search Technique: SSS,MB
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--Two wrecks located by Multibeam; not charted, numerous sunken wrecks exist in area (RES 9/14/07).

Survey Summary

Survey Position: 41° 00' 43.5" N, 073° 23' 14.5" W
Least Depth: 35.50 m (= 116.48 ft = 19.413 fm = 19 fm 2.48 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072811 00001(022600011C6B0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 14077 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072811 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14077	5.16	052.6	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS database and leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

116ft (12368_1, 12364_20, 12364_8, 12363_1)

19fm (12300_1, 13006_1, 13003_1)

36m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 35.502 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 14077 is uncharted and just outside the charted caution area. It is recommended the non-dangerous wrecks, least depth 116.48ft is charted in the present survey position.

Feature Images

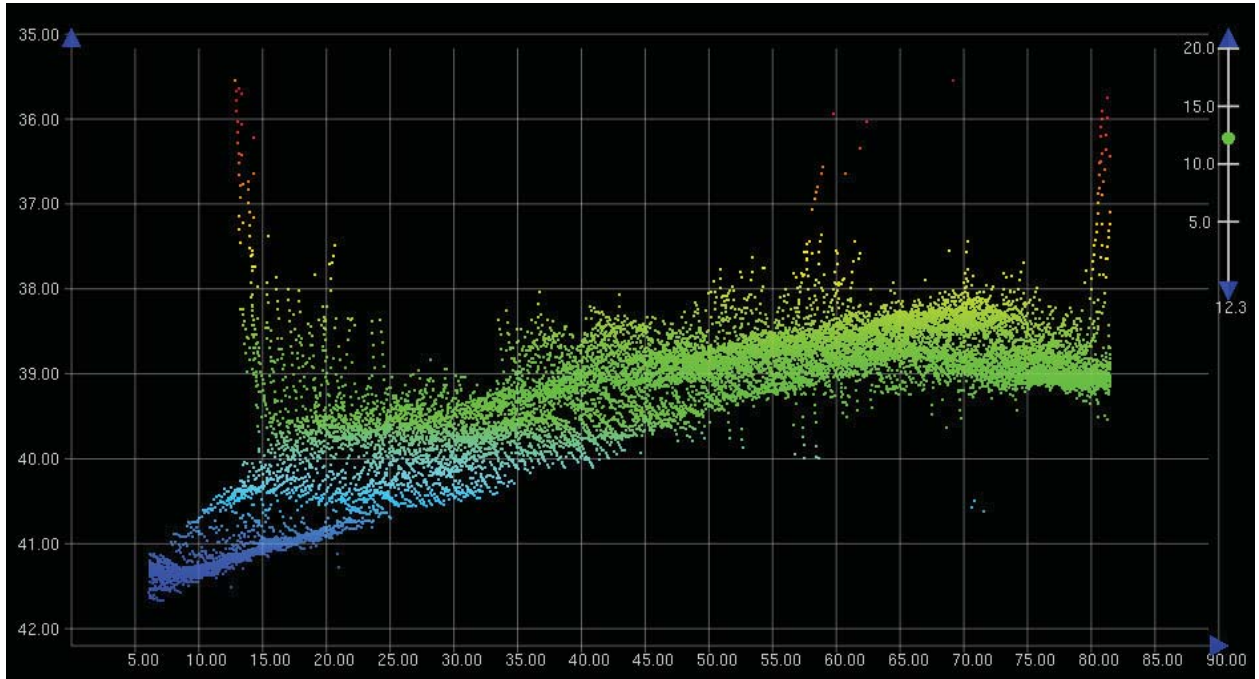


Figure 1.18.1

1.19) AWOIS 14076

Primary Feature for AWOIS Item #14076

Search Position: 41° 00' 45.4" N, 073° 23' 43.1" W
Historical Depth: 26.52 m
Search Radius: 0
Search Technique: SSS,MB
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--Chart 87ft Wk in Lat. 41°00'45.413", Long. 73°23'43.055" (RES 9/14/07).

Survey Summary

Survey Position: 41° 00' 45.3" N, 073° 23' 43.1" W
Least Depth: 26.86 m (= 88.12 ft = 14.687 fm = 14 fm 4.12 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072810 00001(022600011C6A0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072810 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14076	3.66	196.5	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

88ft (12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

27m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 26.859 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: Delete charted 87ft wreck. Chart AWOIS 14076, an 88.1ft wreck at survey position.

Feature Images

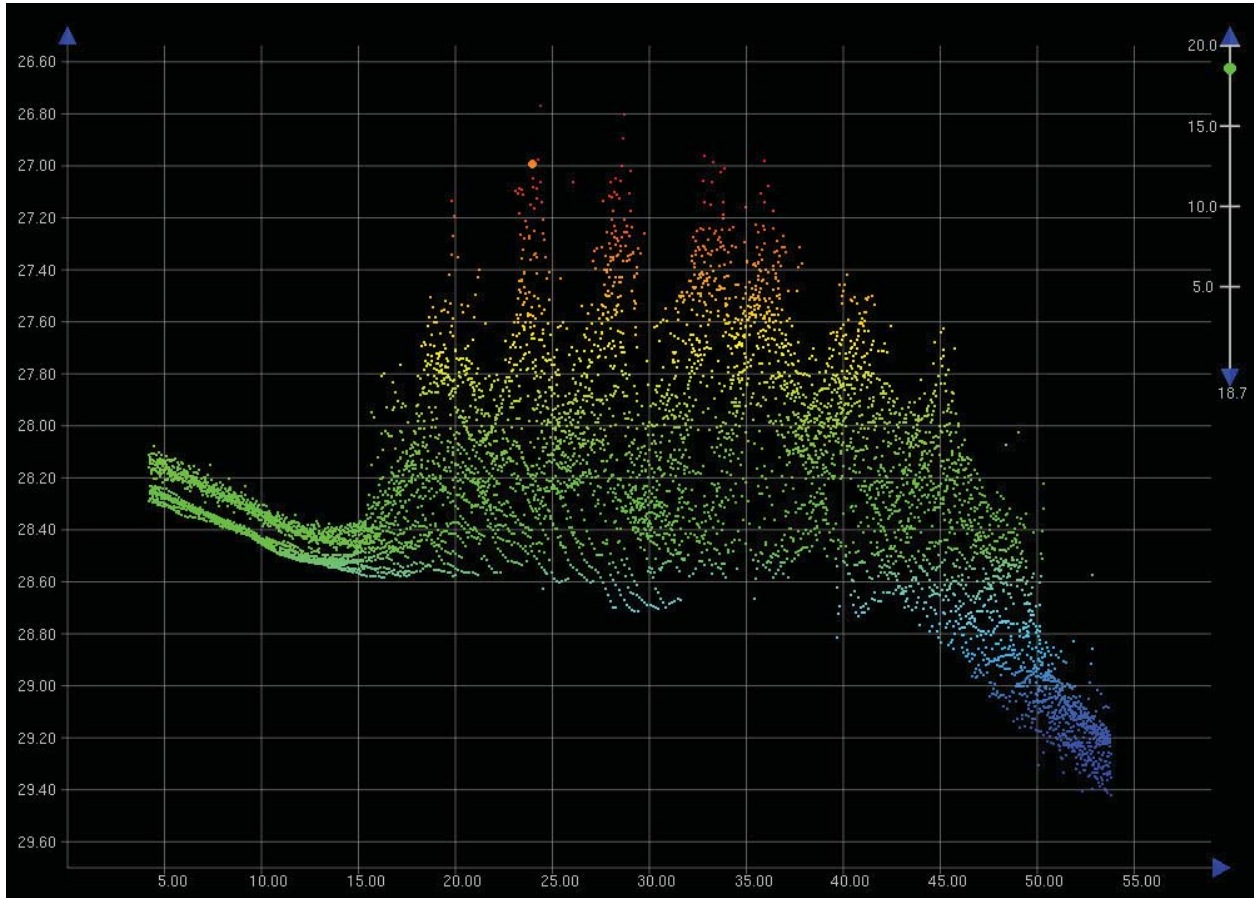


Figure 1.19.1

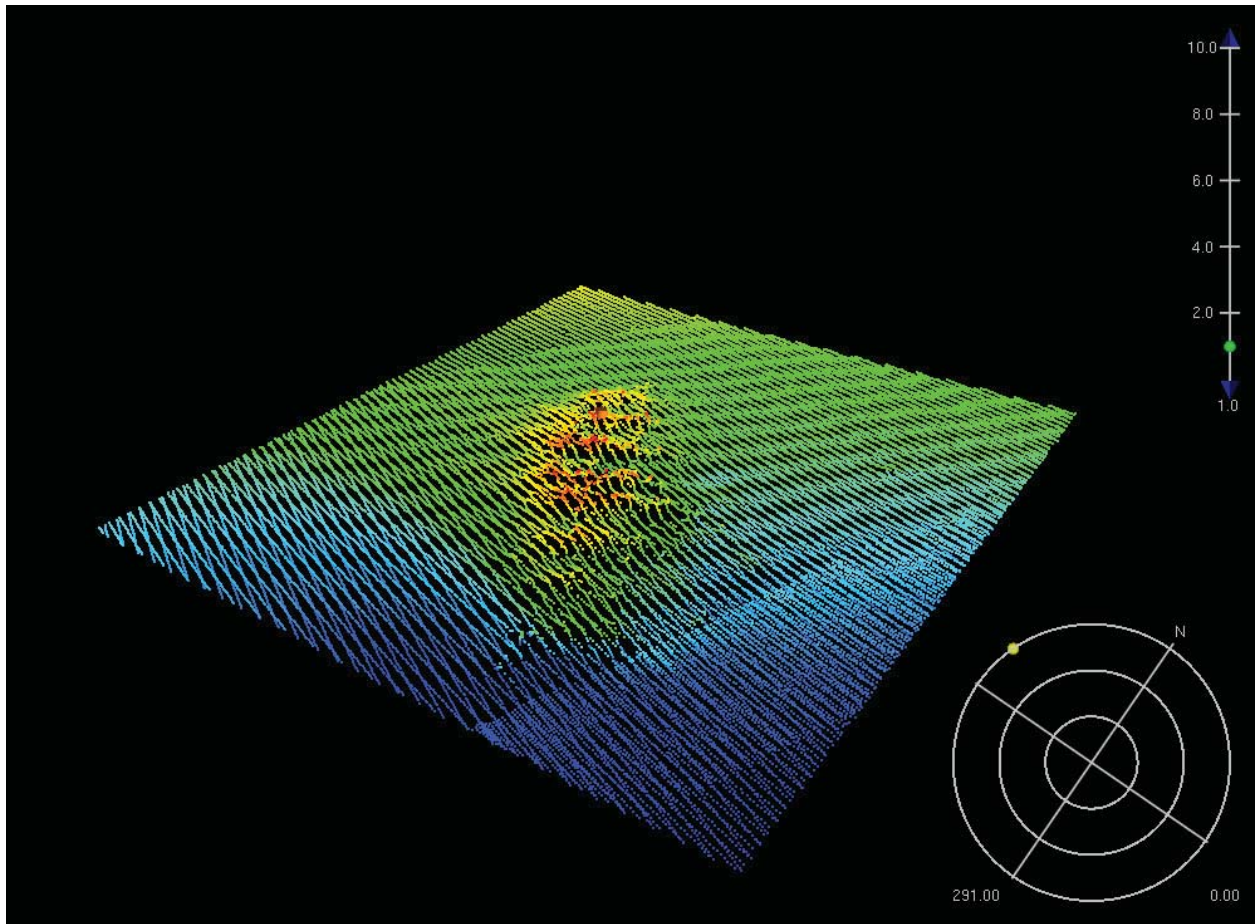


Figure 1.19.2

1.20) AWOIS 7683

Survey Summary

Survey Position: 41° 00' 50.6" N, 073° 23' 42.2" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072636 00001(022600011BBC0001)

History Notes:

HISTORY

H10354/90-- OPR-B285-AHP; NOT ADDRESSED. ADDITIONAL WORK ì
RECOMMENDED. (UP 9/8/92, SJV)

DESCRIPTION

195 LORAN C RATES PROVIDED BY MR. RICHARD TARACKA, GREENWICH, ì
CT. POLICE DEPARTMENT, TEL NO 203-622-8020; 9960-X 26788.4, ì
9960-Y 43979.0; LAT 41-00-50.30N, LONG 73-23-42.79W (COMPUTED ì
FROM LORAN RATES). (ENTERED MSM 4/90)

Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: Nothing was found in this area. Area was searched with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: UNASSIGNED, Searchtype: , Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 7683	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072636 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No charting action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. Feature type undefined in the AWOIS description. This feature is considered disproved. Recommend to update the AWOIS database.

COMPILE: AWOIS 7683 is uncharted and has been disproved by the present survey. No charting action. Update AWOIS database with present survey findings.

1.21) AWOIS 12679

Survey Summary

Survey Position: 40° 59' 50.1" N, 073° 25' 41.4" W
Least Depth: 30.22 m (= 99.14 ft = 16.523 fm = 16 fm 3.14 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072718 00001(022600011C0E0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12679 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072718 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

99ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

30m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-50.23N, LONG. 73-25-41.73W. MB LD OF 98 FEET (29.85 METERS). (ENT 11/12/04, SJV)

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 30.217 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS item 12679 is duplicated by AWOIS item 7748. It is recommended that Item 7748 is deleted from the AWOIS database. It is further recommended the charted 95ft wreck is deleted from the chart and the item is not charted.

Feature Images

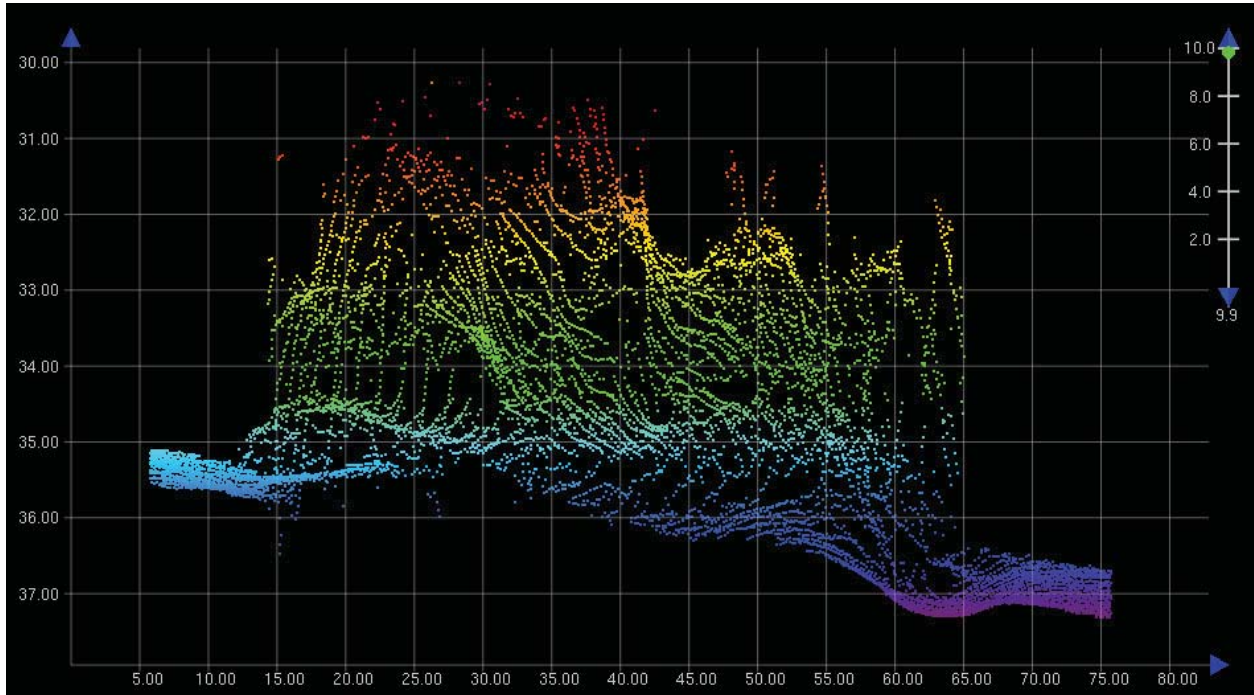


Figure 1.21.1

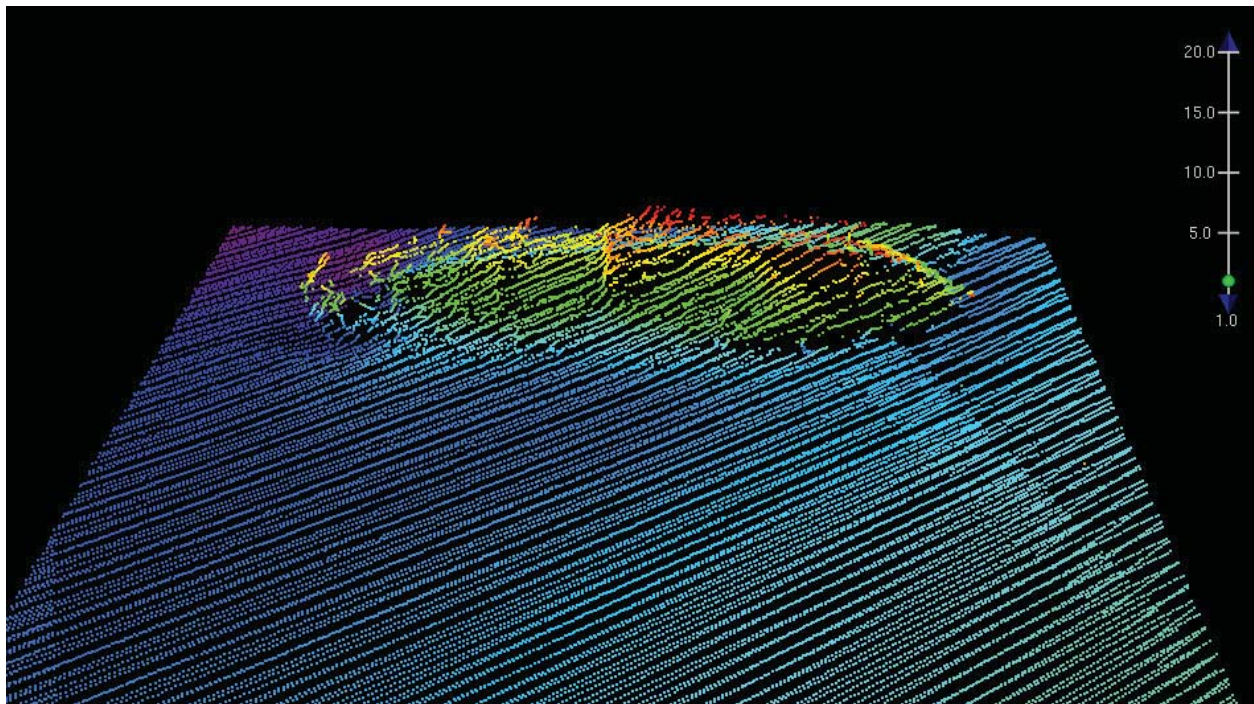


Figure 1.21.2

1.22) AWOIS 7745

Survey Summary

Survey Position: 40° 59' 50.4" N, 073° 26' 23.1" W
Least Depth: 28.89 m (= 94.79 ft = 15.798 fm = 15 fm 4.79 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072973 00001(022600011D0D0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072973 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072975 00001	3.60	189.8	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

95ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wrecks
 QUASOU - 6:least depth known

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 28.891 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: AWOIS item 7745 is duplicated by AWOIS item 12631. It is recommended that Item 12631 is deleted from the AWOIS database. It is further recommended the charted 97ft wreck is deleted from the chart and the chart is updated with a 94.79 ft wrecks at survey position.

Feature Images

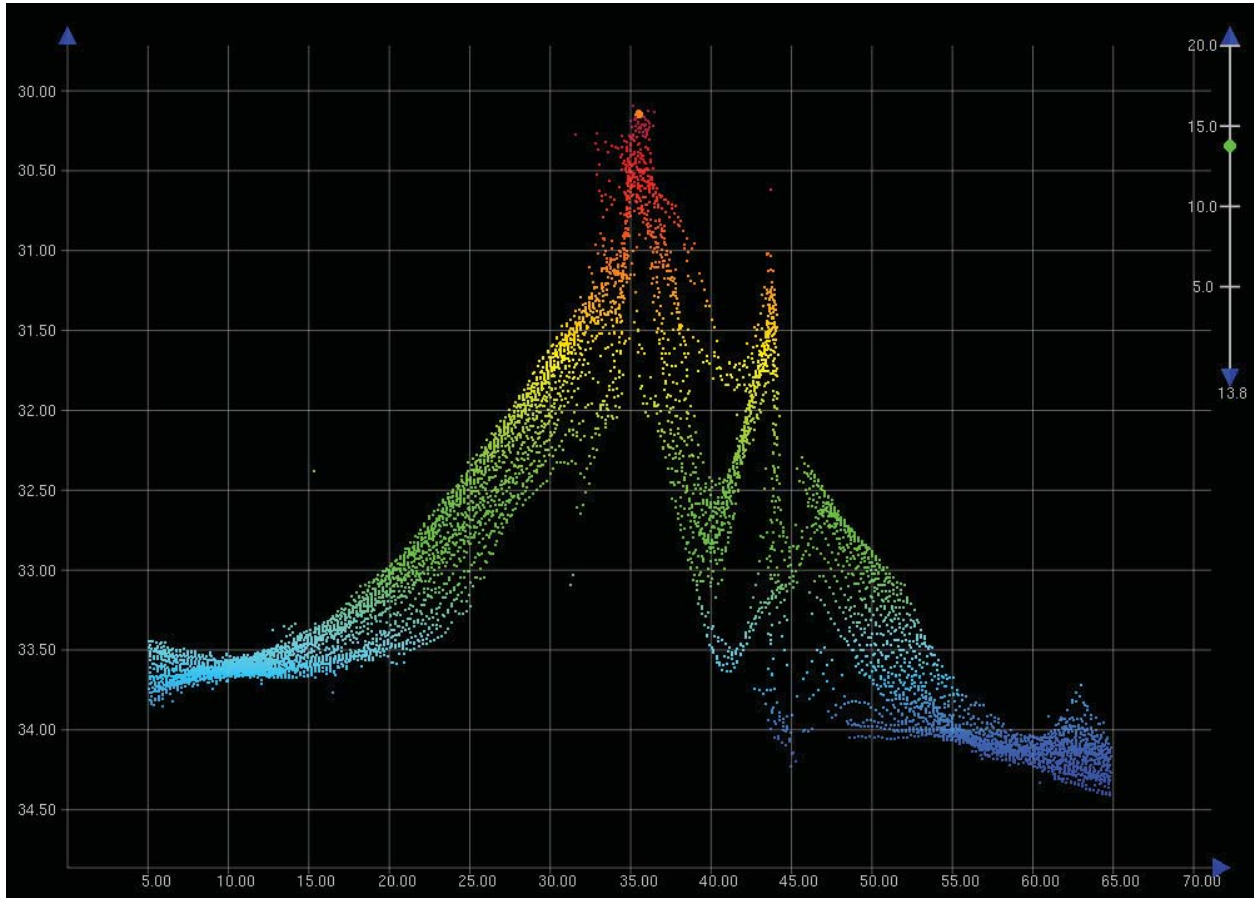


Figure 1.22.1

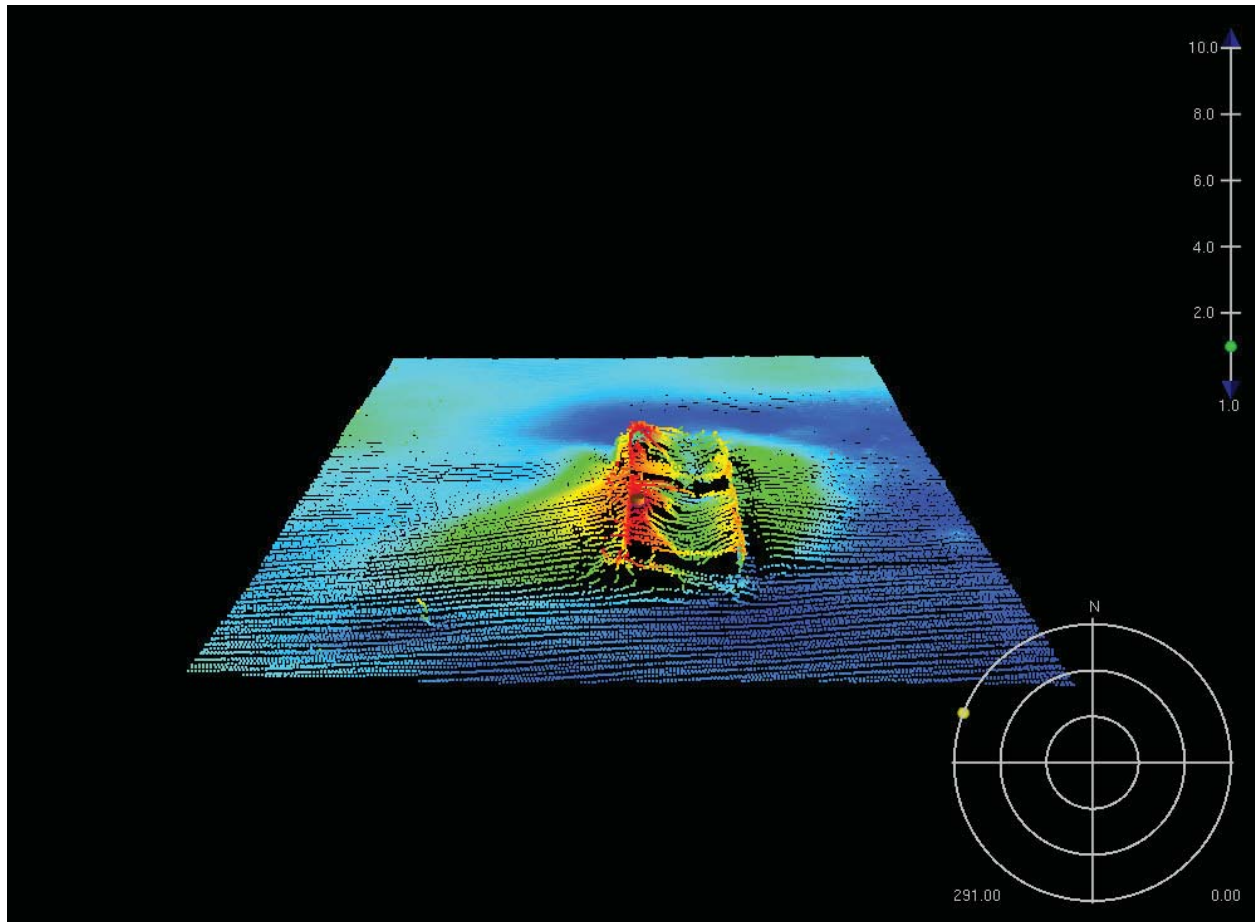


Figure 1.22.2

1.23) AWOIS 7748

Survey Summary

Survey Position: 40° 59' 50.4" N, 073° 25' 41.5" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072730 00001(022600011C1A0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 7748 does not refer to a single target. There is another AWOIS item referring to a single target in this location.

\$CSYMB/invreq: Type: WRECK, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12679	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072730 00001	7.52	214.0	Secondary (grouped)

Hydrographer Recommendations

Remove AWOIS item 7748 from DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update AWOIS database

COMPILE: AWOIS item 7748 is a duplicate of AWOIS item 12679. Delete duplicate AWOIS database entry for item 7748.

1.24) AWOIS 12631

Primary Feature for AWOIS Item #7745

Search Position: 40° 59' 51.0" N, 073° 26' 22.8" W
Historical Depth: 29.57 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS FOUND IN LAT 40-59-50.62N, LONG 73-26-22.86W WITH AN ESTIMATED LEAST DEPTH OF 92 FT; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM THE VESSEL'S TRACK. (ENTERED MSM 5/90)

H10354/90-- OPR-B285-AHP; OBSTRUCTION LOCATED IN LAT. 40-59-51.20N, LONG. 73-26-23.19W. 93 FEET (28.5 METERS) LD. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. (UP 9/8/92, SJV)

S00002/02--S-B600-RU--SWMB development of boat wreck; Delete 92ft Wk in Lat. 40°59'51.20", Long. 73°26'23.19", Chart 97ft Wk in Lat. 40°59'50.99", Long. 73°26'22.81" (RES 8/09/07).

Survey Summary

Survey Position: 40° 59' 50.5" N, 073° 26' 23.0" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072975 00001(022600011D0F0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: Item has a duplicate AWOIS entry (7745). Item 7745 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072973 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072975 00001	3.60	189.8	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Chart 12365 displays the wreck as 92ft; while cahrt 12368 displays the wreck as 97ft. Wreck has been verified within the survey data as 28.891m 94.78ft (95ft) least depth.

COMPILE: AWOIS item 12631 is a duplicate of AWOIS item 7745. Delete duplicate AWOIS database entry for item 12631.

1.25) AWOIS 12626

Survey Summary

Survey Position: 40° 59' 50.6" N, 073° 26' 41.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072740 00001(022600011C240001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item is duplicated by AWOIS 11370. Item 11370 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 11370	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072740 00001	8.38	053.3	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. 95ft Wreck located 31m to the SSE. Chart 12365 displays the wreck as 94ft, while chart 12368 displays the wreck as 95ft.

COMPILE: AWOIS item 12626 is a duplicate of AWOIS item 11370. Delete duplicate AWOIS database entry for item 12626.

1.26) AWOIS 12634

Survey Summary

Survey Position: 40° 59' 50.9" N, 073° 26' 07.2" W
Least Depth: 31.84 m (= 104.47 ft = 17.412 fm = 17 fm 2.47 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072595 00001(022600011B930001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12634 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072595 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

104ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-51.09N, LONG. 73-26-07.00W. MB LD OF 104.72 FEET (31.92 METERS). (ENT 11/10/04, SJV)

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 31.843 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant

COMPILE: AWOIS item 12634 is duplicated by AWOIS item 7757. It is recommended that Item 7757 is deleted from the AWOIS database. AWOIS item 12634 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

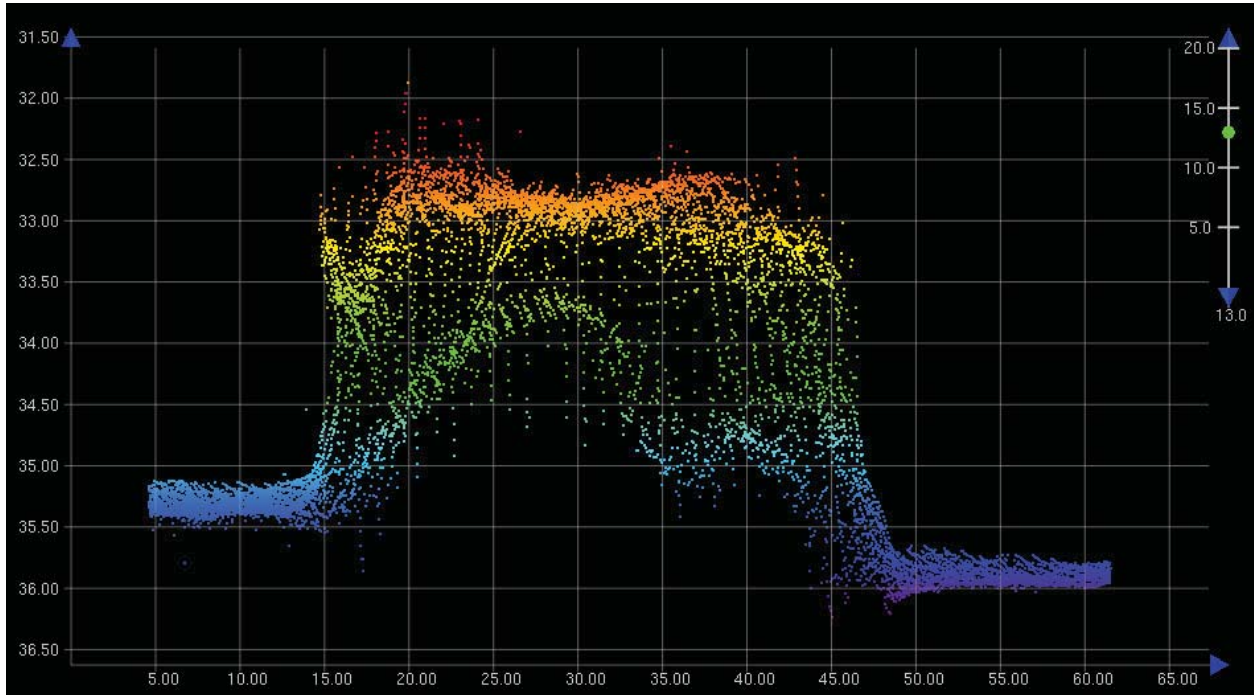


Figure 1.26.1

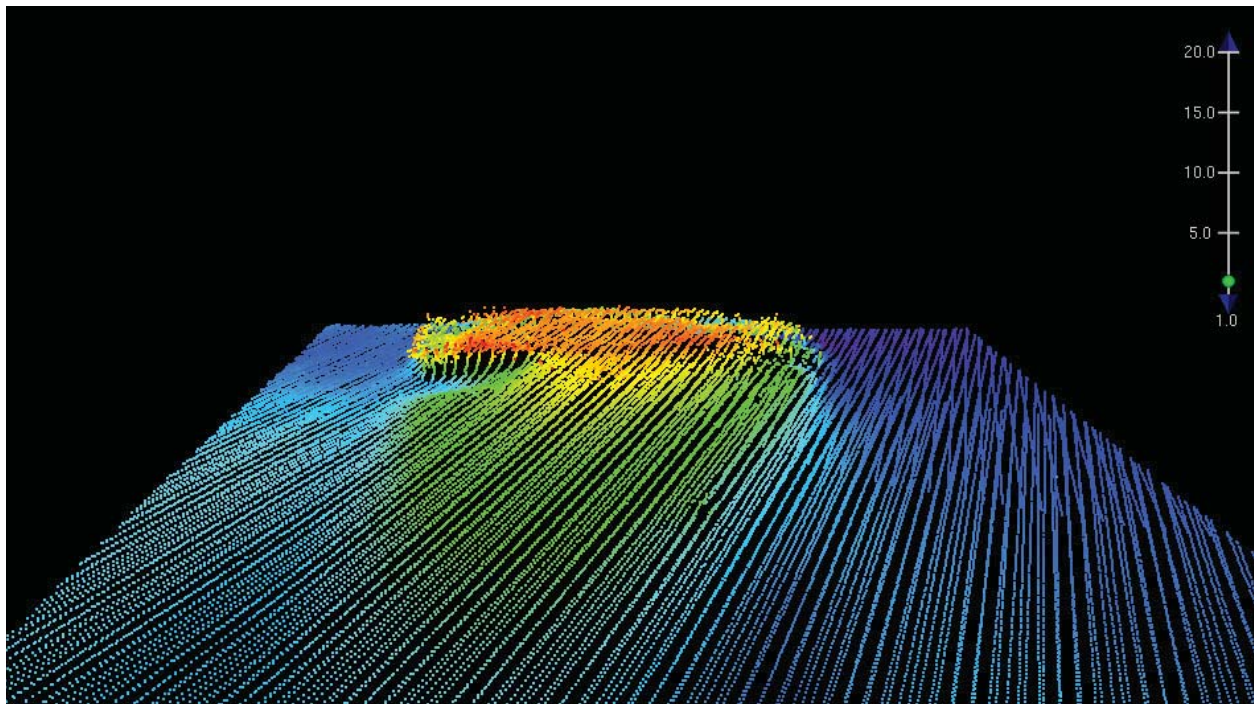


Figure 1.26.2

1.27) AWOIS 7746

Survey Summary

Survey Position: 40° 59' 51.0" N, 073° 26' 29.4" W
Least Depth: 29.77 m (= 97.68 ft = 16.280 fm = 16 fm 1.68 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072764 00001(022600011C3C0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Item was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072764 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072974 00001	1.34	206.4	Secondary (grouped)

Hydrographer Recommendations

Chart a 99ft wreck. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

97ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

30m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 29.772 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Least depth revised to 97ft. Feature is real and hydrographically significant.

COMPILE: AWOIS item 7746 is duplicated by AWOIS item 12630. It is recommended that Item 12630 is deleted from the AWOIS database. It is further recommended the charted 96ft wreck is deleted from the chart and the present item is not charted.

Feature Images

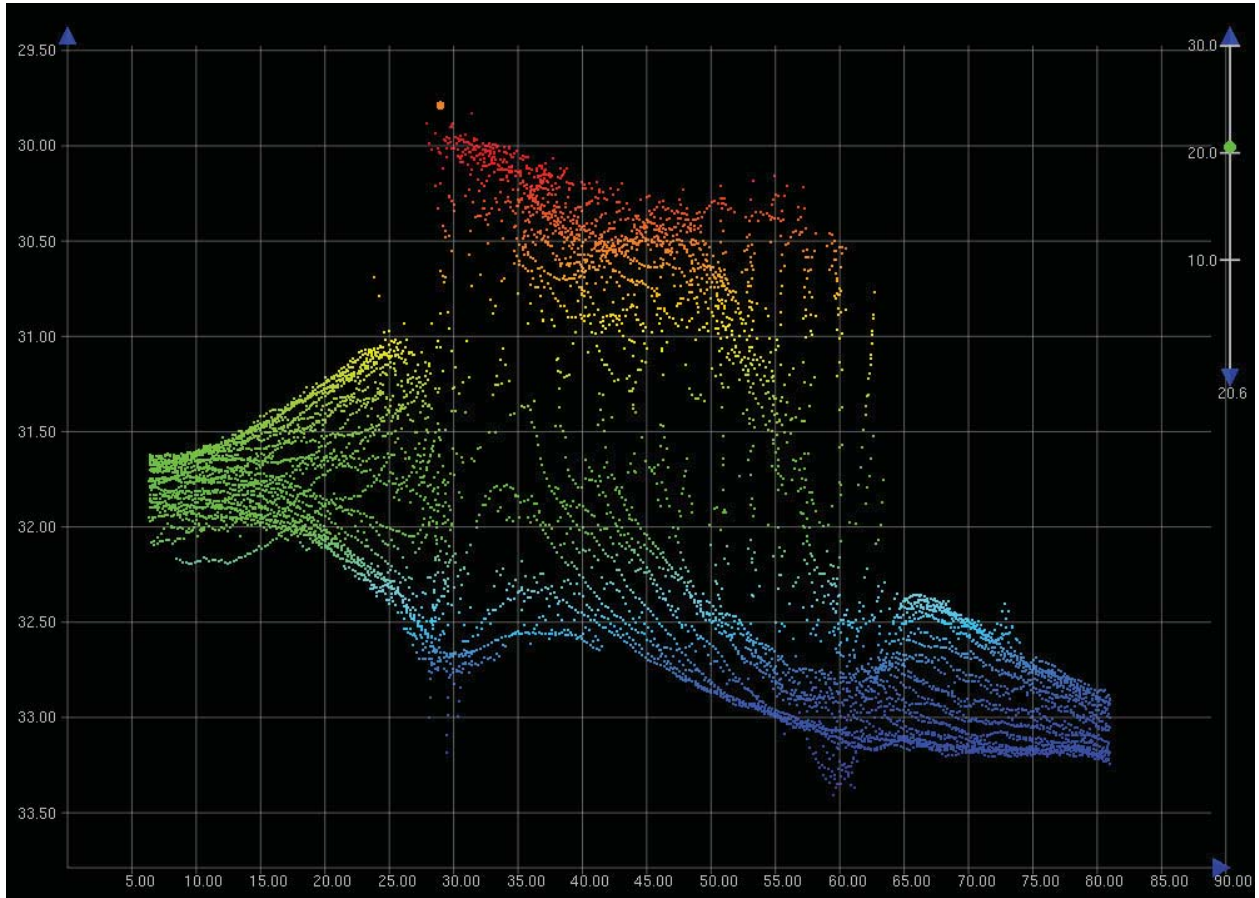


Figure 1.27.1

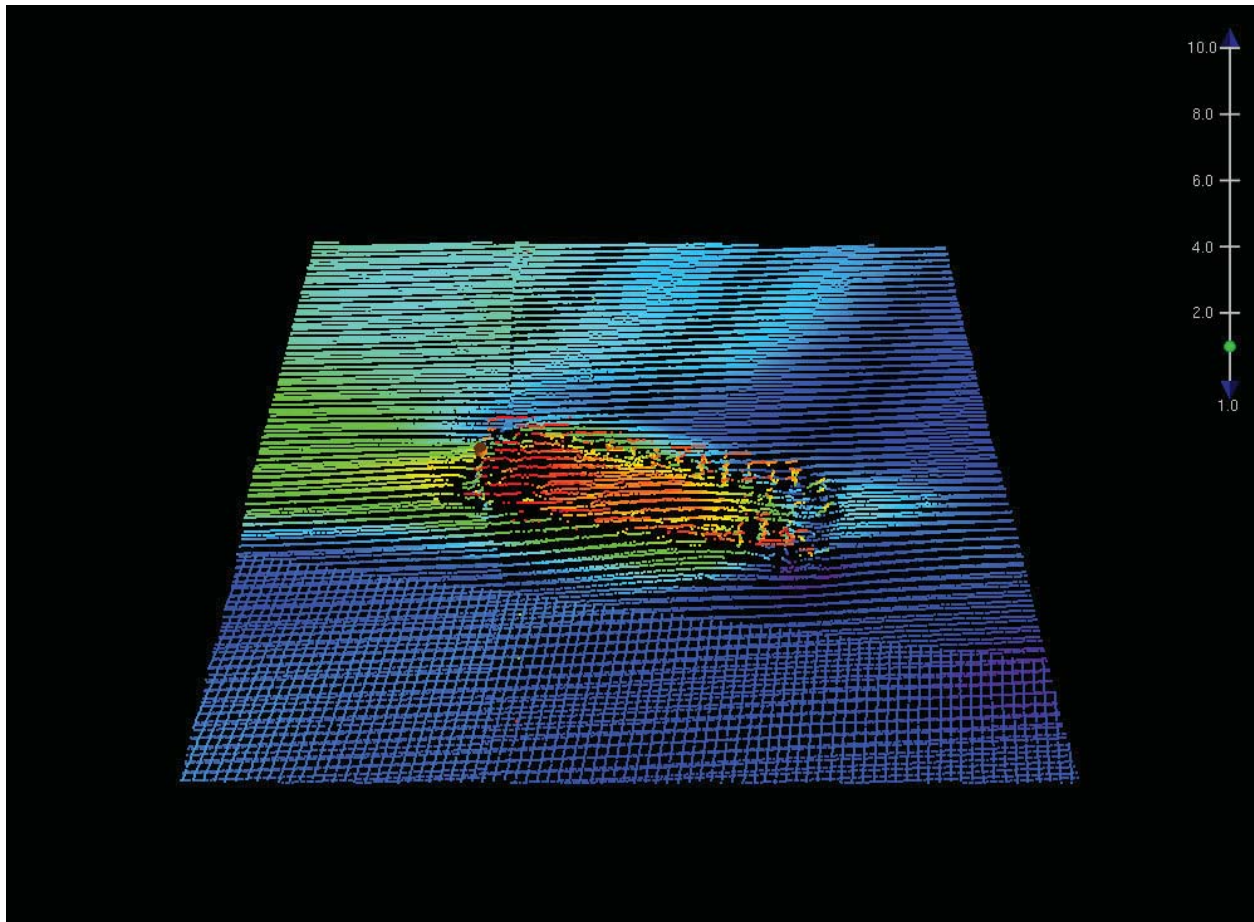


Figure 1.27.2

1.28) AWOIS 12630

Primary Feature for AWOIS Item #7746

Search Position: 40° 59' 51.0" N, 073° 26' 29.2" W
Historical Depth: 29.26 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON THE SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN LAT 40-59-51.11N, LONG 73-26-28.52W WITH AN ESTIMATED LEAST DEPTH OF 95 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM THE VESSEL'S TRACK. (ENTERED MSM 5/90)

H10354/90-- OPR-B285-AHP; OBSTRUCTION LOCATED IN LAT. 40-59-51.27N, LONG. 73-26-28.80W. 29.2 METERS (96 FEET) LD. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. (UP 9/8/92, SJV)

S00002/02--S-B600-RU--SWMB development of a sunken barge; Chart 96ft Wk in Lat. 40°59'50.99", Long. 73°26'29.16" (RES 8/09/07).

Survey Summary

Survey Position: 40° 59' 51.0" N, 073° 26' 29.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072974 00001(022600011D0E0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item is duplicated by AWOIS item 7746. Item 7746 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072764 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072974 00001	1.34	206.4	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update the AWOIS database. Wreck was observed in this location.

COMPILE: AWOIS item 12630 is a duplicate of AWOIS item 7746. Delete duplicate AWOIS database entry for item 12630.

1.29) AWOIS 7757

Survey Summary

Survey Position: 40° 59' 51.2" N, 073° 26' 06.7" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072875 00001(022600011CAB0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS items 7757 and 12634 are the same item. 12634 is more recent.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12634	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072875 00001	6.51	244.7	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update the AWOIS database. Wreck located approximately 12m to the SW.

COMPILE: AWOIS item 7757 is a duplicate of AWOIS item 12634. Delete duplicate AWOIS database entry for item 7757.

1.30) AWOIS 7758

Survey Summary

Survey Position: 40° 59' 51.3" N, 073° 25' 44.3" W
Least Depth: [None]
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072700 00001(022600011BFC0001)

History Notes:

HISTORY
 FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN LAT 40-59-51.33N, LONG 73-25-44.30W WITH AN ESTIMATED LEAST DEPTH OF 91 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90)
 H10354/90-- OPR-B285-AHP; NOT DISPROVED. BROUGHT FORWARD. EVALUATOR RECOMMENDS CHARTING AN ESTIMATED DEPTH. (UP 9/8/92, SJV)

Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No significant items were found in this area. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072700 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update AWOIS database.

COMPILE: AWOIS 7758 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

1.31) AWOIS 7749

Survey Summary

Survey Position: 40° 59' 51.4" N, 073° 25' 40.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072701 00001(022600011BFD0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No significant items were found in this area. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: DISPROVED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 7749	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072701 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN LAT 40-59-51.43N, LONG 73-25-40.93W WITH AN ESTIMATED LEAST DEPTH OF 99FT.; DEPTH WAS ESTIMATED BY SCALING THE HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90)
H10354/90-- OPR-B285-AHP; SHOALER DEPTHS LOCATED IN IMMEDIATE VICINITY. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. DO NOT CHART OBSTRUCTION. (UP 9/8/92, SJV)

S00002/02--S-B600-RU--Contact area was covered by %200 SSS and %100 SWMB and nothing was found. Positioning of this item was accomplished with SSS; hydrographer believes that this AWOIS item is the same physical wreck as AWOIS # 7748. Disproved. (RES 8/7/07).

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update AWOIS database.

COMPILE: AWOIS 7749 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings. AWOIS 7749 is disproved.

1.32) AWOIS 11828

Primary Feature for AWOIS Item #11828

Search Position: 40° 59' 51.9" N, 073° 24' 25.1" W
Historical Depth: 40.84 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40/59/51.87N, LONG. 73-24-25.08W. MULTIBEAM LD OF 41.05 METERS (134.7 FEET) EVALUATOR RECOMMENDS CHARTING A 134WK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 59' 51.6" N, 073° 24' 25.2" W
Least Depth: 43.31 m (= 142.11 ft = 23.685 fm = 23 fm 4.11 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072572 00001(022600011B7C0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Remains of AWOIS item 11828 were found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072572 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11828	9.08	196.1	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, update charted depth.

Cartographically-Rounded Depth (Affected Charts):

142ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

23fm (12300_1, 13006_1, 13003_1)

43m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 43.315 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Delete charted 134ft wreck. Chart AWOIS item 11828, a 142.1ft wreck, in survey position.

Feature Images

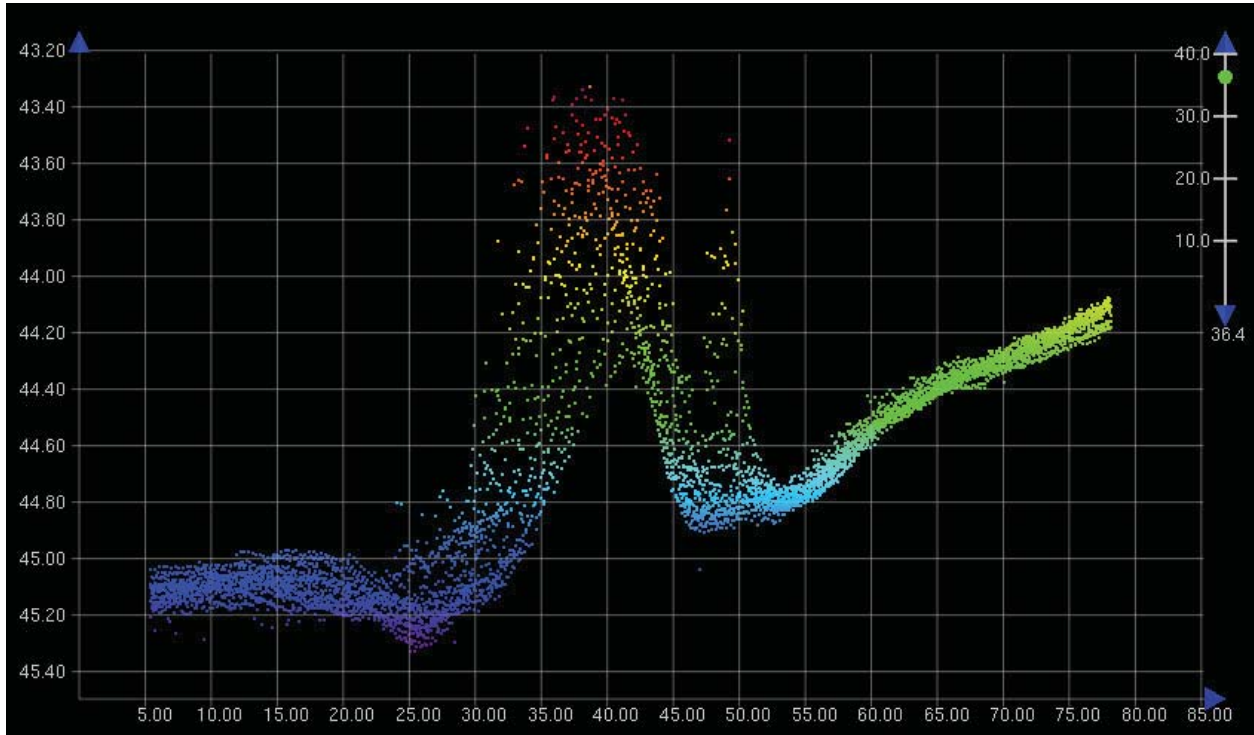


Figure 1.32.1

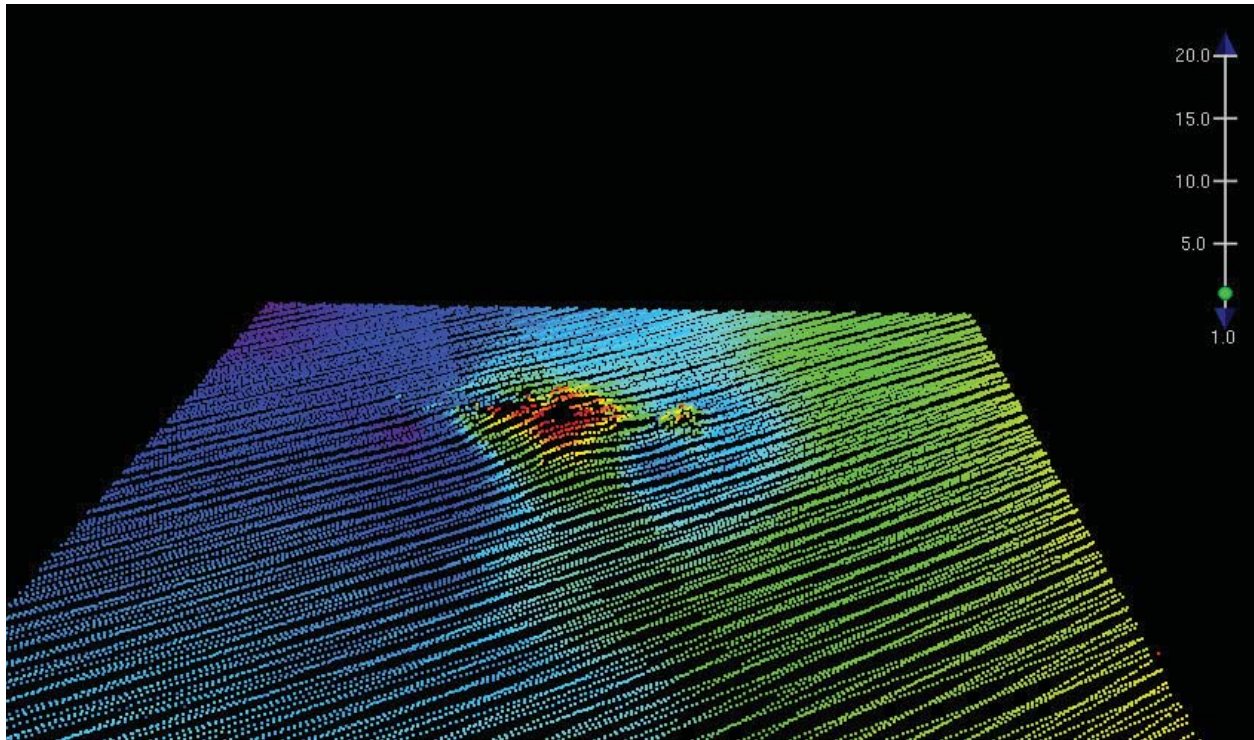


Figure 1.32.2

1.33) AWOIS 12632

Primary Feature for AWOIS Item #12632

Search Position: 40° 59' 51.9" N, 073° 26' 14.7" W
Historical Depth: 30.18 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-51.91N, LONG. 73-26-14.95W. MB LD OF 100 FEET (30.75 METERS).(ENT 11/10/04, SJV)

S00002/02--S-B600-RU--Sunken barge developed by multibeam, updated GPs, and changed depth from 100ft to 99ft; not charted, numerous sunken wrecks in area (RES 9/21/07).

Survey Summary

Survey Position: 40° 59' 51.8" N, 073° 26' 14.5" W
Least Depth: 30.77 m (= 100.96 ft = 16.826 fm = 16 fm 4.96 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072852 00001(022600011C940001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12632 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072852 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12632	5.21	127.2	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

101ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

31m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 30.772 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Awois 12632 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

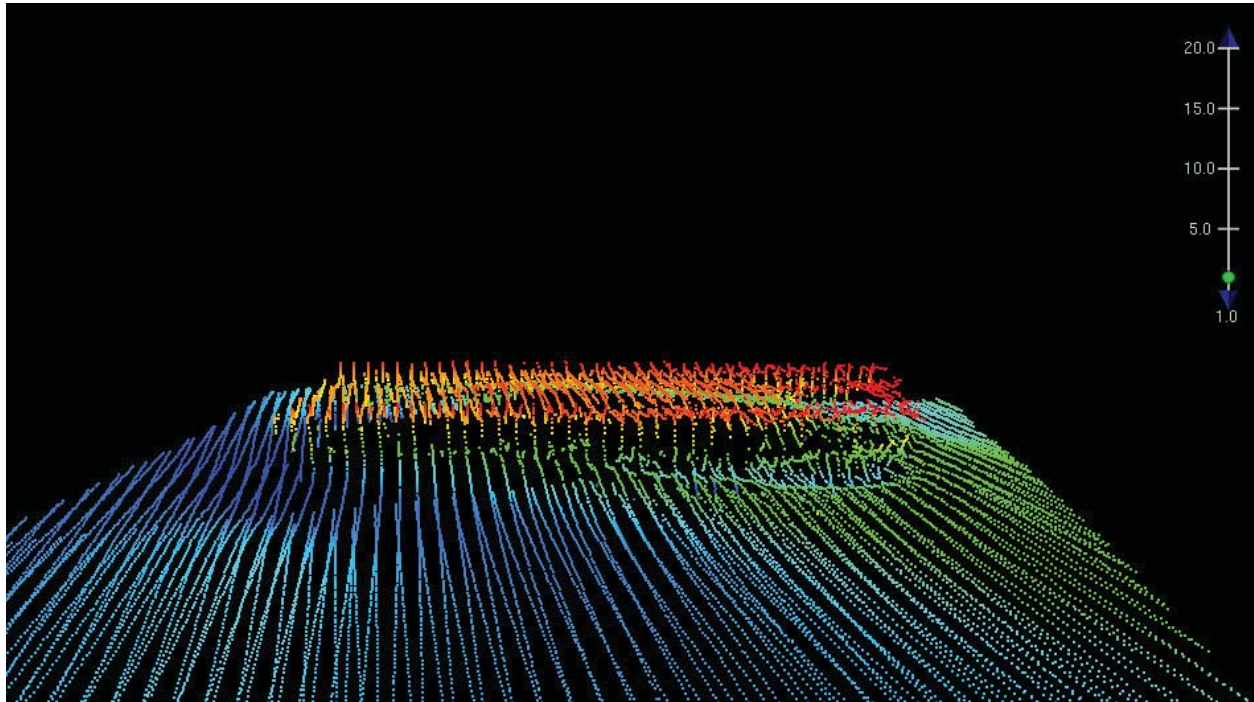


Figure 1.33.1

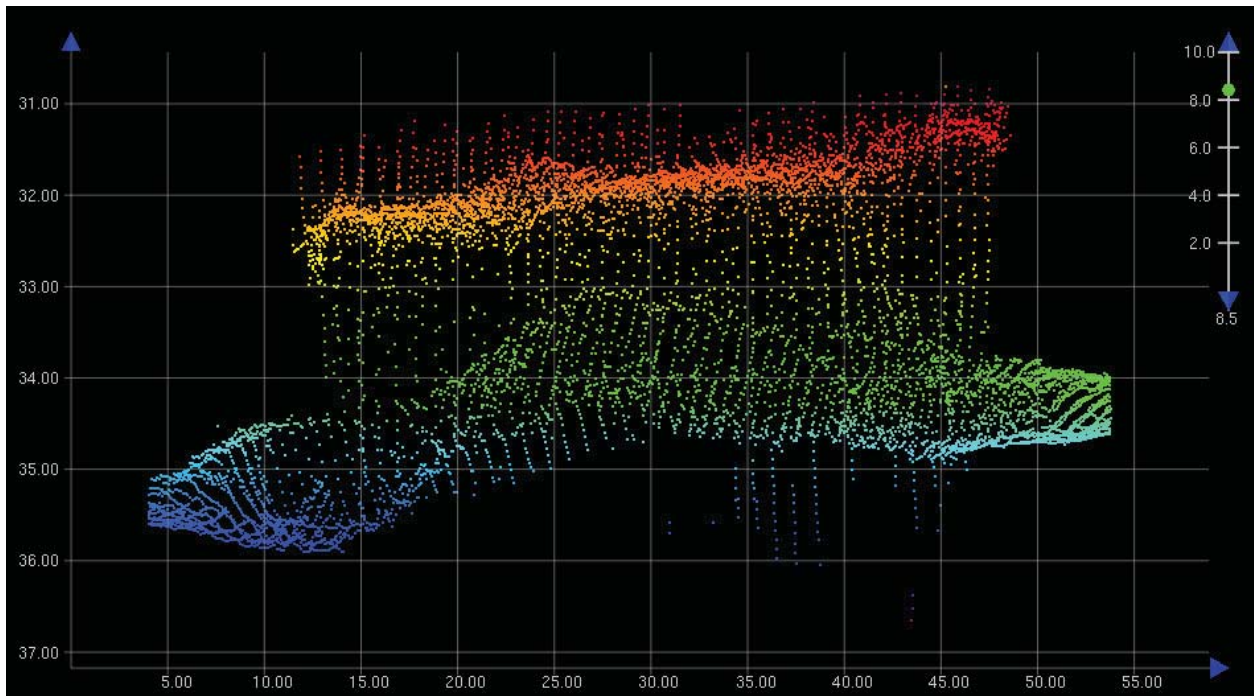


Figure 1.33.2

1.34) AWOIS 12646

Primary Feature for AWOIS Item #12646

Search Position: 40° 59' 51.9" N, 073° 25' 48.3" W
Historical Depth: 29.87 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-51.88N, LONG. 73-25-48.50W. MB LD OF 100 FEET (30.58 METERS). (ENT 11/10/04,SJV)

S00002/02--S-B600-RU--SWMB development of barge Strange boat shaped impression on top of barge; change from 100ft to 98ft and updated GP; not charted, numerous sunken wrecks in region (RES 9/20/07).

Survey Summary

Survey Position: 40° 59' 51.9" N, 073° 25' 48.6" W
Least Depth: 29.67 m (= 97.35 ft = 16.225 fm = 16 fm 1.35 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072856 00001(022600011C980001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12644 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072856 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12646	6.21	274.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

97ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

30m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 29.672 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS12646 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

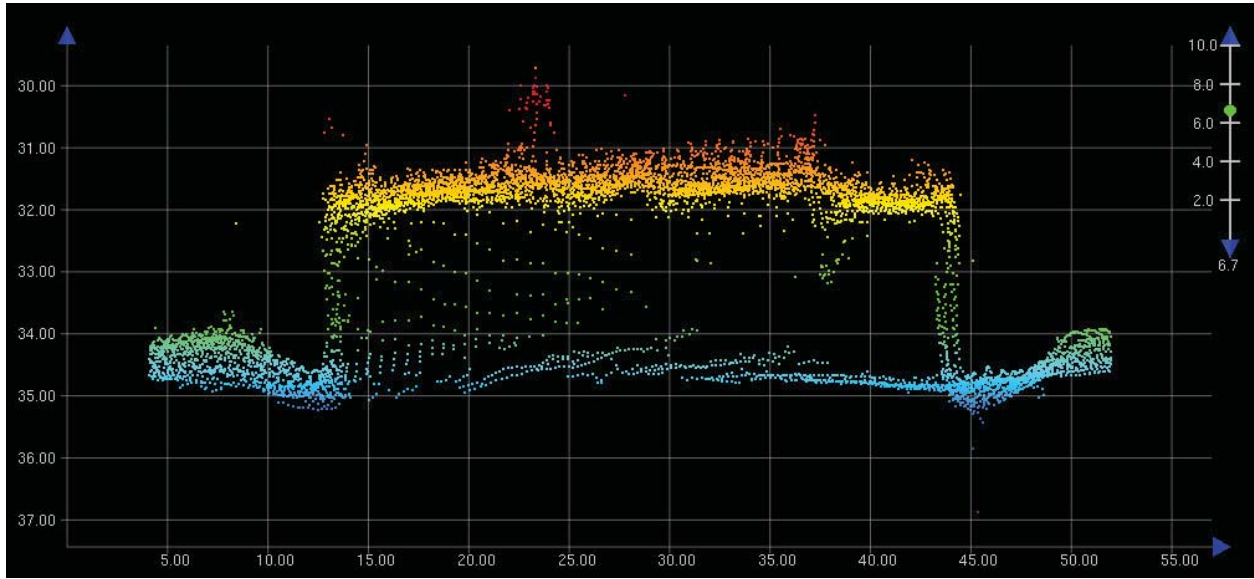


Figure 1.34.1

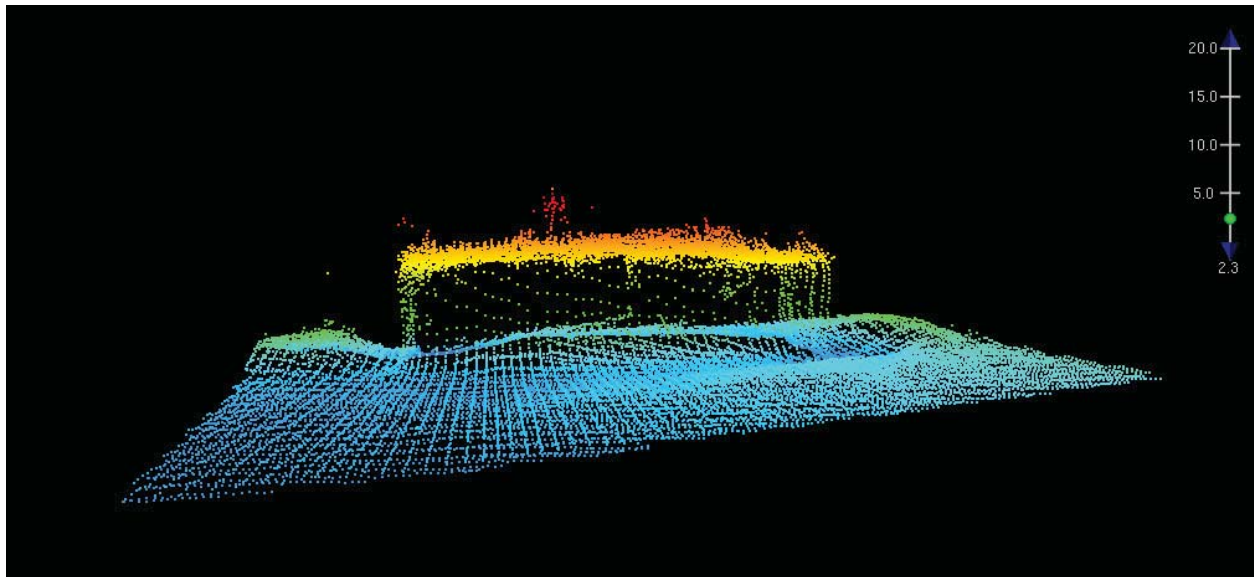


Figure 1.34.2

1.35) AWOIS 12691

Survey Summary

Survey Position: 40° 59' 52.2" N, 073° 25' 16.5" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072555 00001(022600011B6B0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: A mound was found in this area, however it does not resemble a wreck and it is not hydrographically significant. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12691	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072555 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-52.22N, LONG. 73-25-16.47W. MB LD OF 102.62 FEET (31.28 METERS). (ENT 11/12/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Resolution of MB does not enable an accurate interpretation. Appears to resemble a benthic mound. Chart survey depths. Recommend to update AWOIS database.

COMPILE: AWOIS 12691 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

1.36) AWOIS 7756

Survey Summary

Survey Position: 40° 59' 52.3" N, 073° 26' 09.7" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072851 00001(022600011C930001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 7756 and 12731 are the same feature. 12731 is more recent.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12731	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072851 00001	6.76	022.7	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Wreck located approximately 61m to the NNE. Recommend to update AWOIS database.

COMPILE: AWOIS item 7756 is a duplicate of AWOIS item 12731. Delete duplicate AWOIS database entry for item 7756. No charting action. Update AWOIS database item 7756, a duplicate feature.

1.37) AWOIS 11830

Primary Feature for AWOIS Item #11830

Search Position: 40° 59' 52.3" N, 073° 24' 51.1" W
Historical Depth: 32.92 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-52.32N, LONG. 73-24-51.13W. MULTIBEAM LD OF 33.58 METERS (110 FEET). EVALUATOR RECOMMENDS CHARTING A 108WK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 59' 52.3" N, 073° 24' 51.1" W
Least Depth: 33.36 m (= 109.45 ft = 18.241 fm = 18 fm 1.45 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072551 00001(022600011B670001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

OBSTRN/remrks: AWOIS 11830 is charted as a wreck. The overall shape of this obstruction does not suggest a wreck. Item was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072551 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11830	0.96	104.8	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB to reflect change from wreck to obstn. Update chart to reflect change from wreck to obstn.

Cartographically-Rounded Depth (Affected Charts):

109ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: NINFOM - Chart obstruction
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
VALSOU - 33.359 m
WATLEV - 1:partly submerged at high water

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Concur with field unit; feature does not resemble a wreck. Revise to OBSTRN.

COMPILE: Delete charted 108ft wreck. Chart AWOIS 11830, a 109.4ft obstruction, at survey position. Update AWOIS database item 11830 from a wreck to an obstruction.

Feature Images

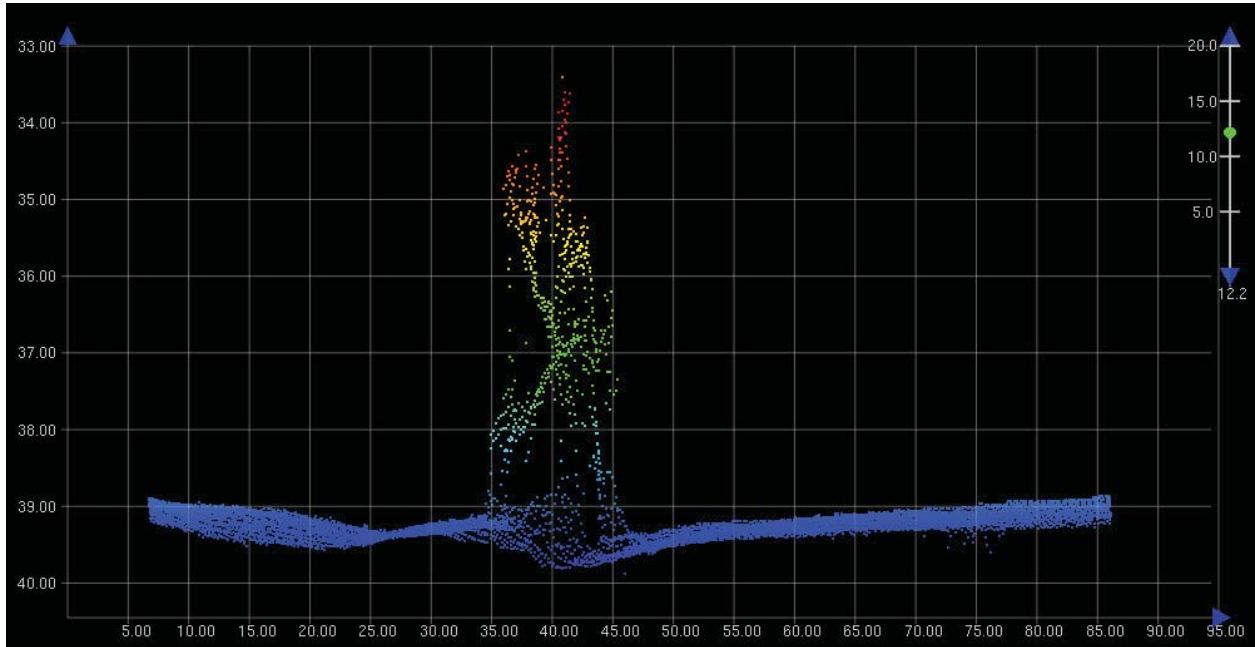


Figure 1.37.1

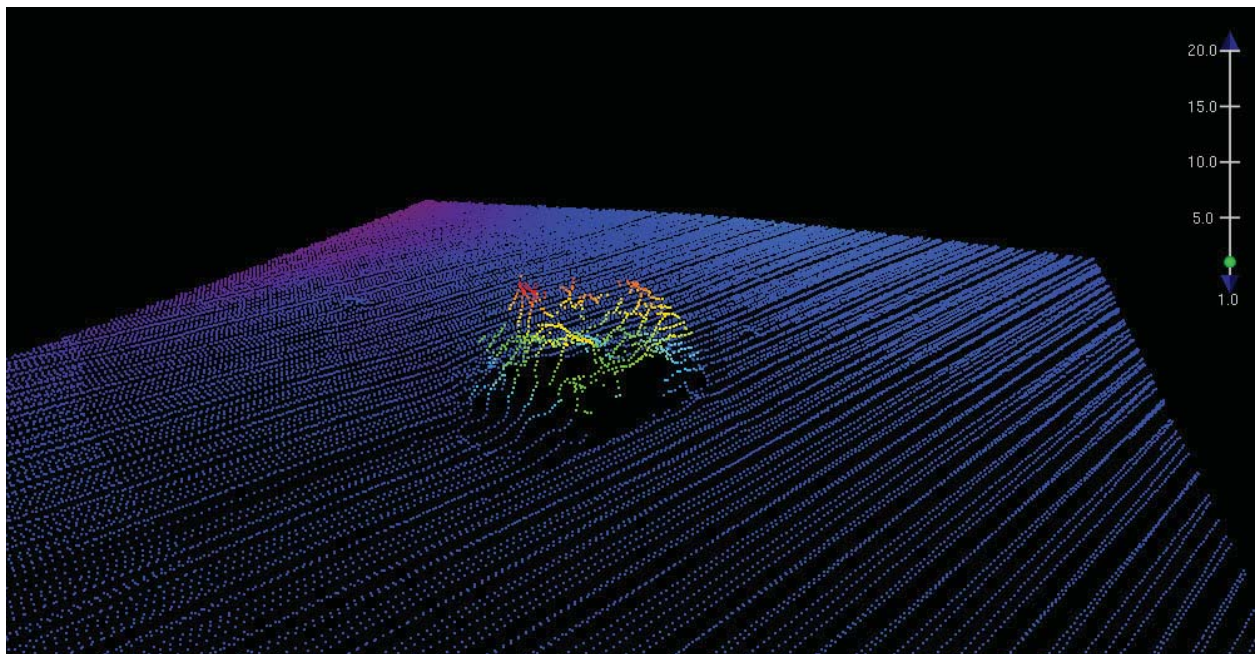


Figure 1.37.2

1.38) AWOIS 12731**Survey Summary**

Survey Position: 40° 59' 52.5" N, 073° 26' 09.0" W

Least Depth: 32.72 m (= 107.36 ft = 17.893 fm = 17 fm 5.36 ft)

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

Timestamp: 2012-271.00:00:00.000 (09/27/2012)

Dataset: H12412_AWOIS.000

FOID: US 0000072753 00001(022600011C310001)

History Notes:
 HISTORY
 H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-52.49N, LONG. 73-26-09.59W. MB LD OF 106.76 FEET (32.54 METERS). (ENT 11/16/04, SJV)

Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Silted over remains of AWOIS item 12731 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072753 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

107ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 32.723 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant.

COMPILE: AWOIS item 12731 is duplicated by AWOIS item 7756. It is recommended that Item 7756 is deleted from the AWOIS database. AWOIS 12731 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

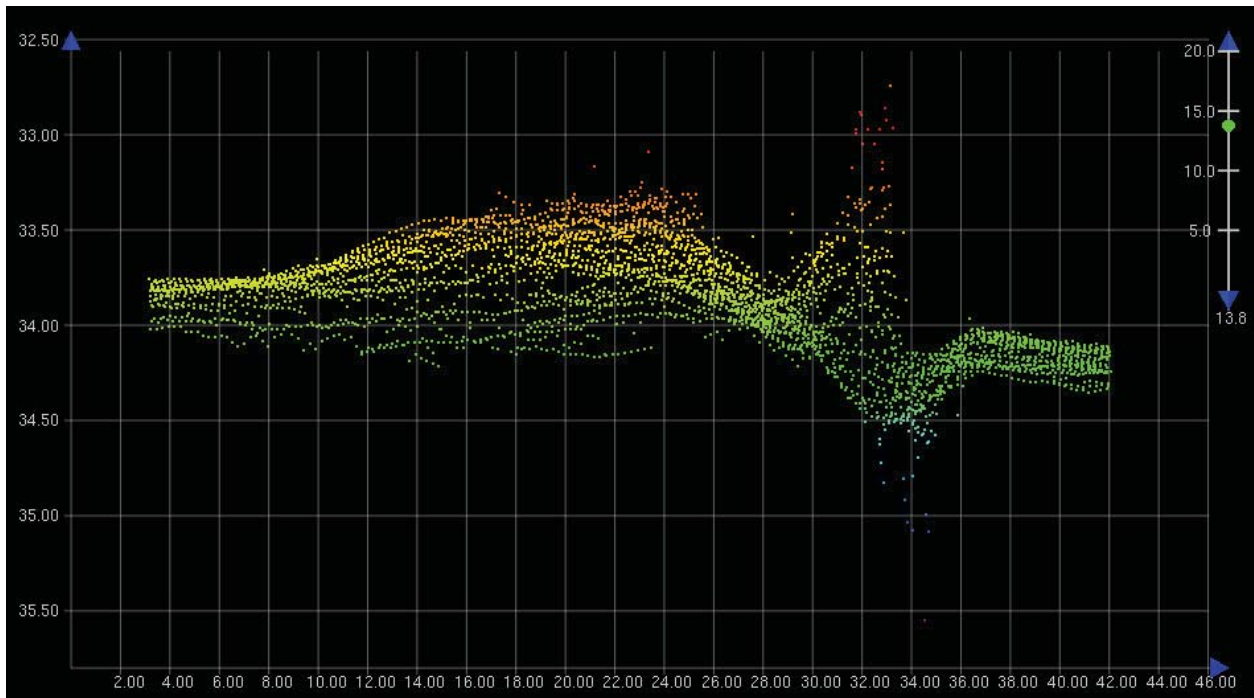


Figure 1.38.1

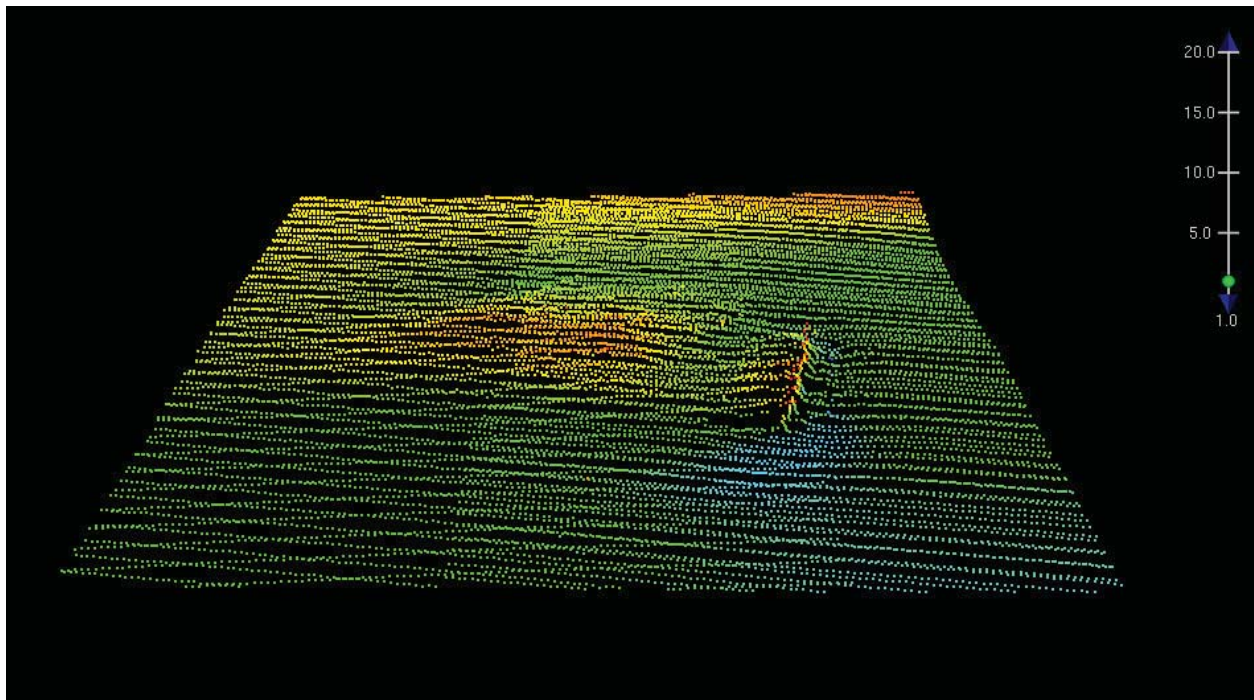


Figure 1.38.2

1.39) AWOIS 7760**Survey Summary**

Survey Position: 40° 59' 52.6" N, 073° 26' 07.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ;TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072877 00001(022600011CAD0001)

History Notes:**HISTORY**

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN LAT 40-59-53.44N, LONG 73-26-07.43W WITH AN ESTIMATED LEAST DEPTH OF 100 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90)
H10354/90-- OPR-B285-AHP; SHOALER DEPTHS LOCATED IN IMMEDIATE VICINITY. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. DO NOT CHART OBSTRUCTION. (UP 9/8/92, SJV)
S00002/02--S-B600-RU--SWMB development of barge; There are two uncharted AWOIS items (7756 and 7757) that lie in the direct vicinity of this sunken barge.Delete 101ft Wk in Lat. 40°59'53.44", Long. 73°26'07.43", Chart 100ft Wks in Lat. 40°59'52.84", Long. 73°26'07.56" (RES 8/09/07).

Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: Shoalest depth on this feature is more than 2mm at survey scale away. There are also two AWOIS records, and the other is near the shoalest depth.

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 7760	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072877 00001	8.71	358.9	Secondary (grouped)

Hydrographer Recommendations

Remove this item from the AWOIS DB and chart.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Delete wreck
NTXTDS - ENC US5CN11M,ED24,Update 3
SORDAT - 20120927
SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. A wreck was located approximately 37m to the NNW. Recommend to update AWOIS database.

COMPILE: Delete charted 100ft wreck. Consider Item disproved. Update area based on present survey findings. Update AWOIS database for AWOIS item 7760.

1.40) AWOIS 12677

Survey Summary

Survey Position: 40° 59' 53.2" N, 073° 25' 32.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072703 00001(022600011BFF0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No wreck was found in this area. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12677	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072703 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-53.21N, LONG. 73-25-32.33W. MB LD OF 115 FEET (35.08 METERS). (ENT 11/12/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update AWOIS database.

COMPILE: AWOIS 12677 is uncharted and within charted caution area. No charting action. Consider item disproved. Update AWOIS database with present survey findings.

1.41) AWOIS 12650

Survey Summary

Survey Position: 40° 59' 53.8" N, 073° 25' 44.0" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072695 00001(022600011BF70001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 12650 is duplicated by AWOIS item 11374.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 11374	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072695 00001	7.12	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS database. Survey located 93ft Wreck.

COMPILE: AWOIS item 12650 is a duplicate of AWOIS item 11374. Delete duplicate AWOIS database entry for item 12650. No charting action.

1.42) AWOIS 12633

Primary Feature for AWOIS Item #12633

Search Position: 40° 59' 53.9" N, 073° 26' 08.2" W
Historical Depth: 31.09 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-53.87N, LONG. 73-26-08.18W. MB LD OF 102 FEET (31.08 METERS). (ENT 11/10/04, SJV)

Survey Summary

Survey Position: 40° 59' 54.0" N, 073° 26' 08.1" W
Least Depth: 31.31 m (= 102.74 ft = 17.123 fm = 17 fm 0.74 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072596 00001(022600011B940001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12633 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072596 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12633	2.96	026.1	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, chart a non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

102ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

31m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 31.314 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12633 is uncharted and within charted caution area. It is recommended a 102.7ft wrecks is charted in the present survey position to represent the group of wrecks in the area.

Feature Images

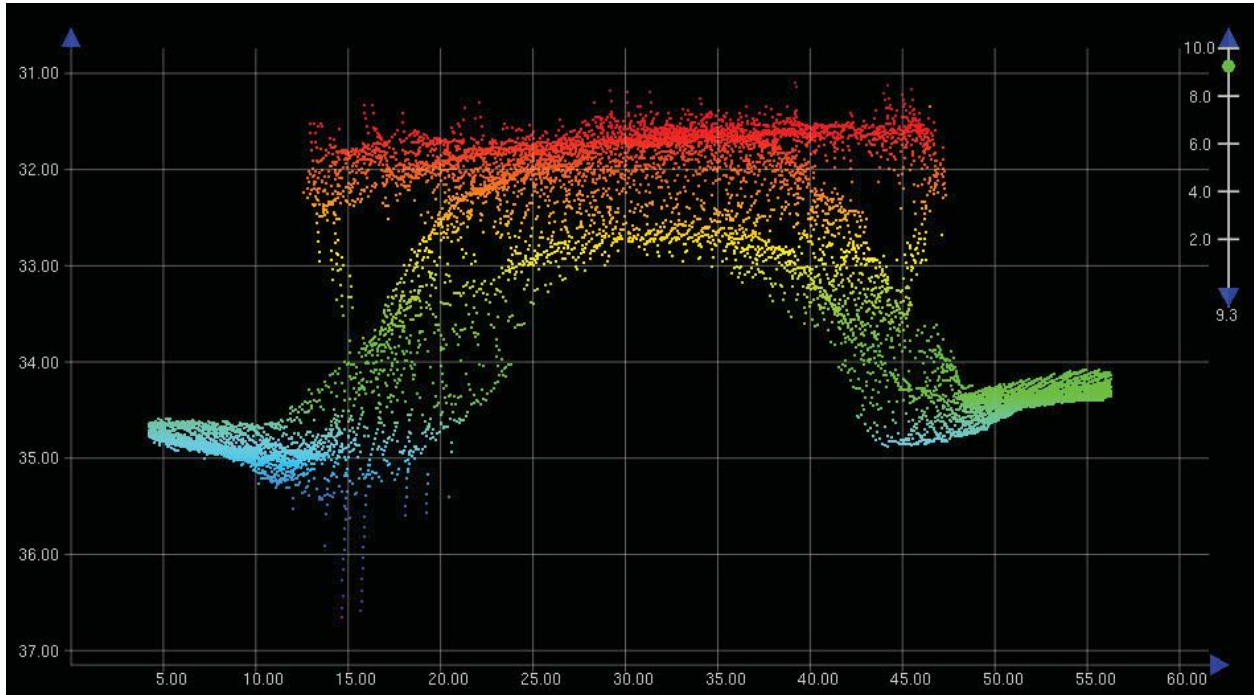


Figure 1.42.1

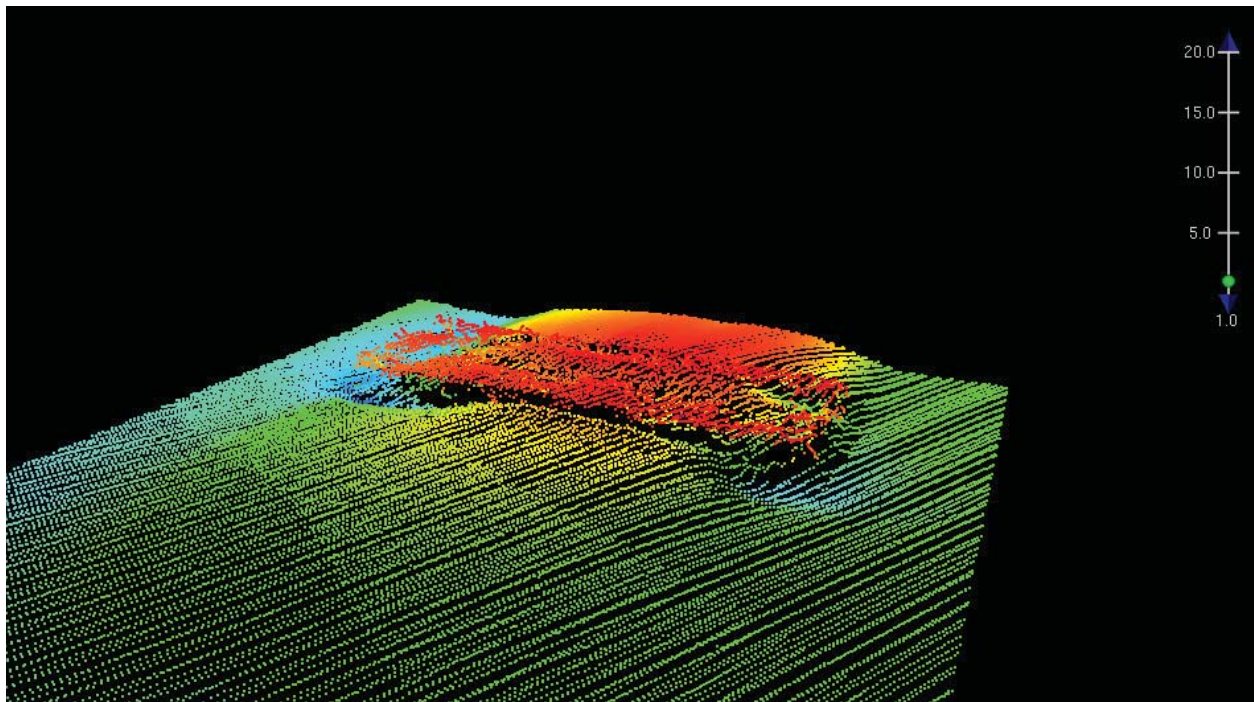


Figure 1.42.2

1.43) AWOIS 11374

Survey Summary

Survey Position: 40° 59' 53.9" N, 073° 25' 43.9" W
Least Depth: 27.84m (= 91.35 ft = 15.505 fm = 15 fm 3.03 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072704 00001(022600011C000001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11374 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072704 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update AWOIS DB, Update charted depth.

Cartographically-Rounded Depth (Affected Charts):

91ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

15fm (12300_1, 13006_1, 13003_1)

28m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wrecks
 QUASOU - 6:least depth known
 SORDAT - 20120927

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.89657N, LONG 73-25.73257W (NAD 83) WITH A LEAST DEPTH OF 27.48 METERS (90.0 FEET) CHARTED AS 90 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB development - Power boat. Delete 90ft Wk in Lat. 40°59'53.79", Long. 73°25'43.95", Chart 89ft Wk in Lat. 40°59'54.02", Long. 73°25'43.95" (RES 8/09/07).

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 27.84 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: AWOIS item 11374 is duplicated by AWOIS item 12650. It is recommended that Item 12650 is deleted from the AWOIS database. It is further recommended the charted 89ft wreck is deleted from the chart and the chart is updated with a 91.35 ft non-dangerous wrecks at survey position

Feature Images

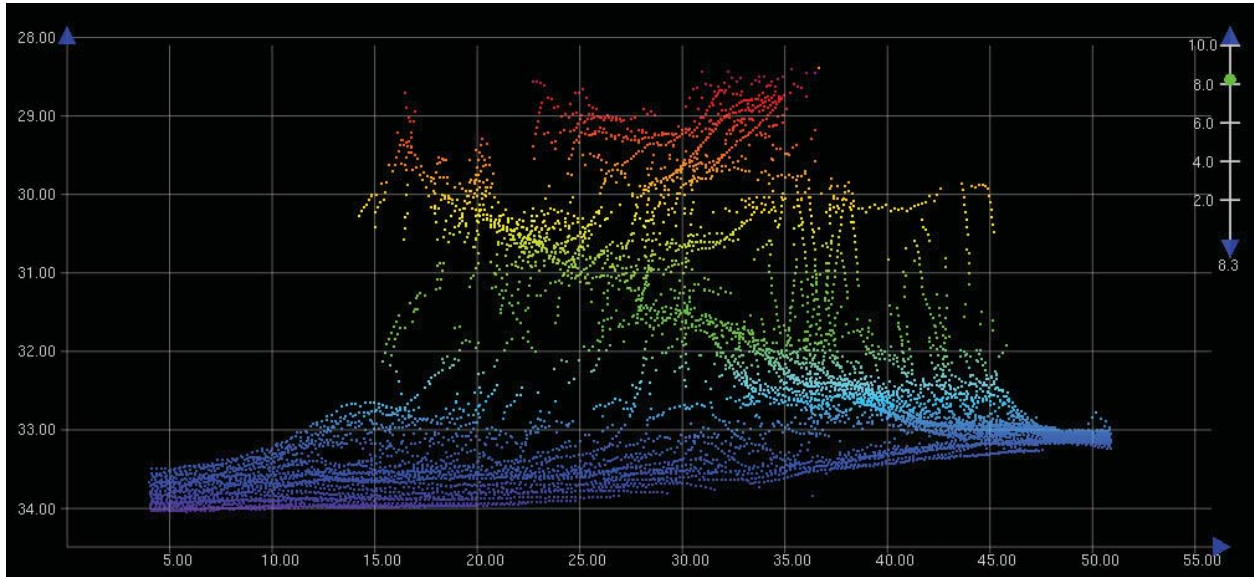


Figure 1.43.1

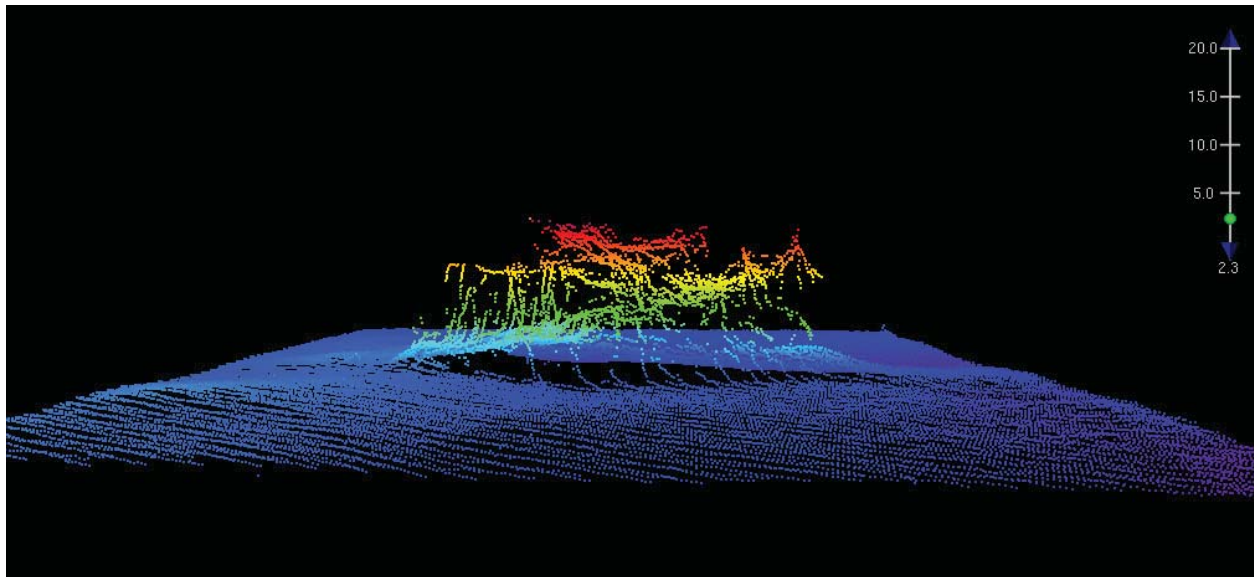


Figure 1.43.2

1.44) AWOIS 12686

Primary Feature for AWOIS Item #12686

Search Position: 40° 59' 55.0" N, 073° 25' 00.8" W
Historical Depth: 35.97 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-54.98N, LONG. 73-25-00.28W. MB LD OF 118 FEET (36.01 METERS). (ENT 11/12/04, SJV)

Survey Summary

Survey Position: 40° 59' 55.0" N, 073° 25' 00.8" W
Least Depth: 36.33 m (= 119.18 ft = 19.864 fm = 19 fm 5.18 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072559 00001(022600011B6F0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item was found. However, wreck is silted over and is not significant.

WRECKS/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072559 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12686	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

119ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

20fm (12300_1, 13006_1, 13003_1)

36m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
NINFOM - No action
QUASOU - 1:depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
VALSOU - 36.327 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant; feature rises above the sea floor approximately 1m. Defer to cartographer for final chart exposition. Recommend to update the AWOIS database.

COMPILE: AWOIS Item 12686 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

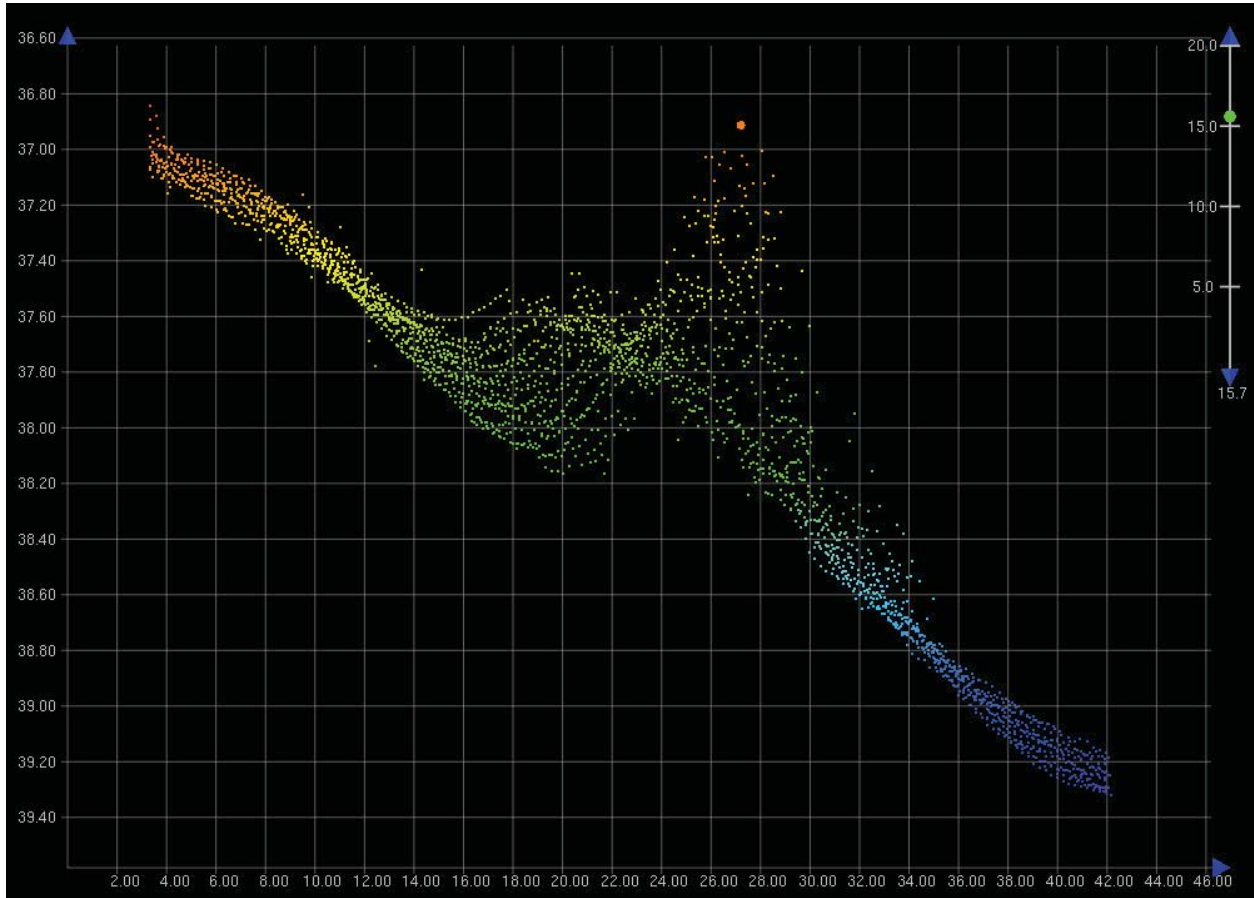


Figure 1.44.1

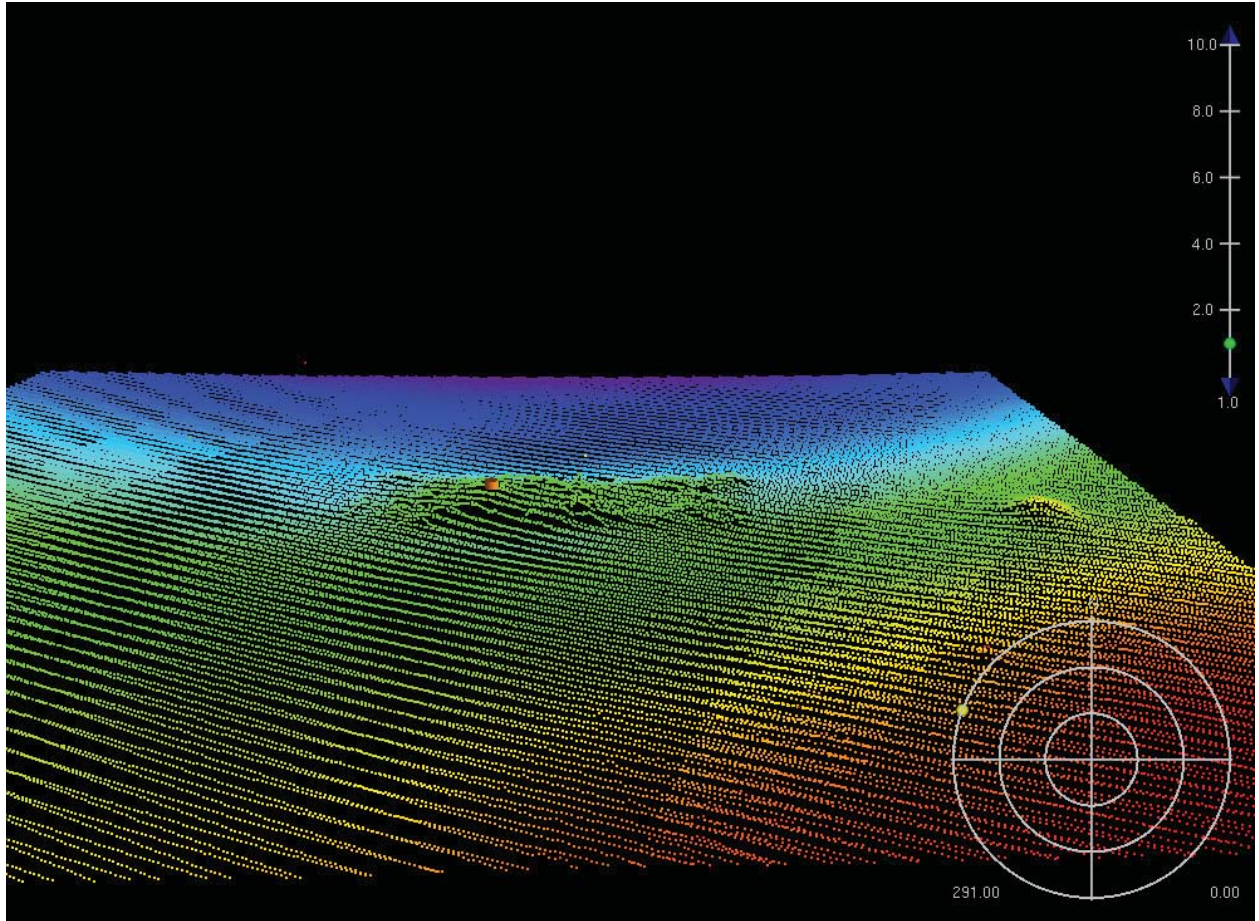


Figure 1.44.2

1.45) AWOIS 12625

Survey Summary

Survey Position: 40° 59' 55.2" N, 073° 26' 40.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072745 00001(022600011C290001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 12625 was investigated with complete Reson 7125 MBES. Nothing of significance was found in this area.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFORMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12625	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072745 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Delete from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-55.15N, LONG. 73-26-40.85W. MB LD OF 96.75 FEET (29.49 METERS). (ENT 11/10/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of a wreck was observed with this feature. Data is interpreted as irregular sea floor. It could have been a wreck, but appears deteriorated and eroded. This feature is considered disproved. Recommend to update AWOIS database. Chart survey depths.

COMPILE: AWOIS 12625 is uncharted and within charted caution area. No charting action. Item is considered disproved by present survey data. Update AWOIS database to reflect present survey findings.

1.46) AWOIS 12687

Primary Feature for AWOIS Item #12687

Search Position: 40° 59' 54.9" N, 073° 24' 56.1" W
Historical Depth: 36.27 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-54.95N, LONG. 73-24-56.08W. MB LD OF 119 FEET (36.36.METERS). (ENT 11/12/04, SJV)

Survey Summary

Survey Position: 40° 59' 55.4" N, 073° 24' 55.9" W
Least Depth: 36.90 m (= 121.07 ft = 20.178 fm = 20 fm 1.07 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072722 00001(022600011C120001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072722 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12687	13.22	015.8	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS db. Leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

121ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

20fm (12300_1, 13006_1, 13003_1)

37m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 36.902 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12687 is uncharted and within charted caution area. It is recommended AWOIS 12687 is charted as 121.07ft non-dangerous wrecks in the present survey position to represent a group of uncharted wrecks.

Feature Images

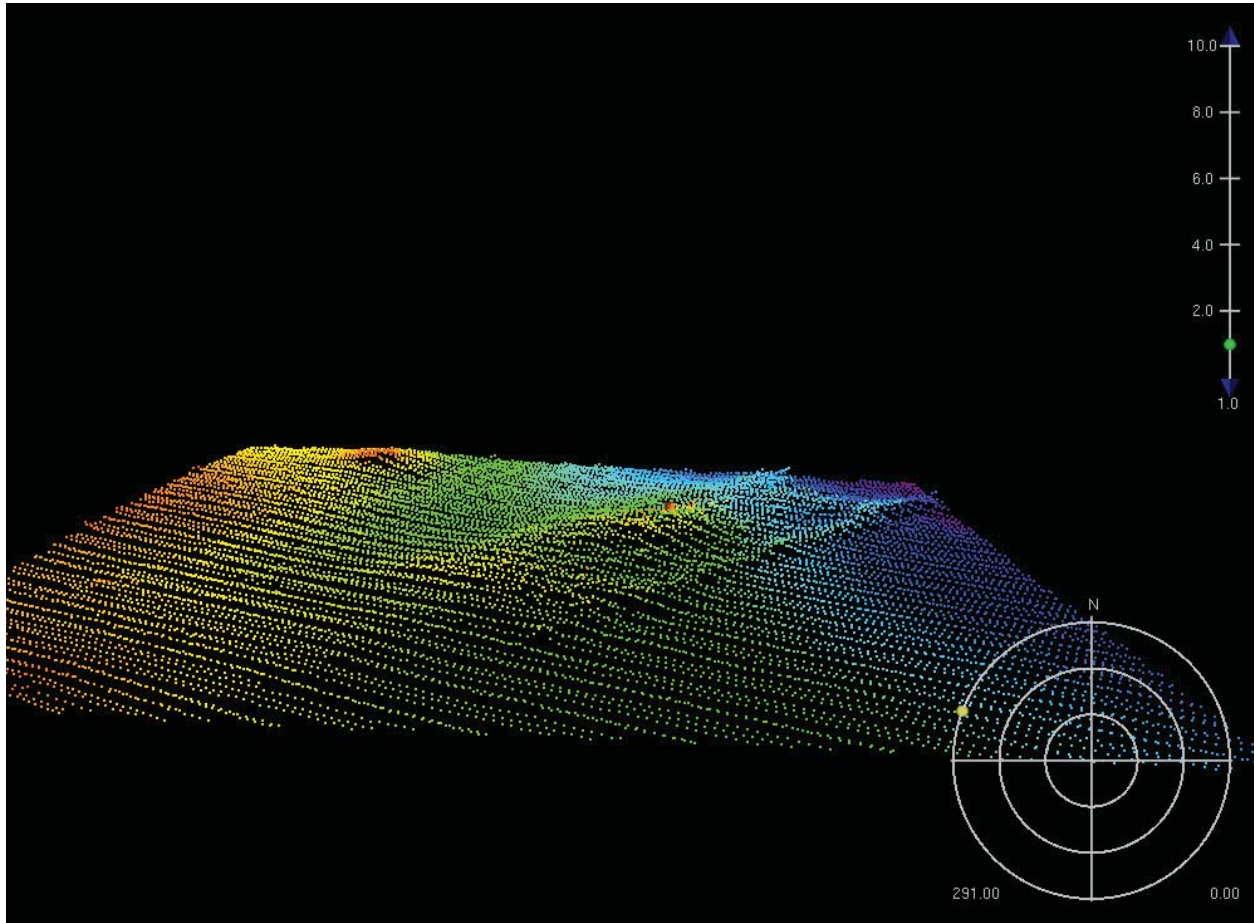


Figure 1.46.1

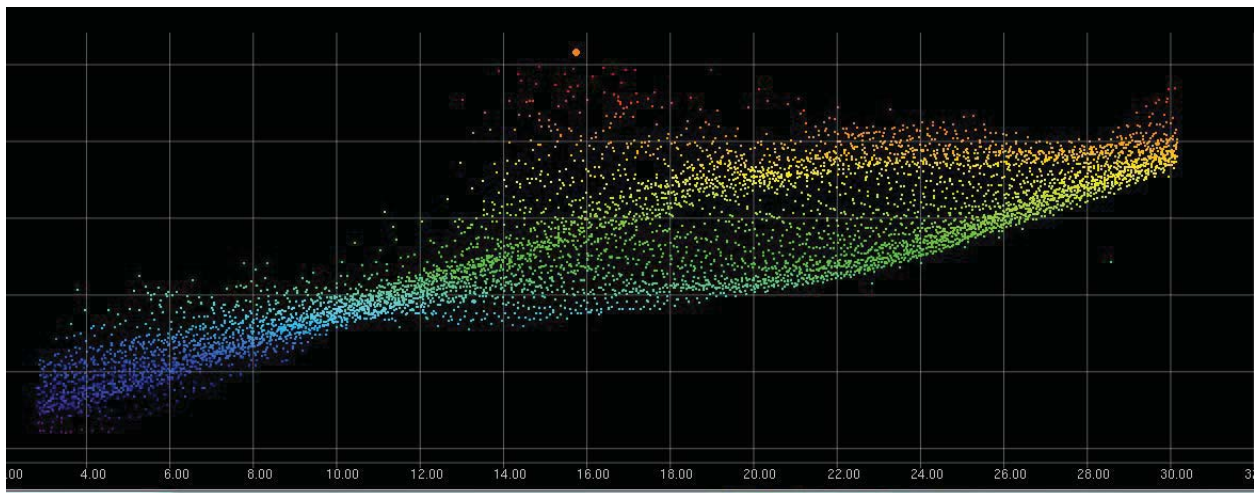


Figure 1.46.2

1.47) AWOIS 12710

Primary Feature for AWOIS Item #12710

Search Position: 40° 59' 56.2" N, 073° 24' 30.6" W
Historical Depth: 45.31 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-56.20N, LONG. 73-24-30.60W. MB LD OF 148.65 FEET (45.31 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 40° 59' 56.2" N, 073° 24' 30.8" W
Least Depth: 45.02 m (= 147.71 ft = 24.618 fm = 24 fm 3.71 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072560 00001(022600011B700001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Remains of AWOIS item 127120 were found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

WRECKS/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072560 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12710	5.04	267.9	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

147ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

24fm (12300_1, 13006_1, 13003_1)

45m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 45.022 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12710 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

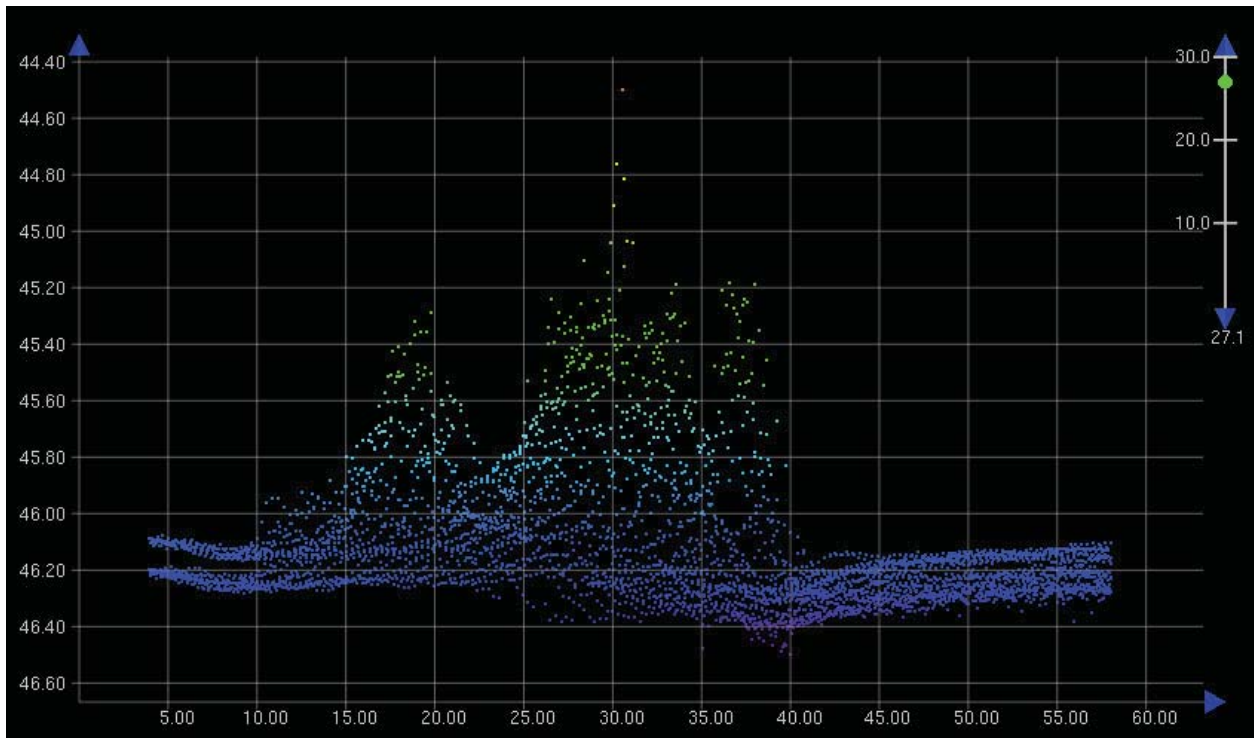


Figure 1.47.1

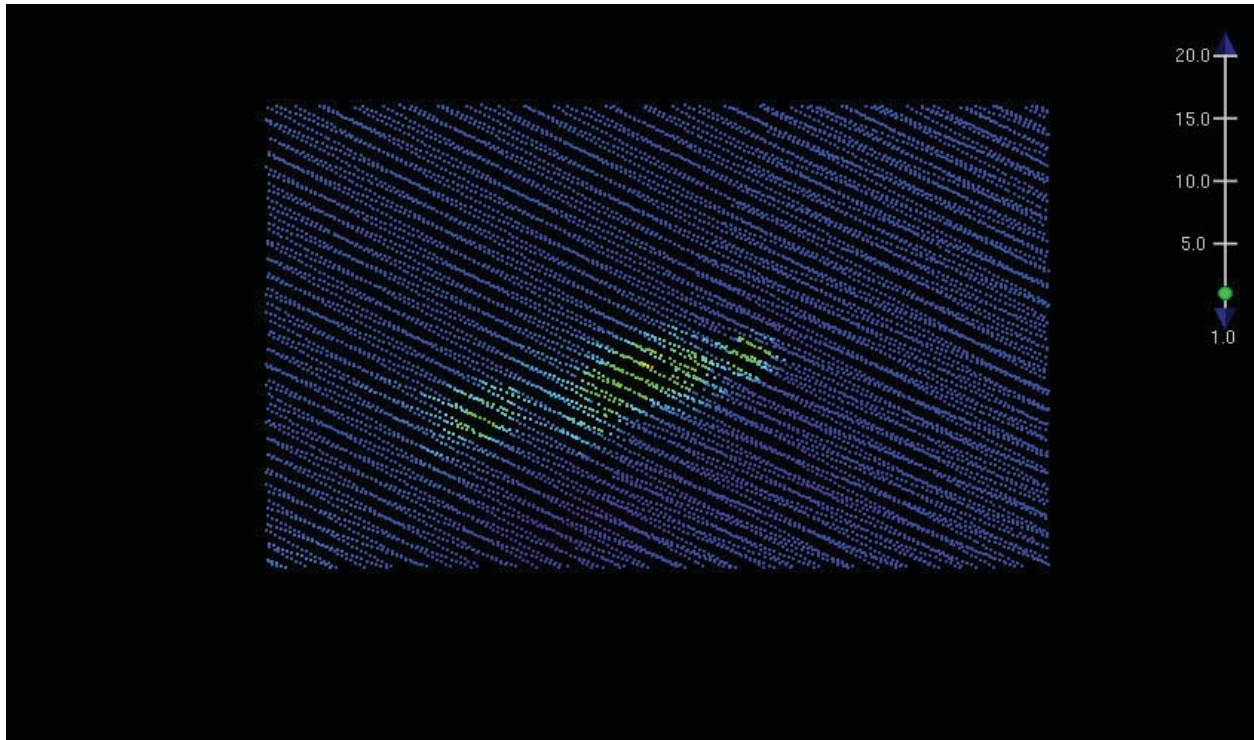


Figure 1.47.2

1.48) AWOIS 12649

Survey Summary

Survey Position: 40° 59' 58.0" N, 073° 25' 10.9" W
Least Depth: 31.65 m (= 103.83 ft = 17.305 fm = 17 fm 1.83 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072554 00001(022600011B6A0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12649 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072554 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072552 00001	3.80	112.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, update charted depth.

Cartographically-Rounded Depth (Affected Charts):

104ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 31.648 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS item 12649 is duplicated by AWOIS item 11534. It is recommended that Item 11534 is deleted from the AWOIS database. It is further recommended the charted 104ft wreck is deleted from the chart and the chart is updated with a 103.8ft wreck at survey position.

Feature Images

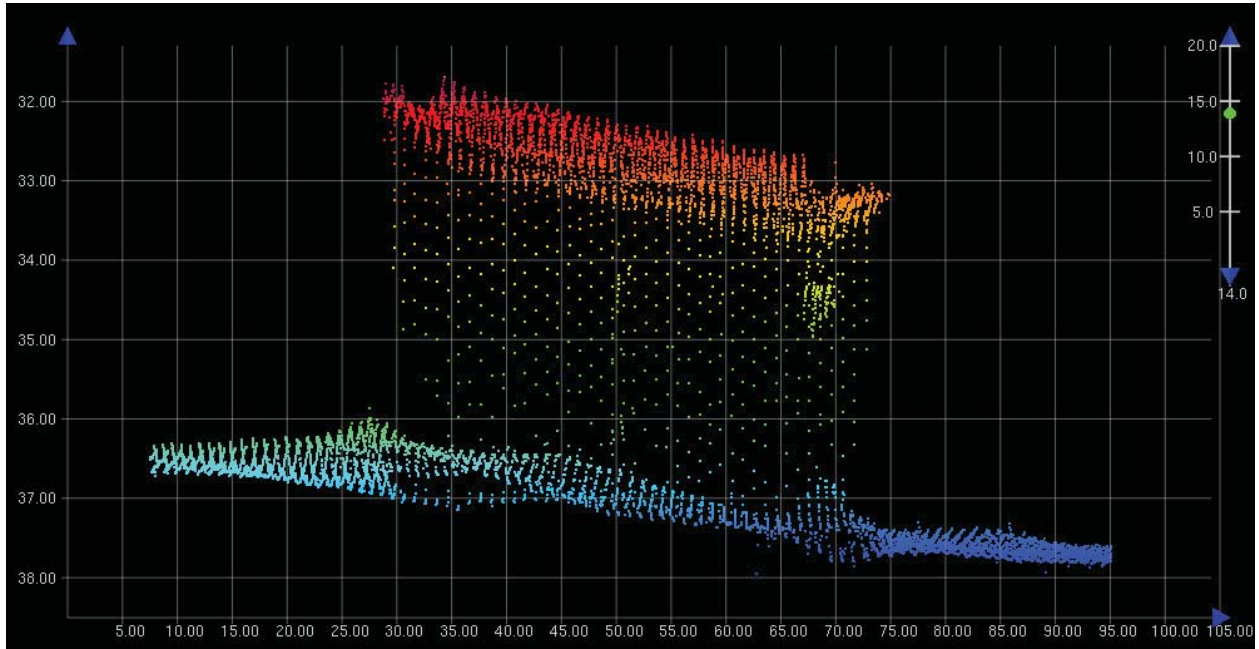


Figure 1.48.1

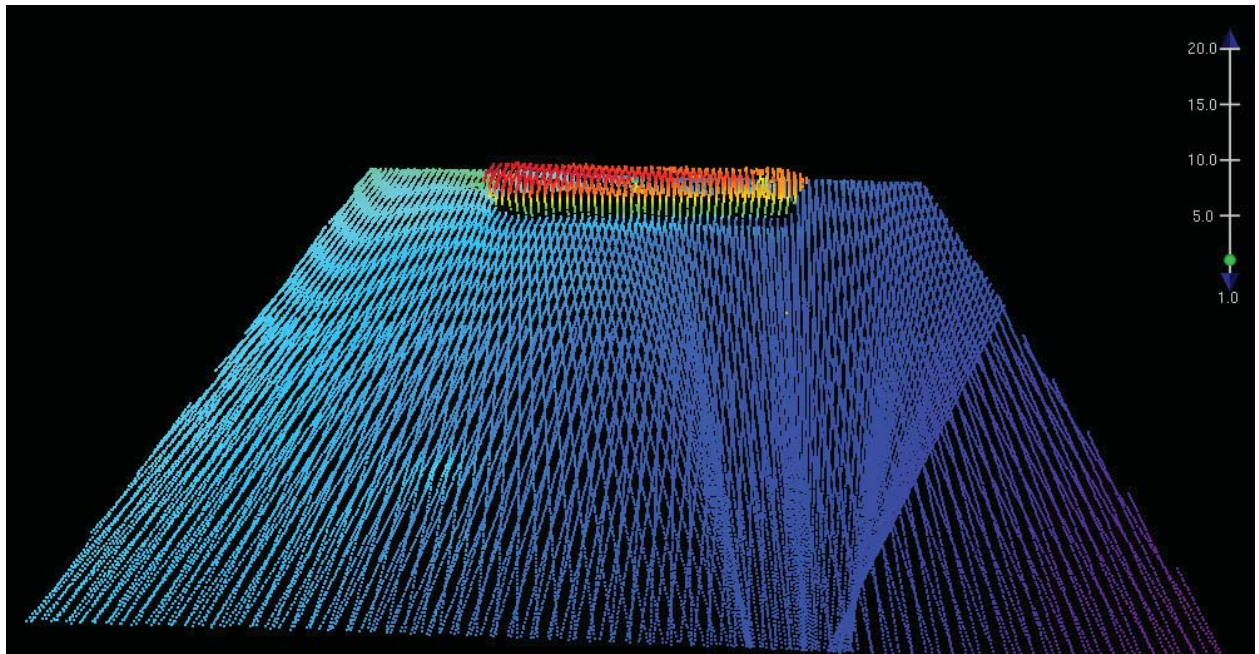


Figure 1.48.2

1.49) AWOIS 11534

Primary Feature for AWOIS Item #12649

Search Position: 40° 59' 58.0" N, 073° 25' 10.9" W
Historical Depth: 31.70 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-58.01N, LONG. 73-25-10.94W. MB LD OF 104 FEET (31.67 METERS). ENT 11/10/04, SJV)

Survey Summary

Survey Position: 40° 59' 58.1" N, 073° 25' 11.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072552 00001(022600011B680001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: There are two identical entries in the AWOIS DB from the same survey at this location.

\$CSYMB/invreq: Type: WRECK, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072554 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072552 00001	3.80	112.0	Secondary (grouped)

Hydrographer Recommendations

Remove AWOIS item 11534 from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
NTXTDS - ENC US5CN11M,ED24,Update 3
SORDAT - 20120927
SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: Recommend to update AWOIS database. Defer to cartographer for final chart exposition. Survey documents 104ft wreck.

COMPILE: AWOIS item 11534 is a duplicate of AWOIS item 12649. Delete duplicate AWOIS database entry for item 11534.

1.50) AWOIS 12674

Survey Summary

Survey Position: 40° 59' 58.1" N, 073° 25' 55.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072853 00001(022600011C950001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No evidence of a wreck were found in this area. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12674	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072853 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-58.14N, LONG. 73-25-55.80W. MB LD OF 104 FEET (31.8 METERS). (ENT 11/12/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update AWOIS database.

COMPILE: AWOIS 12674 is uncharted and within charted caution area. No charting action. Item is considered disproved by present survey. Update AWOIS database with present survey findings.

1.51) AWOIS 14091

Primary Feature for AWOIS Item #14091

Search Position: 40° 59' 58.1" N, 073° 25' 24.6" W
Historical Depth: 32.00 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--SWMB development of a deteriorated shipwreck; not charted, numerous sunken wrecks in area (RES 9/21/07).

Survey Summary

Survey Position: 40° 59' 58.2" N, 073° 25' 24.8" W
Least Depth: 31.90 m (= 104.65 ft = 17.441 fm = 17 fm 2.65 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072699 00001(022600011BFB0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 14091 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072699 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14091	5.91	296.5	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

104ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 31.896 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 14091 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

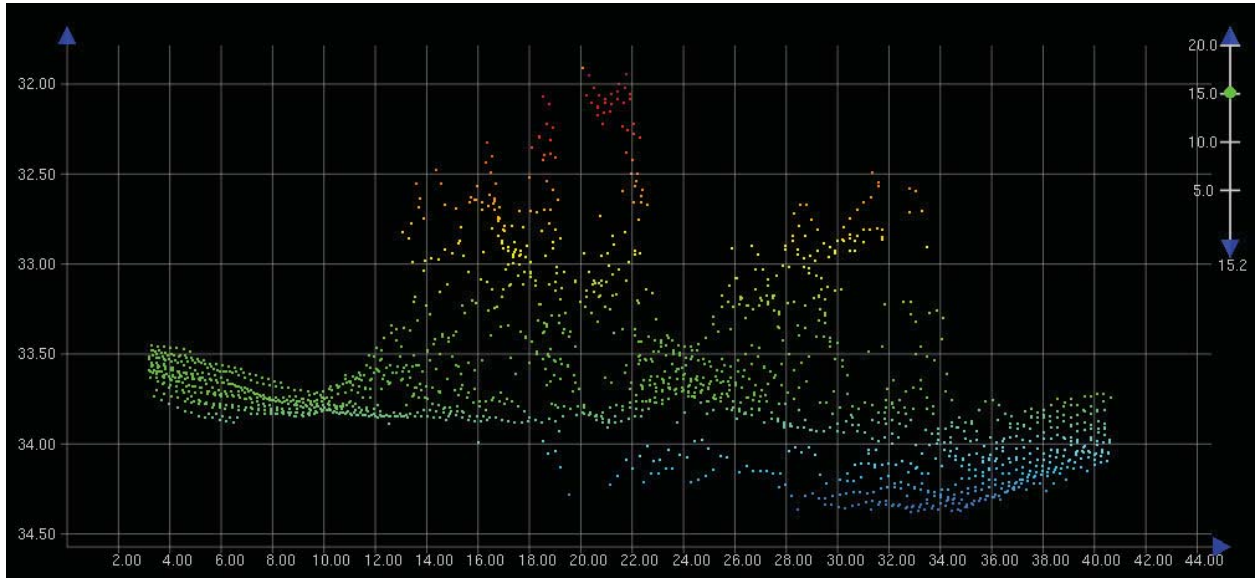


Figure 1.51.1

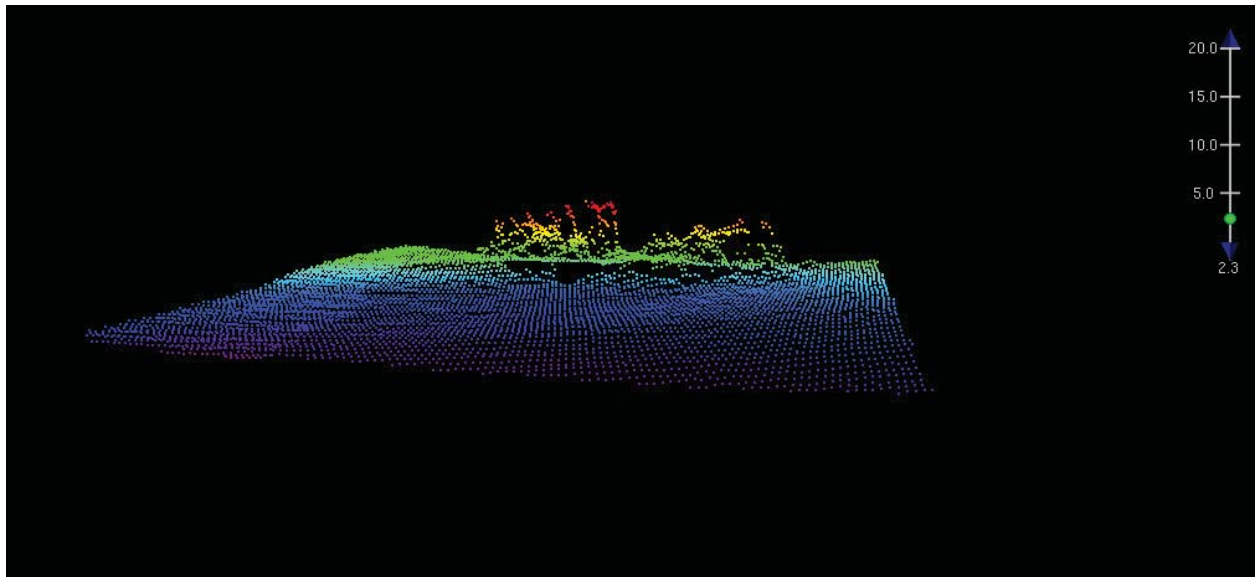


Figure 1.51.2

1.52) AWOIS 7750

Survey Summary

Survey Position: 40° 59' 58.4" N, 073° 25' 38.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072694 00001(022600011BF60001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 7750 does not reference a particular item and is in the same location as AWOIS 12638.

\$CSYMB/invreq: Type: WRECK, Itemstatus: COMPLETED, Searchtype: FULL, Technique: S2, SWMB, DI

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072698 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12638	13.21	044.5	Secondary (grouped)
H12412_AWOIS.000	US 0000072694 00001	13.40	304.2	Secondary (grouped)

Hydrographer Recommendations

Remove AWOIS 7750 from db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature (AWOIS 7750 and 12638). Defer to cartographer for final chart exposition. Recommend to update AWOIS database. 98ft Wreck located in H12412.

COMPILE: AWOIS item 7750 is a duplicate of AWOIS item 12638. Delete duplicate AWOIS database entry for item 7750.

1.53) AWOIS 12638

Primary Feature for AWOIS Item #12638

Search Position: 40° 59' 58.4" N, 073° 25' 39.8" W
Historical Depth: 29.26 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-58.37N, LONG. 73-25-39.78W. MB LD OF 96 FEET (29.23 METERS). (ENT 11/10/04, SJV)

Survey Summary

Survey Position: 40° 59' 58.7" N, 073° 25' 39.4" W
Least Depth: 30.13 m (= 98.85 ft = 16.476 fm = 16 fm 2.85 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072698 00001(022600011BFA0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12638 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072698 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12638	13.21	044.5	Secondary (grouped)
H12412_AWOIS.000	US 0000072694 00001	13.40	304.2	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, update charted depth.

Cartographically-Rounded Depth (Affected Charts):

99ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

30m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
NINFOM - No charting action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 30.131 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS item 12638 is duplicated by AWOIS item 7750. It is recommended that Item 7750 is deleted from the AWOIS database. It is further recommended the charted 97ft wreck is deleted from the chart and the item is not charted.

Feature Images

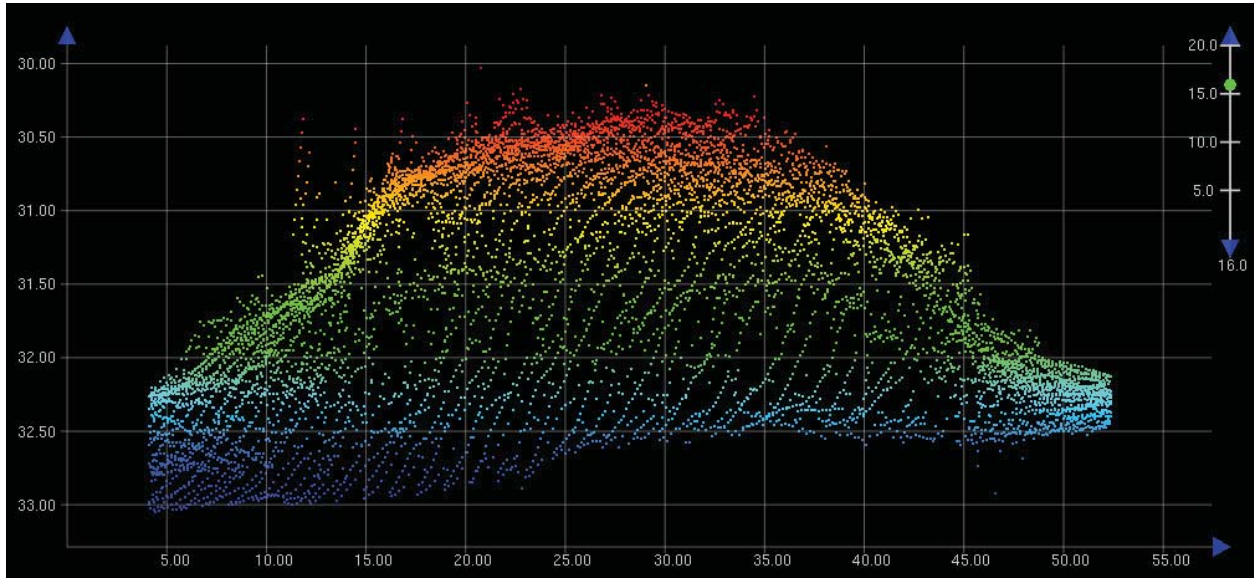


Figure 1.53.1

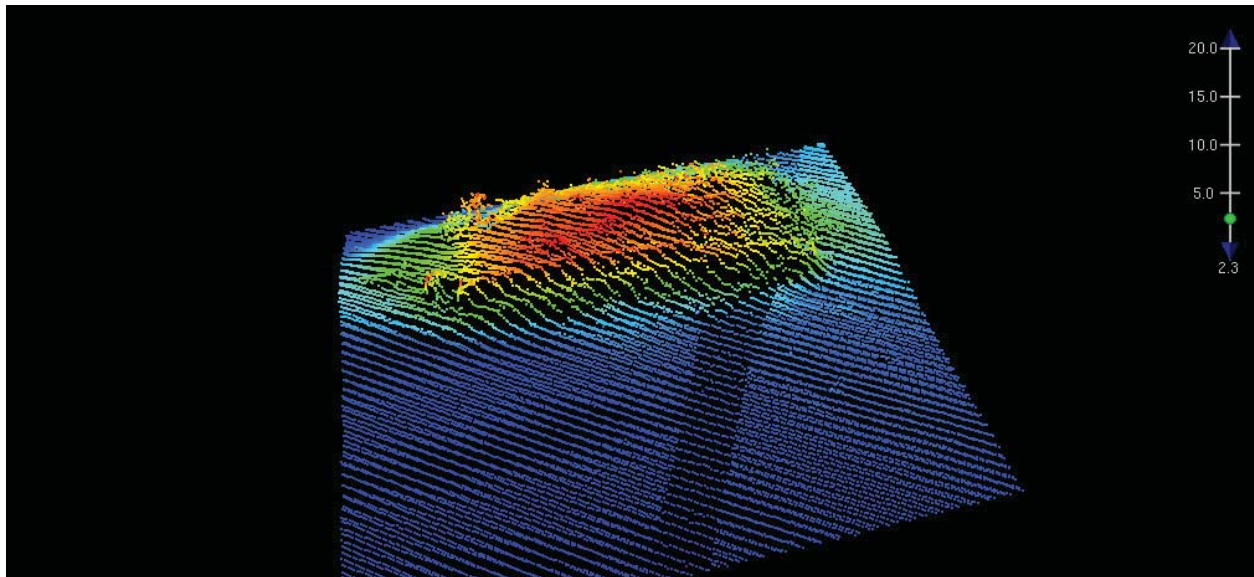


Figure 1.53.2

1.54) AWOIS 12688

Primary Feature for AWOIS Item #12688

Search Position: 40° 59' 58.7" N, 073° 24' 50.0" W
Historical Depth: 36.20 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10911/95-- OPR-B389-CN; UNCHARTED WREDK LOCATED IN LAT. 40-59-58.70N, LONG. 73-24-50.04W. MB LD OF 118.77 FEET (36.2 METERS). (ENT 11/12/04, SJV)

Survey Summary

Survey Position: 40° 59' 58.7" N, 073° 24' 50.1" W
Least Depth: 35.42 m (= 116.22 ft = 19.371 fm = 19 fm 2.22 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072569 00001(022600011B790001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12688 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072569 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12688	1.27	311.1	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

116ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

19fm (12300_1, 13006_1, 13003_1)

35m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 35.425 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12688 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

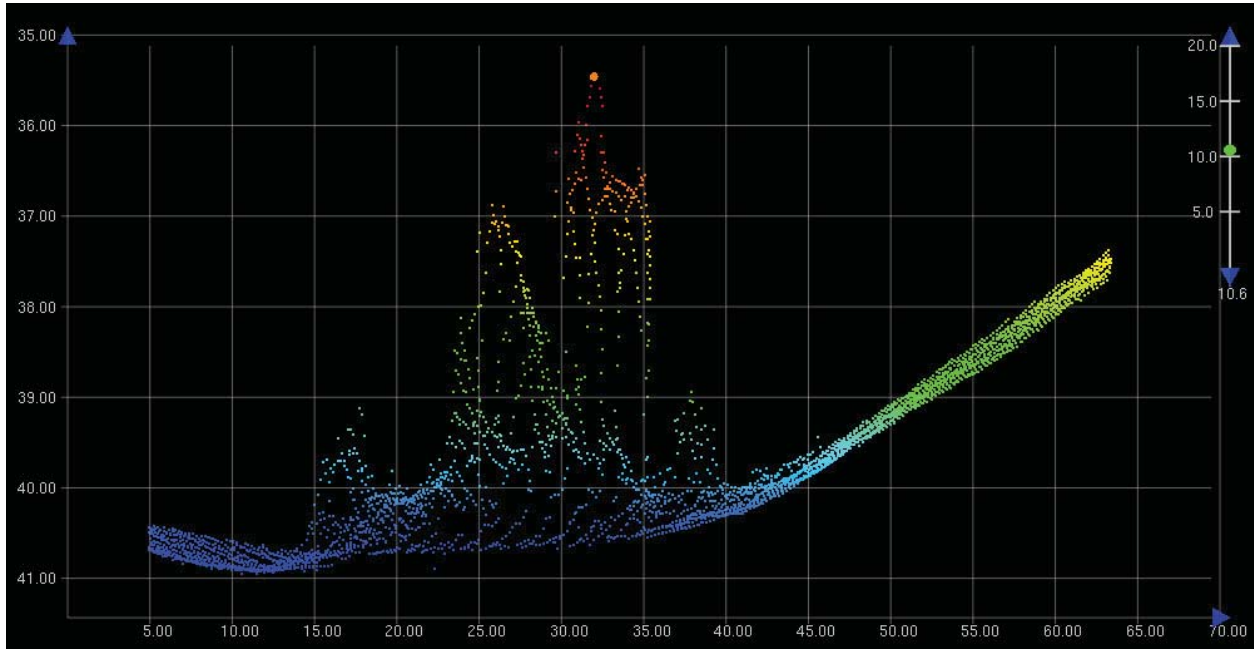


Figure 1.54.1

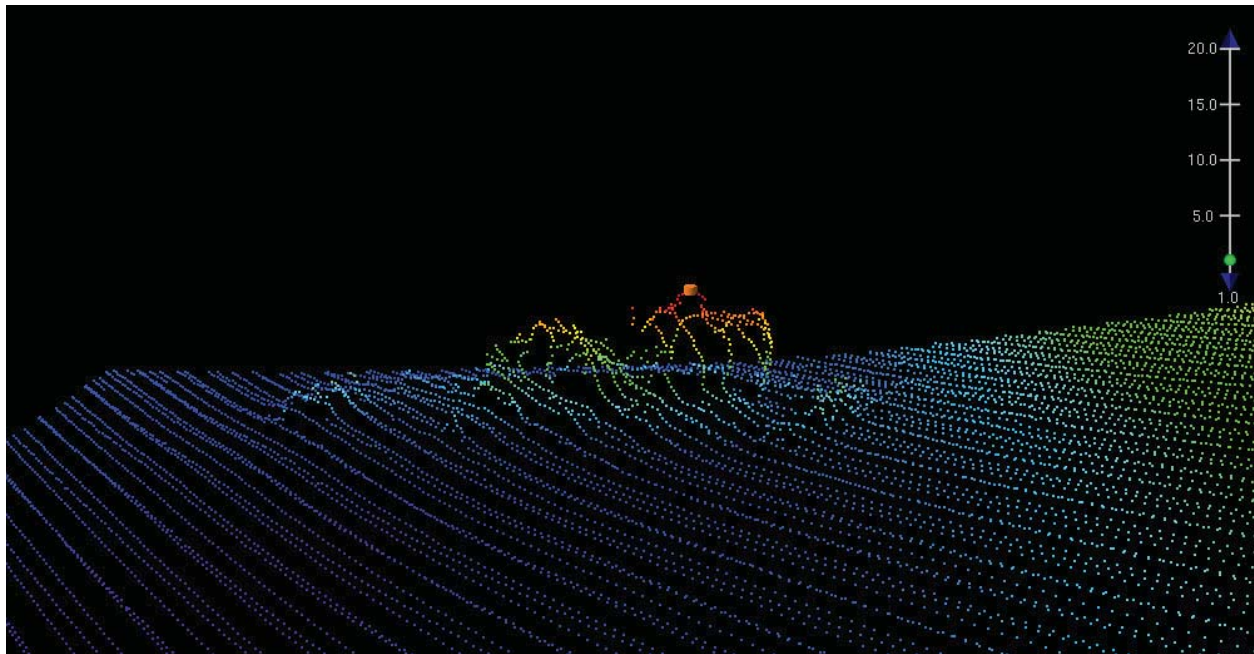


Figure 1.54.2

1.55) AWOIS 12689

Primary Feature for AWOIS Item #12689

Search Position: 40° 59' 59.1" N, 073° 24' 31.8" W
Historical Depth: 39.89 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-59.09N, LONG. 73-24-31.84W. MB LD OF 130.86 FEET (41.74 METERS). (ENT 11/12/04, SJV)

Survey Summary

Survey Position: 40° 59' 59.2" N, 073° 24' 30.8" W
Least Depth: 41.06 m (= 134.72 ft = 22.453 fm = 22 fm 2.72 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072561 00001(022600011B710001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12689 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072561 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12689	23.26	083.3	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

134ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

22fm (12300_1, 13006_1, 13003_1)

41m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 41.062 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.
COMPILE: AWOIS 12689 is uncharted and within charted caution area. It is recommended AWOIS 12689 is charted as 134.72ft non-dangerous wrecks in the present survey position to represent a group of uncharted wrecks.

Feature Images

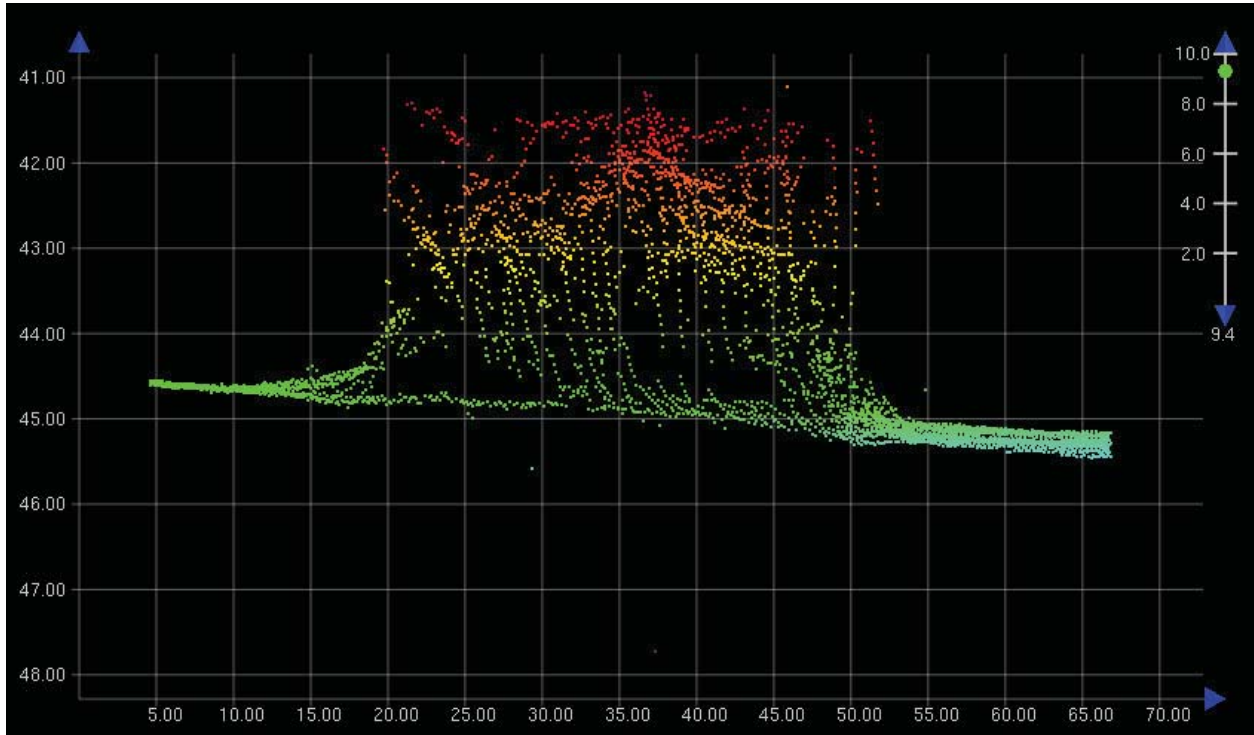


Figure 1.55.1

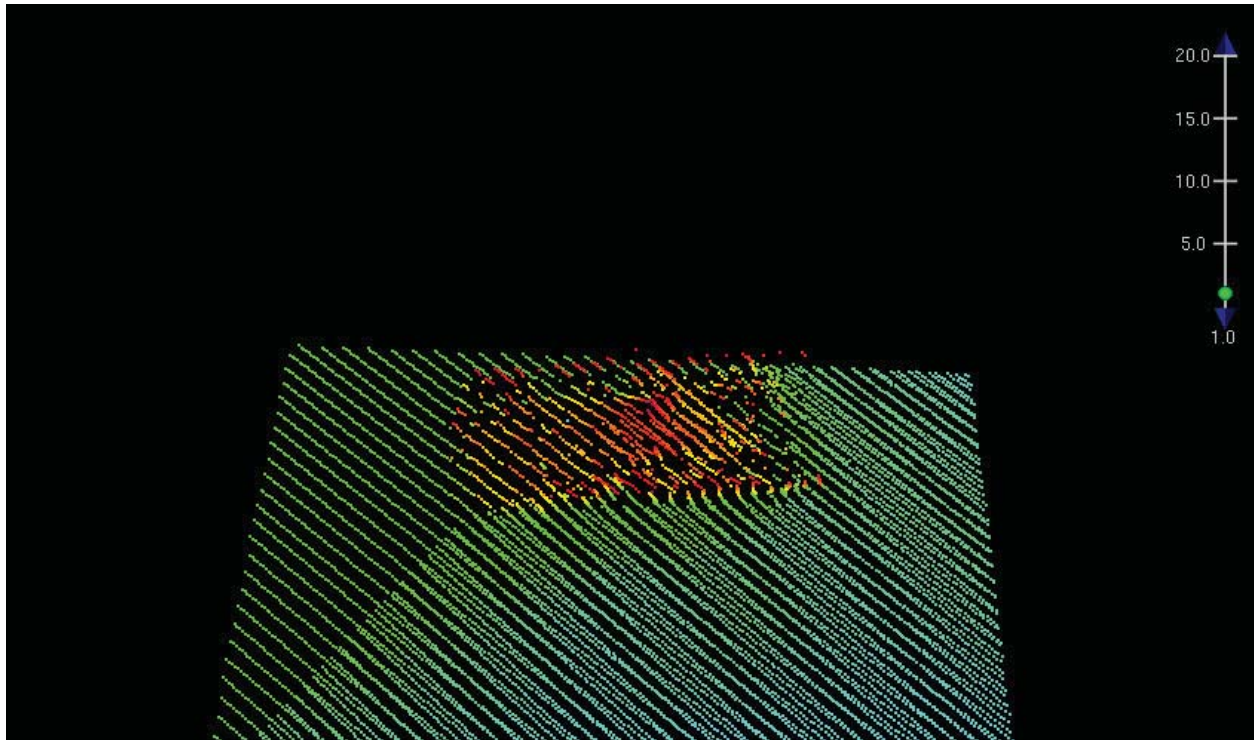


Figure 1.55.2

1.56) AWOIS 12676

Primary Feature for AWOIS Item #12676

Search Position: 40° 59' 59.6" N, 073° 26' 07.1" W
Historical Depth: 29.26 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-59.61N, LONG. 73-26-06.76W. MB LD OF 96.78 FEET (29.5 METERS). (ENT 11/12/04, SJV)

S00002/02--S-B600-RU--SWMB development of barge; update GPs and change depth from 97ft to 96ft; not charted, numerous sunken wrecks in area (RES 9/21/07).

Survey Summary

Survey Position: 40° 59' 59.4" N, 073° 26' 06.0" W
Least Depth: 29.30 m (= 96.12 ft = 16.019 fm = 16 fm 0.12 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072858 00001(022600011C9A0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with complete Reson 7125 MBES. Soundings are corrected to the ellipsoid and reduced to MLLW using VDATUM.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072858 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12676	25.35	098.5	Secondary (grouped)

Hydrographer Recommendations

Leave uncharted. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

96ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 29.296 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12676 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

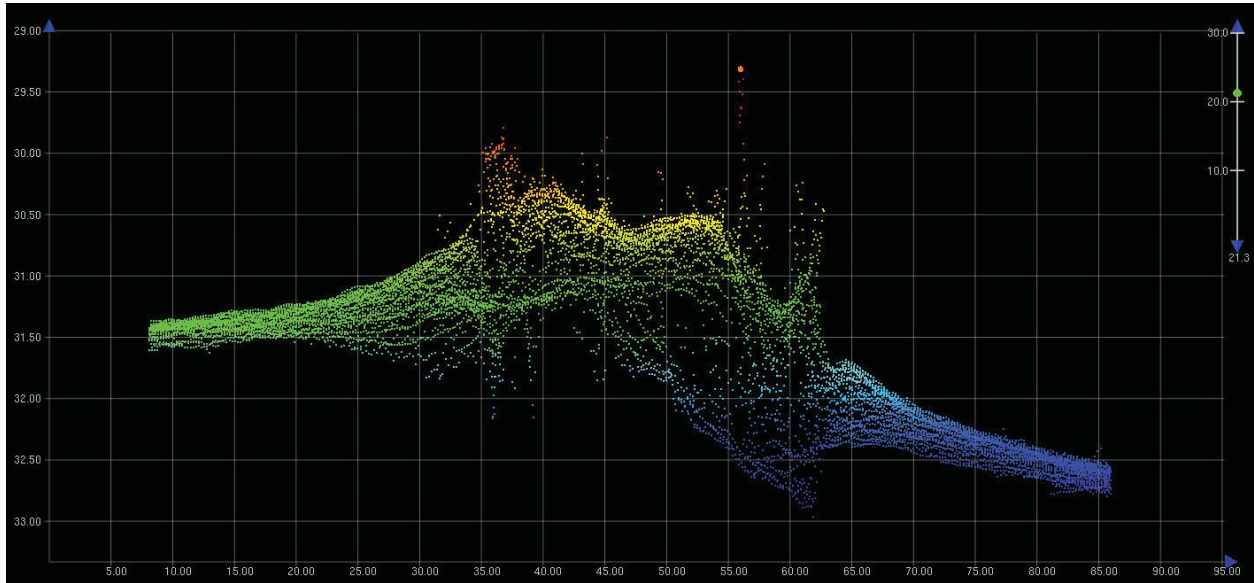


Figure 1.56.1

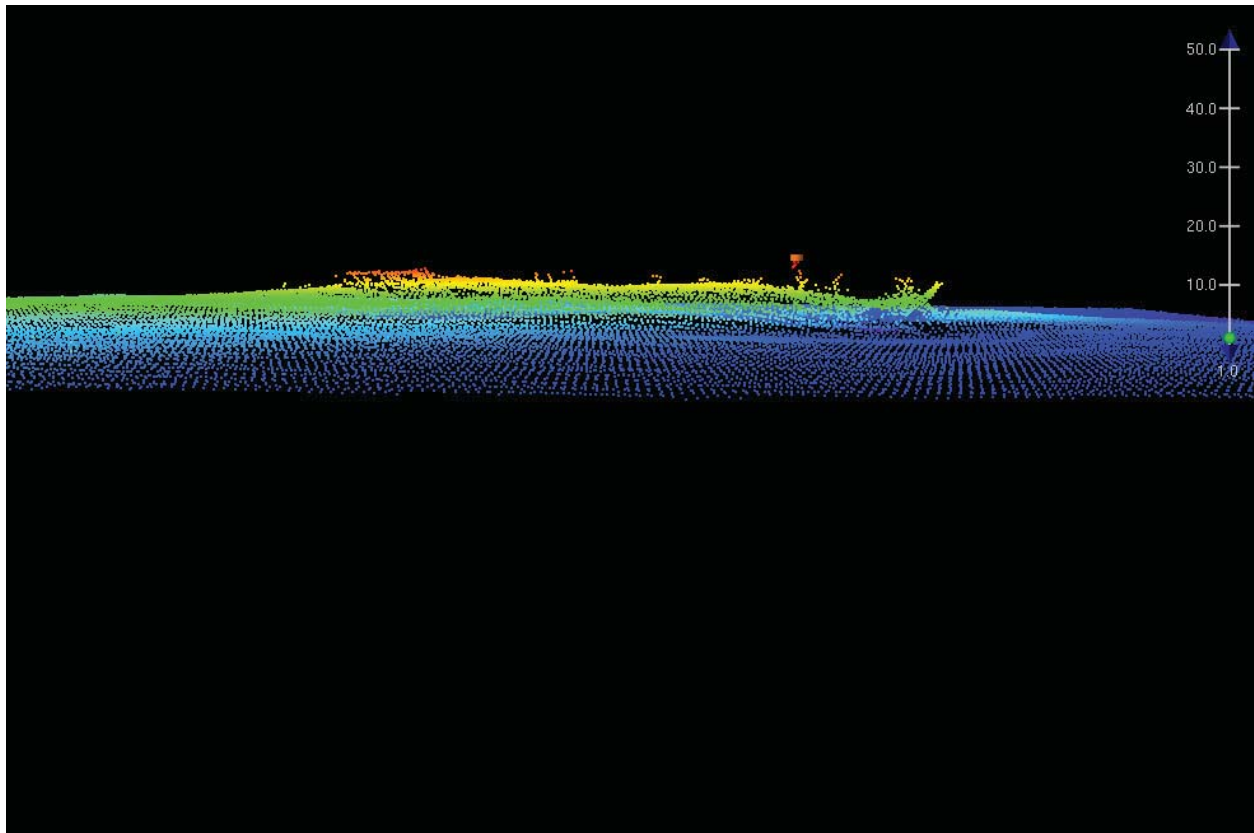


Figure 1.56.2

1.57) AWOIS 12635

Primary Feature for AWOIS Item #12635

Search Position: 41° 00' 00.2" N, 073° 25' 48.2" W
Historical Depth: 29.35 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-00.18N, LONG. 73-25-48.30W. MB LD OF 96 FEET (29.37 METERS). (ENT 11/10/04, SJV)

S00002/02--S-B600-RU--Deteriorated shipwreck developed with SWMB -note that the SSS has a much better resolution at this depth; updated GPs, changed depth from 96ft to 93ft; not charted, numerous sunken wrecks in this area (RES 9/21/07).

Survey Summary

Survey Position: 41° 00' 00.2" N, 073° 25' 48.2" W
Least Depth: 29.35 m (= 96.31 ft = 16.133 fm = 16 fm 0.80 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072857 00001(022600011C990001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12635 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072857 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12635	7.33	124.1	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

96ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 29.352 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Data interpretation indicates more of a benthic mound; feature appears to be highly deteriorated. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12635 is uncharted and within charted caution area. This wreck is located within a group of wrecks. It is recommended AWOIS 12635, a 96 ft non-dangerous wreck, is charted in the present survey position as 96.31ft wrecks.

Feature Images

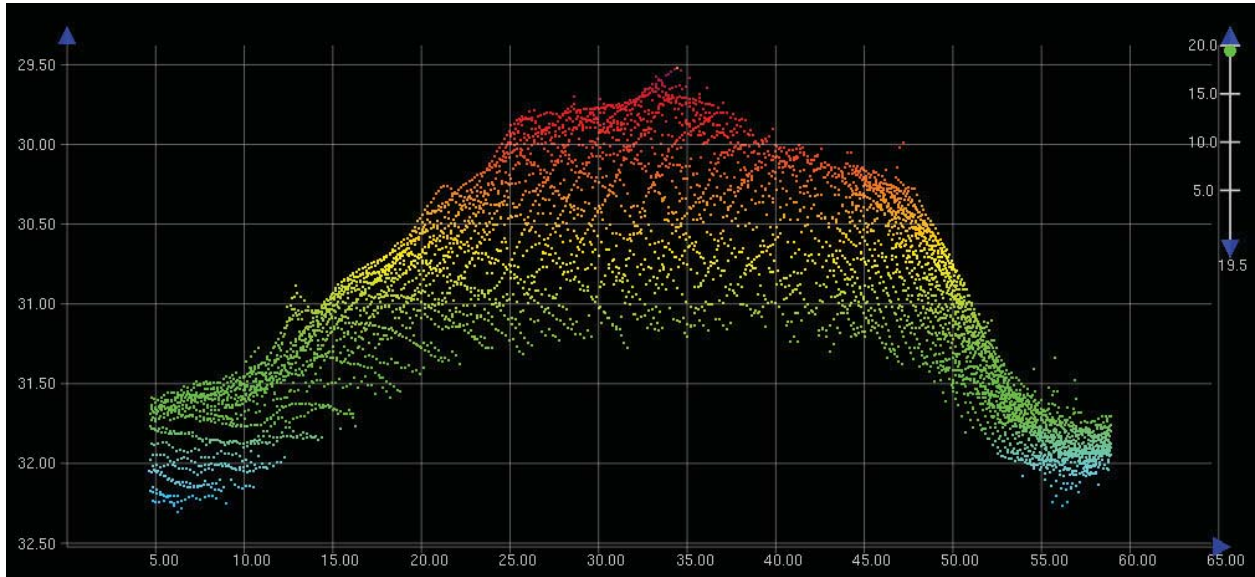


Figure 1.57.1

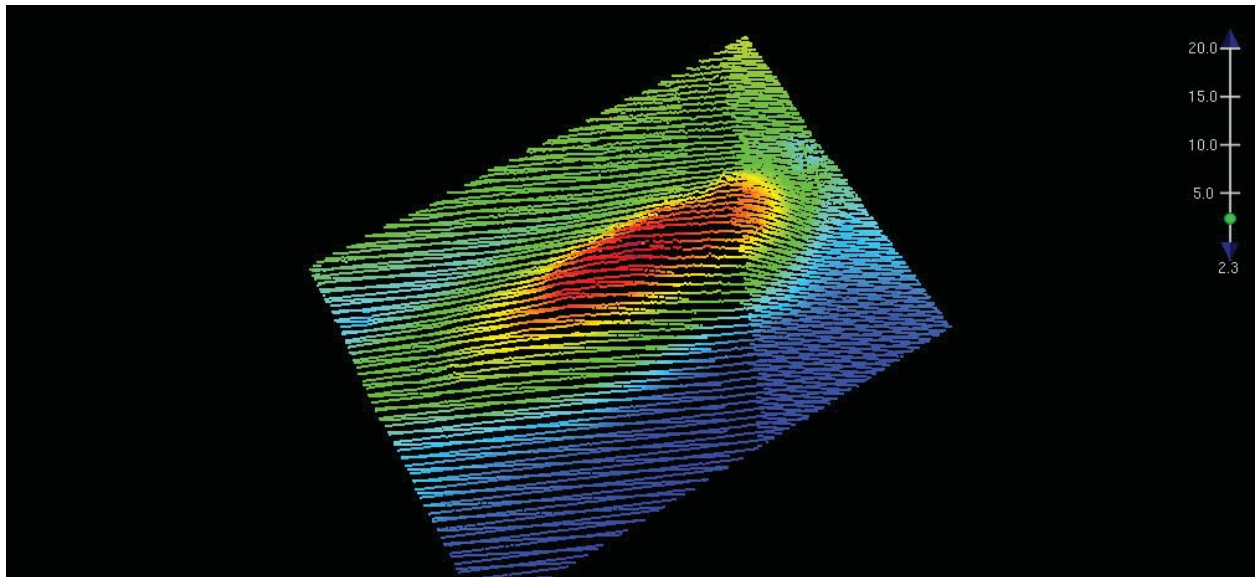


Figure 1.57.2

1.58) AWOIS 14086

Primary Feature for AWOIS Item #14086

Search Position: 41° 00' 00.6" N, 073° 25' 16.6" W
Historical Depth: 29.57 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--Wreck located by multibeam - appears to be two stacks from a ship; not charted, numerous sunken wrecks exist in this area (RES 9/20/07).

Survey Summary

Survey Position: 41° 00' 00.5" N, 073° 25' 16.5" W
Least Depth: 29.30 m (= 96.14 ft = 16.023 fm = 16 fm 0.14 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072632 00001(022600011BB80001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 14086 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072632 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14086	3.95	144.6	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

96ft (12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 29.302 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 14086 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

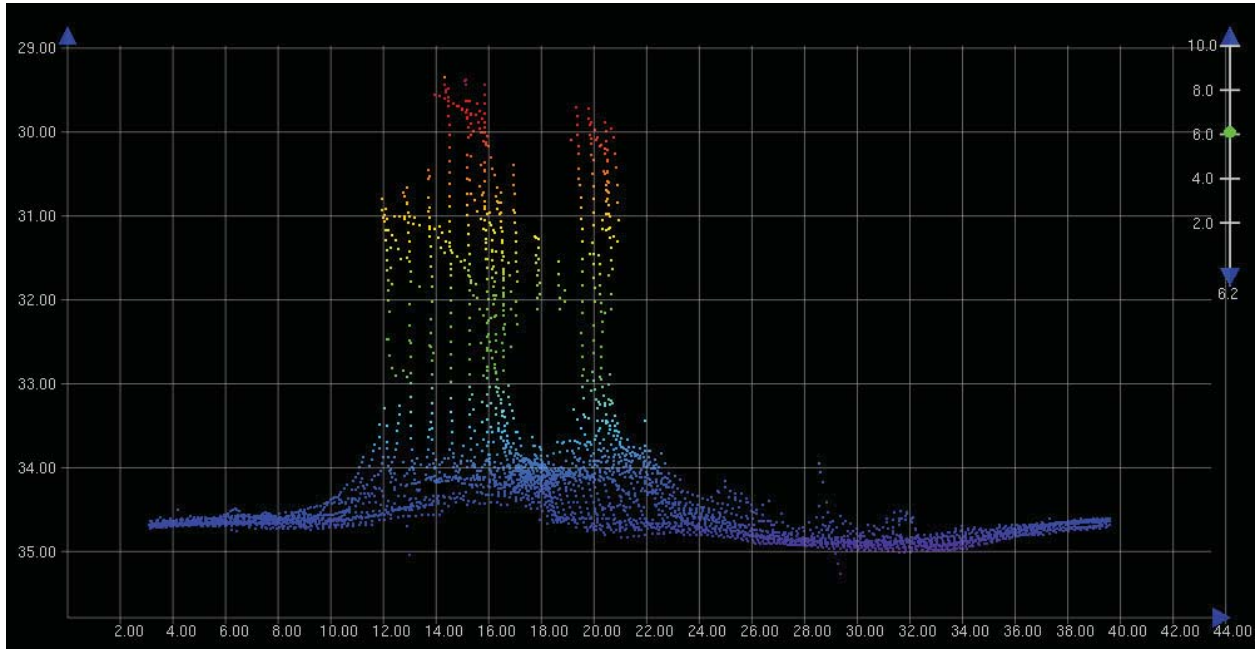


Figure 1.58.1

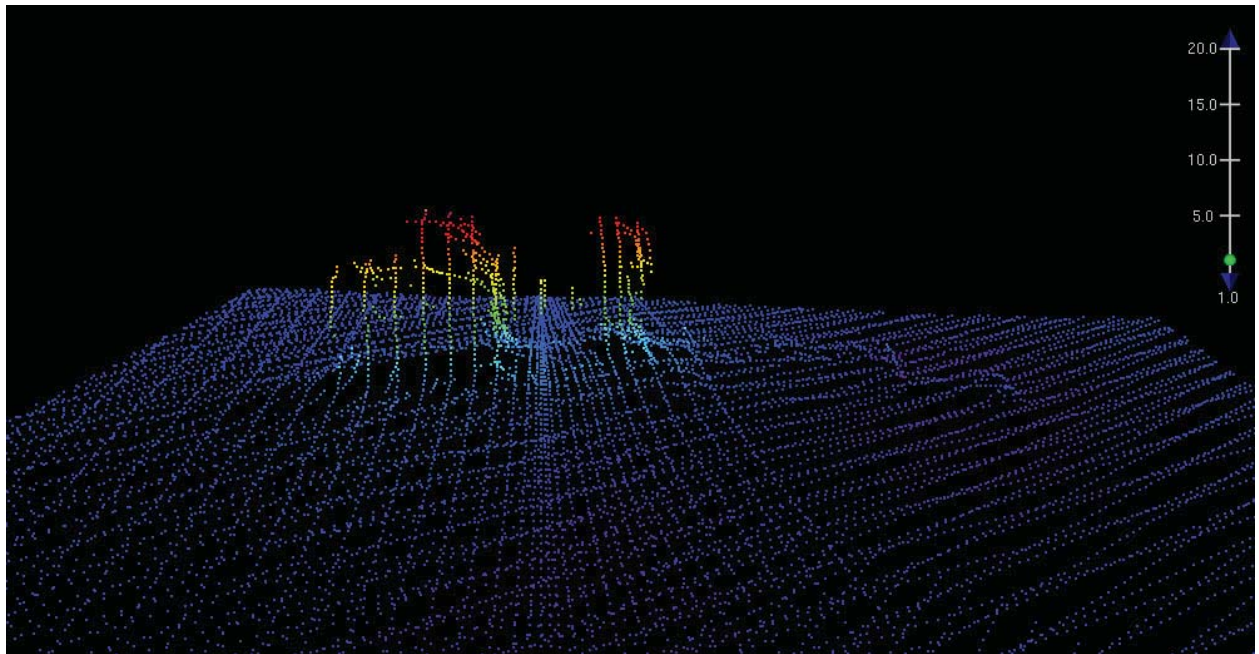


Figure 1.58.2

1.59) AWOIS 12668

Primary Feature for AWOIS Item #12668

Search Position: 41° 00' 01.3" N, 073° 24' 33.9" W
Historical Depth: 39.52 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-01.29N, LONG. 73-24-33.92W. MB LD OF 129.65 FEET (39.52 METERS). (ENT 11/12/04, SJV)

Survey Summary

Survey Position: 41° 00' 01.3" N, 073° 24' 33.9" W
Least Depth: 40.17 m (= 131.78 ft = 21.963 fm = 21 fm 5.78 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072571 00001(022600011B7B0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12668 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

WRECKS/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072571 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12668	0.83	115.5	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

132ft (12368_1, 12364_20, 12364_8, 12363_1)

22fm (12300_1, 13006_1, 13003_1)

40m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 40.166 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12668 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

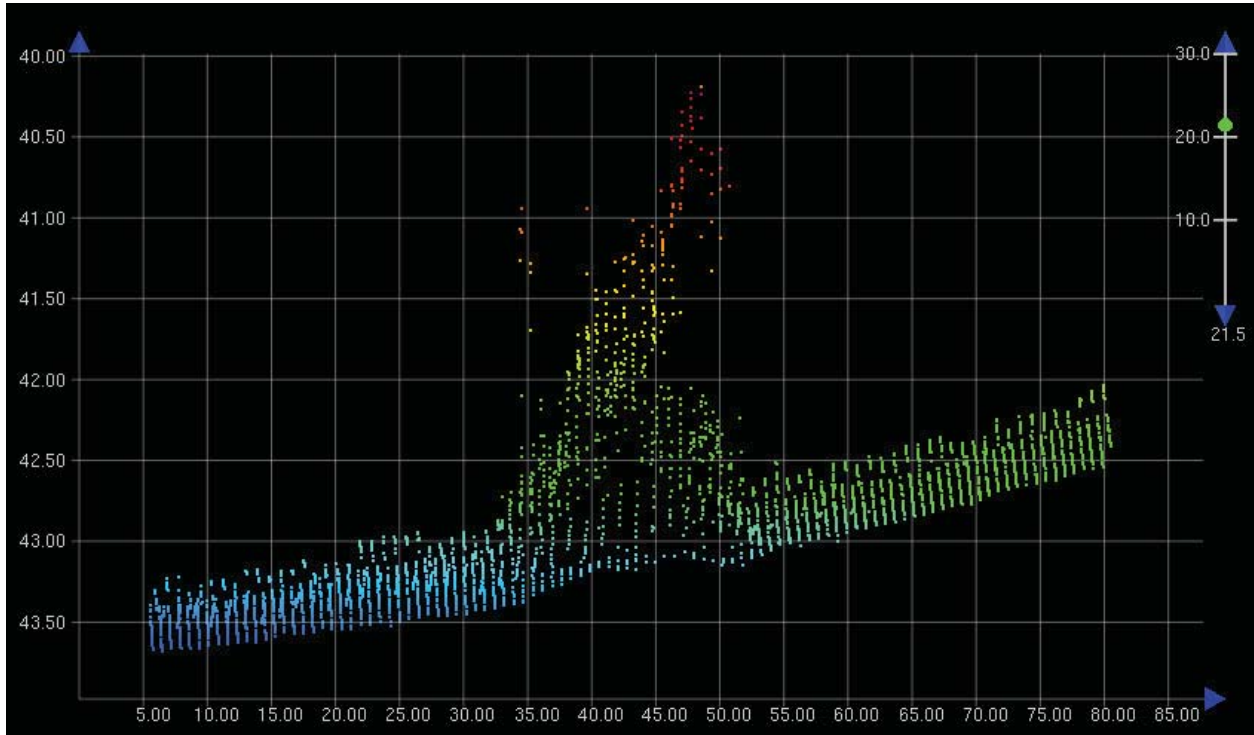


Figure 1.59.1

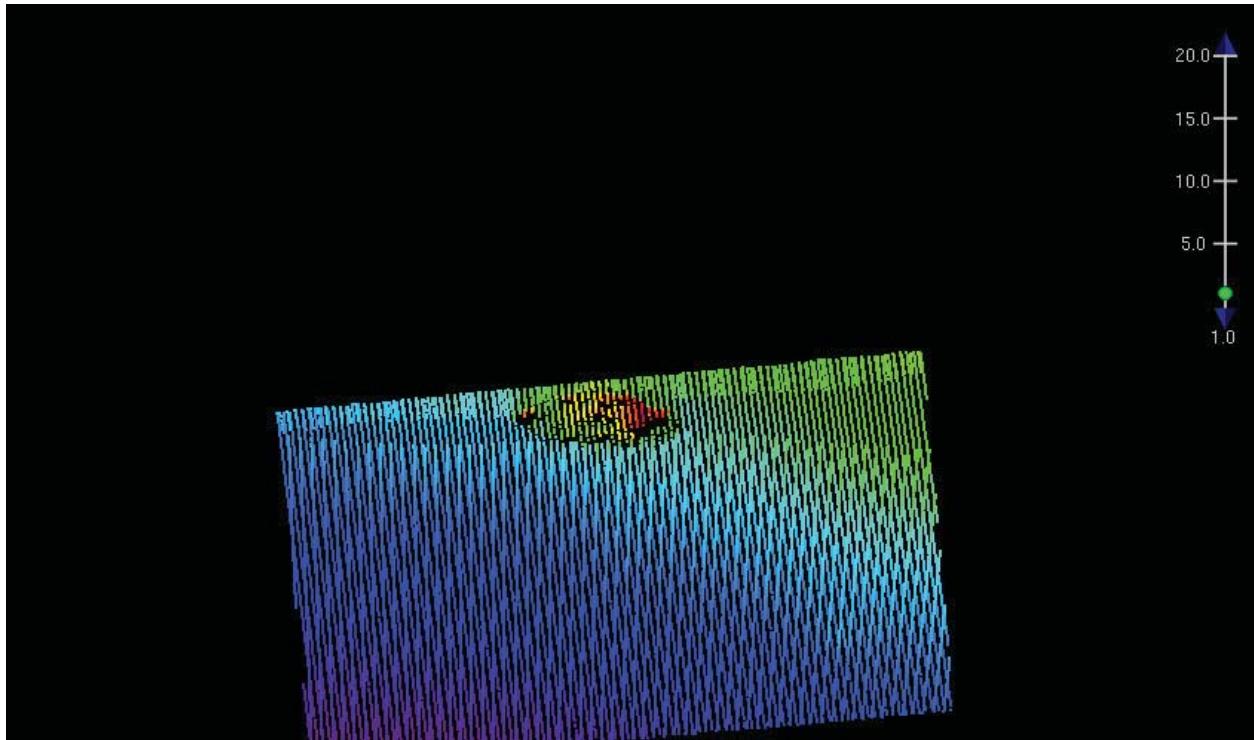


Figure 1.59.2

1.60) AWOIS 12675

Primary Feature for AWOIS Item #12675

Search Position: 41° 00' 01.7" N, 073° 25' 55.8" W
Historical Depth: 25.83 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-01.67N, LONG. 73-25-55.80W. MB LD OF 84.74 FEET (25.83 METERS). (ENT 11/12/04, SJV)

Survey Summary

Survey Position: 41° 00' 01.6" N, 073° 25' 56.1" W
Least Depth: 27.00 m (= 88.58 ft = 14.764 fm = 14 fm 4.58 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072860 00001(022600011C9C0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with complete Reson 7125 MBES. Soundings are corrected to the ellipsoid and reduced to MLLW using VDATUM.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072860 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12675	6.34	254.9	Secondary (grouped)

Hydrographer Recommendations

Leave uncharted. Update AWOIS Db.

Cartographically-Rounded Depth (Affected Charts):

88ft (12368_1, 12364_20, 12364_8, 12363_1)

15fm (12300_1, 13006_1, 13003_1)

27m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 27.000 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12675 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

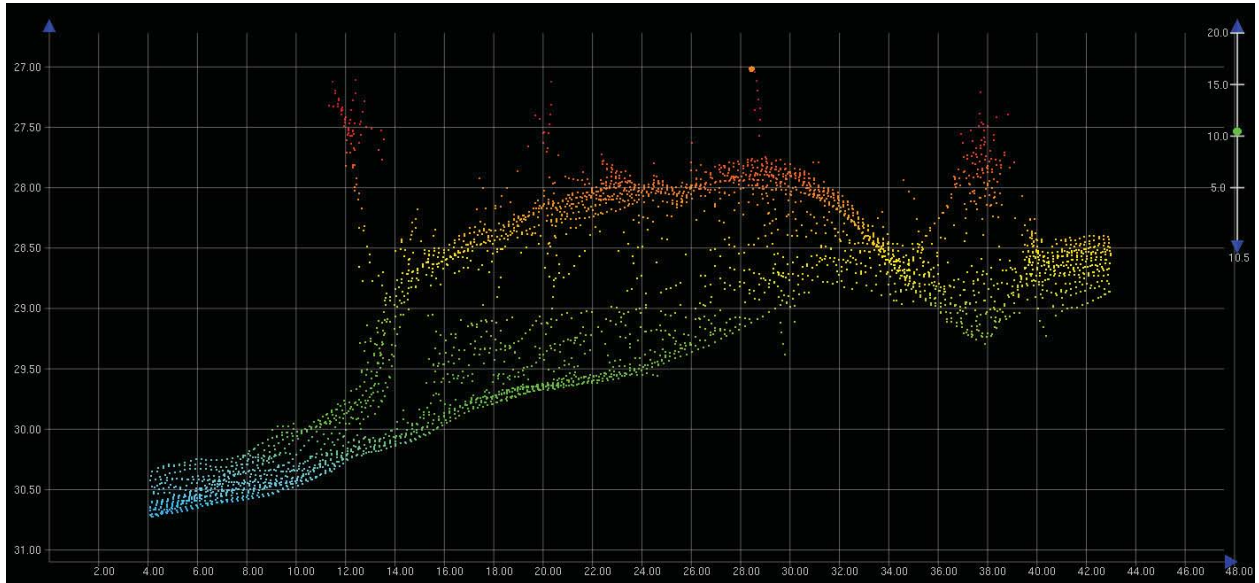


Figure 1.60.1

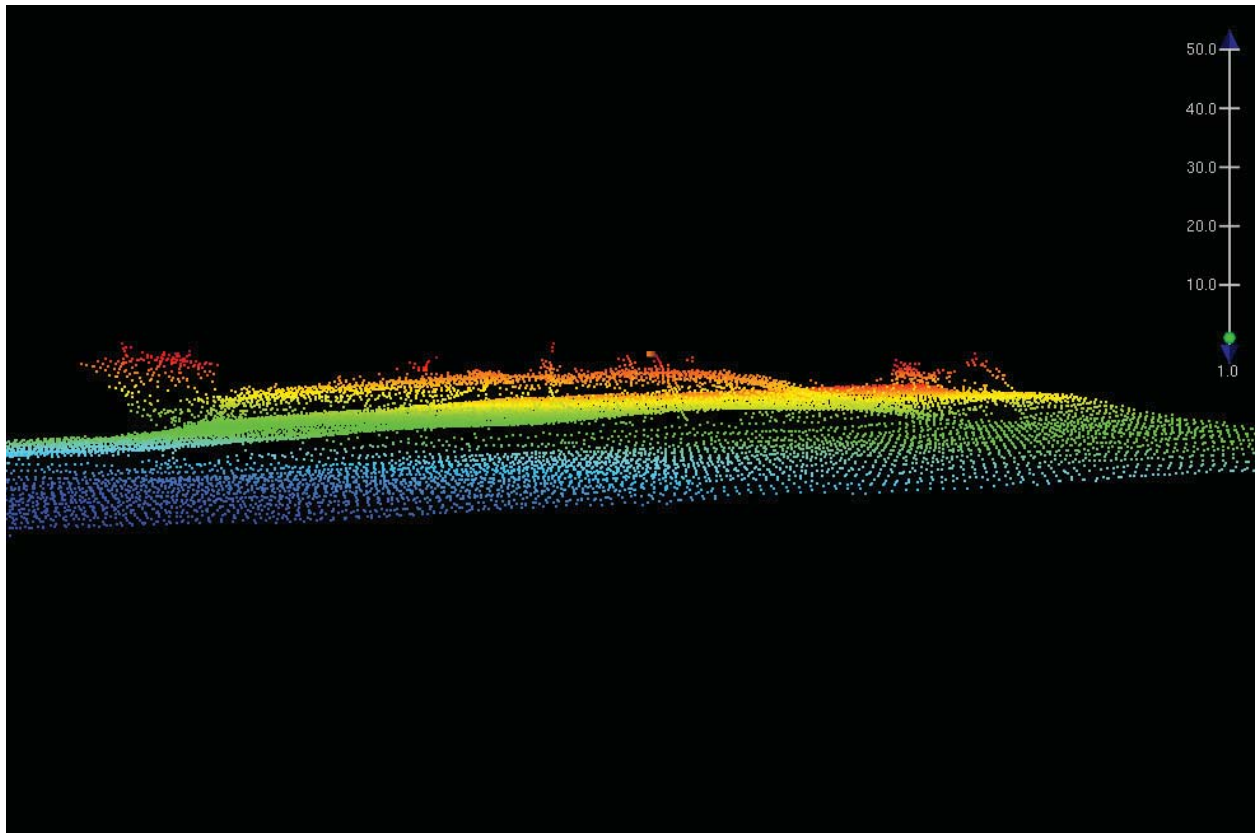


Figure 1.60.2

1.61) AWOIS 11377

Survey Summary

Survey Position: 41° 00' 02.2" N, 073° 25' 20.5" W
Least Depth: 20.04 m (= 65.74 ft = 10.957 fm = 10 fm 5.74 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072558 00001(022600011B6E0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11377 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072558 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update AWOIS DB, update charted location.

Cartographically-Rounded Depth (Affected Charts):

65ft (12368_1, 12364_20, 12364_8, 12363_1)

11fm (12300_1, 13006_1, 13003_1)

20.04m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 2:dangerous wrecks
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 20.036 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.
(66ft Wk.)

COMPILE: AWOIS 11377 is duplicated by AWOIS item 12637. It is recommended item 12637 is deleted from the AWOIS database. It is further recommended AWOIS 11377, the charted 66ft dangerous wreck is deleted from the chart and the chart is updated with a 65.74ft dangerous wrecks at the present survey position.

Feature Images

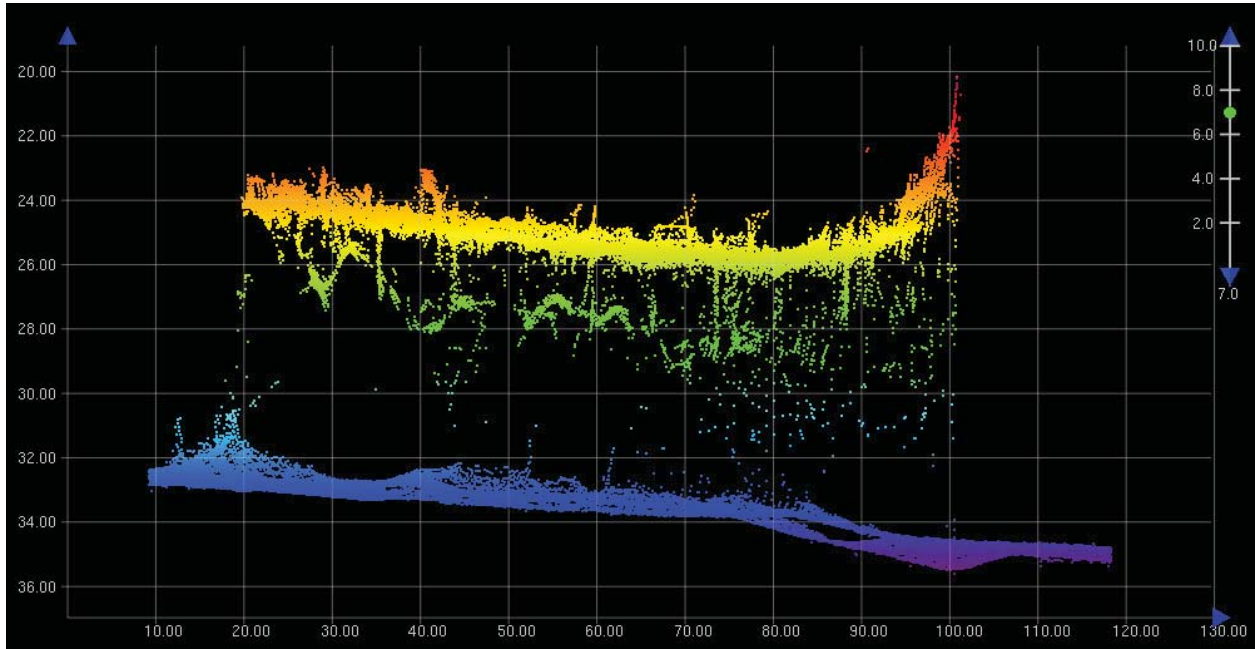


Figure 1.61.1

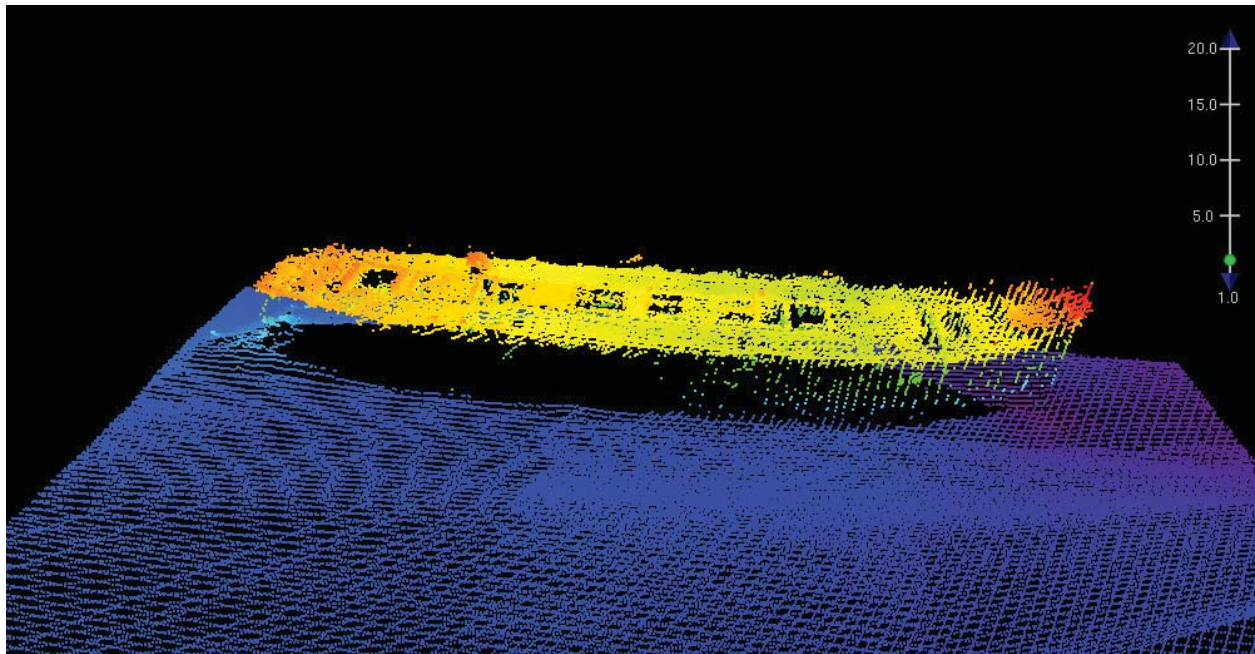


Figure 1.61.2

1.62) AWOIS 12637

Primary Feature for AWOIS Item #11377

Search Position: 41° 00' 02.2" N, 073° 25' 20.3" W
Historical Depth: 20.12 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 41-00.03712N, LONG 073-25.34257W (NAD 83) WITH A LEAST DEPTH OF 21.71 METERS (71.2 FEET). CHARTED AS 71 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB on large shipwreck; Delete 71ft Wk in Lat. 41°00'02.230, Long. 73°25'20.55", Chart 66ft Wk in Lat. 41°00'02.24", Long. 73°25'20.29" (RES 8/9/07).

Survey Summary

Survey Position: 41° 00' 02.2" N, 073° 25' 20.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072594 00001(022600011B920001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: Two identical AWOIS records are in this location.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12637	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072594 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
NTXTDS - ENC US5CN11M,ED24,Update 3
SORDAT - 20120927
SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate AWOIS (11377 and 12637) feature. Defer to cartographer for final chart exposition. Recommend to update the AWOIS database. Survey data documents 66ft Wreck.

COMPILE: AWOIS item 12637 is a duplicate of AWOIS item 11377. Delete duplicate AWOIS database entry for item 12637.

1.63) AWOIS 7753

Survey Summary

Survey Position: 41° 00' 02.2" N, 073° 25' 55.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072593 00001(022600011B910001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No significant items were found in this area. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072593 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Appears to be duplicate AWOIS items associated with AWOIS 7752 and 12729. Recommend to update the AWOIS database.

COMPILE: AWOIS 7753 is a duplicate of AWOIS items 7752 and 12729. Delete duplicate AWOIS database entry for item 7753.

1.64) AWOIS 12729

Primary Feature for AWOIS Item #12729

Search Position: 41° 00' 02.7" N, 073° 25' 54.1" W
Historical Depth: 21.23 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON THE SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN LAT 41-00-02.97N, LONG 73-25-53.34W WITH AN ESTIMATED LEAST DEPTH OF 77 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90)
 H10354/90-- OPR-B285-AHP; SHOALER DEPTHS IN IMMEDIATE VICINITY. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. DO NOT CHART OBSTRUCTION. (UP 9/8/92, SJV)

H10611/95-- OPR-B389-CN; UNCHARTED OBSTRUCTION LOCATED IN LAT. 41-00-02.69N, LONG. 73-25-54.15W. MB LD OF 69.65 FEET (21.23 METERS). (ENT 11/16/04, SJV)

Survey Summary

Survey Position: 41° 00' 02.4" N, 073° 25' 53.8" W
Least Depth: 21.47 m (= 70.43 ft = 11.739 fm = 11 fm 4.43 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073199 00001(022600011DEF0001)

Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

OBSTRN/remrks: What is believed to be the silted over remains of AWOIS item 12729 were found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073199 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12729	12.64	133.1	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

70ft (12368_1, 12364_20, 12364_8, 12363_1)

11fm (12300_1, 13006_1, 13003_1)

21m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)

Attributes: EXPSOU - 2:shoaler than range of depth of the surrounding depth area

NINFOM - Chart obstruction

QUASOU - 6:least depth known

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 21.468 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Do not concur with field unit's data editing status. Rejected data points were reaccepted such that the least depth supports and validates the charted 69-ft OBSTRN. Also associated with AWOIS 7752 and 7753. Feature was categorized as UWTROC; revised to OBSTRN during SAR review.

COMPILE: AWOIS 12729 is duplicated by AWOIS items 7752 and 7753. It is recommended that Items 7752 and 7753 are deleted from the AWOIS database. It is further recommended the charted 69ft obstruction is deleted from the chart and the chart is updated with a 70.4ft obstruction, at survey position.

Feature Images

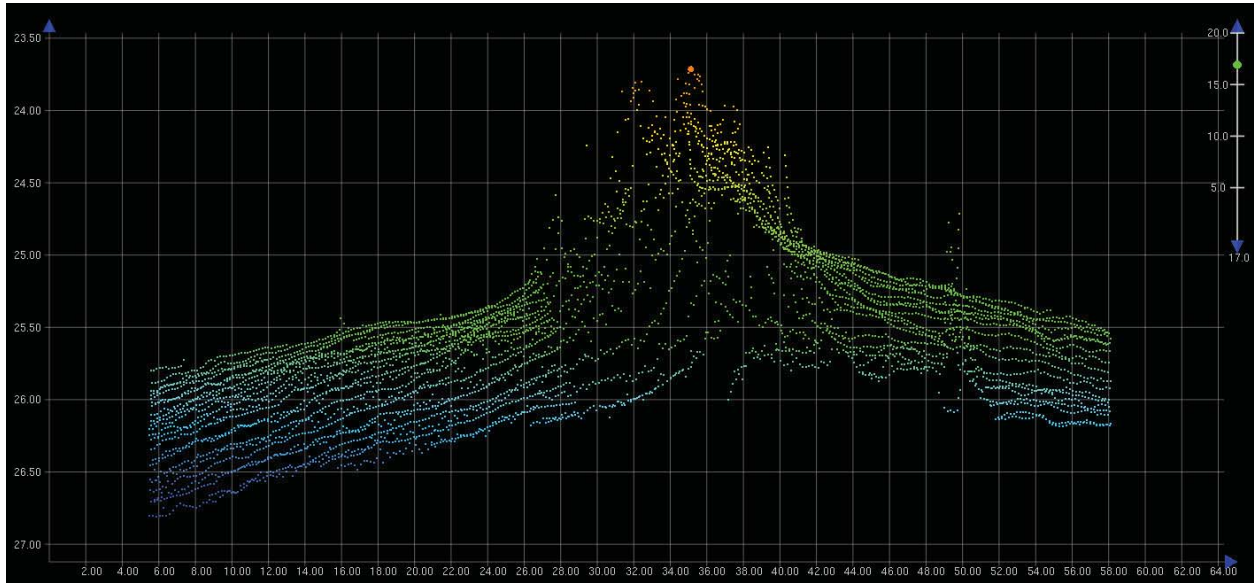


Figure 1.64.1

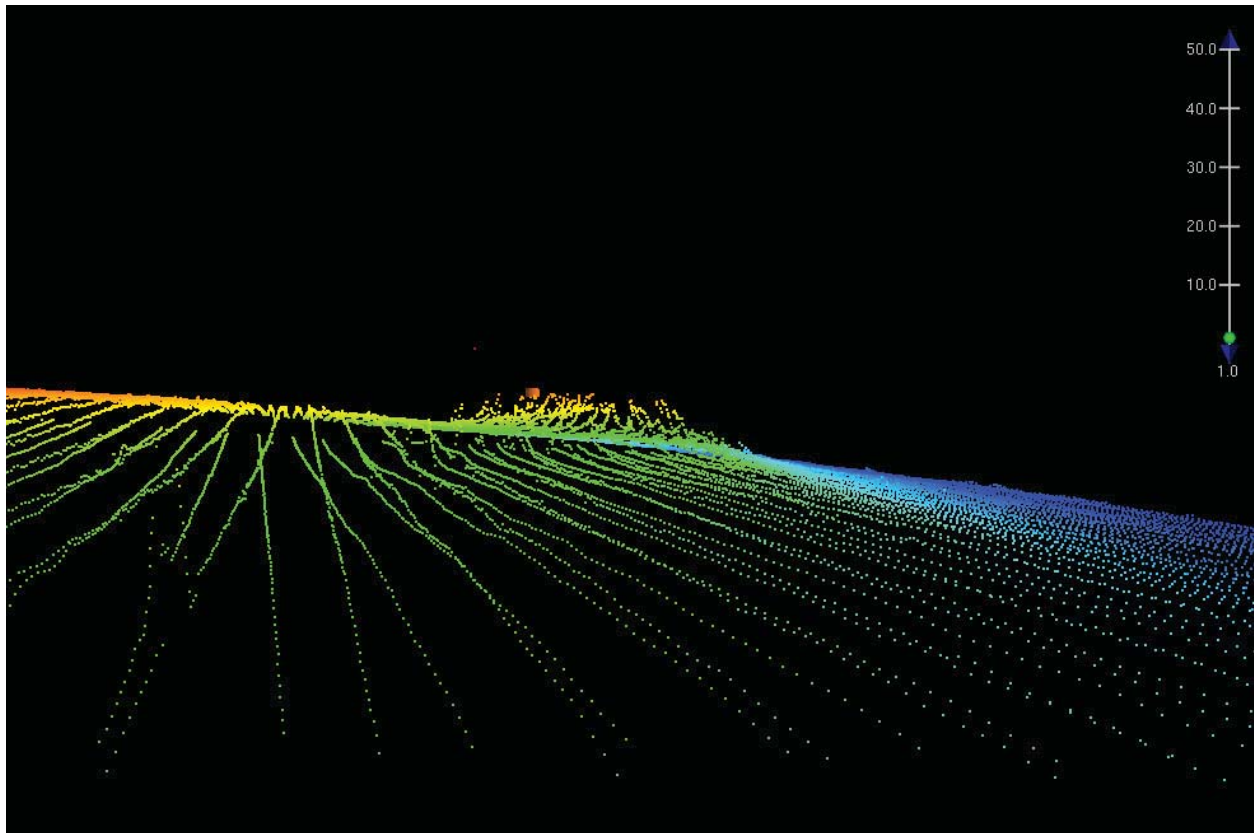


Figure 1.64.2

1.65) AWOIS 7752

Survey Summary

Survey Position: 41° 00' 03.0" N, 073° 25' 53.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072864 00001(022600011CA00001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No significant items were found in this area. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 7752	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072864 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 14454, NUMEROUS CONTACTS WERE NOTED ON THE SONARGRAMS; 16 WERE 1 CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS 1 LOCATED IN LAT 41-00-02.97N, LONG 73-25-53.34W WITH AN ESTIMATED 1 LEAST DEPTH OF 77 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF 1 THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY 1 COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90) H10354/90-- OPR-B285-AHP; SHOALER DEPTHS IN IMMEDIATE VICINITY. 1 EVALUATOR RECOMMENDS CHARTING AS SURVEYED. DO NOT CHART 1 OBSTRUCTION. (UP 9/8/92, SJV)

Office Notes

SAR NOTES: This is a duplicate feature (AWOIS 7753 and 12729). Defer to cartographer for final chart exposition. Recommend to update the AWOIS database. 69ft OBSTRN validated in survey data.

COMPILE: AWOIS 7752 is a duplicate of AWOIS items 7753 and 12729. Delete duplicate AWOIS database entry for item 7752.

1.66) AWOIS 12669

Primary Feature for AWOIS Item #12669

Search Position: 41° 00' 03.5" N, 073° 24' 34.4" W
Historical Depth: 39.62 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-03.26N, LONG. 73-24-32.59W. MB LD OF 130.77 FEET (39.86 METERS). (ENT 11/12/04, SJV)

S00002/02--S-B600-RU--Deteriorated wreck; updated GPs, not charted, numerous sunken wrecks in area (RES 9/21/07).

Survey Summary

Survey Position: 41° 00' 03.2" N, 073° 24' 32.4" W
Least Depth: 40.74 m (= 133.65 ft = 22.275 fm = 22 fm 1.65 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072575 00001(022600011B7F0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12669 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072575 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12669	46.93	102.5	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

133ft (12368_1, 12364_20, 12364_8, 12363_1)

22fm (12300_1, 13006_1, 13003_1)

41m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 40.736 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12669 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

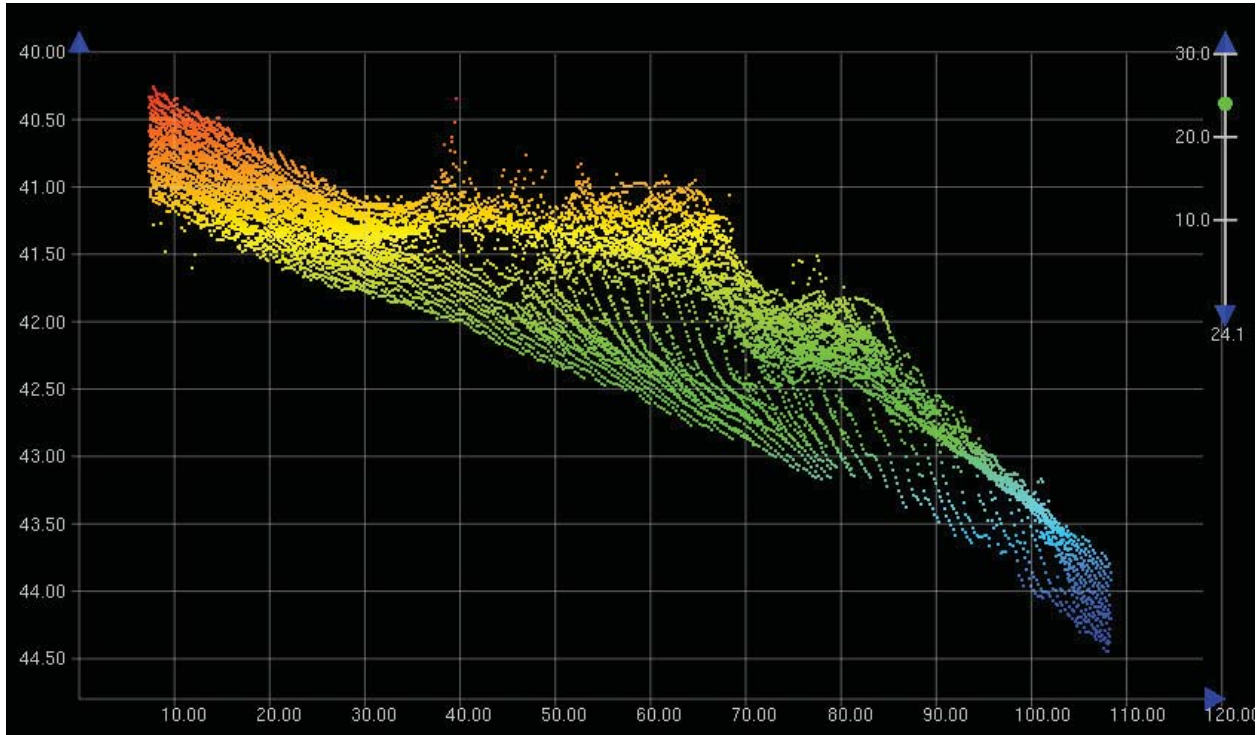


Figure 1.66.1

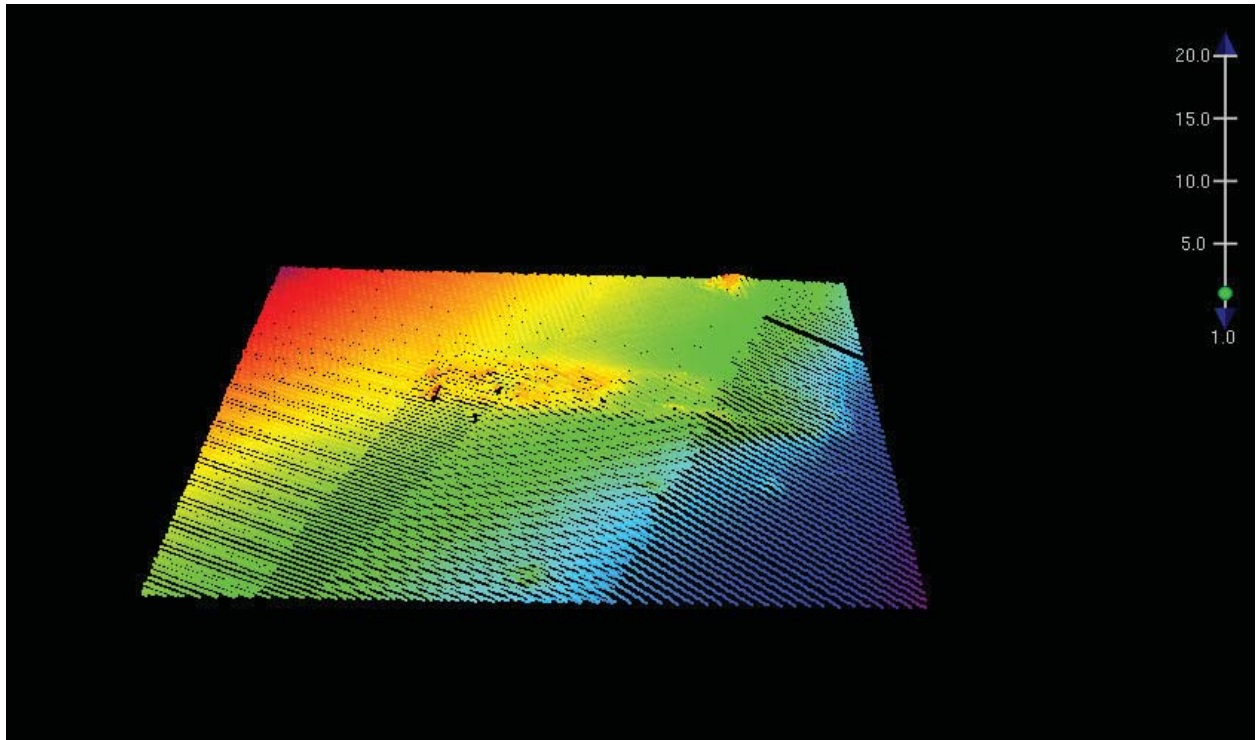


Figure 1.66.2

1.67) AWOIS 12683

Primary Feature for AWOIS Item #12683

Search Position: 41° 00' 03.6" N, 073° 24' 55.1" W
Historical Depth: 32.31 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-03.50N, LONG. 73-24-55.01W. MB LD OF 109 FEET (33.29 METERS). (ENT 11/12/04, SJV)

S00002/02--S-B600-RU--SWMB to develop SSS contact shipwreck with large cargo hold; changed depth from 109ft to 106ft; not charted, numerous wrecks in area (RES 9/20/07).

Survey Summary

Survey Position: 41° 00' 03.5" N, 073° 24' 54.9" W
Least Depth: 31.89 m (= 104.64 ft = 17.440 fm = 17 fm 2.64 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072567 00001(022600011B770001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12683 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072567 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12683	5.34	126.4	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, chart a non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

104ft (12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 31.894 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12683 is uncharted and within charted caution area. It is recommended AWOIS 12683, a 104.64 ft wreck, is charted in the present survey position.

Feature Images

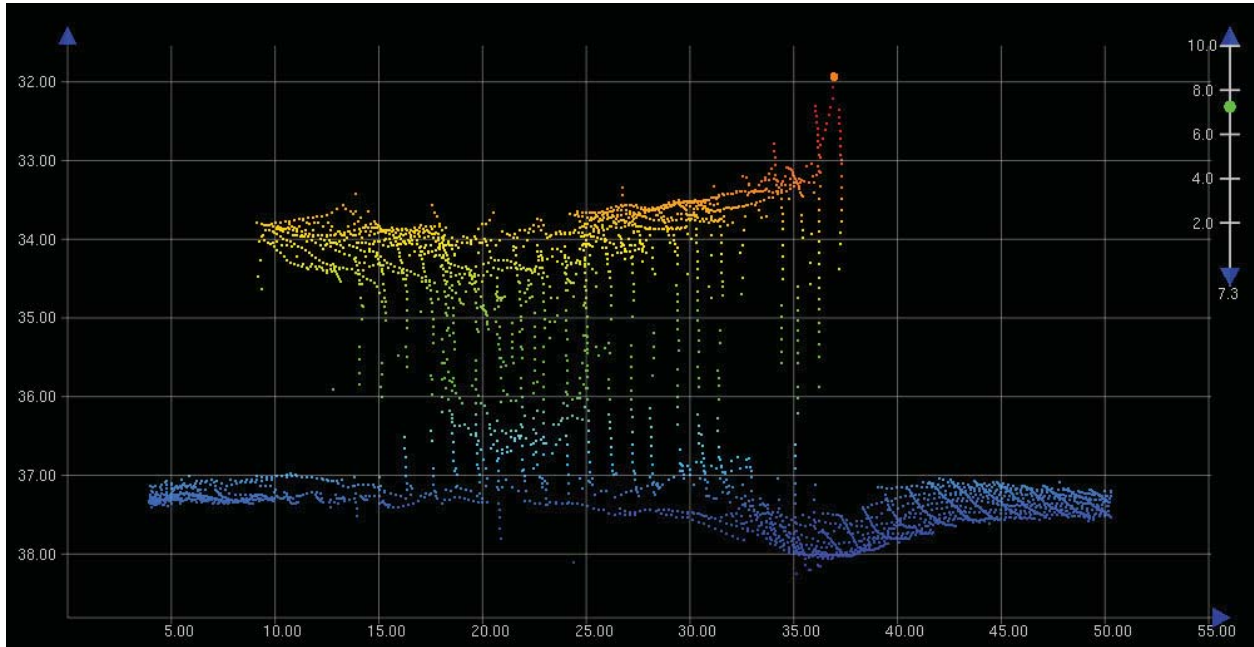


Figure 1.67.1

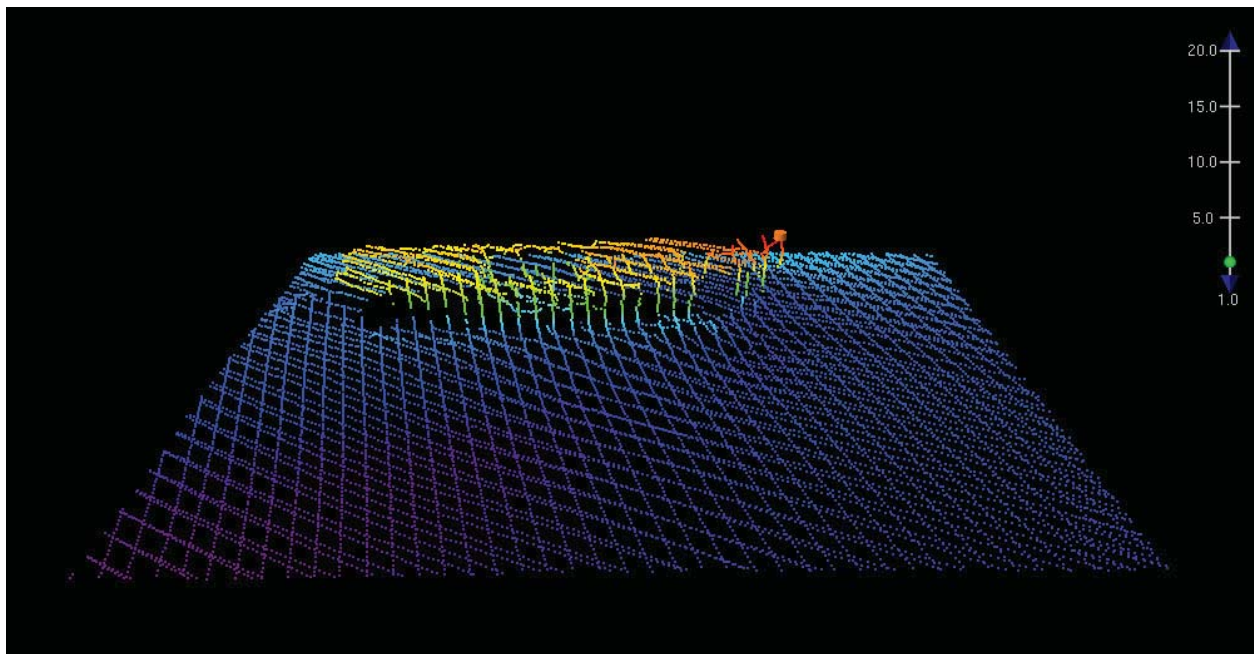


Figure 1.67.2

1.68) AWOIS 7744

Survey Summary

Survey Position: 41° 00' 04.2" N, 073° 26' 08.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073180 00001(022600011DDC0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 7744 is duplicated by AWOIS item 12624. Item 12624 has more recent history.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 7744	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073180 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update the AWOIS database.

COMPILE: AWOIS item 7744, is a duplicate of AWOIS item 12624. Delete duplicate AWOIS database entry for item 7744. No charting action.

1.69) AWOIS 12624

Primary Feature for AWOIS Item #12624

Search Position: 41° 00' 04.3" N, 073° 26' 08.4" W
Historical Depth: 25.91 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN LAT 41-00-04.12N, LONG 73-26-10.23W WITH AN ESTIMATED LEAST DEPTH OF 89 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM THE VESSEL'S TRACK. (ENTERED MSM 5/90) H10354/90-- OPR-B285-AHP; OBSTRUCTION LOCATED IN LAT. 41-00-04.17N, LONG. 76-26-08.28W. 27.1 METERS LD. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. (UP 9/8/92, SJV)

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-04.34N, LONG. 73-26-08.36W. MBLDOF 85 FEET (26.03 METERS).(ENT 11/10/04, SJV)

Survey Summary

Survey Position: 41° 00' 04.3" N, 073° 26' 08.3" W
Least Depth: 26.10 m (= 85.63 ft = 14.271 fm = 14 fm 1.63 ft)
TPU (±1.96σ): THU (TPEh)[None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072859 00001(022600011C9B0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with complete Reson 7125 MBES. Soundings are corrected to the ellipsoid and reduced to MLLW using VDATUM.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072859 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12624	2.00	126.4	Secondary (grouped)

Hydrographer Recommendations

Update charted depth. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

85ft (12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

26m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 26.099 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12624, is duplicated by AWOIS item 7744. It is recommended that Item 7744 is deleted from the AWOIS database. It is further recommended the charted 85ft wreck is deleted from the chart and the chart is updated with an 85.6ft wreck, at survey position.

Feature Images

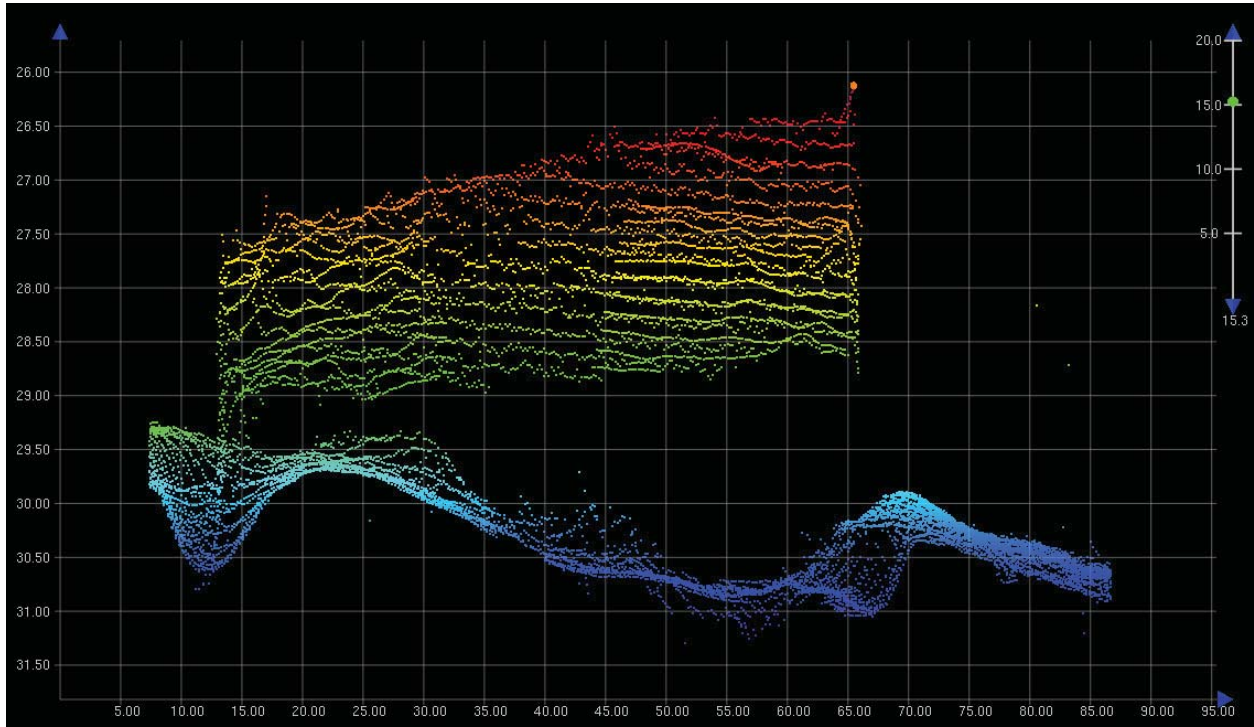


Figure 1.69.1

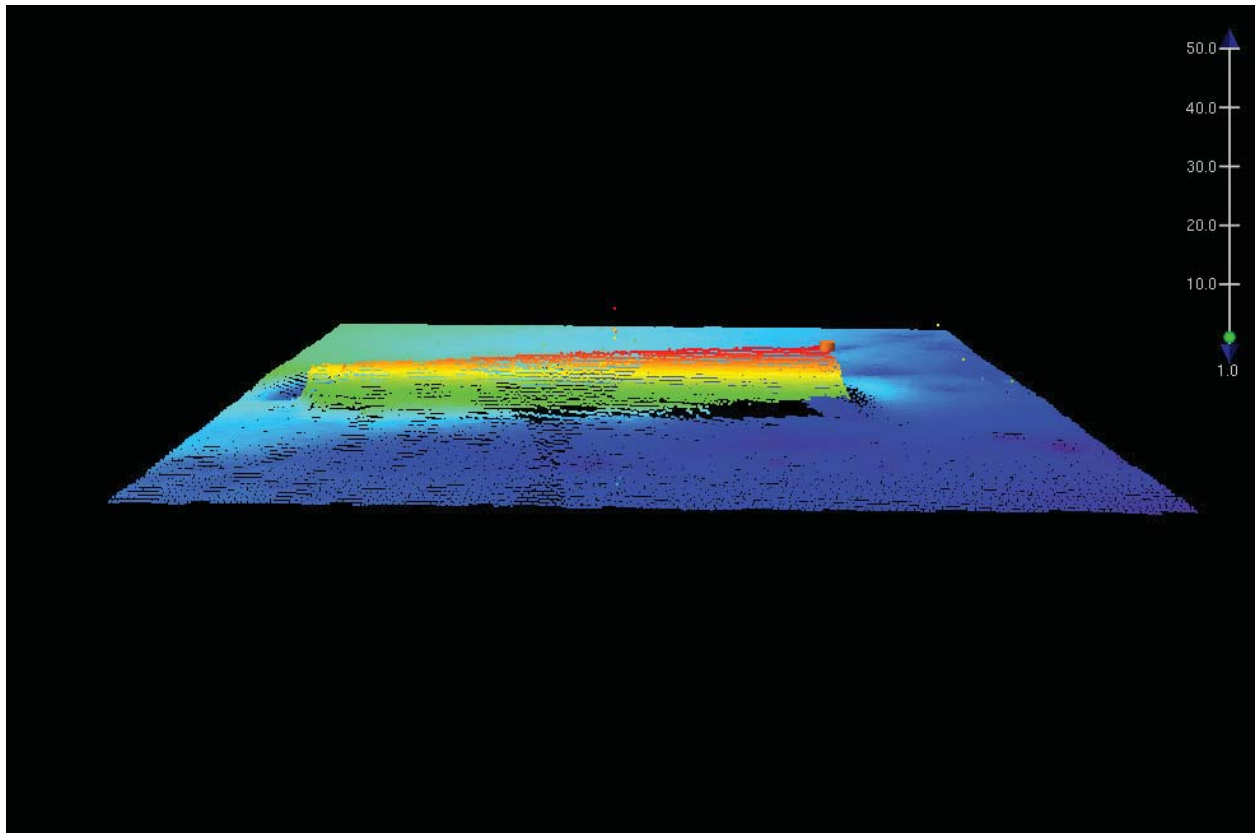


Figure 1.69.2

1.70) AWOIS 12681

Primary Feature for AWOIS Item #12681

Search Position: 41° 00' 04.4" N, 073° 24' 23.5" W
Historical Depth: 47.51 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-04.36N, LONG. 73-24-23.45W. MB LD OF 155.87 FEET (47.51 METERS). (ENT 11/12/04, SJV)

Survey Summary

Survey Position: 41° 00' 04.4" N, 073° 24' 23.5" W
Least Depth: 47.25 m (= 155.03 ft = 25.839 fm = 25 fm 5.03 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072562 00001(022600011B720001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12681 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072562 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12681	2.27	278.2	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, update charted wreck.

Cartographically-Rounded Depth (Affected Charts):

155ft (12368_1, 12364_20, 12364_8, 12363_1)

26fm (12300_1, 13006_1, 13003_1)

47m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 47.254 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: Delete charted 154ft wreck. Chart AWOIS 12681, a 155ft wreck, at survey position.

Feature Images

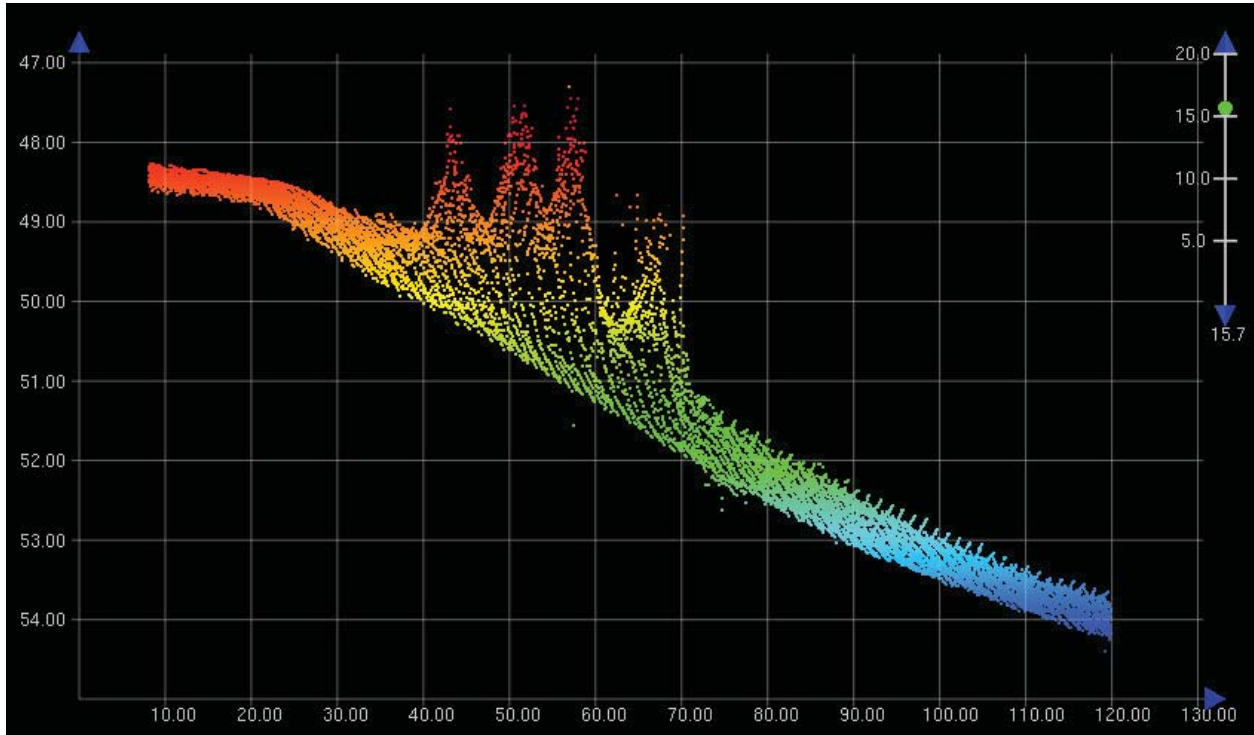


Figure 1.70.1

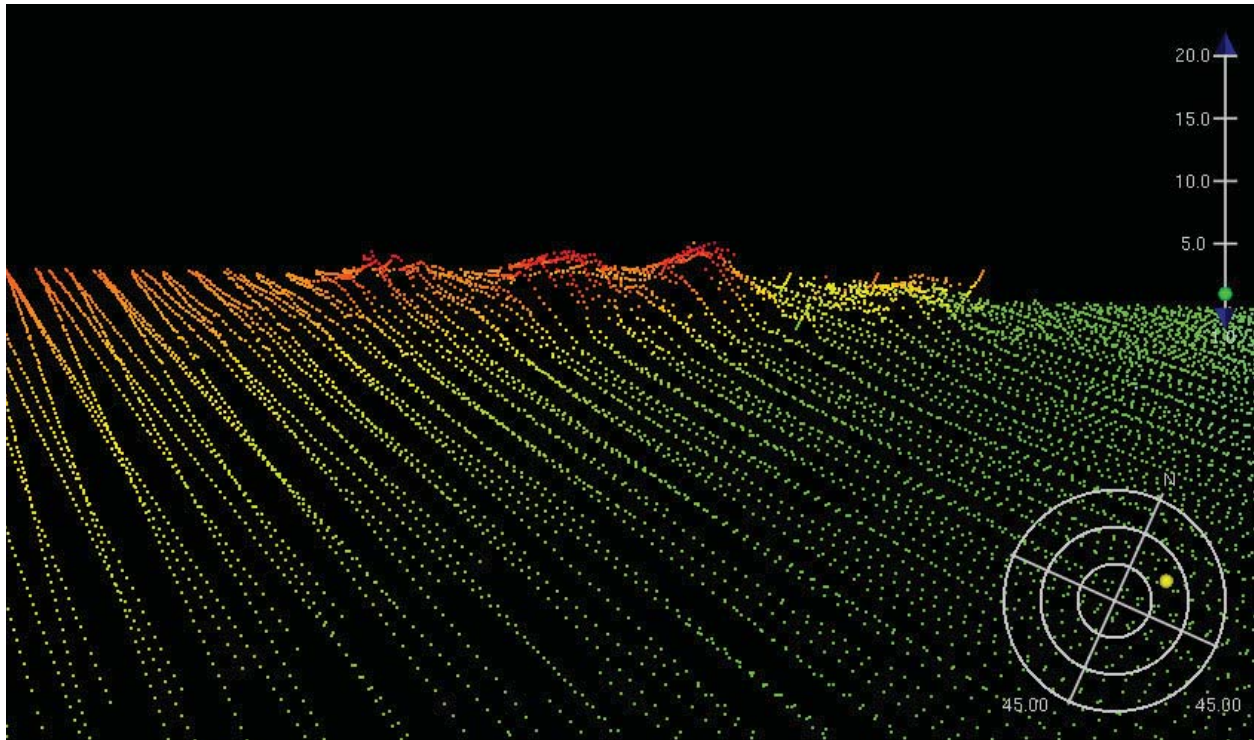


Figure 1.70.2

1.71) AWOIS 11380

Survey Summary

Survey Position: 41° 00' 05.2" N, 073° 24' 39.8" W
Least Depth: 26.23 m (= 86.07 ft = 14.345 fm = 14 fm 2.07 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072566 00001(022600011B760001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11380 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072566 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update AWOIS DB, update charted depth.

Cartographically-Rounded Depth (Affected Charts):

86ft (12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

26m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

History Notes:

HISTORY

S00002/02--S-B600-RU-- Found Ship wreck with nearby deteriorated barge to the North; Deleted 91ft Wk at 41°00'05.47", 73°24'40.12"; Chart 88ft Wks 41°00'05.58" , 73°24'40.34" (RES 8/06/07)
 H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 41-00.09118N, LONG 73-24.66871W (NAD 83) WITH A LEAST DEPTH OF 27.95 METERS (91.6 FEET). CHARTED AS 91 WK. (ENT 02/02, PSH)

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 26.234 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: AWOIS item 11380 is duplicated by AWOIS item 12723. It is recommended that Item 12723 is deleted from the AWOIS database. It is further recommended the charted 88ft wreck is deleted from the chart and the chart is updated with an 86.1ft wreck, at survey position.

Feature Images

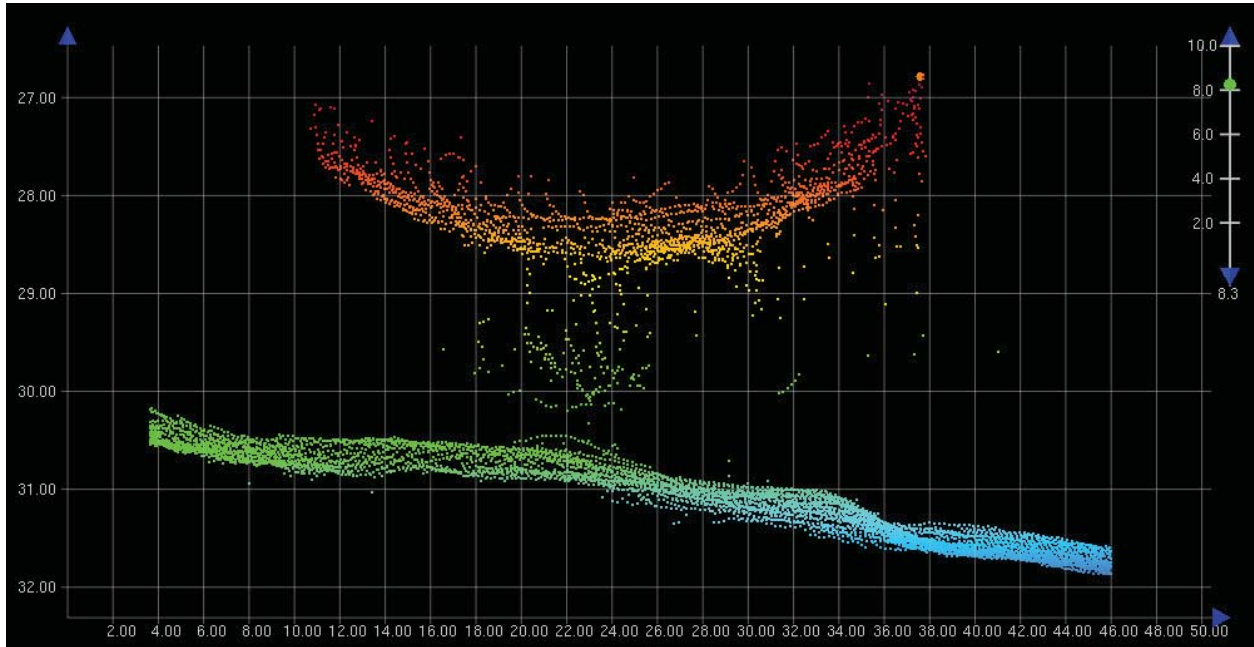


Figure 1.71.1

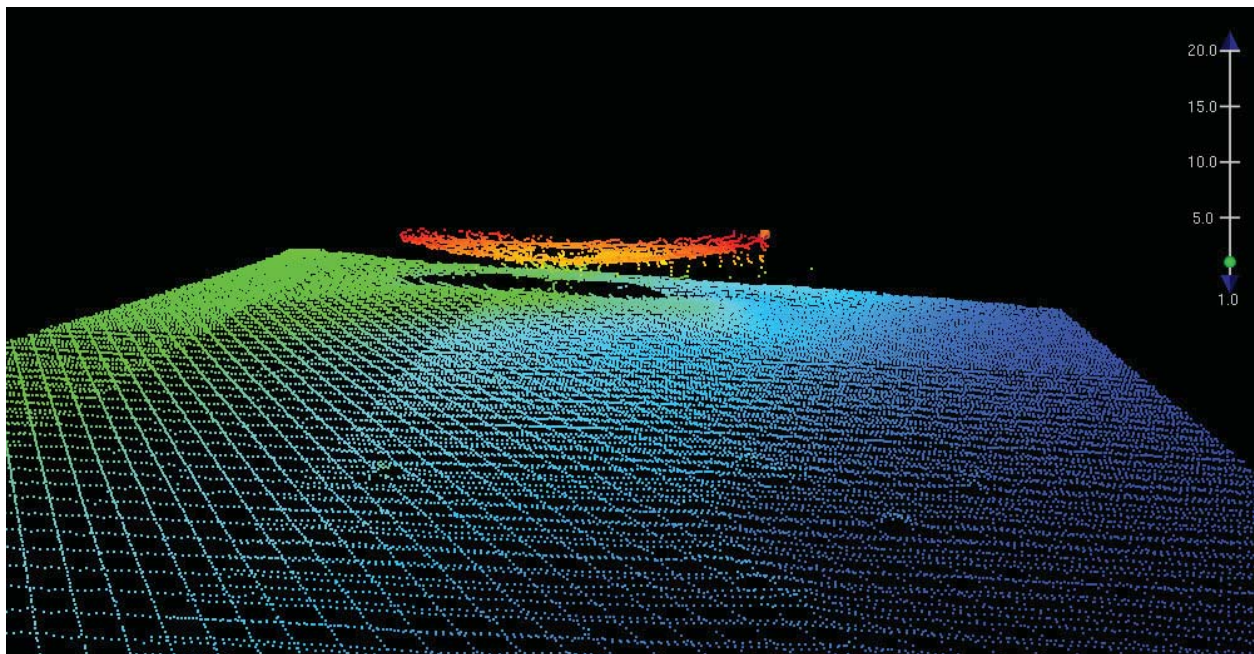


Figure 1.71.2

1.72) AWOIS 12723

Survey Summary

Survey Position: 41° 00' 05.5" N, 073° 24' 40.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072547 00001(022600011B630001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: The notes for AWOIS item 11380 recommended deleting this AWOIS item. There are currently two AWOIS items over the same area.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 11380	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072547 00001	3.45	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature (11380). Defer to cartographer for final chart exposition. Recommend to update the AWOIS database.

COMPILE: AWOIS item 12723 is a duplicate of AWOIS item 12380. Delete duplicate AWOIS database entry for item 12723.

1.73) AWOIS 12620

Primary Feature for AWOIS Item #12620

Search Position: 41° 00' 06.0" N, 073° 26' 22.5" W
Historical Depth: 23.77 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-06.00N, LONG. 73-26-22.54W. MB LD OF 78 FEET (23.94 METERS). (ENT 11/09/04, SJV)

Survey Summary

Survey Position: 41° 00' 06.2" N, 073° 26' 22.2" W
Least Depth: 23.41 m (= 76.81 ft = 12.802 fm = 12 fm 4.81 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072754 00001(022600011C320001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with complete Reson 7125 MBES. Soundings are corrected to the ellipsoid and reduced to MLLW using VDATUM.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072754 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12620	11.19	050.2	Secondary (grouped)

Hydrographer Recommendations

Update charted depth and position. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

77ft (12368_1, 12364_20, 12364_8, 12363_1)

13fm (12300_1, 13006_1, 13003_1)

23m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 23.413 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU. Data points associated with wreck interpreted as a composite unit, also called an integrated tug barge.

COMPILE: Delete charted 78ft wreck. Chart AWOIS 12620, a 76.8ft wreck, at survey position.

Feature Images

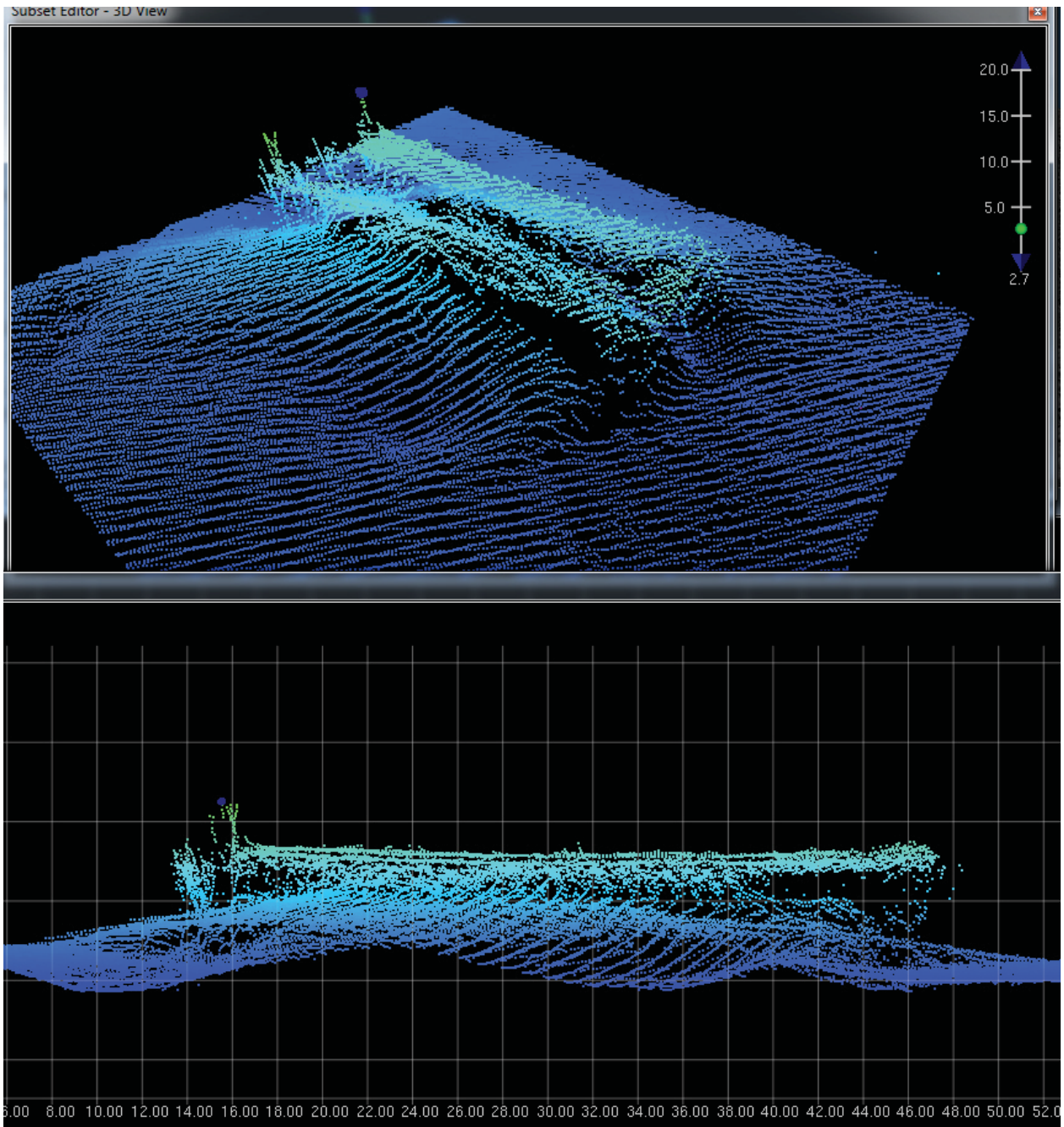


Figure 1.73.1

1.74) AWOIS 7751

Survey Summary

Survey Position: 41° 00' 09.6" N, 073° 25' 51.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073095 00001(022600011D870001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No significant items were found in this area. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 7751	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073095 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN LAT 41-00-09.62N, LONG 73-25-51.31W WITH AN ESTIMATED LEAST DEPTH OF 71 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90)
H10354/90-- OPR-B285-AHP; SHOALER DEPTHS IN IMMEDIATE VICINITY. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. DO NOT CHART OBSTRUCTION. (UP 9/8/92, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update the AWOIS database.

COMPILE: AWOIS 7751 is uncharted and within charted caution area. No charting action. The feature is considered disproved. Update AWOIS database with present survey findings.

1.75) AWOIS 7762

Survey Summary

Survey Position: 41° 00' 10.6" N, 073° 25' 04.9" W
Least Depth: 21.38 m (= 70.14 ft = 11.691 fm = 11 fm 4.14 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072574 00001(022600011B7E0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with complete Reson 7125 MBES. Soundings are corrected to the ellipsoid and reduced to MLLW using VDATUM.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072574 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

70ft (12368_1, 12364_20, 12364_8, 12363_1)

11fm (12300_1, 13006_1, 13003_1)

21m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 21.380 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: AWOIS item 7762 is duplicated by AWOIS item 12636. It is recommended that Item 12636 is deleted from the AWOIS database. It is further recommended the charted 67ft wreck is deleted from the chart and the chart is updated with a 70.1ft wreck, at survey position.

Feature Images

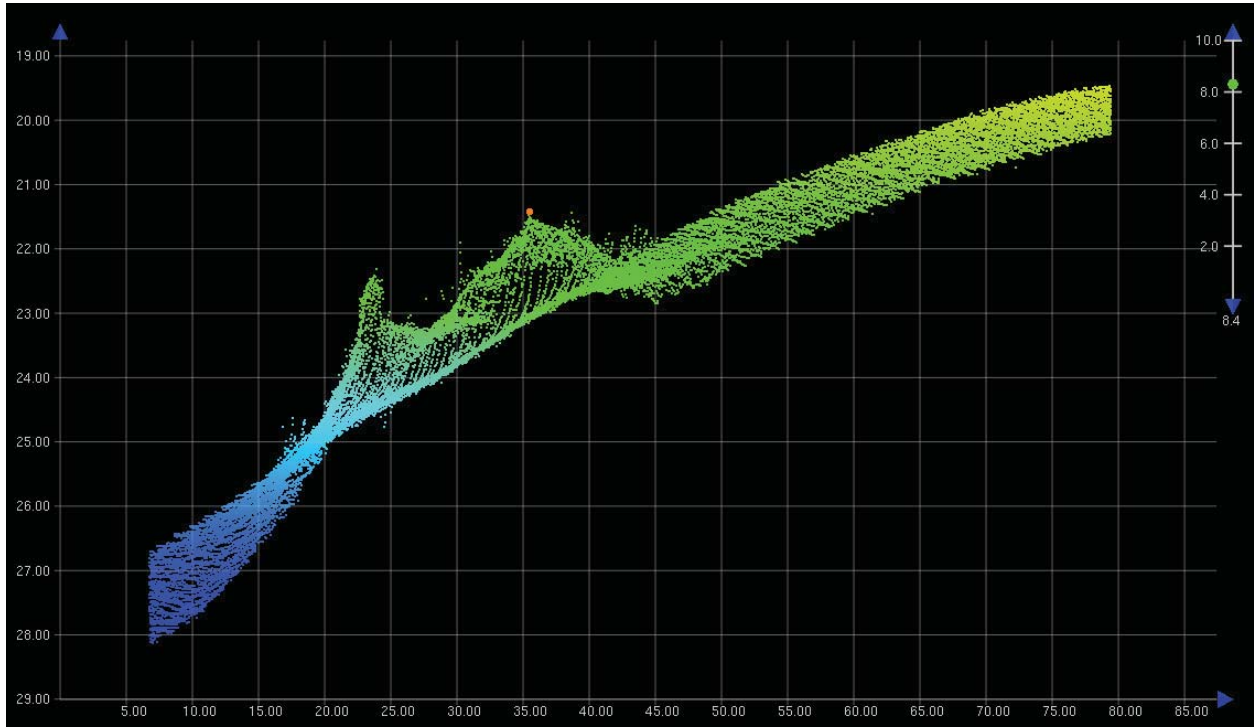


Figure 1.75.1

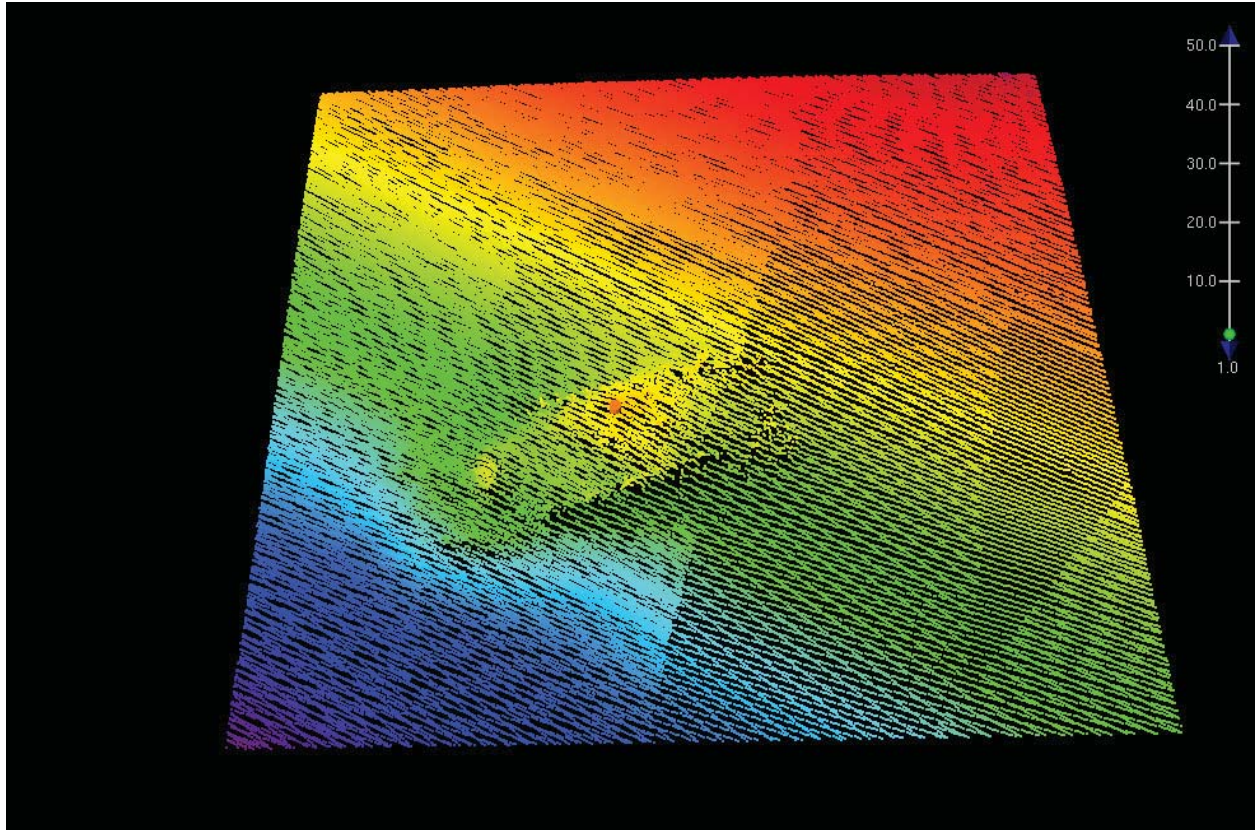


Figure 1.75.2

1.76) AWOIS 12636

Primary Feature for AWOIS Item #7762

Search Position: 41° 00' 10.7" N, 073° 25' 04.5" W
Historical Depth: 20.42 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; TARGET FOUND ON SONARGRAMS THEN ì
 INVESTIGATED WITH ECHOSOUNDER (4M LINE SPACING); APPEARS TO BE ì
 WRECKAGE OF A BARGE WITH DIMENSIONS OF 30M X 10M (SCALED FROM ì
 SONARGRAM); ECHOSOUNDER LEAST DEPTH OF 65 FT.; IN LAT ì
 41-00-10.65N, LONG 73-25-04.34W; HYDROGRAPHER AND EVALUATOR ì
 RECOMMENDED CHARTING 65WK ACCORDING TO SURVEY. (ENTERED MSM 5/90)

H10354/90-- OPR-B285-AHP; NIETHER INVESTIGATED NOR DISCUSSED BY THE
 HYDROGRAPHER. EVALUATOR RECOMMENDS NOT CHARTING SINCE SHOALER DEPTHS EXIST
 ON THE PRESENT SURVEY IN THE IMMEDIATE VICINITY. (UP 11/17/04, SJV)

H10611/95-- OPR-B389-CN; WRECK LOCATED IN LAT. 41-01-10.70N, LONG. 73-25-04.60W. MB LD
 OF 66 FEET (20.3 METERS).(UP 11/17/04, SJV)

S00002/02--S-B600-RU--Wreck found deeper than charted; Delete 66ft Wk in Lat 41°00'10.65", Long.
 73°25'04.34", Chart 67ft Wk in Lat. 41°00'10.70", Long. 73°25'04.47" (RES 8/13/07).

Survey Summary

Survey Position: 41° 00' 10.7" N, 073° 25' 04.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073096 00001(022600011D880001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item is duplicated with AWOIS item 7762. Item 7762 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12636	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073096 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Delete from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate AWOIS feature (7762). Defer to cartographer for final chart exposition. Recommend not to delete from the AWOIS database, but update the database. Current survey data documents a 70ft Wreck.

COMPILE: AWOIS item 12636 is a duplicate of AWOIS item 7762. Delete duplicate AWOIS database entry for item 12636.

1.77) AWOIS 4454

Primary Feature for AWOIS Item #4454

Search Position: 41° 00' 12.3" N, 073° 26' 29.7" W
Historical Depth: 22.86 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

CL1095/86--PRIV. DIVER; WRECK OF BARGE IN 75FT, LORAN-C RATES PROVIDED AND CONVERTED,9960 X-26818.0, Y-43982.4, LAT 41-00-31N, LONG 73-26-59W; FOR FURTHER INFORMATION CONTACT MR. LADA SIMEK, 57 S. HIGHLAND AVE., OSSINING, N.Y. 10562 TEL. 914-941-0610. (ENTERED 10/86 RWD)

FE320SS/88--OPR-B660-RU-88; 200% SIDE SCAN SONAR FOR 700M SEARCH RADIUS; LOCAL DIVERS AND FISHERMEN REPORTED THAT THE AREA IS LITTERED WITH WRECKS, MOSTLY BARGES; ONE SIGNIFICANT CONTACT WAS FOUND IN LAT 41-00-12.32N, LONG 73-26-29.67W; DIVER INVESTIGATION ATTEMPTED BUT ABORTED DUE TO STRONG CURRENTS; APPEARS TO BE A WOODEN WRECK; DIMENSIONS FROM SSS RECORDS SHOW THE WRECK TO BE APPROXIMATELY 25 X 7 FT.; 75 FT. ECHO SOUNDER LEAST DEPTH; EVALUATOR BELIEVES THIS CONTACT IS THE AWOIS ITEM BUT DUE TO THE LARGE NUMBER OF WRECK IN THE AREA, IT CANNOT BE POSITIVELY IDENTIFIED; HYDROGRAPHER AND EVALUATOR RECOMMENDED CHARTING A NONDANGEROUS WRECK, 75 WK(BARGE). (UPDATED MSM 5/90)
H10354/90-- OPR-B285-AHP; WRECK NOT LOCATED. HOWEVER, SCOUR IN VICINITY MAY INDICATE PRESENCE OF WRECK. EVALUATOR RECOMMENDS CHARTING FROM PRIOR SURVEY. (UP 9/8/92, SJV)

H10611/95-- OPR-B389-CN; SEARCH AREA OUTSIDE NORTH EDGE OF SURVEY AREA AND ONLY A PORTION OF ITS 100-METER SEARCH RADIUS IS INCLUDED IN THE AREA. A WRECK WITH A LD OF 23.94 METERS (78.54 FEET) LIES APPROX. 200 METERS SOUTHEAST OF AWOIS 4454. (UP 11/8/04, SJV)

Survey Summary

Survey Position: 41° 00' 12.6" N, 073° 26' 29.6" W
Least Depth: 24.51 m (= 80.42 ft = 13.404 fm = 13 fm 2.42 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072732 00001(022600011C1C0001)
Charts Affected: 12368_1, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with complete Reson 7125 MBES. Soundings are corrected to the ellipsoid and reduced to MLLW using VDATUM.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072732 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 4454	8.75	021.2	Secondary (grouped)

Hydrographer Recommendations

Update charted wreck. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

80ft (12368_1, 12364_8, 12363_1)

13fm (12300_1, 13006_1, 13003_1)

25m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 24.513 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: Delete charted 75ft wreck. Chart AWOIS 4554, an 80.4ft wreck, at survey position.

Feature Images

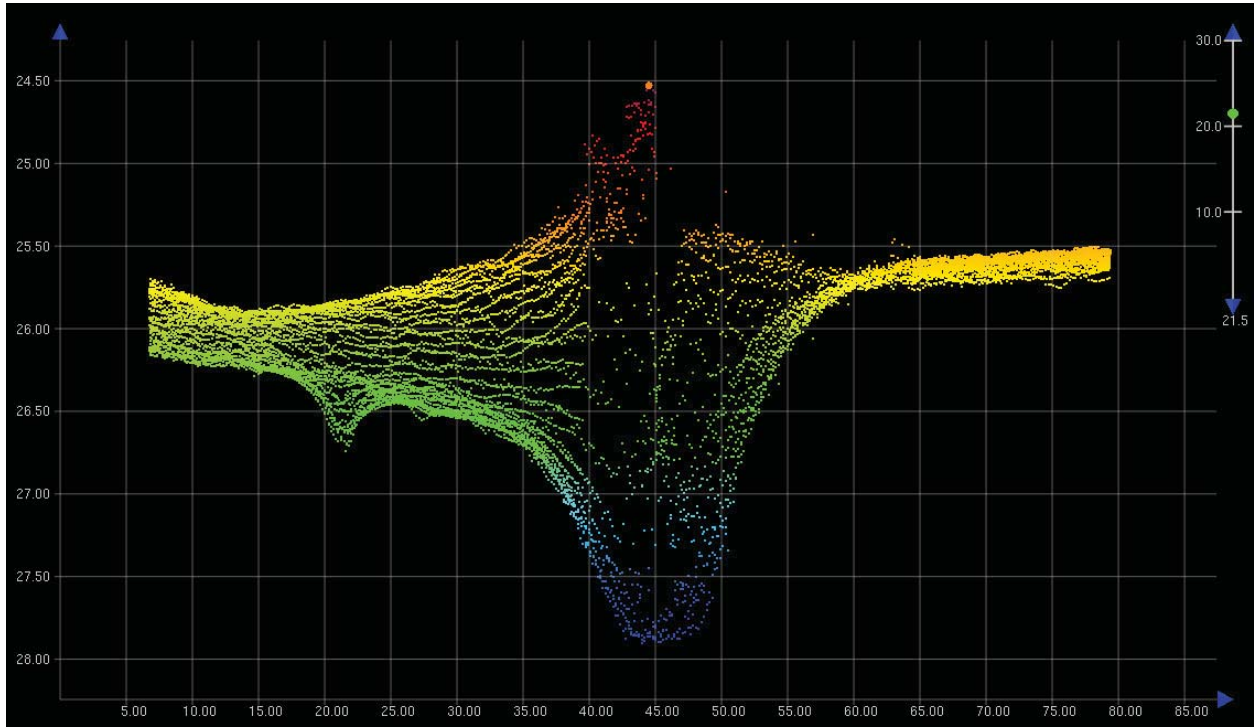


Figure 1.77.1

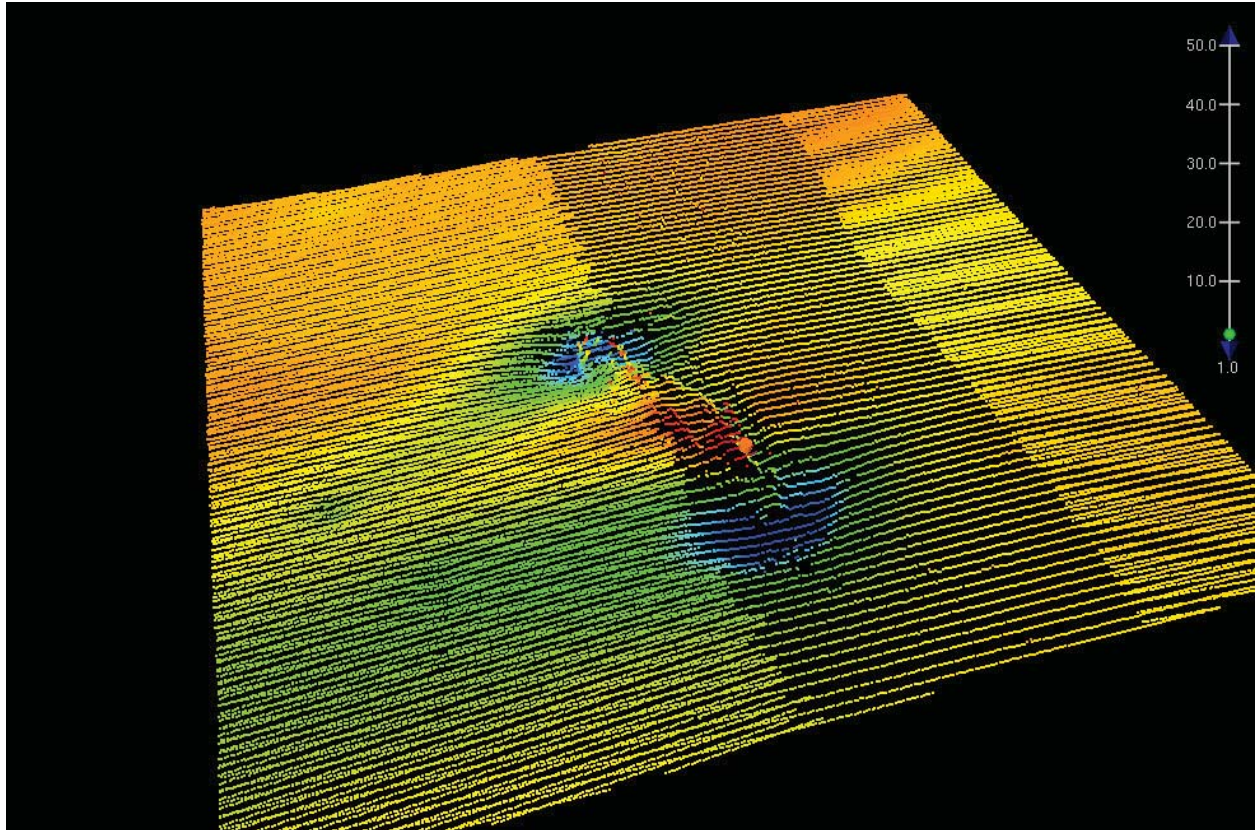


Figure 1.77.2

1.78) AWOIS 14081

Survey Summary

Survey Position: 41° 00' 14.6" N, 073° 24' 22.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073206 00001(022600011DF60001)

History Notes:

S00002/02--S--B600-RU--Deteriorated Barge; Not Charted, Numerous sunken wrecks in area (RES 9/20/07).

Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No indication of a sunken barge was found. Area was searched with Reson 7125 complete MBES.

\$CSYMB/invreq: Type: WRECK, Itemstatus: COMPLETED, Searchtype: FULL, Technique: MB, SSS

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 14081	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073206 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update the AWOIS database.

COMPILE: AWOIS 14081 is uncharted and within charted caution area. No charting action. Consider Item disproved. Update area based on present survey findings.

1.79) AWOIS 11378

Survey Summary

Survey Position: 41° 00' 15.0" N, 073° 25' 04.0" W
Least Depth: 14.92 m (= 48.94 ft = 8.156 fm = 8 fm 0.94 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072542 00001(022600011B5E0001)

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED OBSTRUCTION LOCATED IN LAT. 41-00-15.00N, LONG. 73-25-04.07W. MB LD OF 49.02 FEET (14.94 METERS). (ENT 11/16/04, SJV)

Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

OBSTRN/remrks: AWOIS item found with complete Reson 7125 MBES. Soundings are corrected to the ellipsoid and reduced to MLLW using VDATUM.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072542 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

49ft (12368_1, 12364_20, 12364_8, 12363_1)

8fm (12300_1, 13006_1, 13003_1)

14.9m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)

Attributes: EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart obstruction
 QUASOU - 6:least depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 14.916 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU. Feature includes straight lines and square corners; appears man made.

COMPILE: Delete charted 47ft obstruction. Chart AWOIS 11378, a 48.9ft obstruction, at survey position.

Feature Images

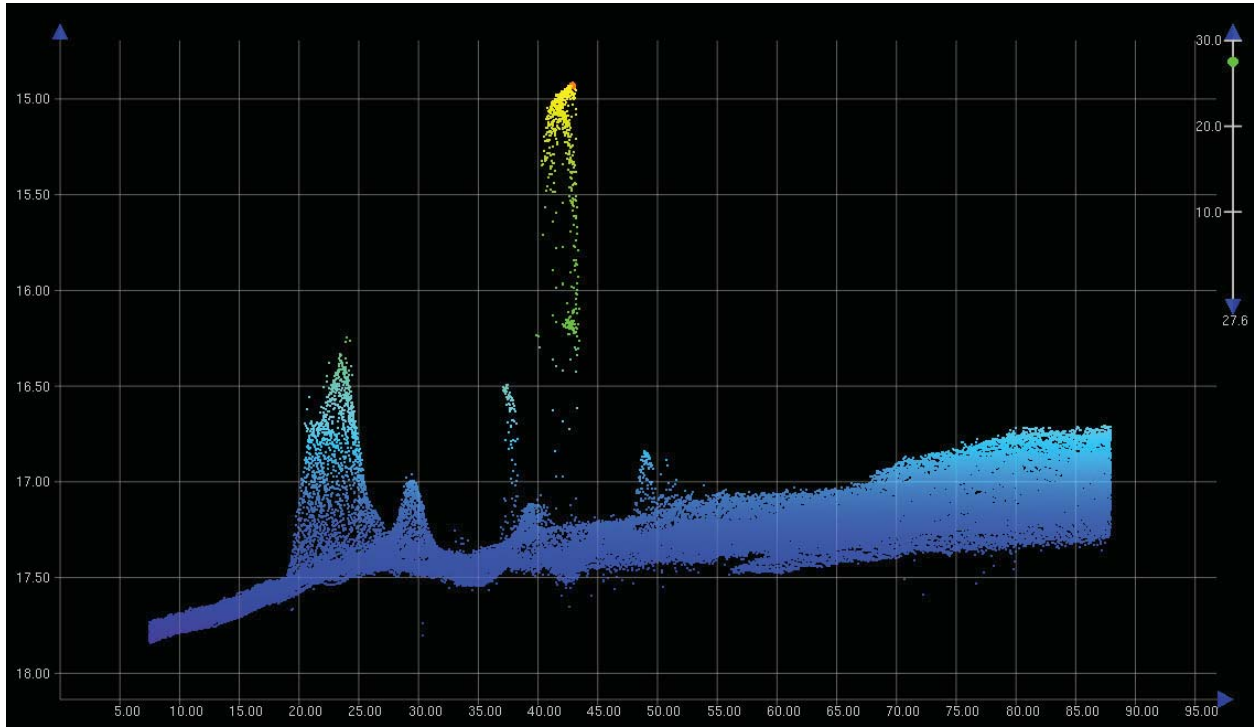


Figure 1.79.1

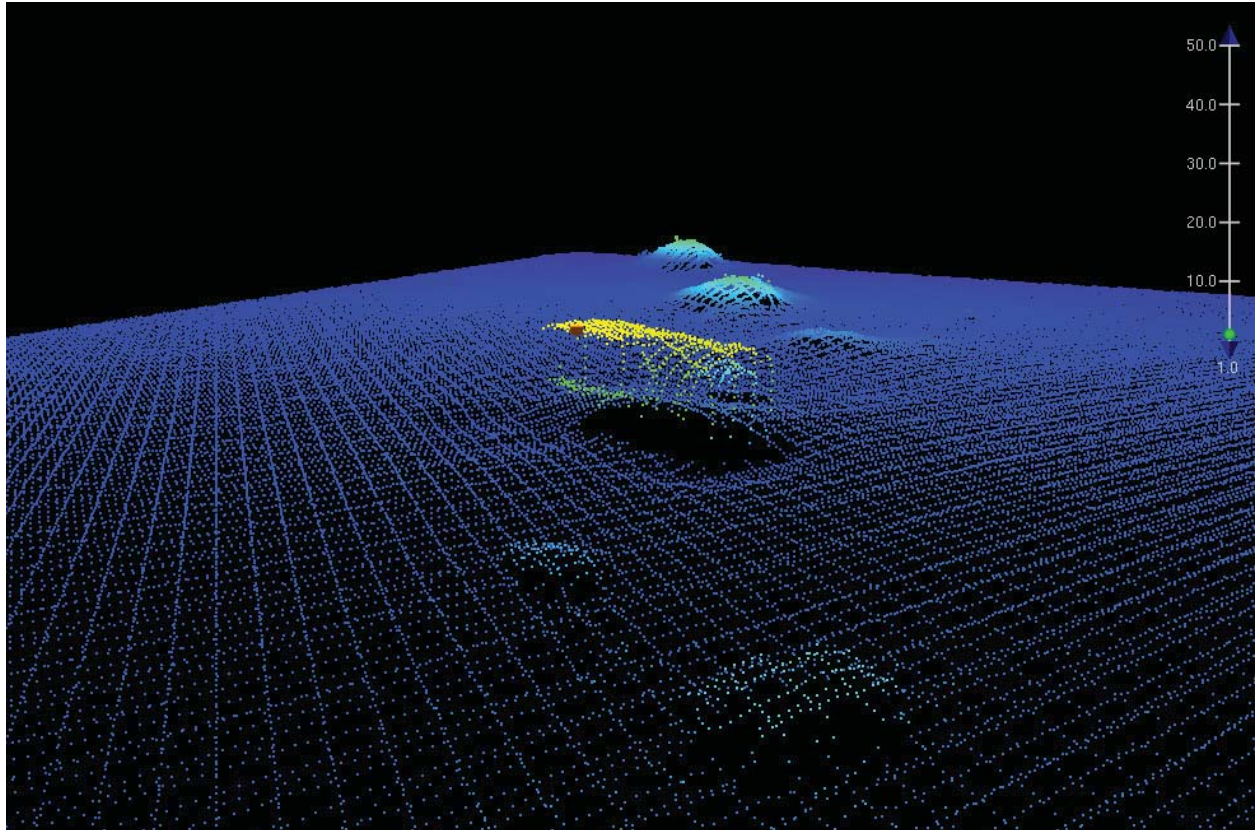


Figure 1.79.2

1.80) AWOIS 12621

Survey Summary

Survey Position: 41° 00' 17.8" N, 073° 25' 38.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073204 00001(022600011DF40001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: Sparse remains of a wreck were found over this AWOIS item's location. Nothing of significant height was found.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12621	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073204 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Delete from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-17.78N, LONG. 73-25-38.38W. MB LD OF 80 FEET (24.48 METERS). (ENT 11/09/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. MB data indicates something at this location but the feature type does not include positive identification as a wreck. Recommend to update the AWOIS database. Defer final charting disposition to AHB compile team.

COMPILE: AWOIS 12621 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

1.81) AWOIS 7755

Primary Feature for AWOIS Item #12728

Search Position: 41° 00' 18.1" N, 073° 25' 57.6" W

Historical Depth: 21.34 m

Search Radius: 0

Search Technique: [None]

Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED AT LAT 41-00-18.88N, LONG 073-25-57.87W WITH AN ESTIMATED LEAST DEPTH OF 72 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90)
H10354/90-- OPR-B285-AHP; SHOALER DEPTHS LOCATED IN IMMEDIATE VICINITY. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. DO NOT CHART OBSTRUCTION. (UP 9/8/92, SJV)

Survey Summary

Survey Position: 41° 00' 18.0" N, 073° 25' 57.9" W

Least Depth: [None]

TPU ($\pm 1.96\sigma$): THU (TPEh)[None] ; TVU (TPEv) [None]

Timestamp: 2012-271.00:00:00.000 (09/27/2012)

Dataset: H12412_AWOIS.000

FOID: US 0000073203 00001(022600011DF30001)

Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 7755 is the same object as AWOIS item 12728. Item 12728 has more recent history.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: COMPLETED, Searchtype: INFORMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 7755	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073203 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Delete item from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
NTXTDS - ENC US5CN11M,ED24,Update 3
SORDAT - 20120927
SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate AWOIS entry associated with AWOIS Item 12728. MB data alone does not definitively portray the wreck. SS imagery not available for interpretation. Survey technique was inadequate for positive identification as a wreck. Recommend to update the AWOIS database and delete charted 71ft Wreck. Defer to cartographer for final charting disposition.

COMPILE: AWOIS item 7755 is a duplicate of AWOIS item 12728. Delete duplicate AWOIS database entry for item 7755.

1.82) AWOIS 7678

Primary Feature for AWOIS Item #7678

Search Position: 41° 00' 23.3" N, 073° 24' 42.6" W
Historical Depth: 16.76 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; LORAN C RATES PROVIDED BY MR. RICHARD TARACKA TO RUDE; SIDE SCAN SONAR AND ECHOSOUNDER INVESTIGATION; APPEARS TO BE A ROCK; ECHOSOUNDER LEAST DEPTH OF 56 FT.; FATHOGRAM INDICATES THAT IT RISES 7 FT. OFF THE BOTTOM; LAT 41-00-23.30N, LONG 73-24-42.63; EVALUATOR RECOMMENDED CHARTING 56RK. (ENTERED MSM 5/90)
 H10354/90-- OPR-B285-AHP; BROUGHT FORWARD AS A 17.1 METER ROCK. (UP 9/8/92, SJV)

DESCRIPTION

195 LORAN C RATES PROVIDED BY MR. RICHARD TARACKA, GREENWICH, CT. POLICE DEPARTMENT, TEL NO 203-622-8020; 9960-X 26797.7, 9960-Y 43976.1; LOCATED IN A DISCONTINUED DUMP SITE; LAT 41-00-17.2N, LONG 73-25-00.51W (COMPUTED FROM LORAN RATES). (ENTERED MSM 4/90)

S00002/02--S-B600-RU--Chart 55 depth in Lat. 41°00'23.19", Long. 73°24'42.32" (RES 8/06/07).

Survey Summary

Survey Position: 41° 00' 23.3" N, 073° 24' 42.5" W
Least Depth: 16.67 m (= 54.70 ft = 9.117 fm = 9 fm 0.70 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072536 00001(022600011B580001)

Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

UWTROC/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072536 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 7678	2.56	085.8	Secondary (grouped)

Hydrographer Recommendations

Chart a rock. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

54ft (12368_1, 12364_20, 12364_8, 12363_1)

9fm (12300_1, 13006_1, 13003_1)

16.7m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes: EXPSOU - 2:shoaler than range of depth of the surrounding depth area

NINFOM - No action

QUASOU - 6:least depth known

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 16.673 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 7678 is uncharted and within charted caution area. It is recommended a dangerous rock with a least depth of 54.7ft rock is charted in the present survey position.

Feature Images

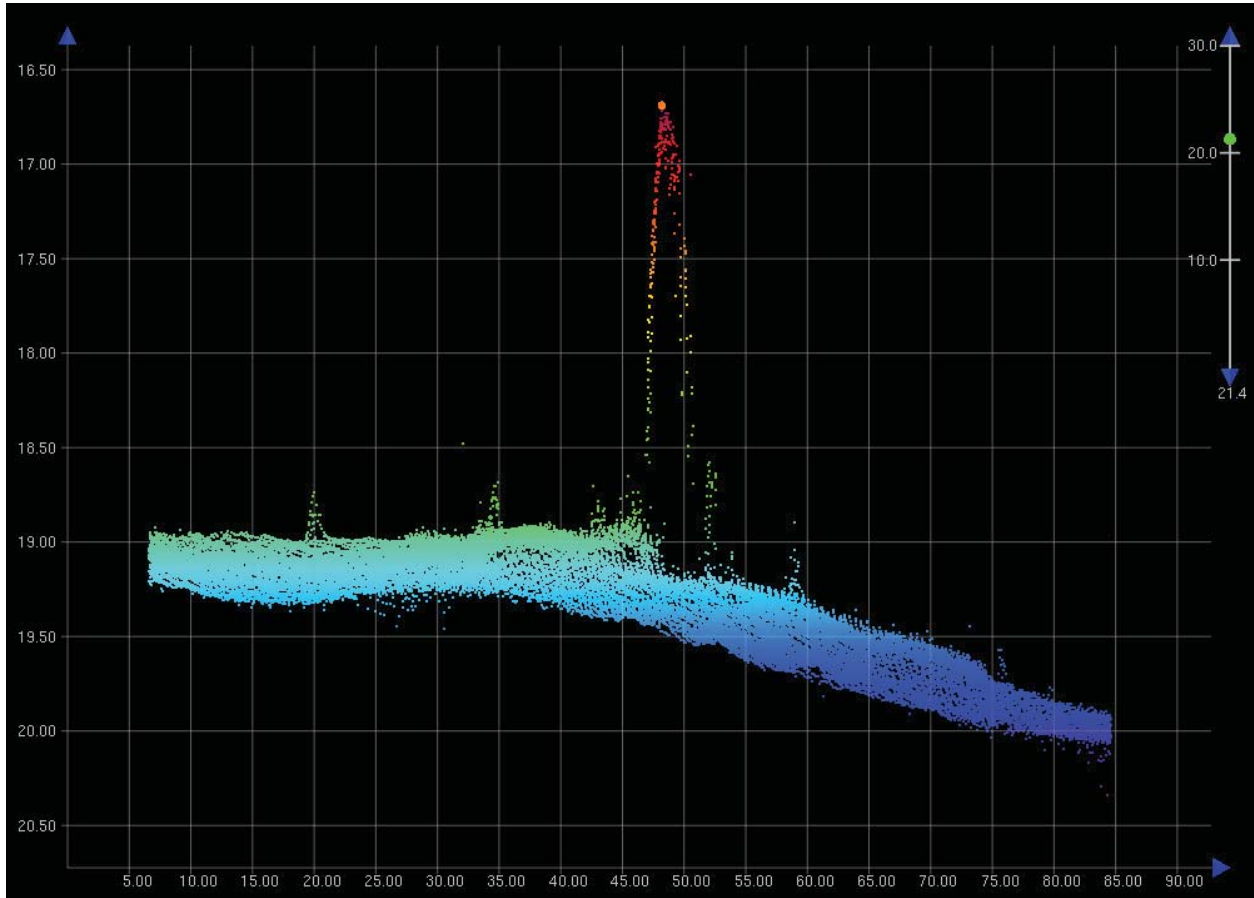


Figure 1.82.1

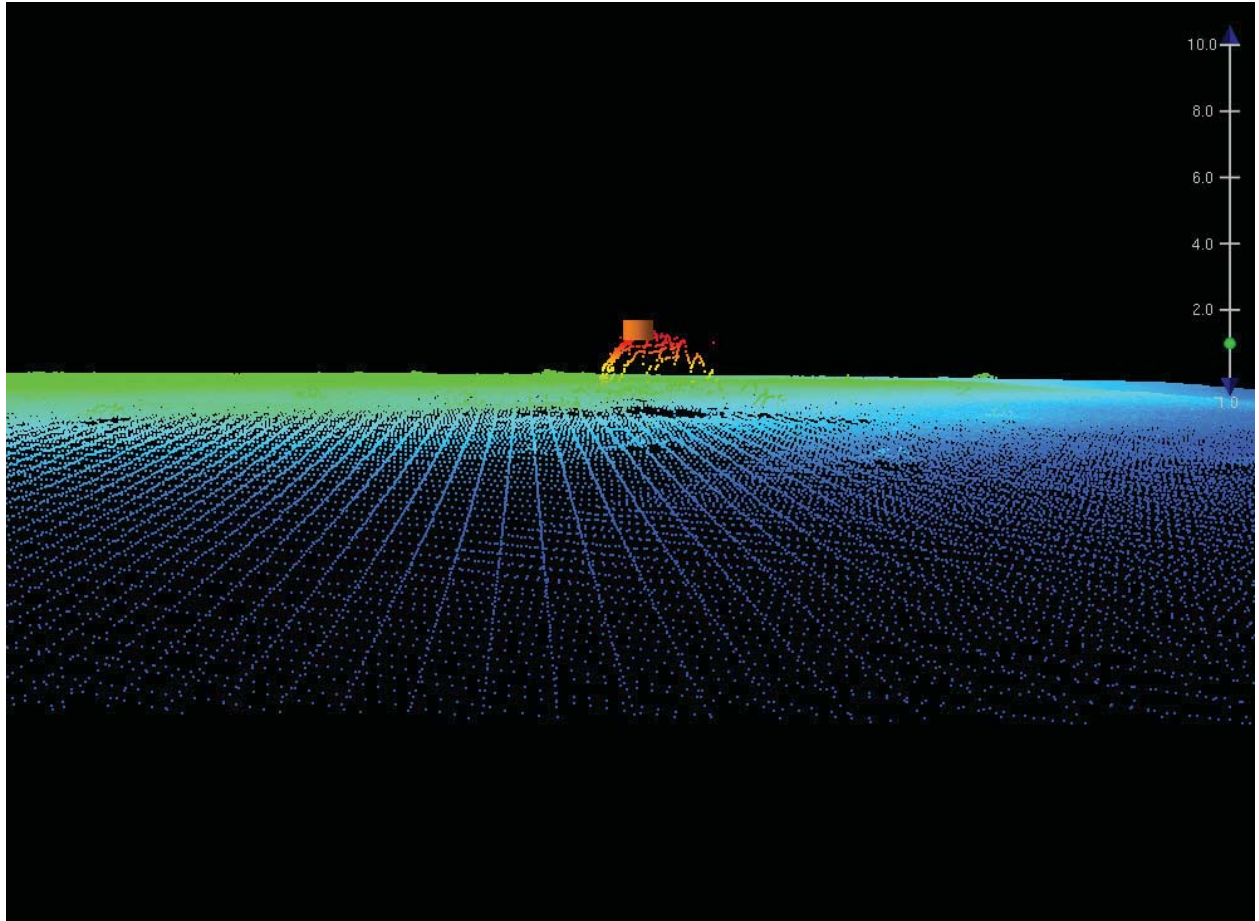


Figure 1.82.2

1.83) AWOIS 11379

Primary Feature for AWOIS Item #11379

Search Position: 41° 00' 24.1" N, 073° 25' 02.4" W
Historical Depth: 10.67 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; ROCK LOCATED BY MULTIBEAM IN LAT 41-00.39248N, LONG 73-25.04299W (NAD 83) WITH A LEAST DEPTH OF 10.38 METERS (34.0 FEET). CHARTED AS 34 RK WITHOUT DANGER CURVE AND BLUE TINT. 34-FOOT SOUNDING IS ENCLOSED BY A 30-FOOT DEPTH CURVE. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB development of entire shoal Outcrop of rocks in this area; Delete 34ft Rk w/danger curve in Lat. 41°00'23.550", Long. 73°25'02.580", Chart 35ft Rk w/danger curve in Lat. 41°00'24.124", Long. 73°25'02.42" (RES 8/09/07).

Survey Summary

Survey Position: 41° 00' 23.6" N, 073° 25' 02.6" W
Least Depth: 10.37 m (= 34.01 ft = 5.668 fm = 5 fm 4.01 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073065 00001(022600011D690001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

UWTROC/remrks: AWOIS item is a rock in a larger rocky area. This rock is the shoalest in the area. Rock was found with complete Reson 7125 MBES. Soundings are corrected to the ellipsoid and reduced to MLLW using VDATUM.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073065 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11379	16.46	190.6	Secondary (grouped)

Hydrographer Recommendations

Delete from AWOIS db. Remove dangerous rock and update with non-dangerous rock.

Cartographically-Rounded Depth (Affected Charts):

34ft (12368_1, 12364_20, 12364_8, 12363_1)

5 ½fm (12300_1, 13006_1, 13003_1)

10.4m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes: EXPSOU - 2:shoaler than range of depth of surrounding depth area

NINFOM - Chart rock

QUASOU - 6:least depth known

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 10.366 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 11379 is charted and within charted caution area. The feature was found by the present survey. Delete charted 35ft rock. chart a dangerous rock with a least depth of 34.0ft in the present survey position.

Feature Images

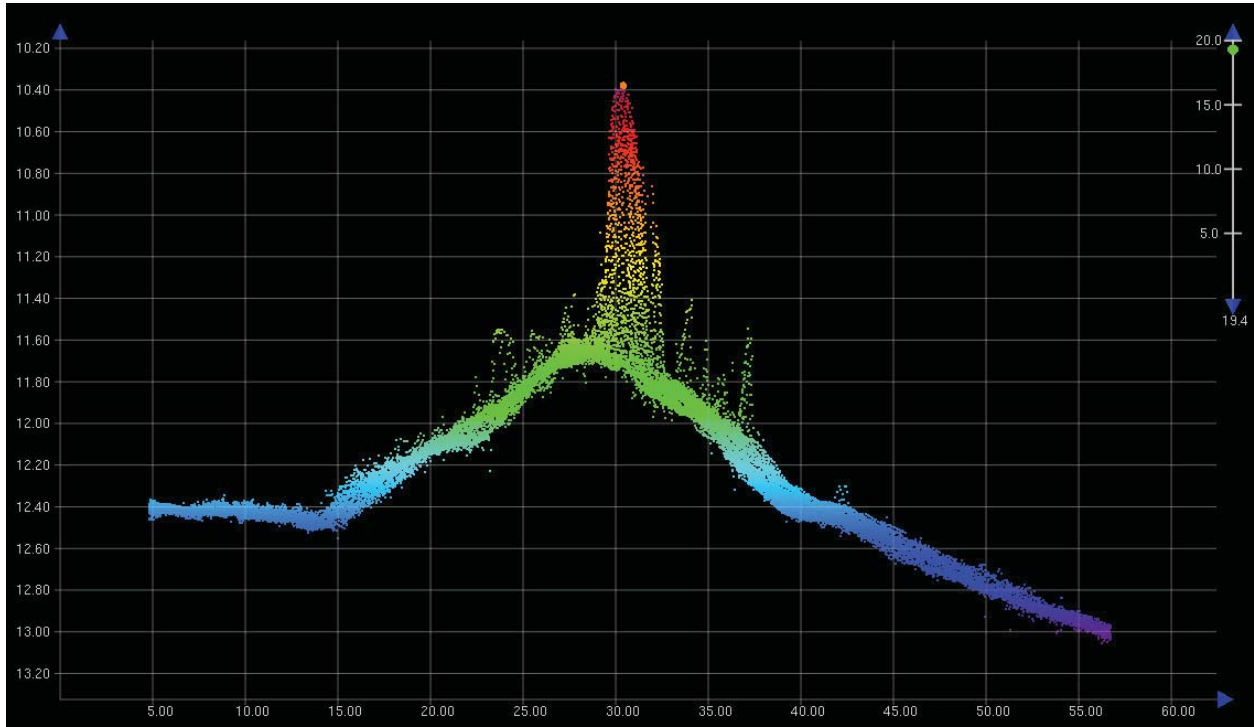


Figure 1.83.1

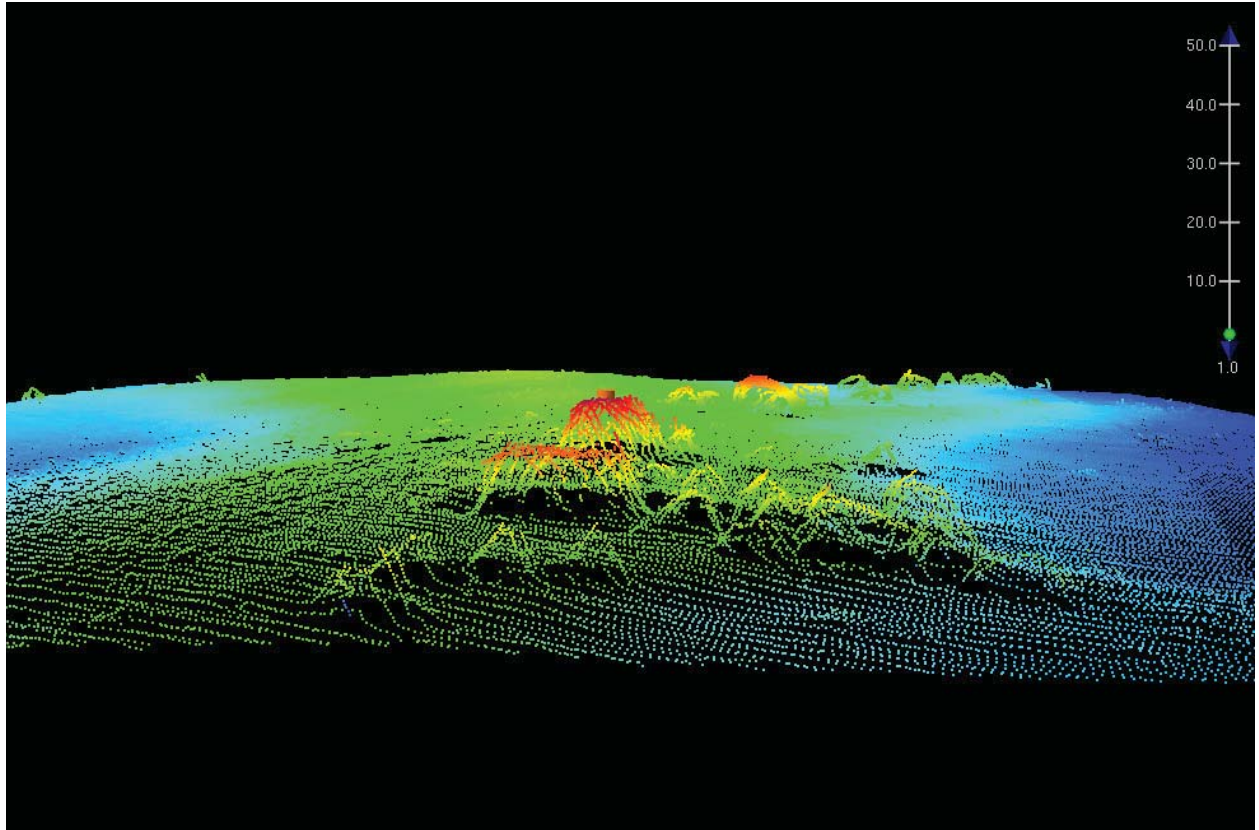


Figure 1.83.2

1.84) AWOIS 7677

Survey Summary

Survey Position: 41° 00' 24.8" N, 073° 25' 26.2" W
Least Depth: [None]
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073112 00001(022600011D980001)

History Notes:

HISTORY
 H10354/90-- OPR-B285-AHP; NOT ADDRESSED. (UP 9/8/92, SJV)
 DESCRIPTION
 195 LORAN C RATES PROVIDED BY MR. RICHARD TARACKA, GREENWICH, CT. POLICE DEPARTMENT, TEL NO 203-622-8020; 9960-X 26801.9, 9960-Y 43977.9; LOCATED IN DISCONTINUED DUMP SITE; LAT 41-00-24.4N, LONG 73-25-27.8W (POSITION CONVERTED FROM LORAN C RATES. (ENTERED MSM 4/90)

Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No item was found in this vicinity. Area was searched with complete Reson 7125 MBES. Soundings are corrected to the ellipsoid and reduced to MLLW using VDATUM.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: ASSIGNED, Searchtype: INFORMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 7677	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073112 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Delete from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. AWOIS 7677 does not describe the feature type for the intended search. No evidence of this feature was found. Recommend to update the AWOIS database.

COMPILE: AWOIS 7677 is uncharted and within charted caution area. The feature has been disproved by the present survey. No charting action. Update AWOIS database.

1.85) AWOIS 7668

Primary Feature for AWOIS Item #7668

Search Position: 41° 00' 31.3" N, 073° 24' 48.4" W
Historical Depth: 14.63 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; LORAN C RATES PROVIDED BY MR. RICHARD TARACKA TO RUDE; SIDE SCAN SONAR AND ECHOSOUNDER INVESTIGATION; TARGET APPEARS TO BE A ROCK; FATHOGRAM INDICATES IT RISES 8 FT OFF THE BOTTOM; ECHOSOUNDER LEAST DEPTH OF 50 FT.; EVALUATOR RECOMMENDED CHARTING AS 50RK. (ENTERED MSM 5/90)
 H10354/90-- OPR-B285-AHP; BROUGHT FORWARD AS A 15.2 METER ROCK. (UP 9/8/92, SJV)

DESCRIPTION

195 LORAN C RATES PROVIDED BY MR. RICHARD TARACKA, GREENWICH, CT. POLICE DEPARTMENT, 203-622-8020; 9960-X 26797.9, 9960-Y 43977.6; LAT 41-00-27.60N, LONG 73-24-58.45W. (ENTERED MSM 3/90)

S00002/02--S-B600-RU--Delete 50ft Rk in Lat. 41°00'31.07", Long. 73°24'48.28" Chart 48ft Rk in lat. 41°00'31.28", Long. 73°24'48.43" (RES 8/06/07)

Survey Summary

Survey Position: 41° 00' 31.1" N, 073° 24' 48.3" W
Least Depth: 14.74 m (= 48.35 ft = 8.059 fm = 8 fm 0.35 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072826 00001(022600011C7A0001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

UWTROC/remrks: Charted rock (AWOIS item 7668) found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072826 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 7668	5.25	151.7	Secondary (grouped)

Hydrographer Recommendations

Update chart.

Cartographically-Rounded Depth (Affected Charts):

48ft (12368_1, 12364_20, 12364_8, 12363_1)

8fm (12300_1, 13006_1, 13003_1)

14.7m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes: EXPSOU - 2:shoaler than range of depth of surrounding depth area
 NINFOM - Chart rock
 QUASOU - 6:least depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412
 TECSOU - 3:found by multi-beam
 VALSOU - 14.738 m
 WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Delete charted 48ft rock . Chart AWOIS 7668, a 48.4ft rock, at survey position.

Feature Images

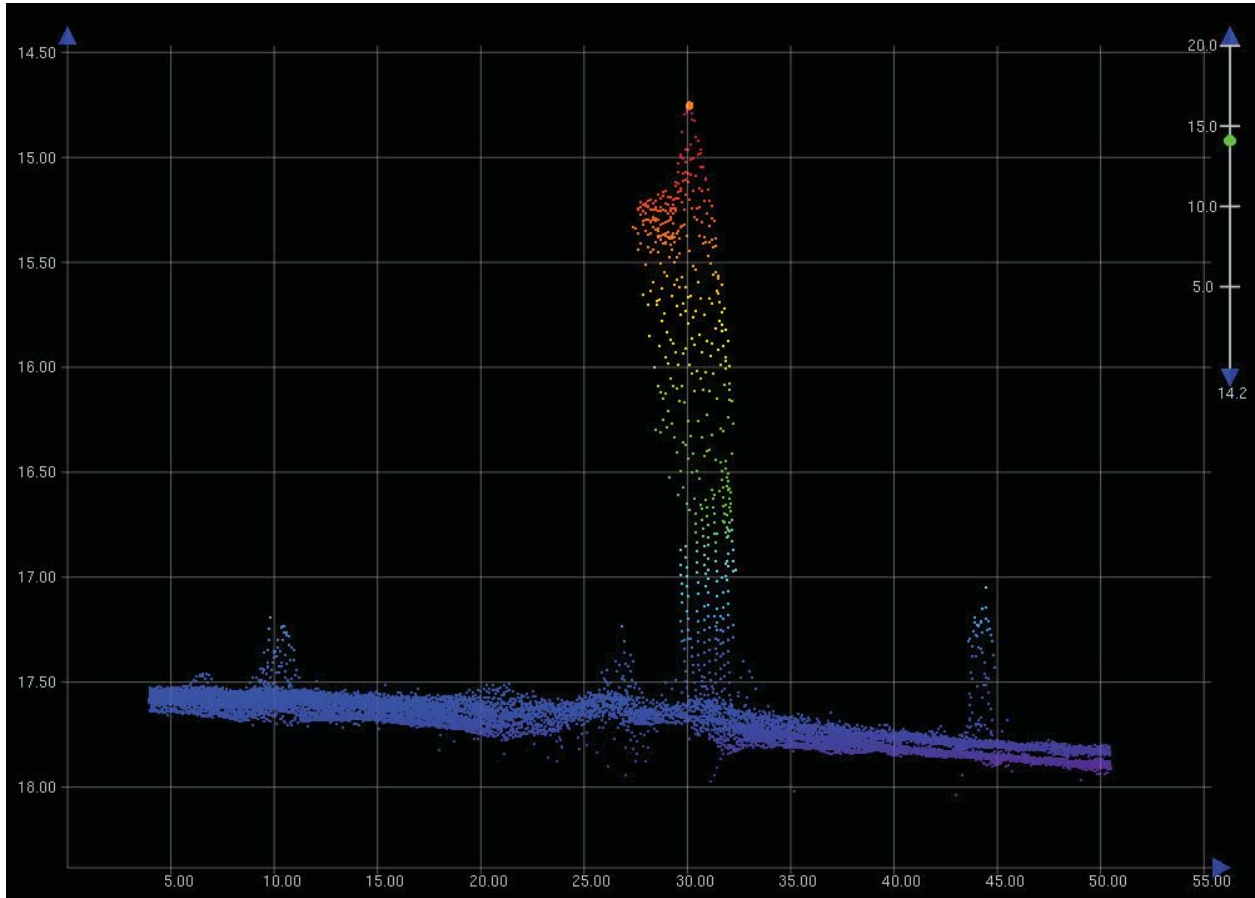


Figure 1.85.1

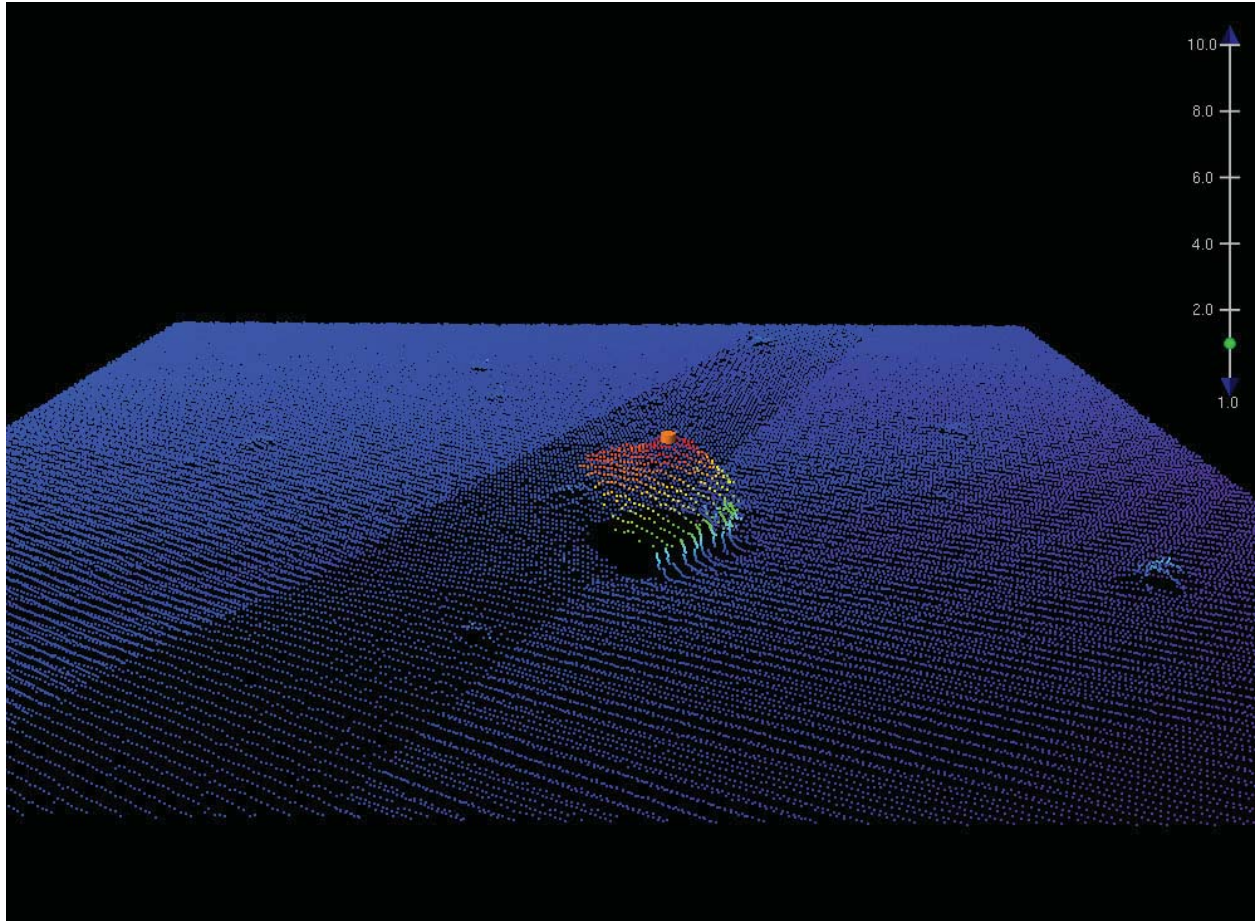


Figure 1.85.2

1.86) AWOIS 6802

Primary Feature for AWOIS Item #6802

Search Position: 41° 00' 52.2" N, 073° 25' 18.6" W
Historical Depth: 8.53 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H5142/31WD--25 FT SOUNDING IDENTIFIED AS BOULDERS WITH 22 FT
 CLEARED DEPTH TAKEN IN LAT 41-00-49.97N, LONG 73-25-19.85W.
 (ENT MSM 5/88)

FE320SS/88--OPR-B660-RU-88; 200% SIDE SCAN SONAR FOR 75M RADIUS
 INDICATED A ROCKY SHOAL WITHIN THE SEARCH AREA; SHOAL DEVELOPED
 WITH ECHOSOUNDER: SHOAL ROSE GRADUALLY TO A FLATTENED PEAK; NO
 FURTHER PROJECTIONS WERE EVIDENT; COMPOSED OF ROCKS 1 TO 2 FT. IN
 DIAMETER; 28 FT. ECHOSOUNDER LEAST DEPTH IN LAT 41-00-52.17N,
 LONG 73-25-18.62W; AWOIS ITEM IS CONSIDERED DISPROVED; HYDROGRAPHER AND
 EVALUATOR RECOMMENDED CHARTING ACCORDING TO PRESENT SURVEY.
 (UPDATED MSM 5/90)

H10354/90-- OPR-B285-AHP; BROUGHT FORWARD AS A 8.5 METER
 SOUNDING WITH NOTATION "ROCKY". EVALUATOR CONSIDERS ITEM
 COMPLETE. (UP 9/8/92, SJV)

Survey Summary

Survey Position: 41° 00' 52.1" N, 073° 25' 18.6" W
Least Depth: 8.16 m (= 26.77 ft = 4.461 fm = 4 fm 2.77 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072955 00001(022600011CFB0001)
Charts Affected: 12368_1, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

UWTROC/remrks: Item's history has a disapproval already. Area is charted as rocky and there is no need for an AWOIS entry.

UWTROC/invreq: Type: SOUNDING, Itemstatus: COMPLETED, Searchtype: INFORMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072955 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 6802	3.06	190.8	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

27ft (12368_1, 12364_8, 12363_1)

4 ½fm (12300_1, 13006_1, 13003_1)

8.2m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes:
 NINFOM - No action
 QUASOU - 1:depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412
 VALSOU - 8.159 m
 WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: AWOIS 6802. Ensonified with complete coverage MBES. Rocky sea floor is real and significant. Defer to cartographer for final chart exposition. Update chart with current survey depths. Do not concur with field unit regarding AWOIS entry; update AWOIS database with survey results regarding 27ft survey depth.

COMPILE: AWOIS 6802 is a 26.8ft depth on a rock inside a rocky seabed area. It is recommended a 27ft depth is charted inside the rocky seabed area.

Feature Images

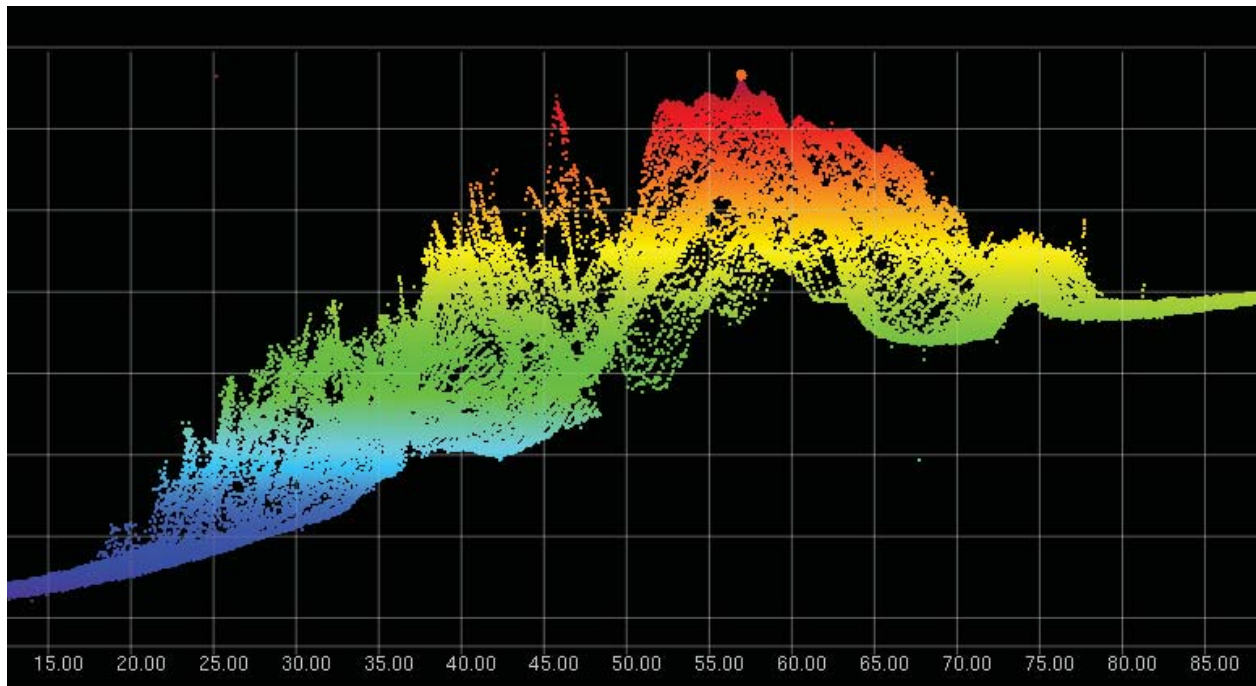


Figure 1.86.1

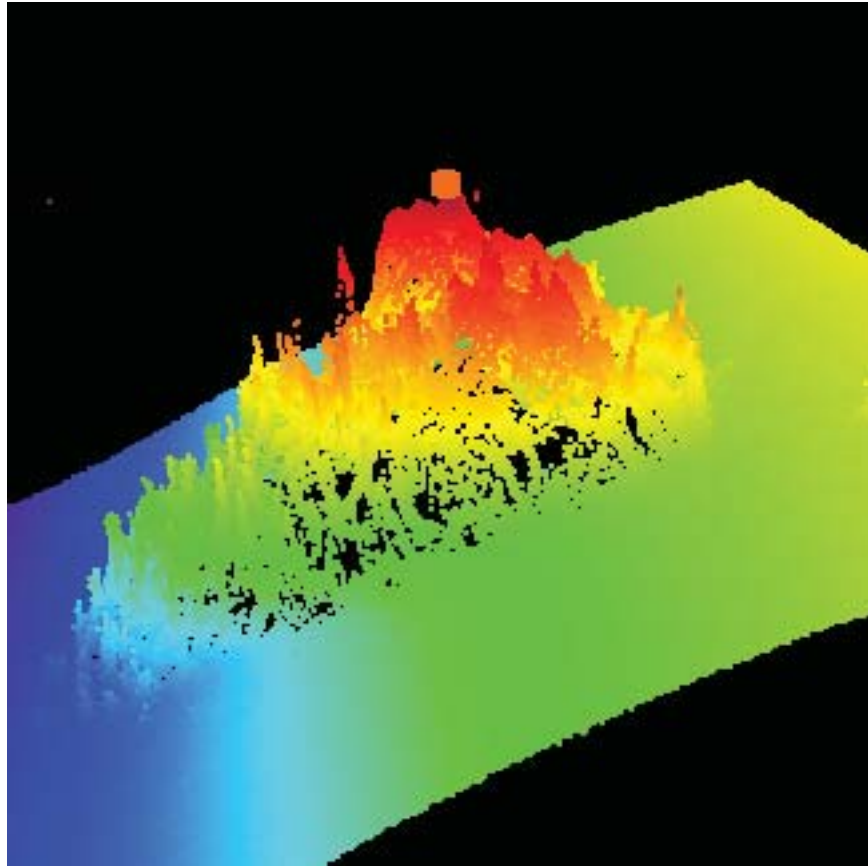


Figure 1.86.2

1.87) AWOIS 7405

Primary Feature for AWOIS Item #7405

Search Position: 41° 01' 04.5" N, 073° 24' 53.0" W
Historical Depth: 16.46 m
Search Radius: 0
Search Technique: SD, S2, SWMB, DI
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; LORAN C RATES PROVIDED BY MR. RICHARD TARACKA TO RUDE; SIDE SCAN SONAR AND ECHOSOUNDER INVESTIGATION; TARGET APPEARS TO BE WRECKAGE OF A VESSEL WITH DIMENSIONS OF 55 X 15 METERS (SCALED FROM SONARGRAMS); IN LAT 41-01-04.51N, LONG 73-24-52.98W; ECHOSOUNDER LEAST DEPTH OF 54 FT.; HYDROGRAPHER AND EVALUATOR RECOMMENDED CHARTING AS 54WK. (ENTERED MSM 5/90)

H10354/90-- OPR-B285-AHP; BROUGHT FORWARD AS A 16.4 METER WRECK. (UP 9/8/92, SJV)

DESCRIPTION

195 LARGE, SCOW-LIKE OBSTRUCTION NOTED ON ECHO SOUNDER BY MR. RAY PERES, NORTHPORT, N.Y., 516-754-8946; LORAN C RATES: 9960-X 26798.9, 9960-Y 43983.7; LAT 41-01-09.74N, LONG 73-24-51.42W. (ENTERED MSM 5/89)

195 BARGE REPORTED BY MR. RICHARD TARACKA, GREENWICH POLICE DEPARTMENT, GREENWICH, CT., TEL NO 203-622-8020; 9960-X 26799.1, 9960-Y 43983.8; LAT 41-01-10.19N, LONG 73-24-52.68W. (ENTERED MSM 4/90)

Survey Summary

Survey Position: 41° 01' 04.9" N, 073° 24' 52.2" W
Least Depth: 18.23 m (= 59.82 ft = 9.970 fm = 9 fm 5.82 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]

Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072906 00001(022600011CCA0001)
Charts Affected: 12368_1, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072906 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 7405	21.66	052.7	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

60ft (12368_1, 12364_8, 12363_1)
 10fm (12300_1, 13006_1, 13003_1)
 18.2m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 2:dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412
 TECSOU - 3:found by multi-beam
 VALSOU - 18.233 m
 WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however and significant. Update chart VALSOU (60ft). Data edited during SAR review. Update the location of feature object.

COMPILE: Delete charted 54ft wreck. Chart AWOIS 7405, a 59.8ft wreck, at survey position.

Feature Images

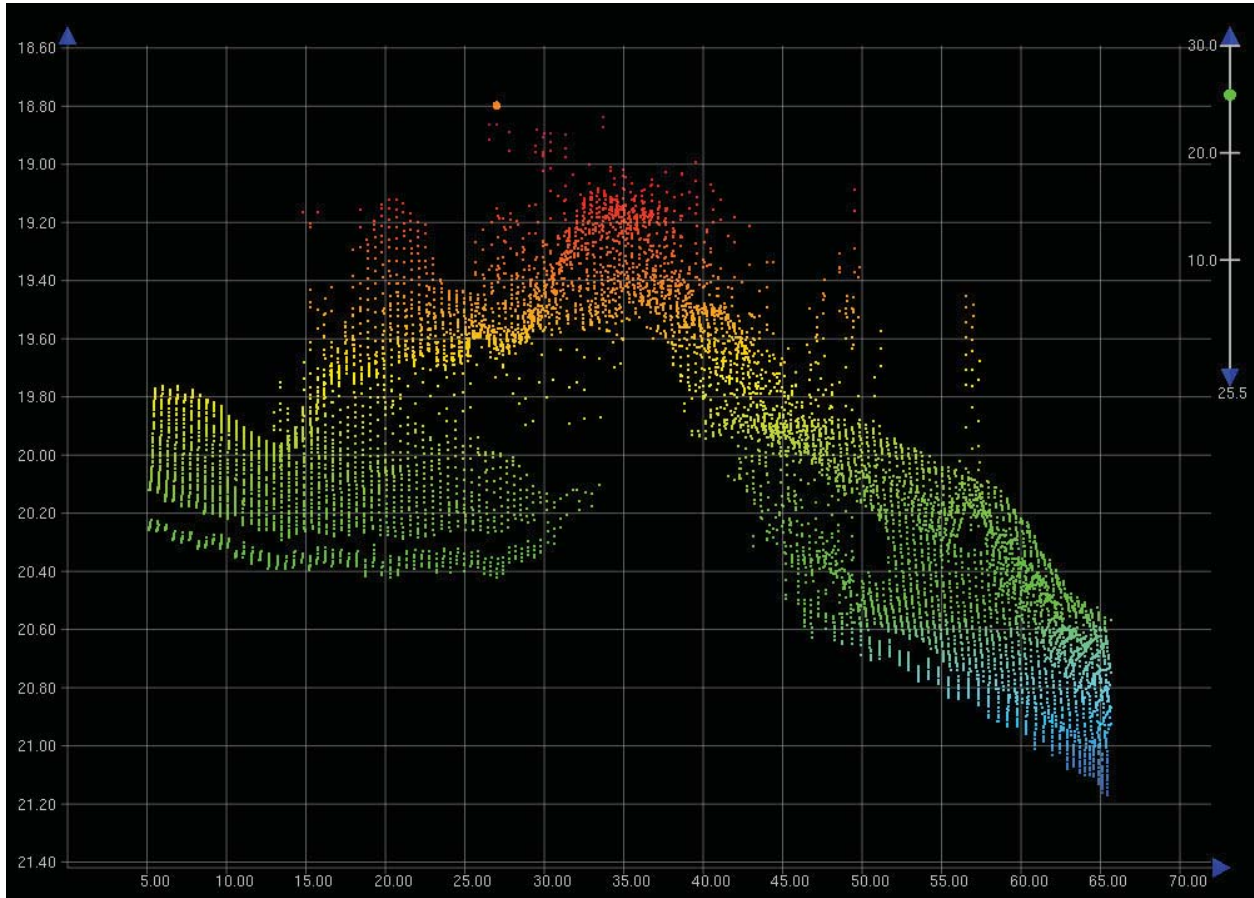


Figure 1.87.1

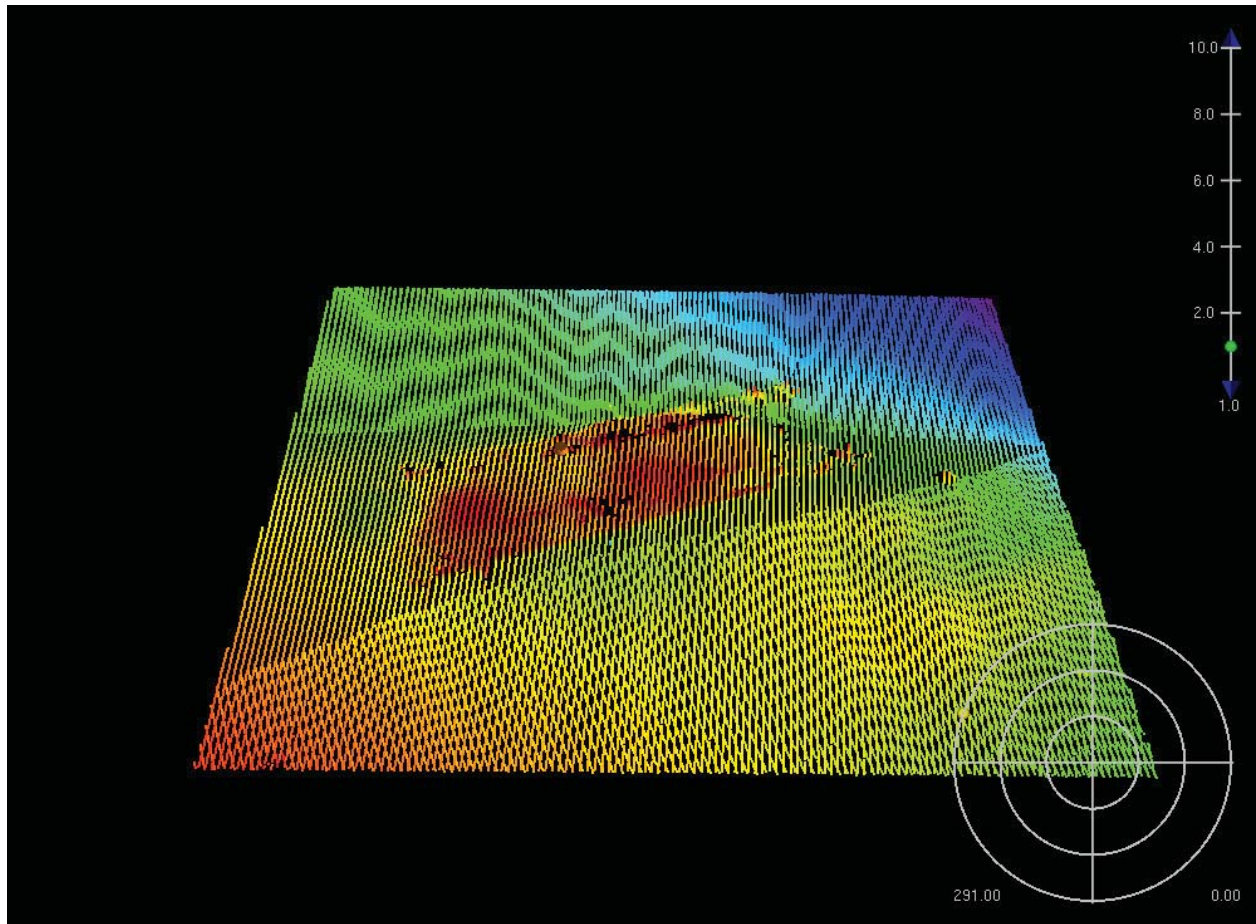


Figure 1.87.2

1.88) AWOIS 6652

Survey Summary

Survey Position: 41° 01' 30.3" N, 073° 27' 14.4" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073132 00001(022600011DAC0001)
Charts Affected: 12368_1, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: Entire search radius was covered by this survey and contemporary survey H12411. No soundings below 54 feet were found within the search radius. Item is considered disproved by the hydrographer.

\$CSYMB/invreq: Type: OBSTRUCTION, Itemstatus: ASSIGNED, Searchtype: , Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073132 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H5219/32WD--40FT UNVERIFIED W.D. GROUNDING LAT 41-01-30N, LONG 73-27-16W. (ENT 5/88 SRB)

H10354/90-- OPR-B285-AHP; NOT INVESTIGATED. BROUGHT FORWARD. EVALUATOR RECOMMENDS RETAINING AS CHARTED. (UP 9/8/92, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update the AWOIS database and chart survey depths within the common area.

COMPILE: AWOIS 6652 is uncharted and has been disproved by the present survey. No charting action. Update AWOIS database with present survey findings.

1.89) AWOIS 6803

Survey Summary

Survey Position: 41° 01' 31.5" N, 073° 26' 44.8" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073133 00001(022600011DAD0001)
Charts Affected: 12368_1, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: It is the hydrographers opinion that this entry is not necessary. The history references finding a rocky area with large boulders. No evidence of boulders was found in the vicinity. The area is an area of relief in the bedrock and is adequately defined by current sounding data.

\$CSYMB/invreq: Type: SOUNDING, Itemstatus: DISPROVED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 6803	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073133 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H5142/31WD--31 FT SOUNDING IDENTIFIED AS SMALL BOULDERS WITH 29 FT
CLEARED DEPTH FOUND IN LAT 41-01-31.56N, LONG 73-26-44.73W. (ENT

MSM 5/88)

FE320SS/88--OPR-B660-RU-88; CONDUCTED 400% SIDE SCAN SONAR FOR 1
75M RADIUS (200% MORE THAN WAS REQUIRED FOR DISPROVAL) PLUS 3M 1
LINE SPACING ECHOSOUNDER DEVELOPMENT; FOUND A LARGE ROCKY SHOAL 1
WITH A LEAST DEPTH (ECHOSOUNDER) OF 34 FT. IN LAT 41-01-31.46N, 1
LONG 73-26-44.79W; EVALUATOR RECOMMENDED CHARTING A 34 FT. 1
SOUNDING ON A SHOAL AND NOTATION RKY. (ENTERED MSM 5/90)

H10354/90-- OPR-B285-AHP; CARRIED FORWARD. EVALUATOR RECOMMENDS 1
CHARTING ACCORDING TO FE320SS/88. (UP 9/8/92, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found at the AWOIS location. This feature is considered disproved. Recommend to update the AWOIS database, rather than delete. Survey depth of 34ft located 20m to the east.

COMPILE: AWOIS 6803 has been disproved by the present survey. Chart the 34ft depth as it is insignificant to chart as a feature. Update the AWOIS database and update area based on present survey findings.

1.90) AWOIS 6653

Primary Feature for AWOIS Item #6653

Search Position: 41° 01' 32.3" N, 073° 26' 55.4" W
Historical Depth: [None]
Search Radius: 250
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H5219/32WD--40FT UNVERIFIED W.D. GROUNDING LAT 41-01-32N, LONG 73-26-57W. (ENT SRB 5/88)

H10354/90-- OPR-B285-AHP; NOT INVESTIGATED. BROUGHT FORWARD. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. (UP 9/8/92, SJV)

Survey Summary

Survey Position: 41° 01' 32.8" N, 073° 26' 55.2" W
Least Depth: 14.56 m (= 47.77 ft = 7.961 fm = 7 fm 5.77 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073148 00001(022600011DBC0001)
Charts Affected: 12368_1, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073148 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 6653	15.18	018.0	Secondary (grouped)

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

48ft (12368_1, 12364_8, 12363_1)

8fm (12300_1, 13006_1, 13003_1)

14.6m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: NINFOM - Chart obstruction
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 14.559 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Feature associated with AWOIS 6653. Do not concur with field unit. Ensonified with complete coverage MBES. Evidence of this feature was found with data points attributed as rejected. This feature is not considered disproved. Recommend not to delete from the AWOIS database, rather update it. Recommend to chart 48-ft Obstruction. Feature was confirmed and validated in adjoining survey H12411.

COMPILE: AWOIS 6653 is uncharted and was found by the present survey. Update AWOIS database with present survey findings and chart a 47.8ft obstruction at survey position.

Feature Images

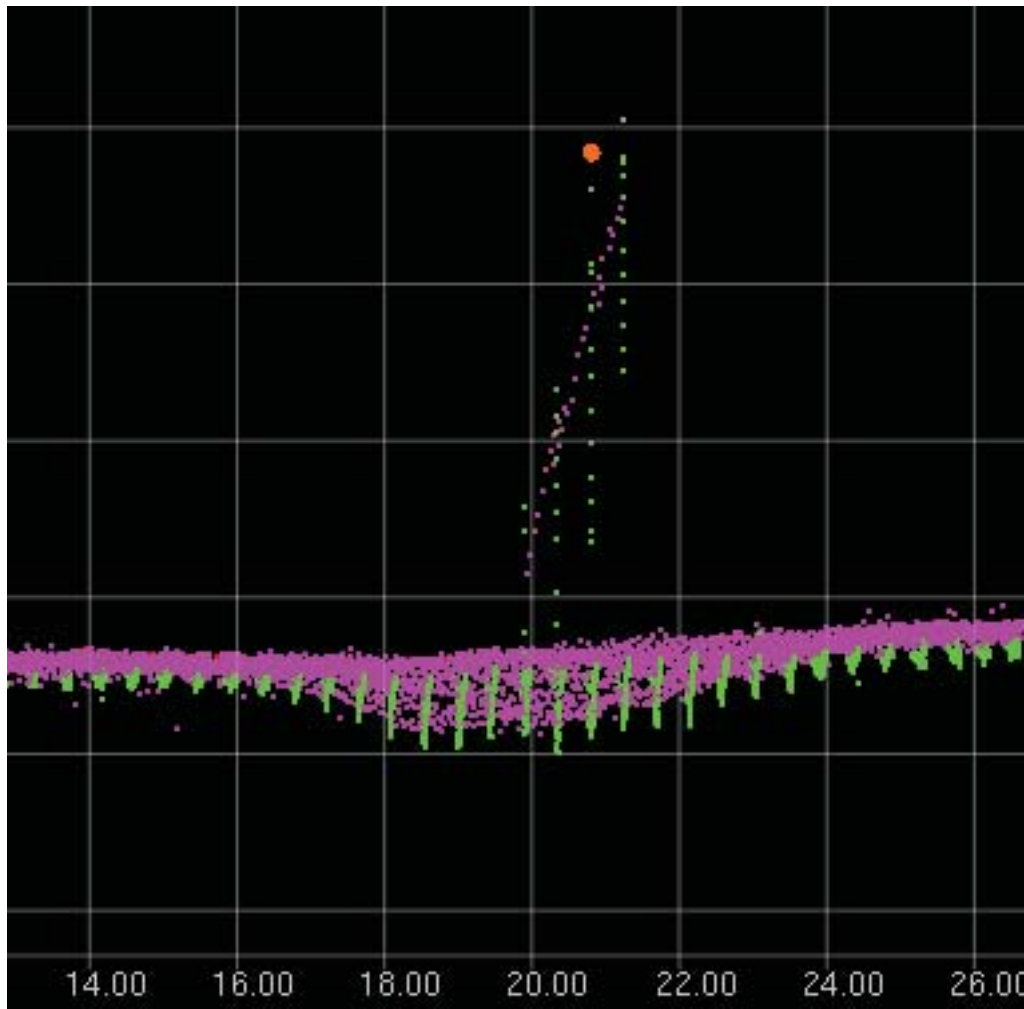


Figure 1.90.1

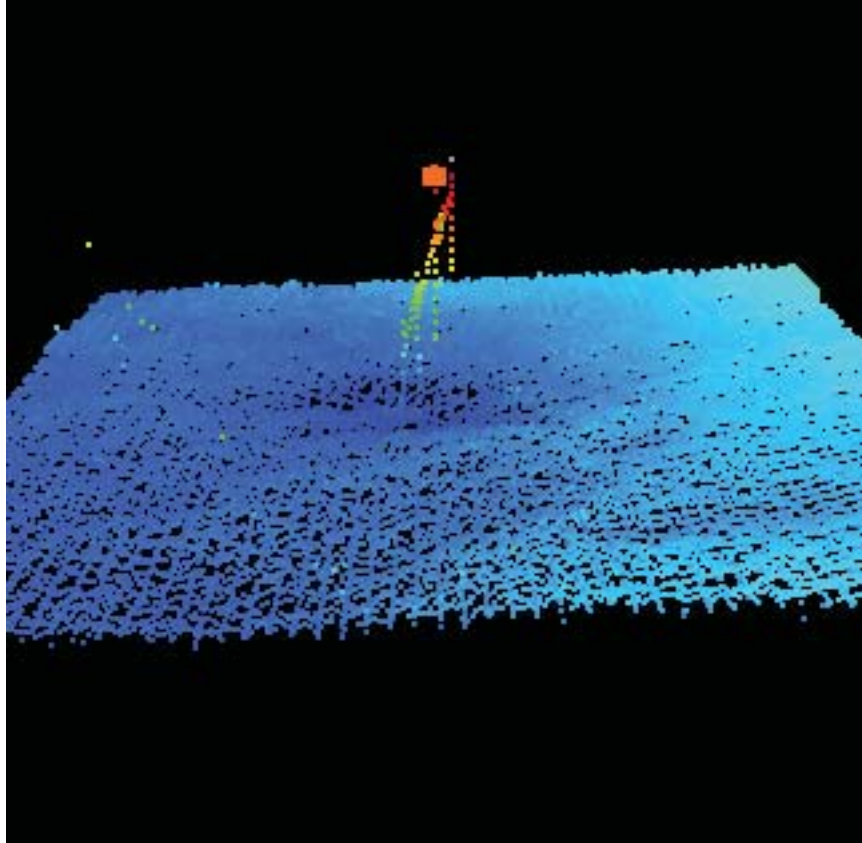


Figure 1.90.2

1.91) AWOIS 11827

Primary Feature for AWOIS Item #11827

Search Position: 40° 58' 55.6" N, 073° 26' 23.3" W
Historical Depth: 21.03 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; UNCHARTED ROCK LOCATED IN LAT. 40-58-55.63N, LONG. 73-26-23.25W. MULTIBEAM LD OF 21.2 METERS (69.6 FEET). EVALUATOR RECOMMENDS CHARTING A 69RK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 58' 55.7" N, 073° 26' 23.3" W
Least Depth: 21.29 m (= 69.84 ft = 11.640 fm = 11 fm 3.84 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072887 00001(022600011CB70001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

UWTROC/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072887 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11827	1.54	342.8	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

70ft (12365_1, 12364_20, 12364_8, 12363_1)

11fm (12300_1, 13006_1, 13003_1)

21m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes: EXPSOU - 1:within the range of depth of the surrounding depth area

NINFOM - Chart rock

QUASOU - 6:least depth known

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 21.288 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.
Update charted sounding.

COMPILE: Delete charted 69ft rock. Chart AWOIS 11827, a 69.8ft rock at survey position.

Feature Images

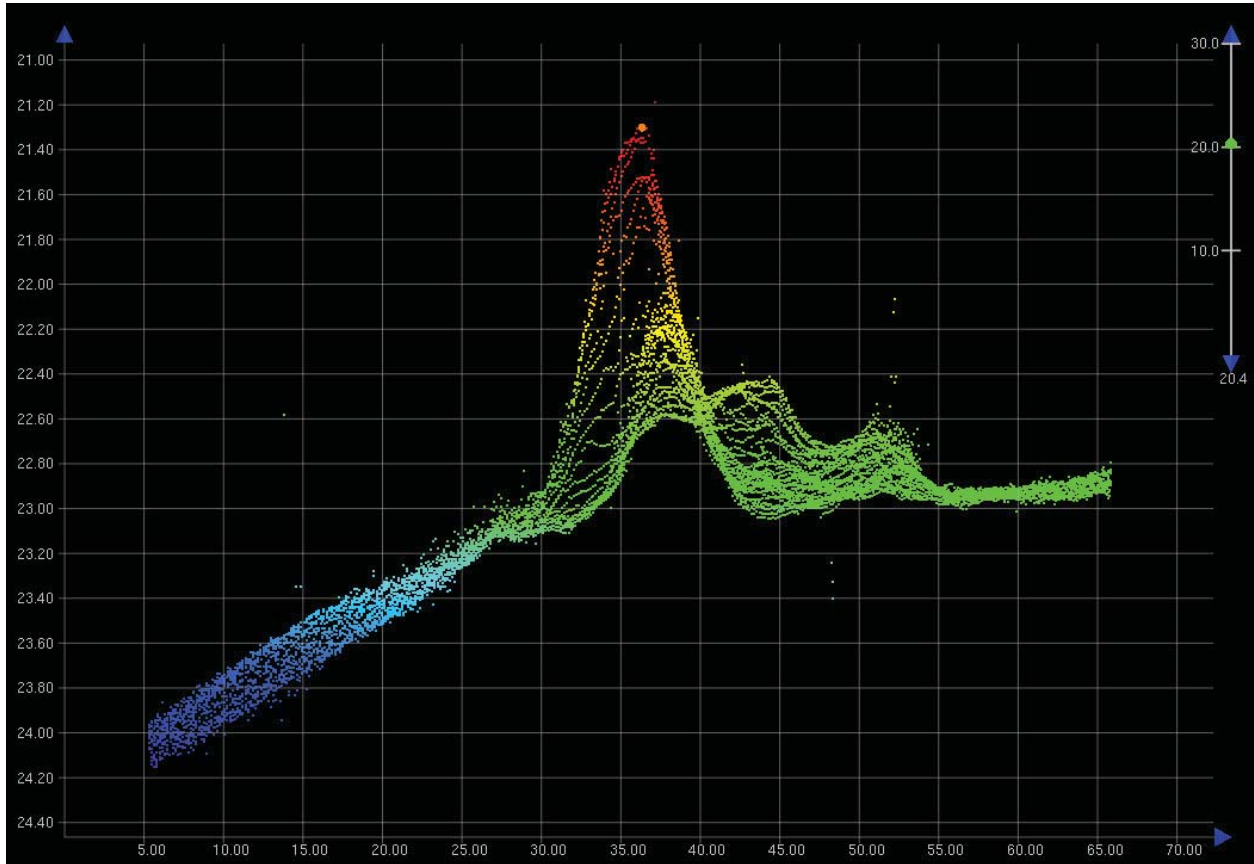


Figure 1.91.1

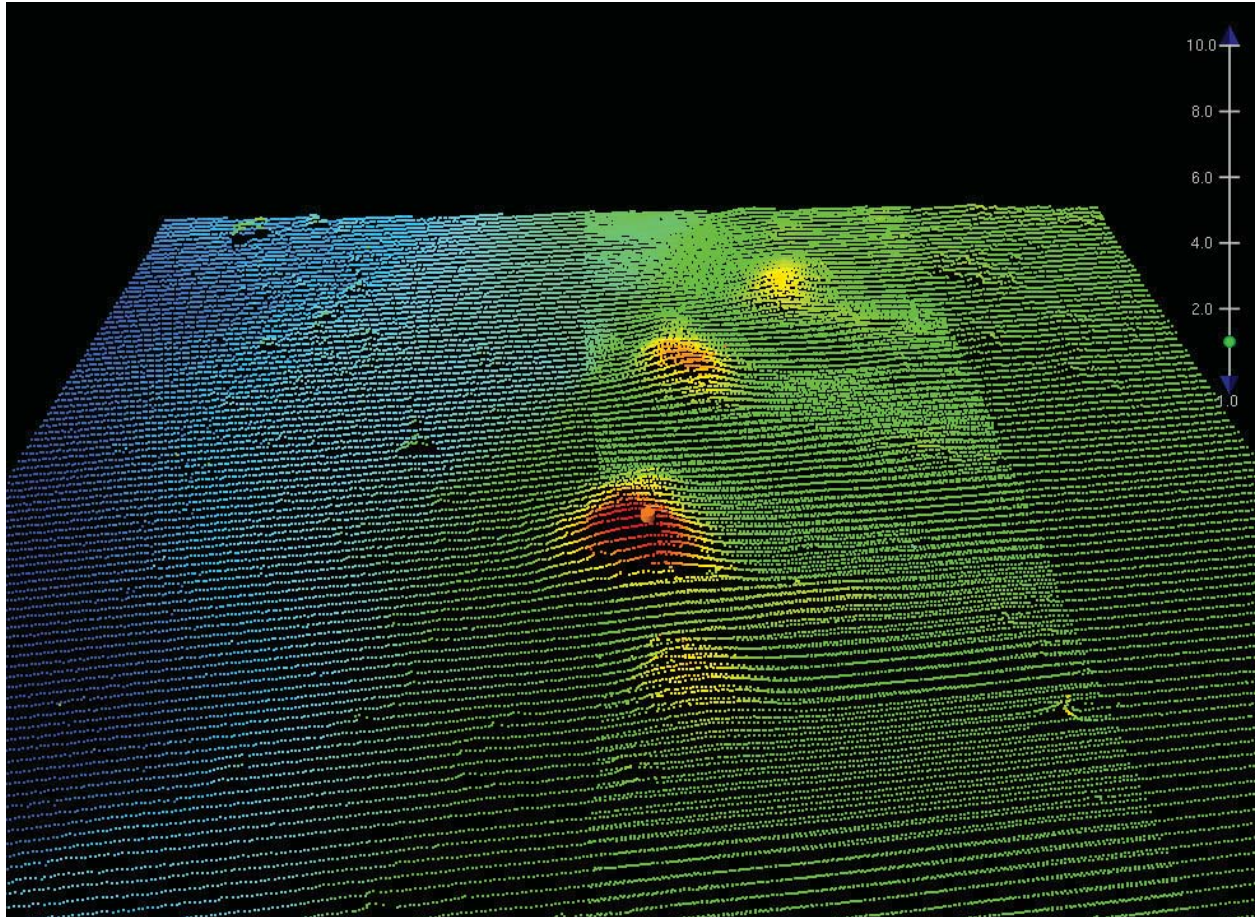


Figure 1.91.2

1.92) AWOIS 11359

Survey Summary

Survey Position: 40° 59' 09.1" N, 073° 27' 15.2" W
Least Depth: 30.44 m (= 99.86 ft = 16.643 fm = 16 fm 3.86 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073362 00001(022600011E920001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

HISTORY:

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.15344N, LONG 73-27.25453W (NAD 83) WITH A LEAST DEPTH OF 28.96 METERS (94.9 FEET). CHARTED AS 95 WK. (ENT 02/02, PSH) S00002/02--S-B600-RU--SWMB development of charted barge; Delete 95ft Wk in Lat. 40°59'09.21", Long. 73°27'15.27", Chart 96ft Wk in Lat. 40°59'09.45", Long. 73°27'14.98"

Remarks:

WRECKS/remrks: A mound believed to be the silted over remains of a wreck was found in this area. Remaining exposed wreck is insignificant.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073362 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072980 00001	4.37	143.3	Secondary (grouped)

Hydrographer Recommendations

Remove from chart. Remove from AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

100ft (12365_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

30m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known

SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 30.436 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Do not concur with field unit to delete from chart. Evidence of this feature exists in complete coverage MBES and resulting backscatter. SAR review does agree with field unit regarding the wreck which appears to be incorporated into the sea floor. The least depth is 100ft and recommended for update or represent as a sounding. Defer to cartographer for final chart portrayal.

COMPILE: AWOIS item 11359 is duplicated by AWOIS item 12662. It is recommended that Item 12662 is deleted from the AWOIS database. It is further recommended the charted 96 foot wreck is deleted from the chart and the chart is updated with a 99.9ft wreck at the survey position.

Feature Images

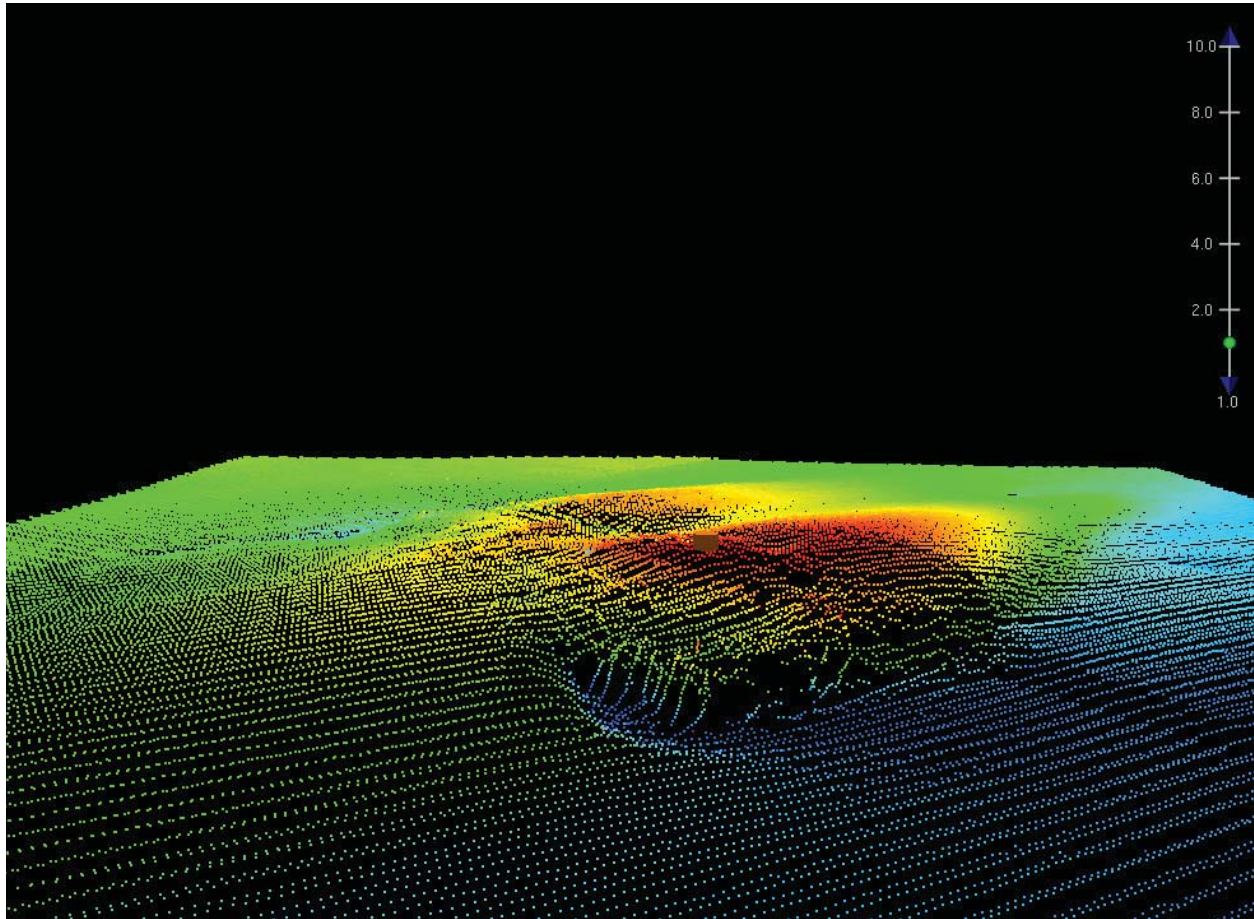


Figure 1.92.1

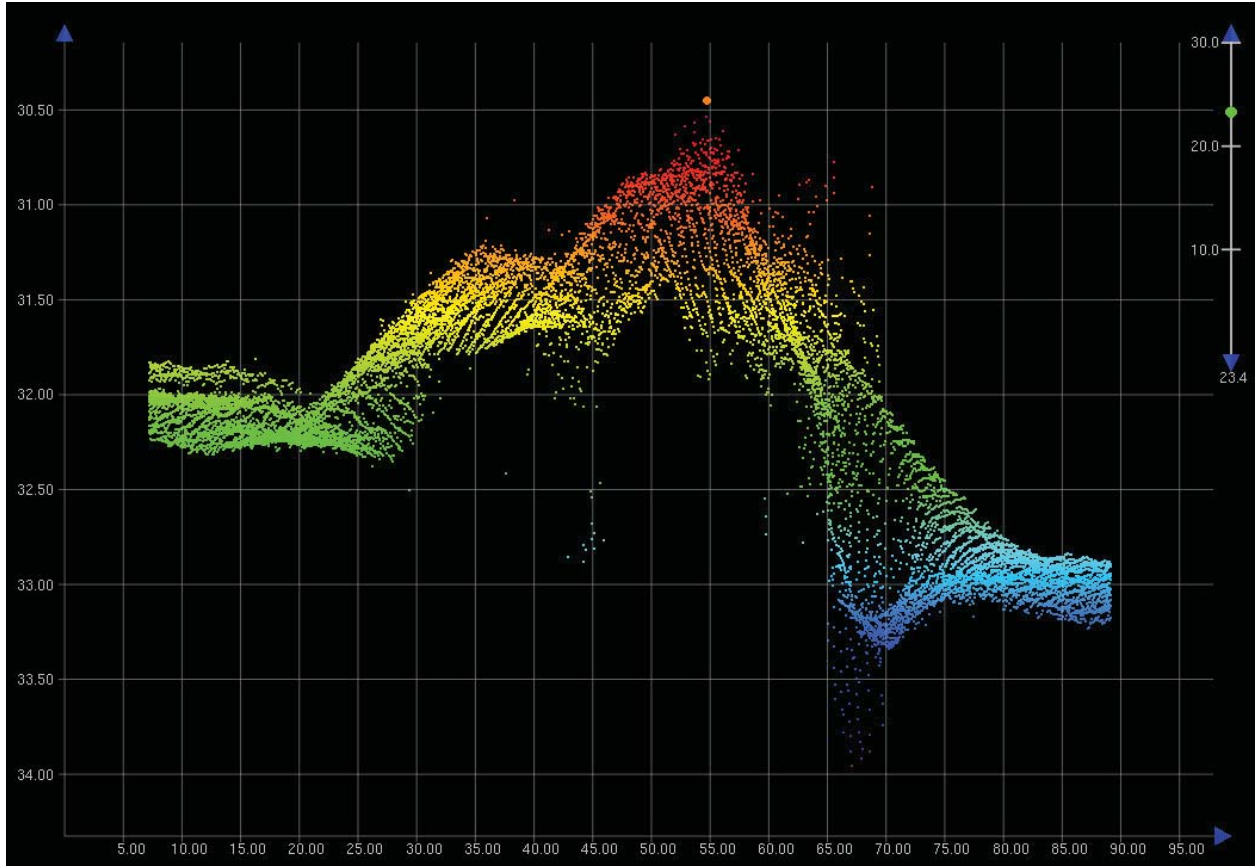


Figure 1.92.2

1.93) AWOIS 12662

Primary Feature for AWOIS Item #11359

Search Position: 40° 59' 09.4" N, 073° 27' 15.0" W
Historical Depth: 29.26 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.15344N, LONG 73-27.25453W (NAD 83) WITH A LEAST DEPTH OF 28.96 METERS (94.9 FEET). CHARTED AS 95 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB development of charted barge; Delete 95ft Wk in Lat. 40°59'09.21", Long. 73°27'15.27",

Chart 96ft Wk in Lat. 40°59'09.45", Long. 73°27'14.98"

Survey Summary

Survey Position: 40° 59' 09.2" N, 073° 27' 15.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072980 00001(022600011D140001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item is duplicated by item 11359. Item 11359 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073362 00001	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072980 00001	4.37	143.3	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No charting action
NTXTDS - ENC US5NY14M,ED14,Update 1
SORDAT - 20120927
SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate AWOIS item. Recommend to update AWOIS database. Survey data does not validate a wreck; feature appears to be incorporated into sea floor with some elevated data points. Interpretation inconclusive based upon no SSS and resolution of MBES. Defer to cartographer for final chart exposition.

COMPILE: AWOIS 12662 is duplicate of 11359. Delete duplicate AWOIS database entry 12662.

1.94) AWOIS 11826

Primary Feature for AWOIS Item #11826

Search Position: 40° 59' 10.3" N, 073° 25' 49.8" W
Historical Depth: 20.42 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-10.29N, LONG. 73-25-49.78N. MULTIBEAM LD OF 20.67 METERS (67.8 FEET). EVALUATOR RECOMMENDS CHARTING A 67WK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 59' 10.2" N, 073° 25' 49.7" W
Least Depth: 20.57 m (= 67.48 ft = 11.246 fm = 11 fm 1.48 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073273 00001(022600011E390001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073273 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11826	1.92	150.6	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

67ft (12365_1, 12364_20, 12364_8, 12363_1)

11fm (12300_1, 13006_1, 13003_1)

20.6m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 20.567 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Delete charted 67ft wreck. Chart AWOIS 11826, a 67.5ft wreck, at survey position.

Feature Images

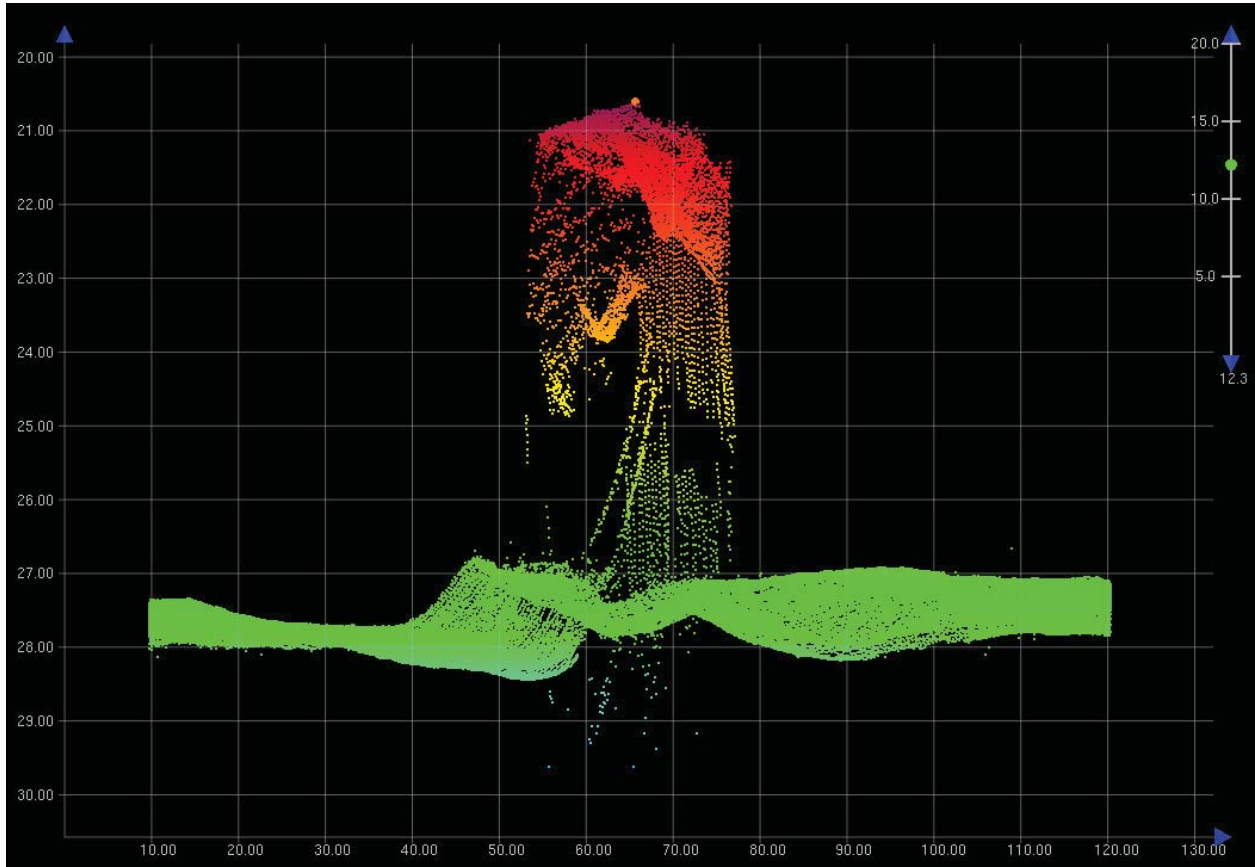


Figure 1.94.1

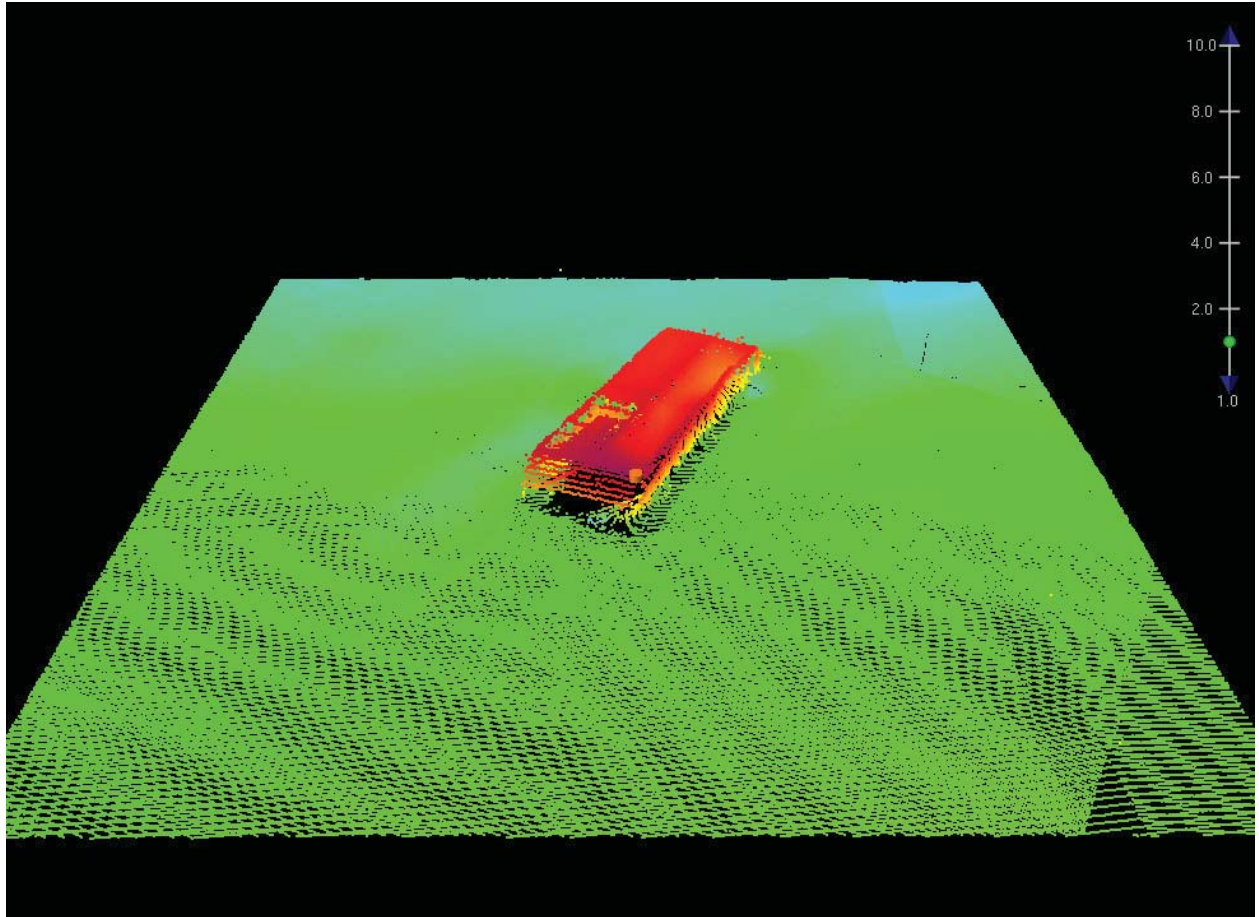


Figure 1.94.2

1.95) AWOIS 11837

Survey Summary

Survey Position: 40° 59' 15.3" N, 073° 26' 02.0" W
Least Depth: 28.91 m (= 94.84 ft = 15.807 fm = 15 fm 4.84 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073274 00001(022600011E3A0001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073274 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

95ft (12365_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 28.908 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update charted VALSOU.

COMPILE: Delete charted 93ft wreck. Chart AWOIS 11837, a 94.8 ft wreck at survey position.

Feature Images

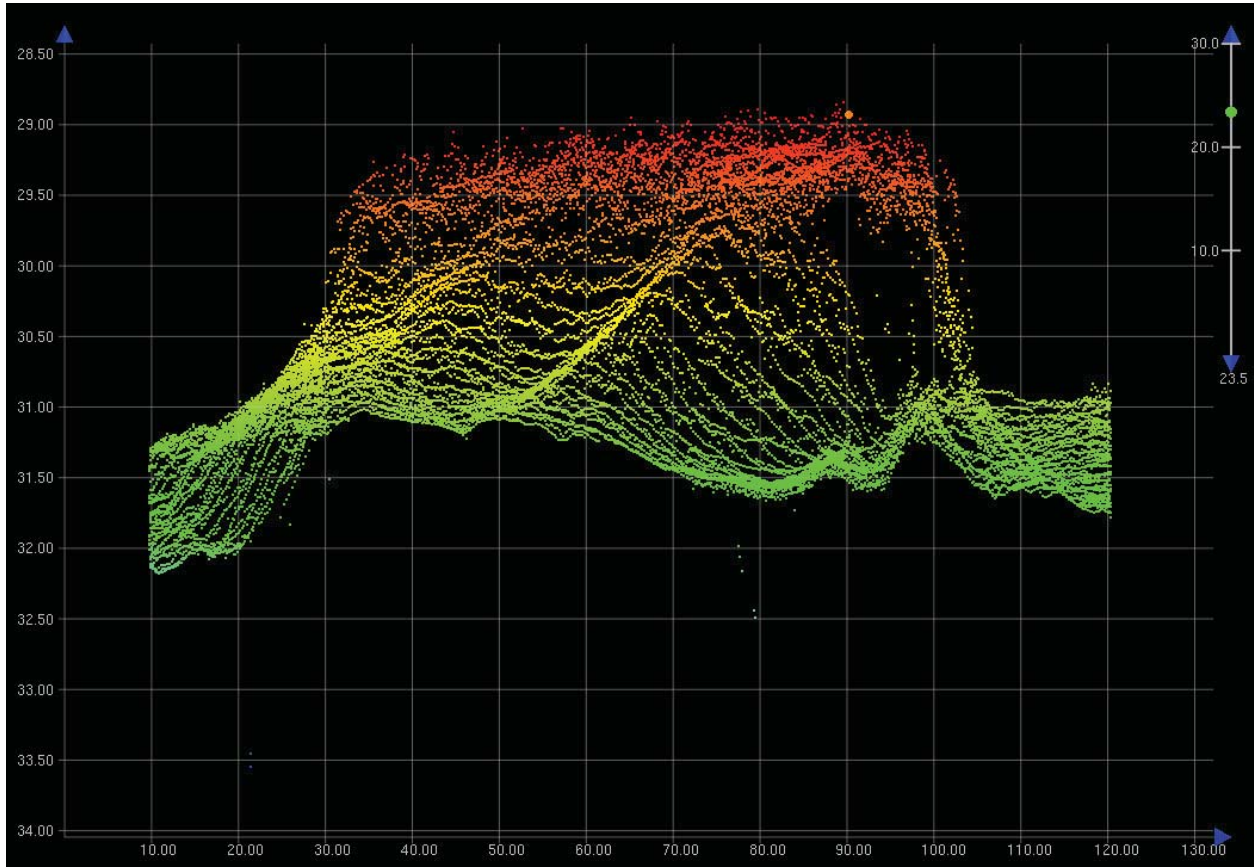


Figure 1.95.1

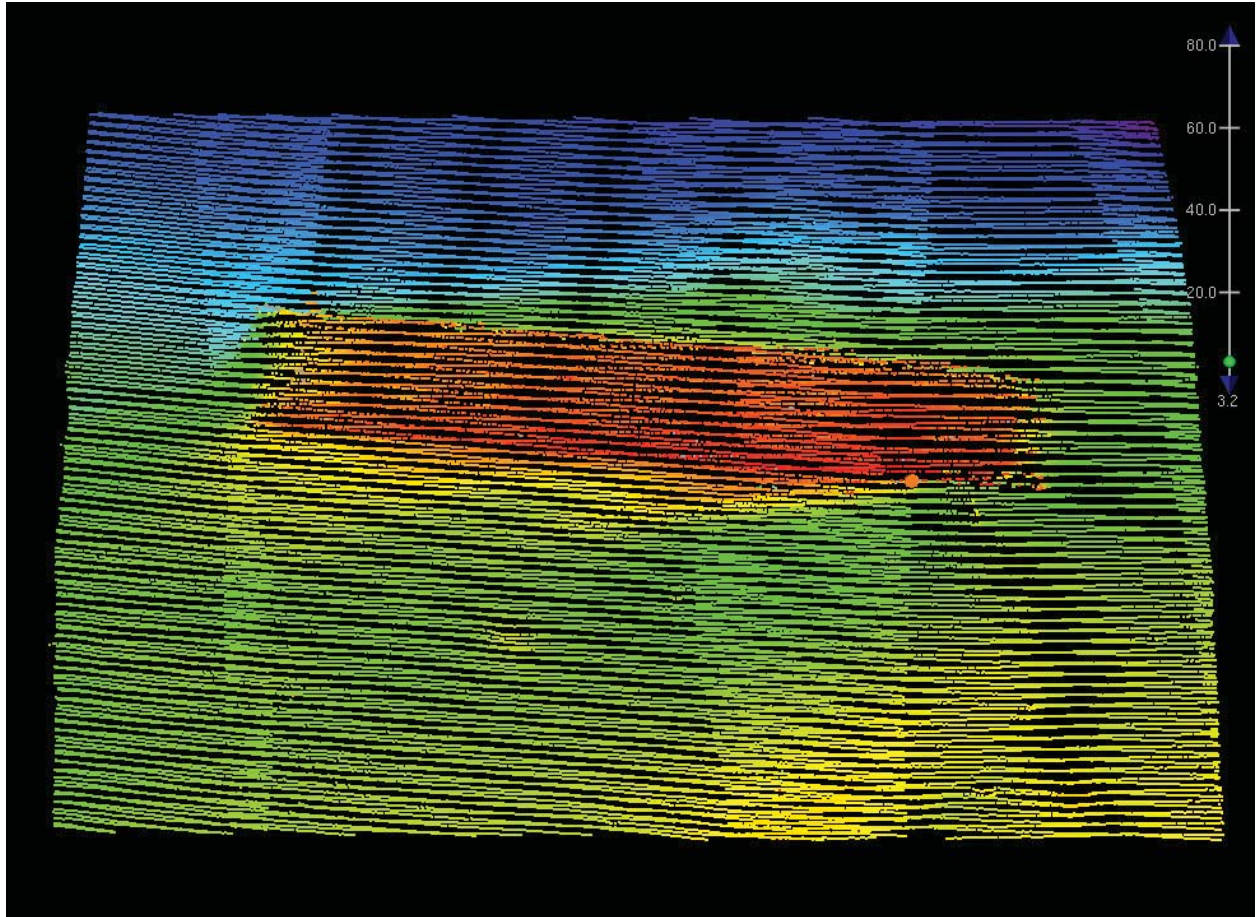


Figure 1.95.2

1.96) AWOIS 12701

Survey Summary

Survey Position: 40° 59' 17.1" N, 073° 25' 59.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072902 00001(022600011CC60001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No evidence of a feature was found. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12701	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072902 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5NY14M,ED14,Update 1
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-17.14N, LONG. 73-25-59.93W. MB LD OF 113.75 FEET (34.67 METERS). (ENT 11/15/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Survey documents a 95ft wreck located 75m to the SW. Recommend to update AWOIS database.

COMPILE: AWOIS 12701 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

1.97) AWOIS 12672

Survey Summary

Survey Position: 40° 59' 18.5" N, 073° 26' 36.0" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072978 00001(022600011D120001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item is duplicated by item 11363. Item 11363 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12672	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072978 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5NY14M,ED14,Update 1
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-18.50N, LONG. 73-26-35.98W. MB LD OF 86 FEET (26.28 METERS). (ENT 11/12/04, SJV)

Office Notes

SAR: Concur.

COMPILE: AWOIS 12672 is duplicate of 11363. Delete duplicate AWOIS database entry 12672.

1.98) AWOIS 11363

Primary Feature for AWOIS Item #11363

Search Position: 40° 59' 18.7" N, 073° 26' 36.4" W
Historical Depth: 24.99 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.30835N, LONG 73-26.59968W (NAD 83) WITH A LEAST DEPTH OF 26.28 METERS (86.2 FEET). CHARTED AS 86 WK. (ENT 02/02, PSH

S00002/02--S-B600-RU--60 ft long shipwreck; Delete 86ft Wk in Lat. 40°59'18.50", Long. 73°26'35.98", Chart 82ft Wk in Lat. 40°59'18.66", Long. 73°26'36.42" (RES 8/13/07).

Survey Summary

Survey Position: 40° 59' 18.5" N, 073° 26' 36.2" W
Least Depth: 28.20 m (= 92.52 ft = 15.42 fm = 15 fm 4.97 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072759 00001(022600011C370001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072759 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11363	10.81	103.3	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

92ft (12365_1, 12364_20, 12364_8, 12363_1)

15fm (12300_1, 13006_1, 13003_1)

28m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 28.197 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU. Do not concur with field unit's recommendation to update feature as OSBTRN. Data was re-edited and supports the existence of a wreck. Recommend to revise as wreck.

COMPILE: AWOIS item 11363 is duplicated by AWOIS item 12672. It is recommended that Item 12672 is deleted from the AWOIS database. It is further recommended the charted 82ft wreck is deleted from the chart and the chart is updated with a 92.5ft wreck at the survey position.

Feature Images

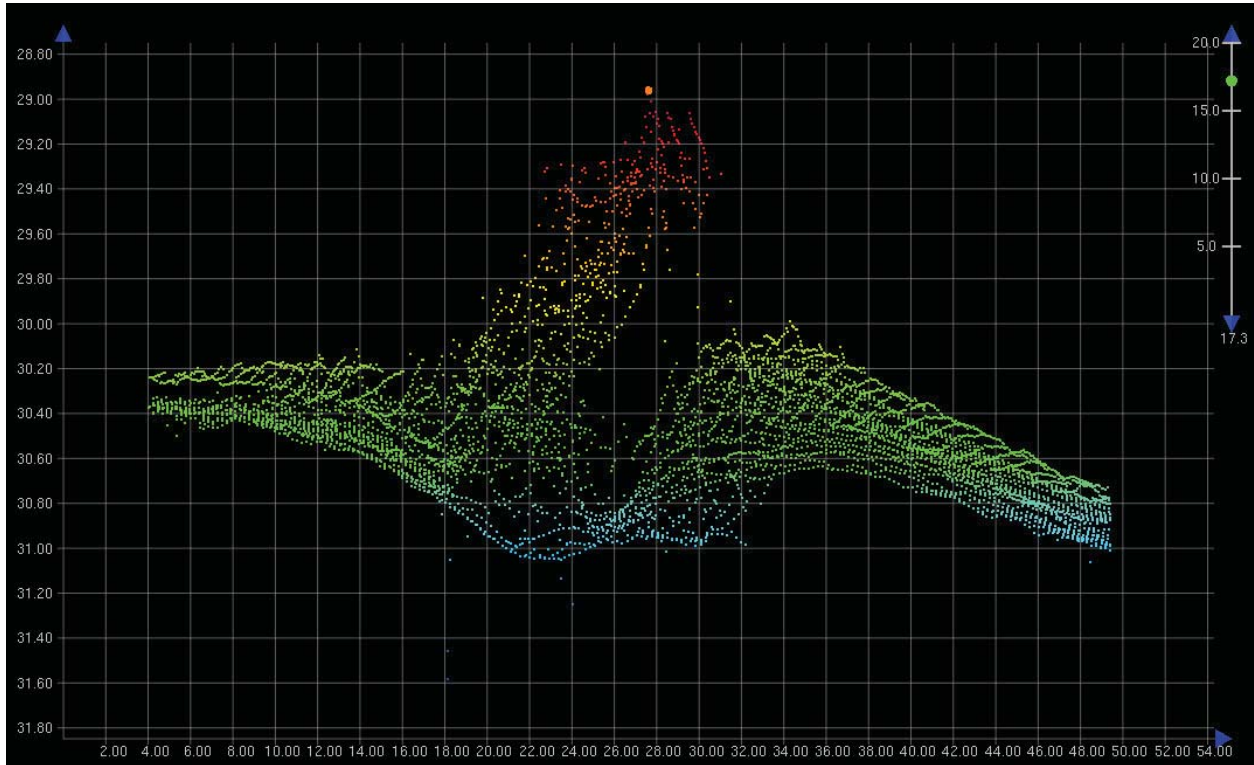


Figure 1.98.1

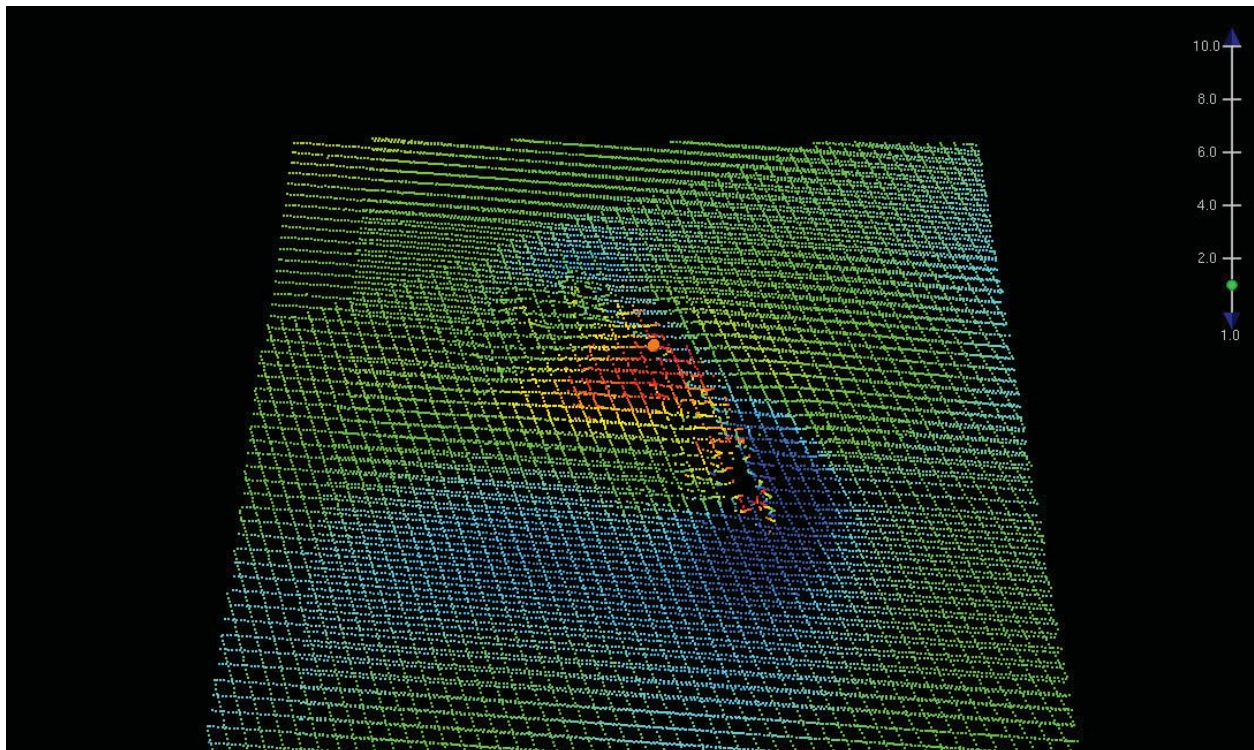


Figure 1.98.2

1.99) AWOIS 12690

Survey Summary

Survey Position: 40° 59' 19.1" N, 073° 25' 46.7" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073296 00001(022600011E500001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No obvious sign of a wreck was found. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFORMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12690	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073296 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No charting action
 NTXTDS - ENC US5NY14M,ED14,Update 1
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-19.07N, LONG. 73-25-46.71W. MB LD OF 149.80 FEET (45.66 METERS). (ENT 11/12/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. This feature is not considered disproved. Evidence of this feature was found but has very little rise above the sea floor. 137ft depth located on the feature and is considered insignificant. Recommend to update AWOIS database. Chart survey depths.

COMPILE: AWOIS 12690 is an uncharted feature positioned in a charted caution area. No charting action. Update AWOIS database with present survey findings.

1.100) AWOIS 14087

Primary Feature for AWOIS Item #14087

Search Position: 40° 59' 21.5" N, 073° 27' 02.8" W
Historical Depth: 29.87 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--SWMB development of obstruction; not charted, numerous wrecks/obstructions in area (RES 9/20/07).

Survey Summary

Survey Position: 40° 59' 21.1" N, 073° 27' 02.8" W
Least Depth: 32.73 m (= 107.37 ft = 17.894 fm = 17 fm 5.37 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073366 00001(022600011E960001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

OBSTRN/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073366 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14087	12.72	181.1	Secondary (grouped)

Hydrographer Recommendations

Chart an obstn. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

107ft (12365_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)

Attributes: EXPSOU - 1:within the range of depth of the surrounding depth area

NINFOM - No action

QUASOU - 6:least depth known

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 32.725 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 14087 is uncharted and within charted caution area. No charting action.

Update AWOIS database with present survey findings.

Feature Images

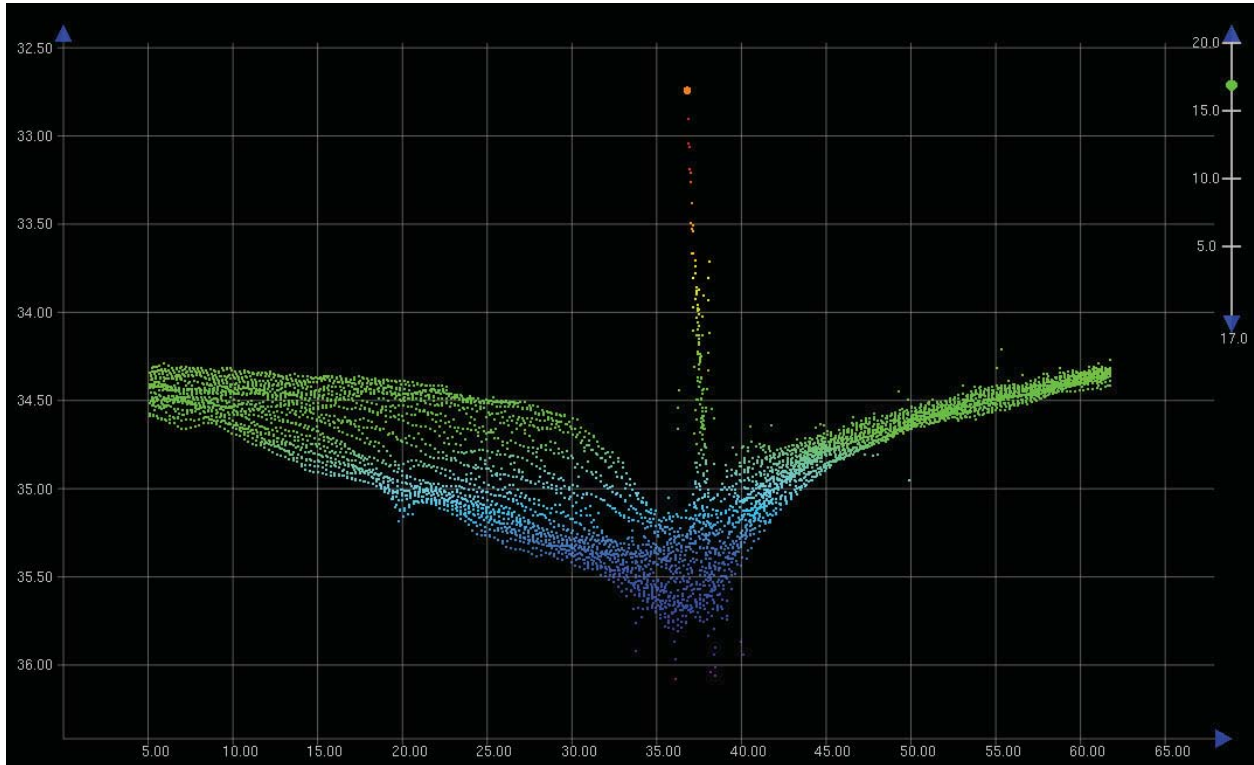


Figure 1.100.1

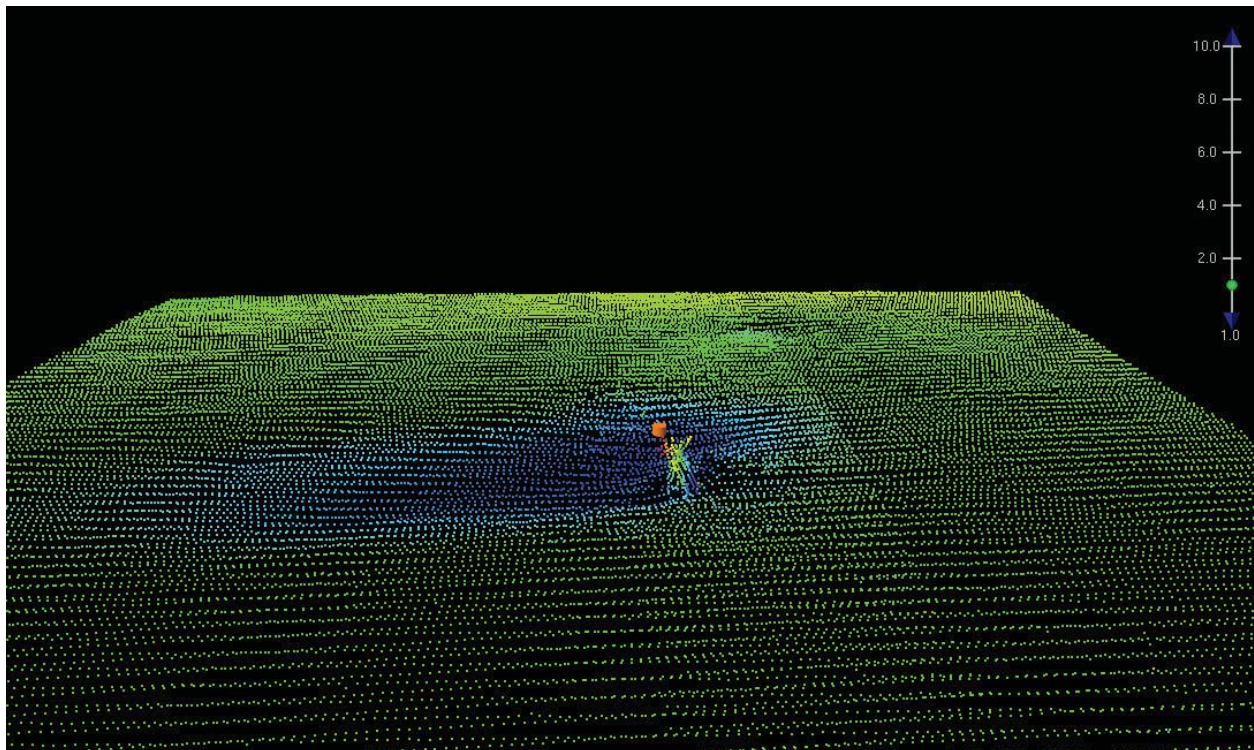


Figure 1.100.2

1.101) AWOIS 12642

Primary Feature for AWOIS Item #12642

Search Position: 40° 59' 21.7" N, 073° 27' 19.2" W
Historical Depth: 29.87 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-21.77N, LONG. 73-27-18.91W. MB LD OF 98 FEET (29.9 METERS). (ENT 11/10/04, SJV)

S00002/02--S-B600-RU--Deteriorated wreck located by SWMB; updated GP; not charted, numerous wrecks located in area (RES 9/20/07).

Survey Summary

Survey Position: 40° 59' 21.7" N, 073° 27' 19.0" W
Least Depth: 29.43 m (= 96.57 ft = 16.095 fm = 16 fm 0.57 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073373 00001(022600011E9D0001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073373 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12642	4.29	117.2	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

96ft (12365_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 29.434 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12642 is uncharted and within charted caution area. No charting action. Update

AWOIS database with present survey findings.

Feature Images

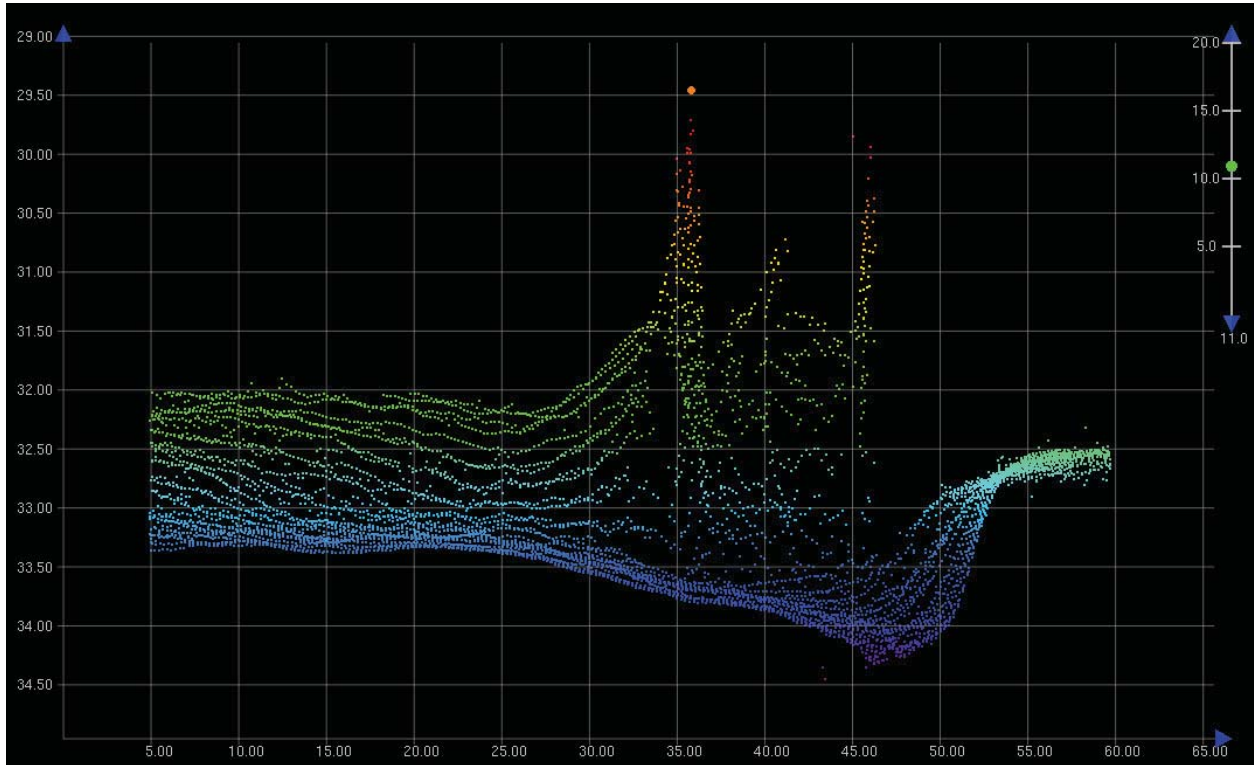


Figure 1.101.1

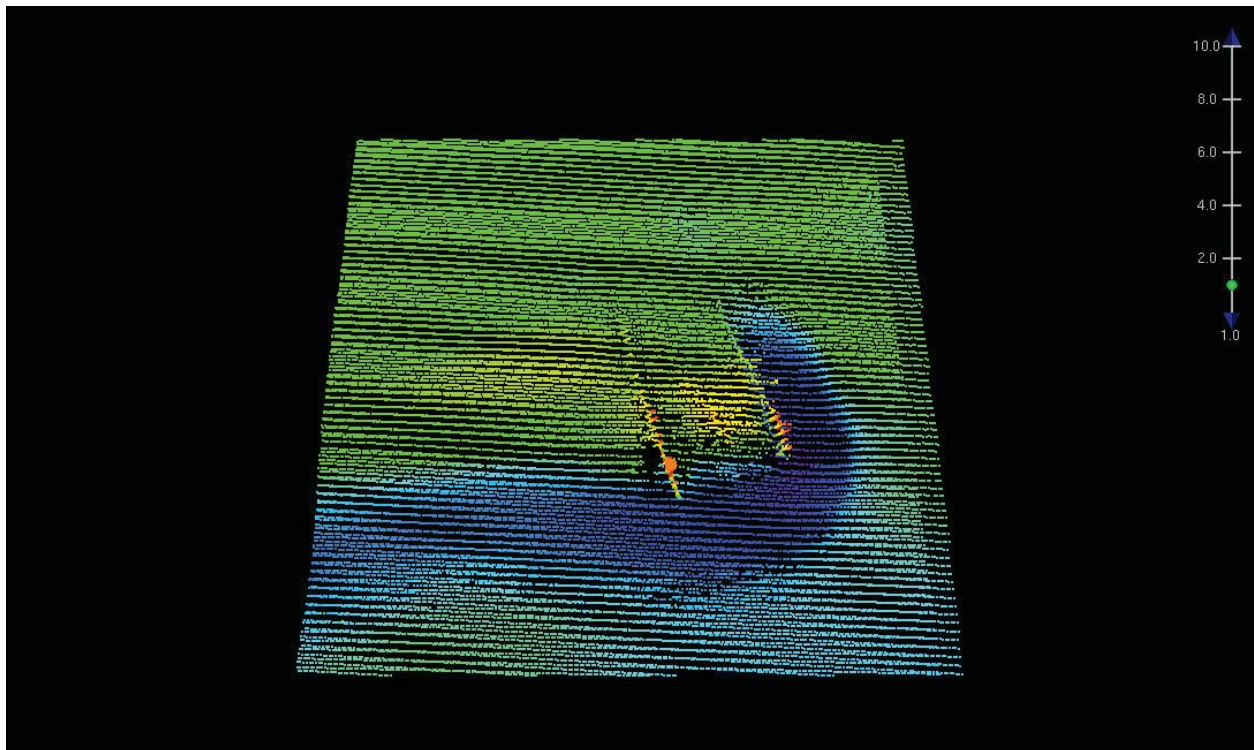


Figure 1.101.2

1.102) AWOIS 12695**Survey Summary**

Survey Position: 40° 59' 22.4" N, 073° 25' 09.2" W
Least Depth: 33.03 m (= 108.36 ft = 18.060 fm = 18 fm 0.36 ft)
TPU (±1.96σ): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072879 00001(022600011CAF0001)

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-22.38N, LONG. 73-25-09.31W. MB LD OF 110.33 FEET (33.29 METERS). (ENT 11/12/04, SJV)

Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12695 and 11835 are the same contact.

WRECKS/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072879 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from AWOIS DB.

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 NINFOM - Chart wreck
 QUASOU - 1:depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

VALSOU - 33.028 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Recommend to update AWOIS database. The feature was not adequately surveyed as data points exist from two hydro lines. The least depth validates the charted 108ft wreck. Defer to cartographer for final chart exposition. Recommend to chart survey depths within the common area.

COMPILE: AWOIS item 12695 is duplicated by AWOIS item 11835. It is recommended that Item 11835 is deleted from the AWOIS database. It is further recommended the charted 108ft wreck is deleted from the chart and the chart is updated with a 108.4 ft wreck, at survey position.

1.103) AWOIS 11835**Survey Summary**

Survey Position: 40° 59' 22.5" N, 073° 25' 09.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072612 00001(022600011BA40001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No obvious signs of a wreck were found. Search was conducted with Reson 7125 complete MBES.

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 11835	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072612 00001	6.69	119.9	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5NY14M,ED14,Update 1
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-22.38N, LONG. 73-25-09.31W. MULTIBEAM LD OF 33.63 METERS (110 FEET). EVALUATOR RECOMMENDS CHARTING A 108WK AS SURVEYED. (ENT 4/14/03, SJV)

Office Notes

SAR NOTES: This is a duplicate feature. Recommend to update AWOIS database. The feature was not adequately surveyed as data points exist from two hydro lines. The least depth validates the charted 108ft wreck. . Defer to cartographer for final chart exposition. Recommend to chart survey depths within the common area.

COMPILE: AWOIS 11835 is duplicate of 12695. Delete duplicate AWOIS database entry 11385.

1.104) AWOIS 12696**Survey Summary**

Survey Position: 40° 59' 22.8" N, 073° 25' 13.0" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072611 00001(022600011BA30001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No obvious indication of a wreck was found. Search was conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072611 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5NY14M,ED14,Update 1
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-22.79N, LONG. 73-25-13.02W. MB LD OF 122 FEET (37.29 METERS). (ENT 11/12/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Evidence of this feature was observed, but has very little vertical relief. This feature is not considered disproved, but is considered as insignificant based upon water depth. Chart surveys depths within the common area. Recommend to update the AWOIS database.

COMPILE: AWOIS 12696 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

1.105) AWOIS 12663**Primary Feature for AWOIS Item #12663**

Search Position: 40° 59' 23.7" N, 073° 27' 01.9" W
Historical Depth: 29.57 m
Search Radius: 0
Search Technique: mb, SSS
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-23.40N, LONG. 73-27-02.10W. MB LD OF 97 FEET (29.54 METERS). (ENT 11/10/04, SJV)

S00002/02--S-B600-RU--Sunken barge; updated GP, Not charted, numerous wrecks in this area (RES 9/20/07).

Survey Summary

Survey Position: 40° 59' 23.2" N, 073° 27' 02.5" W
Least Depth: 31.67 m (= 103.90 ft = 17.316 fm = 17 fm 1.90 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072746 00001(022600011C2A0001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072746 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12663	22.35	219.4	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

104ft (12365_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 31.668 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12663 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

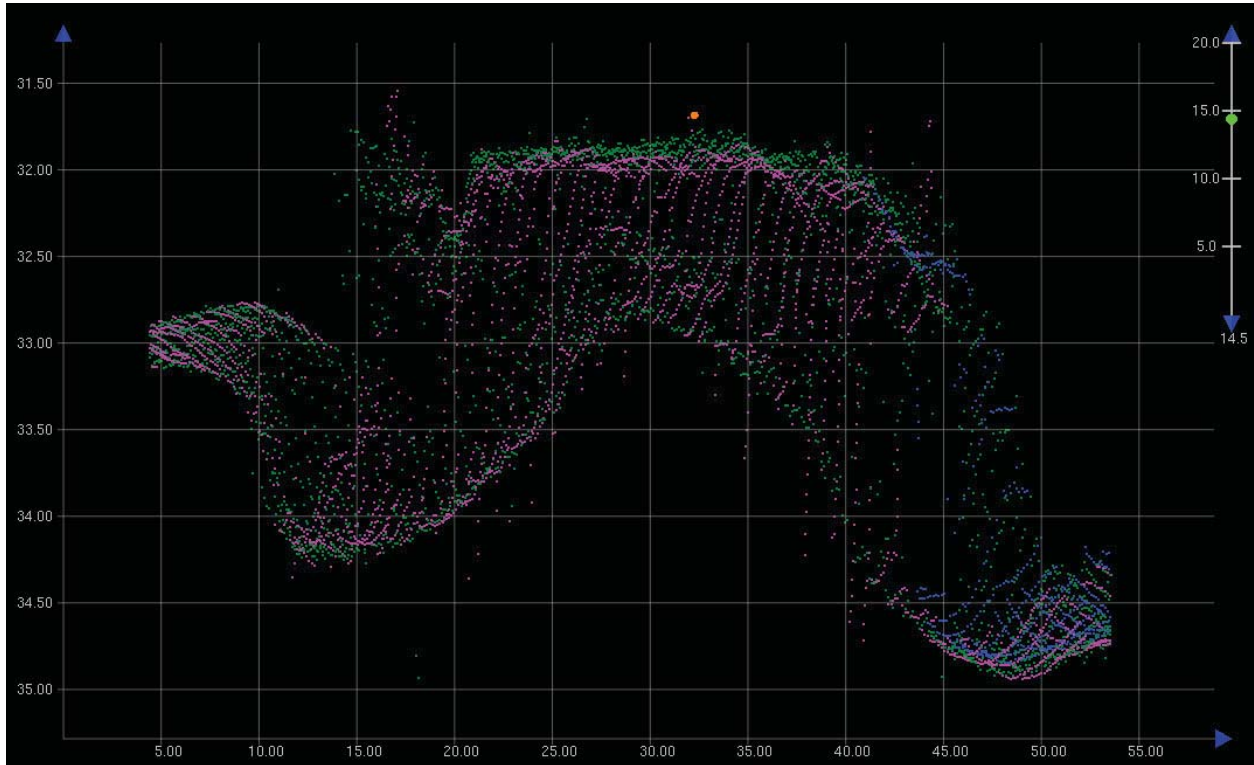


Figure 1.105.1

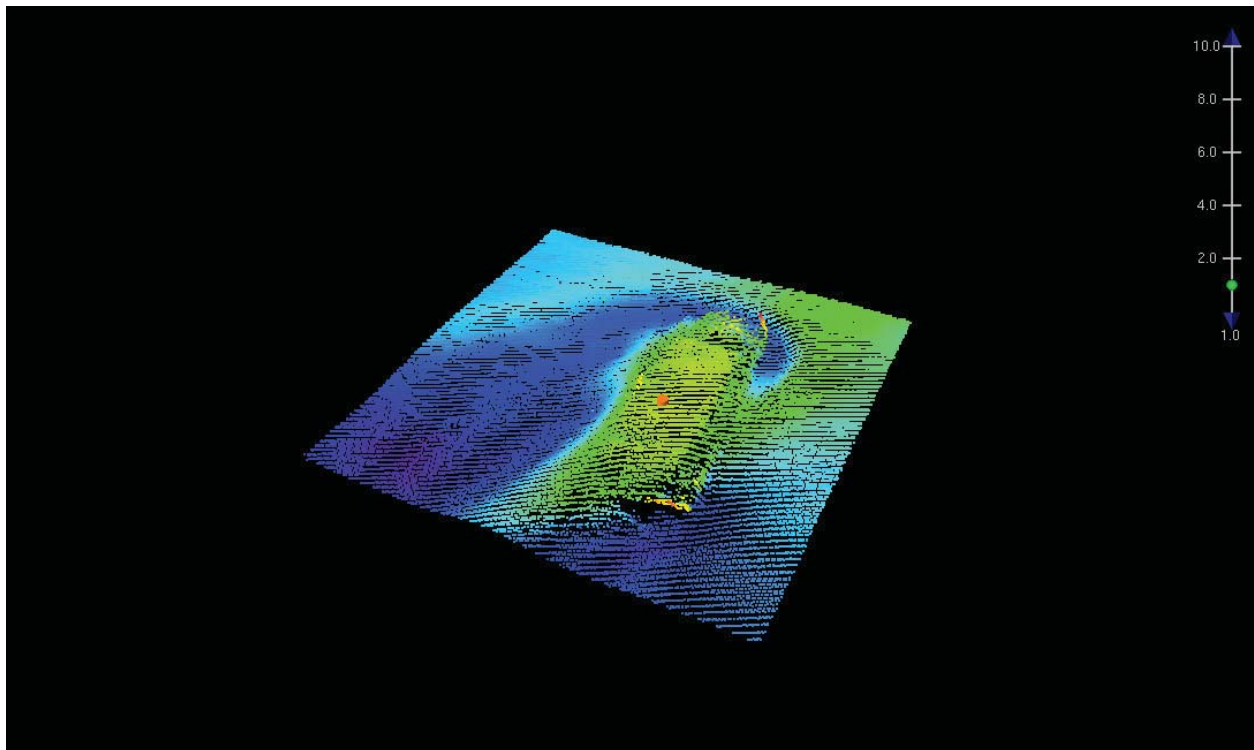


Figure 1.105.2

1.106) AWOIS 12709**Primary Feature for AWOIS Item #12709**

Search Position: 40° 59' 23.2" N, 073° 26' 13.4" W
Historical Depth: 36.27 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-23.16N ,LONG. 73-26-13.36W. MB LD OF 119 FEET (36.44 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 40° 59' 23.2" N, 073° 26' 13.1" W
Least Depth: 37.13 m (= 121.81 ft = 20.302 fm = 20 fm 1.81 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072613 00001(022600011BA50001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12709 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072613 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12709	7.09	084.2	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

122ft (12365_1, 12364_20, 12364_8, 12363_1)

20fm (12300_1, 13006_1, 13003_1)

37m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 37.128 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12709 is uncharted and within charted caution area. No charting action. Update

AWOIS database with present survey findings.

Feature Images

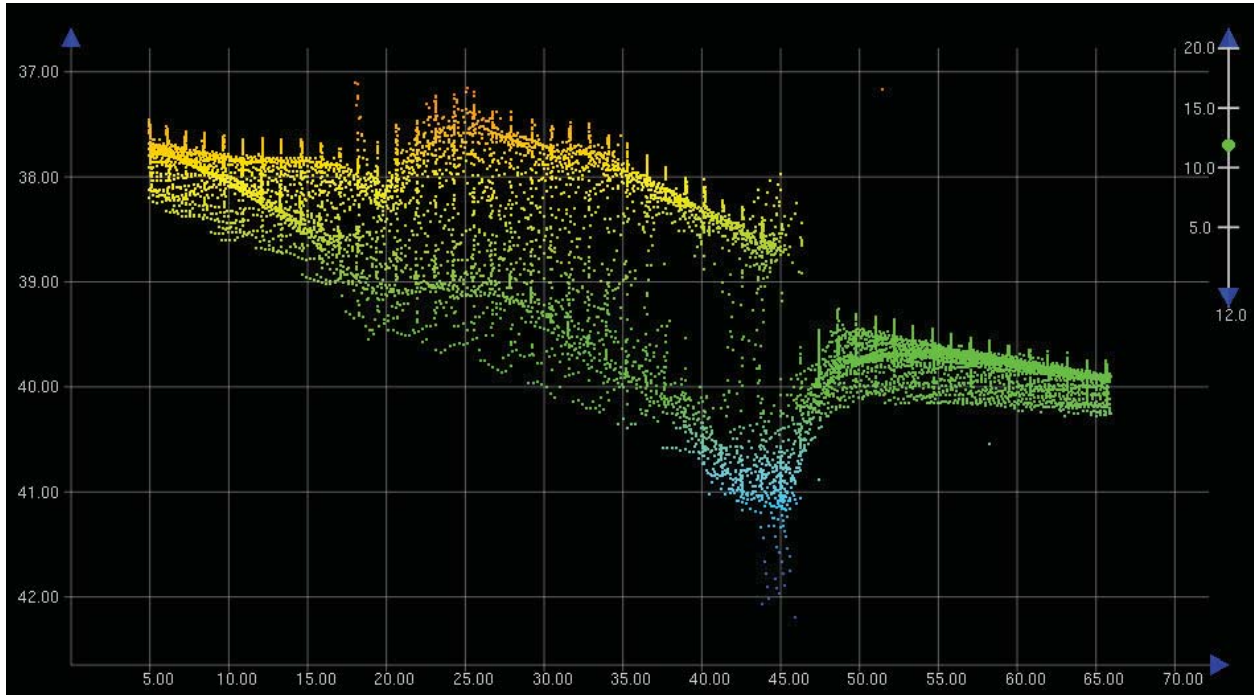


Figure 1.106.1

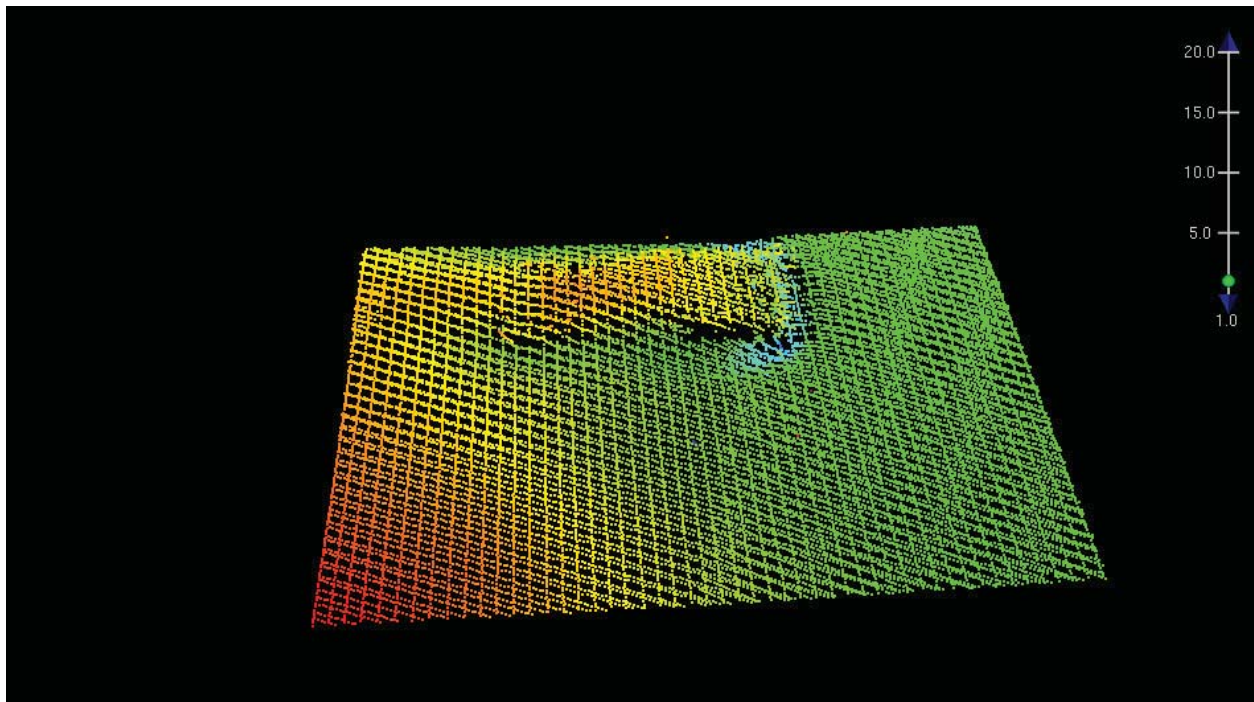


Figure 1.106.2

1.107) AWOIS 11364

Survey Summary

Survey Position: 40° 59' 24.0" N, 073° 26' 24.4" W
Least Depth: 30.33 m (= 99.50 ft = 16.584 fm = 16 fm 3.50 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072770 00001(022600011C420001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11364 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072770 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update AWOIS DB, updated charted depth.

Cartographically-Rounded Depth (Affected Charts):

99ft (12365_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

30m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 30.328 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: : AWOIS item 11364 is duplicated by AWOIS item 12666. It is recommended that Item 12666 is deleted from the AWOIS database. It is further recommended the charted 99ft wreck is deleted from the chart and the chart is updated with a 99.5ft wreck at the survey position.

Feature Images

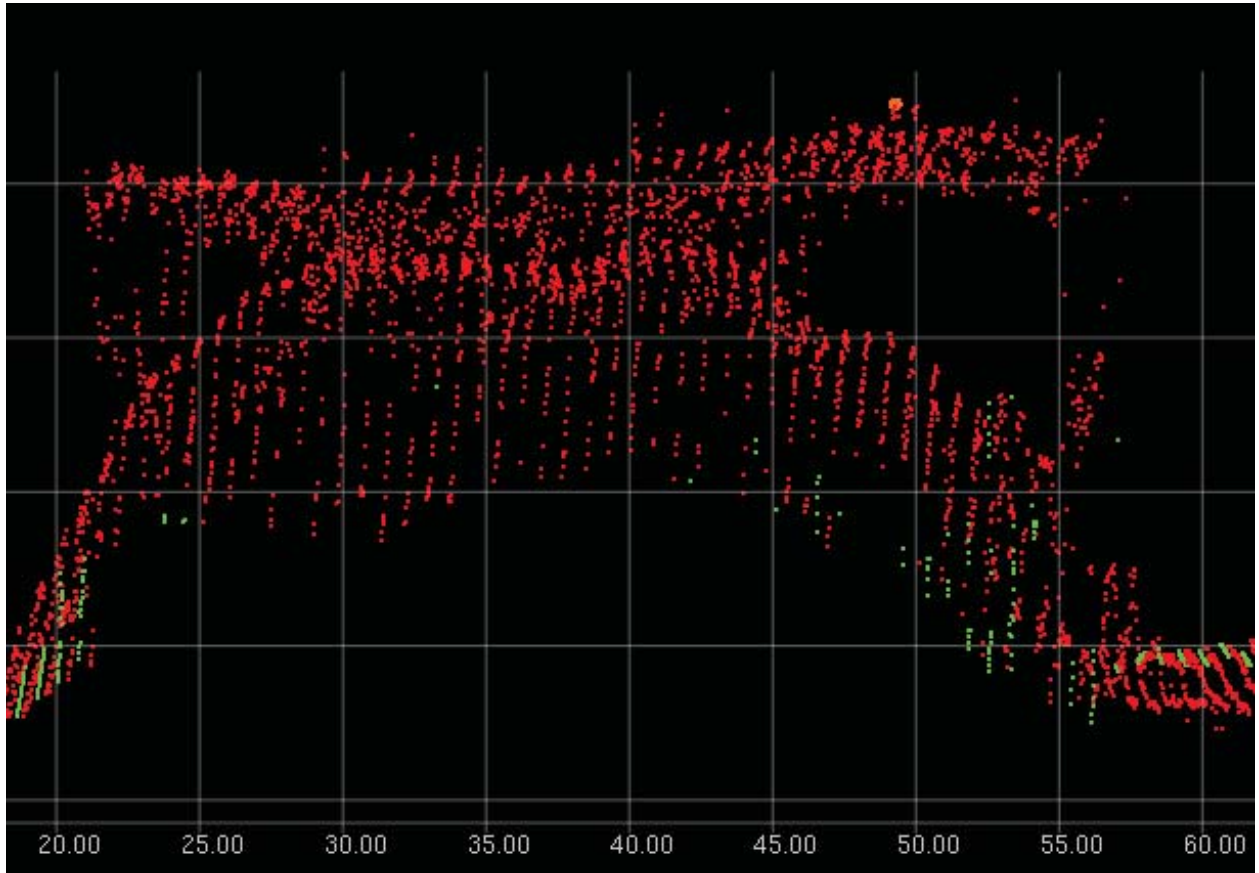


Figure 1.107.1

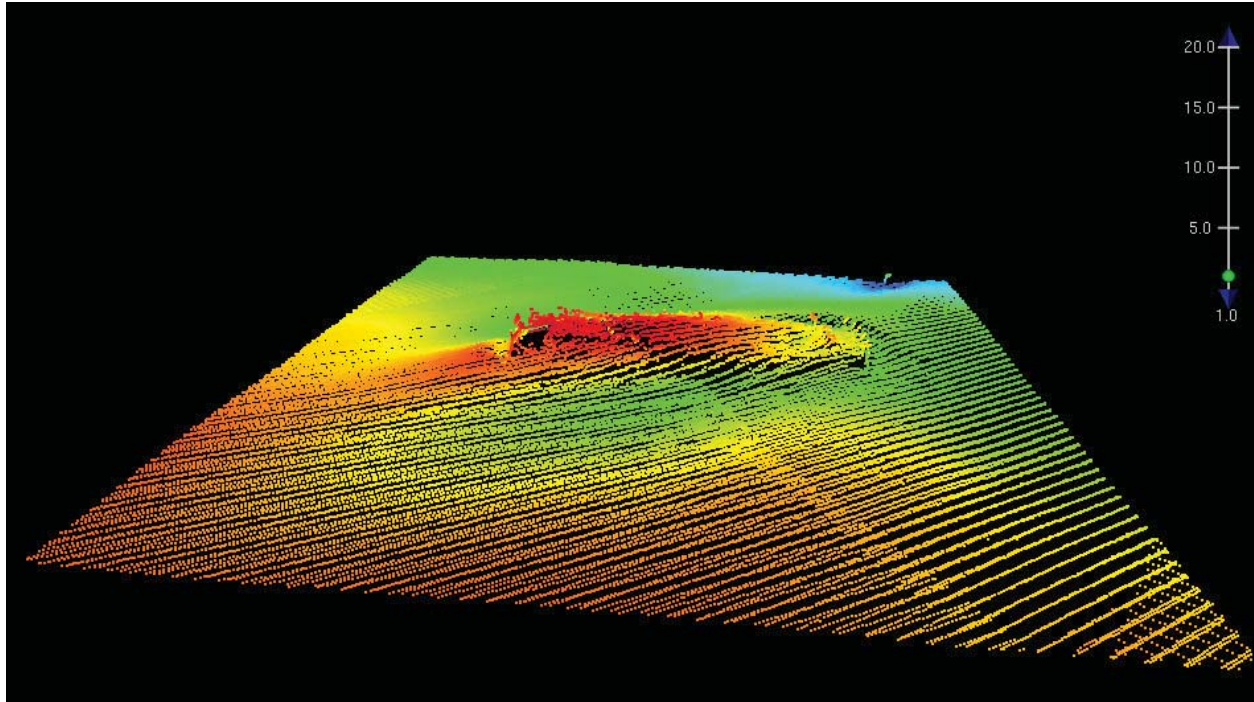


Figure 1.107.2

1.108) AWOIS 12666**Primary Feature for AWOIS Item #11364**

Search Position: 40° 59' 23.9" N, 073° 26' 24.7" W
Historical Depth: 30.18 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.40474N, LONG 73-26.40836W (NAD 83) WITH A LEAST DEPTH OF 29.59 METERS (97.0 FEET). CHARTED AS 87 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB development of charted 87 ft "sounding on wreck", Note that the AWOIS history has a survey finding a 97 ft wreck here; Delete 87 Wk in Lat. 40°59'24.28", Long. 73°26'24.50", Chart 99 Wk in Lat. 40°59'23.94", Long. 73°26'24.71" (RES 8/13/07).

Survey Summary

Survey Position: 40° 59' 24.3" N, 073° 26' 24.5" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072979 00001(022600011D130001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS items 11364 and 12666 are the same item. 11364 has more history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFORMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12666	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072979 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
NTXTDS - ENC US5NY14M,ED14,Update 1
SORDAT - 20120927
SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS data base. Survey data documents 99ft wreck 10m to the SSE.

COMPILE: AWOIS 12666 is duplicate of 11364. Delete duplicate AWOIS database entry 12666.

1.109) AWOIS 12684**Primary Feature for AWOIS Item #12684**

Search Position: 40° 59' 24.4" N, 073° 26' 36.7" W
Historical Depth: 25.30 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-24.84N, LONG. 73-26-36.82W. MB LD OF 83 FEET (25.4 METERS). (ENT 11/12/04, SJV)

S00002/02--S-B600-RU--Sunken barge located with multibeam, updated GPs, not charted, numerous wrecks in area (RES 9/20/07).

Survey Summary

Survey Position: 40° 59' 24.7" N, 073° 26' 36.8" W
Least Depth: 25.45 m (= 83.50 ft = 13.917 fm = 13 fm 5.50 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072733 00001(022600011C1D0001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072733 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12684	9.39	339.0	Secondary (grouped)

Hydrographer Recommendations

Chart a wreck. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

83ft (12365_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

25m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - No charting action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 25.451 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS12684 is uncharted and within charted caution area. No charting action. Update

AWOIS database with present survey findings.

Feature Images

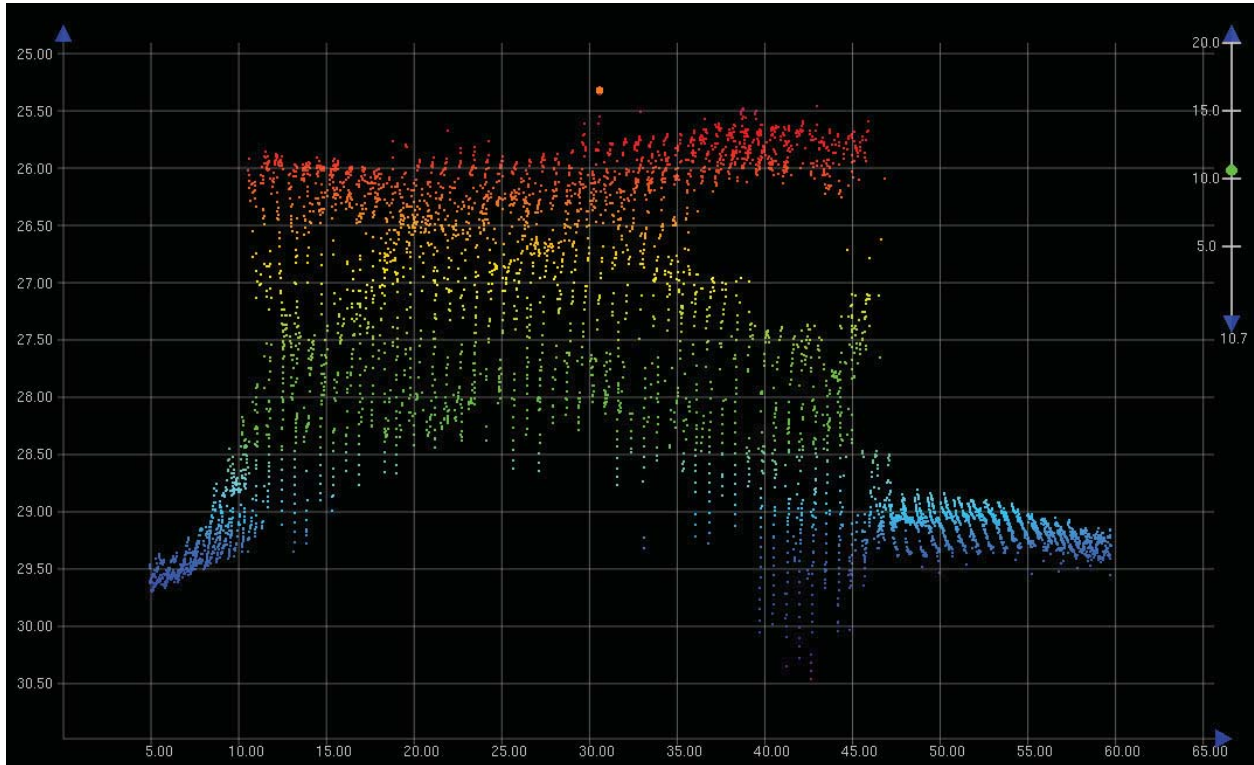


Figure 1.109.1

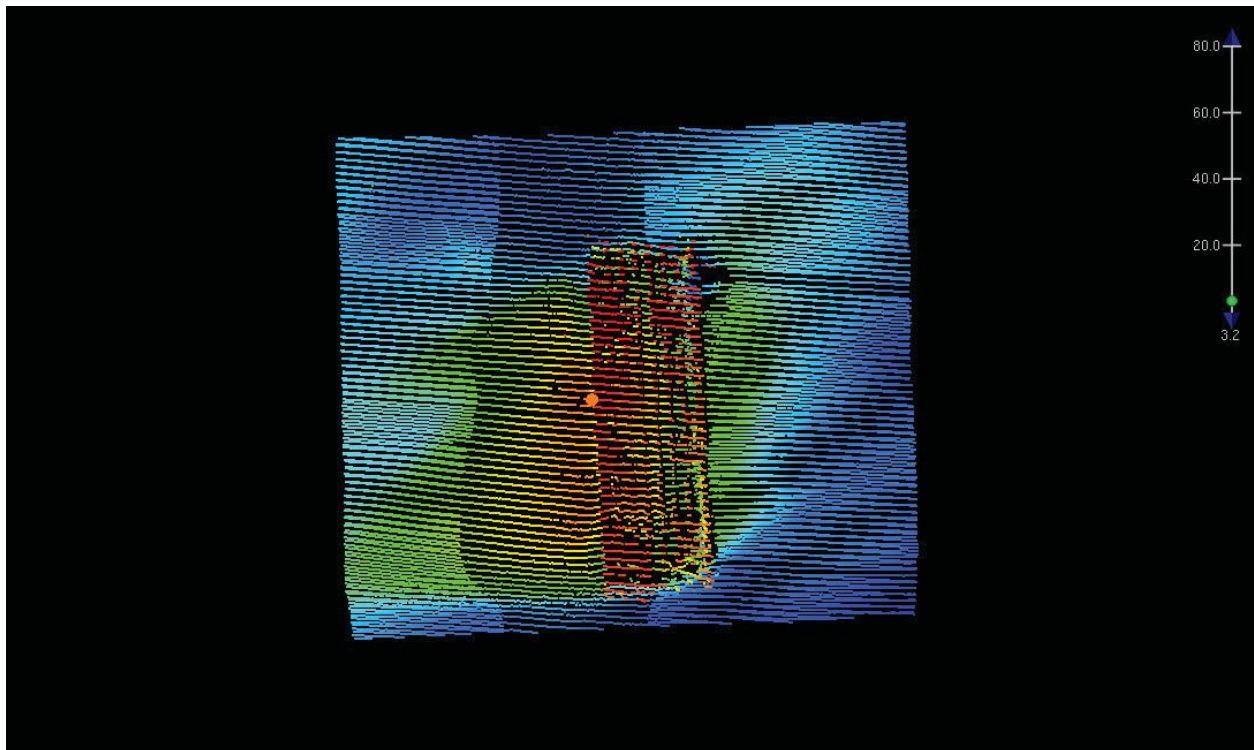


Figure 1.109.2

1.110) AWOIS 11836**Primary Feature for AWOIS Item #11836**

Search Position: 40° 59' 25.2" N, 073° 25' 58.8" W
Historical Depth: 37.80 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-25.20N, LONG. 73-25-58.76W. MULTIBEAM LD OF 38.39 METERS (125.9 FEET). EVALUATOR RECOMMENDS CHARTING A 124WK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 59' 25.1" N, 073° 25' 58.7" W
Least Depth: 37.53 m (= 123.14 ft = 20.523 fm = 20 fm 3.14 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072633 00001(022600011BB90001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11836 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072633 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11836	2.43	171.5	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, chart a non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

123ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

20fm (12300_1, 13006_1, 13003_1)

38m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 37.533 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Delete charted 124ft wreck. Chart AWOIS 11836, a 123.1 ft wreck, at survey position.

Feature Images

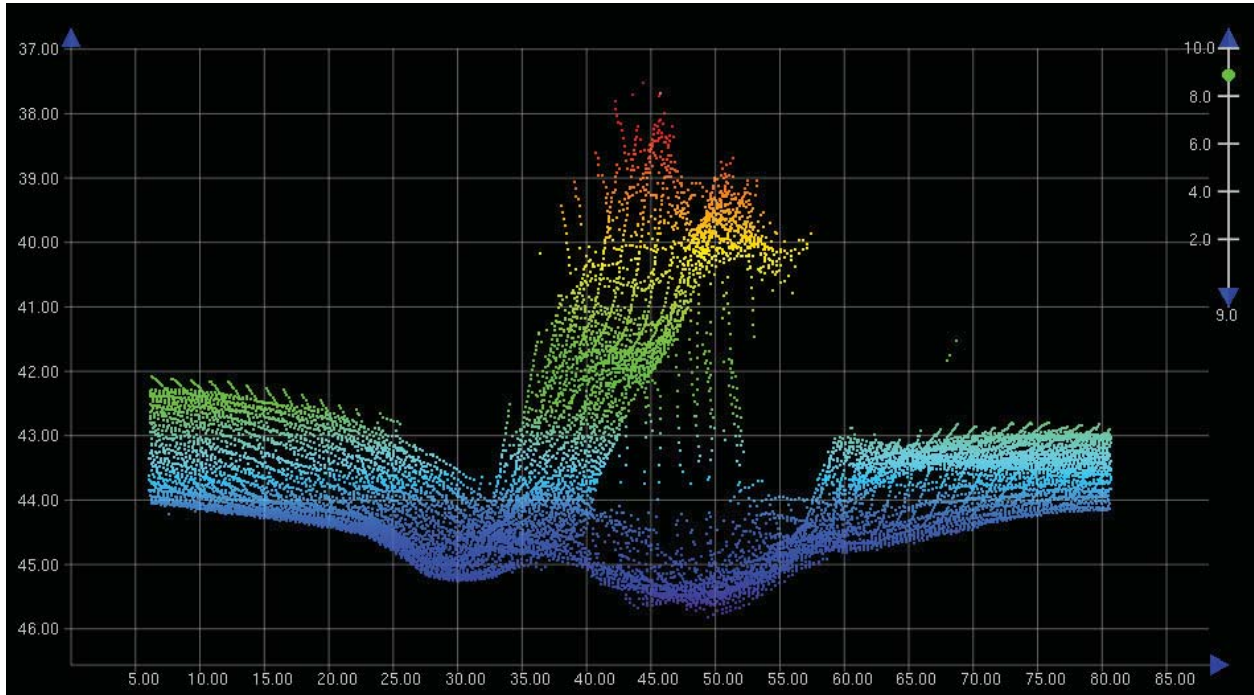


Figure 1.110.1

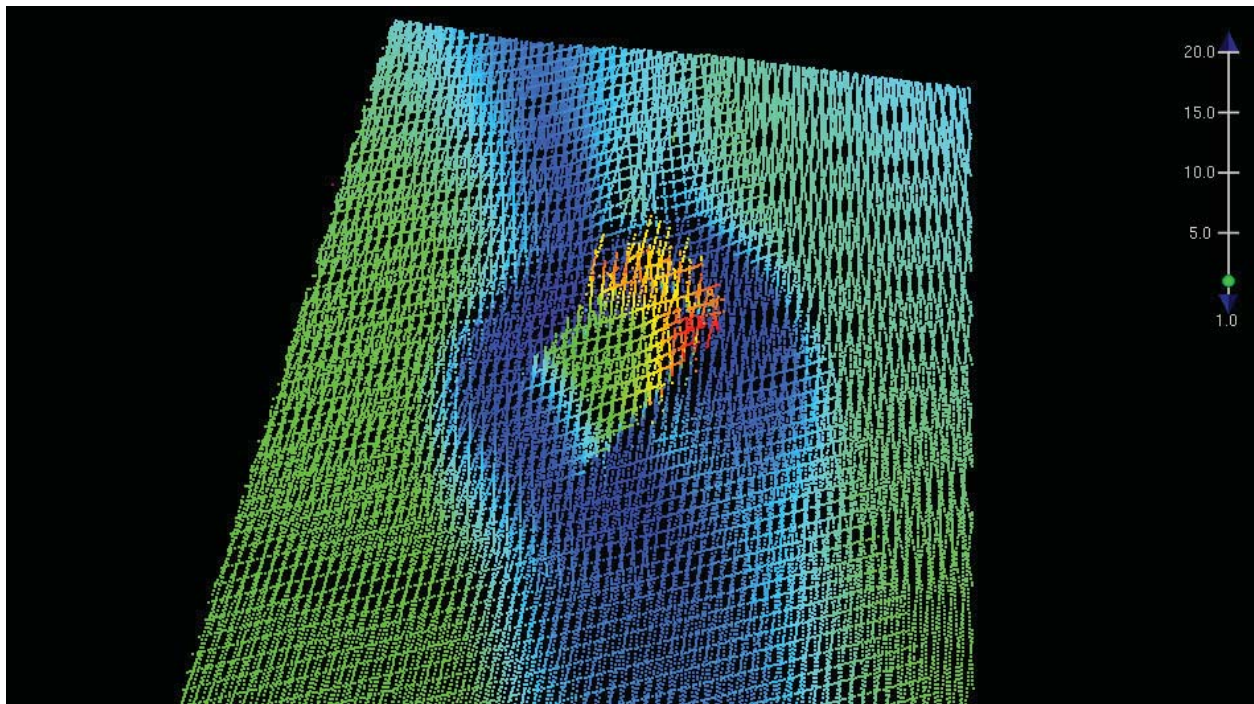


Figure 1.110.2

1.111) AWOIS 12641

Primary Feature for AWOIS Item #12641

Search Position: 40° 59' 25.2" N, 073° 27' 28.3" W
Historical Depth: 27.70 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-25.18N, LONG. 73-27-28.29W. MB LD OF 90.87 FEET (27.7 METERS). (ENT 11/10/04, SJV)

Survey Summary

Survey Position: 40° 59' 25.2" N, 073° 27' 28.4" W
Least Depth: 27.77 m (= 91.10 ft = 15.183 fm = 15 fm 1.10 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073364 00001(022600011E940001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073364 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12641	2.97	285.2	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

91ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

15fm (12300_1, 13006_1, 13003_1)

28m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 27.766 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and not hydrographically significant. The feature has been incorporated into the sea floor.

COMPILE: AWOIS 12641 is uncharted and within charted caution area. It is recommended that WOIS 12641, is charted as a 91.1 ft wreck, at survey position.

Feature Images

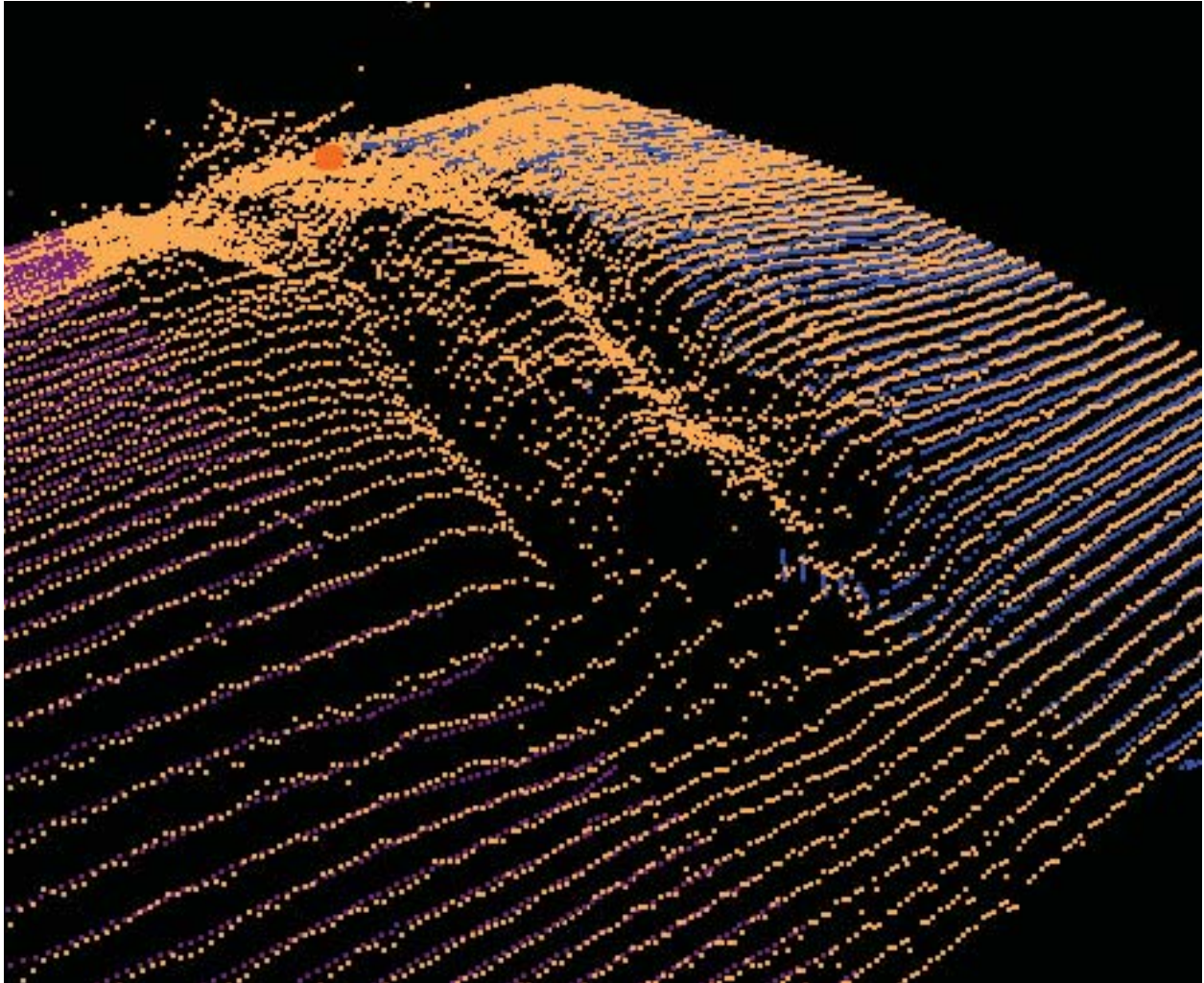


Figure 1.111.1

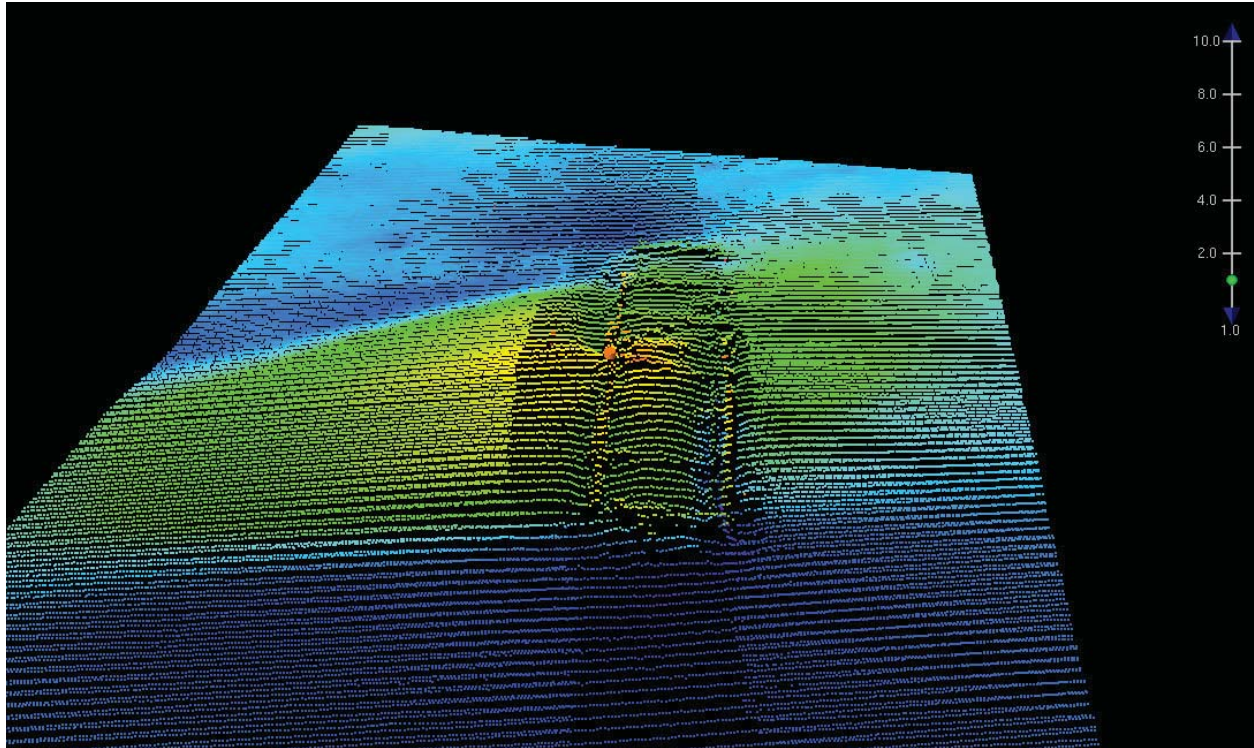


Figure 1.111.2

1.112) AWOIS 11361

Primary Feature for AWOIS Item #11361

Search Position: 40° 59' 25.5" N, 073° 27' 10.2" W
Historical Depth: 28.93 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.42527N, LONG 73-27.16961W (NAD 83) WITH A LEAST DEPTH OF 28.94 METERS (94.9 FFET). CHARTED AS 95 WK. (ENT 02/02, PSH)

Survey Summary

Survey Position: 40° 59' 26.0" N, 073° 27' 09.9" W
Least Depth: 29.26 m (= 95.99 ft = 15.998 fm = 15 fm 5.99 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072981 00001(022600011D150001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072981 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11361	17.34	025.8	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

96ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 29.257 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. COMPILER: Delete charted 95ft wreck. Chart AWOIS 11361, a 95.99ft wrecks, at survey position.

Feature Images

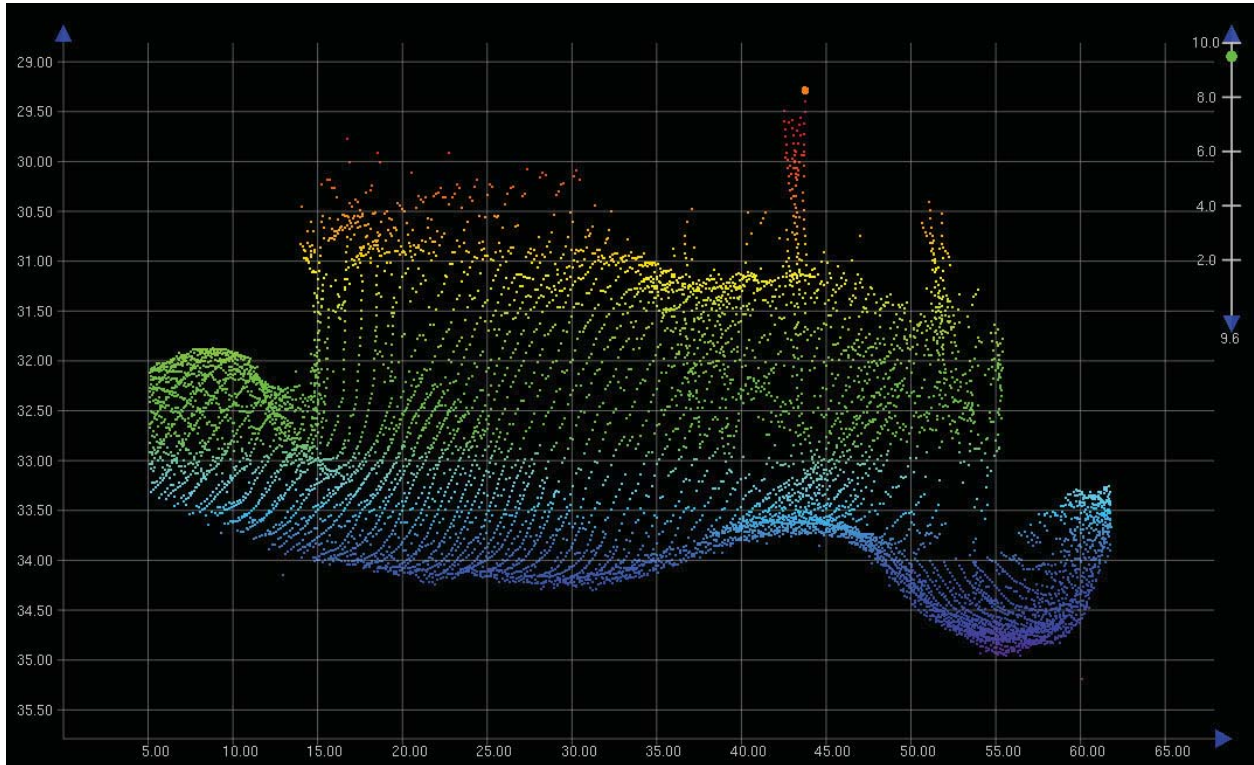


Figure 1.112.1

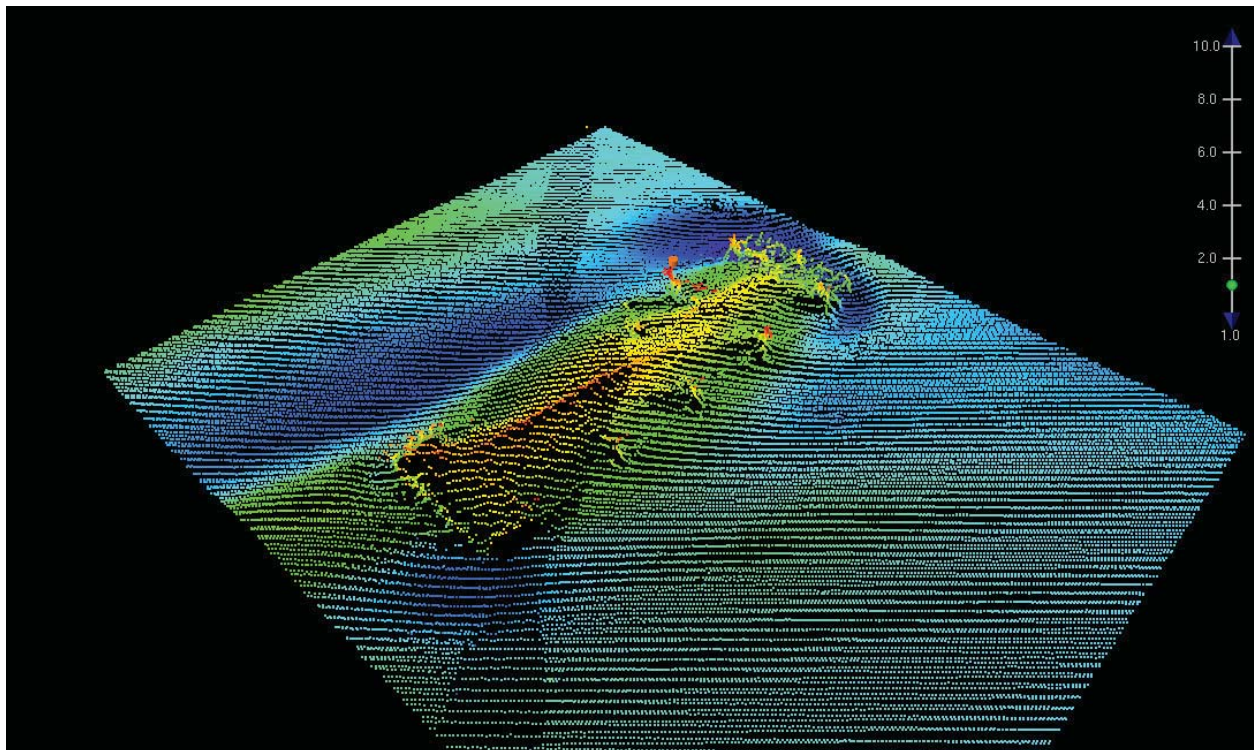


Figure 1.112.2

1.113) AWOIS 12718**Survey Summary**

Survey Position: 40° 59' 26.7" N, 073° 26' 33.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072742 00001(022600011C260001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item is duplicated by AWOIS item 11365. Item 11365 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12718	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072742 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-26.74N, LONG. 73-26-33.56W. MB LD OF 90.62 FEET (27.62 METERS). (ENT 11/15/04, SJV)

Office Notes

SAR NOTES: SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS database. Wreck located in the survey data at this location. Area appears to be scattered with boulders. Wreck is not identified.

COMPILE: AWOIS 12718 is duplicate of 11365. Delete duplicate AWOIS database entry 12718.

1.114) AWOIS 11365**Primary Feature for AWOIS Item #11365**

Search Position: 40° 59' 26.9" N, 073° 26' 33.5" W
Historical Depth: 27.13 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.44567N, LONG 73-26.55932W (NAD 83) WITH A LEAST DEPTH OF 27.62 METERS (90.6 FEET). CHARTED AS 90 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--Sunken barge, Delete 90ft Wk in Lat. 40°59'26.74", Long. 73°26'33.56", Chart 89ft Wk in Lat. 40°59'26.88", Long. 73°26'33.51" (RES 8/08/07).

Survey Summary

Survey Position: 40° 59' 26.9" N, 073° 26' 33.6" W
Least Depth: 26.68 m (= 87.55 ft = 14.592 fm = 14 fm 3.55 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072769 00001(022600011C410001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072769 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11365	2.70	277.3	Secondary (grouped)

Hydrographer Recommendations

Update Chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

87ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

27m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 26.685 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update VALSOU.

COMPILE: AWOIS item 11365 is duplicated by AWOIS item 12718. It is recommended that Item 12718 is deleted from the AWOIS database. It is further recommended the charted 85ft wreck is deleted from the chart and the chart is updated with an 87.5ft wrecks, at survey position, to represent the group of wrecks in the vicinity.

Feature Images

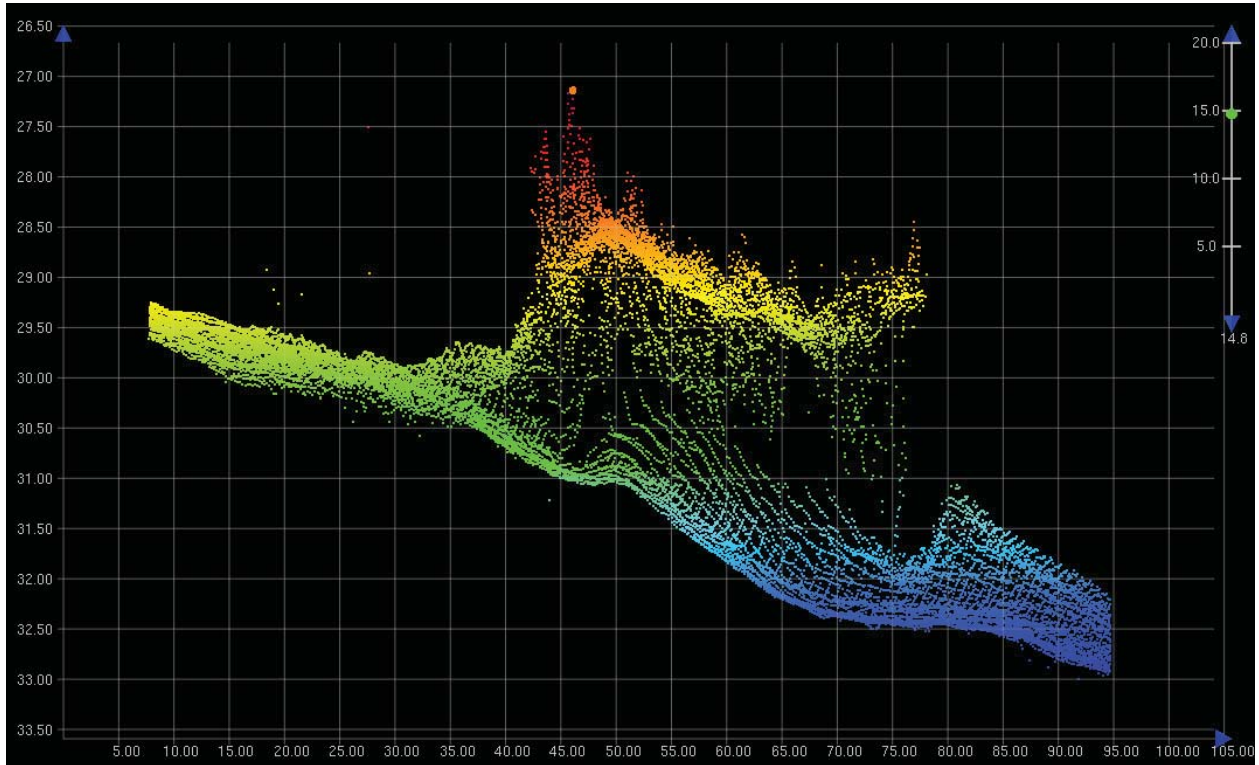


Figure 1.114.1

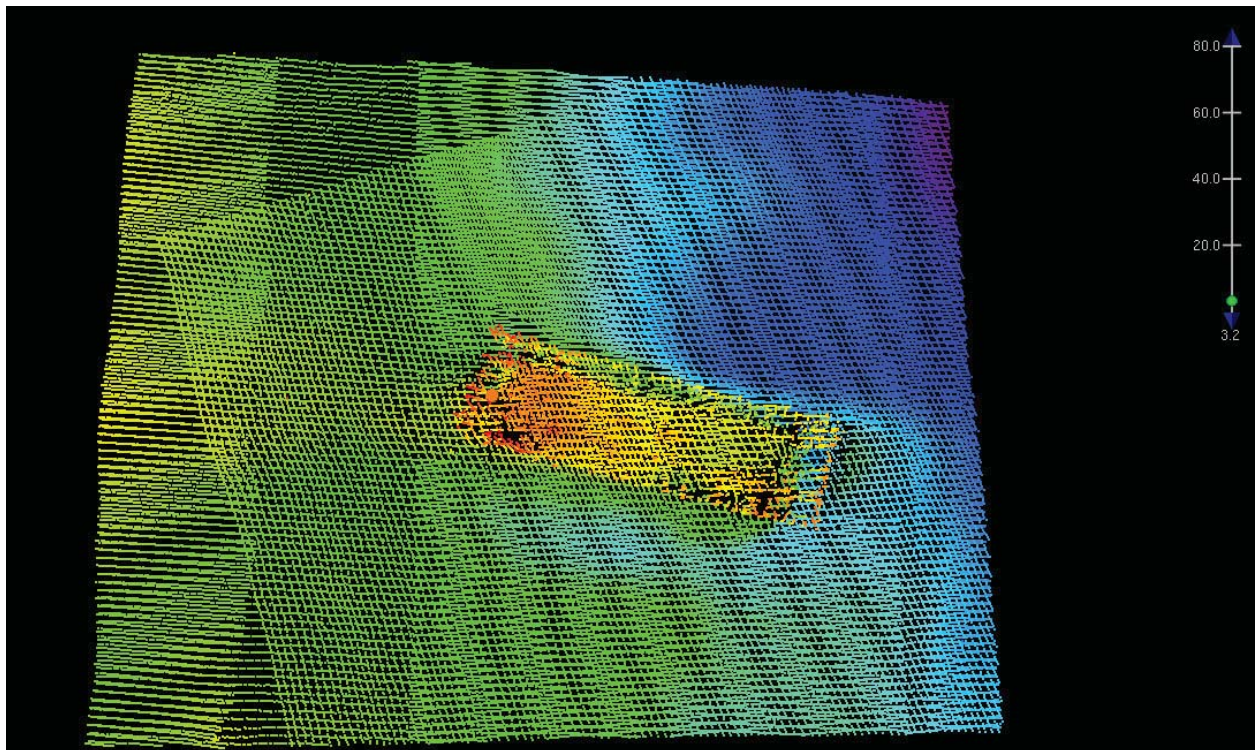


Figure 1.114.2

1.115) AWOIS 12671

Primary Feature for AWOIS Item #12671

Search Position: 40° 59' 27.1" N, 073° 26' 24.5" W
Historical Depth: 32.00 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-27.11N, LONG. 73-26-24.52W. MB LD OF 107.64 FEET (32.87 METERS). (ENT 11/12/04, SJV)

S00002/02--S-B600-RU--SWMB located barge SSS shows an obstruction on the North West side of the wreck that is not picked up by the SWMB Sonar. Due to time constraints the wreck was not developed by divers, but should be investigated further; changed depth from 107.6 to 105ft; not charted, numerous wrecks located in area (RES 9/20/07).

Survey Summary

Survey Position: 40° 59' 26.9" N, 073° 26' 24.5" W
Least Depth: 32.56 m (= 106.81 ft = 17.802 fm = 17 fm 4.81 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072760 00001(022600011C380001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12671 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072760 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12671	5.36	179.6	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

107ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 32.557 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12671 is uncharted and within charted caution area. No charting action. Update

AWOIS database with present survey findings.

Feature Images

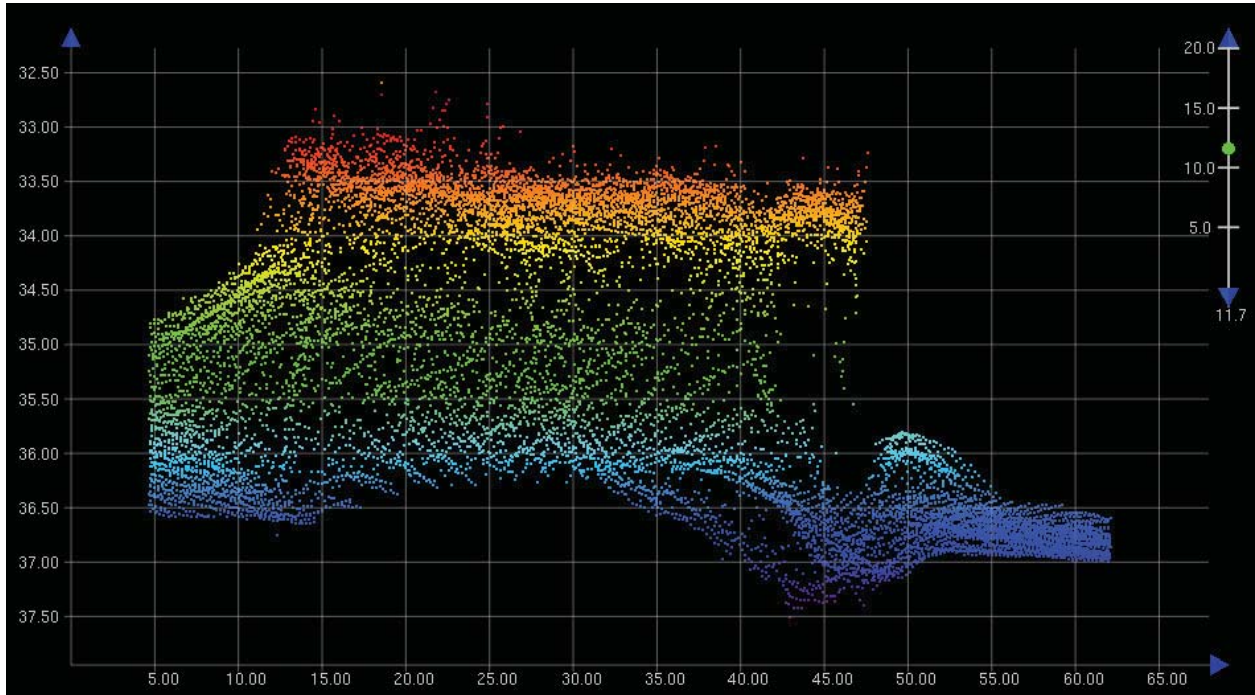


Figure 1.115.1

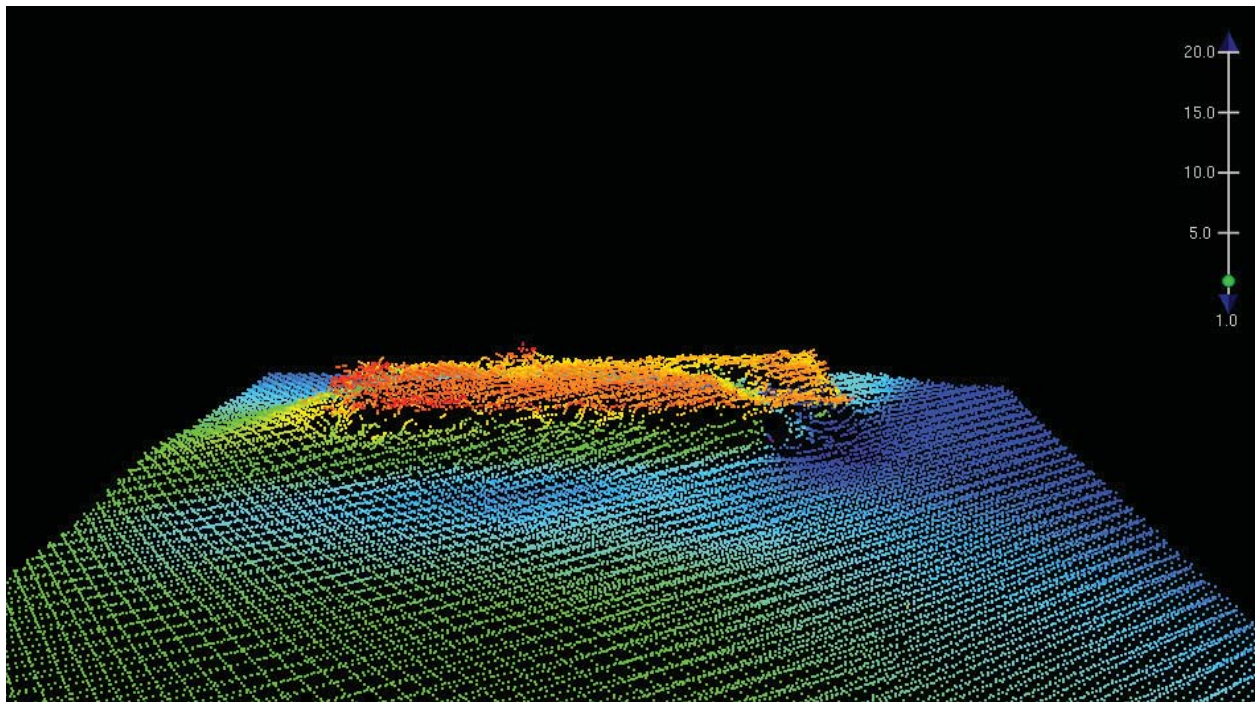


Figure 1.115.2

1.116) AWOIS 12722**Primary Feature for AWOIS Item #12722**

Search Position: 40° 59' 26.3" N, 073° 26' 42.1" W
Historical Depth: 25.18 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-26.28N, LONG. 73-26-42.13W. MB LD OF 82.6 FEET (25.19 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 40° 59' 27.0" N, 073° 26' 42.4" W
Least Depth: 25.53 m (= 83.75 ft = 13.958 fm = 13 fm 5.75 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072758 00001(022600011C360001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072758 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12722	21.69	344.5	Secondary (grouped)

Hydrographer Recommendations

Chart a wreck. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

83ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

26m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 25.526 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Wreck appears to be silted and appears incorporated into the sea floor.

COMPILE: AWOIS 12722 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

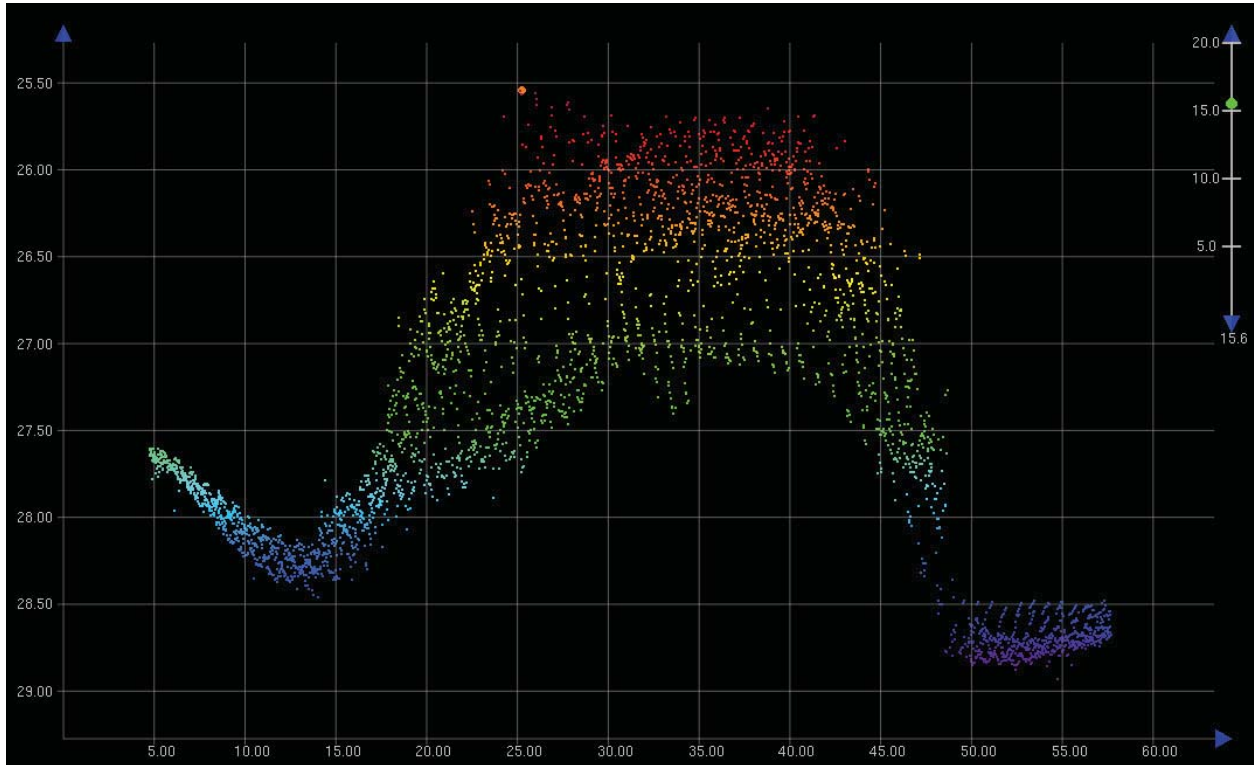


Figure 1.116.1

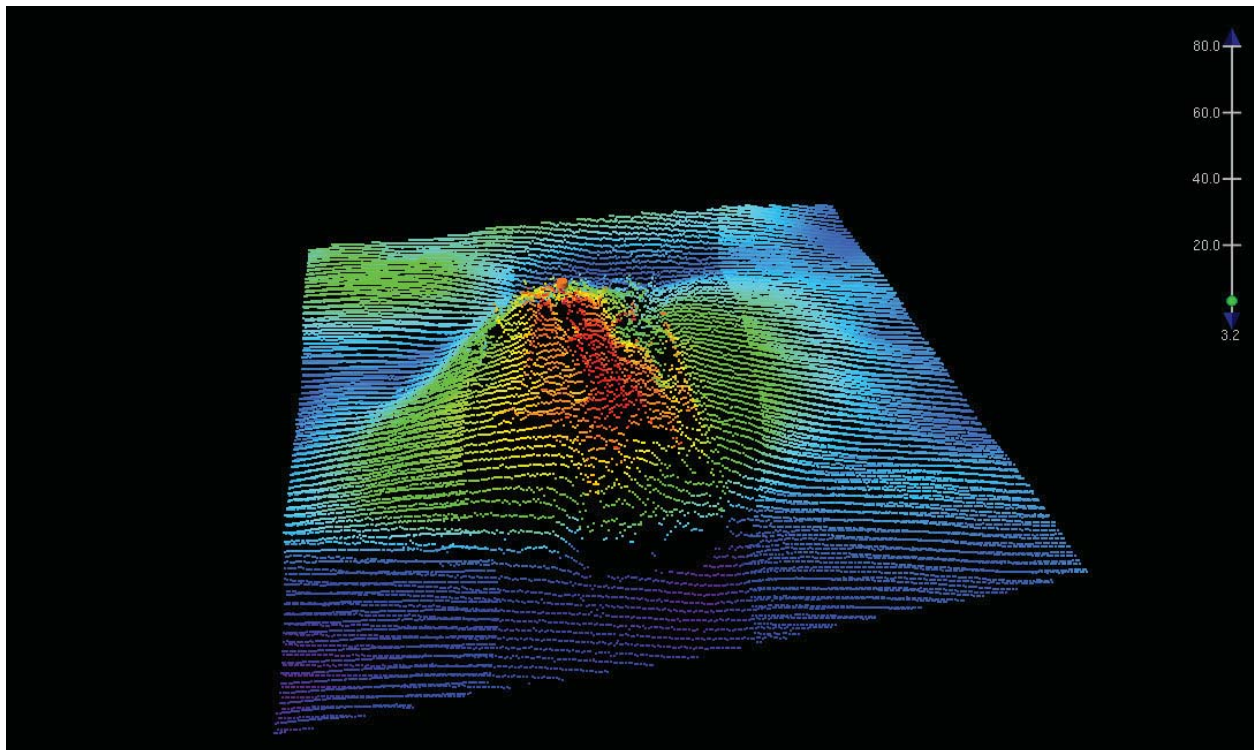


Figure 1.116.2

1.117) AWOIS 11362**Primary Feature for AWOIS Item #11362**

Search Position: 40° 59' 28.3" N, 073° 27' 17.6" W
Historical Depth: 26.67 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.47170N, LONG 73-27.29404W (NAD 83) WITH A LEAST DEPTH OF 26.7 METERS (87.5 FEET). CHARTED AS 87 WK. (ENT 02/02, PSH)

Survey Summary

Survey Position: 40° 59' 28.3" N, 073° 27' 17.8" W
Least Depth: 26.70 m (= 87.59 ft = 14.599 fm = 14 fm 3.59 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000073347 00001(022600011E830001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000073347 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11362	2.81	281.9	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

87ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

27m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 26.698 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Wreck has historic architecture appearance and shape.

COMPILE: Delete charted 87ft wreck. Chart AWOIS 11362, an 87.6ft wreck, at survey position.

Feature Images

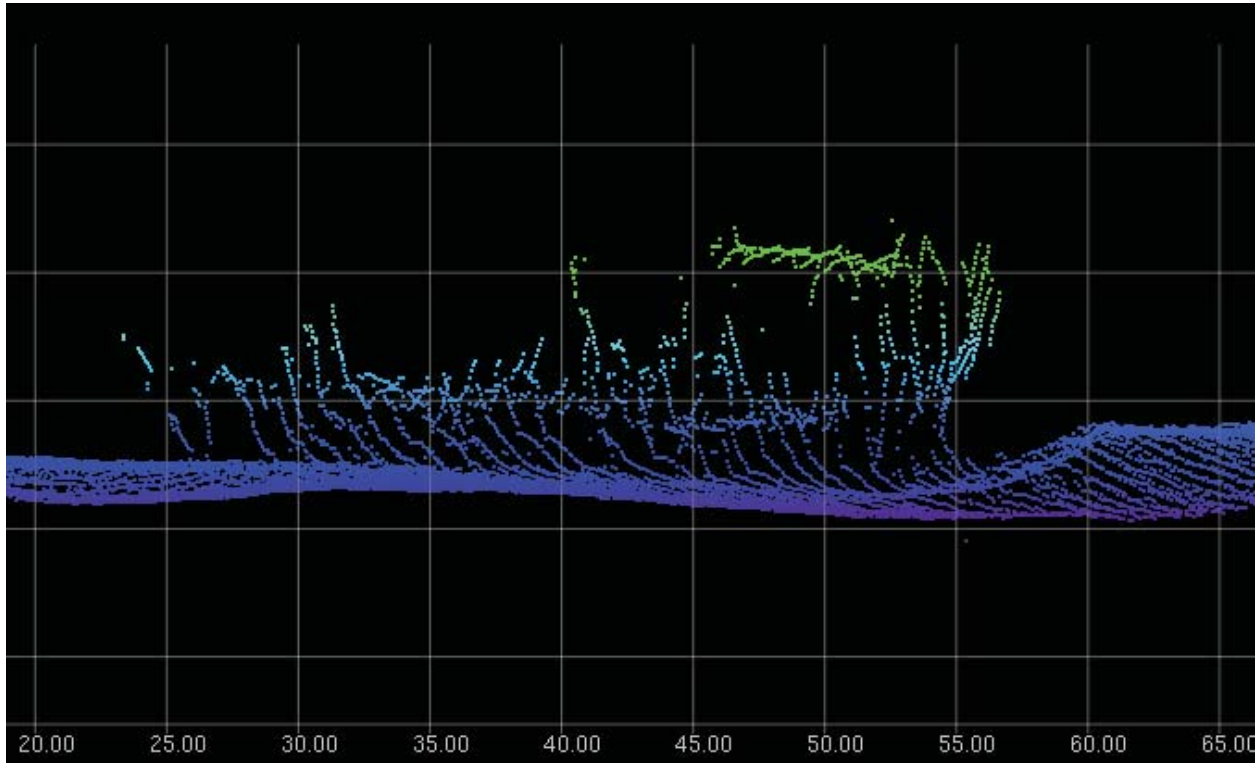


Figure 1.117.1

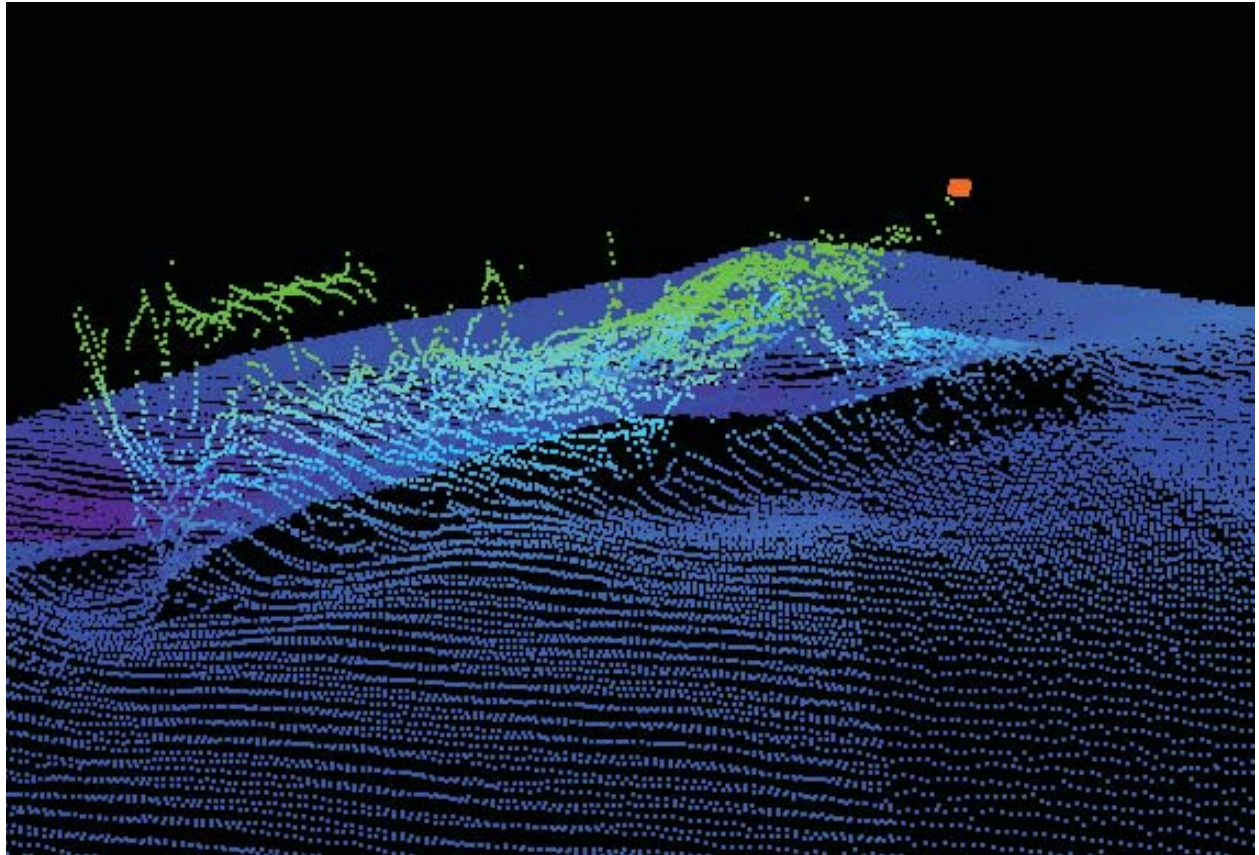


Figure 1.117.2

1.118) AWOIS 11367**Survey Summary**

Survey Position: 40° 59' 28.4" N, 073° 26' 14.9" W
Least Depth: 33.24 m (= 109.07 ft = 18.179 fm = 18 fm 1.07 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072768 00001(022600011C400001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11367 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072768 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update AWOIS DB, update charted wreck.

Cartographically-Rounded Depth (Affected Charts):

109ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wrecks
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 33.245 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: AWOIS item 11367 is duplicated by AWOIS item 12667. It is recommended that Item 12667 is deleted from the AWOIS database. It is further recommended the charted 109ft wreck is deleted from the chart and the chart is updated with a 109.07ft wrecks at the present survey position to represent the group of wrecks in the area.

Feature Images

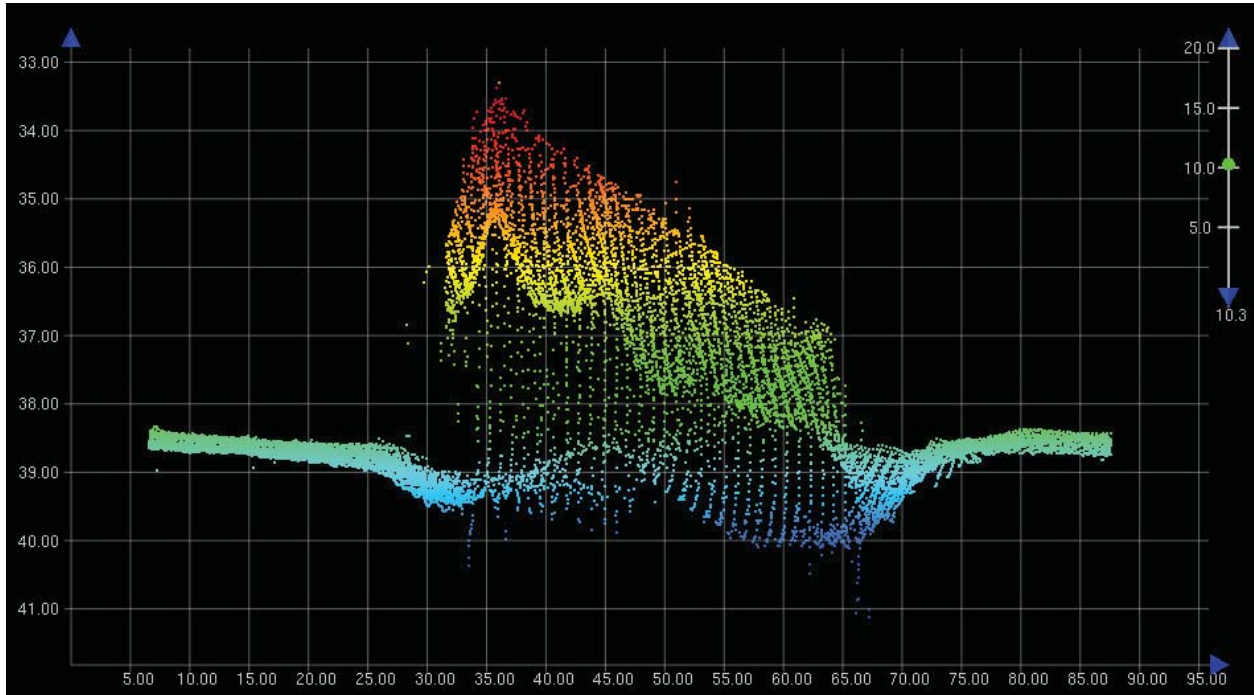


Figure 1.118.1

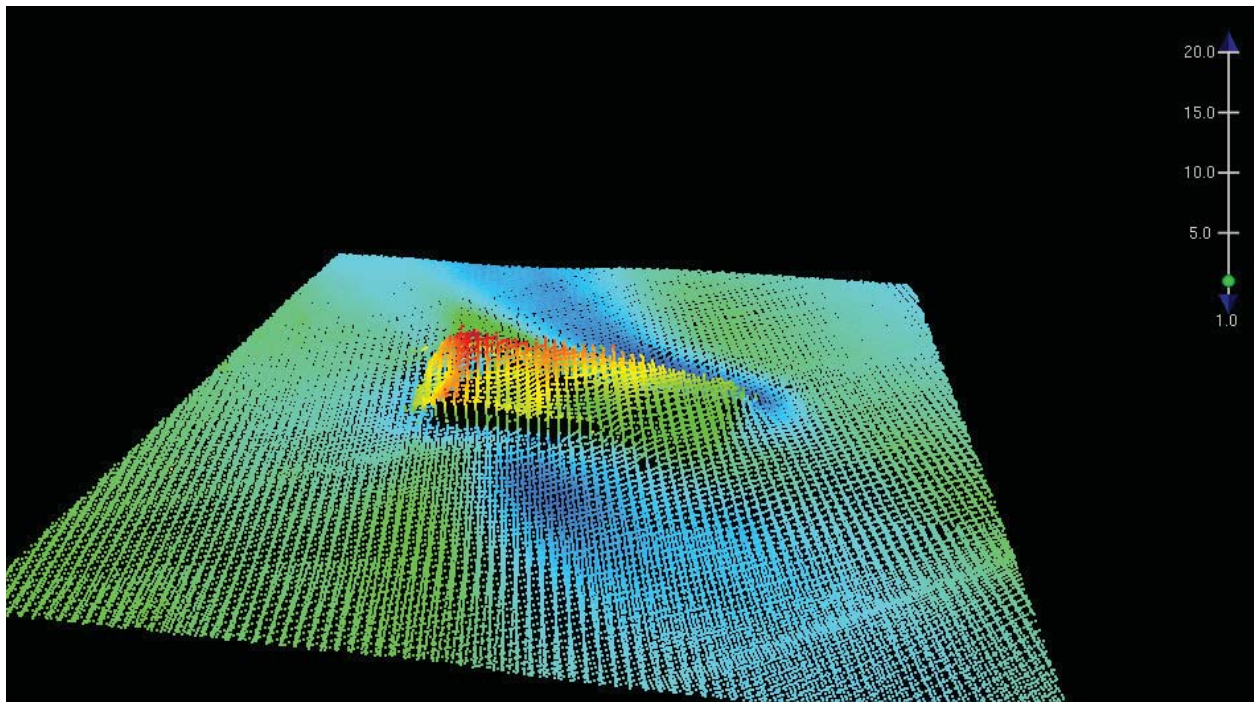


Figure 1.118.2

1.119) AWOIS 12667**Primary Feature for AWOIS Item #11367**

Search Position: 40° 59' 28.4" N, 073° 26' 14.9" W
Historical Depth: 33.41 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.47340N, LONG 73-26.24837W (NAD 83) WITH A LEAST DEPTH OF 33.42 METERS (109.6 FEET). CHARTED AS 108 (SIC) WK. (ENT 02/02, PSH)

Survey Summary

Survey Position: 40° 59' 28.4" N, 073° 26' 14.9" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072752 00001(022600011C300001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 11367 and 12667 are identical contacts. 11367 has more detailed history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12667	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072752 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
NTXTDS - ENC US5CN11M,ED24,Update 3
SORDAT - 20120927
SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update the AWOIS database. Chart discrepancy exists between charts 12365 and 12368.

COMPILE: AWOIS 12667 is duplicate of 11367. Delete duplicate AWOIS database entry 12667.

1.120) AWOIS 11366**Primary Feature for AWOIS Item #11366**

Search Position: 40° 59' 29.2" N, 073° 26' 41.4" W
Historical Depth: 24.69 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.48909N, LONG 73-26.69094W (NAD 83) WITH A LEAST DEPTH OF 25.07 METERS (82.2 FEET). CHARTED AS 82 WK. (ENT 02/02, PSH

S00002/02--S-B600-RU--Wreck lying on its side. Delete 82ft Wk in Lat. 40°59'29.35", Long. 73°26'41.46", Chart 81ft Wk in Lat. 40°59'29.19", Long. 73°26'41.43" (RES 8/09/07).

Survey Summary

Survey Position: 40° 59' 29.3" N, 073° 26' 41.5" W
Least Depth: 25.00 m (= 82.01 ft = 13.668 fm = 13 fm 4.01 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072771 00001(022600011C430001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072771 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11366	4.78	347.2	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

82ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

13fm (12300_1, 13006_1, 13003_1)

25m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 24.996 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Delete charted 81ft wreck. Chart AWOIS 11366, a 82ft wreck at survey position.

Feature Images

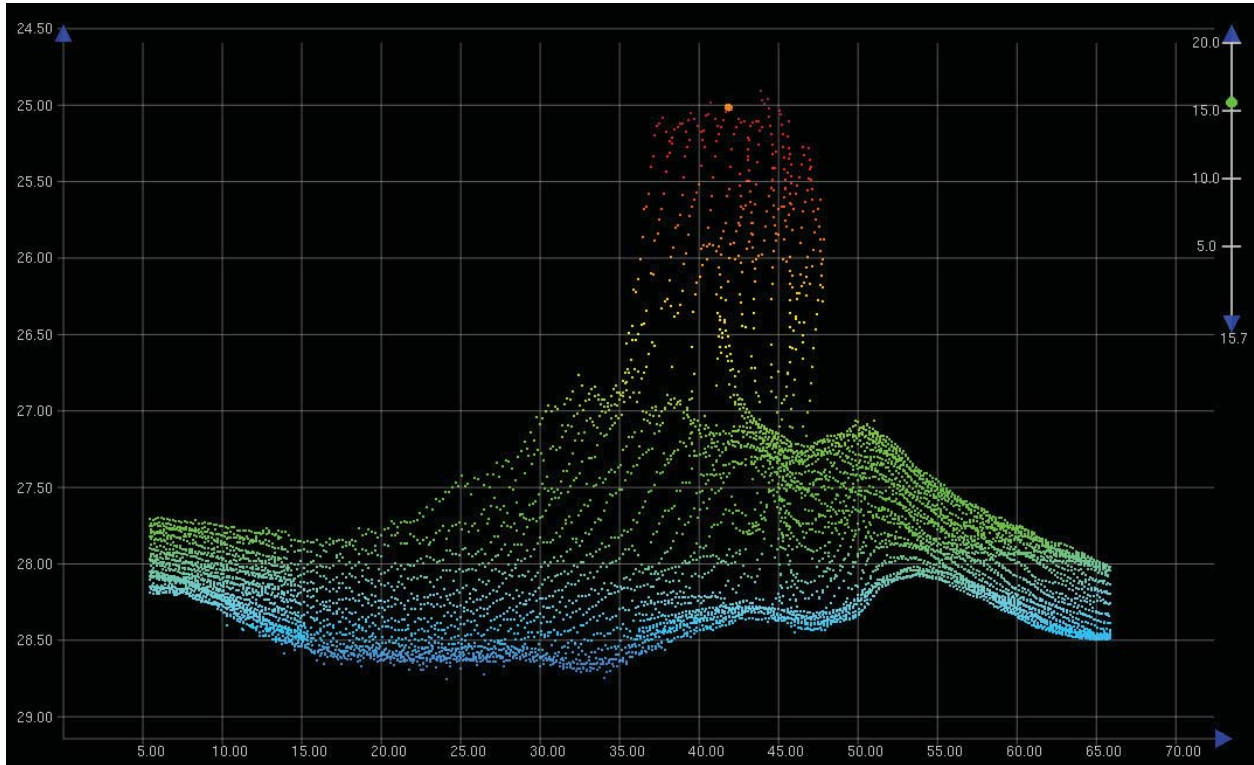


Figure 1.120.1

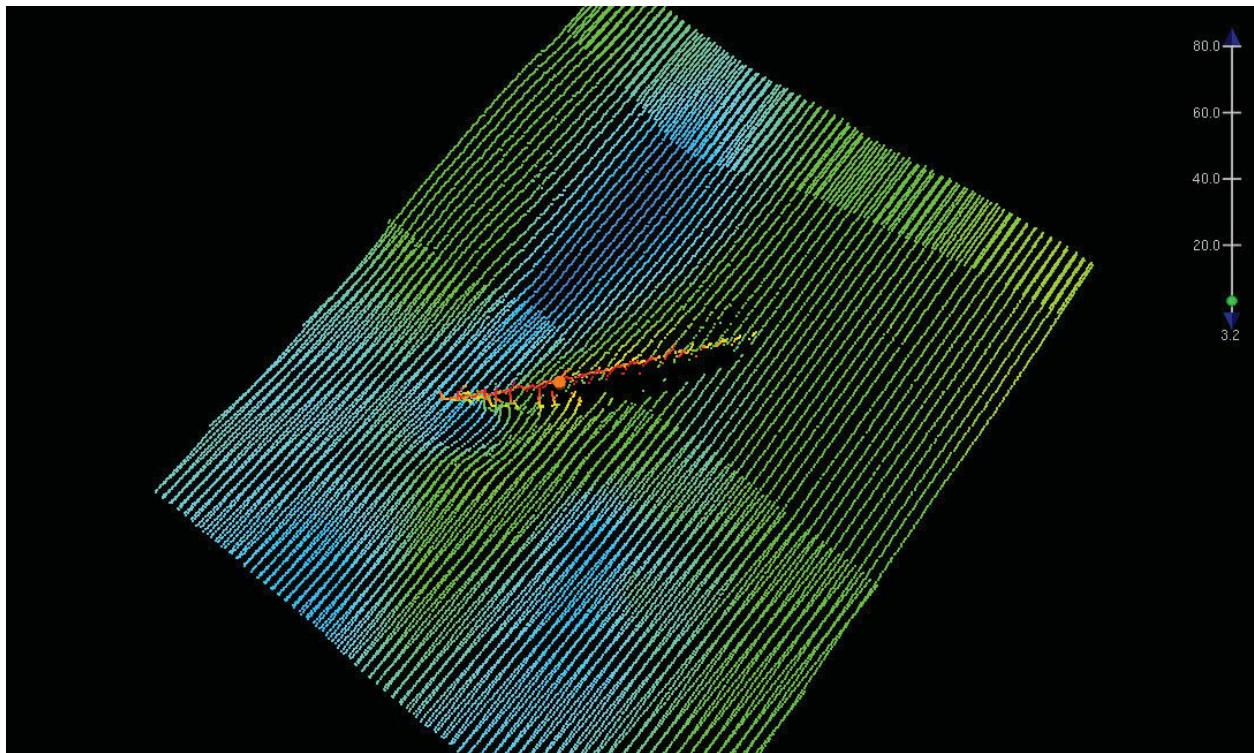


Figure 1.120.2

1.121) AWOIS 12724**Survey Summary**

Survey Position: 40° 59' 29.3" N, 073° 26' 22.7" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072976 00001(022600011D100001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No wreck found in this location. Search conducted with complete Reson 7125 MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12724	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072976 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-29.35N , LONG. 73-26-22.67W. MB LD OF 82 FEET (25.07 METERS). (ENT 11/16/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update the AWOIS database.

COMPILE: AWOIS 12724 is disproved, uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

1.122) AWOIS 12698**Survey Summary**

Survey Position: 40° 59' 29.4" N, 073° 25' 05.2" W
Least Depth: 38.93 m (= 127.71 ft = 21.285 fm = 21 fm 1.71 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072630 00001(022600011BB60001)

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-29.39N, LONG. 73-25-05.21W/ MB LD OF 128 FEET (39.09 METERS). (ENT 11/15/04, SJV)

Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS 12698 is the same as AWOIS 11833. As well, no evidence of a wreck was found.

WRECKS/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12698	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072630 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

Cartographically-Rounded Depth (Affected Charts):

127ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

21fm (12300_1, 13006_1, 13003_1)

39m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 NINFOM - Chart wrecks

QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
VALSOU - 38.926 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Do not concur with field unit. Ensonified with complete coverage MBES. Evidence of this feature was found, but has been incorporated in with the sea floor; very little vertical rise above the sea floor. This feature is not considered disproved. Recommend to chart survey depths within the common area. Duplicated AWOIS items (11833 and 12698).

COMPILE: AWOIS item 12698 is duplicated by AWOIS item 11833. It is recommended that Item 11833 is deleted from the AWOIS database. It is further recommended the charted 128ft wreck is deleted from the chart and the chart is updated with a 127.71ft wrecks, at survey position.

1.123) AWOIS 11833

Survey Summary

Survey Position: 40° 59' 29.6" N, 073° 25' 05.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072602 00001(022600011B9A0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No evidence of a wreck was found in this area. Area was searched with found with Reson 7125 complete MBES.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072602 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from AWOIS DB, delete charted wreck.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY
 H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-29.34N, LONG. 73-25-05.21W. MULTIBEAM LD OF 39.09 METERS (128 FEET). EVALUATOR RECOMMENDS CHARTING A 128WK AS SURVEYED. (ENT 4/14/03, SJV)

Office Notes

SAR NOTES: Do not concur with field unit. Ensonified with complete coverage MBES. Evidence of this feature was found, but has been incorporated in with the sea floor; very little vertical rise above the sea floor. . This feature is not considered disproved. Chart survey depths within the common area. Duplicated AWOIS items (11833 and 12698).

COMPILE: AWOIS 11833 is duplicate of 12698. Delete duplicate AWOIS database entry 11833.

1.124) AWOIS 12702

Primary Feature for AWOIS Item #12702

Search Position: 40° 59' 30.1" N, 073° 25' 11.2" W
Historical Depth: 44.46 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-30.03N, LONG. 73-25-11.22W. MB LD OF 145.87 FEET (44.46 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 40° 59' 30.0" N, 073° 25' 11.3" W
Least Depth: 44.15 m (= 144.86 ft = 24.143 fm = 24 fm 0.86 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072625 00001(022600011BB10001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12702 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072625 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12702	3.00	241.4	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

145ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

24fm (12300_1, 13006_1, 13003_1)

44m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 44.153 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12702 is uncharted and within charted caution area. No charting action. Update

AWOIS database with present survey findings.

Feature Images

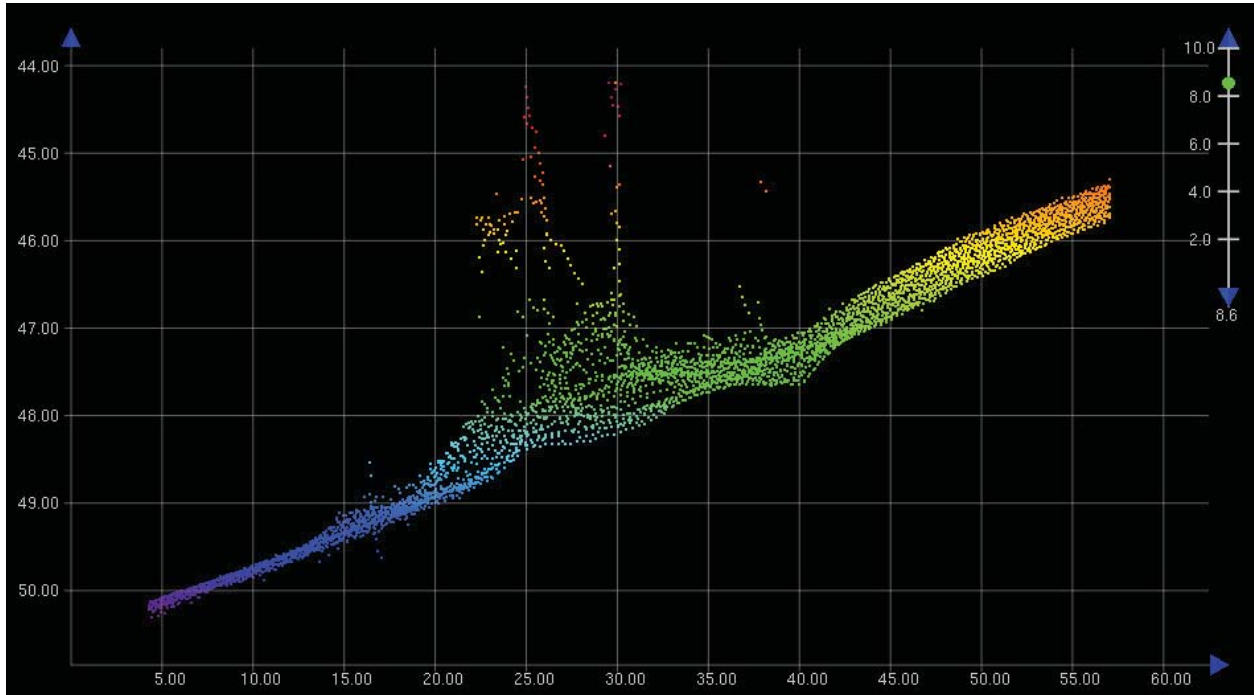


Figure 1.124.1

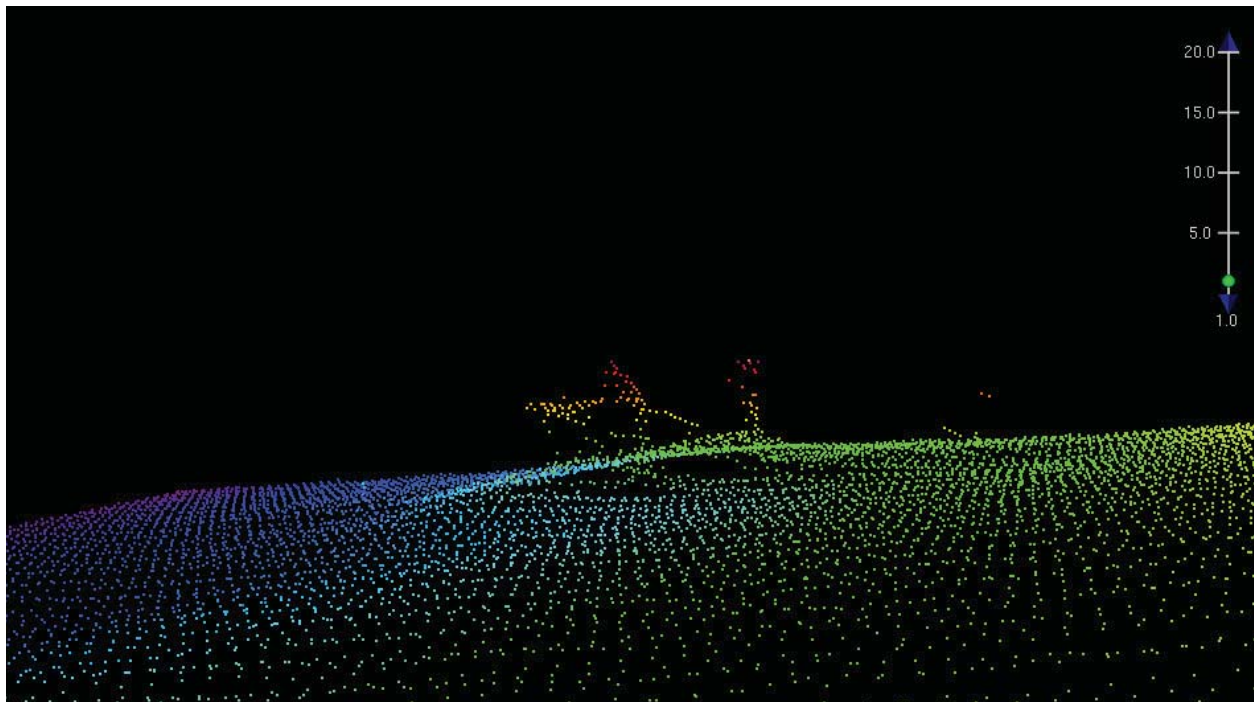


Figure 1.124.2

1.125) AWOIS 12700**Survey Summary**

Survey Position: 40° 59' 32.6" N, 073° 24' 58.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072604 00001(022600011B9C0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No evidence of a wreck was found. Search was conducted with Reson 7125 complete MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12700	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072604 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-32.58N, LONG. 73-24-58.28W. MB LD OF 136 FEET (41.49 METERS). (ENT 11/15/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. This feature is not considered disproved. Evidence of this feature was found but has very little rise above the sea floor. 137ft depth located on the feature and is considered insignificant. Recommend to update AWOIS database. Chart survey depths.

COMPILE: AWOIS 12700 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

1.126) AWOIS 12680**Primary Feature for AWOIS Item #12680**

Search Position: 40° 59' 35.0" N, 073° 26' 30.1" W
Historical Depth: 33.22 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-34.96N, LONG. 73-26-30.15W. MB LD OF 109 FEET (33.28 METERS). (ENT 11/12/04, SJV)

Survey Summary

Survey Position: 40° 59' 34.6" N, 073° 26' 30.5" W
Least Depth: 33.34 m (= 109.37 ft = 18.228 fm = 18 fm 1.37 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072737 00001(022600011C210001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072737 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12680	14.77	211.8	Secondary (grouped)

Hydrographer Recommendations

Update Chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

109ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 33.335 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: AWOIS 12680 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

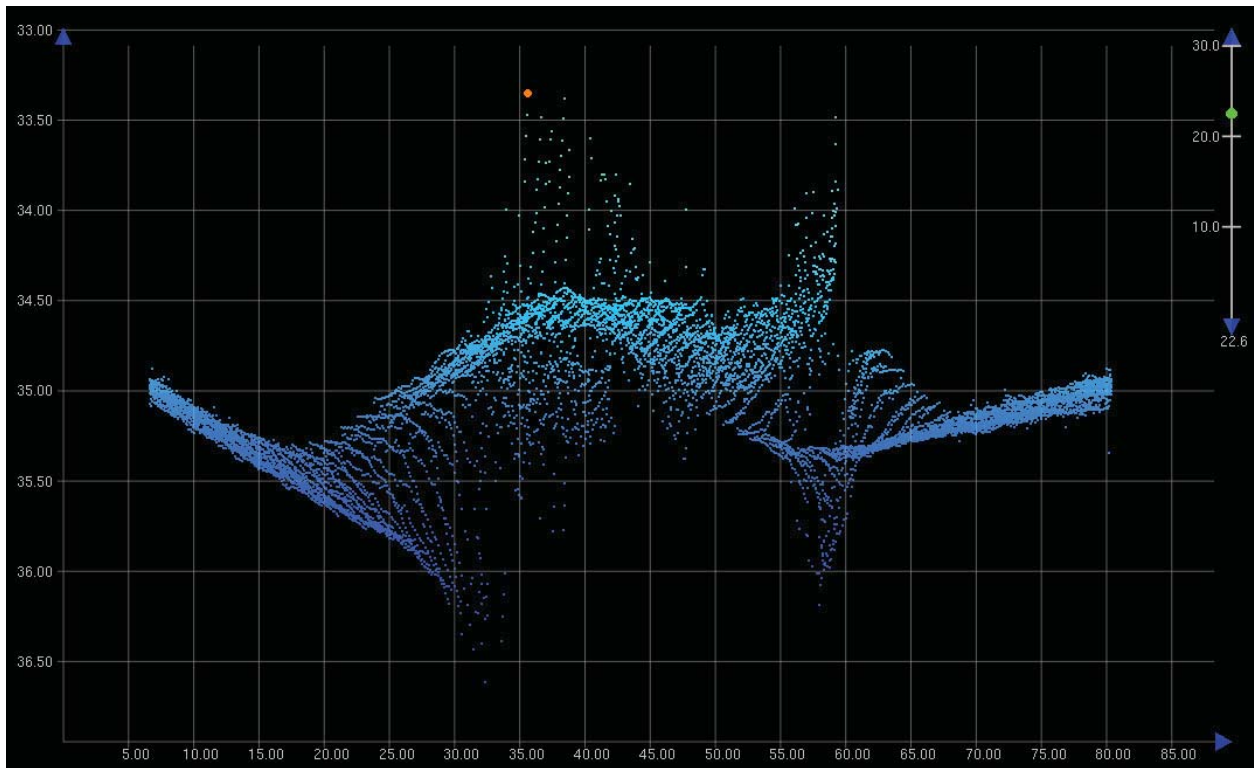


Figure 1.126.1

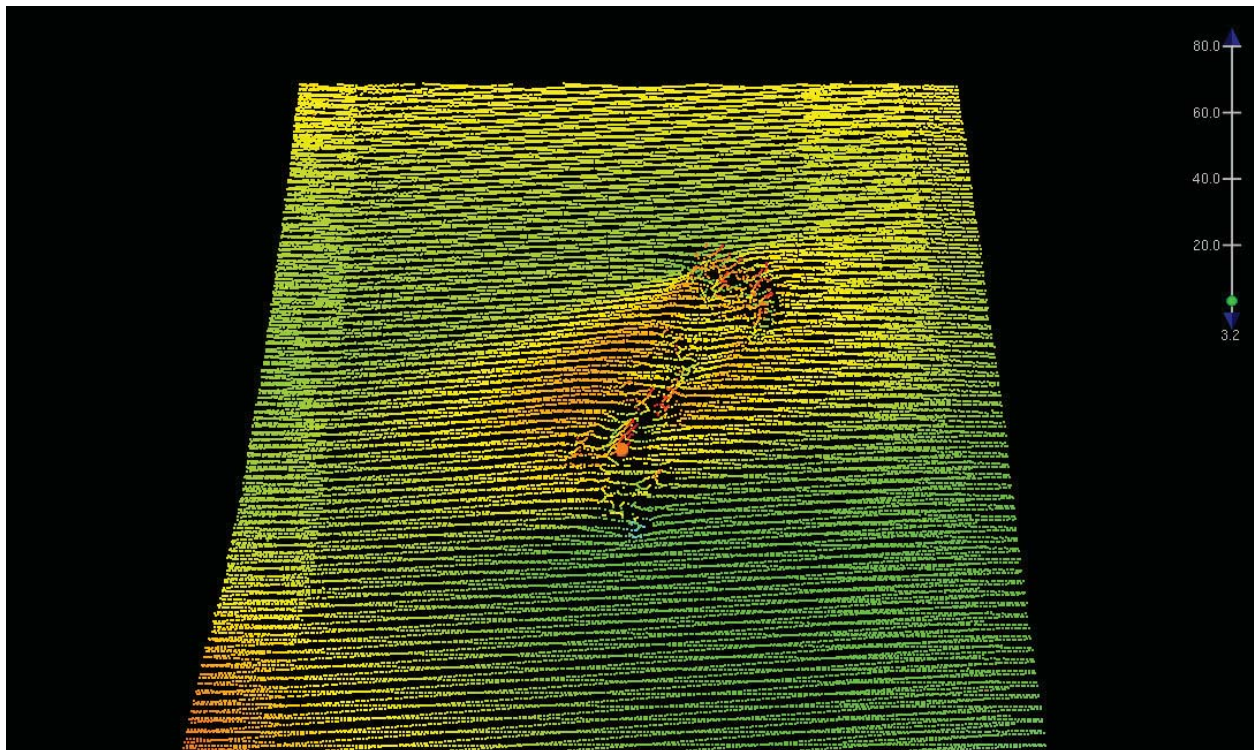


Figure 1.126.2

1.127) AWOIS 12705

Primary Feature for AWOIS Item #12705

Search Position: 40° 59' 35.0" N, 073° 25' 12.5" W
Historical Depth: 47.19 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-35.04N, LONG. 73-25-12.52W. MB LD OF 154.82 FEET (47.19 METERS)

Survey Summary

Survey Position: 40° 59' 34.8" N, 073° 25' 13.0" W
Least Depth: 47.82 m (= 156.90 ft = 26.150 fm = 26 fm 0.90 ft)
TPU (±1.96σ): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072600 00001(022600011B980001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12705 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072600 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12705	13.81	241.1	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

157ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

26fm (12300_1, 13006_1, 13003_1)

48m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 47.823 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12705 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

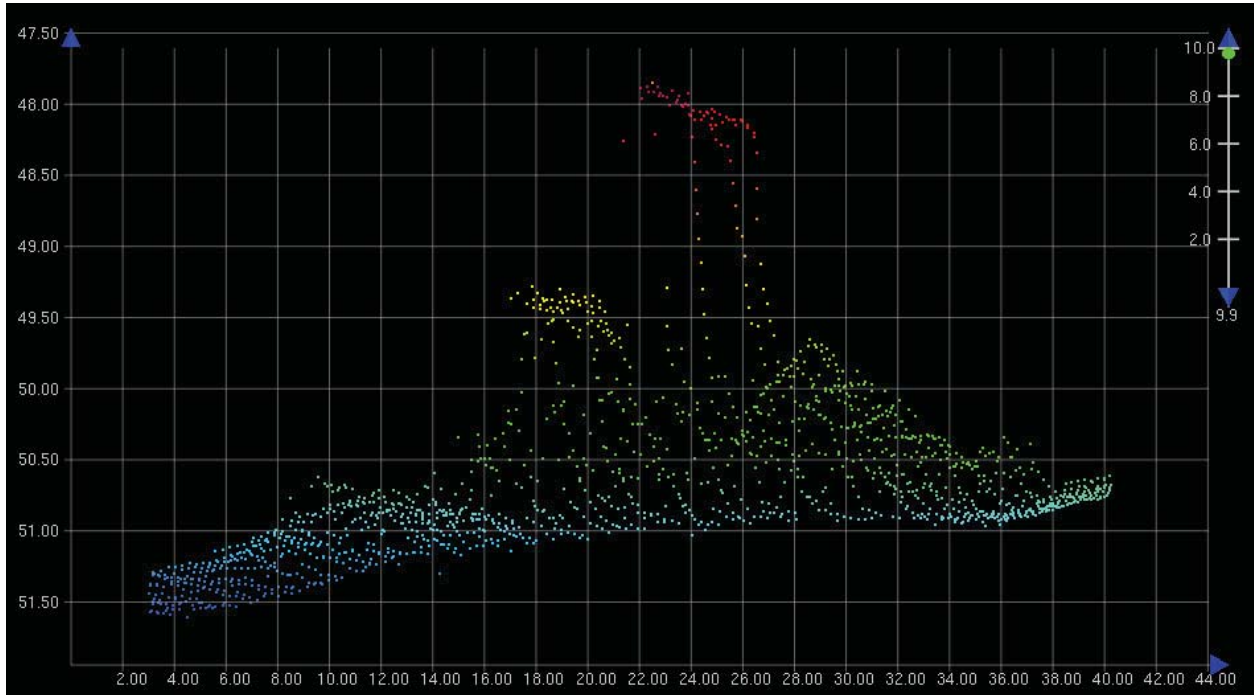


Figure 1.127.1

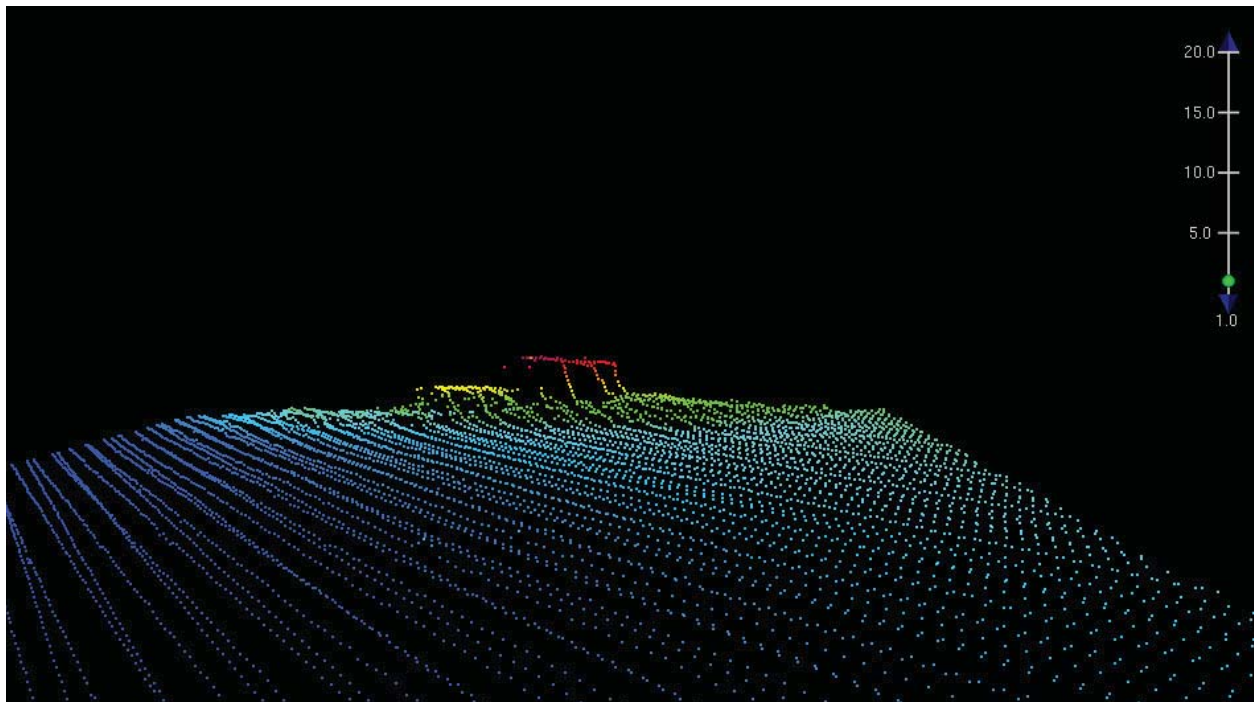


Figure 1.127.2

1.128) AWOIS 12661**Primary Feature for AWOIS Item #12661**

Search Position: 40° 59' 35.0" N, 073° 25' 53.4" W
Historical Depth: 40.84 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-34.67N, LONG. 73-25-54.84W. MB LD OF 135 FEET (41.19 METERS). (ENT 11/10/04, SJV)

S00002/02--S-B600-RU-- Update Gps and change depth from 135 to 134ft; Chart 134ft Wk in Lat. 40°59'35.02", Long. 73°25'53.36" (RES 9/21/07).

Survey Summary

Survey Position: 40° 59' 34.8" N, 073° 25' 53.8" W
Least Depth: 41.09 m (= 134.82 ft = 22.470 fm = 22 fm 2.82 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072624 00001(022600011BB00001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12661 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072624 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12661	12.24	244.3	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, update charted wreck.

Cartographically-Rounded Depth (Affected Charts):

135ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

22fm (12300_1, 13006_1, 13003_1)

41m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 41.093 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.
Update chart VALSOU.

COMPILE: Delete charted 134ft wreck. Chart AWOIS 12661, a 134.8ft wreck, at survey position.

Feature Images

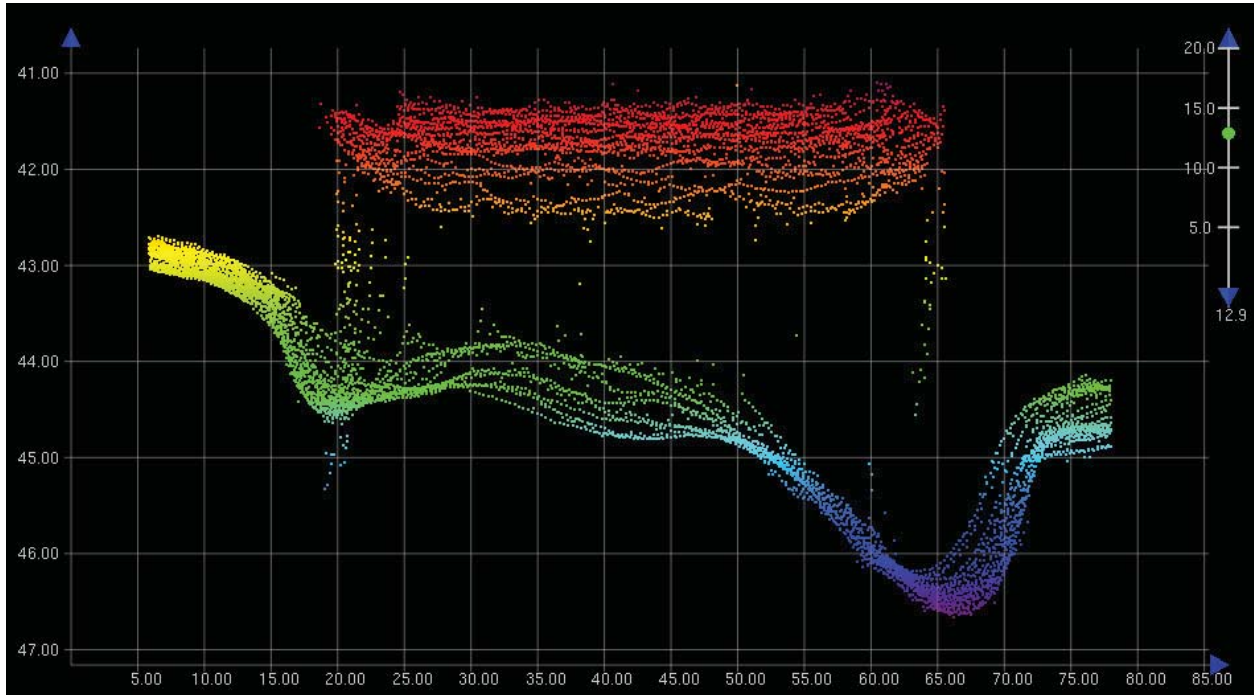


Figure 1.128.1

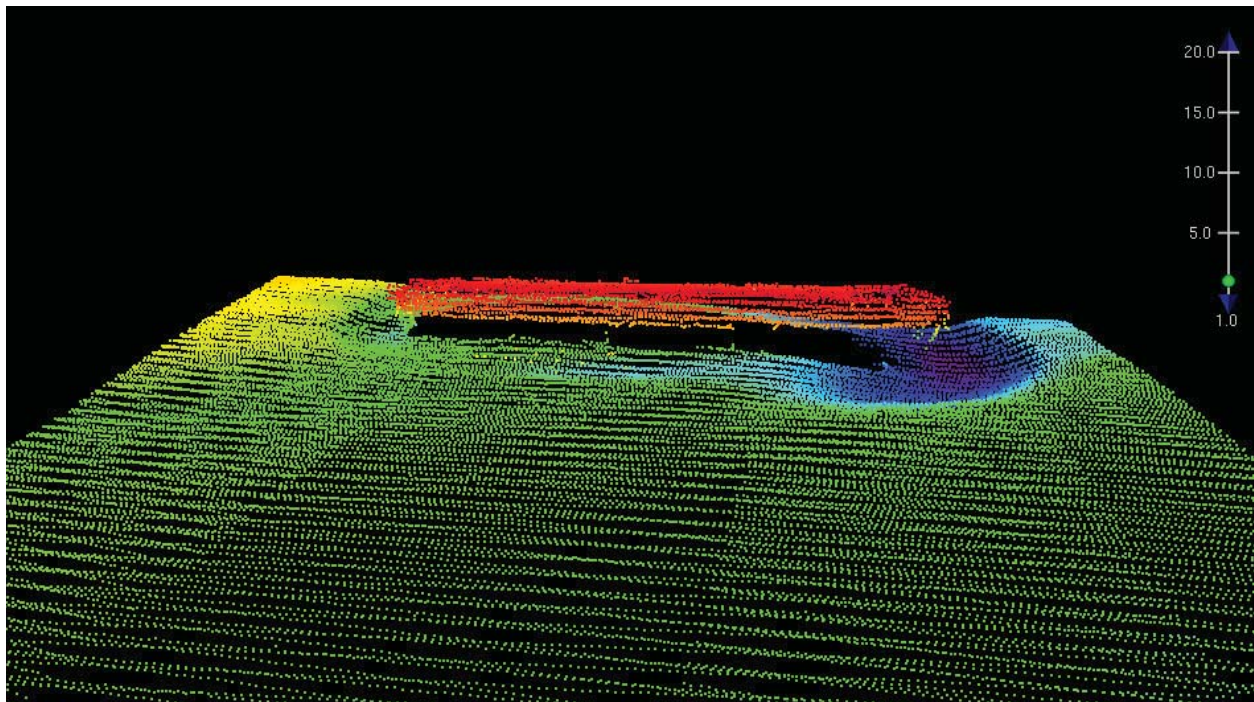


Figure 1.128.2

1.129) AWOIS 11368**Survey Summary**

Survey Position: 40° 59' 37.3" N, 073° 26' 04.2" W
Least Depth: 35.21 m (= 115.52 ft = 19.254 fm = 19 fm 1.52 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072581 00001(022600011B850001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11368 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072581 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update AWOIS DB, Update charted wreck.

Cartographically-Rounded Depth (Affected Charts):

115ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

19fm (12300_1, 13006_1, 13003_1)

35m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wrecks
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 35.212 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS item 11368 is duplicated by AWOIS item 12716. It is recommended that Item 12716 is deleted from the AWOIS database. This wreck is located within a group of wrecks. It is recommended AWOIS 11368, a 115.52 ft non-dangerous wreck, is charted in the present survey position as 115 foot wrecks.

Feature Images

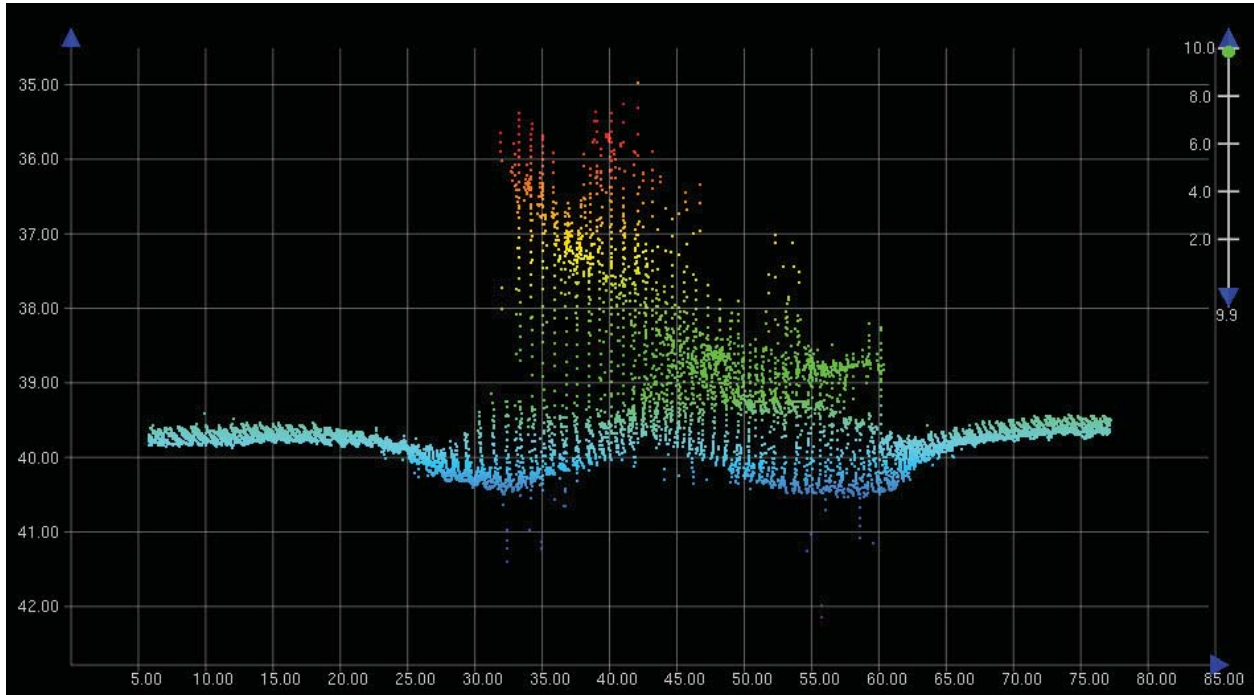


Figure 1.129.1

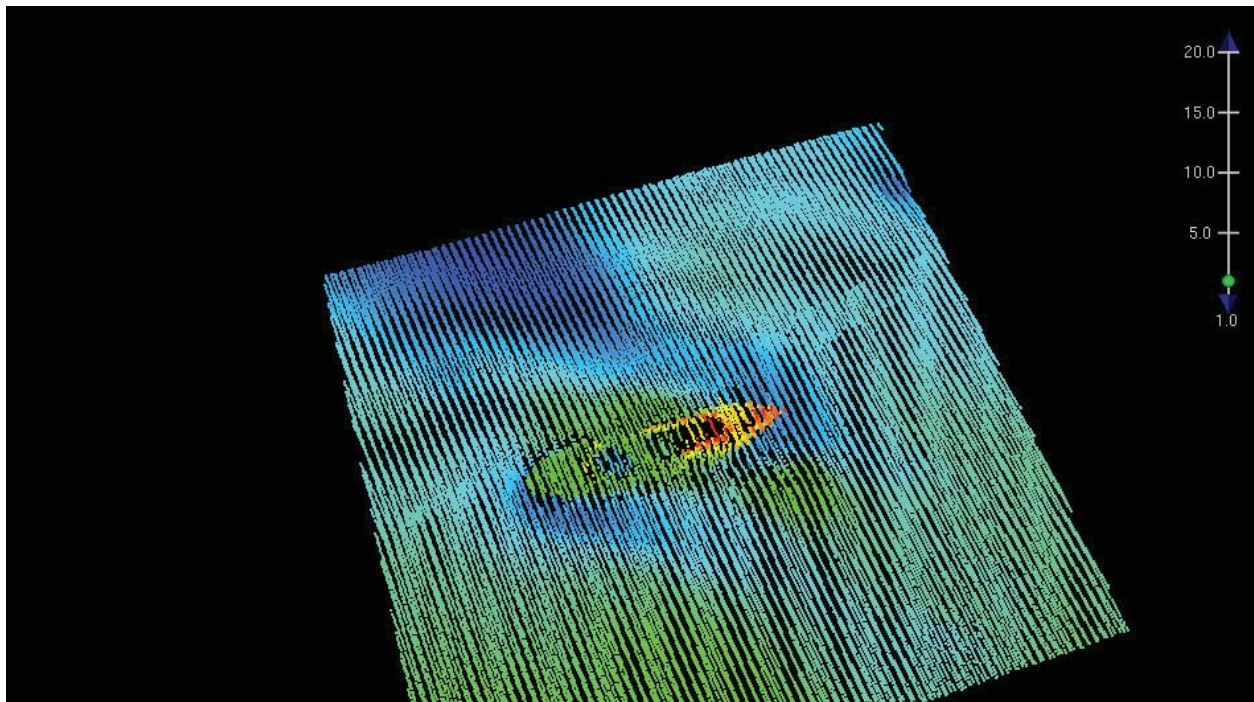


Figure 1.129.2

1.130) AWOIS 12716

Primary Feature for AWOIS Item #11368

Search Position: 40° 59' 37.1" N, 073° 26' 04.1" W
Historical Depth: 35.36 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.62159N, LONG 73-26.06869W (NAD 83) WITH A LEAST DEPTH OF 36.28 (118.9 FEET) METERS. CHARTED AS 118 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB development of SSS contact of a motor boat wreck. Delete 118ft Wk in Lat. 40°59'37.30", Long. 73°26'04.12", Chart 116ft Wk in Lat. 40°59'37.11", Long. 73°26'04.12" (RES 8/08/07).

Survey Summary

Survey Position: 40° 59' 37.4" N, 073° 26' 04.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072874 00001(022600011CAA0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 11368 and 12716 are identical contacts.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12716	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072874 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
NTXTDS - ENC US5CN11M,ED24,Update 3
SORDAT - 20120927
SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS database. Charting discrepancy exists for this feature. Surveyed wreck with LD of 114ft is positioned at this location.

COMPILE: AWOIS 12716 is duplicate of 11368. Delete duplicate AWOIS database entry 12716.

1.131) AWOIS 12699**Primary Feature for AWOIS Item #12699**

Search Position: 40° 59' 37.7" N, 073° 24' 49.2" W
Historical Depth: 41.37 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-37.74N, LONG. 73-24-58.28W. MB LD OF 135.73 FEET (41.37 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 40° 59' 37.7" N, 073° 24' 49.0" W
Least Depth: 41.40 m (= 135.82 ft = 22.636 fm = 22 fm 3.82 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072723 00001(022600011C130001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12699 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

WRECKS/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072723 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12699	3.73	098.1	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

136ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

22fm (12300_1, 13006_1, 13003_1)

41m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 41.397 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12699 is uncharted and within charted caution area. No charting action. Update

AWOIS database with present survey findings.

Feature Images

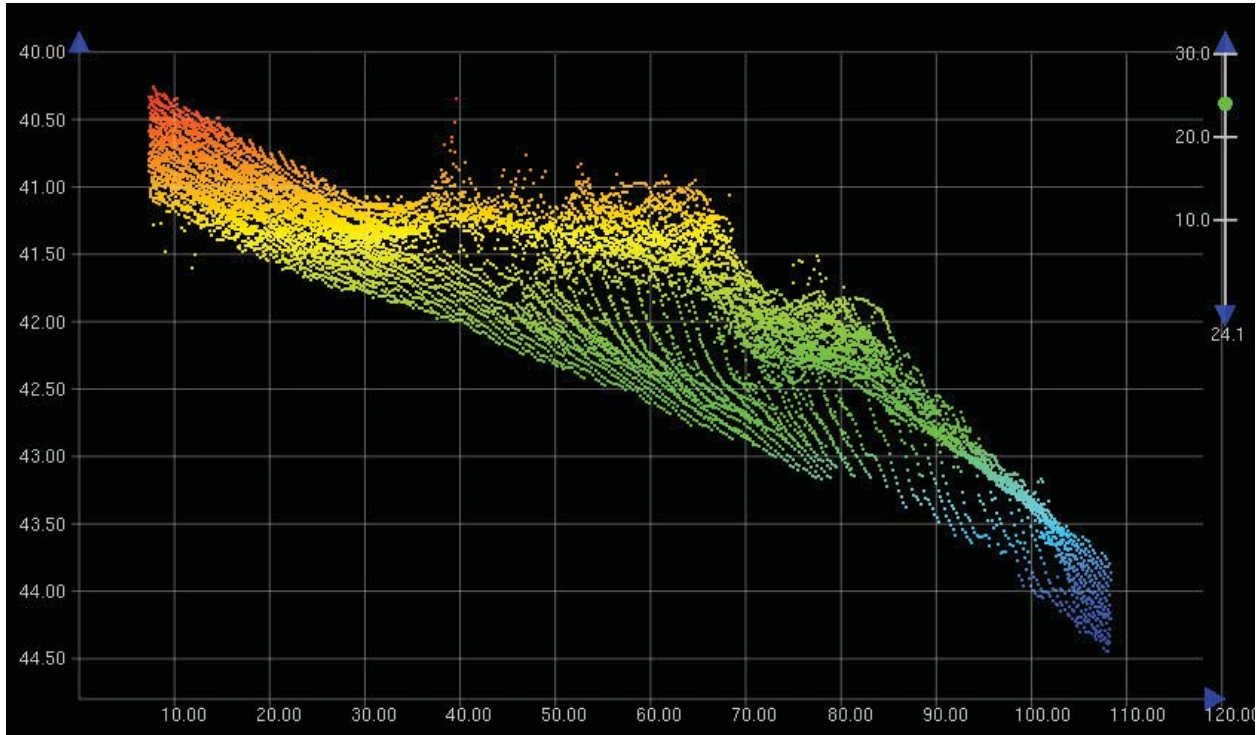


Figure 1.131.1

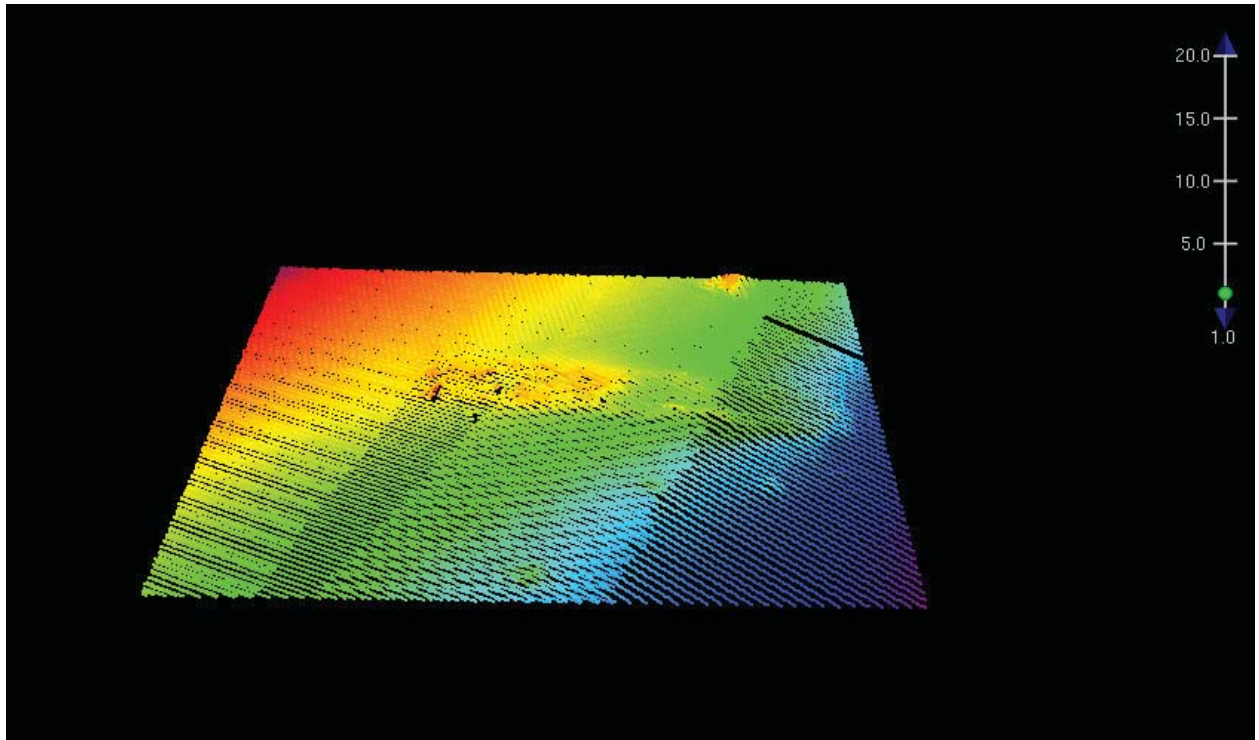


Figure 1.131.2

1.132) AWOIS 12704**Primary Feature for AWOIS Item #12704**

Search Position: 40° 59' 39.2" N, 073° 24' 57.9" W
Historical Depth: 43.15 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-39.16N, LONG. 73-24-57.91W. MB LD OF 141.57 FEET (43.15 METERS). (ENT 11/15/04, SJV)

Survey Summary

Survey Position: 40° 59' 39.2" N, 073° 24' 57.8" W
Least Depth: 43.09 m (= 141.35 ft = 23.559 fm = 23 fm 3.35 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072886 00001(022600011CB60001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Remains of AWOIS item 12704 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072886 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12704	3.47	061.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

141ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

23fm (12300_1, 13006_1, 13003_1)

43m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 43.085 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Feature appears to be silted in; the feature doesn't have much definition and appears similar to benthic mound.

COMPILE: AWOIS 12704 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

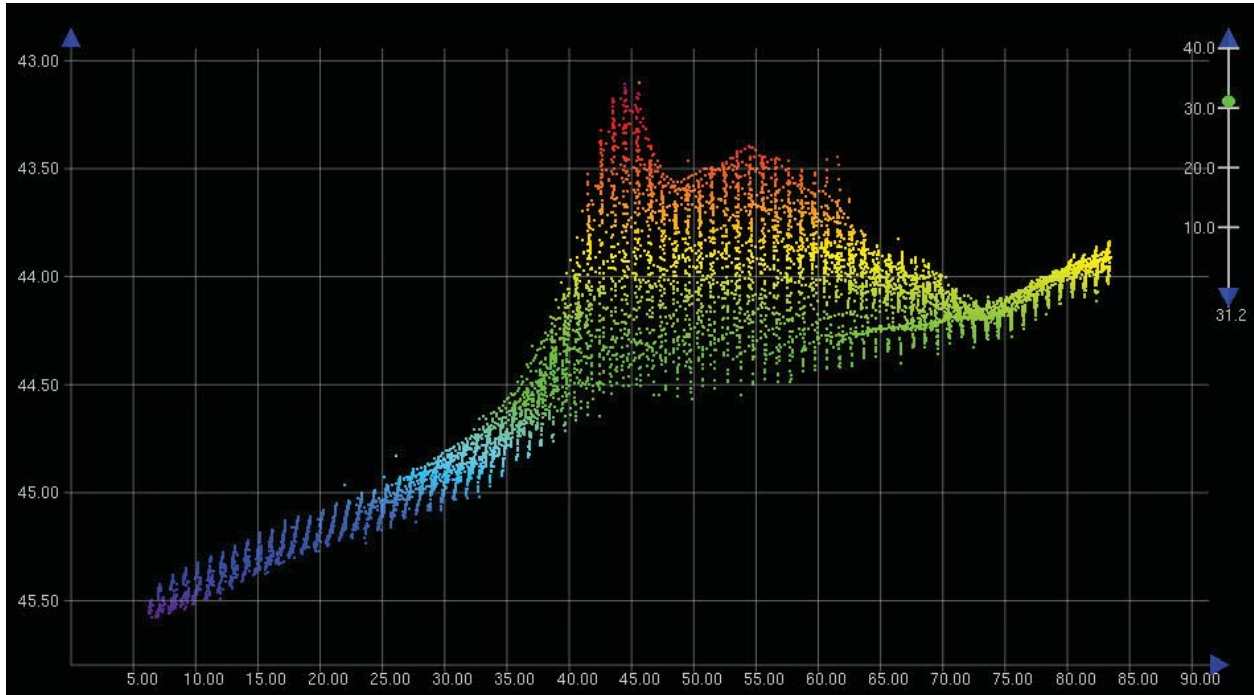


Figure 1.132.1

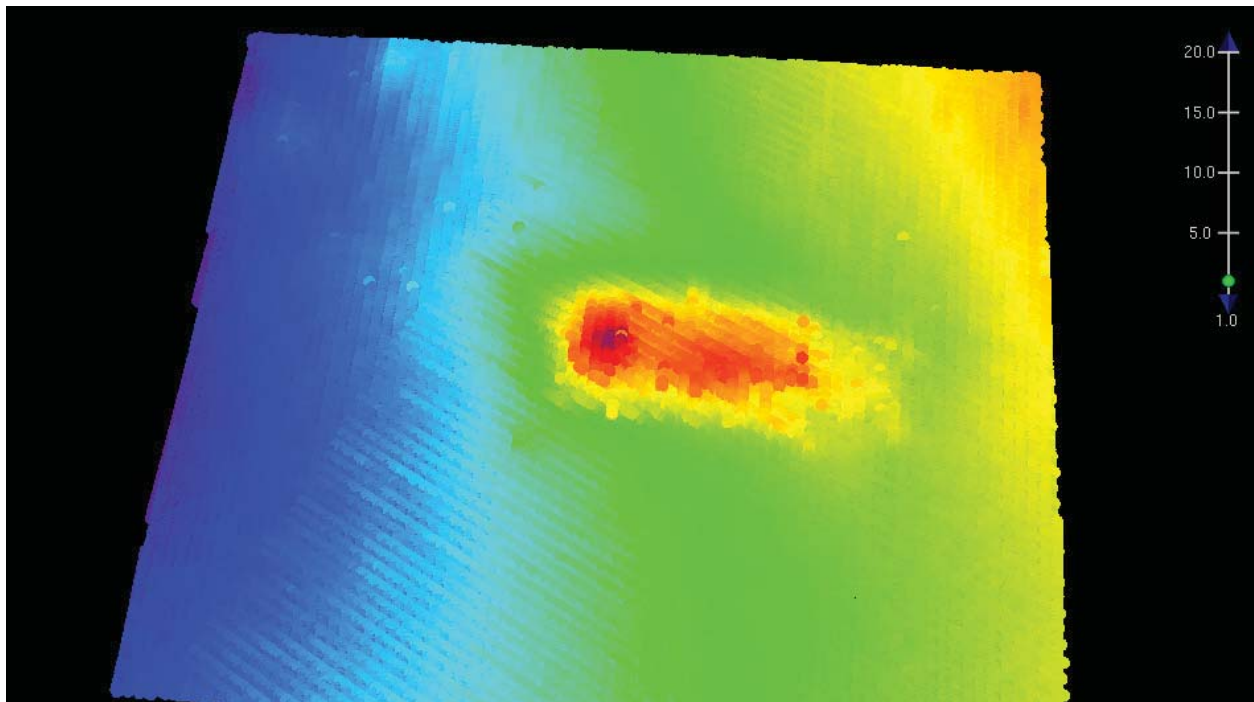


Figure 1.132.2

1.133) AWOIS 11373

Primary Feature for AWOIS Item #11373

Search Position: 40° 59' 39.3" N, 073° 25' 46.1" W
Historical Depth: 40.23 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.65811N, LONG 73-25.76753W (NAD 83) WITH A LEAST DEPTH OF 40.49 METERS (132.8 FEET). CHARTED AS 131 (SIC) WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--Sunken Barge; Delete 131ft Wk in Lat. 40°59'39.49", Long. 73°25'46.05", Chart 132ft Wk in Lat. 40°59'39.32", Long. 73°25'46.14" (RES 8/09/07).

Survey Summary

Survey Position: 40° 59' 39.2" N, 073° 25' 46.4" W
Least Depth: 39.17 m (= 128.50 ft = 21.416 fm = 21 fm 2.50 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072577 00001(022600011B810001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11373 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072577 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11373	7.42	245.4	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, update charted depth.

Cartographically-Rounded Depth (Affected Charts):

128ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

21fm (12300_1, 13006_1, 13003_1)

39m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 39.166 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.
Update chart VALSOU.

COMPILE: AWOIS item 11373 is duplicated by AWOIS item 12682. It is recommended that Item 12682 is deleted from the AWOIS database. It is further recommended the charted 132ft wreck is deleted from the chart and the chart is updated with a 128.5ft wreck at survey position.

Feature Images

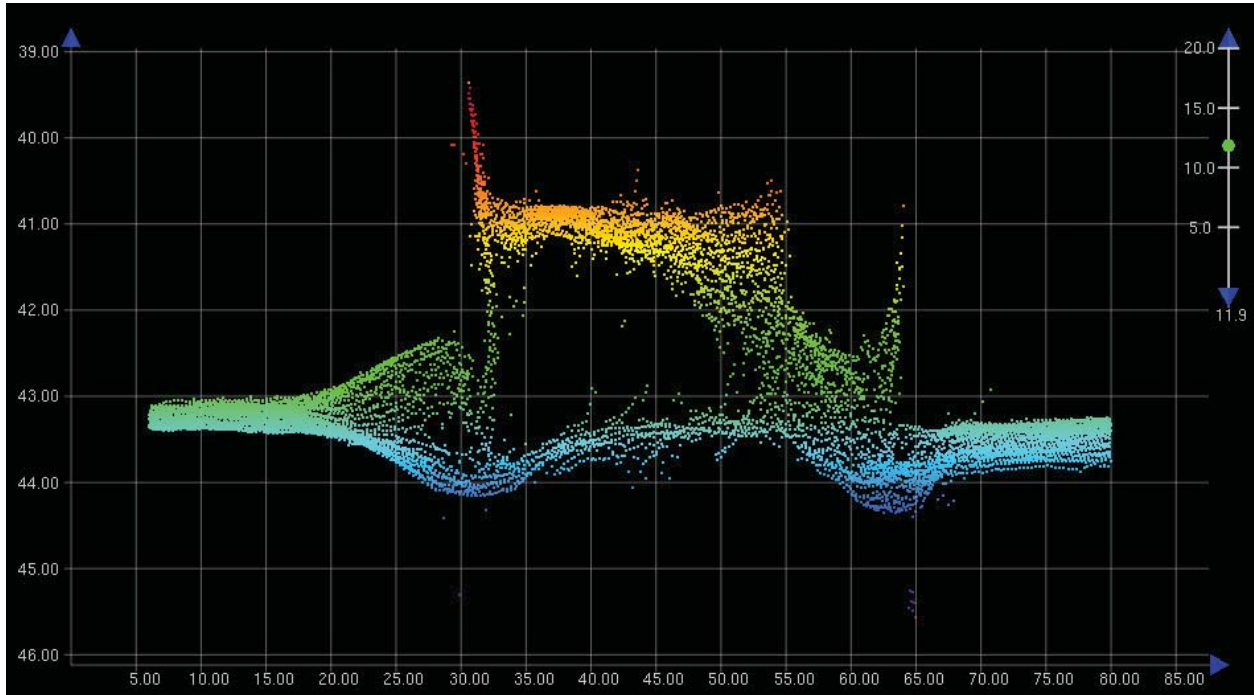


Figure 1.133.1

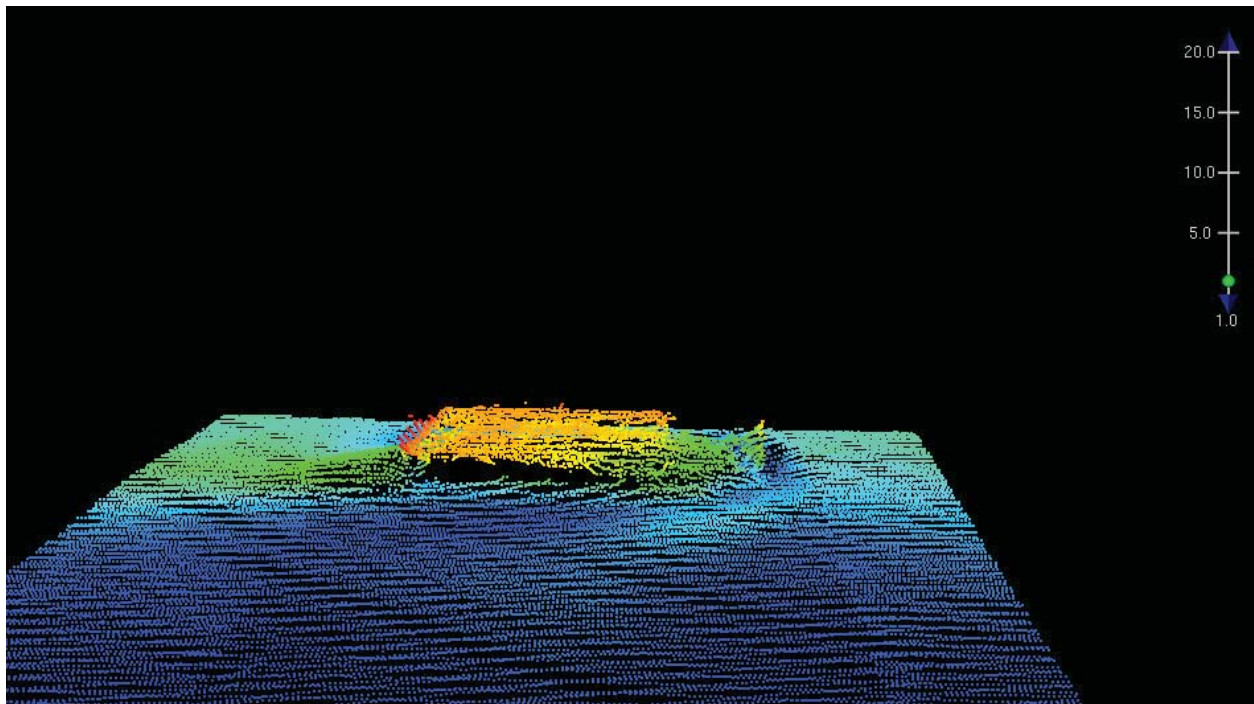


Figure 1.133.2

1.134) AWOIS 11834

Primary Feature for AWOIS Item #11834

Search Position: 40° 59' 38.6" N, 073° 25' 08.2" W
Historical Depth: 33.83 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-38.58N, LONG. 73-25-08.19W. MULTIBEAM LD OF 34.04 METERS (111.7 FEET). EVALUATOR RECOMMENDS CHARTING A 111WK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 59' 38.54" N, 073° 25' 08.15" W
Least Depth: 32.85 m (= 107.78 ft = 17.964 fm = 17 fm 5.78 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072579 00001(022600011B830001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11834 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072579 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11834	32.46	311.7	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, Update charted depth.

Cartographically-Rounded Depth (Affected Charts):

108ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 32.852 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: Delete charted 111ft wreck. Chart AWOIS 11834, a 107.8ft wreck, at survey position.

Feature Images

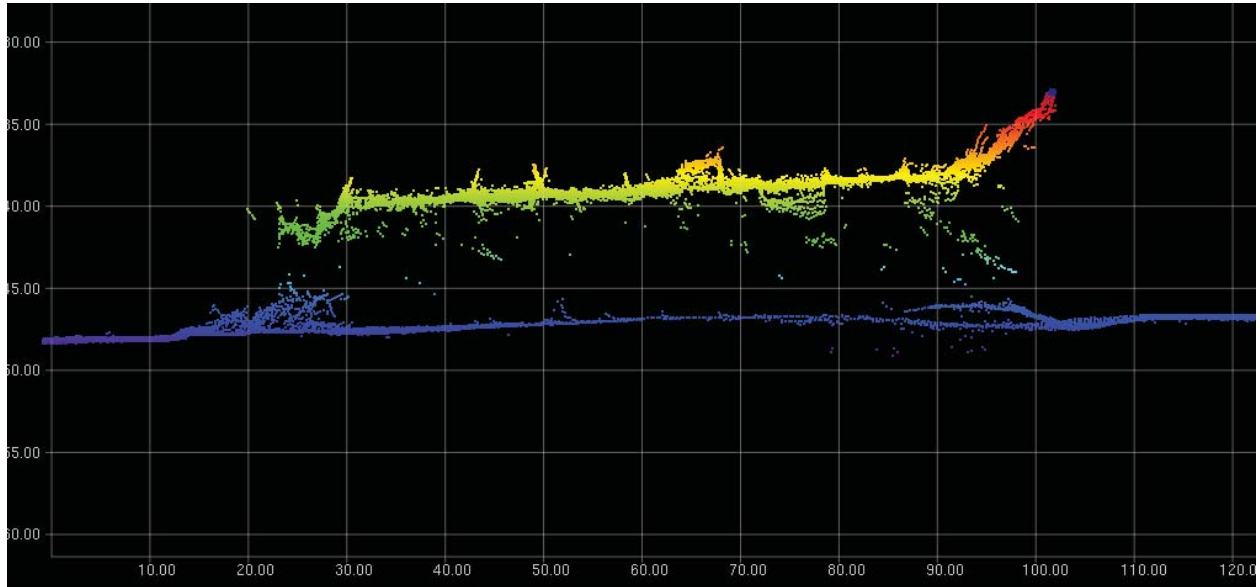


Figure 1.134.1

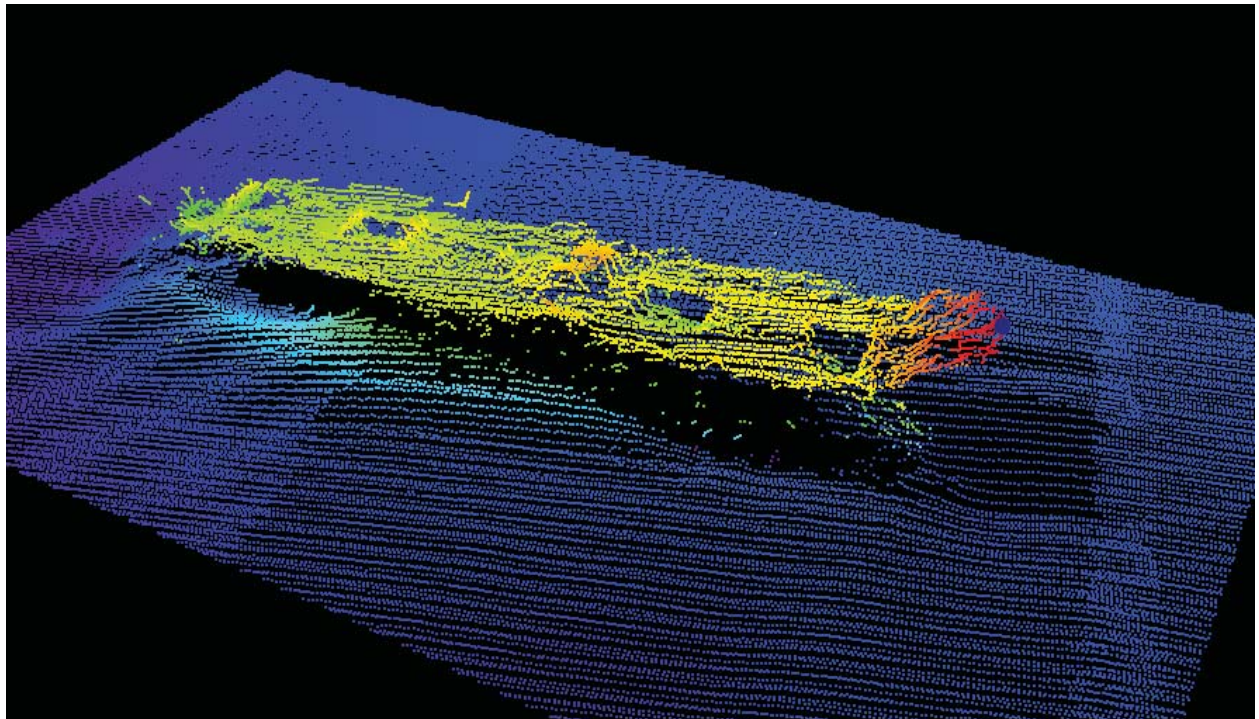


Figure 1.134.2

1.135) AWOIS 12682**Survey Summary**

Survey Position: 40° 59' 39.5" N, 073° 25' 46.0" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072692 00001(022600011BF40001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 12682 and 11373 are the same object.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072692 00001	0.00	000.0	Primary

Hydrographer Recommendations

Remove from DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS database. Chart discrepancy exists. Survey depth 128ft wreck located 10m to the SW.

COMPILE: AWOIS item 12682 is a duplicate of AWOIS item 11373. Delete duplicate AWOIS database entry for item 12682.

1.136) AWOIS 12717**Survey Summary**

Survey Position: 40° 59' 39.7" N, 073° 25' 57.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072872 00001(022600011CA80001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS items 12717 and 7754 are in the same location. AWOIS 7754 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFORMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12717	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072872 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-39.71N, LONG. 73-25-57.34W. MB LD OF 123 FEET (37.47 METERS). (ENT 11/15/04, SJV)

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS database. Chart discrepancy exists. Survey depth 128ft wreck located 10m to the SW.

COMPILE: AWOIS item 12717 is a duplicate of AWOIS item 7754. Delete duplicate AWOIS database entry for item 12717.

1.137) AWOIS 7754

Primary Feature for AWOIS Item #7754

Search Position: 40° 59' 39.8" N, 073° 25' 57.4" W
Historical Depth: 37.19 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN 40-59-39.82N, LONG 73-25-57.28W WITH AN ESTIMATED LEAST DEPTH OF 116 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90)
 H10354/90-- OPR-B285-AHP; OBSTRUCTION LOCATED IN LAT. 40-59-39.79N, LONG. 73-25-57.33W. LD OF 37 METERS (121 FEET). EVALUATOR RECOMMENDS CHARTING AS SURVEYED. (UP 9/8/92, SJV)

S00002/02--S-B600-RU--SWMB development of a sunken barge SSS contact, Chart 122ft Wk in Lat. 40°59'39.84", Long. 73°25'57.37"

Survey Summary

Survey Position: 40° 59' 39.7" N, 073° 25' 57.7" W
Least Depth: 37.68 m (= 123.63 ft = 20.605 fm = 20 fm 3.63 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072623 00001(022600011BAF0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 7754 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072623 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 7754	8.86	248.5	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

123ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

20fm (12300_1, 13006_1, 13003_1)

38m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412
 TECSOU - 3:found by multi-beam
 VALSOU - 37.682 m
 WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS item 7754 is duplicated by AWOIS item 12717. It is recommended that Item 12717 is deleted from the AWOIS database. It is further recommended the charted 122ft wreck is deleted from the chart. It is recommended the current item is not charted.

Feature Images

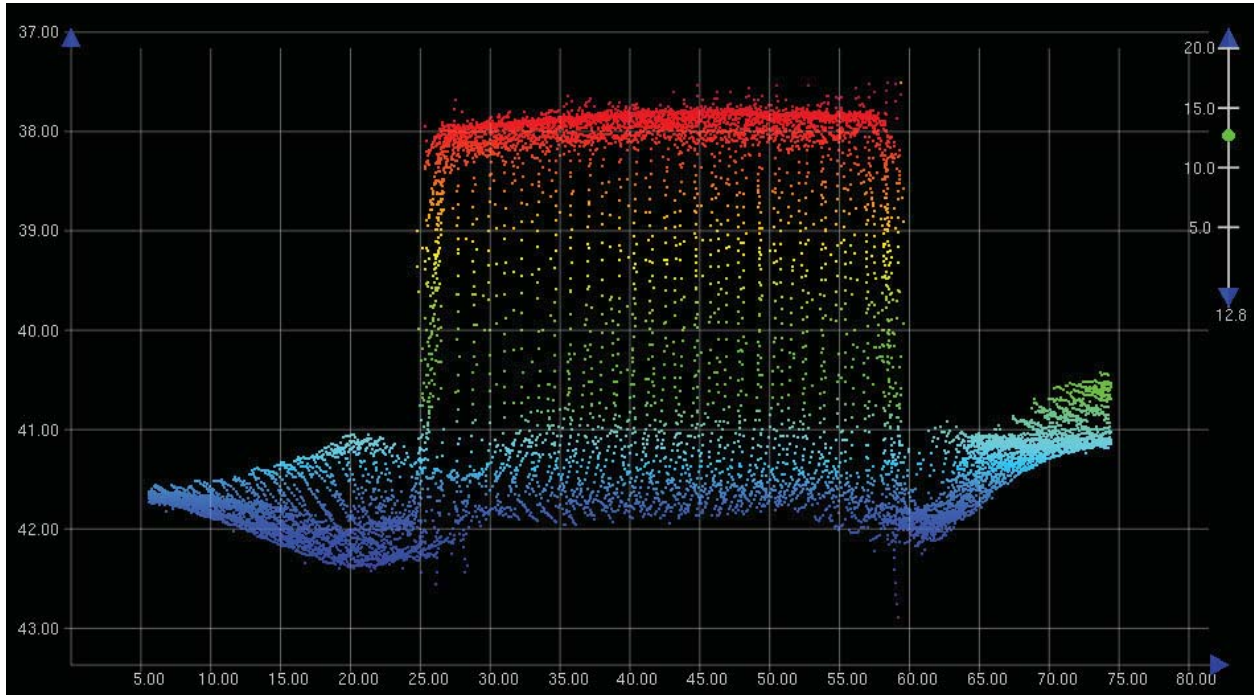


Figure 1.137.1

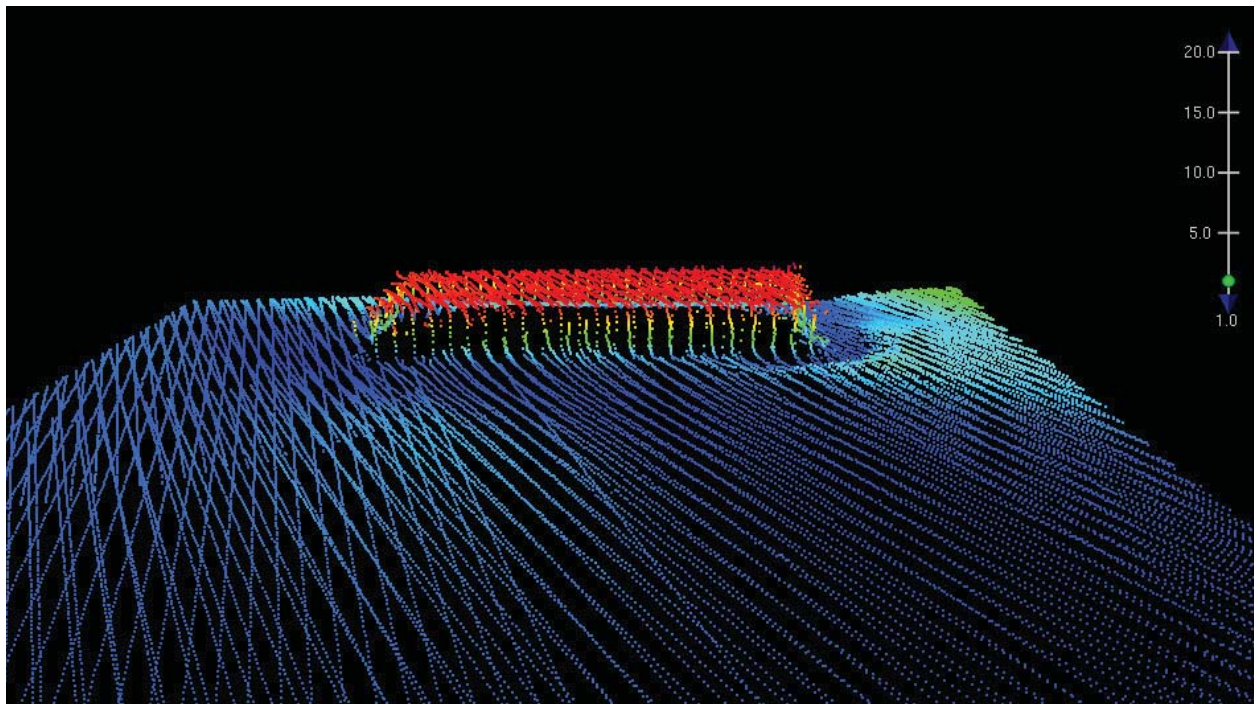


Figure 1.137.2

1.138) AWOIS 11832**Primary Feature for AWOIS Item #11832**

Search Position: 40° 59' 40.3" N, 073° 24' 50.0" W
Historical Depth: 39.93 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-40.31N, LONG. 73-24-50.01W. MULTIBEAM LD OF 40.25 METERS (132 FEET). EVALUATOR RECOMMENDS CHARTING A 131WK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 59' 40.2" N, 073° 24' 49.9" W
Least Depth: 40.93 m (= 134.28 ft = 22.381 fm = 22 fm 2.28 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072582 00001(022600011B860001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Remains of AWOIS item 11832 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072582 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11832	4.88	144.5	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, Update charted depth.

Cartographically-Rounded Depth (Affected Charts):

134ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

22fm (12300_1, 13006_1, 13003_1)

41m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wrecks
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 40.930 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart .

COMPILE: Delete charted 131ft wreck. Chart AWOIS 11832, a 134.28ft wrecks, at survey position.

Feature Images

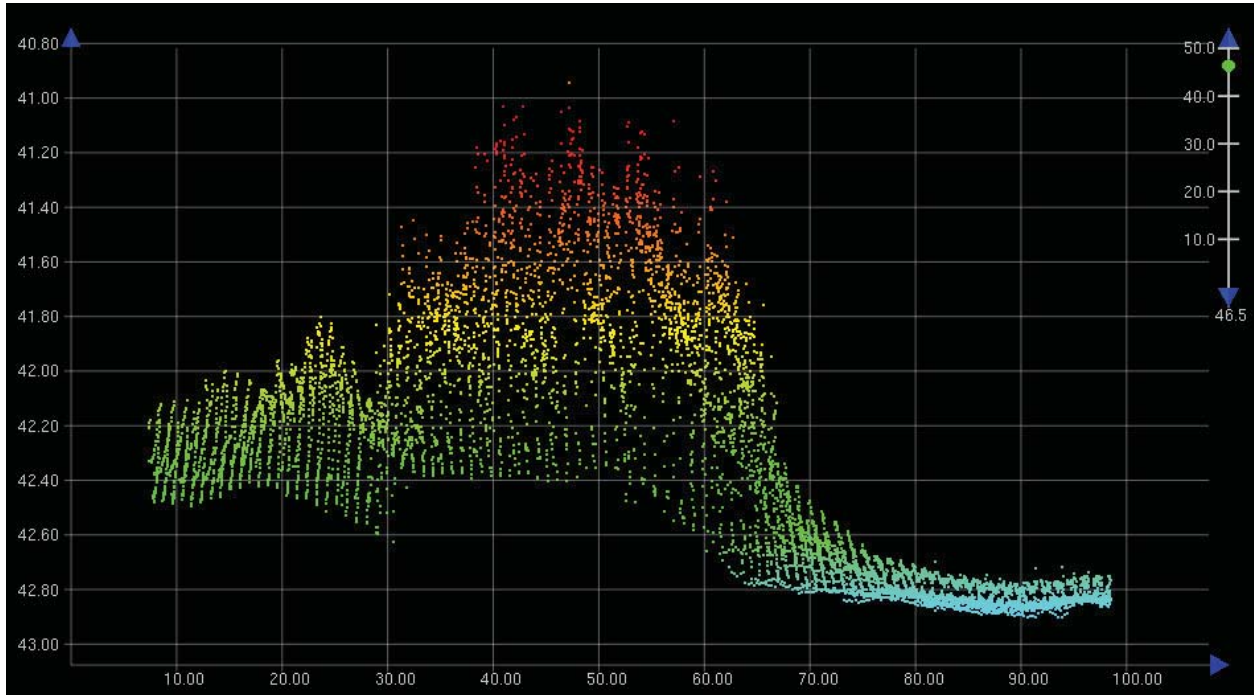


Figure 1.138.1

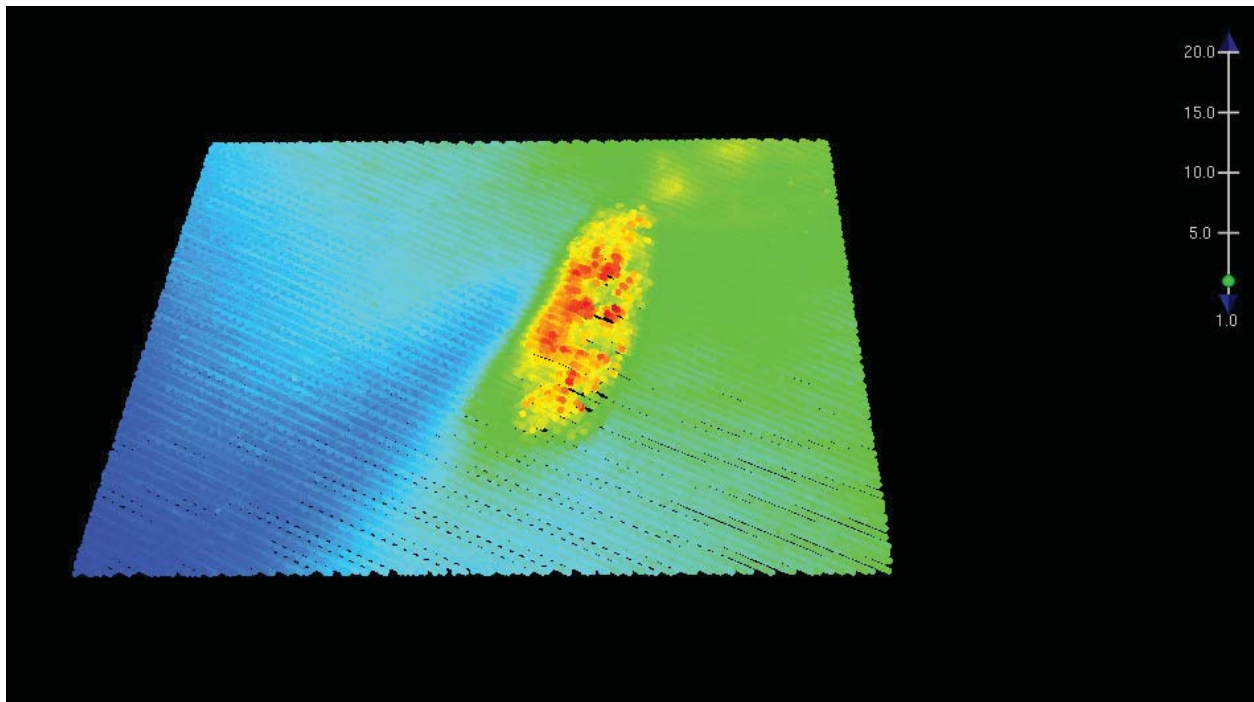


Figure 1.138.2

1.139) AWOIS 11829**Primary Feature for AWOIS Item #11829**

Search Position: 40° 59' 41.1" N, 073° 24' 29.4" W
Historical Depth: 32.00 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-41.13N, LONG. 73-24-29.40W. MULTIBEAM LD OF 104.3 METERS (104.3 FEET). EVALUATOR RECOMMENDS CHARTING A 105WK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 59' 40.8" N, 073° 24' 28.8" W
Least Depth: 32.89 m (= 107.92 ft = 17.986 fm = 17 fm 5.92 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072621 00001(022600011BAD0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11829 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072621 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11829	16.90	120.8	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, update charted depth.

Cartographically-Rounded Depth (Affected Charts):

108ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 32.893 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: Delete charted 105ft wreck. Chart AWOIS 11829, a 107.9ft wreck, at survey position.

Feature Images

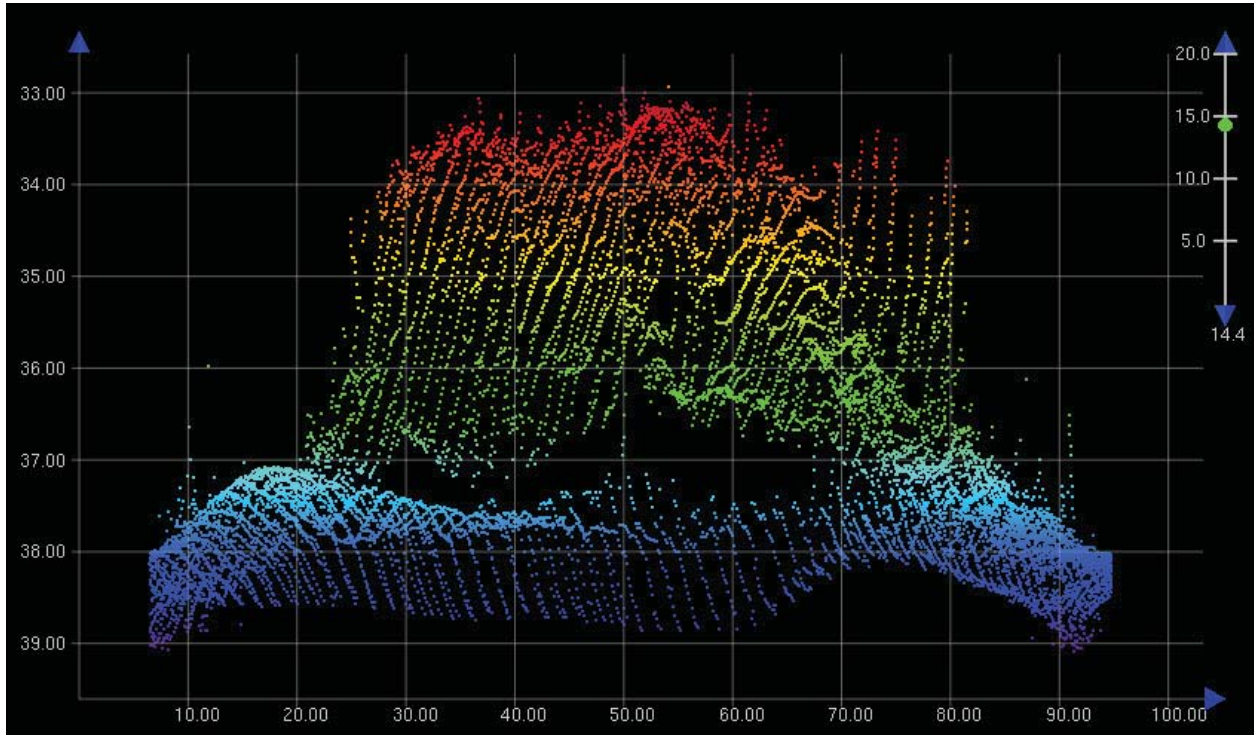


Figure 1.139.1

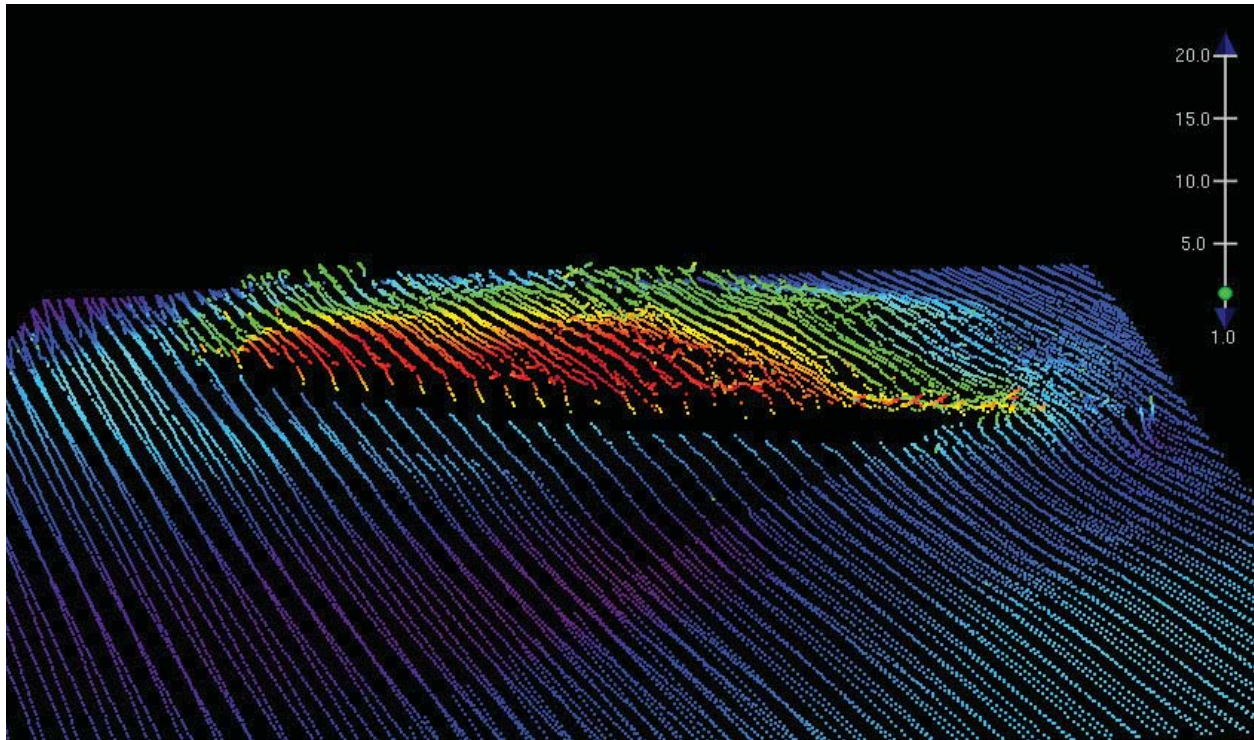


Figure 1.139.2

1.140) AWOIS 14044

Primary Feature for AWOIS Item #14044

Search Position: 40° 59' 41.1" N, 073° 26' 57.8" W
Historical Depth: 32.00 m
Search Radius: 0
Search Technique: SSS, MB
Technique Notes: [None]

History Notes:

S00002/02--S-B600-RU--charted rock that is really a wreck; No bathymetry on this item. Height from SSS is 2.18 m. Not a significant contact at the given water depth. Chart 105ft Wk in Lat. 40°59'41.101", Long. 73°26'57.841" (RES 8/16/07).

Survey Summary

Survey Position: 40° 59' 41.4" N, 073° 26' 57.7" W
Least Depth: 31.68 m (= 103.94 ft = 17.323 fm = 17 fm 1.94 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072578 00001(022600011B820001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Item is actually a wreck. AWOIS history references a survey from 2002 that was never applied to the chart. Item was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072578 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 14044	10.19	016.7	Secondary (grouped)

Hydrographer Recommendations

Change to a charted wreck. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

104ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 31.680 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart exposition and VALSOU. Data interpretation is unable to definitively indicate the feature as a wreck without SS imagery. Data point interpretation leans more to a wreck based upon acoustic shadows and alignment of data points; interpreted to be more wreck like in appearance rather than a rock or rock pinnacle. Defer to AHB compile team.

COMPILE: Delete charted 105ft wreck. Chart AWOIS 14044, a 103.9ft wreck, at survey position.

Feature Images

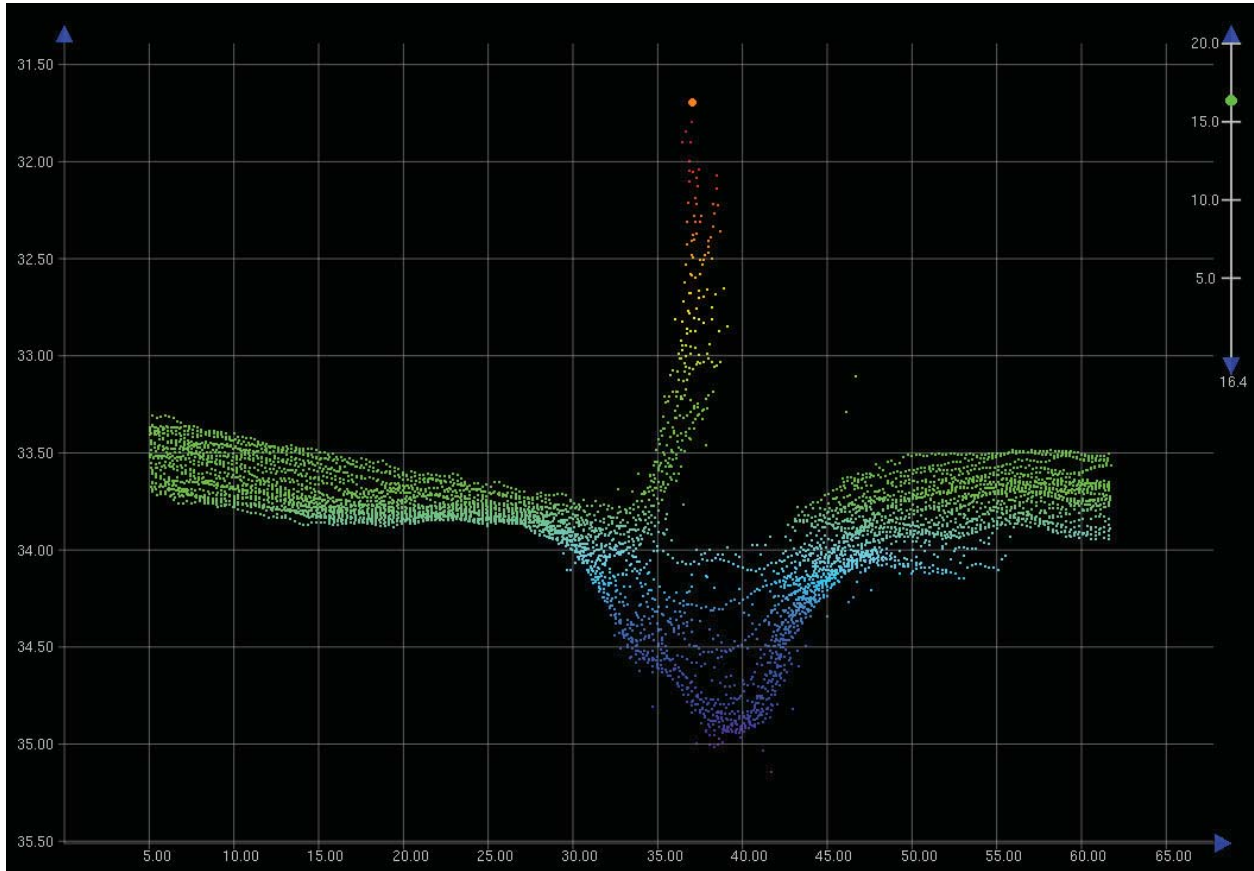


Figure 1.140.1

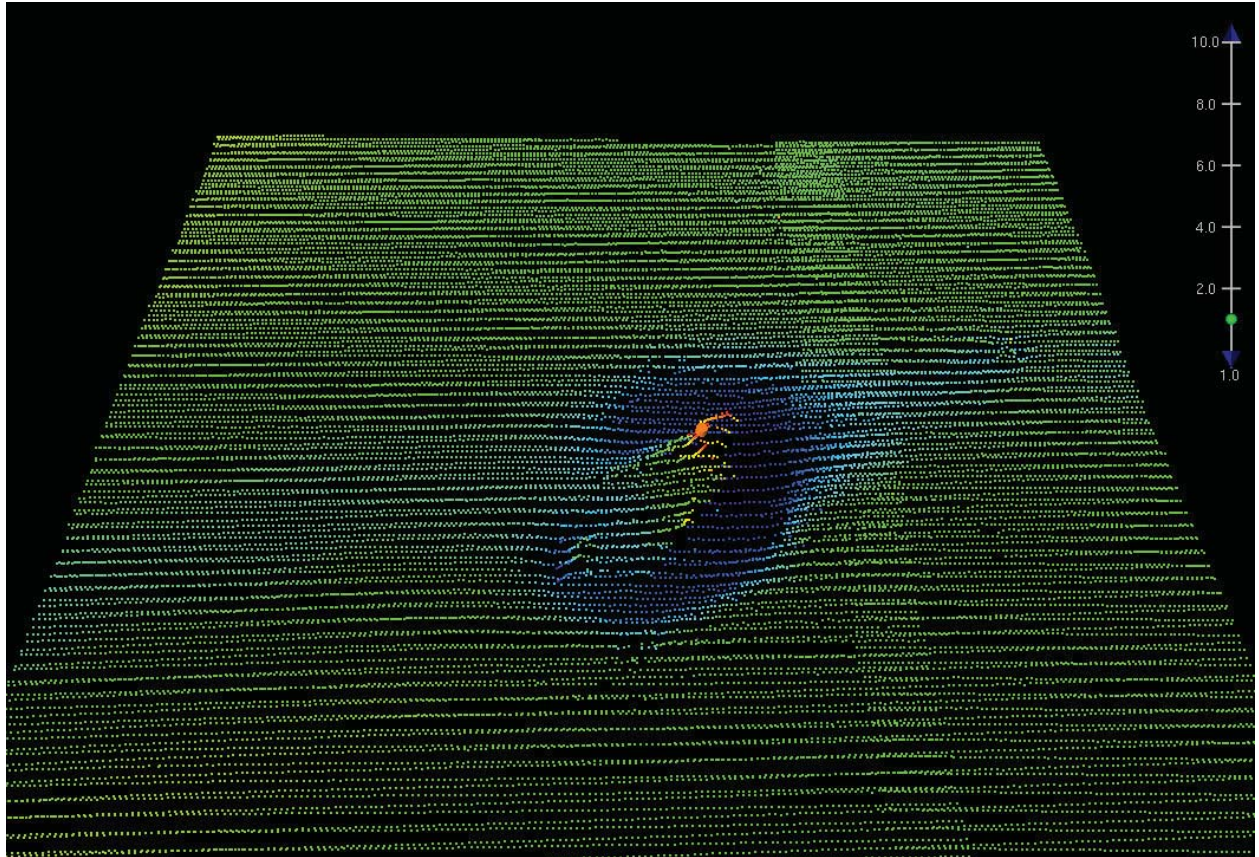


Figure 1.140.2

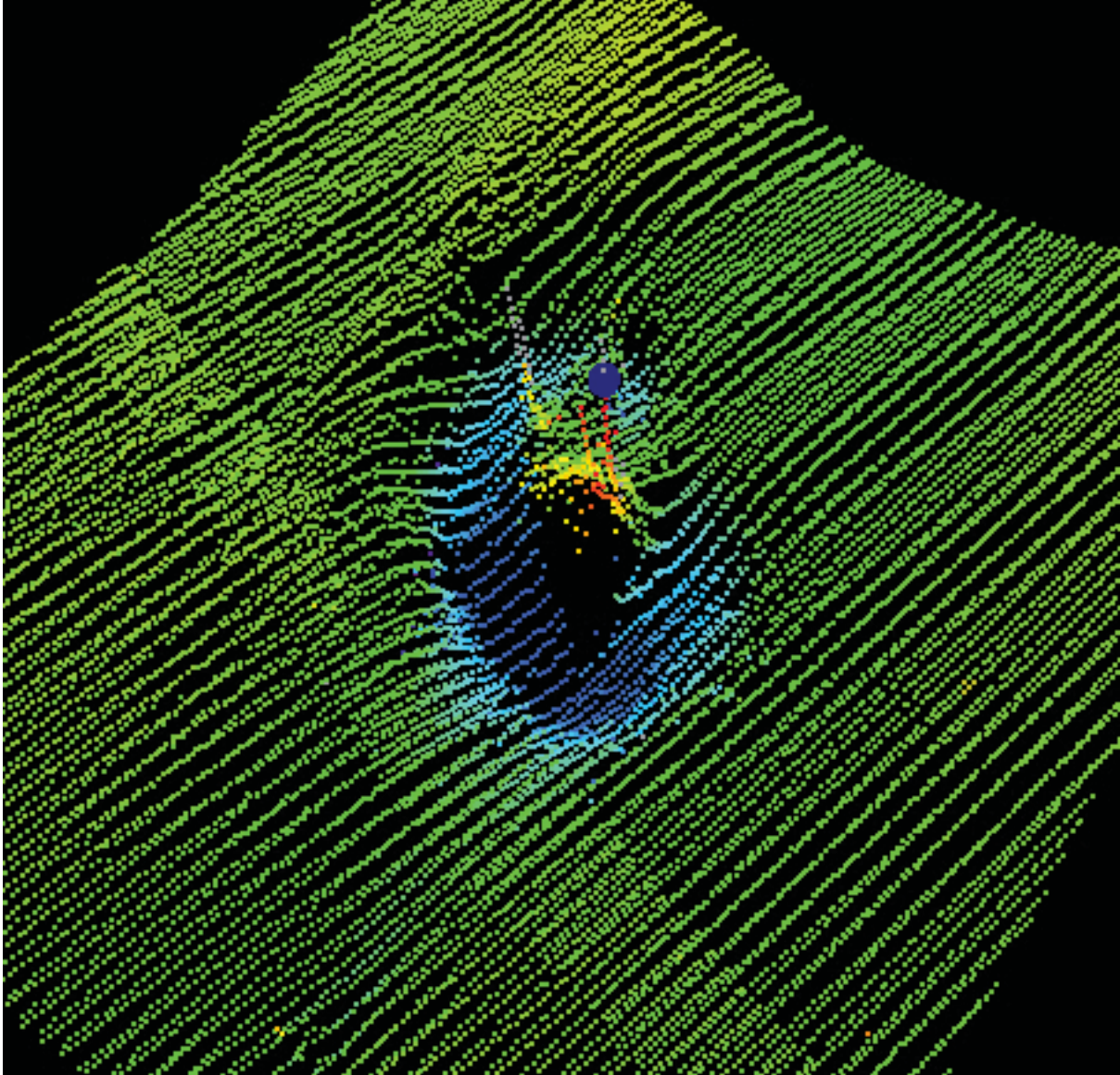


Figure 1.140.3

1.141) AWOIS 12694**Primary Feature for AWOIS Item #12694**

Search Position: 40° 59' 42.3" N, 073° 24' 30.2" W
Historical Depth: 36.58 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-42.34N, LONG. 73-24-30.23W. MB LD OF 120 FEET (36.68 METERS). (ENT 11/12/04, SJV)

Survey Summary

Survey Position: 40° 59' 42.2" N, 073° 24' 30.3" W
Least Depth: 37.87 m (= 124.26 ft = 20.710 fm = 20 fm 4.26 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072618 00001(022600011BAA0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12694 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072618 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12694	4.66	211.3	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

124ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

20fm (12300_1, 13006_1, 13003_1)

38m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No charting action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 37.874 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Another wreck with shoaler depth is located approximately 56m to the SE.

COMPILE: AWOIS 12694 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

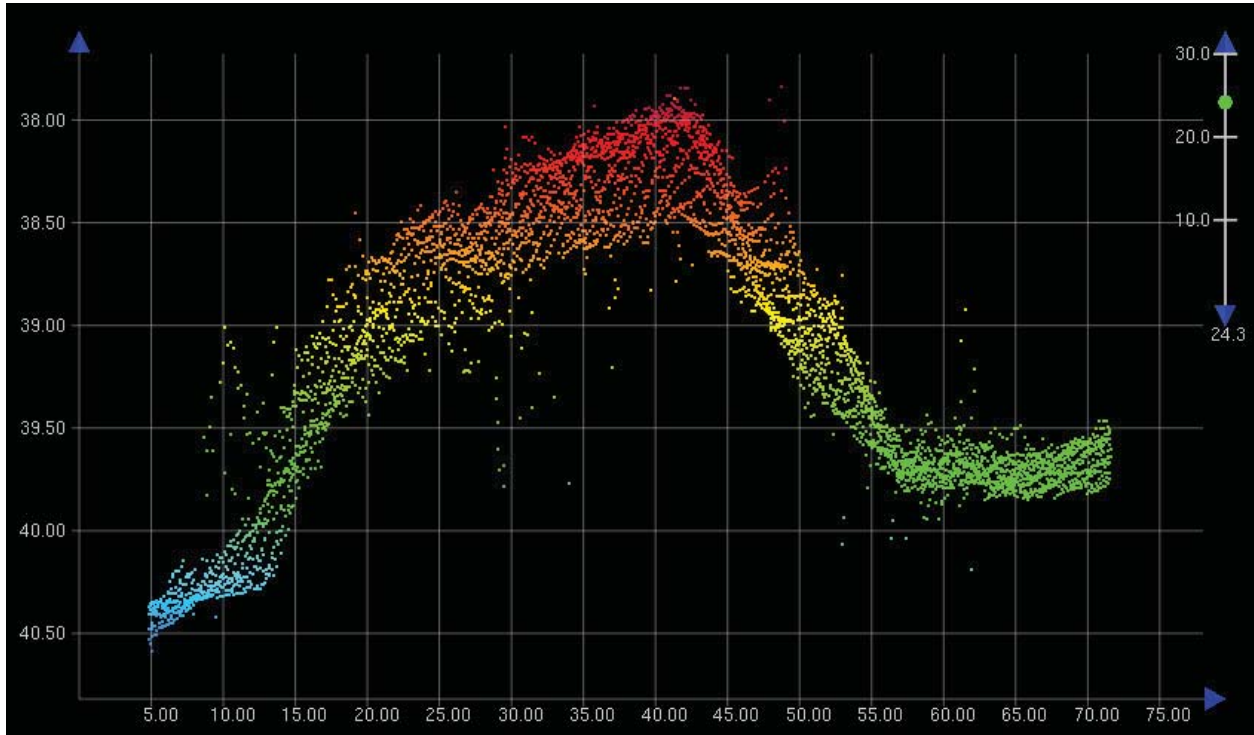


Figure 1.141.1

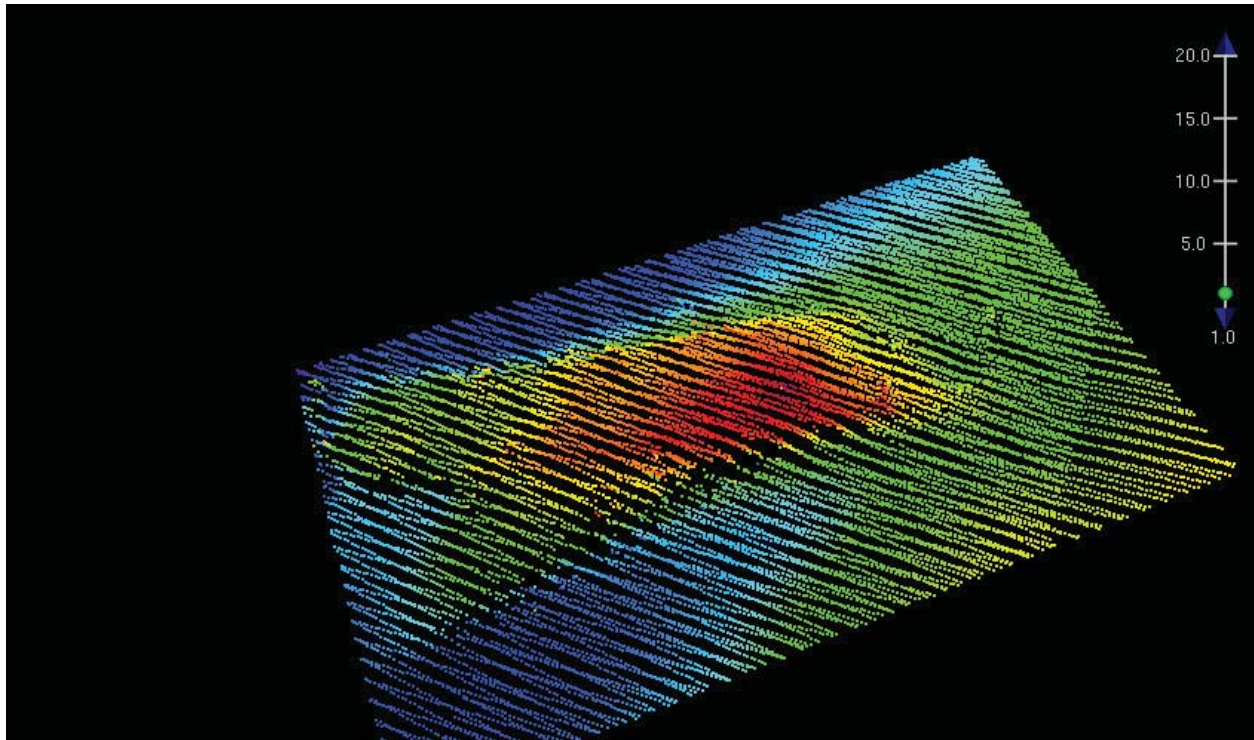


Figure 1.141.2

1.142) AWOIS 12726**Survey Summary**

Survey Position: 40° 59' 42.6" N, 073° 26' 13.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072738 00001(022600011C220001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS items 12726 and 7747 are the same item.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12726	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072738 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No charting action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-42.62N, LONG. 73-26-17.26W. MB LD OF 103 FEET (31.49 METERS). (ENT 11/16/04, SJV)

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS database. 105ft Wreck located 12m to east. Charting discrepancy exists between charts 12365 and 12368.

COMPILE: AWOIS item 12726 is a duplicate of AWOIS item 7747. Delete duplicate AWOIS database entry for item 12726

1.143) AWOIS 7747

Primary Feature for AWOIS Item #7747

Search Position: 40° 59' 42.6" N, 073° 26' 13.0" W
Historical Depth: 31.39 m
Search Radius: 100
Search Technique: S2, SWMB, DI
Technique Notes: [None]

History Notes:

HISTORY

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN LAT 40-59-42.39N, LONG 73-26-13.62W WITH AN ESTIMATED LEAST DEPTH OF 95 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM THE VESSEL'S TRACK. (ENTERED MSM 5/90)
 H10354/90-- OPR-B285-AHP; NOT DISPROVED. BROUGHT FORWARD. EVALUATOR RECOMMENDS CHARTING AS AN ESTIMATED DEPTH. (UP 9/8/92, SJV)

S00002/02--S-B600-RU--SWMB development of Charted 101 ft "sounding on wreck" Wreck is a sunken barge. Delete 101ft Wk in Lat. 40°59'42.39", Long. 73°26'13.62", Chart 103ft Wk in Lat. 40°59'42.62", Long. 73°26'12.96" (RES 8/09/07).

Survey Summary

Survey Position: 40° 59' 42.6" N, 073° 26' 12.8" W
Least Depth: 31.93 m (= 104.76 ft = 17.460 fm = 17 fm 2.76 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072866 00001(022600011CA20001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 7747 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072866 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 7747	3.46	086.7	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, Update charted depth.

Cartographically-Rounded Depth (Affected Charts):

105ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wrecks
 QUASOU - 6:least depth known
 SORDAT - 20120927
 SORIND - US,US,graph,H12412
 TECSOU - 3:found by multi-beam
 VALSOU - 31.930 m
 WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: AWOIS item 7747 is duplicated by AWOIS item 12726. It is recommended that Item 12726 is deleted from the AWOIS database. It is further recommended the charted 103ft wreck is deleted from the chart and the chart is updated with a 104.76ft wrecks, at survey position.

Feature Images

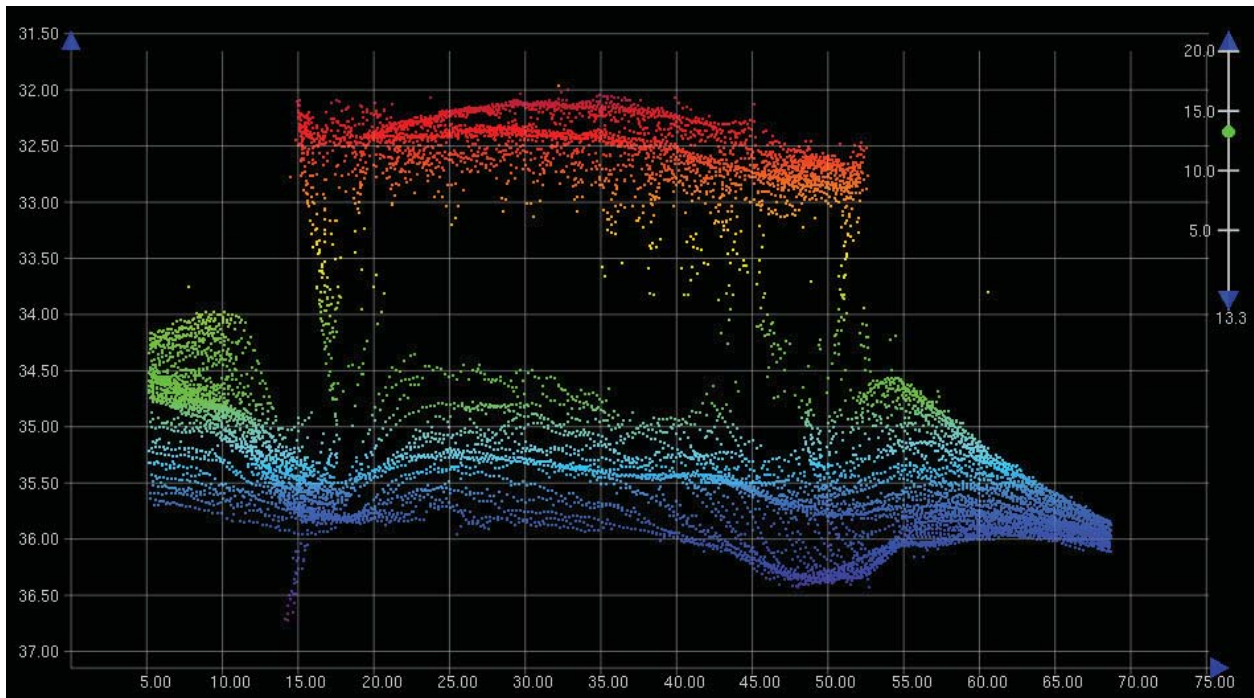


Figure 1.143.1

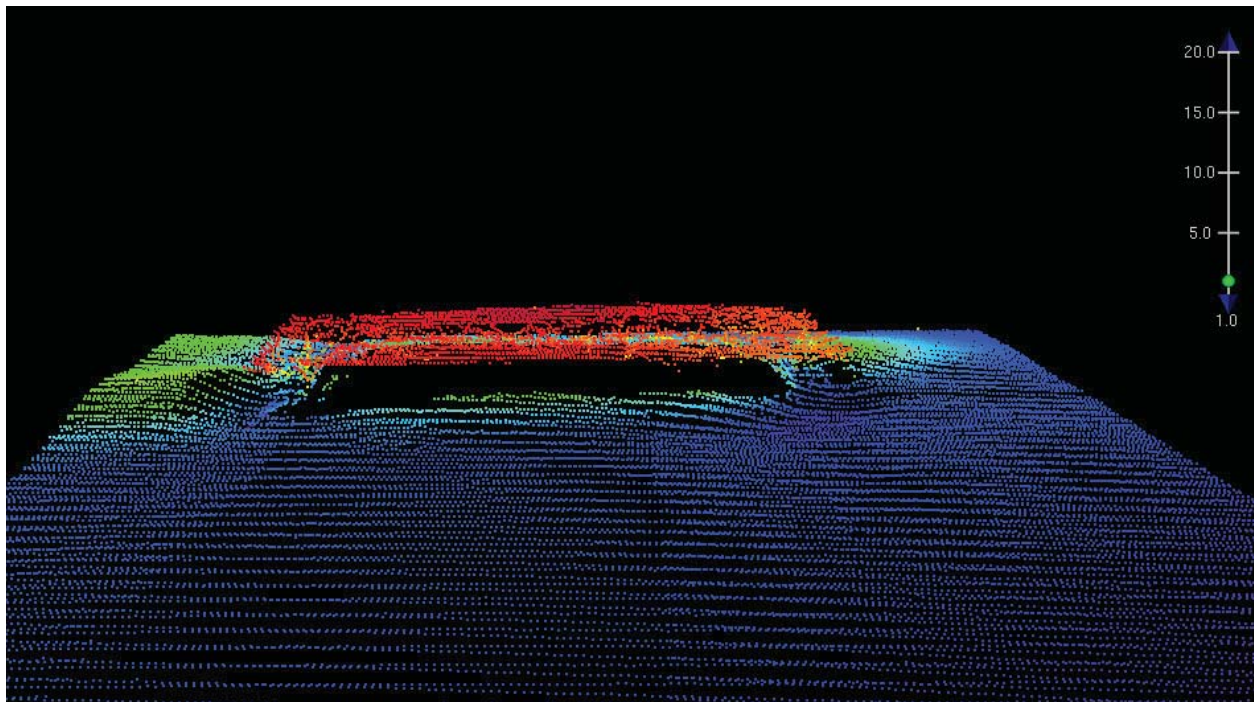


Figure 1.143.2

1.144) AWOIS 7759**Survey Summary**

Survey Position: 40° 59' 42.9" N, 073° 25' 51.9" W
Least Depth: 36.66 m (= 120.29 ft = 20.049 fm = 20 fm 0.29 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072583 00001(022600011B870001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 7759 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum. Wreck is almost completely silted over.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072583 00001	0.00	000.0	Primary

Hydrographer Recommendations

Update AWOIS DB, update charted wreck.

Cartographically-Rounded Depth (Affected Charts):

120ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

20fm (12300_1, 13006_1, 13003_1)

37m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 36.665 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS item 7759 is duplicated by AWOIS item 12685. It is recommended that Item 12685 is deleted from the AWOIS database. It is further recommended the charted 108ft wreck is deleted from the chart and the chart is updated with a 120.3ft wreck, at survey position.

Feature Images

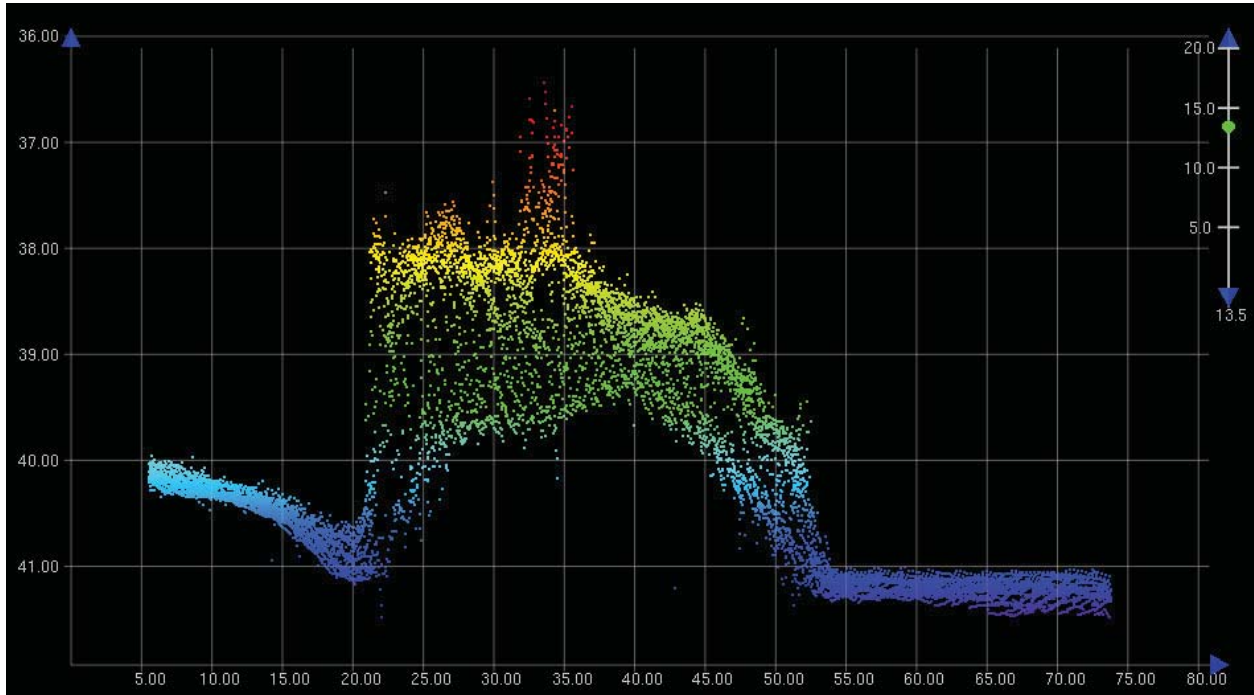


Figure 1.144.1

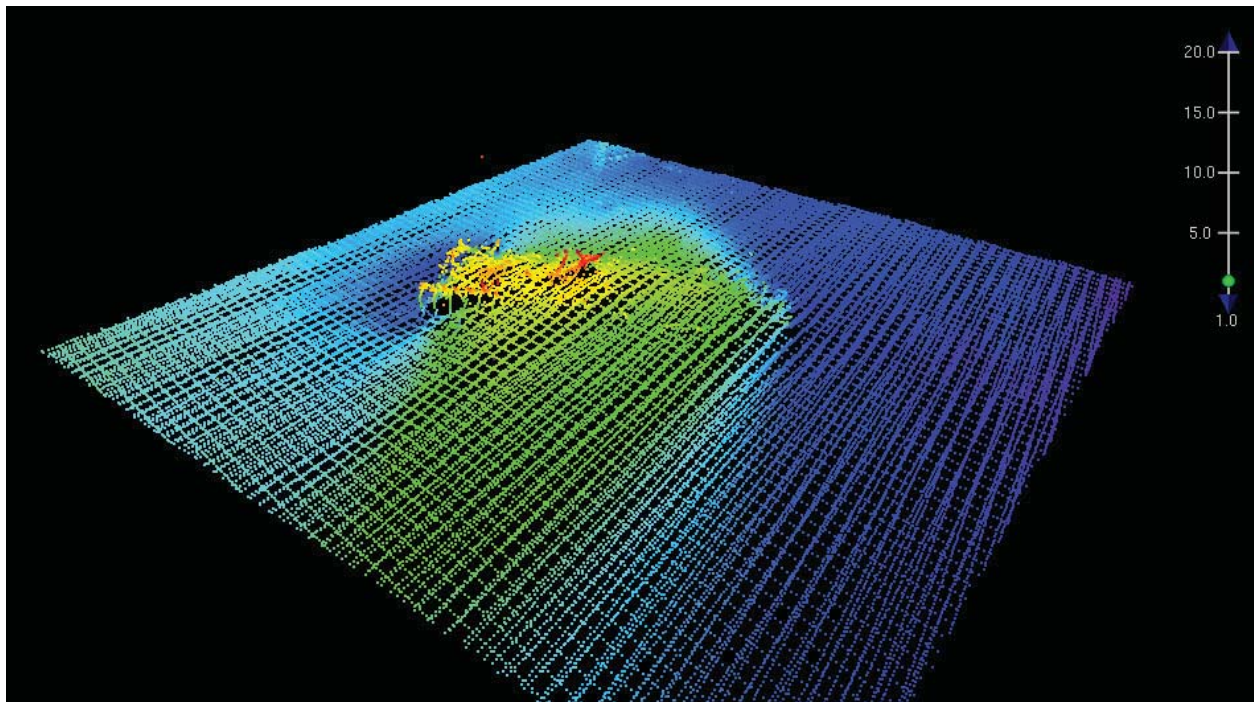


Figure 1.144.2

1.145) AWOIS 12685

Primary Feature for AWOIS Item #7759

Search Position: 40° 59' 43.2" N, 073° 25' 51.8" W
Historical Depth: 32.92 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON THE SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED IN LAT 40-59-43.01N, LONG 73-25-52.07W WITH AN ESTIMATED LEAST DEPTH OF 107 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90)

H10354/90-- OPR-B285-AHP; OBSTRUCTION LOCATED IN LAT. 40-59-43.00N, LONG. 73-25-52.38W. LD OF 31 METERS (101 FEET). EVALUATOR RECOMMENDS CHARTING AS SURVEYED. (UP 9/8/92, SJV)

H10611/95-- OPR-B389-CN; 101-FOOT SOUNDING CHARTED IN LAT. 40-59.7N (40-59-42.0N), LONG. 73-25.9W (73-25-54.0W) CORRESPONDED TO A MULTIBEAM DEPTH OF 36.9 METERS (121 FEET). IDENTIFIED AS A WRECK BY SIDE SCAN SONAR IN 40-59-43.23N, LONG. 73-25-52.12W. EVALUATOR RECOMMENDS DELETING CHARTED 101-FOOT SOUNDING AND CHARTING A 121WK AS SURVEYED. (UP 4/10/03, SJV)

S00002/02--S-B600-RU--SWMB development for SSS contact of barge Note the mast sticking up from the object creates a much shoaler WK. Delete 121ft Wk in Lat. 40°59'43.00", Long. 73°25'52.38", Chart 108ft Wk in Lat. 40°59'43.16", Long. 73°25'51.81" (RES 8/08/07).

Survey Summary

Survey Position: 40° 59' 43.2" N, 073° 25' 52.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072871 00001(022600011CA70001)

Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 12685 and 7759 are over the same wreck. AWOIS item 7759 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12685	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072871 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS database. Charting discrepancy exists between charts 12365 (121ft Wk) and 12386 (108ft Wk). Survey data documents 120ft wreck 12m to the SSE.

COMPILE: AWOIS item 12685 is a duplicate of AWOIS item 7759. Delete duplicate AWOIS database entry for item 12685.

1.146) AWOIS 12715**Primary Feature for AWOIS Item #12715**

Search Position: 40° 59' 44.0" N, 073° 25' 35.9" W
Historical Depth: 36.88 m
Search Radius: 0
Search Technique: MB, SSS
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-43.67N, LONG. 73-25-34.23W. MB LD OF 121.72 FEET (37.1 METERS). (ENT 11/15/04, SJV)

S00002/02--S-B600-RU--SWMB development on a sunken barge, updated GPs; not charted, numerous sunken wrecks in area (RES 9/21/07).

Survey Summary

Survey Position: 40° 59' 43.9" N, 073° 25' 35.7" W
Least Depth: 36.14 m (= 118.58 ft = 19.763 fm = 19 fm 4.58 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072716 00001(022600011C0C0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12715 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072716 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12715	4.73	133.6	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted

Cartographically-Rounded Depth (Affected Charts):

118ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

20fm (12300_1, 13006_1, 13003_1)

36m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 36.142 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU. Wreck appears to be historic based upon the data points and old styled vessel architecture.

COMPILE: AWOIS 12715 is uncharted and within charted caution area. It is recommended AWOIS 12715, a 118.58 ft wreck, is charted in the present survey position.

Feature Images

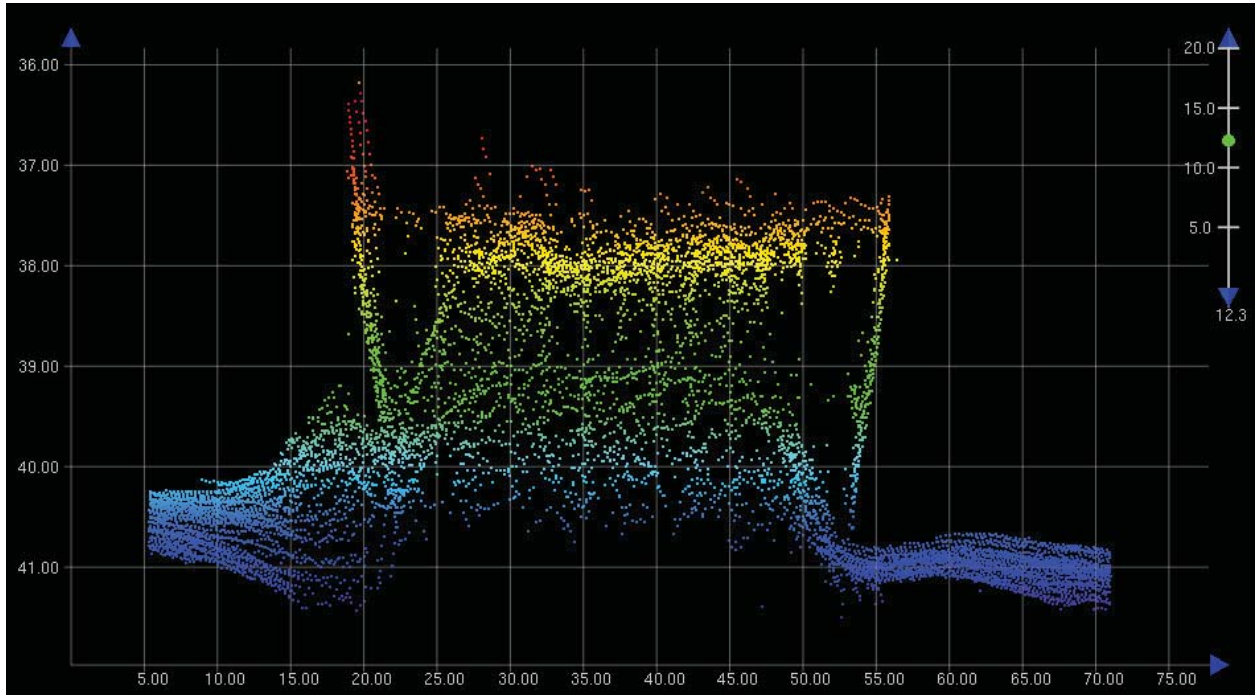


Figure 1.146.1

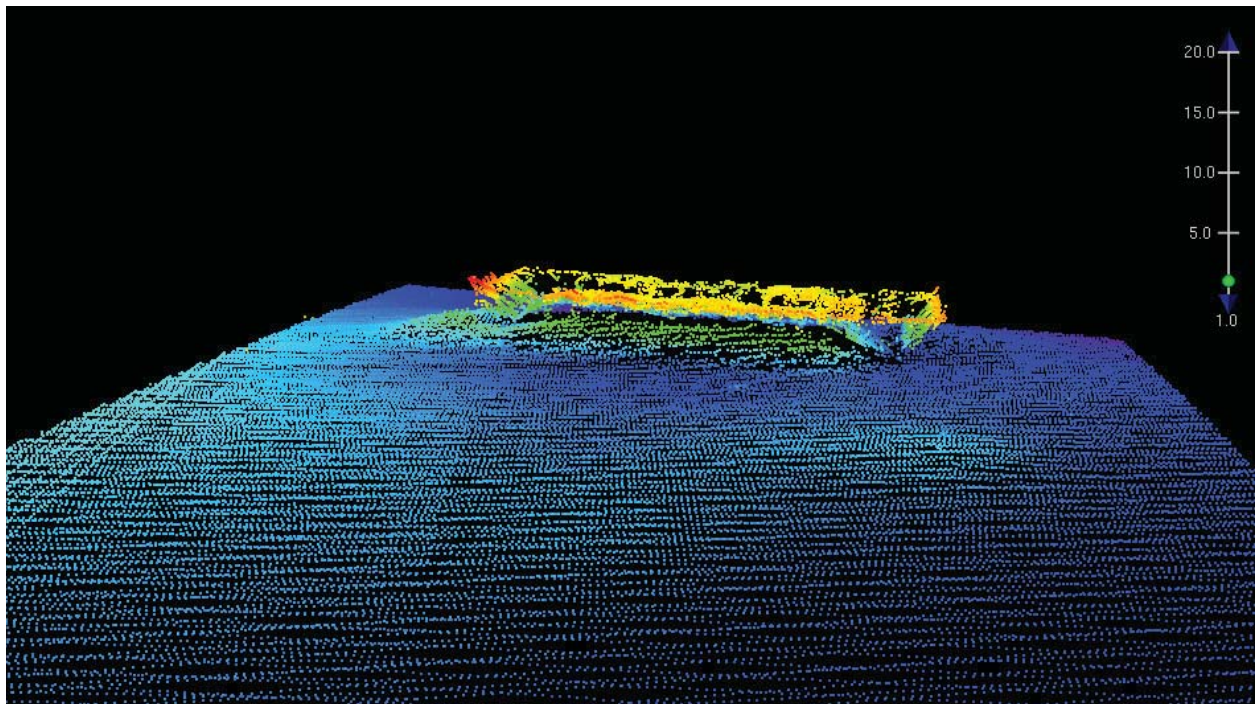


Figure 1.146.2

1.147) AWOIS 12639**Survey Summary**

Survey Position: 40° 59' 44.4" N, 073° 26' 30.5" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072586 00001(022600011B8A0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item 12639 and 11369 are identical items. 11369 contains more history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12639	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072586 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-44.41N LONG. 73-26-30.49W. MB LD OF 88 FEET (26.83 METERS). (ENT 11/10/04, SJV)

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS database. Wreck is validated by survey data.

COMPILE: AWOIS item 12639 is a duplicate of AWOIS item 11369. Delete duplicate AWOIS database entry for item 12639.

1.148) AWOIS 11369**Primary Feature for AWOIS Item #11369**

Search Position: 40° 59' 44.5" N, 073° 26' 30.7" W
Historical Depth: 26.26 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.74012N, LONG 73-26.50814W (NAD 83) WITH A LEAST DEPTH OF 26.83 METERS (88.0 FEET). CHARTED AS 88 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB development on an overturned ship wreck. Delete 88ft Wk in Lat. 40°59'44.41", Long. 73°26'30.49", Chart 88ft Wk in Lat. 40°59'44.51", Long. 73°26'30.66" (RES 8/09/07).

Survey Summary

Survey Position: 40° 59' 44.5" N, 073° 26' 30.5" W
Least Depth: 26.26 m (= 86.16 ft = 14.655 fm = 14 fm 2.16 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072748 00001(022600011C2C0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11369 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072748 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11369	4.18	113.2	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, update charted depth.

Cartographically-Rounded Depth (Affected Charts):

86ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

26m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck

EXPSOU - 1:within the range of depth of the surrounding depth area

NINFOM - Chart wrecks

QUASOU - 6:least depth known

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 26.259m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS item 11369 is duplicated by AWOIS item 12639. It is recommended that Item 12639 is deleted from the AWOIS database. It is further recommended the charted 88ft wreck is deleted from the chart and the chart is updated with an 86.2ft wrecks, at survey position.

Feature Images

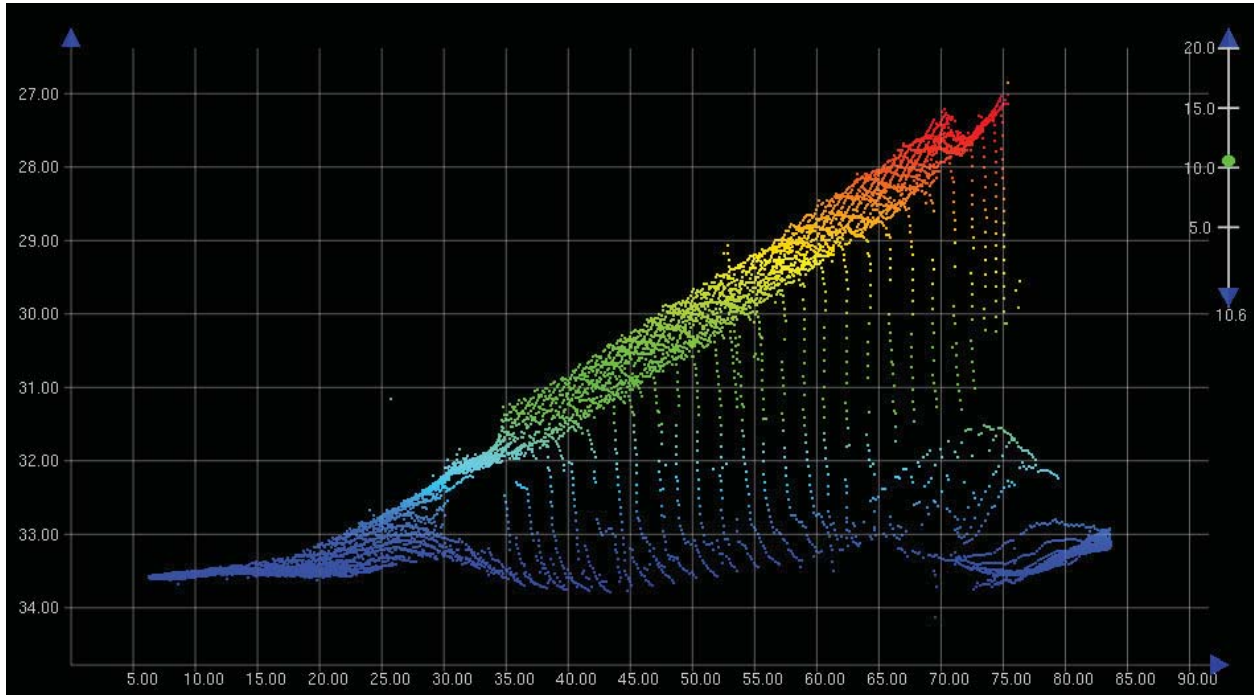


Figure 1.148.1

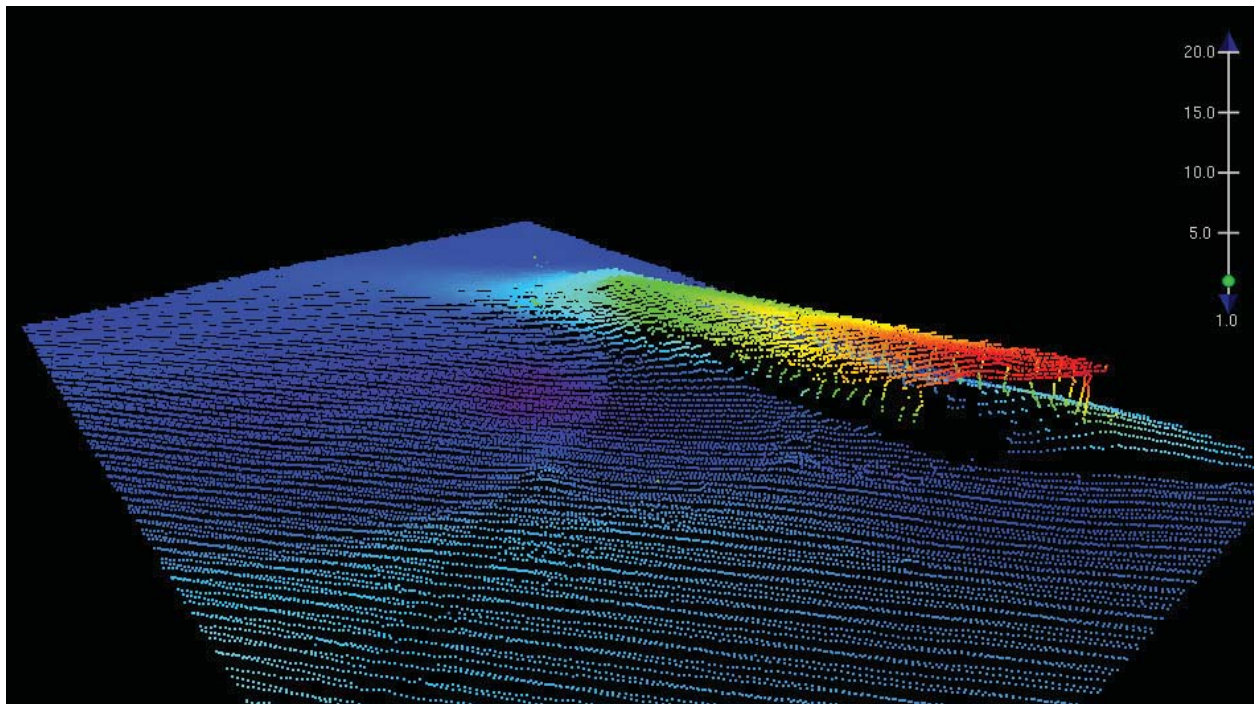


Figure 1.148.2

1.149) AWOIS 12727**Primary Feature for AWOIS Item #12727**

Search Position: 40° 59' 44.8" N, 073° 26' 17.3" W
Historical Depth: 31.70 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-44.81N, LONG. 73-26-17.26W. MB LD OF 104 FEET (31.74 METERS). (ENT 11/16/04, SJV)

Survey Summary

Survey Position: 40° 59' 44.8" N, 073° 26' 16.7" W
Least Depth: 32.48 m (= 106.57 ft = 17.762 fm = 17 fm 4.57 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072867 00001(022600011CA30001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Silted over hull of AWOIS item 12727 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072867 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12727	13.75	095.0	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

106ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 3:distributed remains of wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 32.484 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Do not concur with field unit. Evidence of this feature exists in complete coverage MBES and resulting backscatter. It is recommended to chart as distributed remains of a wreck.

COMPILE: AWOIS 12727 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

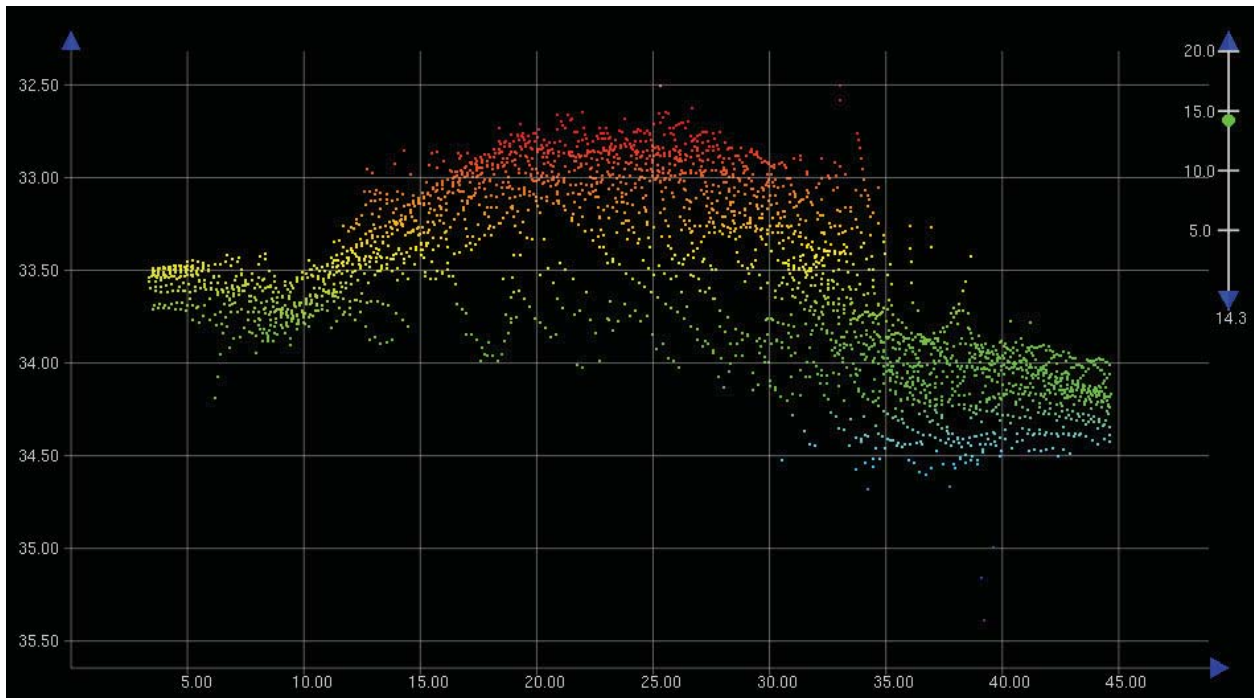


Figure 1.149.1

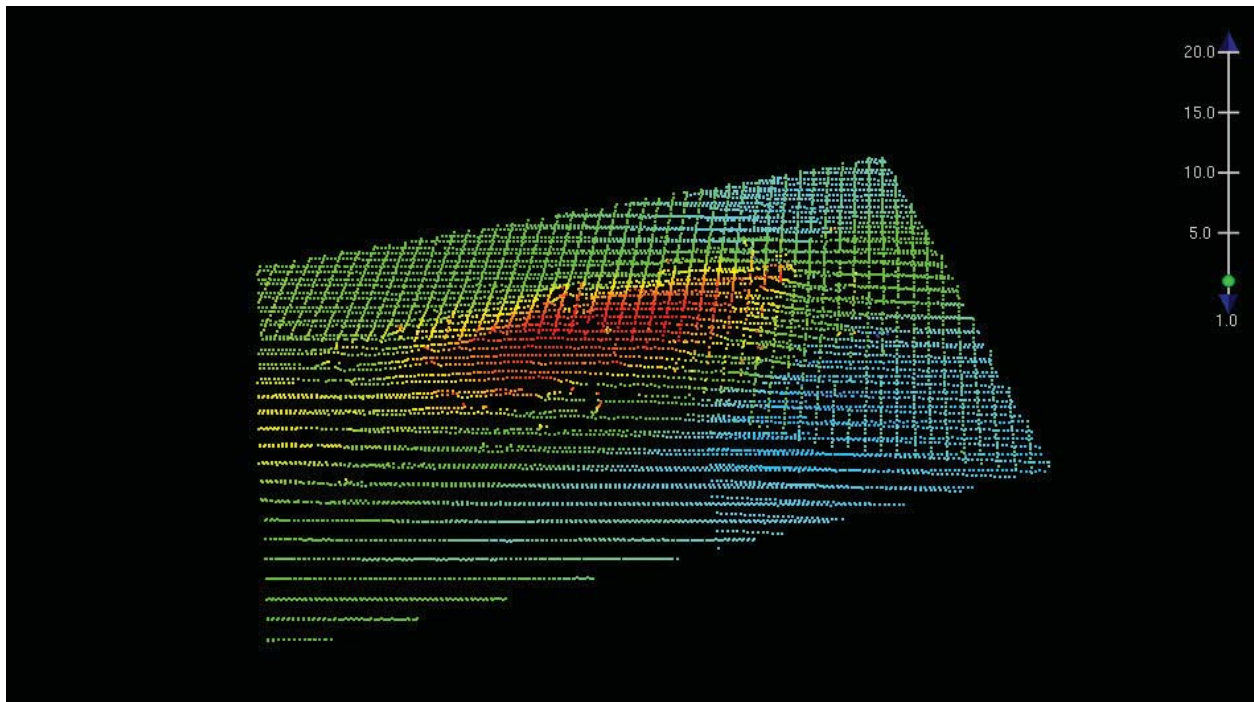


Figure 1.149.2

1.150) AWOIS 12647**Primary Feature for AWOIS Item #12647**

Search Position: 40° 59' 45.8" N, 073° 26' 26.4" W
Historical Depth: 31.09 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-45.84N, LONG. 73-26-26.43W. MB LD OF 102 FEET (31.09 METERS). (ENT 11/10/04, SJV)

Survey Summary

Survey Position: 40° 59' 45.9" N, 073° 26' 26.6" W
Least Depth: 26.26 m (= 86.16 ft = 14.360 fm = 14 fm 2.16 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072971 00001(022600011D0B0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Silted over remains of AWOIS item 12647 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072971 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12647	4.52	306.4	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

86ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

26m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 26.262 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant

COMPILE: AWOIS 12647 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

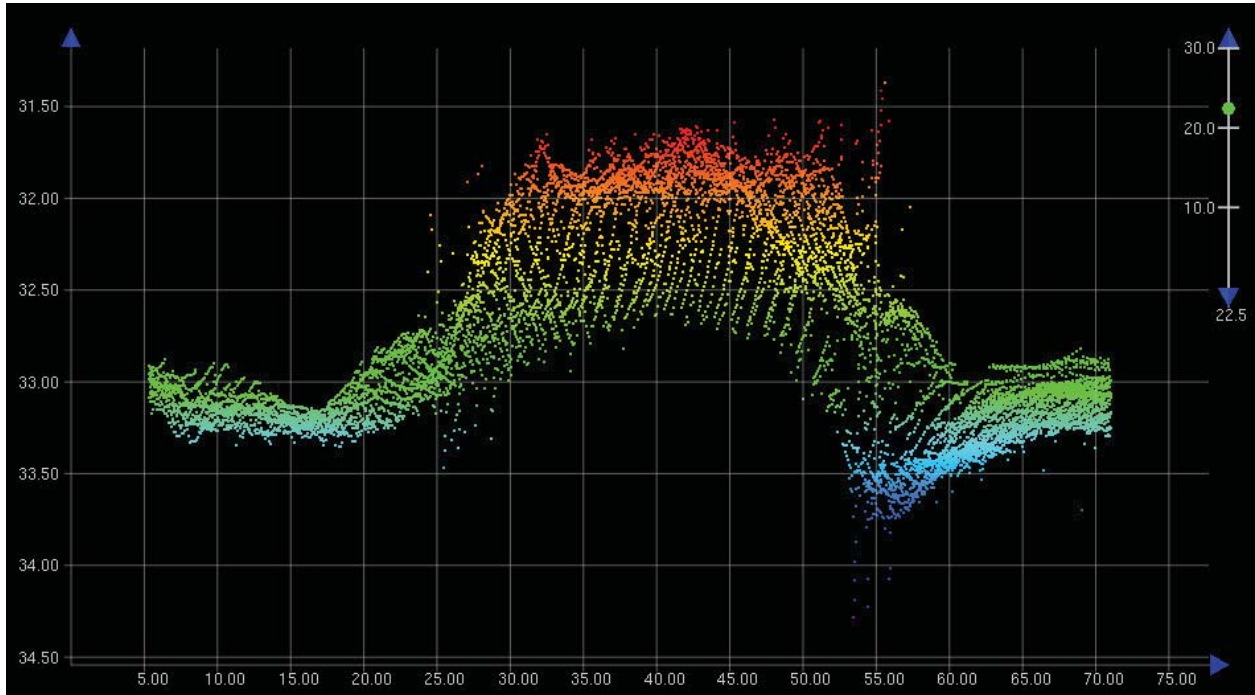


Figure 1.150.1

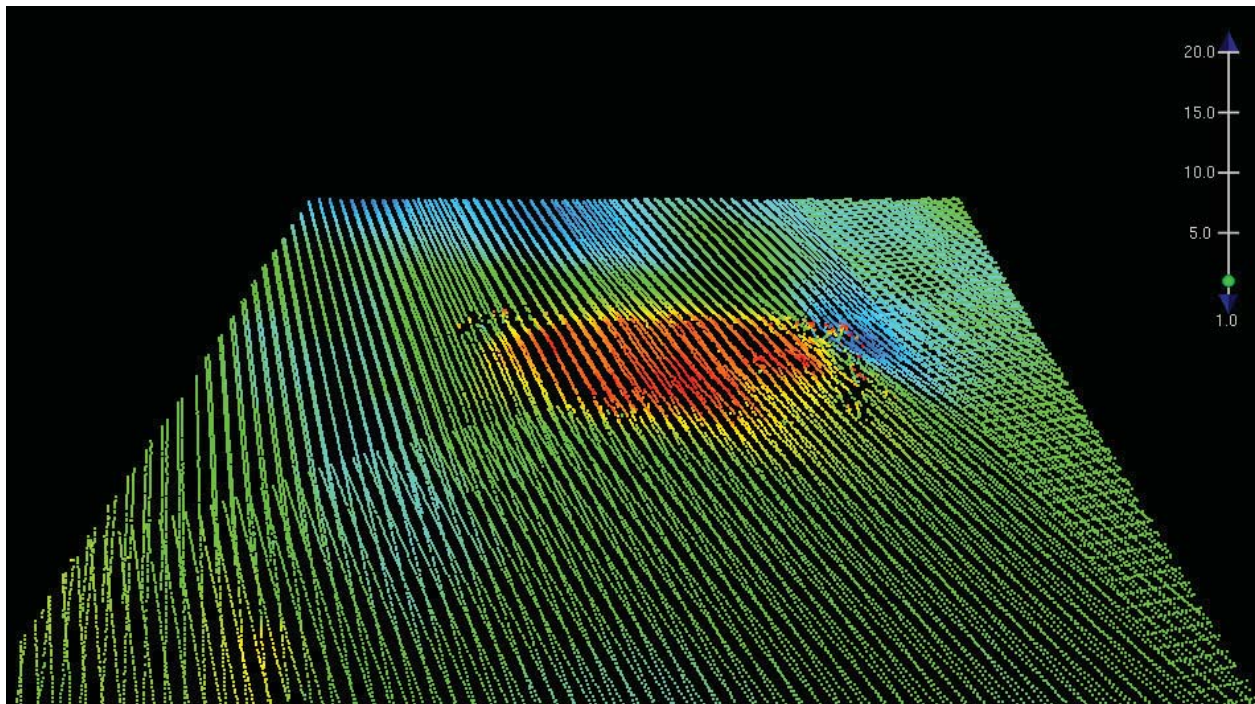


Figure 1.150.2

1.151) AWOIS 12708**Survey Summary**

Survey Position: 40° 59' 46.2" N, 073° 24' 47.7" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072714 00001(022600011C0A0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12708	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072714 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

[None]

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-46.18N, LONG. 73-24-47.73W. MB LD OF 131.82 FEET (40.18 METERS). (ENT 11/15/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Appears to be a benthic mound. Feature not currently charted. No evidence of a wreck was interpreted within the MB data. This feature is considered disproved. Recommend to update the AWOIS database.

COMPILE: AWOIS 12708 is uncharted and within charted caution area and has been disproved. No charting action. Update AWOIS database with present survey findings.

1.152) AWOIS 11839**Primary Feature for AWOIS Item #11839**

Search Position: 40° 59' 47.9" N, 073° 27' 14.3" W
Historical Depth: 25.30 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-47.88N, LONG. 73-27-14.32W. MULTIBEAM LD OF 25.28 METERS (83 FEET). EVALUATOR RECOMMENDS CHARTING A 83WK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 59' 47.1" N, 073° 27' 14.3" W
Least Depth: 25.13 m (= 82.43 ft = 13.739 fm = 13 fm 4.43 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072580 00001(022600011B840001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072580 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11839	23.50	179.2	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

82ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

13fm (12300_1, 13006_1, 13003_1)

25m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 25.126 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: Delete charted 83ft wreck. Chart AWOIS 11839, an 82.4ft wreck, at survey position.

Feature Images

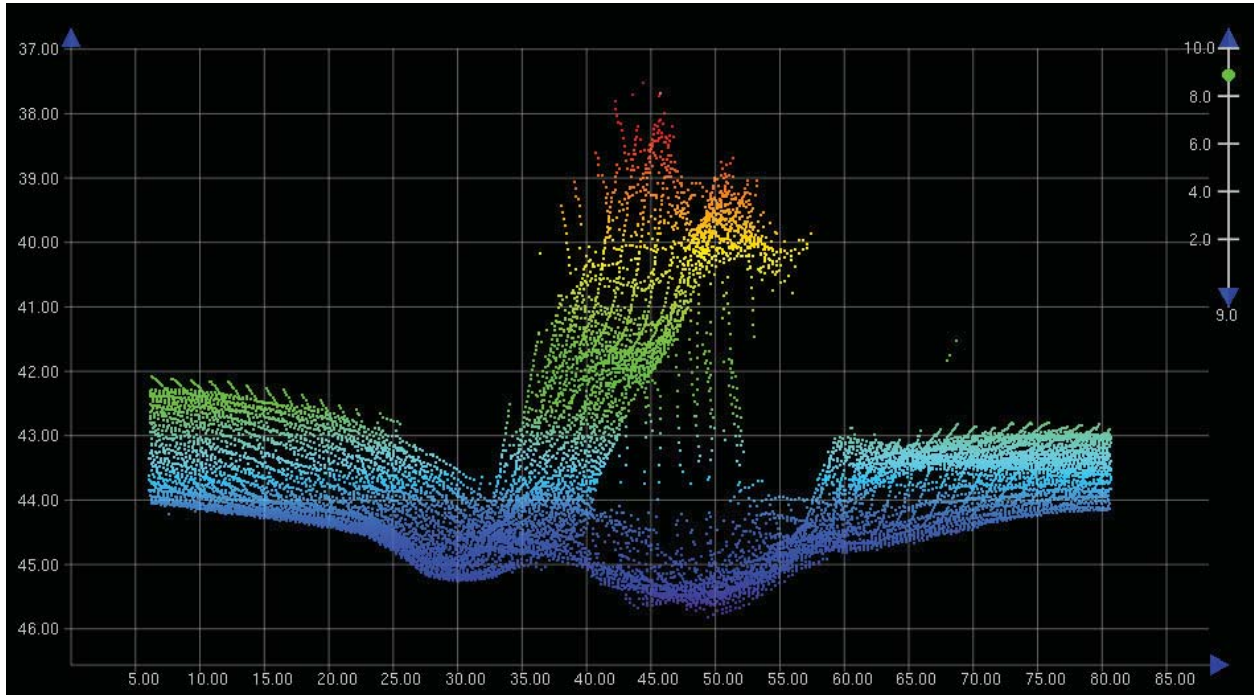


Figure 1.152.1

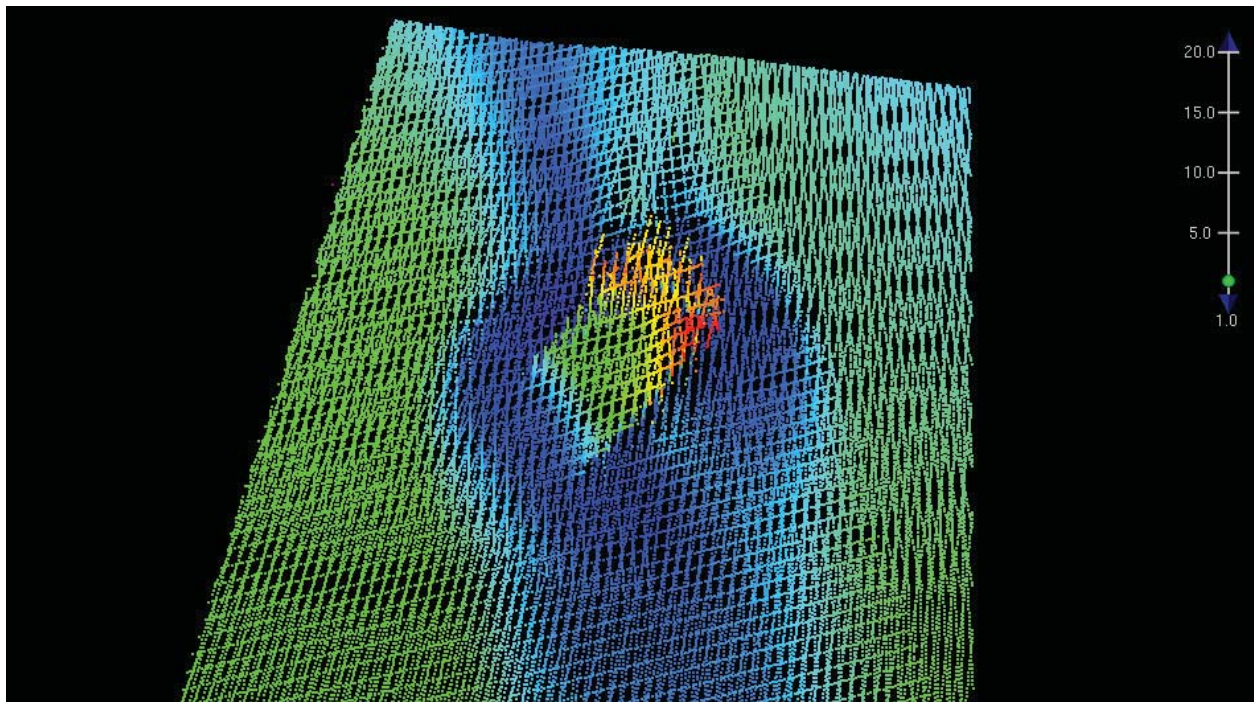


Figure 1.152.2

1.153) AWOIS 11838**Primary Feature for AWOIS Item #11838**

Search Position: 40° 59' 47.5" N, 073° 25' 15.9" W
Historical Depth: 30.78 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-47.48N, LONG, 73-25-15.94W. MULTIBEAM LD OF 31.02 METERS (101.7 FEET). EVALUATOR RECOMMENDS CHARTING A 101WK AS SURVEYED. (ENT 4/14/03, SJV)

Survey Summary

Survey Position: 40° 59' 47.3" N, 073° 25' 15.4" W
Least Depth: 32.29 m (= 105.94 ft = 17.657 fm = 17 fm 3.94 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072717 00001(022600011C0D0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Remains of AWOIS item 11838 found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072717 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11838	13.67	107.6	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, update charted depth.

Cartographically-Rounded Depth (Affected Charts):

106ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 32.291 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Delete charted 101ft wreck. Chart AWOIS 11838, a 105.9ft wreck, at survey position.

Feature Images

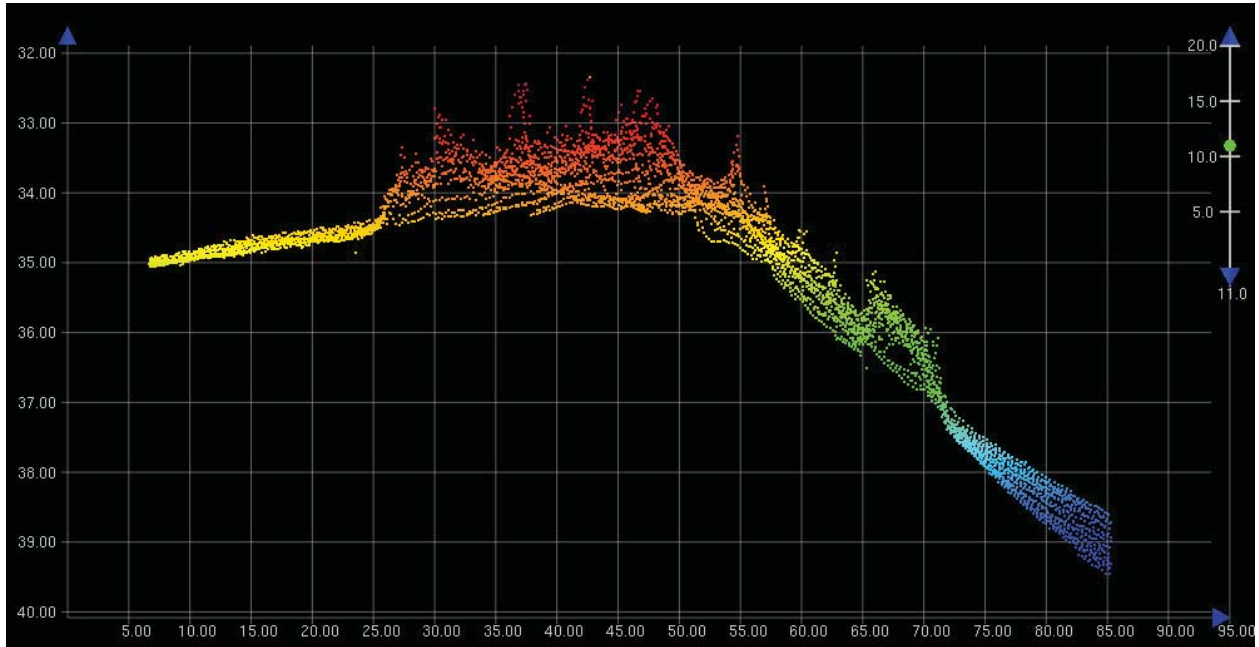


Figure 1.153.1

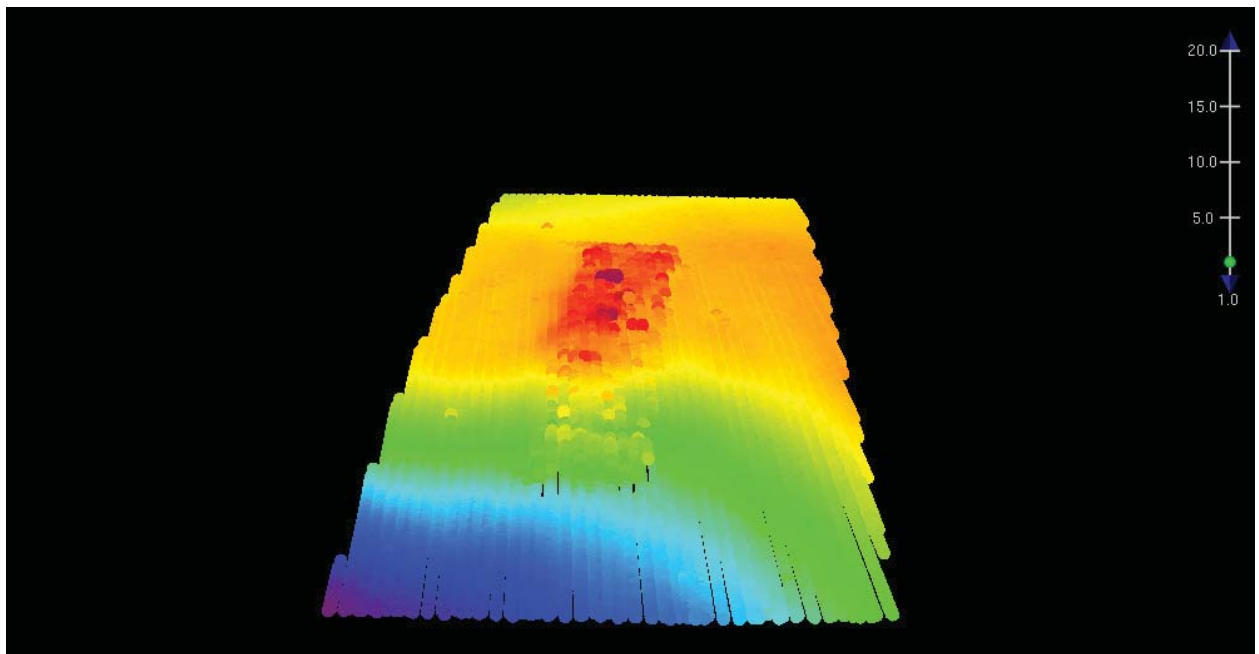


Figure 1.153.2

1.154) AWOIS 11372 and AWOIS 12645

Primary Feature for AWOIS Item #11372

Search Position: 40° 59' 47.9" N, 073° 26' 00.4" W
Historical Depth: 34.75 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.79714N, LONG 73-26.01955W (NAD 83) WITH A LEAST DEPTH OF 36.01 METERS(118.0 FEET). CHARTED AS 118 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB development of boat wreck. Delete 118 Wk in Lat. 40°59'47.83", Long. 73°26'01.17", Chart 114 Wk in Lat. 40°59'47.91", Long. 73°26'00.39" (RES 8/09/07) (RES 8/09/07).

Survey Summary

Survey Position: 40° 59' 47.8" N, 073° 26' 01.2" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072873 00001(022600011CA90001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: Item is duplicated by AWOIS 11372. While this AWOIS is in the correct location, the other item has more recent history, though the latest recommendation did not make the chart.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: UNASSIGNED, Searchtype: , Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12645	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072873 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
NTXTDS - ENC US5CN11M,ED24,Update 3
SORDAT - 20120927
SORIND - US,US,graph,H12412

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. What appears to be what was once a wreck is validated within the MB data. The height above the sea floor is not significant and appears to be silted around the wreck such that the feature appears to be part of the sea floor. Recommend to update AWOIS database. Recommend to chart survey depths within the common area.

COMPILE: AWOIS item 11372 is duplicated by AWOIS item 12645. It is recommended that Item 12645 is deleted from the AWOIS database. It is further recommended the charted 114ft wreck is deleted from the chart and the chart is updated with present survey depths. Update AWOIS database for Item 11372 to reflect that Item was disproved by present survey. Nothing of significance was found.

1.155) AWOIS 12714**Survey Summary**

Survey Position: 40° 59' 47.9" N, 073° 25' 03.7" W
Least Depth: 39.01 m (= 127.98 ft = 21.330 fm = 21 fm 1.98 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072553 00001(022600011B690001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12714 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum. Item is on a slope.

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12714	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072553 00001	36.53	002.6	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

128ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

21fm (12300_1, 13006_1, 13003_1)

39m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No action
 QUASOU - 6:least depth known

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-49.09N, LONG. 73-25-03.66W. MB LD OF 113 FEET (34.58 METERS). (ENT 11/15/04, SJV)

SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 39.008 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12714 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

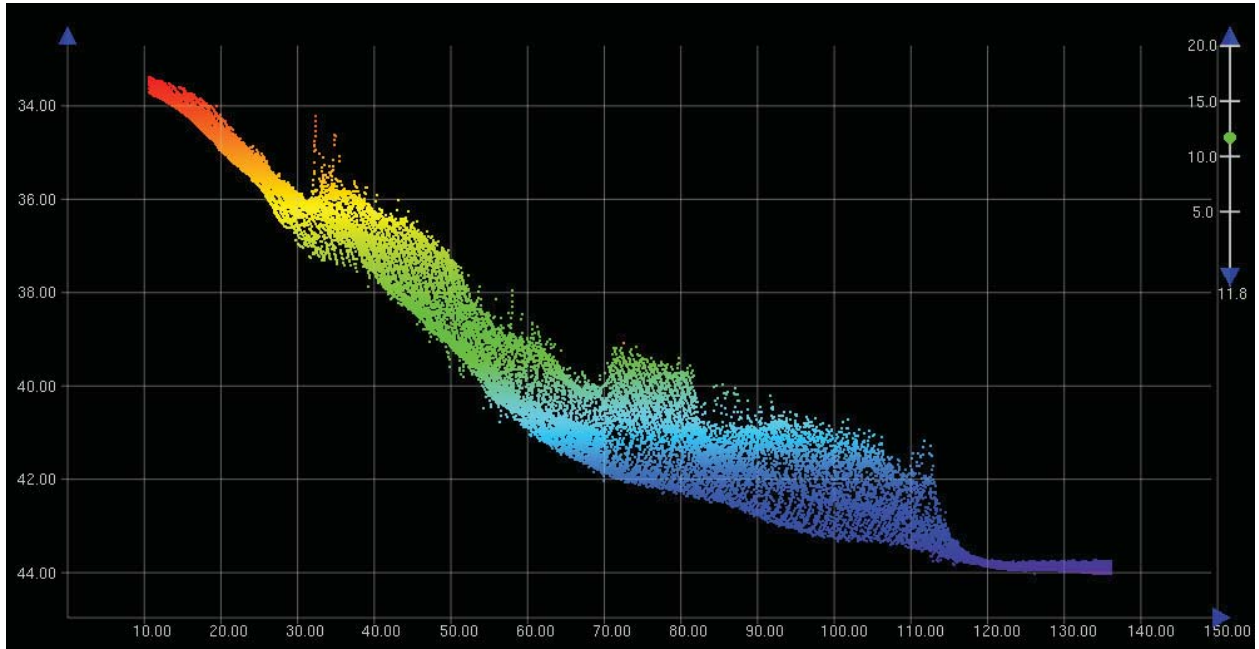


Figure 1.155.1

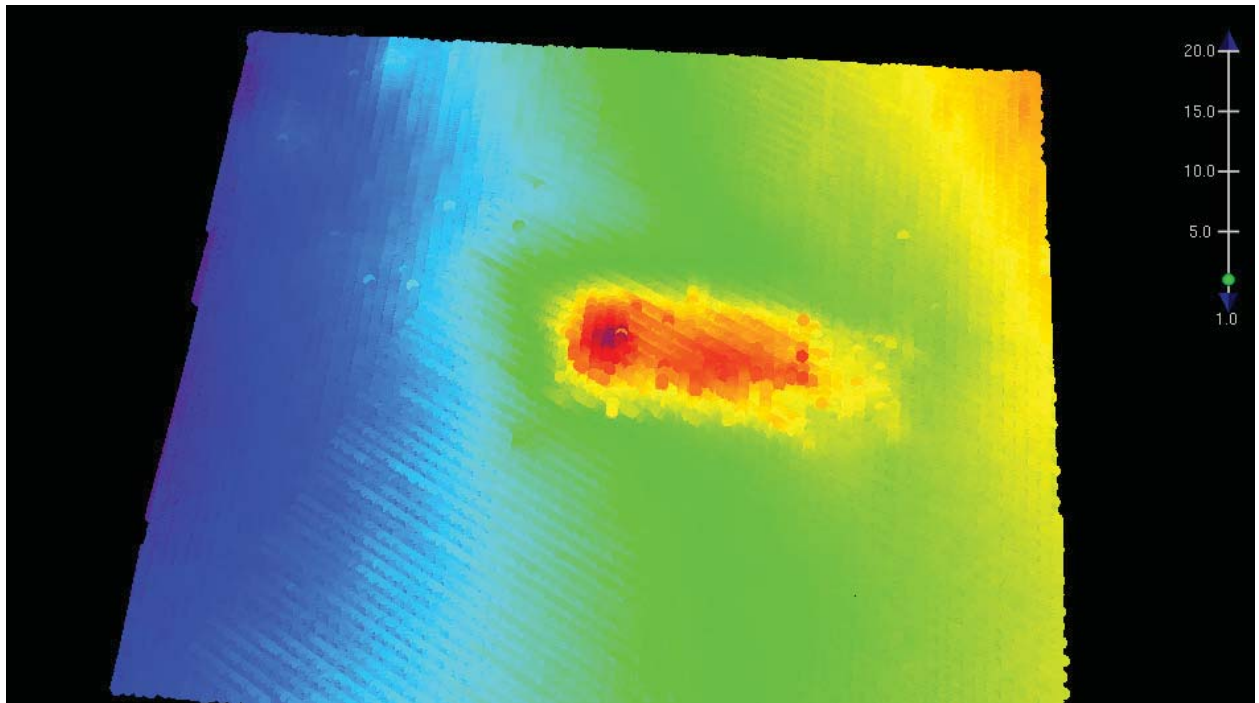


Figure 1.155.2

1.156) AWOIS 12719

Survey Summary

Survey Position: 40° 59' 48.5" N, 073° 25' 23.2" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072702 00001(022600011BFE0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: No feature was found in this area. Search was conducted with Reson 7125 complete MBES.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12719	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072702 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS DB.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - No action
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-48.45N, LONG. 73-25-23.24W. MB LD OF 126.51 FEET (38.56 METERS). (ENT 11/15/04, SJV)

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. No evidence of this feature was found. This feature is considered disproved. Recommend to update AWOIS database.

COMPILE: AWOIS 12719 is uncharted and within charted caution area. Update area with present survey depths. AWOIS 12719 has been disproved. Update AWOIS database with present survey

1.157) AWOIS 12627**Survey Summary**

Survey Position: 40° 59' 48.5" N, 073° 26' 59.6" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072744 00001(022600011C280001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

\$CSYMB/remrks: AWOIS item is duplicated by item 11371. Item 11371 has more recent history.

\$CSYMB/invreq: Type: UNKNOWN, Itemstatus: COMPLETED, Searchtype: INFOMATION, Technique:

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12627	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072744 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove from AWOIS db.

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)
Attributes: NINFOM - Update AWOIS database
 NTXTDS - ENC US5CN11M,ED24,Update 3
 SORDAT - 20120927
 SORIND - US,US,graph,H12412

History Notes:**HISTORY**

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-48.53N, LONG. 73-26-59.58W. MB LD OF 85.69 FEET (26.12 METERS). (ENT 11/10/04, SJV)

Office Notes

SAR NOTES: This is a duplicate feature. Defer to cartographer for final chart exposition. Recommend to update AWOIS database. Chart discrepancy; chart 12365 displays as 86ft, while chart 12368 displays as 85ft. H12412 documnets 87ft Wreck.

COMPILE: AWOIS item 12627 is a duplicate of AWOIS item 11371. Delete duplicate AWOIS database entry for item 12627.

1.158) AWOIS 11371**Primary Feature for AWOIS Item #11371**

Search Position: 40° 59' 48.5" N, 073° 26' 59.5" W
Historical Depth: 26.21 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.80875N, LONG 73-26.99296W (NAD 83) WITH A LEAST DEPTH OF 26.12 METERS (85.6 FEET). CHARTED AS 85 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB development of shipwreck; Delete 85ft Wk in Lat. 40°59'48.53", Long. 73°26'59.58", Chart 86ft Wk in Lat. 40°59'48.55", Long. 73°26'59.46" (RES 8/13/07).

Survey Summary

Survey Position: 40° 59' 48.6" N, 073° 26' 59.6" W
Least Depth: 26.60 m (= 87.27 ft = 14.545 fm = 14 fm 3.27 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072747 00001(022600011C2B0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072747 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 11371	4.40	270.7	Secondary (grouped)

Hydrographer Recommendations

Update chart. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

87ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

27m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 2:shoaler than range of depth of the surrounding depth area
NINFOM - Chart wreck
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 26.600 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.
Update chart VALSOU.

COMPILE: AWOIS item 11371 is duplicated by AWOIS item 12672. It is recommended that Item 12672 is deleted from the AWOIS database. It is further recommended the charted 86ft wreck is deleted from the chart and the chart is updated with an 87.3ft wreck, at survey position.

Feature Images

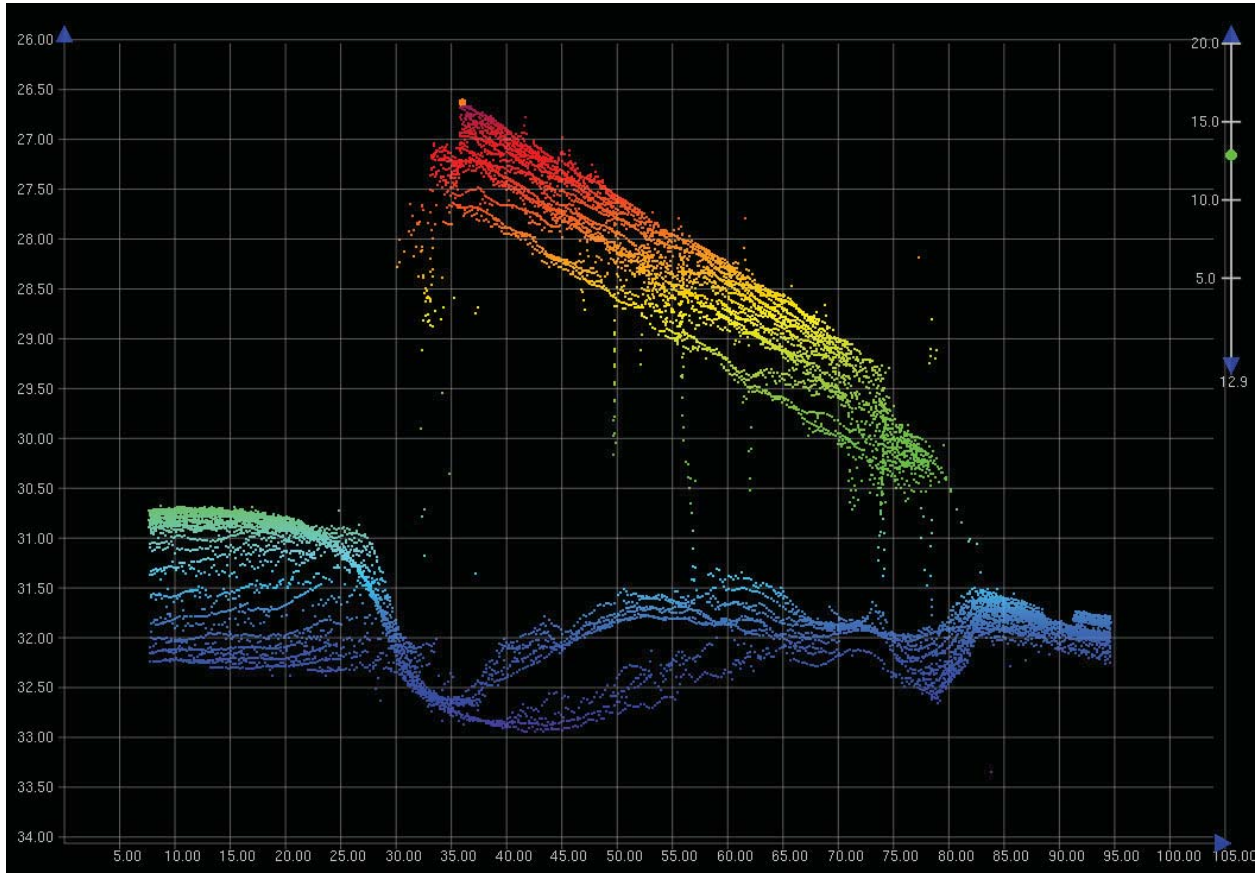


Figure 1.158.1

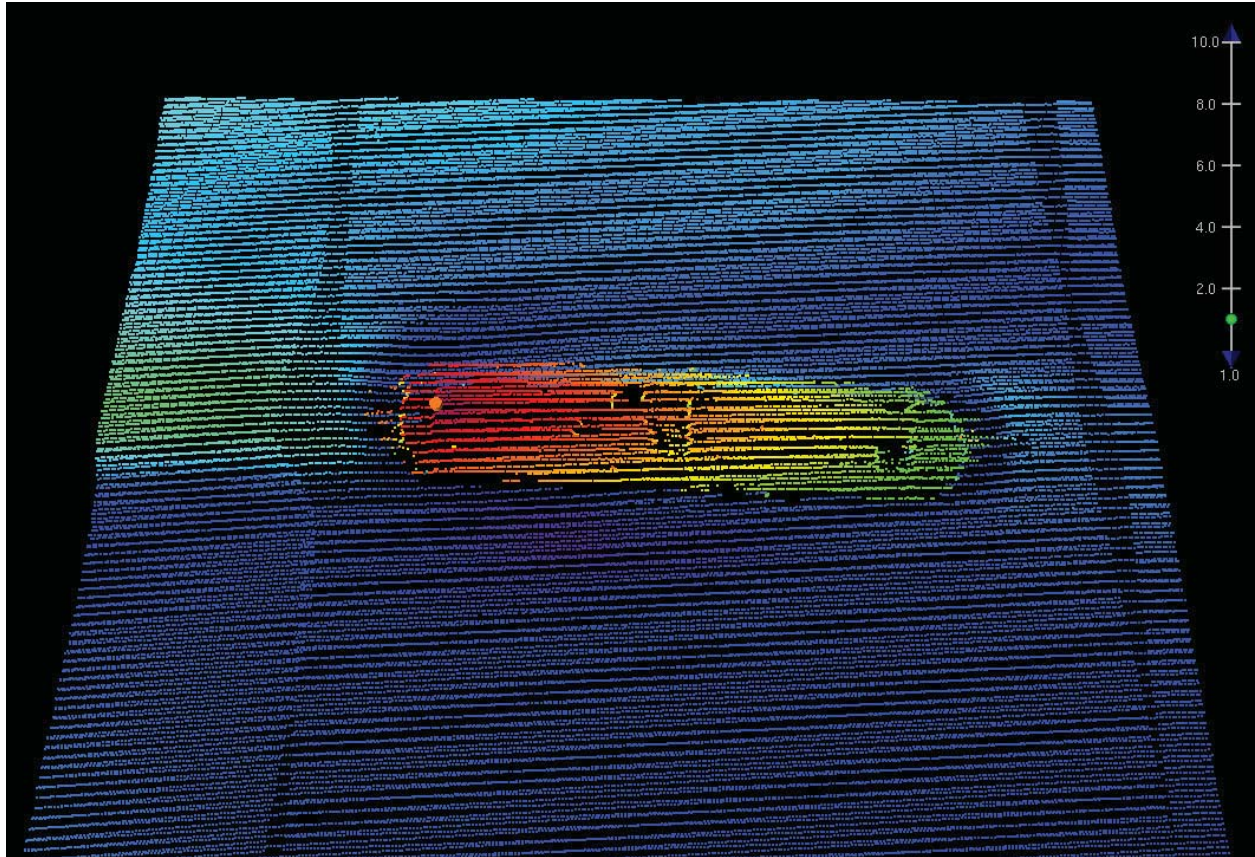


Figure 1.158.2

1.159) AWOIS 11370**Survey Summary**

Survey Position: 40° 59' 49.7" N, 073° 26' 41.3" W
Least Depth: 29.01 m (= 95.17 ft = 15.862 fm = 15 fm 5.17 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072970 00001(022600011D0A0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 11370 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072970 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a 97ft wreck. Update AWOIS db.

Cartographically-Rounded Depth (Affected Charts):

95ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

History Notes:**HISTORY**

H10611/95--OPR-B389-CN; WRECK LOCATED BY MULTIBEAM IN LAT 40-59.84373N, LONG 73-26.69907W (NAD 83) WITH A LEAST DEPTH OF 29 METERS (95.0 FEET). CHARTED AS 95 WK. (ENT 02/02, PSH)

S00002/02--S-B600-RU--SWMB development of a barge; Delete 95ft Wk in Lat 40°59'50.62", Long. 73°26'41.94", Chart 94ft Wk in Lat. 40°59'50.78", Long. 73°26'41.65"

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 29.008 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU. Do not concur with least depth; data editing was conducted. Chart 95ft Wk (29.008m).

COMPILE: AWOIS item 11370 is duplicated by AWOIS item 12626. It is recommended that Item 12626 is deleted from the AWOIS database. It is further recommended the charted 94ft wreck is deleted from the chart and the chart is updated with a 95.17ft wreck, at survey position.

Feature Images

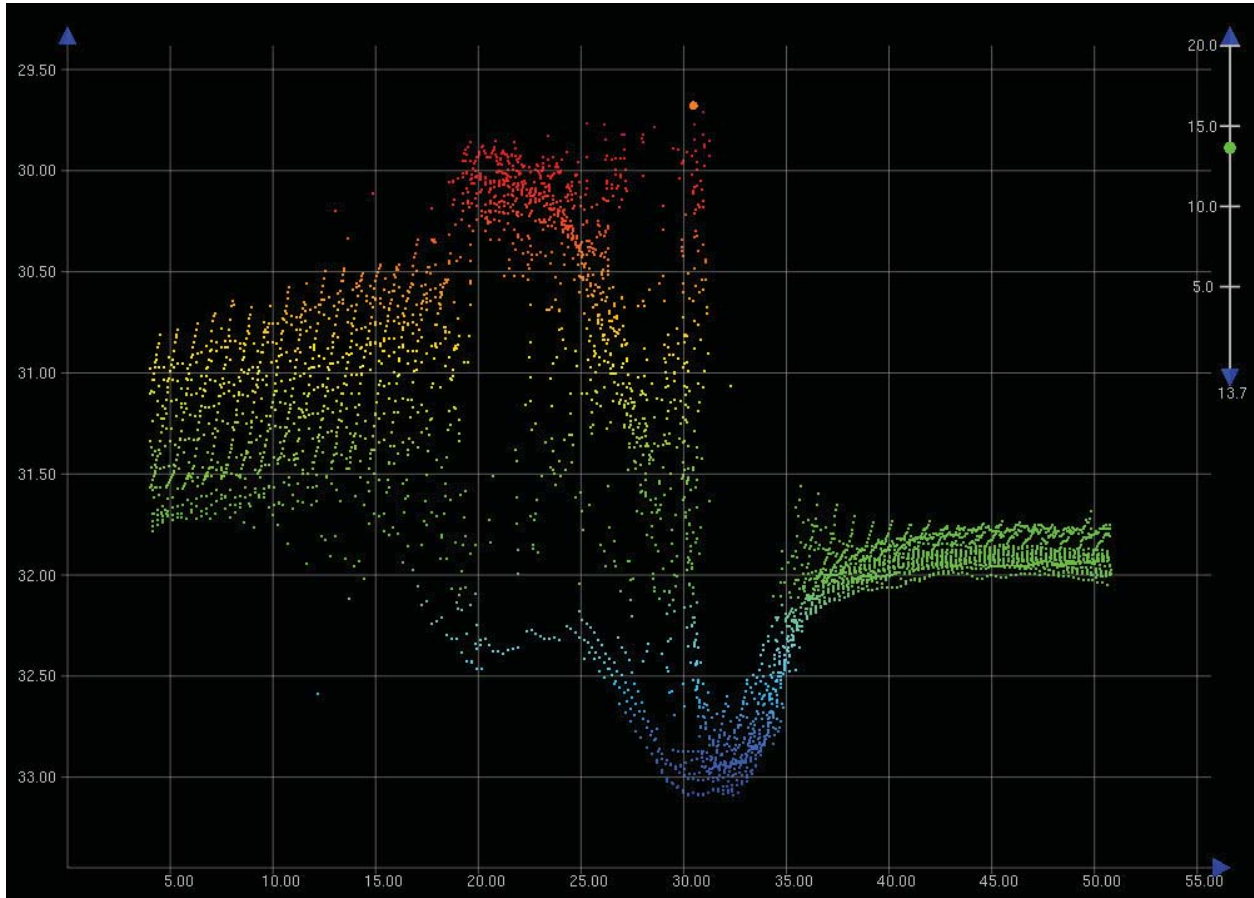


Figure 1.159.1

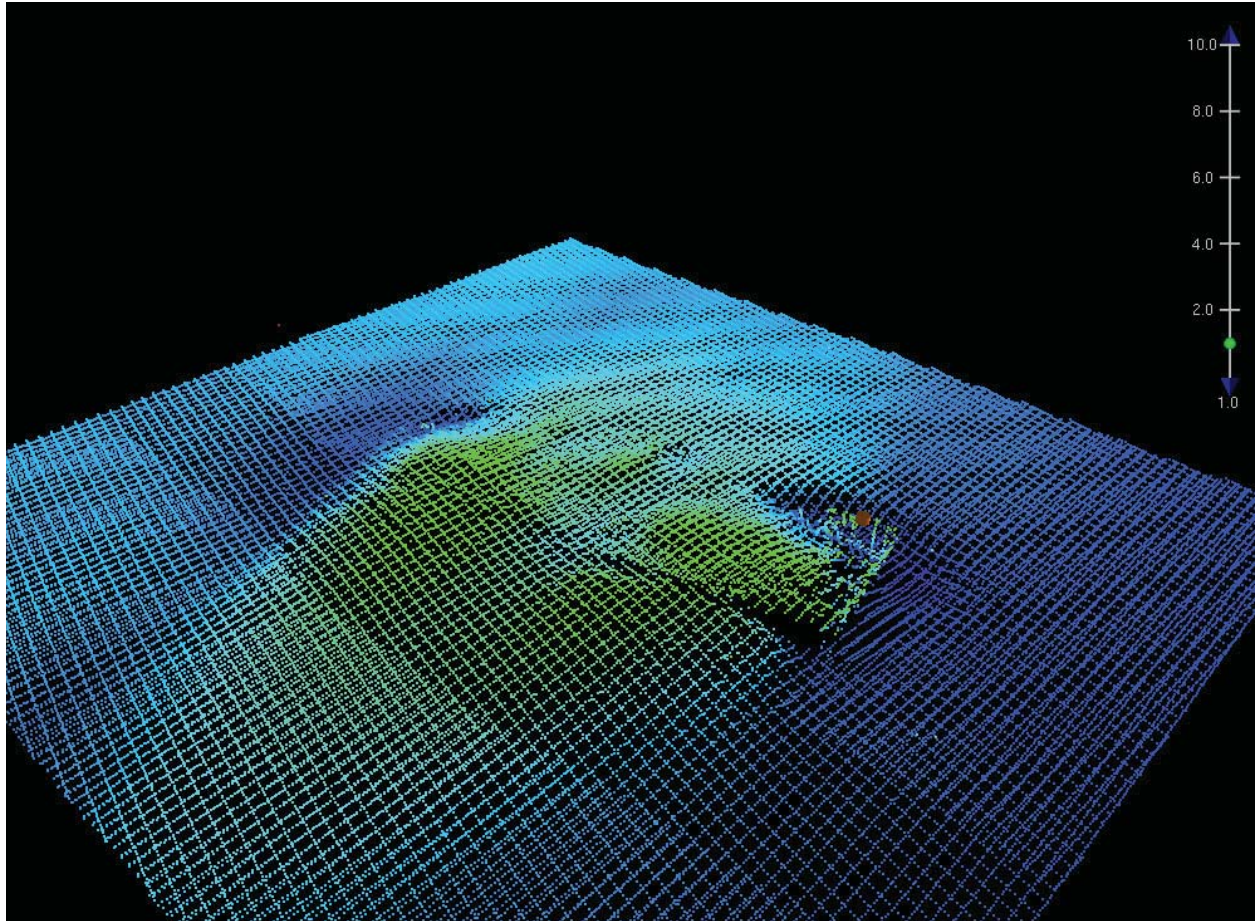


Figure 1.159.2

1.160) AWOIS 12678

Primary Feature for AWOIS Item #12678

Search Position: 40° 59' 49.9" N, 073° 25' 35.9" W
Historical Depth: 29.87 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 40-59-49.89N, LONG. 73-25-36.26W. MB LD OF 103 FEET (31.4 METERS). (ENT 11/12/04, SJV)

S00002/02--S-B600-RU--Multibeam located sunken barge; updated GPs and changed depth value from 103ft to 98ft; not charted, multiple wrecks in area (RES 9/20/07)

Survey Summary

Survey Position: 40° 59' 49.9" N, 073° 25' 36.2" W
Least Depth: 31.07 m (= 101.93 ft = 16.988 fm = 16 fm 5.93 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_AWOIS.000
FOID: US 0000072697 00001(022600011BF90001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: AWOIS item 12678 was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_AWOIS.000	US 0000072697 00001	0.00	000.0	Primary
AWOIS_EXPORT from H12414	AWOIS # 12678	7.18	267.2	Secondary (grouped)

Hydrographer Recommendations

Update AWOIS DB, leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

102ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

31m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
EXPSOU - 1:within the range of depth of the surrounding depth area
NINFOM - No charting action
QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 31.068 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: AWOIS 12678 is uncharted and within charted caution area. No charting action. Update AWOIS database with present survey findings.

Feature Images

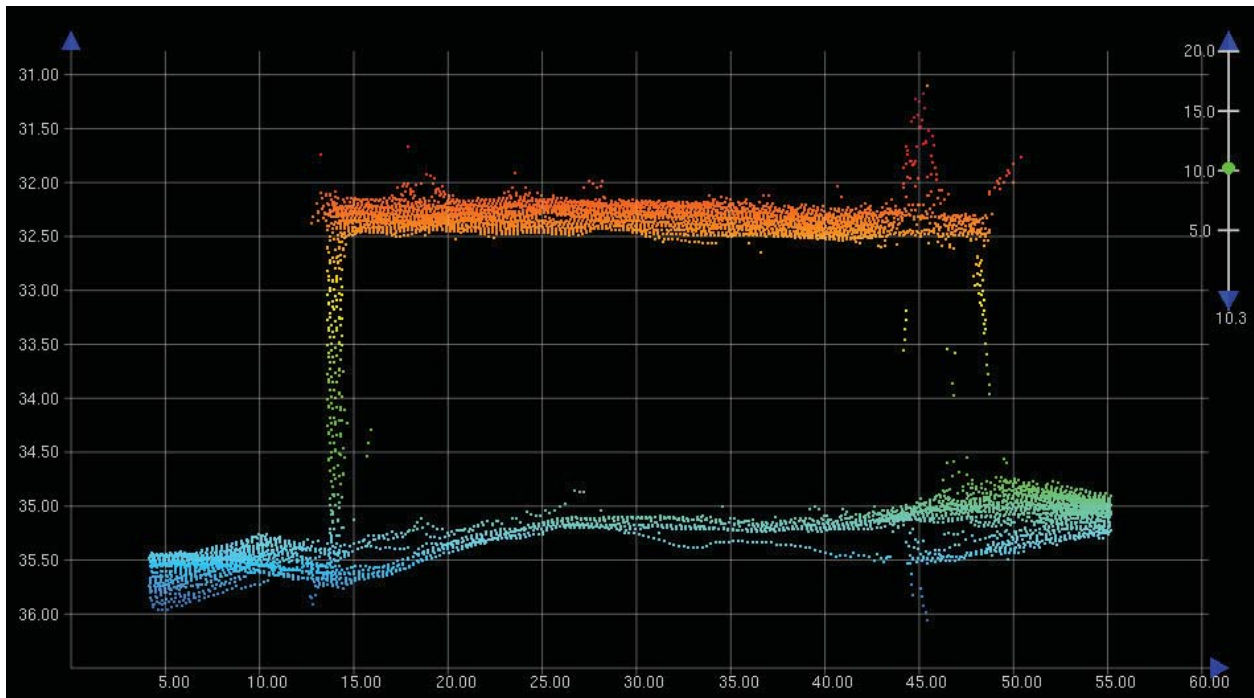


Figure 1.160.1

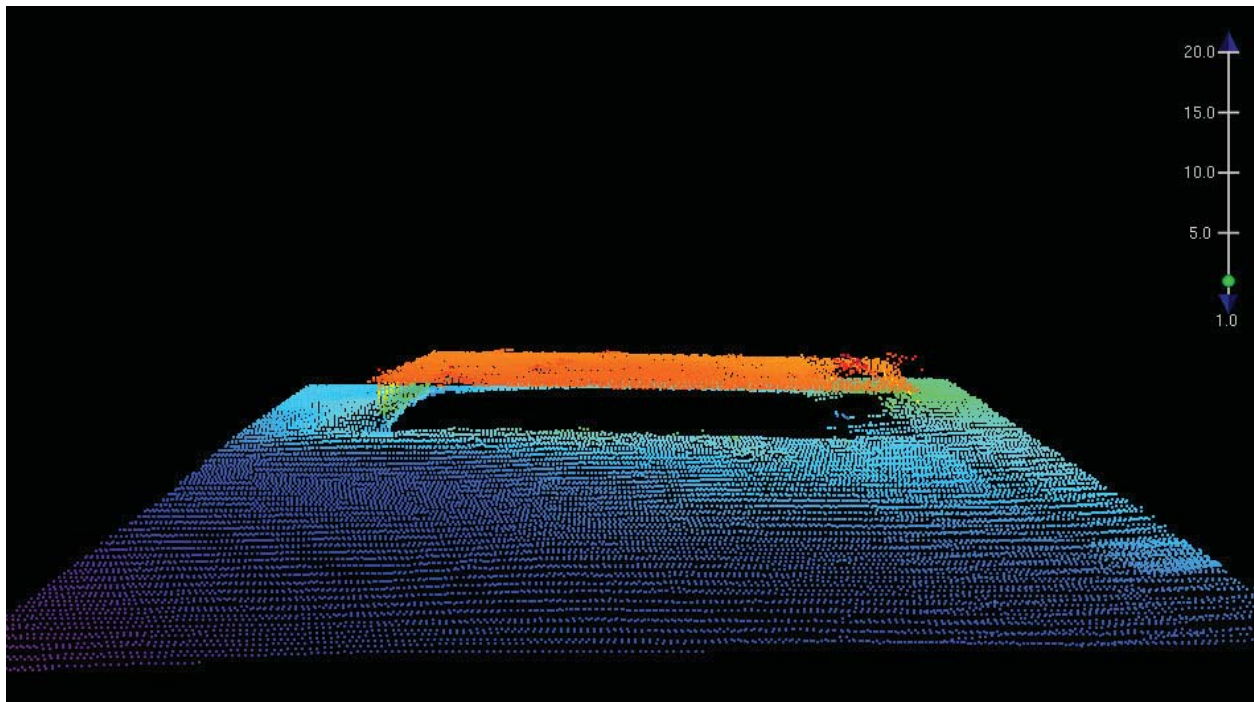


Figure 1.160.2

1.209) AWOIS 12728**Survey Summary**

Survey Position: 41° 00' 17.9" N, 073° 25' 58.3" W
Least Depth: 21.60 m (= 70.87 ft = 11.811 fm = 11 fm 4.87 ft)
TPU ($\pm 1.96\sigma$): **THU (TPEh)** [None] ; **TVU (TPEv)** [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_addl_Pydro.000
FOID: 0_0001086357 00001(FFFE001093950001)

FE320SS/88--OPR-B660-RU-88; WHILE SEARCHING FOR AWOIS ITEM 4454, NUMEROUS CONTACTS WERE NOTED ON SONARGRAMS; 16 WERE CONSIDERED SIGNIFICANT BY OFFICE PROCESSORS; ONE OBSTRUCTION WAS LOCATED AT LAT 41-00-18.88N, LONG 073-25-57.87W WITH AN ESTIMATED LEAST DEPTH OF 72 FT.; DEPTH WAS ESTIMATED BY SCALING HEIGHT OFF THE BOTTOM FROM SIDE SCAN RECORDS; POSITION WAS DETERMINED BY COMPUTING OFFSET FROM VESSEL'S TRACK. (ENTERED MSM 5/90)
 H10354/90-- OPR-B285-AHP; SHOALER DEPTHS LOCATED IN IMMEDIATE VICINITY. EVALUATOR RECOMMENDS CHARTING AS SURVEYED. DO NOT CHART OBSTRUCTION. (UP 9/8/92, SJV)
 H10611/95-- OPR-B389-CN; UNCHARTED WRECK LOCATED IN LAT. 41-00-18.11N, LONG. 73-25-57.63W. MB LD OF 70 FEET (21.44 METERS). (ENT 11/16/04, SJV)

Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Sparse remains of a wreck were found over this AWOIS item and charted wreck. No item of significant height was discovered.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_addl_Pydro.000	0_0001086357 00001	0.00	000.0	Primary

Hydrographer Recommendations

Delete from AWOIS db. Remove from chart.

Cartographically-Rounded Depth (Affected Charts):

71ft (12368_1, 12364_20, 12364_8, 12363_1)

12fm (12300_1, 13006_1, 13003_1)

22m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

VALSOU - 21.600 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Do not concur with field unit. Are ensonified with complete coverage MBES. MB data alone does not definitively portray the wreck. SS imagery not available for interpretation. Survey technique was inadequate for positive identification as a wreck. Recommend to update the AWOIS database. Area appears to be scattered with boulders. Wreck is not identified. Defer to AHB compile team for final charting disposition.

COMPILE: AWOIS item 12728 is duplicated by AWOIS item 7755. It is recommended that Item 7755 is deleted from the AWOIS database. AWOIS item 12728 is a charted wreck inside a charted caution area. It is recommended AWOIS 12728, a 71.30 ft non-dangerous wreck, is charted in the present survey position.

1.210) AWOIS 11831 - OBSTRUCTION

No Primary Survey Feature for this AWOIS Item

Search Position: 40° 59' 52.1" N, 073° 25' 01.3" W
Historical Depth: 33.58 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED SUBMERGED ROCK LOCATED IN LAT.
 40-59-52.12N ,LONG. 73-25-01.29W. MULTIBEAM LD OF 33.58 METERS (104.5 FEET).
 EVALUATOR RECOMMENDS CHARTING A 105RK AS SURVEYED. (ENT 45/14/03,
 SJV)

Survey Summary

Charts Affected: 12368_1, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks: No significant rock was found in this area. Search was conducted with complete Reson 7125 MBES.

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 11831	0.00	000.0	Primary
H12412_AWOIS.000	US 0000073133 00001	0.00	000.0	Secondary (grouped)

Hydrographer Recommendations

Remove item from AWOIS DB. Remove charted rock.

S-57 Data

[None]

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Evidence of rocks were identified at this location. Recommend to update AWOIS database and chart survey depths within the common area.

COMPILE: Delete charted 105ft rock. Chart AWOIS 11831, a 103.9ft rock, at survey position.

1.211) AWOIS 14092 - WRECK

No Primary Survey Feature for this AWOIS Item

Search Position: 41° 00' 18.1" N, 073° 22' 44.2" W
Historical Depth: 30.48 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

S00002/02--S-B600-RU--Debris from a ship wreck, Chart 100ft Wk in Lat. 41°00'18.088", Long. 73°22'44.194" (RES 9/21/07).

Survey Summary

Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 14092	0.00	000.0	Primary
H12412_AWOIS.000	US 0000072612 00001	6.69	119.9	Secondary (grouped)

Hydrographer Recommendations

AWOIS item 14092 is listed as distributed remains of a wreck. This no longer resembles a wreck as it appears to be completely silted over.

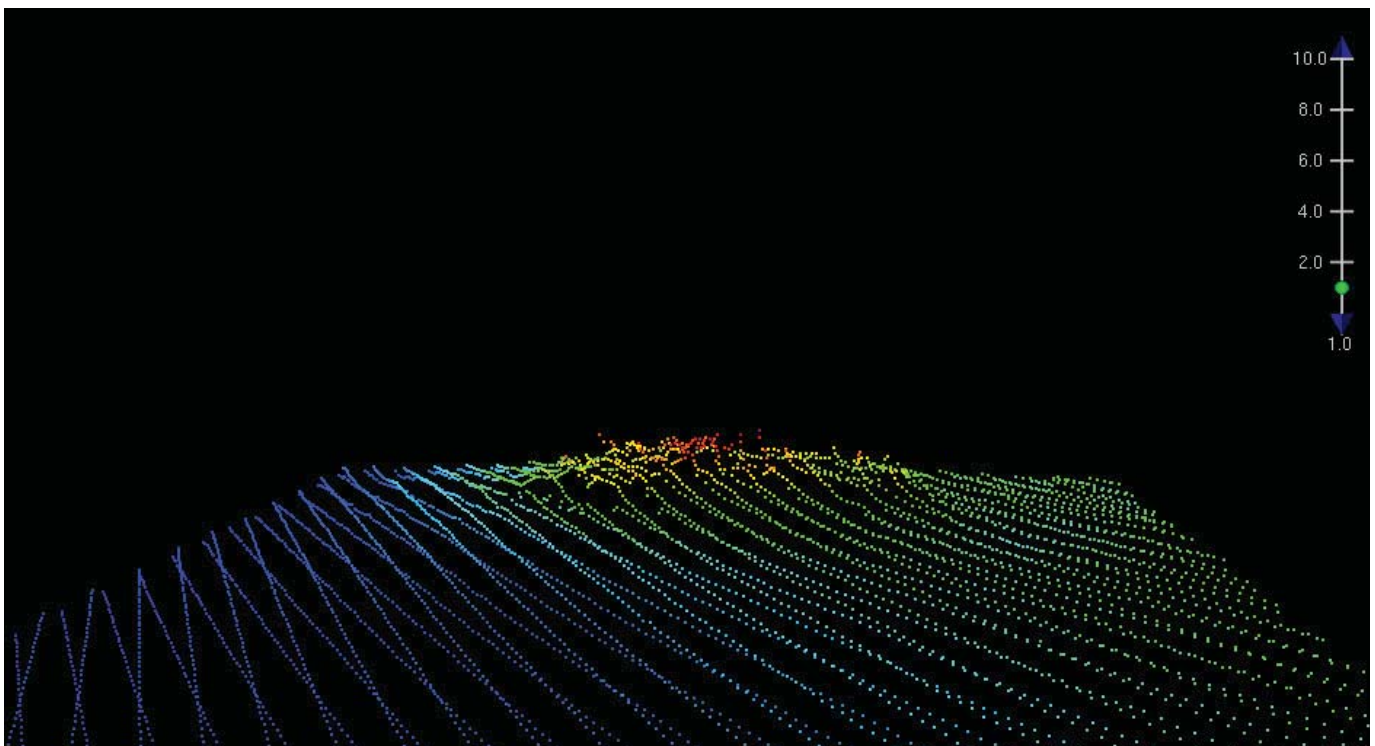
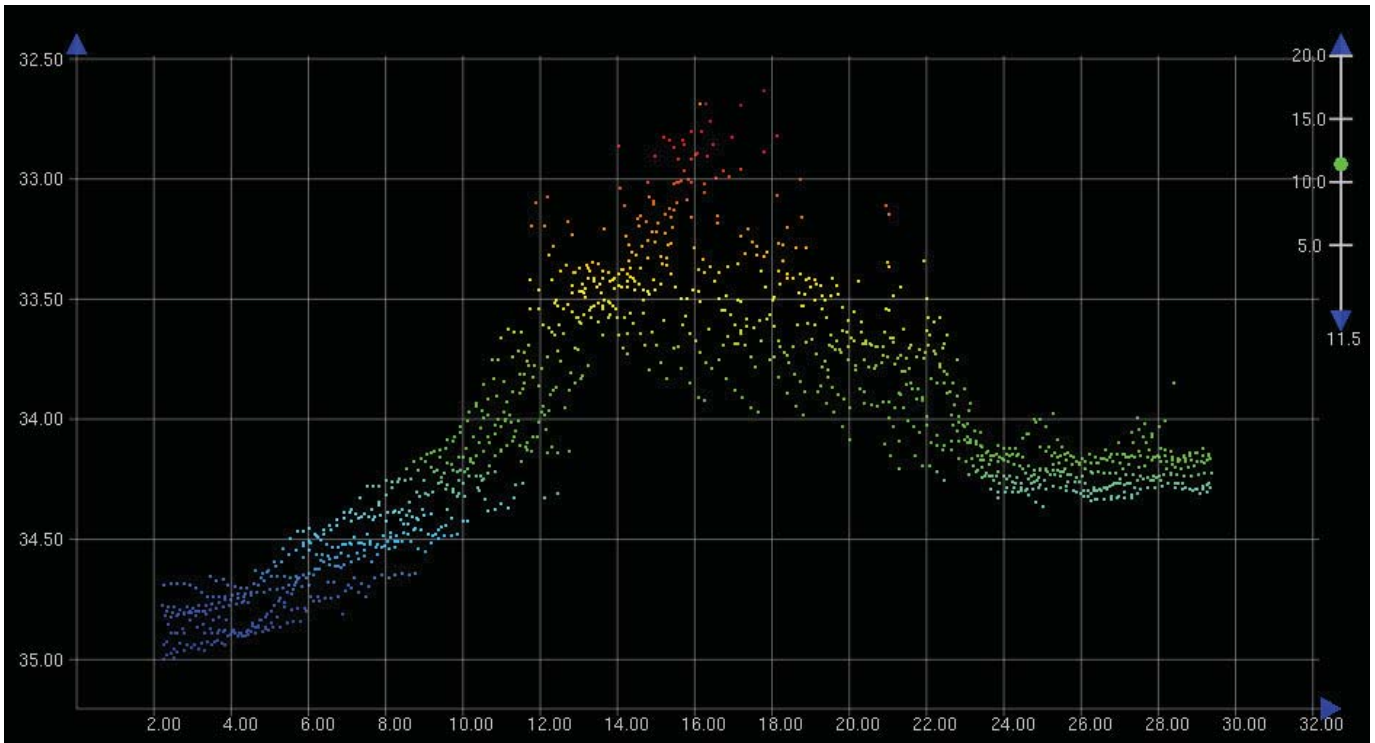
S-57 Data

Maintain in AWOIS DB and leave uncharted.

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Unable to intepret as wreck debris without SSS imagery. Defer to cartographer for final chart exposition.

COMPILE: Delete charted 100ft wreck. Chart AWOIS 14092, a 107ft wreck, at survey position.



1.212) AWOIS 12730 - OBSTRUCTION

No Primary Survey Feature for this AWOIS Item

Search Position: 41° 00' 15.0" N, 073° 25' 04.1" W
Historical Depth: 14.94 m
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY

H10611/95-- OPR-B389-CN; UNCHARTED OBSTRUCTION LOCATED IN LAT. 41-00-15.00N, LONG. 73-25-04.07W. MB LD OF 49.02 FEET (14.94 METERS). (ENT 11/16/04, SJV)

Survey Summary

Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT from H12414	AWOIS # 12730	0.00	000.0	Primary
H12412_addl_Pydro.000	0_0001086358 00001	5.55	235.9	Secondary (grouped)

Hydrographer Recommendations

AWOIS item 11378 is duplicated by AWOIS item 12730. Item 11378 has more recent history.

S-57 Data

Remove from AWOIS db.

Office Notes

SAR NOTES: Do not concur with field unit's assessment to delete from the AWOIS database. Feature is verified by MBES coverage; appears to be man made as the feature includes angled corners and straight edges. Survey data does not validate the charted depth of 47ft. Current survey data indicates a depth rounded to 49ft. Recommend to update the AWOIS database. Defer to cartographer for final chart exposition.

COMPILE: AWOIS item 12730 is a duplicate of AWOIS item 11378. Delete duplicate AWOIS database entry for item 12730. No charting action.

H12412 Danger to Navigation

Registry Number: H12412
State: Connecticut
Locality: Long Island Sound
Sub-locality: Offshore of Norwalk, CT
Project Number: OPR-B340-TJ-12
Survey Dates: 08/25/2012 - 09/27/2012

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
12365	27th	09/01/2012	1:20,000 (12365_1)	USCG LNM: 10/8/2013 (11/12/2013) CHS NTM: None (10/25/2013) NGA NTM: 5/10/1997 (11/30/2013)
12368	28th	06/01/2013	1:20,000 (12368_1)	USCG LNM: 10/8/2013 (11/12/2013) CHS NTM: None (10/25/2013) NGA NTM: None (11/30/2013)
12364	38th	07/01/2008	1:40,000 (12364_8) 1:40,000 (12364_20)	[L]NTM: ?
12363	40th	06/01/2005	1:80,000 (12363_1)	[L]NTM: ?
12300	47th	05/01/2008	1:400,000 (12300_1)	[L]NTM: ?
13006	34th	05/01/2007	1:675,000 (13006_1)	[L]NTM: ?
5161	13th	10/01/2003	1:1,058,400 (5161_1)	[L]NTM: ?
13003	49th	04/01/2007	1:1,200,000 (13003_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	55ft Wreck	Wreck	16.98 m	41° 01' 21.2" N	073° 27' 12.3" W	---
1.2	57ft rock	GP	[None]	40° 58' 32.0" N	073° 26' 12.1" W	---
1.3	28ft rock	GP	[None]	40° 58' 29.9" N	073° 23' 30.3" W	---

1.1) 55ft Wreck

DANGER TO NAVIGATION

Survey Summary

Survey Position: 41° 01' 21.2" N, 073° 27' 12.3" W
Least Depth: 16.98 m (= 55.69 ft = 9.282 fm = 9 fm 1.69 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_dton_compile.000
FOID: 0_0001086464_00001(FFFE001094000001)

Charts Affected: 12368_1, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck was found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_dton_compile.000	0_0001086464_00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a wreck.

Cartographically-Rounded Depth (Affected Charts):

55ft (12368_1, 12364_8, 12363_1)

9 ¼fm (12300_1, 13006_1, 13003_1)

17.0m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 2:dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wreck

QUASOU - 6:least depth known
SORDAT - 20120927
SORIND - US,US,graph,H12412
TECSOU - 3:found by multi-beam
VALSOU - 16.975 m
WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is verified and significant.

COMPILE: Chart Danger to Navigation, a 55.7ft wreck, at survey position.

Feature Images

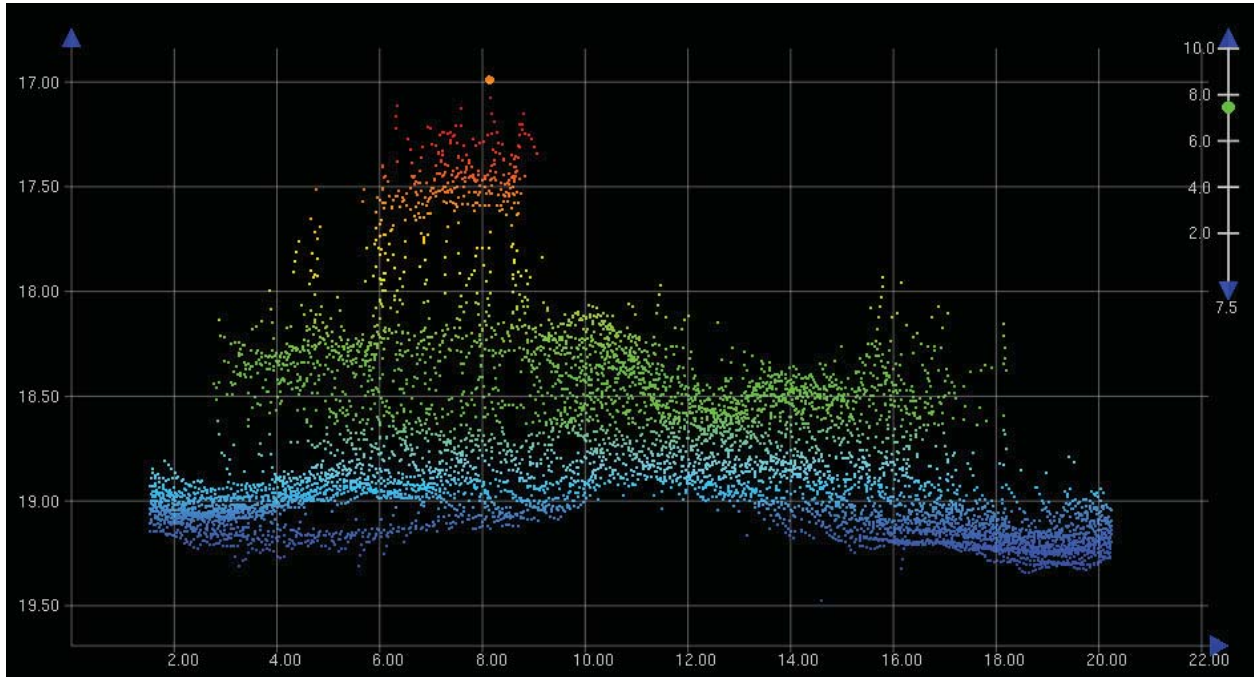


Figure 1.1.1

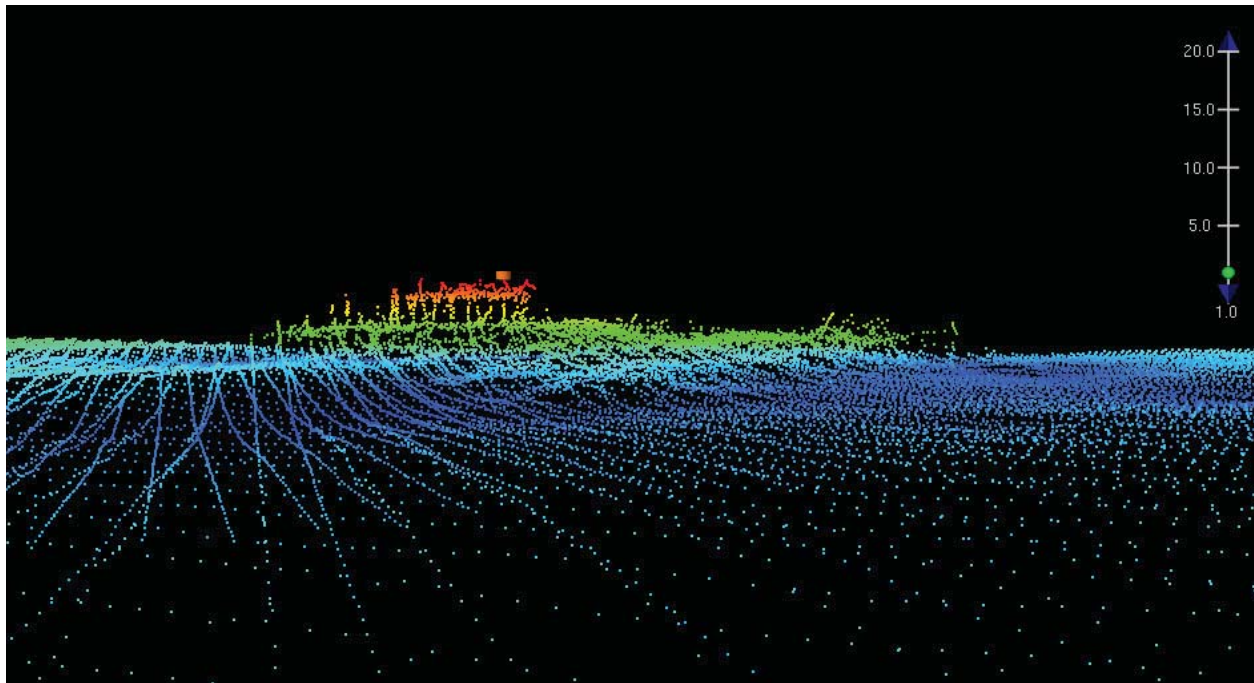


Figure 1.1.2

1.2) 57ft rock

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40° 58' 32.0" N, 073° 26' 12.1" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
Dataset: H12412_dton_compile.000
FOID: 0_ 0001086463 00001(FFFE001093FF0001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_dton_compile.000	0_ 0001086463 00001	0.00	000.0	Primary

Hydrographer Recommendations

[None]

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)

Office Notes

COMPILE: Danger submitted during SAR review. Delete charted 57ft rock. Chart as a 57ft sounding.

1.3) 28ft rock

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40° 58' 29.9" N, 073° 23' 30.3" W
Least Depth: [None]
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 1981-001.00:00:00.000 (01/01/1981)
Dataset: H12412_dton_compile.000
FOID: 0_0001086462 00001(FFFE001093FE0001)
Charts Affected: 12365_1, 12364_20, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_dton_compile.000	0_0001086462 00001	0.00	000.0	Primary

Hydrographer Recommendations

[None]

S-57 Data

Geo object 1: Cartographic symbol (\$CSYMB)

Office Notes

COMPILE: Danger submitted during SAR review. Delete charted 28ft rock. Chart as a 28ft sounding.

H12412 Wrecks

Registry Number: H12412
State: Connecticut
Locality: Long Island Sound
Sub-locality: Offshore of Norwalk, CT
Project Number: OPR-B340-TJ-12
Survey Date: 08-25-2012 - 09/27/2012

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
12365	27th	09/01/2012	1:20,000 (12365_1)	USCG LNM: 10/8/2013 (11/12/2013) CHS NTM: None (10/25/2013) NGA NTM: 5/10/1997 (11/30/2013)
12368	28th	06/01/2013	1:20,000 (12368_1)	USCG LNM: 10/8/2013 (11/12/2013) CHS NTM: None (10/25/2013) NGA NTM: None (11/30/2013)
12364	38th	07/01/2008	1:40,000 (12364_8) 1:40,000 (12364_20)	[L]NTM: ?
12363	40th	06/01/2005	1:80,000 (12363_1)	[L]NTM: ?
12300	47th	05/01/2008	1:400,000 (12300_1)	[L]NTM: ?
13006	34th	05/01/2007	1:675,000 (13006_1)	[L]NTM: ?
5161	13th	10/01/2003	1:1,058,400 (5161_1)	[L]NTM: ?
13003	49th	04/01/2007	1:1,200,000 (13003_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	66ft Wreck	Wreck	20.32 m	40° 58' 59.4" N	073° 25' 53.1" W	---
1.2	69ft Wreck	Wreck	21.09 m	40° 58' 55.5" N	073° 25' 36.1" W	---
1.3	52ft Wreck	Wreck	15.80 m	41° 00' 39.1" N	073° 25' 23.5" W	---
1.4	85ft Wreck	Wreck	25.85 m	40° 59' 01.0" N	073° 25' 08.7" W	---
1.5	107ft Wreck	Wreck	32.83 m	40° 59' 28.4" N	073° 24' 46.6" W	---
1.6	103ft Wreck2	Wreck	31.79 m	40° 59' 35.1" N	073° 24' 34.8" W	---

1.7	93ft Wreck	Wreck	28.40 m	40° 59' 05.5" N	073° 24' 33.3" W	---
1.8	86ft Wreck	Wreck	26.24 m	40° 59' 16.7" N	073° 24' 32.9" W	---
1.9	87ft Wreck	Wreck	26.57 m	40° 59' 29.9" N	073° 24' 32.4" W	---
1.10	103ft Wreck	Wreck	30.84 m	40° 59' 36.4" N	073° 24' 28.2" W	---
1.11	104ft Wreck	Wreck	31.91 m	40° 59' 38.5" N	073° 24' 26.7" W	---
1.12	106ft Wreck	Wreck	32.27 m	40° 59' 39.2" N	073° 24' 22.6" W	---
1.13	89ft Wreck	Wreck	27.21 m	40° 59' 36.2" N	073° 24' 22.3" W	---
1.14	105ft Wreck	Wreck	32.05 m	40° 59' 43.8" N	073° 24' 18.1" W	---
1.15	161ft Wreck	Wreck	48.29 m	41° 00' 14.5" N	073° 23' 56.3" W	---
1.16	120ft Wreck	Wreck	36.11 m	41° 00' 45.5" N	073° 23' 16.4" W	---
1.17	Silted Wreck 3	Wreck	38.61 m	41° 00' 19.1" N	073° 23' 14.8" W	---
1.18	95ft Wreck	Wreck	28.91 m	41° 00' 07.0" N	073° 22' 22.0" W	---

1.1) 66ft Wreck

Survey Summary

Survey Position: 40° 58' 59.4" N, 073° 25' 53.1" W
Least Depth: 20.32 m (= 66.66 ft = 11.111 fm = 11 fm 0.66 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086478 00001(FFFE0010940E0001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086478 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a wreck.

Cartographically-Rounded Depth (Affected Charts):

66ft (12365_1, 12364_20, 12364_8, 12363_1)

11fm (12300_1, 13006_1, 13003_1)

20.3m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 2:dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 20.319 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Chart 66.66ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

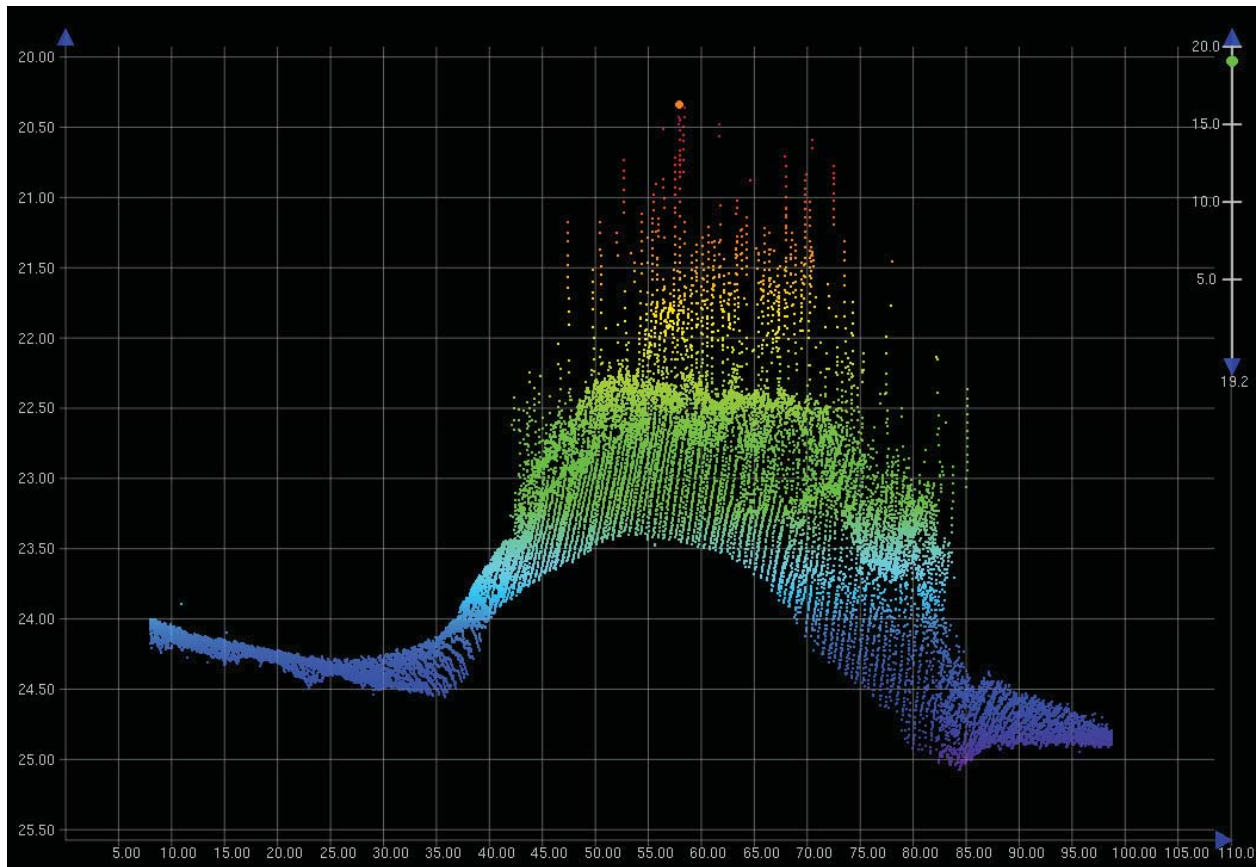


Figure 1.1.1

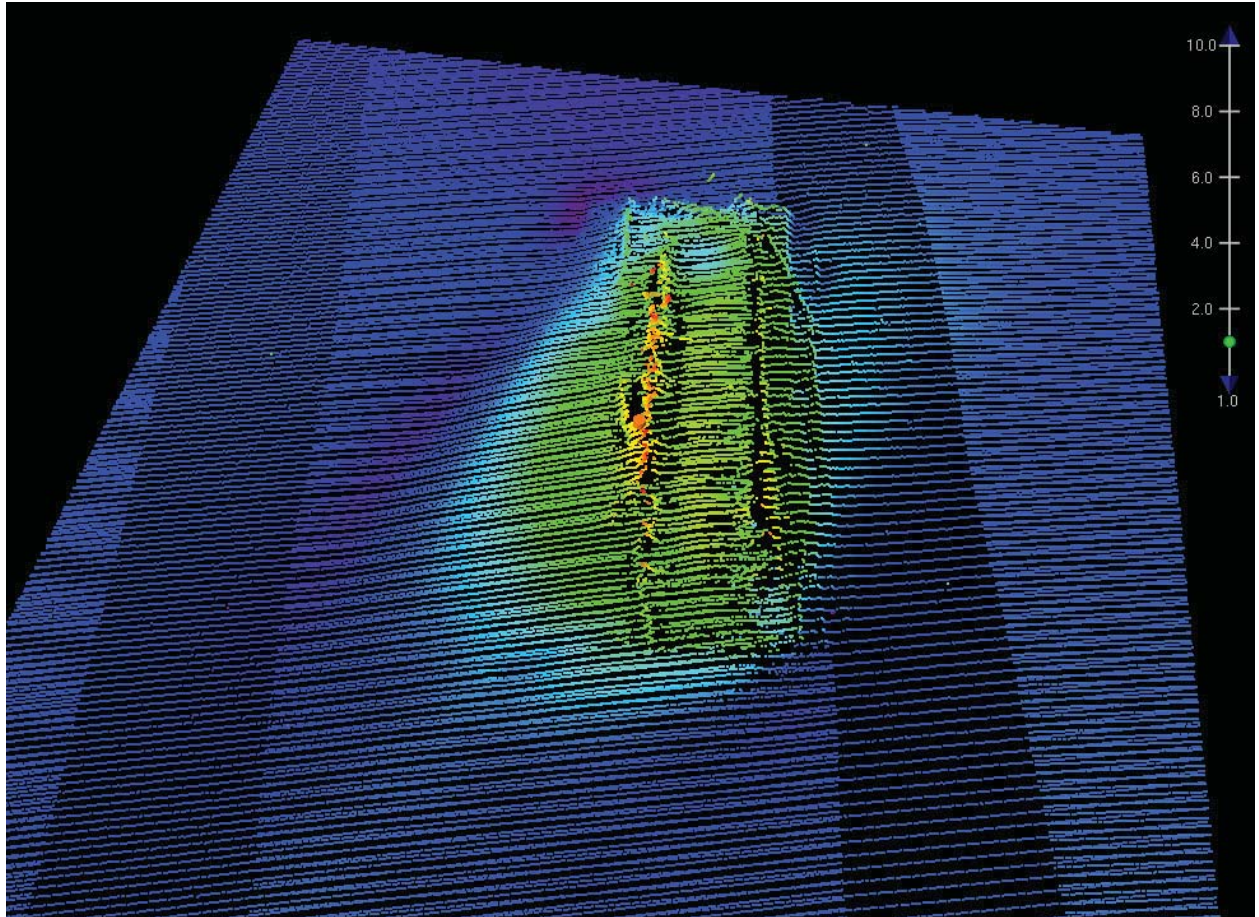


Figure 1.1.2

1.2) 69ft Wreck

Survey Summary

Survey Position: 40° 58' 55.5" N, 073° 25' 36.1" W
Least Depth: 21.09 m (= 69.19 ft = 11.532 fm = 11 fm 3.19 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086477 00001(FFFE0010940D0001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086477 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a wreck.

Cartographically-Rounded Depth (Affected Charts):

69ft (12365_1, 12364_20, 12364_8, 12363_1)

11fm (12300_1, 13006_1, 13003_1)

21m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 21.090 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Data points indicate the wreck's hull design is a sailing vessel, approximately 118ft long.

COMPILE: Chart 69.19ft wreck at survey position.

Feature Images

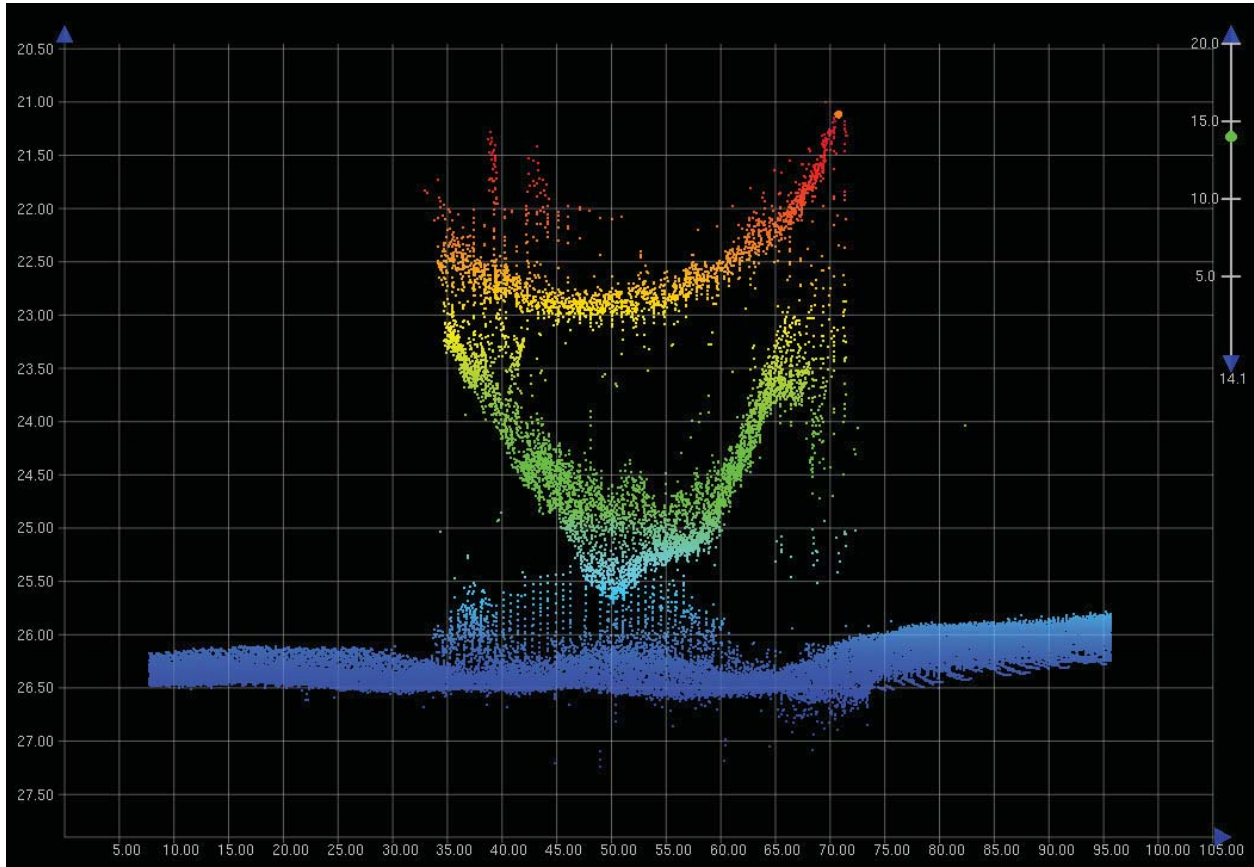


Figure 1.2.1

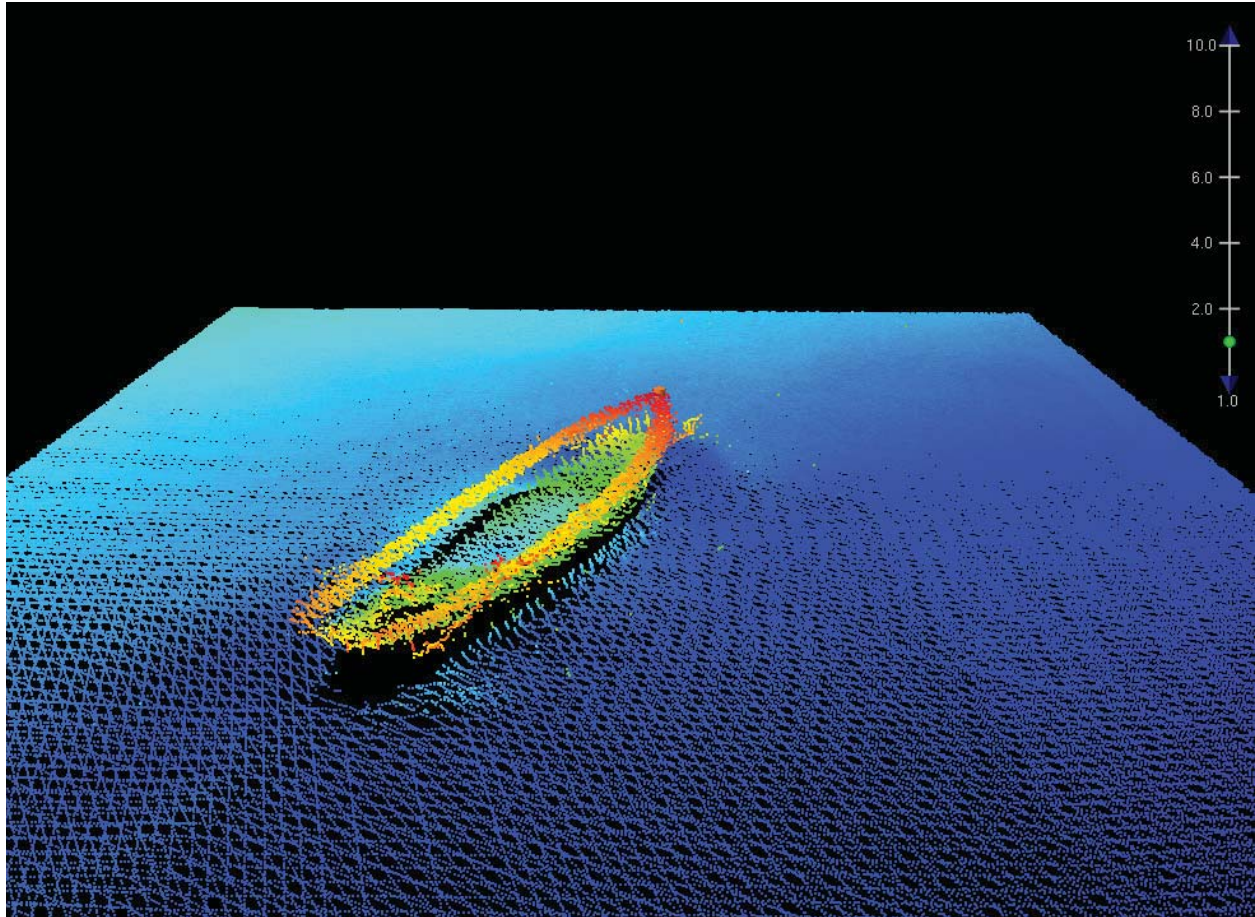


Figure 1.2.2

1.3) 52ft Wreck

Survey Summary

Survey Position: 41° 00' 39.1" N, 073° 25' 23.5" W
Least Depth: 15.80 m (= 51.82 ft = 8.637 fm = 8 fm 3.82 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086474 00001(FFFE0010940A0001)
Charts Affected: 12368_1, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Chart a non-dangerous wreck.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086474 00001	0.00	000.0	Primary

Hydrographer Recommendations

Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Cartographically-Rounded Depth (Affected Charts):

52ft (12368_1, 12364_8, 12363_1)
 8 ½fm (12300_1, 13006_1, 13003_1)
 15.8m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 2:dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 15.796 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Feature lies on contour. Defer to cartographer for final chart exposition.

COMPILE: Chart 51.82ft wreck at survey position.

Feature Images

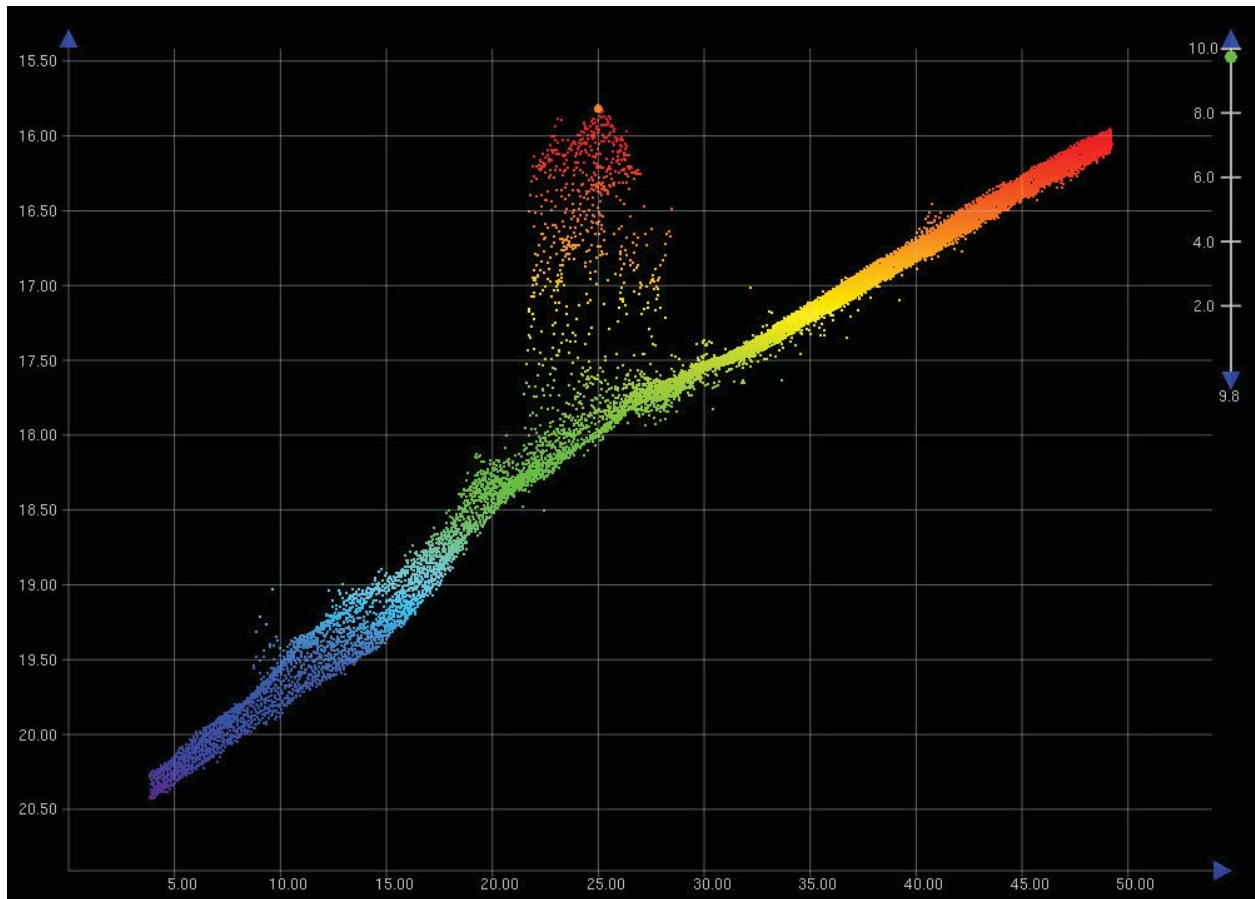


Figure 1.3.1

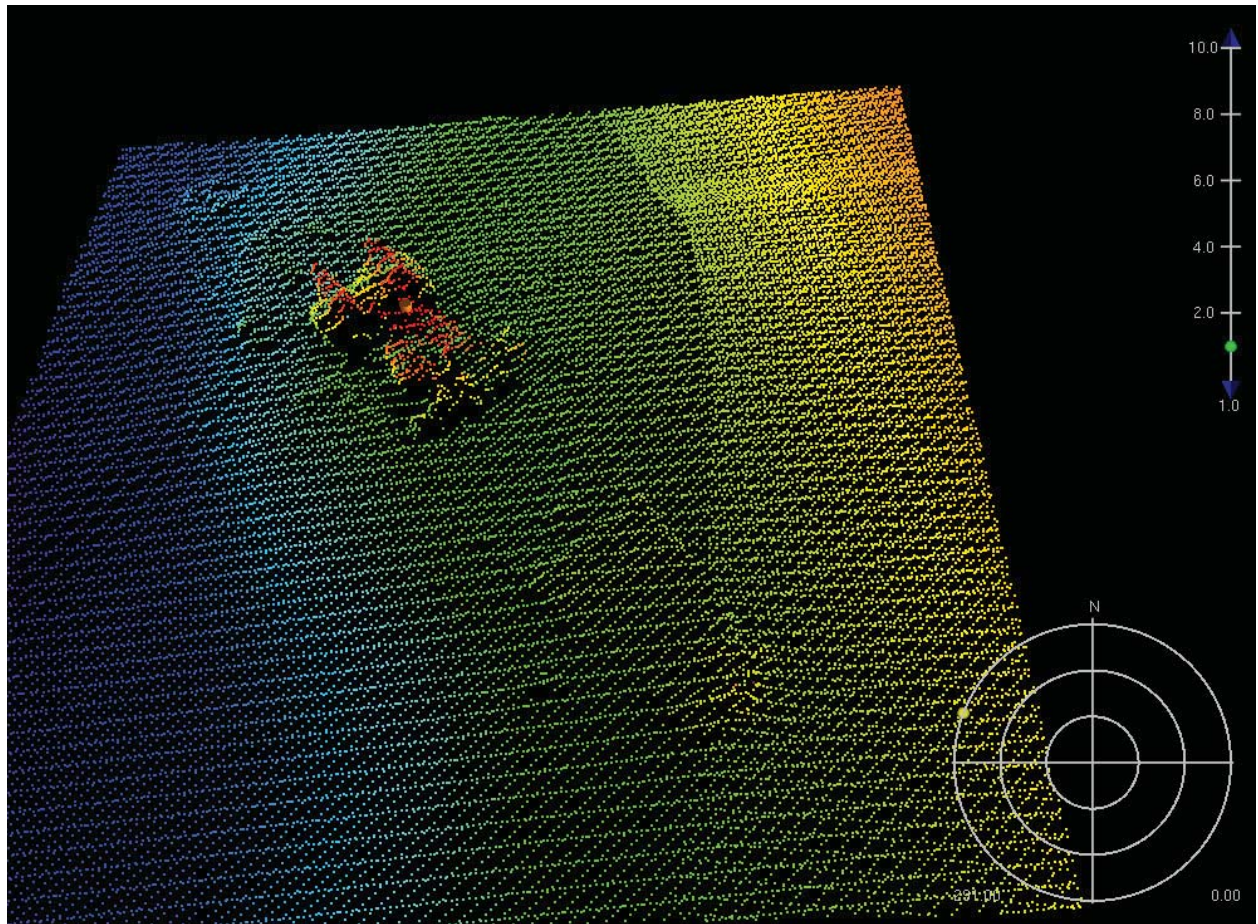


Figure 1.3.2

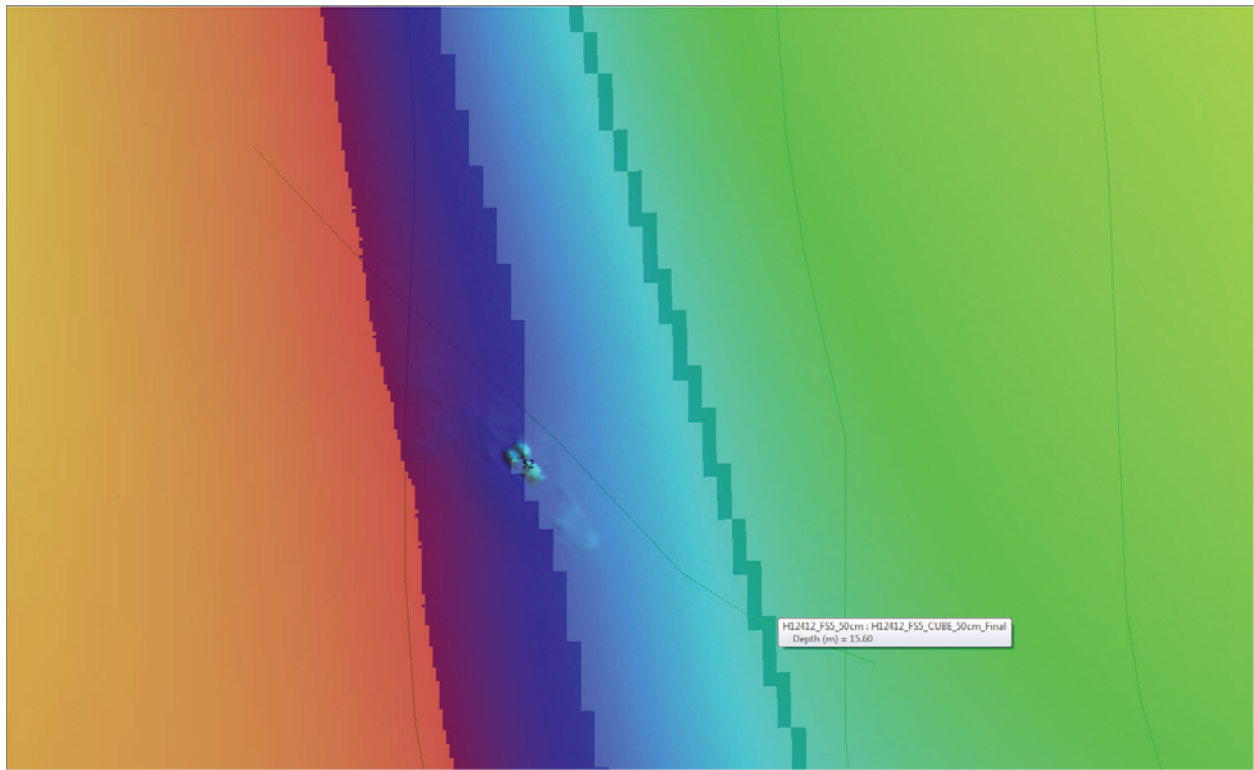


Figure 1.3.3

1.4) 85ft Wreck

Survey Summary

Survey Position: 40° 59' 01.0" N, 073° 25' 08.7" W
Least Depth: 25.85 m (= 84.80 ft = 14.133 fm = 14 fm 0.80 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086483 00001(FFFE001094130001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086483 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a wreck.

Cartographically-Rounded Depth (Affected Charts):

85ft (12365_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

26m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 25.846 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Chart 84.8ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

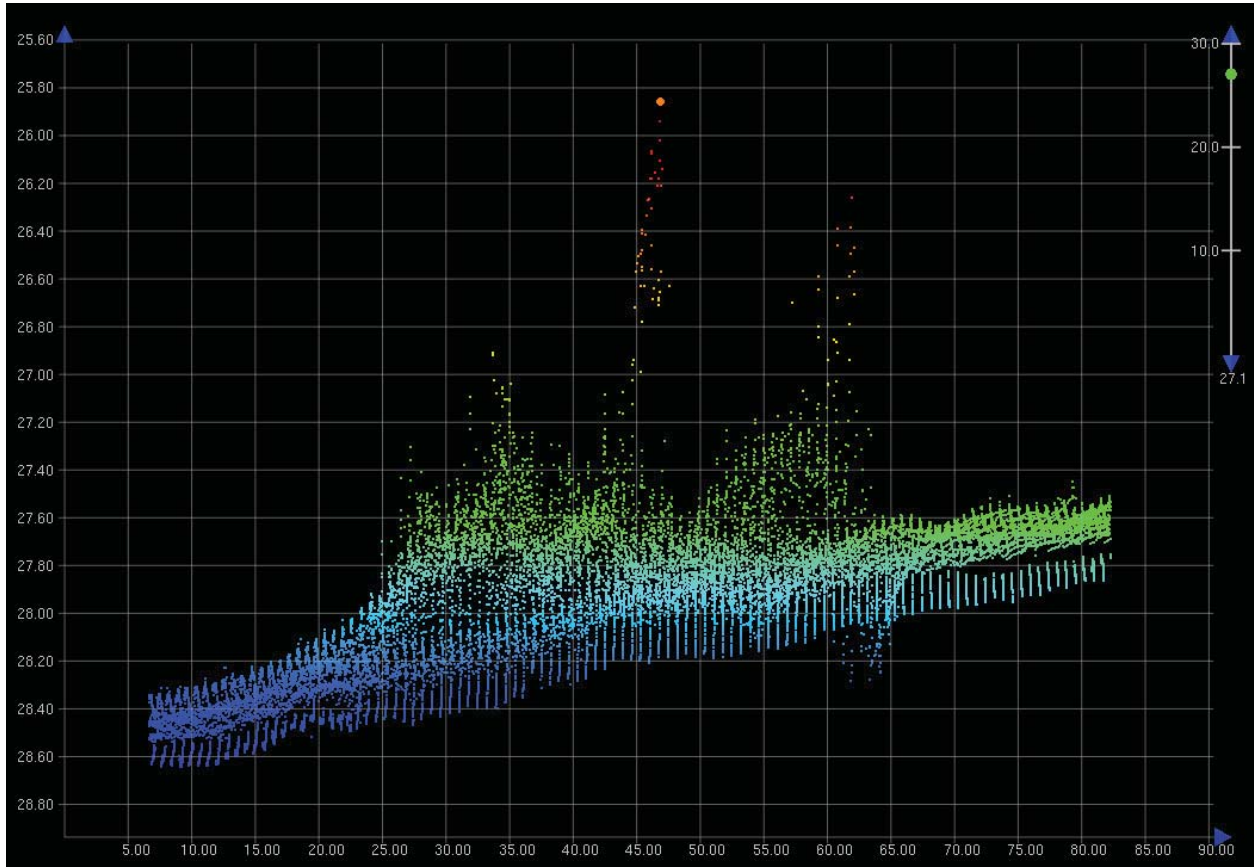


Figure 1.4.1

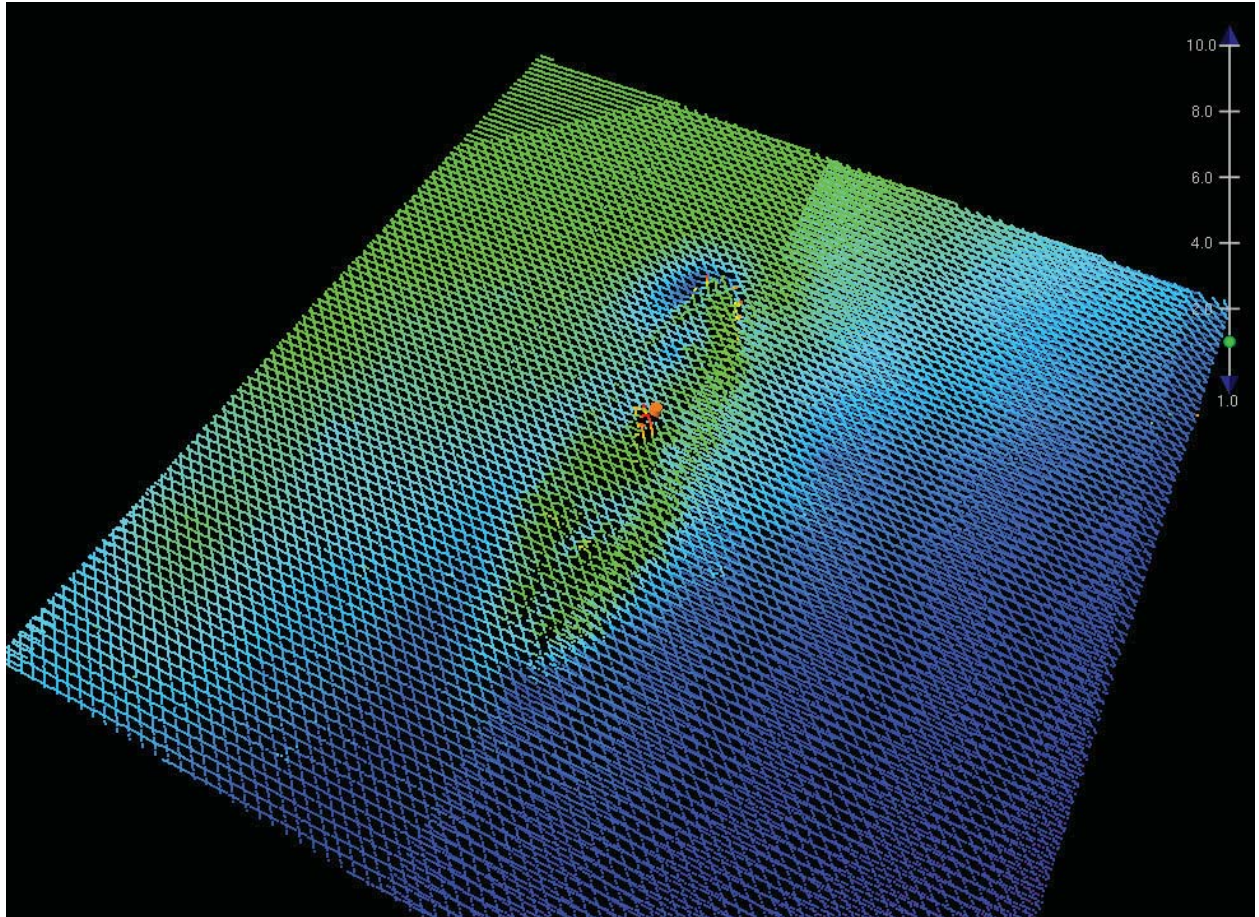


Figure 1.4.2

1.5) 107ft Wreck

Survey Summary

Survey Position: 40° 59' 28.4" N, 073° 24' 46.6" W
Least Depth: 32.83 m (= 107.69 ft = 17.949 fm = 17 fm 5.69 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086471 00001(FFFE001094070001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086471 00001	0.00	000.0	Primary

Hydrographer Recommendations

There is no charting recommendation as the chart notes numerous uncharted wrecks in the area.

Cartographically-Rounded Depth (Affected Charts):

107ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

18fm (12300_1, 13006_1, 13003_1)

33m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 32.825 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Feature appears to be upside down and can be interpreted as a benthic mound.

COMPILE: Chart 107.69ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

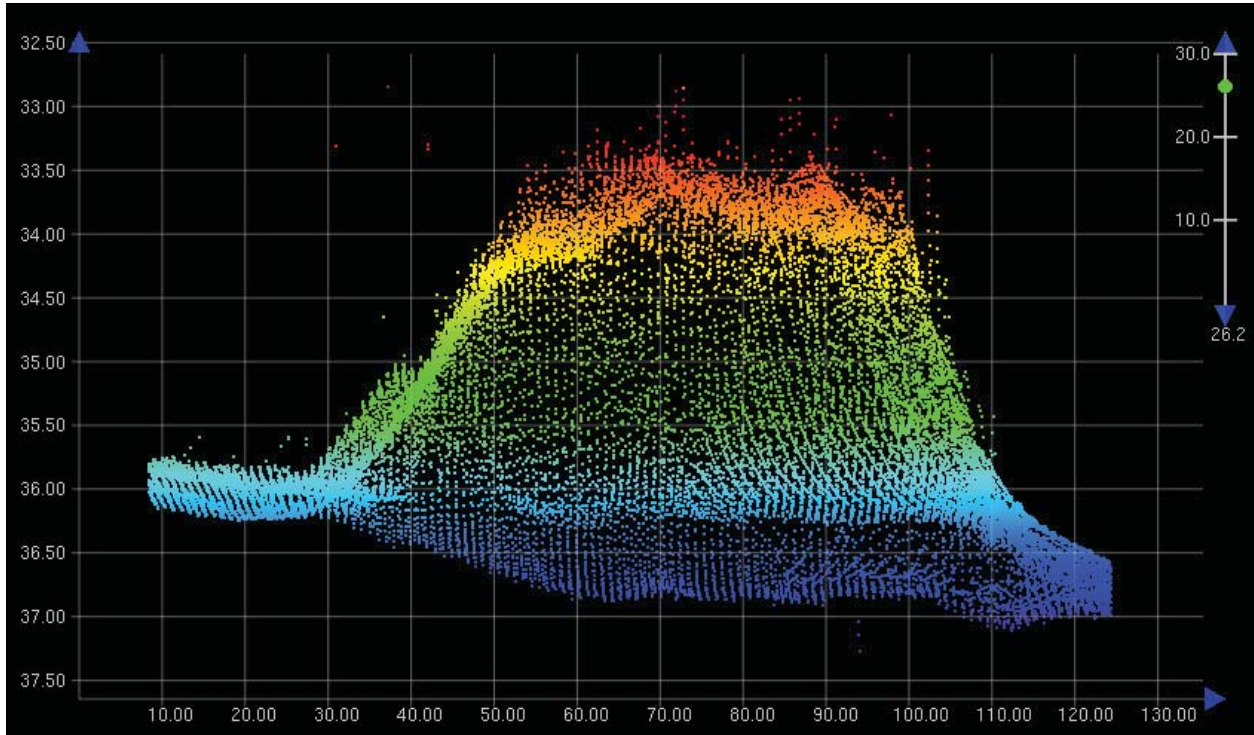


Figure 1.5.1

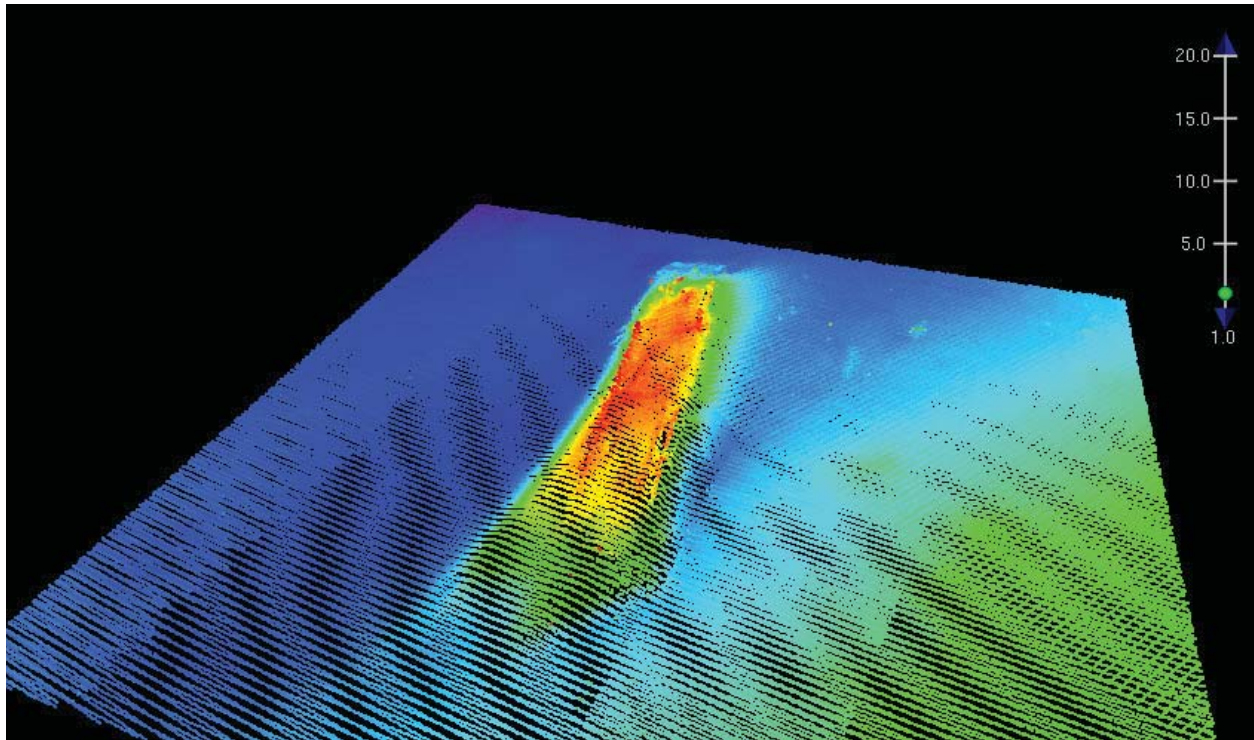


Figure 1.5.2

1.6) 103ft Wreck2

Survey Summary

Survey Position: 40° 59' 35.1" N, 073° 24' 34.8" W
Least Depth: 31.79 m (= 104.28 ft = 17.381 fm = 17 fm 2.28 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086476 00001(FFFE0010940C0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086476 00001	0.00	000.0	Primary

Hydrographer Recommendations

There is no charting recommendation as the chart notes numerous wreck in the area.

Cartographically-Rounded Depth (Affected Charts):

104ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 31.786 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Do not concur on the least depth; revised to 104ft Wk.

COMPILE: Do not chart 104.28ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

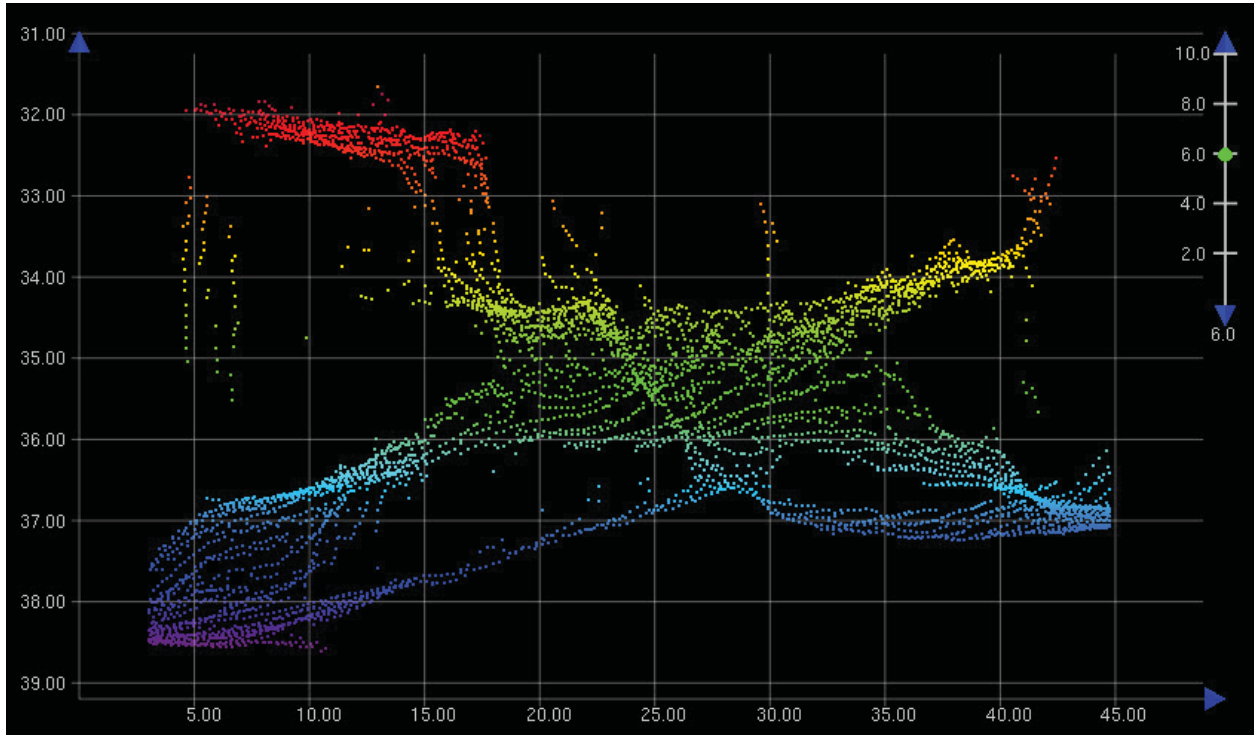


Figure 1.6.1

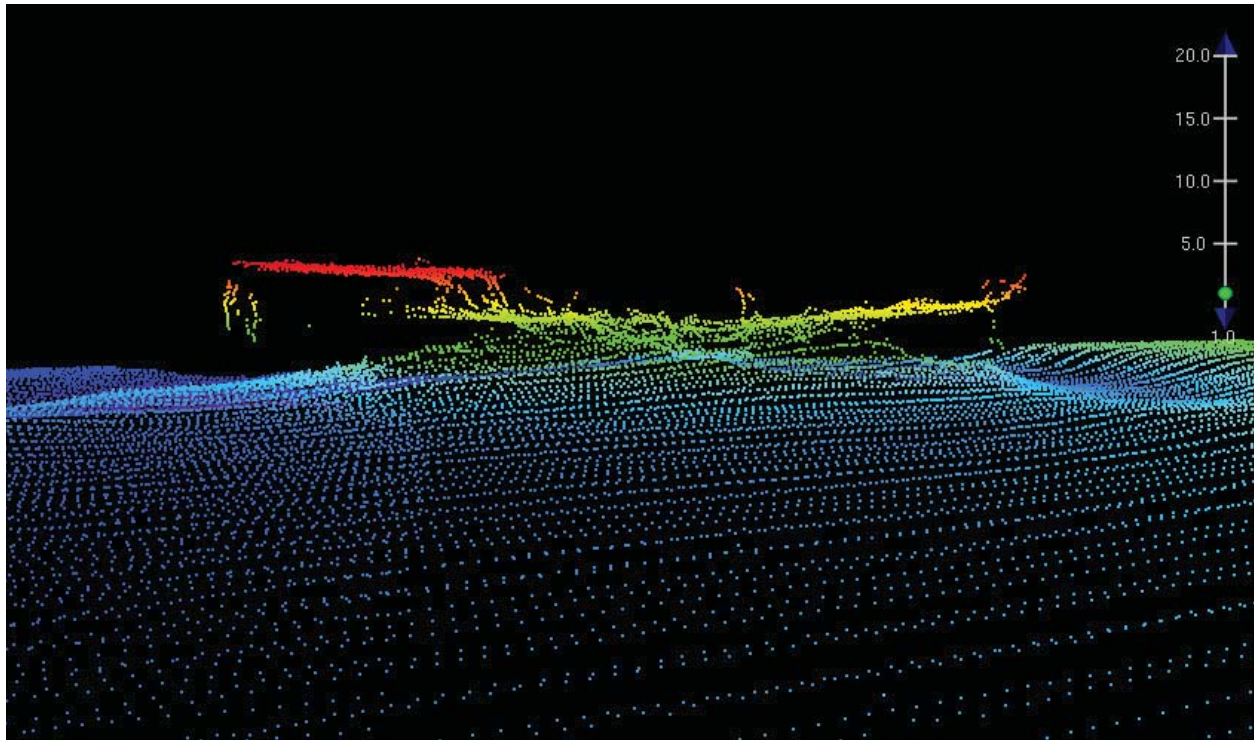


Figure 1.6.2

1.7) 93ft Wreck

Survey Summary

Survey Position: 40° 59' 05.5" N, 073° 24' 33.3" W
Least Depth: 28.40 m (= 93.16 ft = 15.527 fm = 15 fm 3.16 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086484 00001(FFFE001094140001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086484 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

93ft (12365_1, 12364_20, 12364_8, 12363_1)

15fm (12300_1, 13006_1, 13003_1)

28m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 28.396 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Although the feature exists, the wreck appears to deteriorated. Recommend to represent the feature as a sounding. Data interpretation can not confirm feature as a wreck.

COMPILE: Chart 93.16ft wreck at survey position.

Feature Images

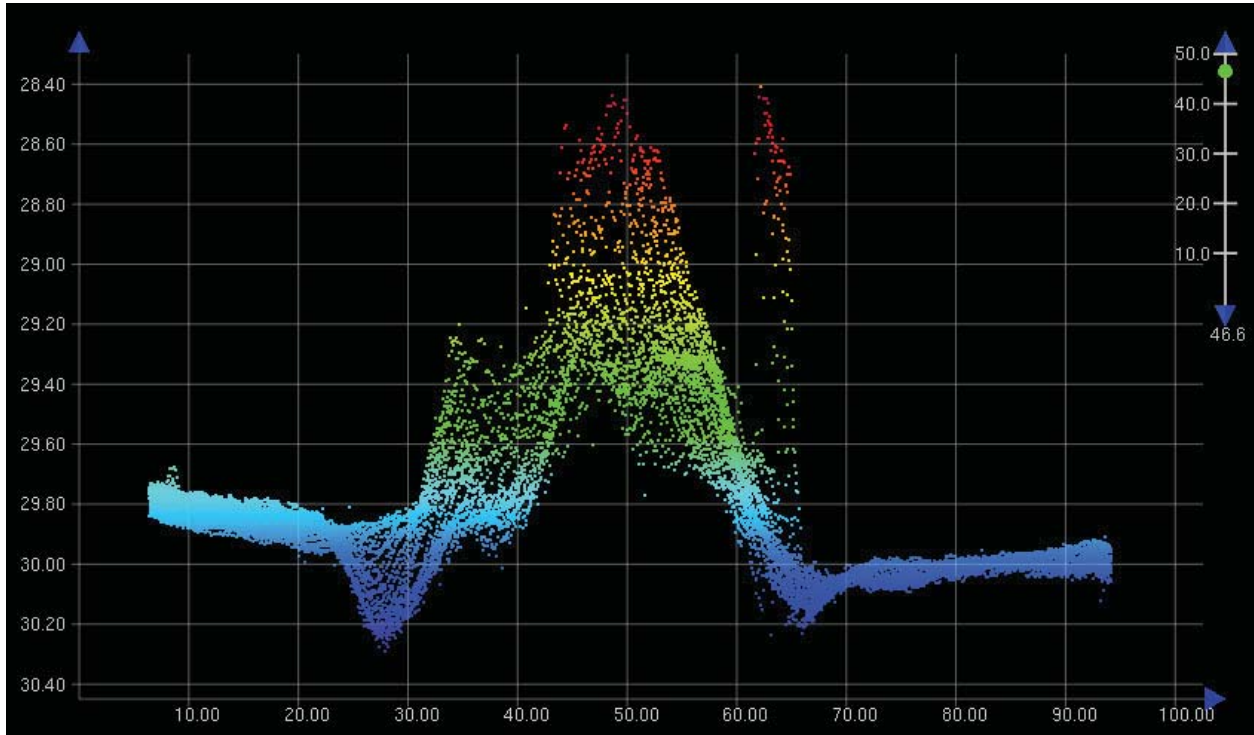


Figure 1.7.1

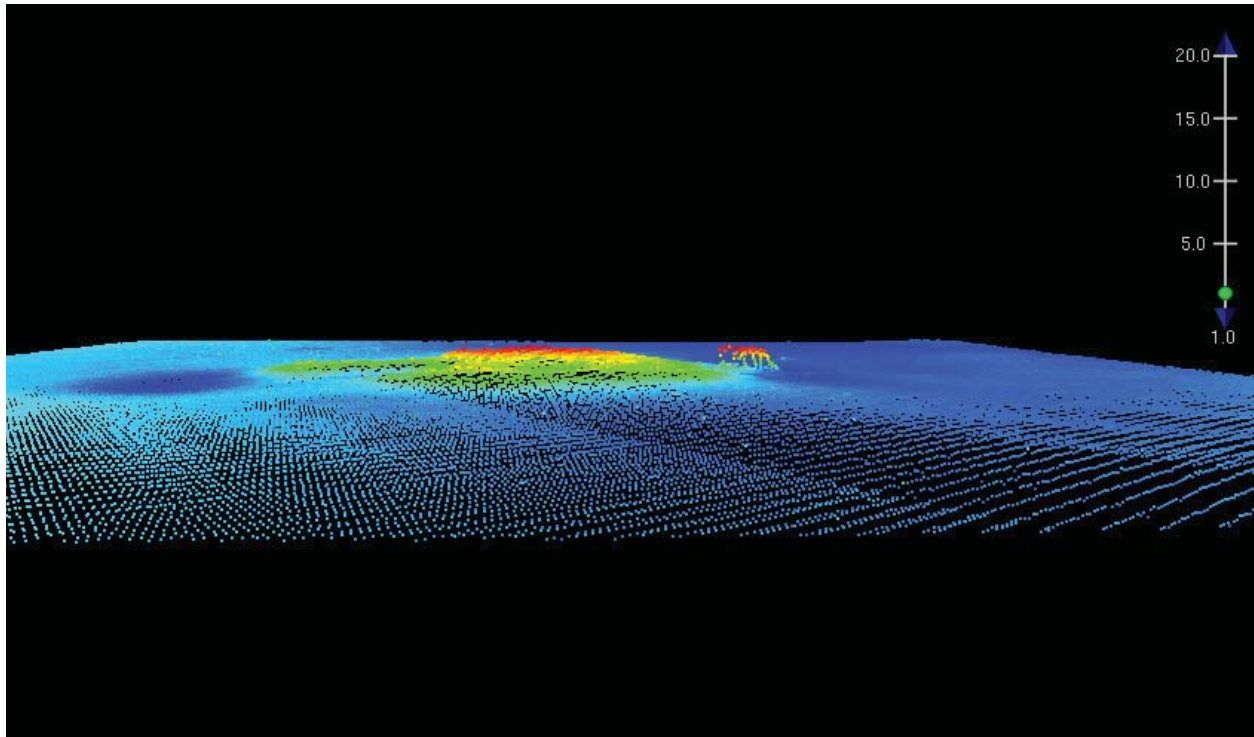


Figure 1.7.2

1.8) 86ft Wreck

Survey Summary

Survey Position: 40° 59' 16.7" N, 073° 24' 32.9" W
Least Depth: 25.95 m (= 85.15 ft = 14.347 fm = 14 fm 2.08 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086479 00001(FFFE0010940F0001)
Charts Affected: 12365_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086479 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

85ft (12365_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

26m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 25.951 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Chart 85.15ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

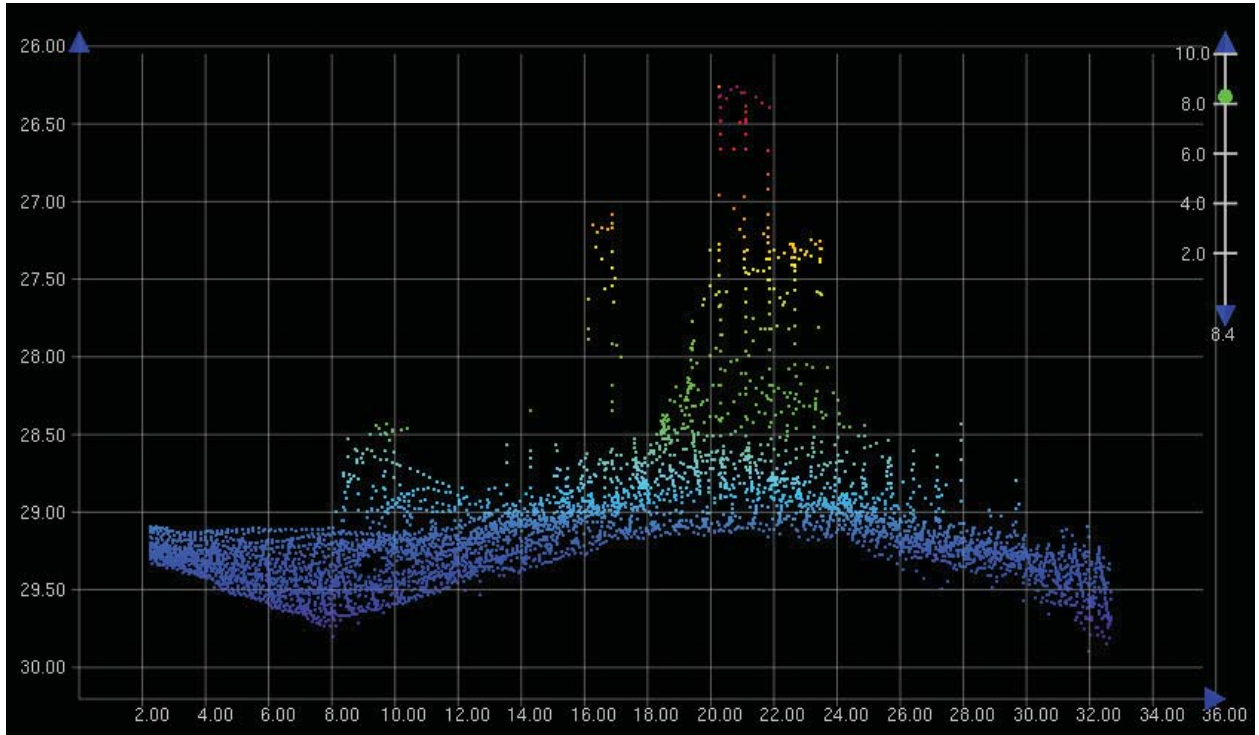


Figure 1.8.1

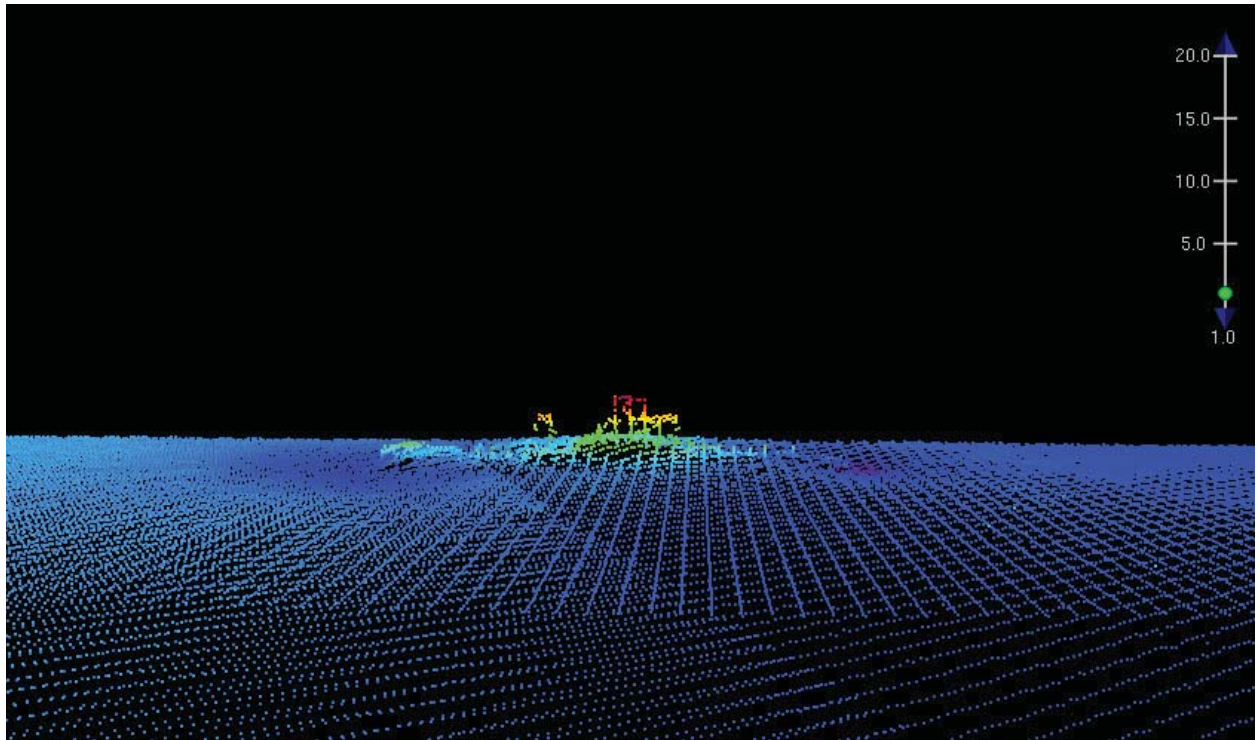


Figure 1.8.2

1.9) 87ft Wreck

Survey Summary

Survey Position: 40° 59' 29.9" N, 073° 24' 32.4" W
Least Depth: 26.57 m (= 87.17 ft = 14.529 fm = 14 fm 3.17 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086472 00001(FFFE001094080001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086472 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

87ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

14fm (12300_1, 13006_1, 13003_1)

27m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 26.570 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Chart 87.17ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

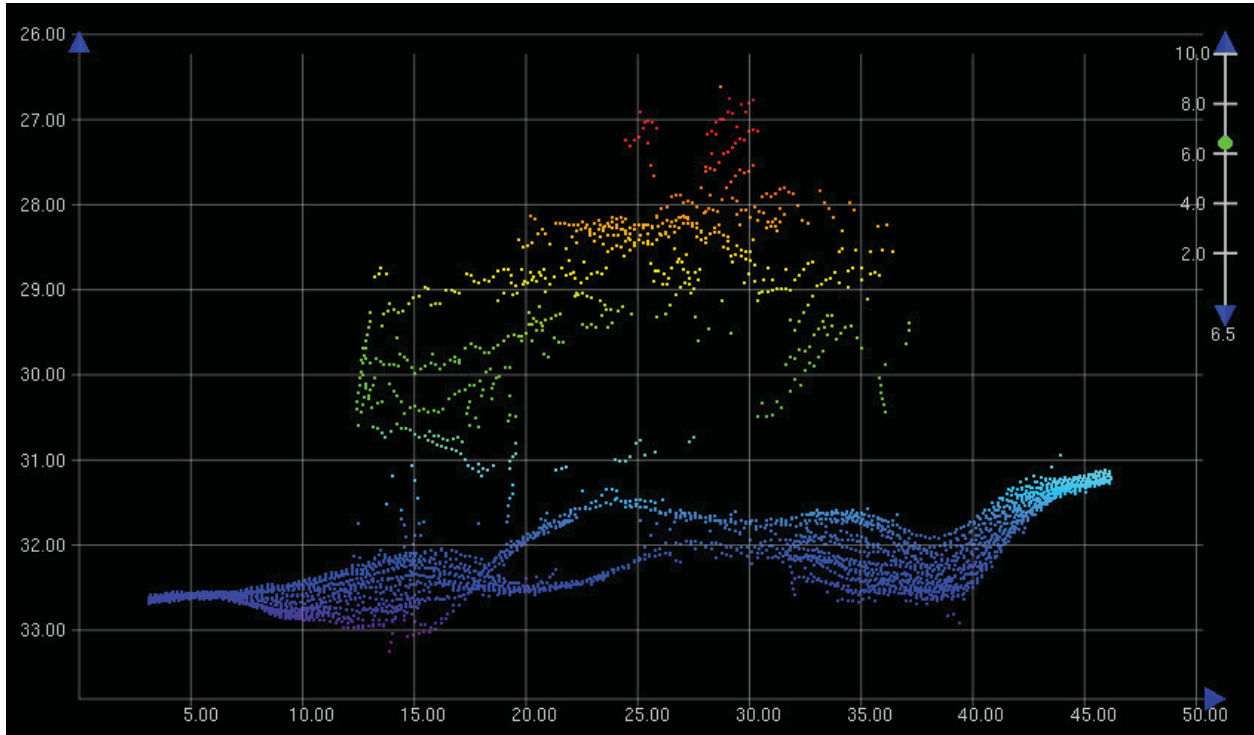


Figure 1.9.1

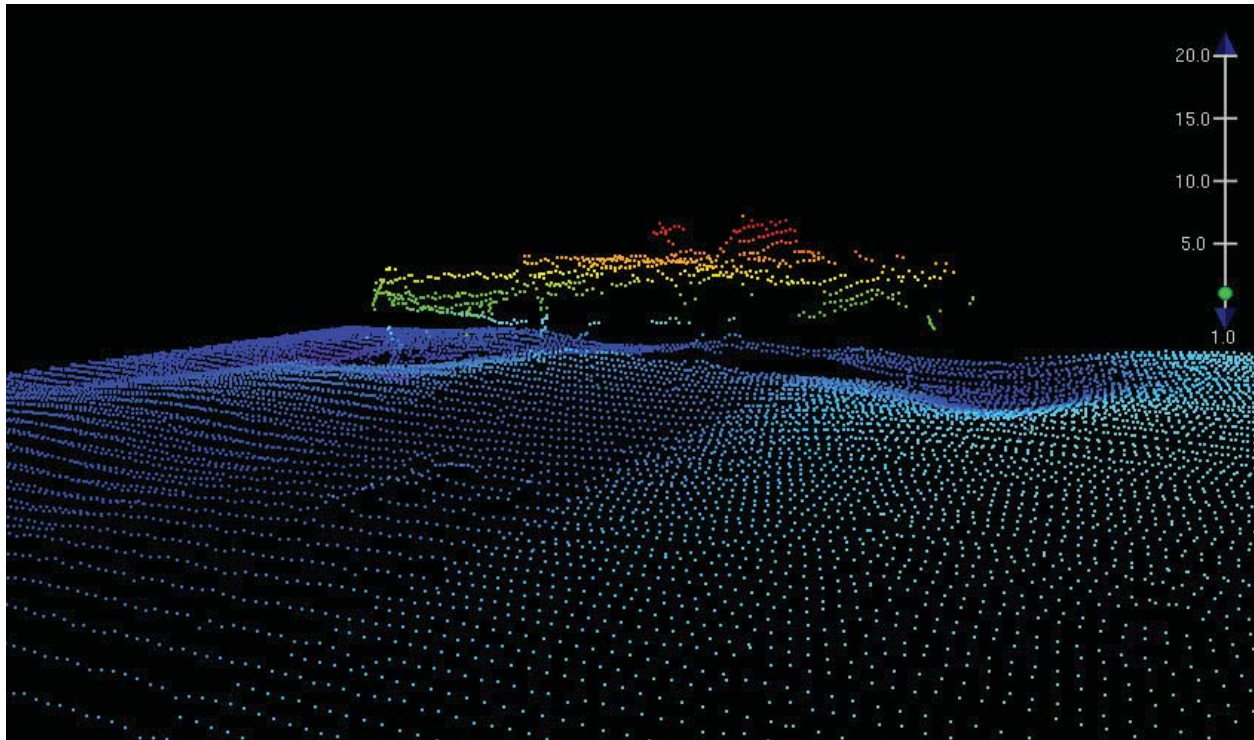


Figure 1.9.2

1.10) 103ft Wreck

Survey Summary

Survey Position: 40° 59' 36.4" N, 073° 24' 28.2" W
Least Depth: 30.84 m (= 101.18 ft = 16.864 fm = 16 fm 5.18 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086469 00001(FFFE001094050001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086469 00001	0.00	000.0	Primary

Hydrographer Recommendations

Leave uncharted as the chart note numerous wrecks in the area.

Cartographically-Rounded Depth (Affected Charts):

101ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

31m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 30.841 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Do not chart the 101.18ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

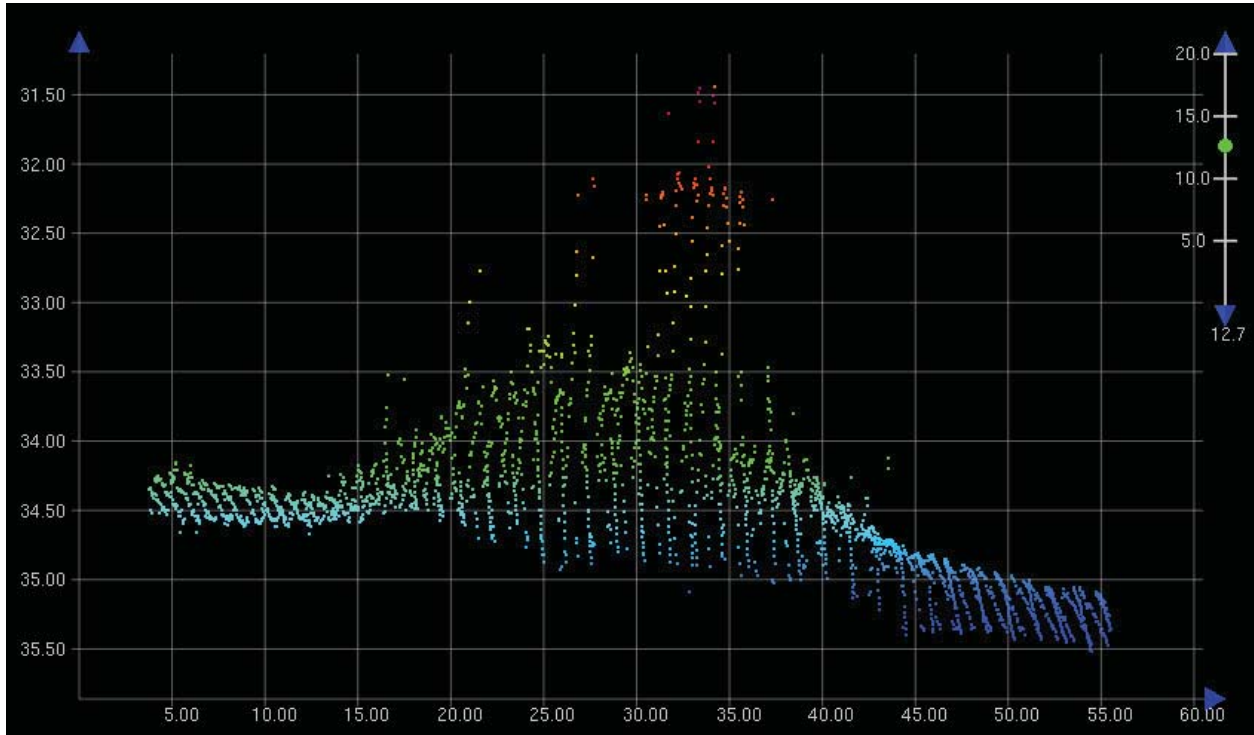


Figure 1.10.1

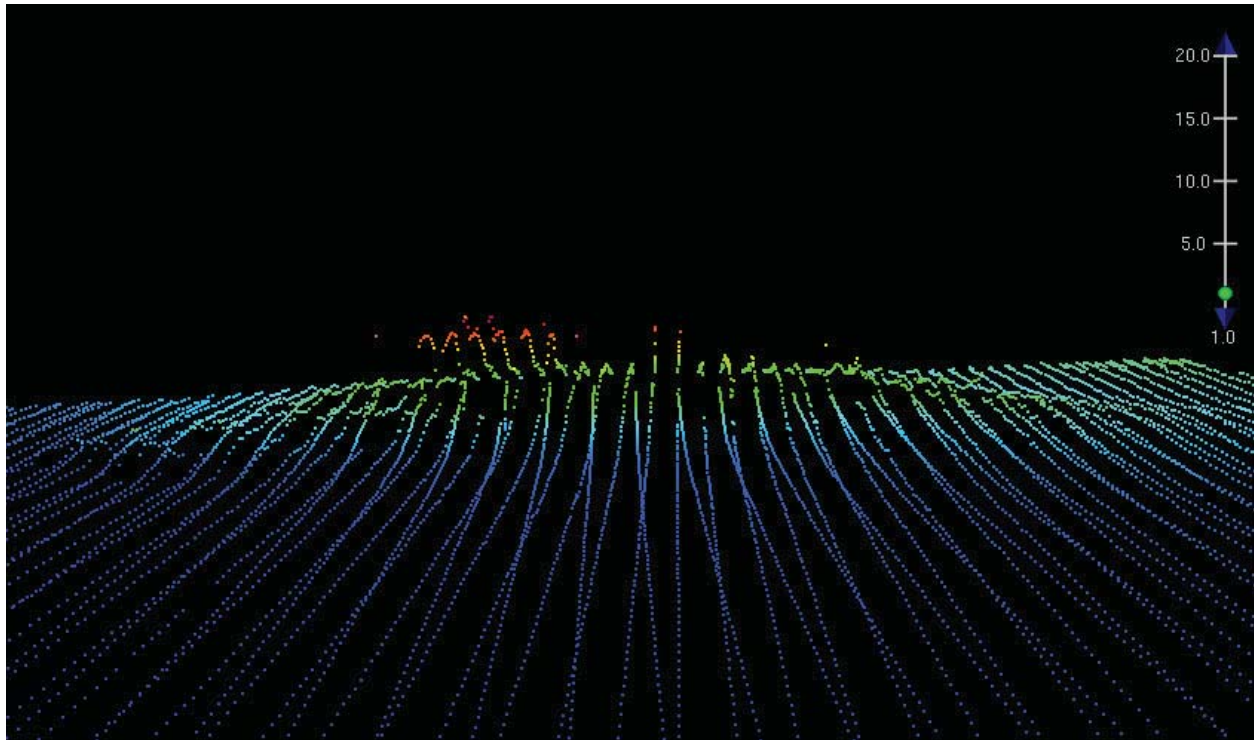


Figure 1.10.2

1.11) 104ft Wreck

Survey Summary

Survey Position: 40° 59' 38.5" N, 073° 24' 26.7" W
Least Depth: 31.91 m (= 104.69 ft = 17.448 fm = 17 fm 2.69 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086475 00001(FFFE0010940B0001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086475 00001	0.00	000.0	Primary

Hydrographer Recommendations

Leave uncharted as the charts notes numerous wrecks in the area.

Cartographically-Rounded Depth (Affected Charts):

104ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Do not chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 31.909 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Do not chart 104.69ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

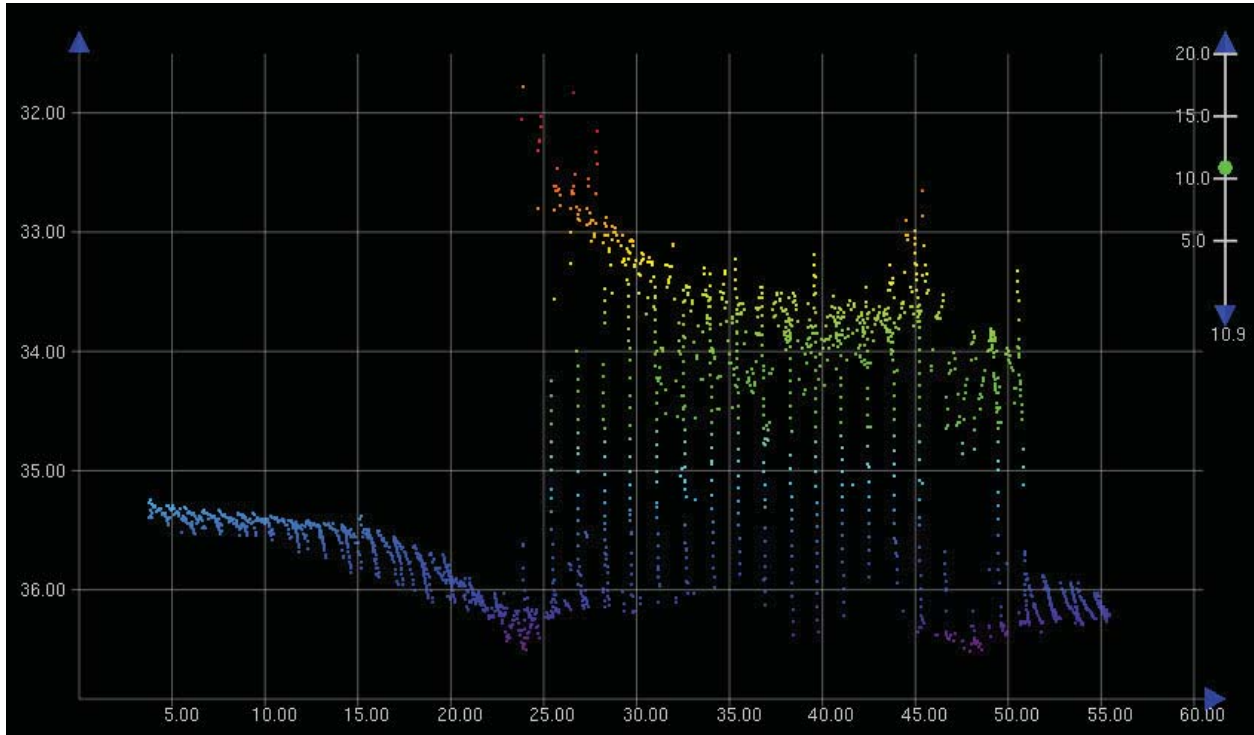


Figure 1.11.1

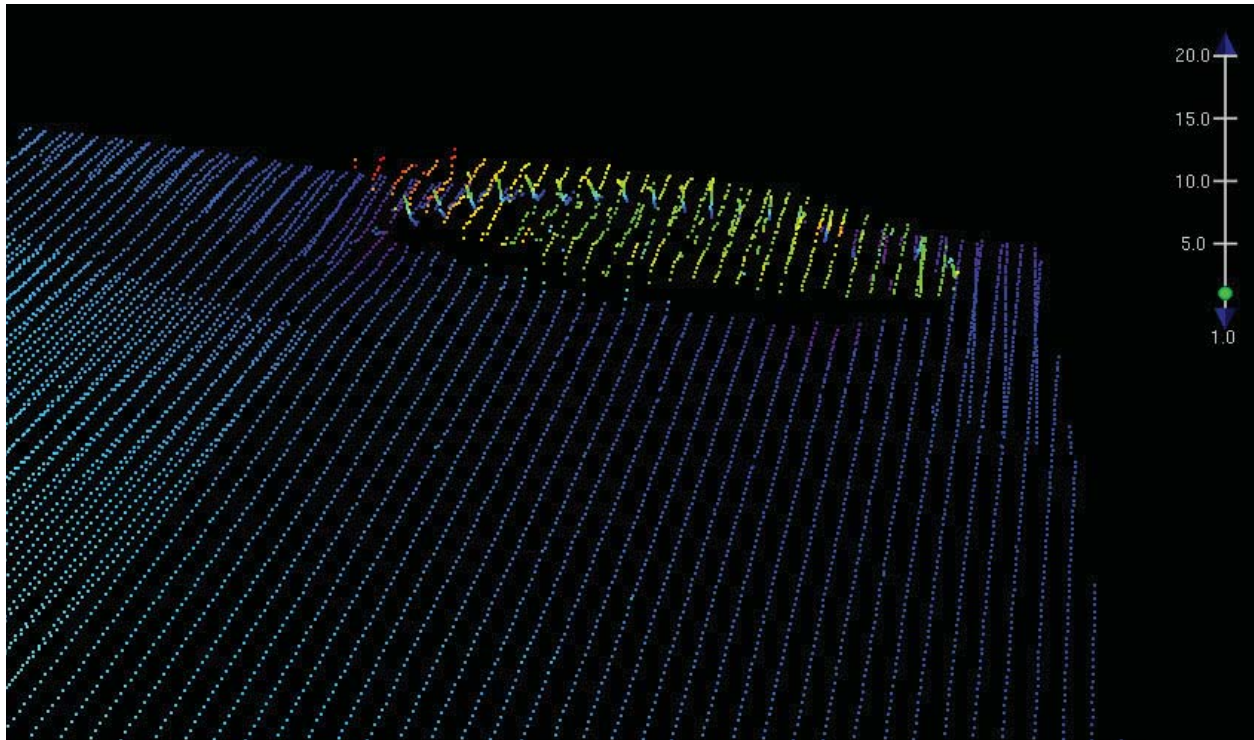


Figure 1.11.2

1.12) 106ft Wreck

Survey Summary

Survey Position: 40° 59' 39.2" N, 073° 24' 22.6" W
Least Depth: 32.27 m (= 105.88 ft = 17.647 fm = 17 fm 3.88 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086468 00001(FFFE001094040001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted Wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086468 00001	0.00	000.0	Primary

Hydrographer Recommendations

There is no charting recommendation as the chart lists numerous wrecks in the area.

Cartographically-Rounded Depth (Affected Charts):

106ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 32.273 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Feature appears to be upside down.

COMPILE: Do not chart 105.88ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

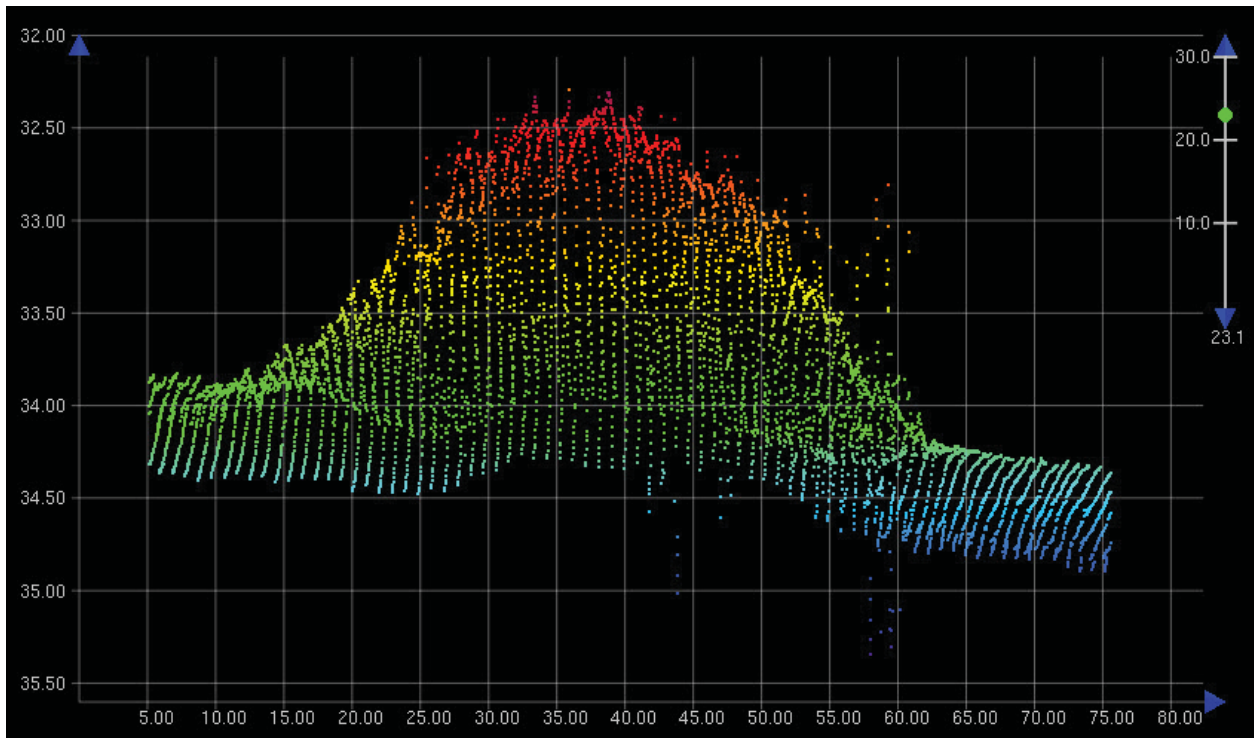


Figure 1.12.1

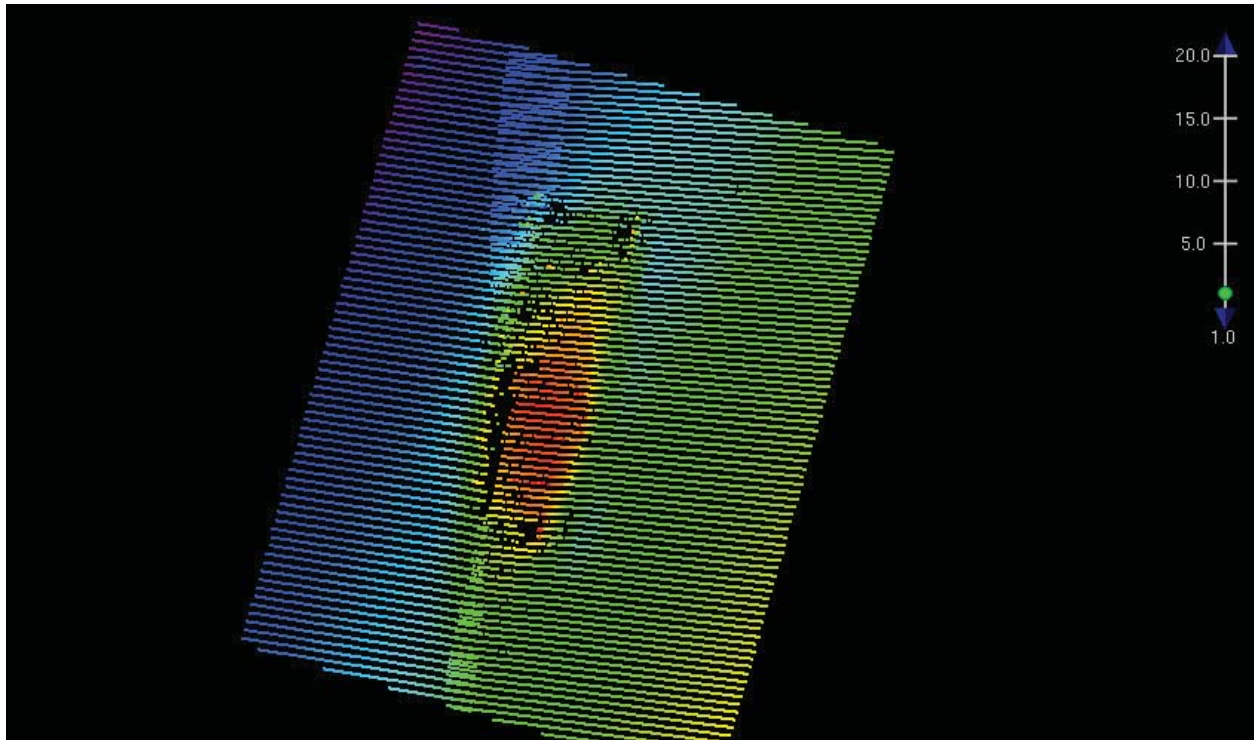


Figure 1.12.2

1.13) 89ft Wreck

Survey Summary

Survey Position: 40° 59' 36.2" N, 073° 24' 22.3" W
Least Depth: 27.21 m (= 89.26 ft = 14.877 fm = 14 fm 5.26 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086470 00001(FFFE001094060001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086470 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

89ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

15fm (12300_1, 13006_1, 13003_1)

27m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - Chart wrecks
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 27.207 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Chart non-dangerous 89.26ft wrecks at survey position to represent cluster of wrecks. Note that wrecks are positioned in a charted caution area.

Feature Images

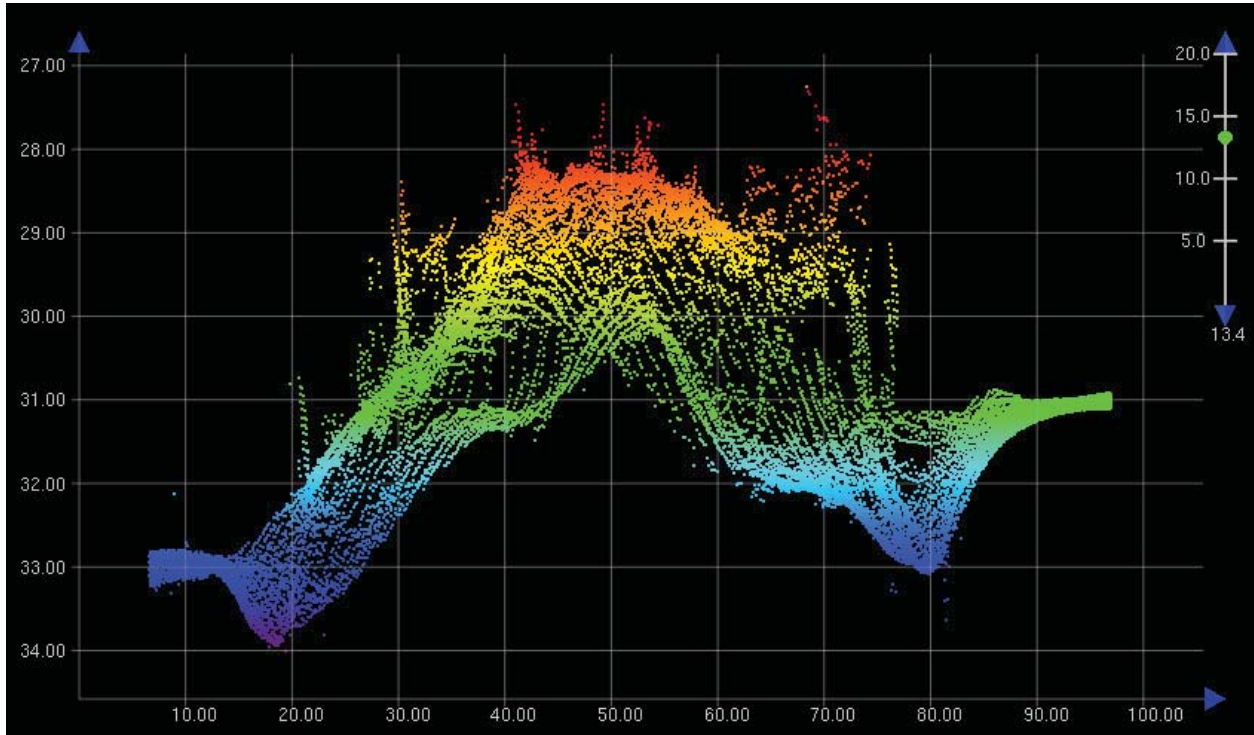


Figure 1.13.1

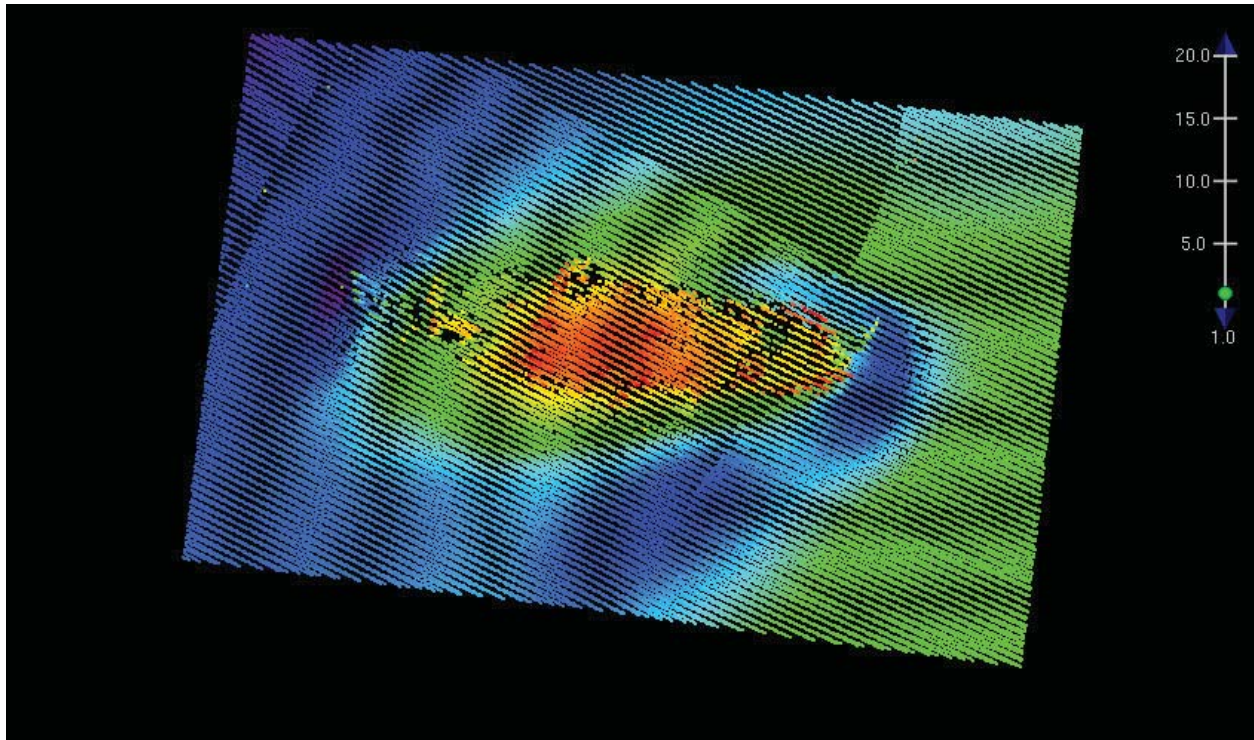


Figure 1.13.2

1.14) 105ft Wreck

Survey Summary

Survey Position: 40° 59' 43.8" N, 073° 24' 18.1" W
Least Depth: 32.05 m (= 105.16 ft = 17.527 fm = 17 fm 3.16 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086467 00001(FFFE001094030001)
Charts Affected: 12365_1, 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086467 00001	0.00	000.0	Primary

Hydrographer Recommendations

There is no charting recommendation as the chart is labeled with numerous wreck in the area.

Cartographically-Rounded Depth (Affected Charts):

105ft (12365_1, 12368_1, 12364_20, 12364_8, 12363_1)

17fm (12300_1, 13006_1, 13003_1)

32m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 32.054 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Chart 105.16ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

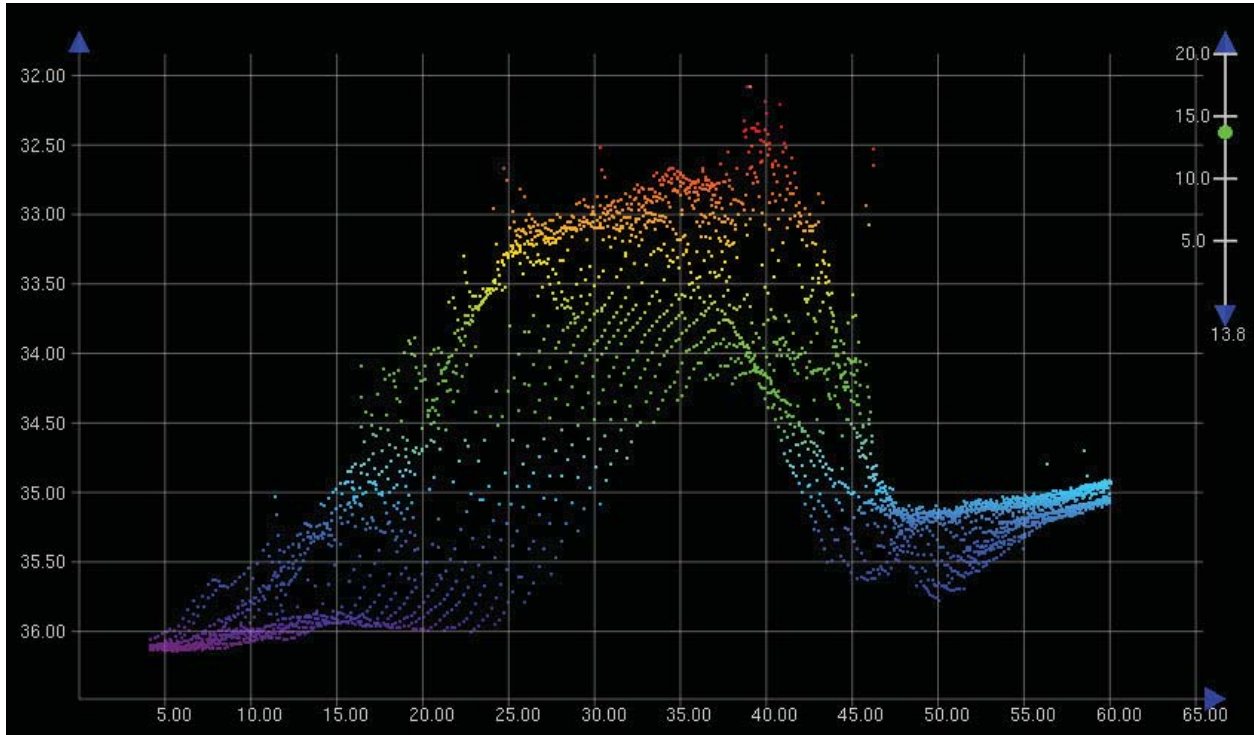


Figure 1.14.1

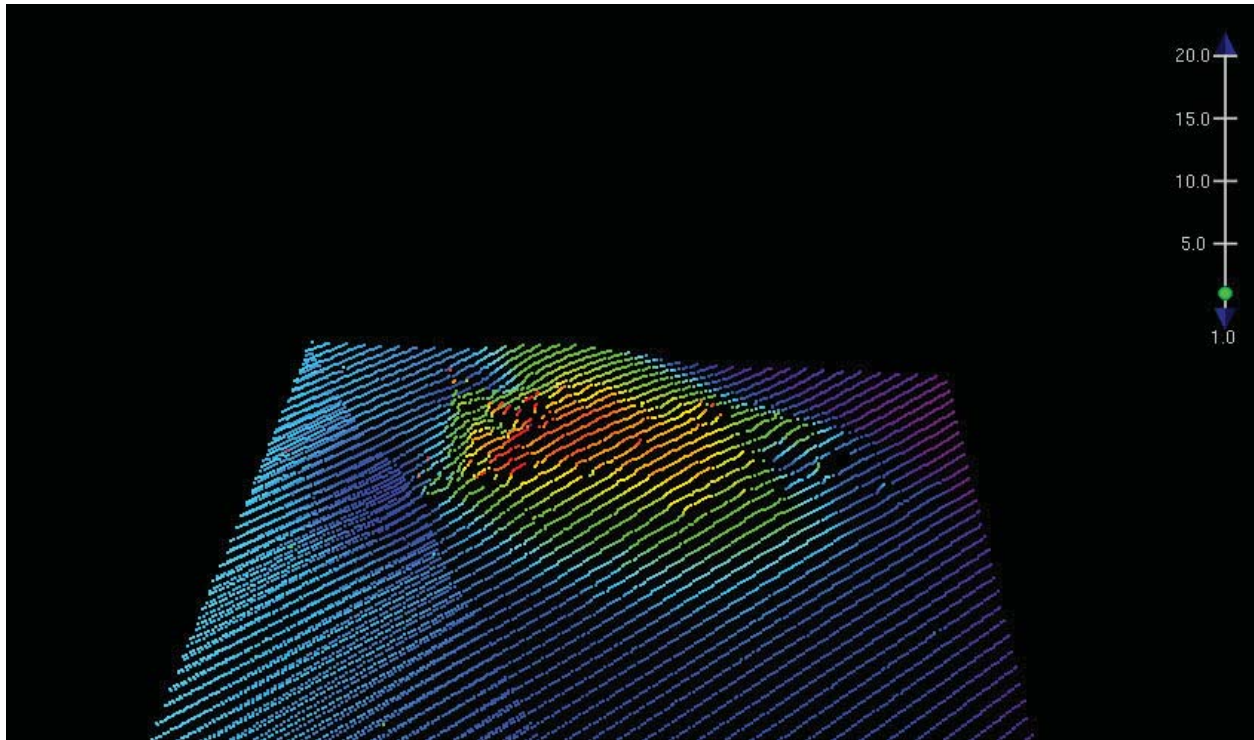


Figure 1.14.2

1.15) 161ft Wreck

Survey Summary

Survey Position: 41° 00' 14.5" N, 073° 23' 56.3" W
Least Depth: 48.29 m (= 158.43 ft = 26.405 fm = 26 fm 2.43 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086481 00001(FFFE001094110001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Uncharted wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086481 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart a non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

158ft (12368_1, 12364_20, 12364_8, 12363_1)

26fm (12300_1, 13006_1, 13003_1)

48m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 48.289 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant. Update chart VALSOU.

COMPILE: Chart 158.43ft wreck at survey position. Note that wreck is positioned in a charted caution area.

Feature Images

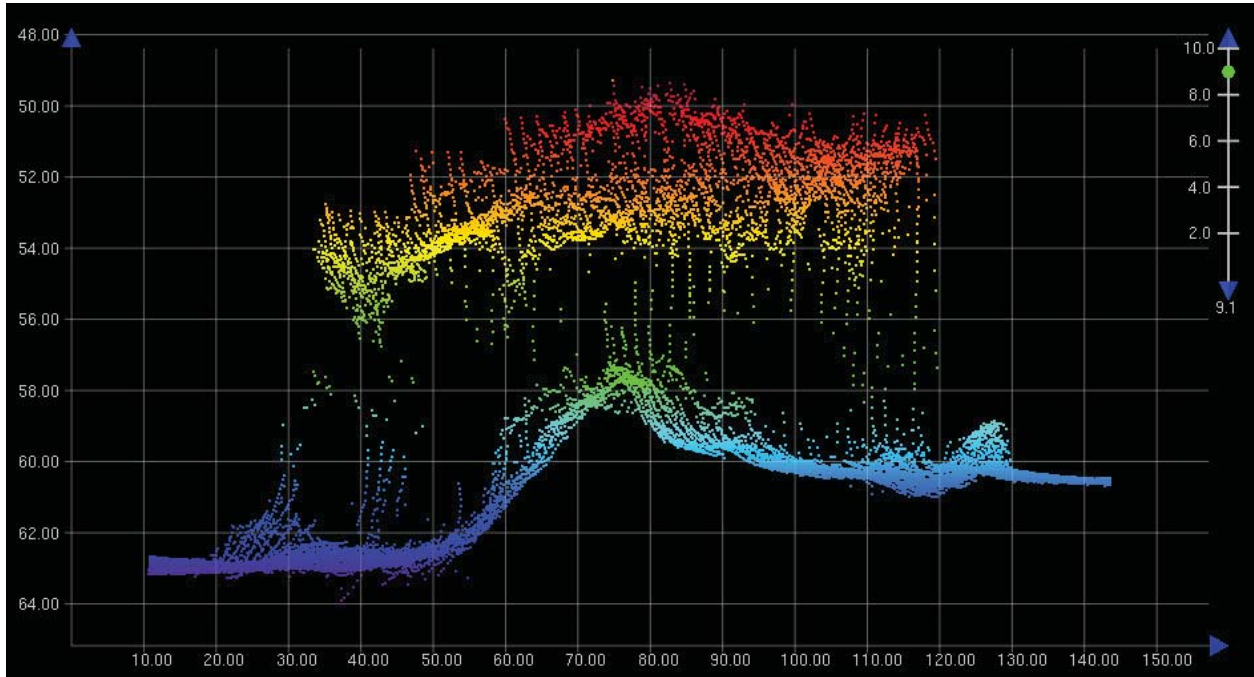


Figure 1.15.1

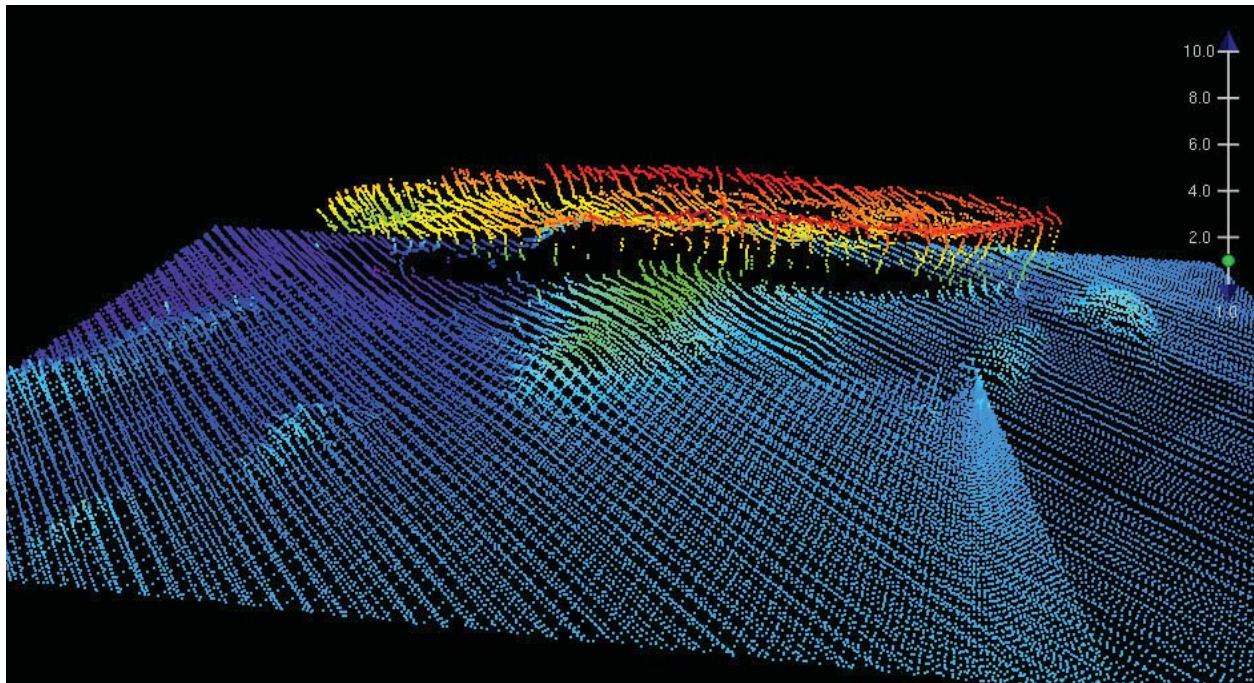


Figure 1.15.2

1.16) 120ft Wreck

Survey Summary

Survey Position: 41° 00' 45.5" N, 073° 23' 16.4" W
Least Depth: 36.11 m (= 118.47 ft = 19.746 fm = 19 fm 4.47 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086473 00001(FFFE001094090001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086473 00001	0.00	000.0	Primary

Hydrographer Recommendations

Leave uncharted and add an entry to AWOIS database.

Cartographically-Rounded Depth (Affected Charts):

118ft (12368_1, 12364_20, 12364_8, 12363_1)

19fm (12300_1, 13006_1, 13003_1)

36m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 36.111 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: Do not chart 118.47ft wreck.

Feature Images

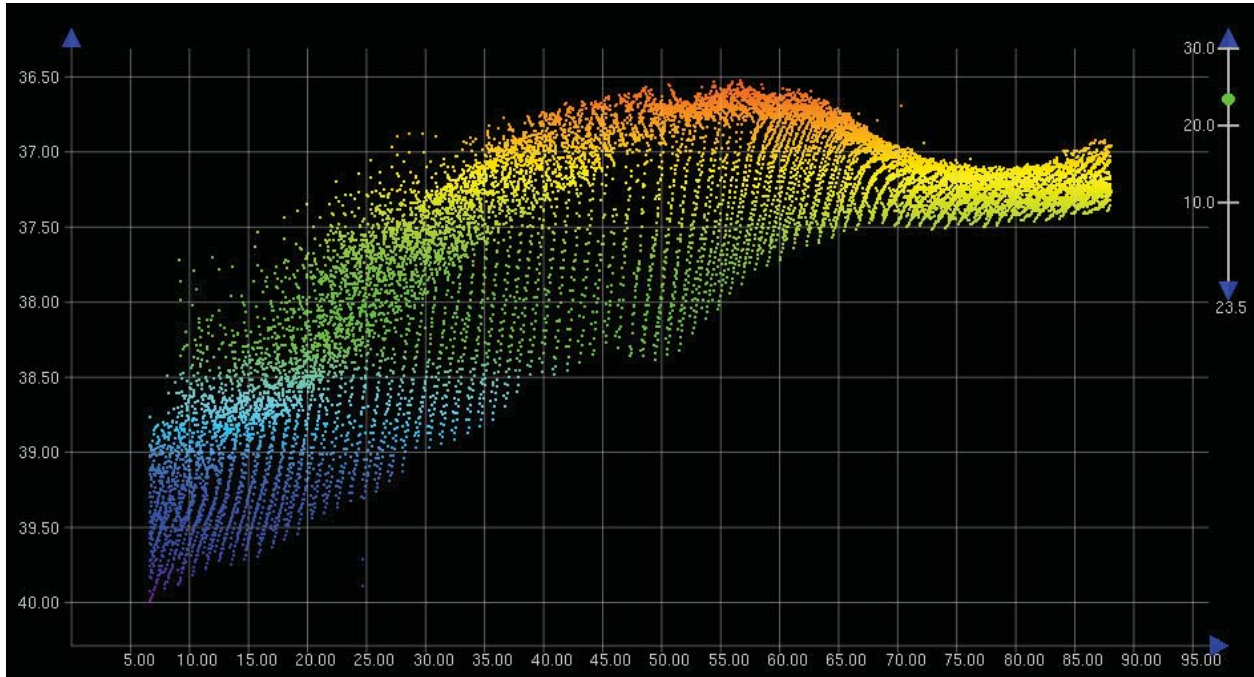


Figure 1.16.1

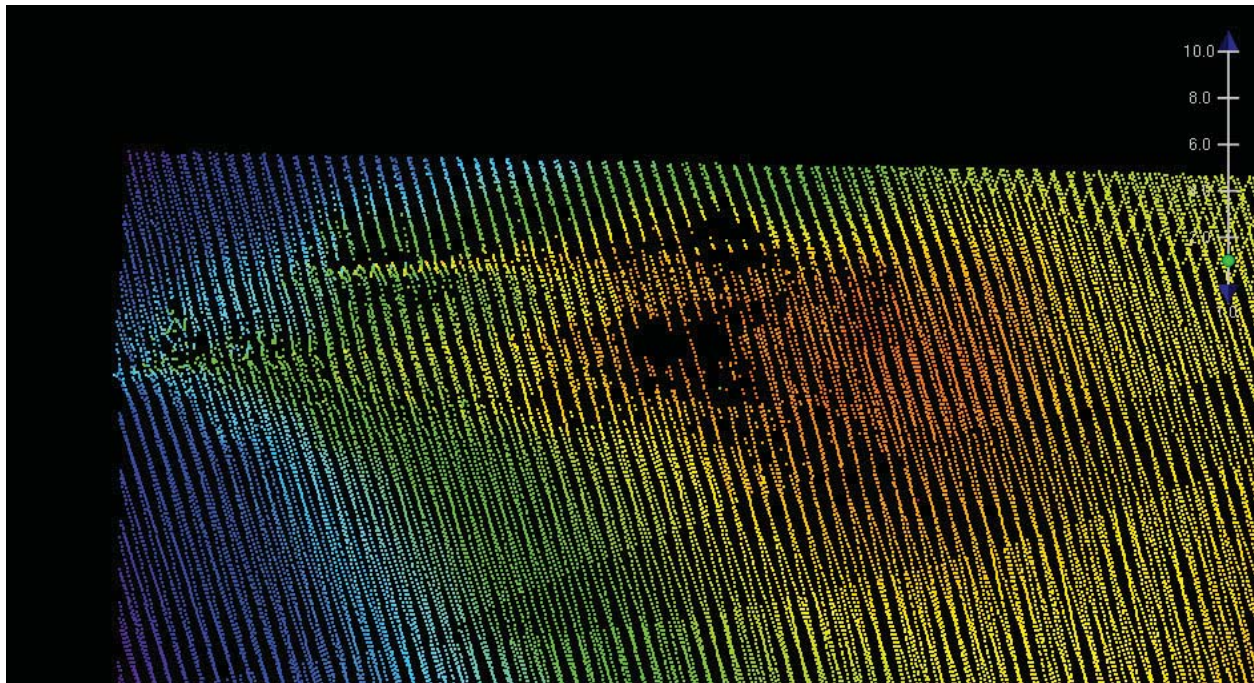


Figure 1.16.2

1.17) Silted Wreck 3

Survey Summary

Survey Position: 41° 00' 19.1" N, 073° 23' 14.8" W
Least Depth: 38.61 m (= 126.66 ft = 21.110 fm = 21 fm 0.66 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086480 00001(FFFE001094100001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Silted over mound assumed to be the remains of a wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086480 00001	0.00	000.0	Primary

Hydrographer Recommendations

Leave uncharted.

Cartographically-Rounded Depth (Affected Charts):

126ft (12368_1, 12364_20, 12364_8, 12363_1)

21fm (12300_1, 13006_1, 13003_1)

39m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 NINFOM - No charting action
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 38.606 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real however, not hydrographically significant. Defer to cartographer for final chart exposition.

COMPILE: No charting action. 126.6ft wreck is 57m from a charted "wks" text.

Feature Images

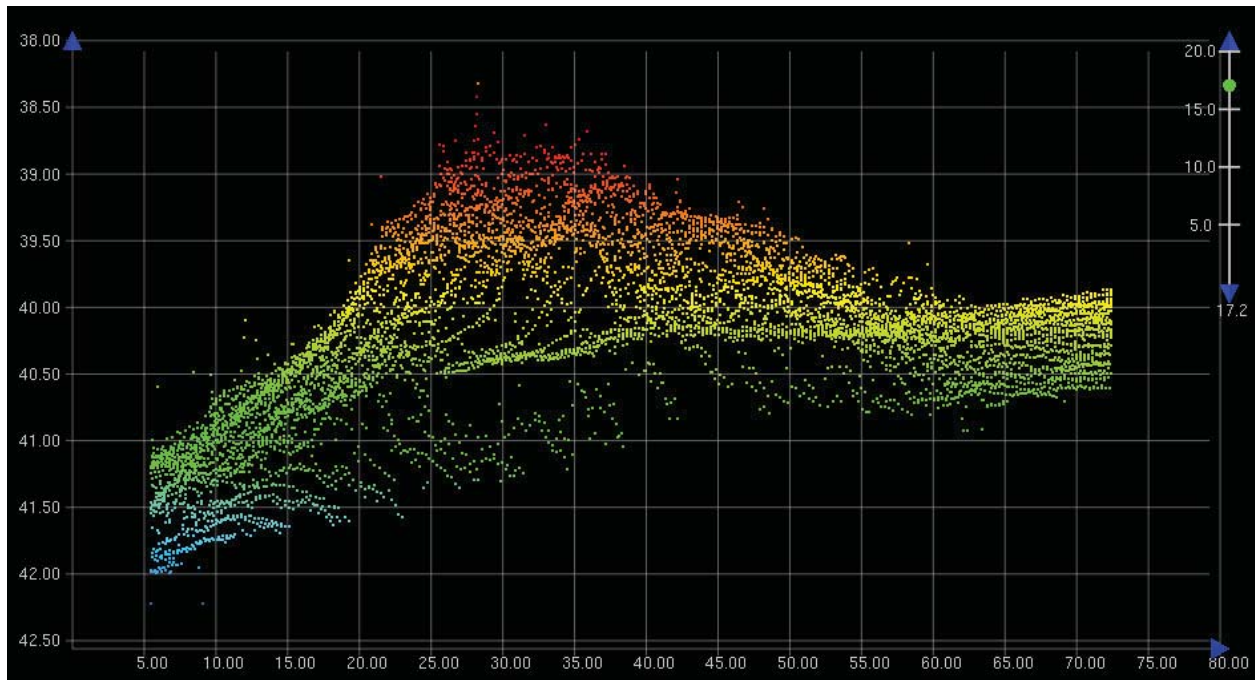


Figure 1.17.1

1.18) 95ft Wreck

Survey Summary

Survey Position: 41° 00' 07.0" N, 073° 22' 22.0" W
Least Depth: 28.91 m (= 94.85 ft = 15.808 fm = 15 fm 4.85 ft)
TPU ($\pm 1.96\sigma$): THU (TPEh) [None] ; TVU (TPEv) [None]
Timestamp: 2012-271.00:00:00.000 (09/27/2012)
Dataset: H12412_wrecks.000
FOID: 0_0001086482 00001(FFFE001094120001)
Charts Affected: 12368_1, 12364_20, 12364_8, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

WRECKS/remrks: Wreck found with Reson 7125 complete MBES. Soundings are processed to the ellipsoid and reduced to MLLW using VDatum.

Feature Correlation

Source	Feature	Range	Azimuth	Status
H12412_wrecks.000	0_0001086482 00001	0.00	000.0	Primary

Hydrographer Recommendations

Chart non-dangerous wreck.

Cartographically-Rounded Depth (Affected Charts):

95ft (12368_1, 12364_20, 12364_8, 12363_1)

16fm (12300_1, 13006_1, 13003_1)

29m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 EXPSOU - 1:within the range of depth of the surrounding depth area
 NINFOM - Chart wreck
 QUASOU - 6:least depth known
 SORDAT - 20120927

SORIND - US,US,graph,H12412

TECSOU - 3:found by multi-beam

VALSOU - 28.909 m

WATLEV - 3:always under water/submerged

Office Notes

SAR NOTES: Ensonified with complete coverage MBES. Feature is real and hydrographically significant.

COMPILE: Chart 94.85ft wreck at survey position.

Feature Images

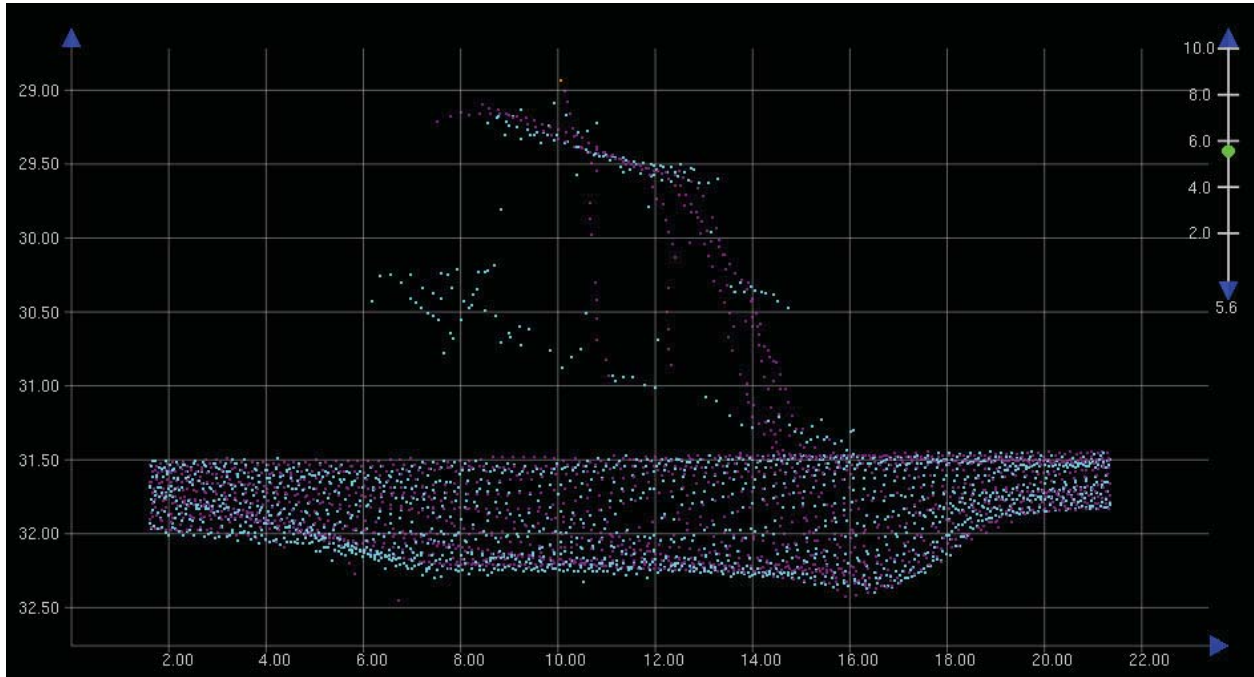


Figure 1.18.1

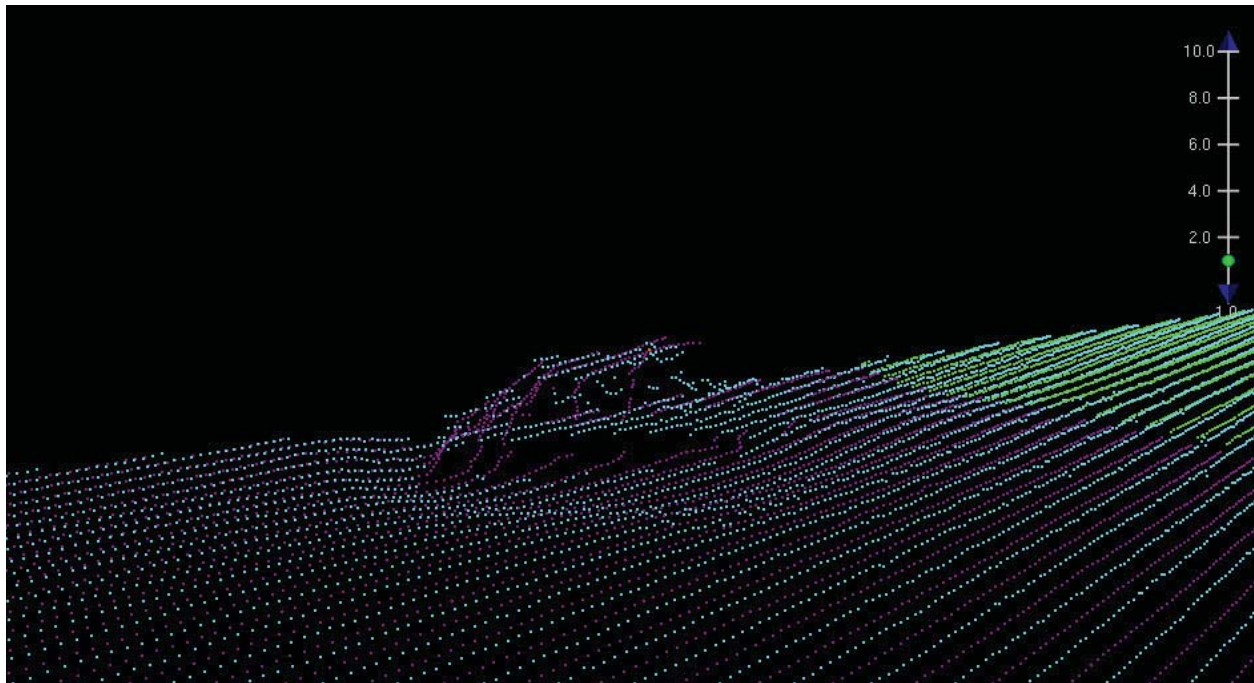


Figure 1.18.2

APPROVAL PAGE

H12412

Data meet or exceed current specifications as certified by the OCS survey acceptance review process. Descriptive Report and survey data except where noted are adequate to supersede prior surveys and nautical charts in the common area.

The following products will be sent to NGDC for archive

- H12412_DR.pdf
- Collection of depth varied resolution BAGS
- Processed survey data and records
- H12412_GeoImage.pdf

The survey evaluation and verification has been conducted according to current OCS Specifications, and the survey has been approved for dissemination and usage of updating NOAA's suite of nautical charts.

Approved: _____

Lieutenant Abigail Higgins, NOAA
Lieutenant Matthew Jaskoski, NOAA
Chief, Atlantic Hydrographic Branch