

NOAA FORM 76-35A

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

## DESCRIPTIVE REPORT

*Type of Survey* Basic Hydrographic

*Field No.* NRT-1

*Registry No.* H11765

### LOCALITY

*State* Florida

*General Locality* Pensacola Bay

*Sublocality* West of Old Navy Cove to Pensacola's Inner Harbor

Mark McMann

CHIEF OF PARTY

### LIBRARY & ARCHIVES

DATE April 2, 2008-April 3, 2009

REGISTRY No **H11765**

**HYDROGRAPHIC TITLE SHEET**

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

FIELD No. **Sheet C**

**State** Florida

**General Locality** Pensacola Bay

**Sub-Locality** West of Old Navy Cove to Pensacola's Inner Harbor

**Scale** 1:10000

**Date of Survey** 04/02/2008-04/03/2009

**Instructions dated** October 25, 2007

**Project No.** S-J917-NRT1-07

**Vessel** S1211, S3004

**Chief of party** Mark McMann

**Surveyed by** MJM, LTP, ABP

**Soundings by echo sounder, hand lead, pole** Single Beam Echo Sounder, Shallow Water MultiBeam

**Graphic record scaled by** LTP, MJM, ABP

**Graphic record checked by** LTP, MJM, ABP **Automated Plot** CARIS

**Verification by** \_\_\_\_\_

**Soundings in**          **fathoms**          **feet**          **at**          **MLW**          **MLLW**          **meters at MLLW**

**REMARKS:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**DESCRIPTIVE REPORT**

To accompany  
Basic Hydrographic Survey H11765  
S-J917-NRT1-07

Year of Survey: 2008-2009  
Navigation Response Team 1  
NOAA Launch S3004  
Mark McMann - Team Leader

**A. AREA SURVEYED**

This Basic Hydrographic Survey was conducted in accordance with the Project Letter Instructions for project S-J917-NRT1-07, Pensacola, FL. The instructions are dated October 25, 2007. \*

The Port of Pensacola is identified by the Marine Chart Division as a priority area for Chart Verification. There have been a great number of revisions and additions to the Electronic Nautical Chart (ENC) as well as the raster products. In addition, the port is expanding its operations to accommodate larger bulk carriers and barge traffic. The U.S. Pensacola Naval Air Station is currently visited by aircraft carriers with drafts of 32 feet and it is anticipated that larger carriers with drafts of 36 feet will soon be visiting the port in the near future.

The area surveyed by NRT1, consisted of approximately 3.4 square nautical miles (SNM) of Pensacola Bay in the area West of Navy Cove to Pensacola's Inner Harbor. Both singlebeam echosounder and side scan sonar were acquired within the survey limits, wherever possible. MultiBeam was used to investigate Side Scan contacts.

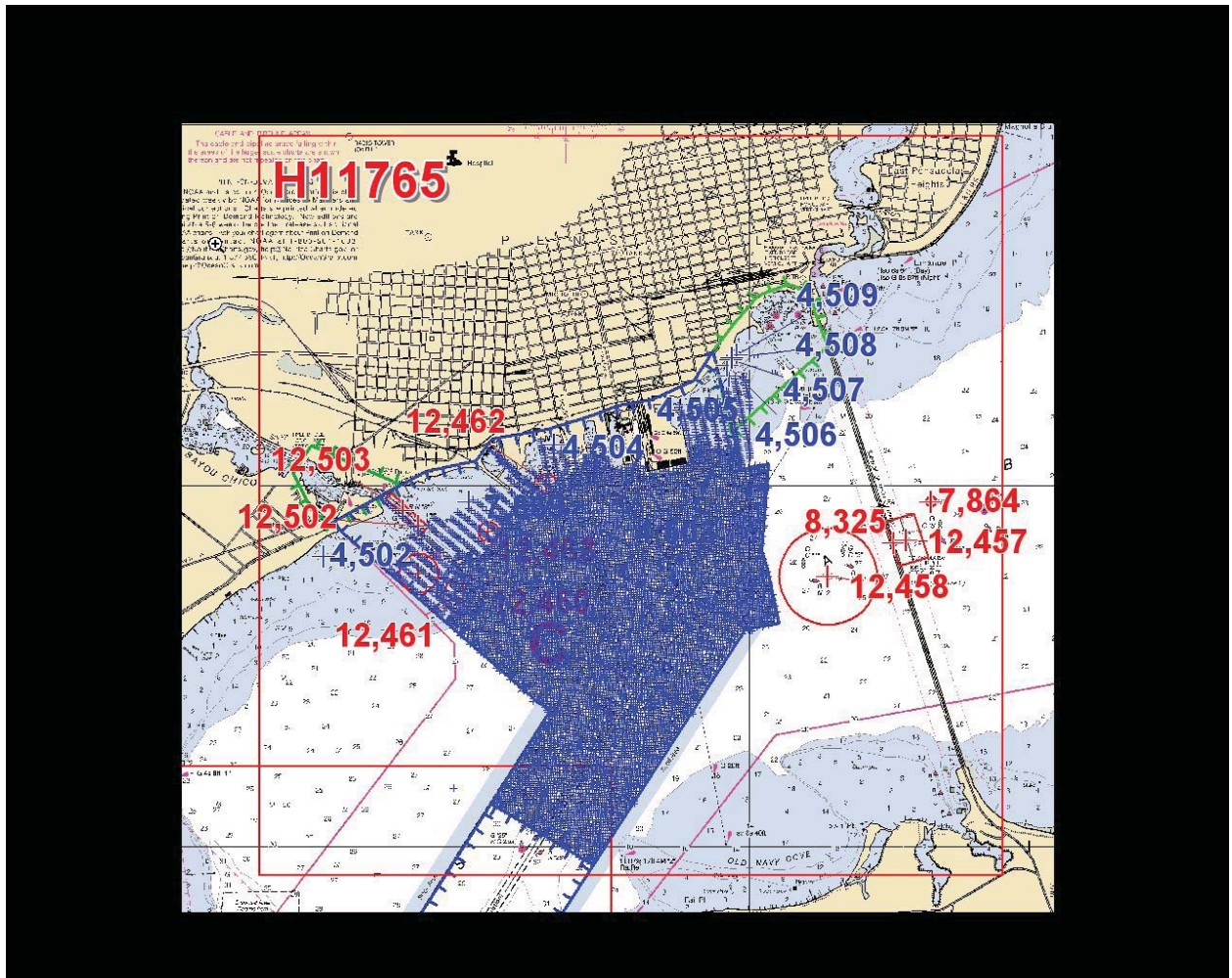
Survey Limits for Sheet C, H11765 are as follows:

30° 25'57" N 87°10'23" W  
30°21'51" N 87°15'08" W

Survey Dates: April 2, 2008 (DN: 093) to April 3, 2009 (DN: 093).

*\*Filed with original field records.*

Survey limits are displayed graphically:



## B. DATA ACQUISITION AND PROCESSING *See also the Evaluation Report*

### B.1. EQUIPMENT

Data were acquired by Navigation Response Team 1 using survey Launch 1211 and Launch 3004. The vessels were configured as described in the Data Acquisition and Processing Report (DAPR). \* Major data acquisition systems are summarized below.

NOAA Survey Launch 1211 was used to acquire position, sounding, imagery, and sound velocity data from April 2, 2008 (DN 093) through April 23, 2008 (DN 114). Positions were acquired with a Trimble DSM212L Differential GPS (DGPS) beacon receiver. Soundings were acquired with an ODOM CVX2 single-beam echosounder (SBES) system. Imagery was acquired with a stern-towed KLEIN 3000 side scan sonar (SSS) system. Water column sound velocity data was acquired with a SeaBird Seacat 19 and an ODOM Digibar Pro DB1200 sound velocity profiler.

NOAA Survey Launch 3004 was used from July 9, 2008 (DN 191) through April 3, 2009 (DN 093) to acquire position, sounding, imagery, and sound velocity. Positions were acquired with a Trimble DSM132 Differential GPS (DGPS) beacon receiver in conjunction with an Applanix POS/MV-V4 Inertial Motion Unit (IMU). Soundings were acquired with an ODOM EchoTrac CVX2 single-beam echosounder (SBES) system and a pole-mounted Reson 8125 MultiBeam (SWMB) system. Imagery was acquired with a pole-mounted Klein 5000 side scan sonar system (SSS). Water column and sensor head sound velocity data were obtained using 2 ODOM Digibar systems. *\*Filed with original field records.*

### B.2. QUALITY CONTROL

The integrity of the survey data for H11765 was insured by following the Field Procedures Manual, dated May, 2008, and the NOS Hydrographic Surveys Specifications and Deliverables Manual, dated May, 2008.

Differential GPS (DGPS) was used for all hydrographic data acquired on this survey.

#### Side Scan Sonar

The side scan sonar system frequencies used were 100kHz and 500kHz for the Klein 3000 on Launch 1211 and 455kHz for the Klein 5000 on Launch 3004. The recorder was set to 50 meter range. There were no water depths greater than 35 meters in areas where side scan data was

collected.

Daily confidence checks were conducted by observing side scan imagery in the vicinity of known contacts, such as buoys or sand waves. Side scan data were considered satisfactory if these contacts could be distinguished throughout the entire range of the side scan trace. The confidence checks were performed daily at both frequencies. Coverage of 200% was obtained wherever possible in the required survey areas and where water depth and/or hazards permitted. Side scan sonar coverage was conducted to the 12-foot depth curve where possible.

All side scan contacts were selected during processing in CARIS. Only contacts that could be positively identified while underway (ATONS, piles, other visible features) were selected in Sonarpro to facilitate their identification while processing. Any contacts, which were determined to be significant, were developed using SWMB. *See also the Evaluation Report*

### **Crosslines**

Crosslines were collected in a zig-zag pattern over the length of the project area. A total of 8.7 linear nautical miles (LNM) of crosslines were acquired. This is approximately 6.2 percent of total mainscheme acquisition (139.1 LNM). However, with 200% SSS coverage, the X-line percentage of the first 100% would be 12.4%. A visual inspection of crossline data and main scheme data showed good comparison.

### **Junctions** *See also the Evaluation Report*

No junctioning *prior* surveys were provided for comparison with this project.

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

Echosounder data were corrected for sound velocity using the methods defined in the DAPR. A list of sound velocity profiles (SVP) can be found in the Daily Acquisition Log, located in the Separates directory. SVPs have also been added to the Pydro PSS for this project.

## **C. VERTICAL AND HORIZONTAL CONTROL** *See also the Evaluation Report*

### **C.1. VERTICAL CONTROL**

All soundings were reduced to Mean Lower Low Water (MLLW) with preliminary observed water levels and preliminary zoning.

The operating water level station at Pensacola (872-9840) provided water level reducers for this project.

Verified water levels from the Tides & Currents website (<http://tidesandcurrents.noaa.gov/olddata/>) were downloaded and applied to all soundings for this sheet. Water level corrections were applied to the soundings using CARIS HIPS and SIPS v6.1.

*Concur.*

Zoning was provided on the project CD.

A Request for Approved Water Levels letter was sent to Smooth.Tides@noaa.gov on April 6, 2009 and is included in Appendix IV. Approved Water Levels were received by the NRT and the approved water levels were reapplied in CARIS.

### **C.2. HORIZONTAL CONTROL**

The horizontal datum used for this survey is the North American Datum 1983 (NAD83), projected using UTM zone 16. The control reference station used for this survey was the USCG DGPS Beacon in the auto-select mode.

Horizontal dilution of precision (HDOP) was monitored daily on Hypack. At no point did HDOP exceed 4.00, and adequate satellite coverage was maintained throughout the survey period.

All positioning equipment was operated in a manner consistent with the manufacturer requirements and as described in the DAPR. There were no equipment malfunctions which affected the positional quality of the data.



**D. RESULTS AND RECOMMENDATIONS** *See also the Evaluation Report*

**D.1. CHART COMPARISON**

There are four charts and one ENC affected by this survey:

<b>Chart</b>	<b>Edition</b>	<b>Print Date</b>	<b>Scale</b>
11384	34th	10/2003	1:10,000
11383	51st	01/2006	1:30,000
11382	40th	10/2003	1:80,000
11378	34th	02/2006	1:40,000

<b>ENC Cell</b>	<b>Last Updated</b>	<b>Corresponding Chart</b>	<b>Version</b>
US5FL72M	04/16/2007	11383	1

**General Agreement with**

**Charted soundings**

Comparison with the latest chart revealed excellent agreement with charted soundings, with current survey soundings being the same or 1-2 feet deeper than the chart. *Concur.*

A 39 foot sounding at Lat. 30° 24' 04"N, Lon. 87° 12' 17" W, was not found. Single beam hydrography in the area indicated depths of 29-30 feet. This isolated charted deep sounding is outside of the dredged channel and does not present a danger. The hydrographer recommends charting current survey soundings in the area. *Concur.*

The area of a "12 ft reported 1997" note at Lat. 30° 24' 10"N, Lon. 87° 12' 13"W, was surveyed using single beam echosounder. Current survey soundings were 13-16 feet. The hydrographer recommends charting current survey soundings in the area. *Concur.*

A "35 ft reported 1998" note charted at Lat. 30° 24' 04"N, Lon. 87° 12' 37"W is along the pier face at the Port Of Pensacola. Current survey depths range from 30-33 feet in the area. The hydrographer recommends charting current survey depths and removing the note. *Concur.*

A "21 ft 1987" note charted at Lat. 30° 24' 13"N, Lon. 87° 12' 45"W was not investigated sufficiently to resolve. The area is alongside Palafox Pier, a heavily used recreational pier. Fishermen made access to the area impossible. The hydrographer recommends retaining the note. *Concur.*

An area of charted ruins marked by two Green Lights centered at Lat. 30° 24' 04"N, Lon. 87° 13' 04"W, is no longer lighted. The ruins remain but the lights are gone. The hydrographer recommends removal of the charted lights. *See evaluation report.*

A charted note "8 ft reported 1999" at Lat. 30° 23' 58"N, Lon. 87° 13' 25"W, is referring to a small dredged channel used by shrimp boats and other small commercial vessels. Current survey depths were 15-18 ft. The hydrographer recommends charting current survey soundings and removing the note. *Concur.*

The Bayou Chico Channel inside the breakwater was not included in the project limits for this survey. However, the USACE completed a dredge and survey of the bayou in June of 2008. Copies of the Corps survey are included in the Section V of the Appendix. *Concur.*

The survey depths in the dredged Bay Channel, East Channel, and West Channel were within the published USACE depths. *See Evaluation report.*

There are 5 new features recommended for charting. None of the features is a DTON. The features are contained in the Survey Features Report in Section II of the Appendices to the Descriptive Report. *See Evaluation report.*

### **AWOIS Item Investigations**

There were 10 AWOIS items assigned to NRT-1 in Sheet C. The radius of these items were covered using 200% SSS to the extent possible.

Results of the AWOIS investigations are contained in Appendix II. *See Evaluation report.\**

*\* Data Filed with Original Field Records*

### **Dangers to Navigation**

Two DTONS were identified in this survey.

DTON1 was an uncharted wreck with a least depth of ~~11'~~ **9.2'** in area of charted ~~30'~~ **23'** depths. It was outside of the survey limits, but was located while transiting to the working grounds.

DTON2 was an uncharted obstruction with a least depth of ~~14.7'~~ **13.1'** in an area of 29' charted depths, originally located on Side Scan and developed with SWMB.

Records of both DTONS are located in Appendix I of the descriptive report. \*

*\* Data Filed with Original Field Records*

### **Shoreline**

No shoreline features were investigated by the field party. *Concur with clarification. See Evaluation report.*

## **D. 2. ADDITIONAL RESULTS**

### **Aids to Navigation and Other Detached Positions**

All Aids to Navigation in the survey area were found to be on station and serving their intended purpose. The field party has no recommendations on these Aids to Navigation.

### **Ferry Routes**

There are no ferry routes in the survey area.

### **Submarine Cables and Pipelines**

A charted submarine pipeline (sewer outfall) was located during the survey and a recommendation is made to lengthen it ~~175m~~ **32m**. Other than the offshore end, the pipeline is charted accurately. *Concur with clarification. Branch reviewer determined the recommended length augmentation shall be 32m. The distance was determined by comparing the terminus of the ENC pipeline feature and the field created pipeline line contact.*

### **Bridges and Overhead Cables**

There were no bridges or overhead cables in the survey area.

*Concur with clarification. The Pensacola Bay Fixed Bridge and adjacent cable area are within the survey coverage. Specifically, the bridge and cables are within an AWOIS SSS radius.*

APPROVAL SHEET  
S-J917-NRT1-07  
Florida  
Old Navy Cove to Pensacola's  
Inner Harbor  
Survey Registry No. H-11765

Field operations for this basic hydrographic survey were conducted under my daily supervision with frequent checks of progress and adequacy. All field sheets, this Descriptive Report, and all accompanying records and data are approved. This survey is adequate to supersede all prior surveys in common areas, and for application to the relevant NOS nautical charts.

Submitted:  
Mark J. McMann-Team Leader  
Navigation Response Team 1

# H11765 DtoN Appendix I

**Registry Number:** H11765  
**State:** Florida  
**Locality:** Pensacola Bay  
**Sub-locality:** West of Old Navy Cove to Pensacola's Inner Harbor  
**Project Number:** S-J917-NRT1-07  
**Survey Dates:** 05/07/2008 - 03/12/2009

## Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11383	51st	01/01/2006	1:30,000 (11383_1)	USCG LNM: 06/09/2009 (06/09/2009) NGA NTM: 08/07/2004 (06/20/2009)
11378	34th	02/01/2006	1:40,000 (11378_1)	USCG LNM: 05/22/2007 (09/11/2007) NGA NTM: 08/07/2004 (09/15/2007)
11382	40th	02/01/2004	1:80,000 (11382_1)	[L]NTM: ?
11360	41st	03/01/2005	1:456,394 (11360_1)	[L]NTM: ?
1115A	41st	03/01/2005	1:456,394 (1115A_1)	[L]NTM: ?
11006	32nd	08/01/2005	1:875,000 (11006_1)	[L]NTM: ?
411	51st	12/01/2006	1:2,160,000 (411_1)	[L]NTM: ?

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

## Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	DTON Dangerous Submerged Obstruction in Safety Fairway	Wreck	2.79 m	30° 22' 19.5" N	087° 13' 53.5" W	---
1.2	DTON Dangerous Obstruction, uncharted	Obstruction	3.98 m	30° 22' 50.1" N	087° 12' 31.6" W	---

**1 - DToNs**

## 1.1) DTON Dangerous Submerged Obstruction in Safety Fairway

### DANGER TO NAVIGATION

#### Survey Summary

**Survey Position:** 30° 22' 19.5" N, 087° 13' 53.5" W  
**Least Depth:** 2.85 m (= 9.36 ft = 1.561 fm = 1 fm 3.36 ft)  
**TPU (±1.96σ):** THU (TPEh) ±1.984 m ; TVU (TPEv) ±1.999 m  
**Timestamp:** 2008-128.16:16:40.222 (05/07/2008)  
**Survey Line:** h11765 / s3004\_reson8125 / 2008-128 / 012\_1616  
**Profile/Beam:** 233/223  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

**Remarks:**

Wreck, detected during transit with VBES on S/V 1211, investigated with MB Reson 8125 on S3004. approx. 22m long, 4.5m high. Preliminary tide data applied using station #8729840.

#### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/s3004_reson8125/2008-128/012_1616	233/223	0.00	000.0	Primary

#### Hydrographer Recommendations

Chart Dangerous Submerged Wreck at surveyed location.

**Cartographically-Rounded Depth (Affected Charts):**

9ft (11383\_1, 11378\_1, 11382\_1)  
 1 ½fm (1115A\_1, 11360\_1, 11006\_1, 411\_1)

#### S-57 Data

**Geo object 1:** Wreck (WRECKS)  
**Attributes:** CATWRK - 2:dangerous wreck  
 CONVIS - 2:not visual conspicuous  
 HEIGHT - 4.5 m  
 SORDAT - 20080507



SORIND - US,US,survey,H11765

STATUS - 1:permanent

TECSOU - 3:found by multi-beam

VALSOU - 2.854 m

WATLEV - 3:always under water/submerged

## **Office Notes**

Chart Dangerous Submerged Wreck at surveyed location.

### Feature Images

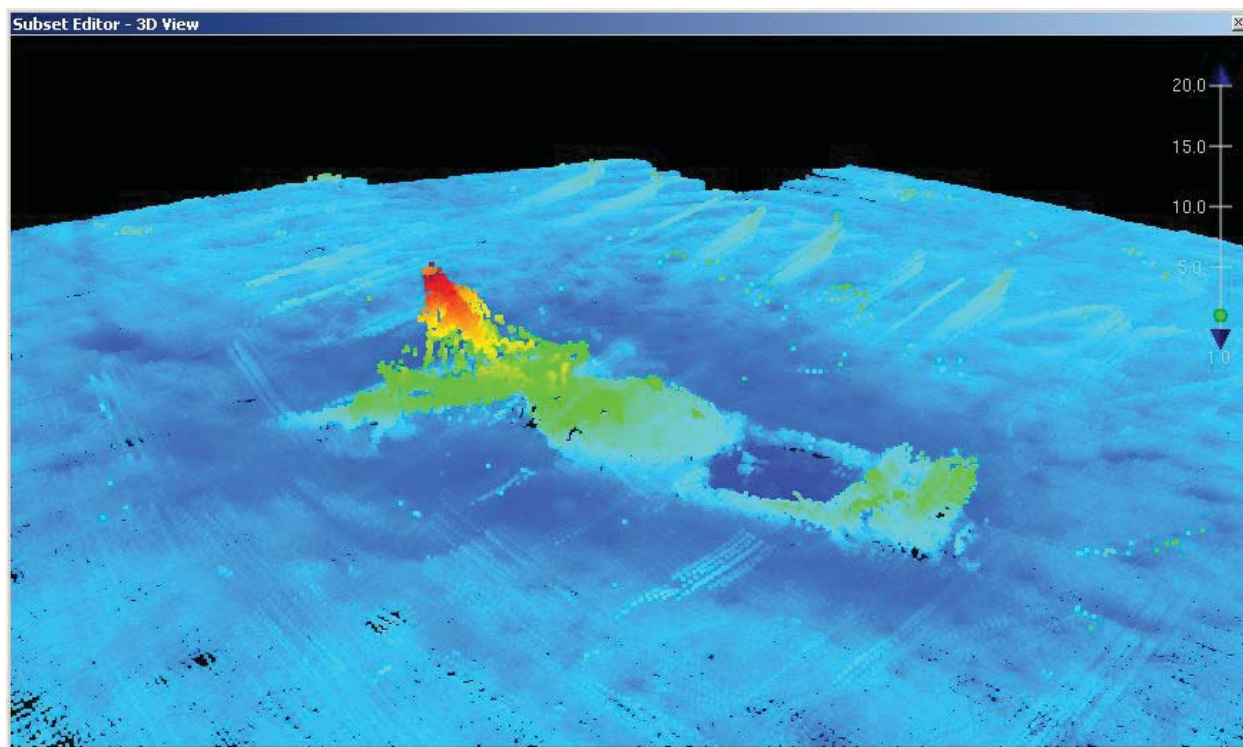


Figure 1.1.1

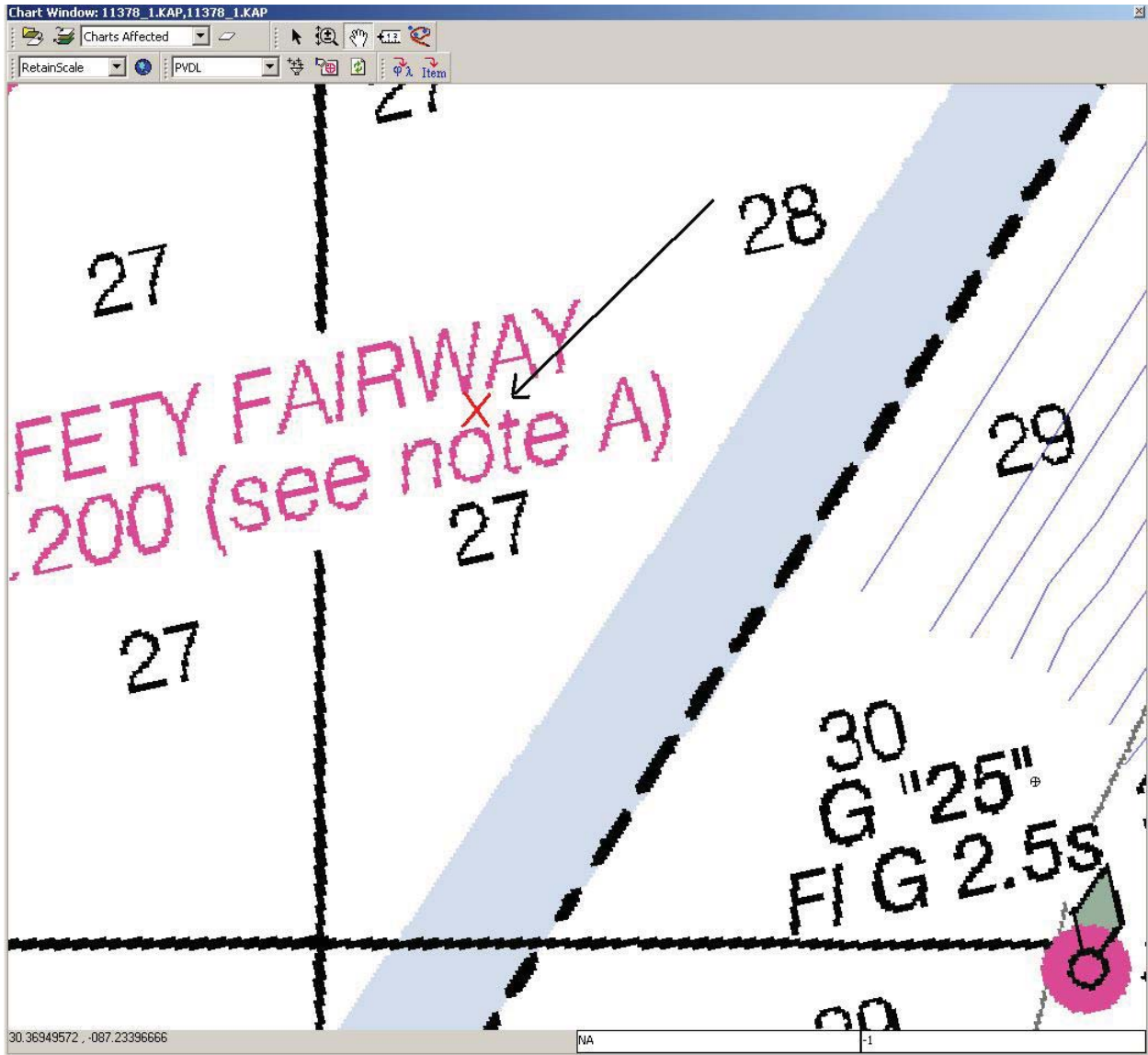


Figure 1.1.2

## 1.2) DTON Dangerous Obstruction, uncharted

### DANGER TO NAVIGATION

#### Survey Summary

**Survey Position:** 30° 22' 50.1" N, 087° 12' 31.6" W  
**Least Depth:** 3.98 m (= 13.07 ft = 2.178 fm = 2 fm 1.07 ft)  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh)  $\pm 1.987$  m ; TVU (TPEv)  $\pm 0.469$  m  
**Timestamp:** 2009-071.17:06:51.076 (03/12/2009)  
**Survey Line:** h11765 / s3004\_reson8125 / 2009-071 / 033\_1706  
**Profile/Beam:** 324/13  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

Contact was seen in 200% SSS coverage and investigated with MBES. A significant least depth was found and this is a DTON by spec. It is outside of the maintained channel but is a Danger To Navigation nonetheless. Note 20090624: After a correction to our .HVF and reprocessing, a new shoaler depth for the object was discovered and is represented by this Bathy Feature. Previous Primary Bathymetry feature was kept in the PSS so that the Original DTON Report that was submitted would have a matching feature. Also, this specific bathy feature was not resubmitted on the fast track due to small change in shoalest sounding and that it is already on the LNTM. Hence, it has an unsubmitted designation in the tree.

#### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/s3004_reson8125/2009-071/033_1706	324/13	0.00	000.0	Primary
h11765/s3004_reson8125/2009-071/034_1709	467/240	1.10	210.2	Secondary
h11765/1211_sss500k_200/2008-113/h11765080422152800	0001	1.33	022.4	Secondary
h11765/1211_sss500k/2008-093/h11765080402160900	0001	2.40	088.9	Secondary

#### Hydrographer Recommendations

Hydrographer recommends charting Dangerous Obstruction with updated depth.

#### Cartographically-Rounded Depth (Affected Charts):

13ft (11383\_1, 11378\_1, 11382\_1)

2fm (1115A\_1, 11360\_1, 11006\_1, 411\_1)

## S-57 Data

**Geo object 1:** Obstruction (OBSTRN)  
**Attributes:** QUASOU - 1:depth known  
SORDAT - 20090331  
SORIND - US,US,survey,H11765  
TECSOU - 2,3:found by side scan sonar,found by multi-beam  
VALSOU - 3.983 m  
VERDAT - 12:Mean lower low water  
WATLEV - 3:always under water/submerged

## Office Notes

Reviewer recommends charting Dangerous Obstruction with updated depth.

### Feature Images

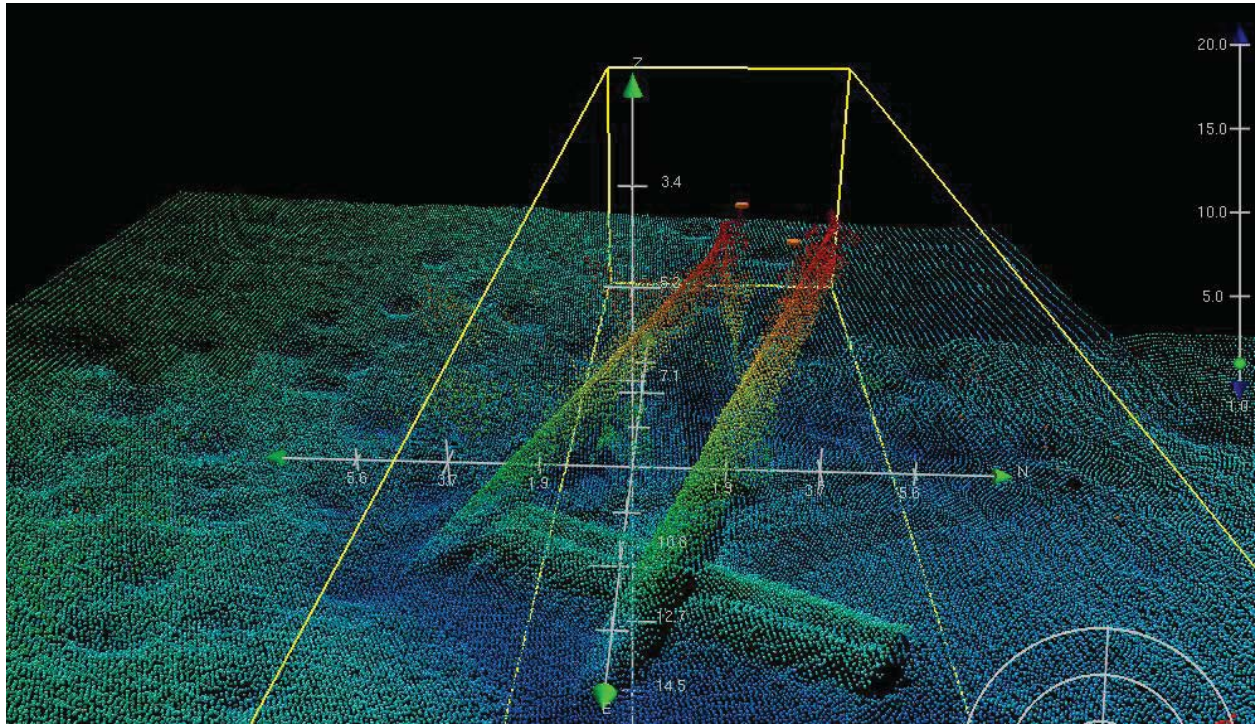


Figure 1.2.1

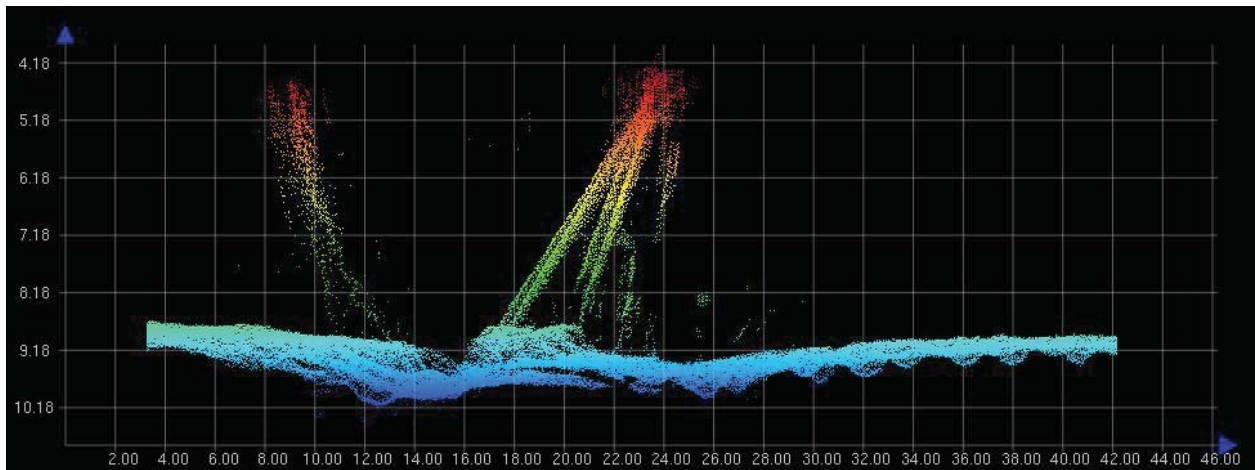


Figure 1.2.2

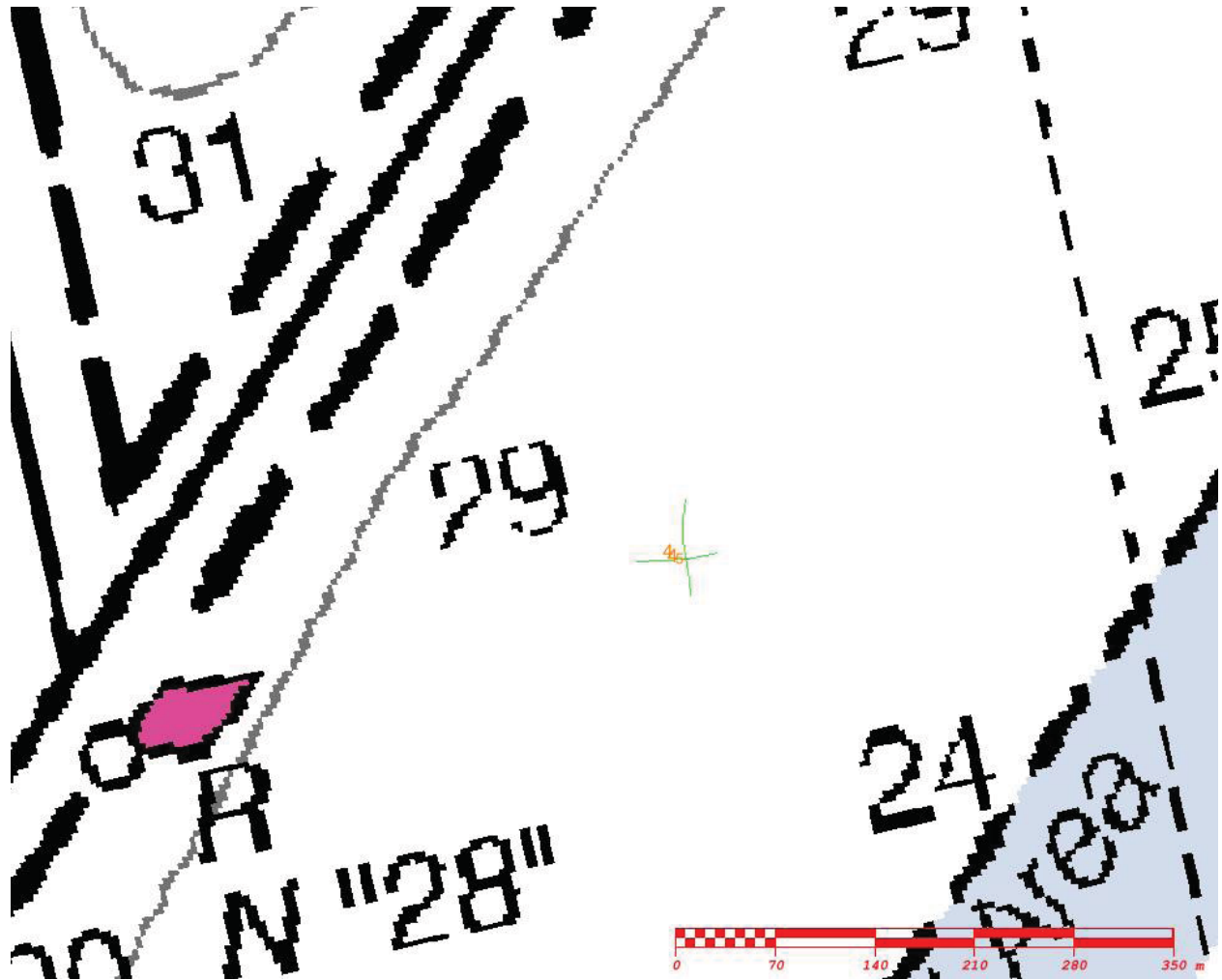


Figure 1.2.3

# H11765 \_AWOIS\_ Appendix II

**Registry Number:** H11765  
**State:** Florida  
**Locality:** Pensacola Bay  
**Sub-locality:** West of Old Navy Cove to Pensacola's Inner Harbor  
**Project Number:** S-J917-NRT1-07  
**Survey Dates:** 07/17/2008 - 04/14/2009

## Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11383	51st	01/01/2006	1:30,000 (11383_1)	USCG LNM: 06/09/2009 (06/09/2009) NGA NTM: 08/07/2004 (06/20/2009)
11378	34th	02/01/2006	1:40,000 (11378_1)	USCG LNM: 05/22/2007 (09/11/2007) NGA NTM: 08/07/2004 (09/15/2007)
11382	40th	02/01/2004	1:80,000 (11382_1)	[L]NTM: ?
11360	41st	03/01/2005	1:456,394 (11360_1)	[L]NTM: ?
1115A	41st	03/01/2005	1:456,394 (1115A_1)	[L]NTM: ?
11006	32nd	08/01/2005	1:875,000 (11006_1)	[L]NTM: ?
411	51st	12/01/2006	1:2,160,000 (411_1)	[L]NTM: ?

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

## Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	13_100 AWOIS 12461, Miss Liz, retain	SSS	[None]	30° 23' 20.9" N	087° 13' 55.2" W	12461
1.2	AWOIS 7864, Wreck, VIRGINIA "A"	AWOIS	[no data]	[no data]	[no data]	---
1.3	AWOIS 12457, Obstruction	AWOIS	[no data]	[no data]	[no data]	---
1.4	AWOIS 12460, Obstruction	AWOIS	[no data]	[no data]	[no data]	---
1.5	AWOIS 12462, Wreck	AWOIS	[no data]	[no data]	[no data]	---
1.6	AWOIS 12463, Obstruction	AWOIS	[no data]	[no data]	[no data]	---
1.7	17_100 Awois 12458, Wreck, Modify	Wreck	[None]	30° 23' 38.8" N	087° 11' 31.1" W	12458
1.8	18_100 AWOIS 12503 piles, modify	SSS	[None]	30° 23' 53.0" N	087° 14' 14.2" W	12503
1.9	16_200 AWOIS 12502, Piles, modify	SSS	[None]	30° 23' 47.0" N	087° 14' 06.9" W	12502



**1 - DR\_AWOIS**

## 1.1) 13\_100 AWOIS 12461, Miss Liz, retain

### Primary Feature for AWOIS Item #12461

**Search Position:** 30° 23' 23.7" N, 087° 13' 49.9" W  
**Historical Depth:** [None]  
**Search Radius:** 200.0  
**Search Technique:** S2,ES,DI,SD  
**Technique Notes:** [None]

#### History Notes:

LNM41/88 - THE FISHING VESSEL MISS LIZ WAS PREVIOUSLY REPORTED (REF LNM 25/88) BROKEN IN TWO AND SUNK IN APPROXIMATE POSITIONS 30°23'23"N 087°13'50"W AND 30°24'00"N 087°13'18"W. (CGD8 074-88) A RECENT SEARCH FAILED TO LOCATE THE WRECKAGE. SEE AWOIS ITEM 12462 FOR SECOND POSITION (OTHER REPORTED SECTION OF VESSEL).

### Survey Summary

**Survey Position:** 30° 23' 20.9" N, 087° 13' 55.2" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2008-199.07:47:20 (07/17/2008)  
**Survey Line:** h11765 / 1211\_sss500k / 2008-112 / h11765080421174300  
**Contact/Point:** 0001/1  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

Contact detected in 200% SSS coverage and investigated with MBES within AWOIS 12461 radius . Investigation failed to detect object but swath did not cover original position.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/1211_sss500k/2008-112/h11765080421174300	0001	0.00	000.0	Primary
AwoisH11765	AWOIS # 12461	167.52	238.3	Secondary

## **Hydrographer Recommendations**

Hydrographer recommends retaining PA wreck until further investigation can be conducted.

### **S-57 Data**

[None]

### **Office Notes**

Reviewer recommends retaining PA wreck.

## 1.2) AWOIS #7864 - AWOIS 7864, Wreck,VIRGINIA "A"

### No Primary Survey Feature for this AWOIS Item

**Search Position:** 30° 23' 54.9" N, 087° 10' 50.5" W  
**Historical Depth:** 7.00 m  
**Search Radius:** 50.0  
**Search Technique:** S2,SD,ES,DI  
**Technique Notes:** [None]

#### History Notes:

LNM26/86--8TH CGD; (183-86); FISHING VESSEL, VIRGINIA "A", IS REPORTED SUNK IN PA LAT 30-24-00N, LONG 87-10-48W (NAD27) IN APPROXIMATELY 26 FT. OF WATER. (ENTERED MSD 10/90) ■  
 ■ H10449/92-92-OPR-J223-AHP; WRECK LOCATED IN LAT.30-23-54.95N, LONG.87-10-50.47W WITH A LEAST DEPTH OF 7 METERS. DIVERS FOUND ROTTED WOOD WRECKAGE ENTANGLED WITH SHPIMP NET. WRECK WAS FLUSH WITH THE BOTTOM. UPDATED 8/97 MCR■■■ DESCRIPTION■ \*\*\*\*  
 TELECON WITH COAST GUARD, 12/92; SANK AS A RESULT OF HURRICANE HELENA IN 1986; ENGINE WAS SALVAGED SHORTLY AFTER SINKING. A FISHERMAN REPORTEDLY SNAGGED HIS NET ON THE WRECK IN 1986 AND FILED A LAWSUIT FOR DAMAGES.

### Survey Summary

**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

Entire radius of AWOIS 7864 was covered with 200% SSS coverage. No contacts were found, and this is considered disproval of its existence.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
AwoisH11765	AWOIS # 7864	0.00	000.0	Primary

### Hydrographer Recommendations

Hydrographer recommends removing Wreck PA from chart.

### S-57 Data

[None]

## Office Notes

Reviewer recommends removing Wreck PA from chart.

### 1.3) AWOIS #12457 - AWOIS 12457, Obstruction

#### No Primary Survey Feature for this AWOIS Item

**Search Position:** 30° 23' 42.0" N, 087° 10' 60.0" W  
**Historical Depth:** [None]  
**Search Radius:** 0  
**Search Technique:** S2,DI,ES,SD  
**Technique Notes:** 150 METERS EACH SIDE OF A LINE DRAWN FROM 30° 23' 49.59636" -87° 11' 2.65416" TO 30° 23' 34.88964" -87° 10' 57.17856". SEARCH LIMITS CAN BE RESTRICTED IN LIGHT OF SAFETY ISSUES DUE TO BRIDGE PROXIMITY.

#### History Notes:

LN42/97 - A SUBMERGED OBSTRUCTION HAS BEEN REPORTED IN PENSACOLA BAY NEXT TO THE THREE MILE BRIDGE IN APPROXIMATE POSITION 30-23-42.0N - 087-11-00.0W. THE OBSTRUCTION IS REPORTED TO BE A TRUCK.

#### Survey Summary

**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

AWOIS 12457 investigation polygon covered in 200% SSS coverage. No contact was found fitting the description given.

#### Feature Correlation

Address	Feature	Range	Azimuth	Status
AwoisH11765	AWOIS # 12457	0.00	000.0	Primary

#### Hydrographer Recommendations

Hydrographer recommends removing Obstruction PA from chart.

#### S-57 Data

[None]

## Office Notes

Reviewer recommends removing Obstruction PA from chart.

## 1.4) AWOIS #12460 - AWOIS 12460, Obstruction

### No Primary Survey Feature for this AWOIS Item

**Search Position:** 30° 23' 31.0" N, 087° 14' 07.0" W  
**Historical Depth:** [None]  
**Search Radius:** 200.0  
**Search Technique:** S2,ES,DI,SD  
**Technique Notes:** [None]

#### History Notes:

LN07/96 - Add submerged Obstruction (PA). (CGD8 035-96) AT30°23'31.0"N 087°14'07.0"W

### Survey Summary

**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

AWOIS Item 12460 was not addressed due to shallow water equipment limitations. No visual confirmation or disapproval of Obstn PA was possible.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
AwoisH11765	AWOIS # 12460	0.00	000.0	Primary

### Hydrographer Recommendations

Hydrographer recommends retaining as charted.

### S-57 Data

[None]

### Office Notes

Reviewer recommends retaining as charted.



## 1.5) AWOIS #12462 - AWOIS 12462, Wreck

### No Primary Survey Feature for this AWOIS Item

**Search Position:** 30° 24' 00.7" N, 087° 13' 17.9" W  
**Historical Depth:** [None]  
**Search Radius:** 100.0  
**Search Technique:** S2,ES,DI,SD  
**Technique Notes:** [None]

#### History Notes:

LNM41/88 - THE FISHING VESSEL MISS LIZ WAS PREVIOUSLY REPORTED (REF LNM 25/88) BROKEN IN TWO AND SUNK IN APPROXIMATE POSITIONS 30°23'23"N 087°13'50"W AND 30°24'00"N 087°13'18"W. (CGD8 074-88) A RECENT SEARCH FAILED TO LOCATE THE WRECKAGE. SEE AWOIS ITEM 12461 FOR FIRST POSITION (OTHER REPORTED SECTION OF VESSEL).

### Survey Summary

**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

AWOIS item 12462 not addressed in survey due to shallow water depths. SSS coverage was not run in the area.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
AwoisH11765	AWOIS # 12462	0.00	000.0	Primary

### Hydrographer Recommendations

Retain as charted.

### S-57 Data

[None]

### Office Notes

Retain as charted.

## 1.6) AWOIS #12463 - AWOIS 12463, Obstruction

### No Primary Survey Feature for this AWOIS Item

**Search Position:** 30° 23' 44.8" N, 087° 13' 40.2" W  
**Historical Depth:** [None]  
**Search Radius:** 100.0  
**Search Technique:** S2,DI,ES,SD,VS  
**Technique Notes:** [None]

#### History Notes:

LNM48/98 - RELOCATE WRECK SYMBOL (CGD8-061-87) FROM 30°23'54"N 087°13'48"W TO 30°23'44.8"N 087°13'40.2"W. RELOCATED POSITION RESULTS FROM USCG INVESTIGATION. WRECK WAS FOUND TO BE IN 11 FEET OF WATER WITH APPROXIMATELY 6 INCHES SHOWING ABOVE WATER. THE WRECK WAS REPORTED ON THE BOTTOM AND STATIONARY. THE WRECK IS SUSPECTED OF SHIFTING FROM ITS ORIGINAL POSITION 135° APPROXIMATELY 400 YARDS TO NEW POSITION AS A RESULT OF HURRICAN GEORGES. REF BNM 0867-98 MO

### Survey Summary

**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

AWOIS item 12463 was not addressed in survey due to shallow water depths.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
AwoisH11765	AWOIS # 12463	0.00	000.0	Primary

### Hydrographer Recommendations

Retain as charted.

### S-57 Data

[None]

## Office Notes

Modify to current survey location 30-23-46.194N 87-13-33.510W.

## 1.7) 17\_100 Awois 12458, Wreck, Modify

### Primary Feature for AWOIS Item #12458

**Search Position:** 30° 23' 30.0" N, 087° 11' 30.0" W  
**Historical Depth:** [None]  
**Search Radius:** 500.0  
**Search Technique:** S2,DI,ES,SD  
**Technique Notes:** [None]

#### History Notes:

LNM42/97 - ADD "DANGEROUS WRECK (PA)" (15FT VESSEL) CGD8 154-97

### Survey Summary

**Survey Position:** 30° 23' 38.8" N, 087° 11' 31.1" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2009-083.06:57:33 (03/24/2009)  
**Survey Line:** h11765 / s3004\_klein5000\_100 / 2009-078 / 029\_1754  
**Contact/Point:** 0001/1  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

200% SSS coverage was obtained for AWOIS item 12458. A contact was detected in both 100% coverages at the same location, however a least depth was not obtained via bathy investigation.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/s3004_klein5000_100/2009-078/029_1754	0001	0.00	000.0	Primary
h11765/s3004_klein5000_200/2009-078/027_1741	0001	1.38	253.1	Secondary (grouped)
AwoisH11765	AWOIS # 12458	275.07	354.1	Secondary

### Hydrographer Recommendations

Hydrographer recommends moving wreck to current contact position and removing PA designation from wreck symbol.

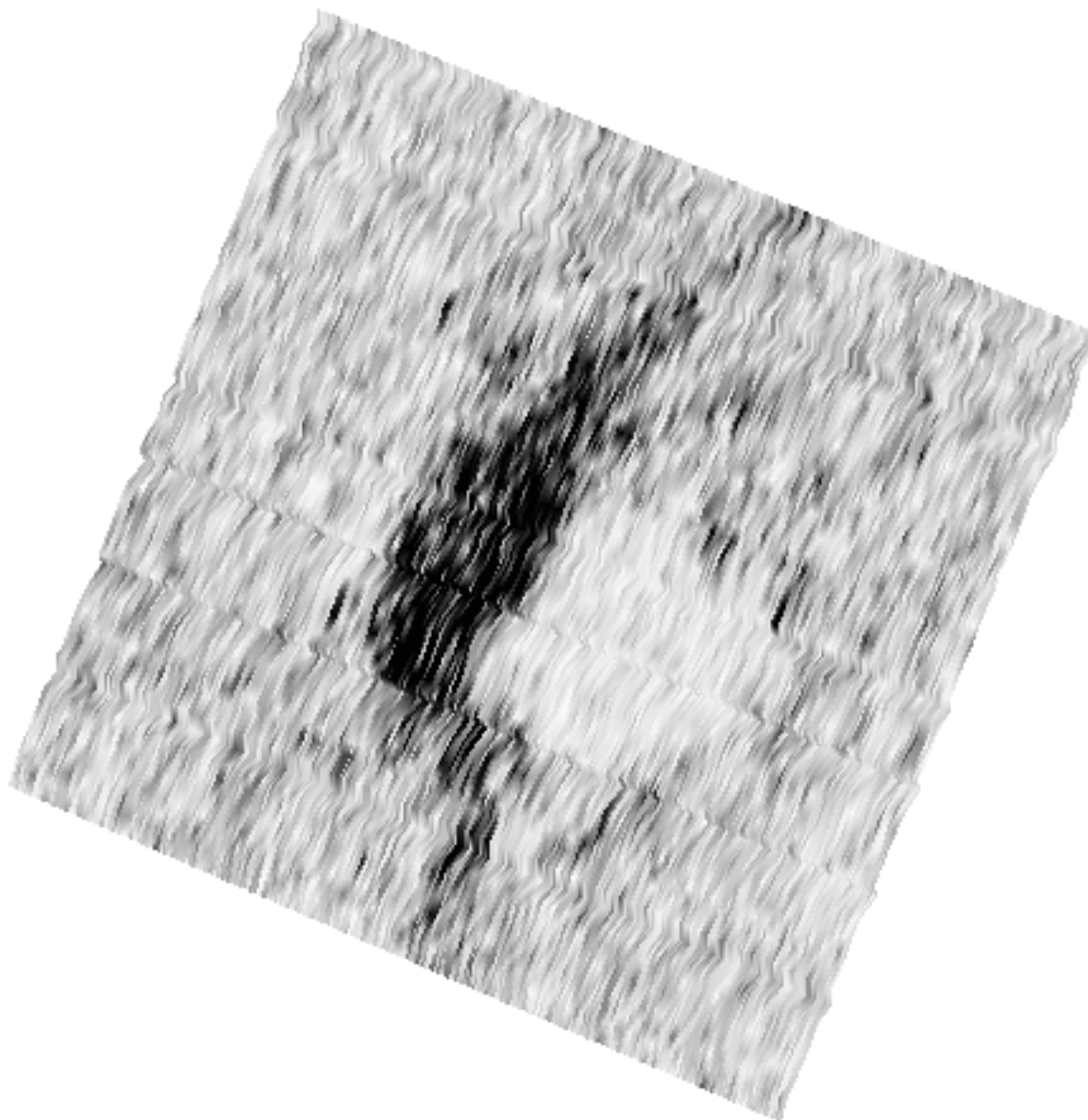
### **S-57 Data**

**Geo object 1:** Wreck (WRECKS)  
**Attributes:** CATWRK - 2:dangerous wreck  
SORDAT - 20090403  
SORIND - US,US,survy,H11765  
WATLEV - 3:always under water/submerged

### **Office Notes**

Reviewer recommends moving wreck to current contact position and removing PA designation from wreck symbol

## Feature Images



*Figure 1.7.1*

## 1.8) 18\_100 AWOIS 12503 piles, modify

### Primary Feature for AWOIS Item #12503

**Search Position:** 30° 23' 52.0" N, 087° 14' 13.0" W  
**Historical Depth:** [None]  
**Search Radius:** 0  
**Search Technique:** S2,DI,ES,SD  
**Technique Notes:** SEARCH 40 METERS ON BOTH SIDES OF AXIS FORMED BETWEEN THE FOLLOWING TWO POINTS: 30°23'56.7N - 087°14'18.5"W AND 30°23'51.0N - 087°14'11.3"W. SEARCH AREA ON SOUTH SIDE OF AXIS CAN STOP AT CHANNEL LIMIT.

#### History Notes:

H10387/91--OPR-J452-HE; SUBMERGED PILES BROUGHT FORWARD FROM PRIOR SURVEY, BUT WERE NOT DISPROVED.

### Survey Summary

**Survey Position:** 30° 23' 53.0" N, 087° 14' 14.2" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2009-104.04:33:04 (04/14/2009)  
**Survey Line:** h11765 / s3004\_klein5000\_100 / 2009-093 / 005\_1531  
**Contact/Point:** 0001/1  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

AWOIS 12503 was covered in 200% SSS coverage and 2 piles were discovered in SSS data. Actual position are slightly more channelward than charted positions.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/s3004_klein5000_100/2009-093/005_1531	0001	0.00	000.0	Primary
AwoisH11765	AWOIS # 12503	46.05	314.1	Secondary (grouped)
h11765/s3004_klein5000_100/2009-093/005_1531	0002	62.66	132.6	Secondary (grouped)

## Hydrographer Recommendations

Hydrographer recommends modifying to current charted position.

### S-57 Data

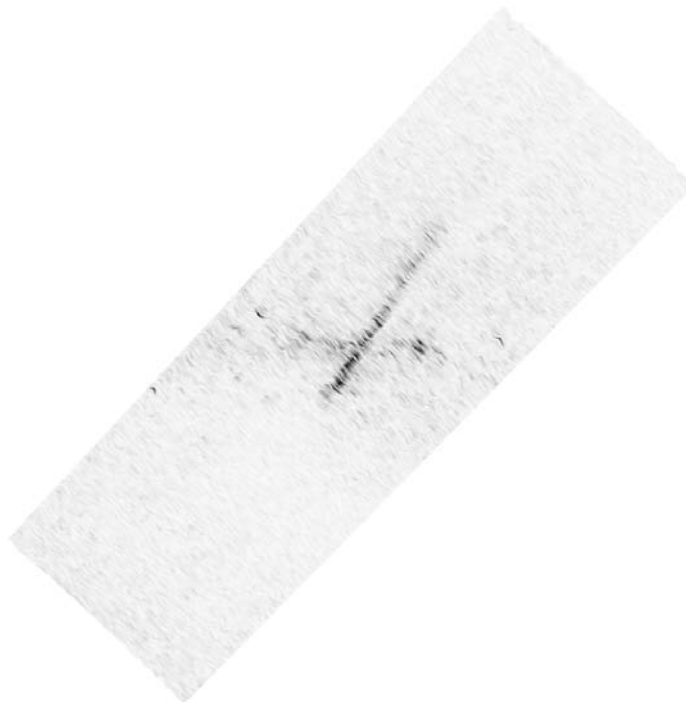
**Geo object 1:** Pile (PILPNT)  
**Attributes:** SORDAT - 20090403  
SORIND - US,US,survey,H11765

### Office Notes

Add submerged pile to chart at current survey position and retain surrounding submerged piles.



## Feature Images



*Figure 1.8.1*

## 1.9) 16\_200 AWOIS 12502, Piles, modify

### Primary Feature for AWOIS Item #12502

**Search Position:** 30° 23' 47.0" N, 087° 14' 07.0" W  
**Historical Depth:** [None]  
**Search Radius:** 0  
**Search Technique:** S2,DI,ES,SD  
**Technique Notes:** SEARCH 40 METERS ON BOTH SIDES OF AXIS FORMED BETWEEN THE FOLLOWING TWO POINTS: 30°23'51.0N - 087°14'11.3"W AND 30°23'45.0"N - 087°14'04.6"W. SEARCH AREA ON SOUTH SIDE OF AXIS CAN STOP AT CHANNEL LIMIT.

#### History Notes:

H10387/91--OPR-J452-HE; SUBMERGED PILES BROUGHT FORWARD FROM PRIOR SURVEY, BUT WERE NOT DISPROVED.

### Survey Summary

**Survey Position:** 30° 23' 47.0" N, 087° 14' 06.9" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2009-104.04:40:38 (04/14/2009)  
**Survey Line:** h11765 / s3004\_klein5000\_200 / 2009-093 / 001\_1540  
**Contact/Point:** 0001/1  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

AWOIS 12502 was detected in 200% SSS coverage and exists closer to the channel than charted.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/s3004_klein5000_200/2009-093/001_1540	0001	0.00	000.0	Primary
AwoisH11765	AWOIS # 12502	2.23	130.5	Secondary
h11765/s3004_klein5000_100/2009-093/005_1531	0004	2.95	312.7	Secondary (grouped)

## Hydrographer Recommendations

Hydrographer recommends modifying charted position to current survey position.

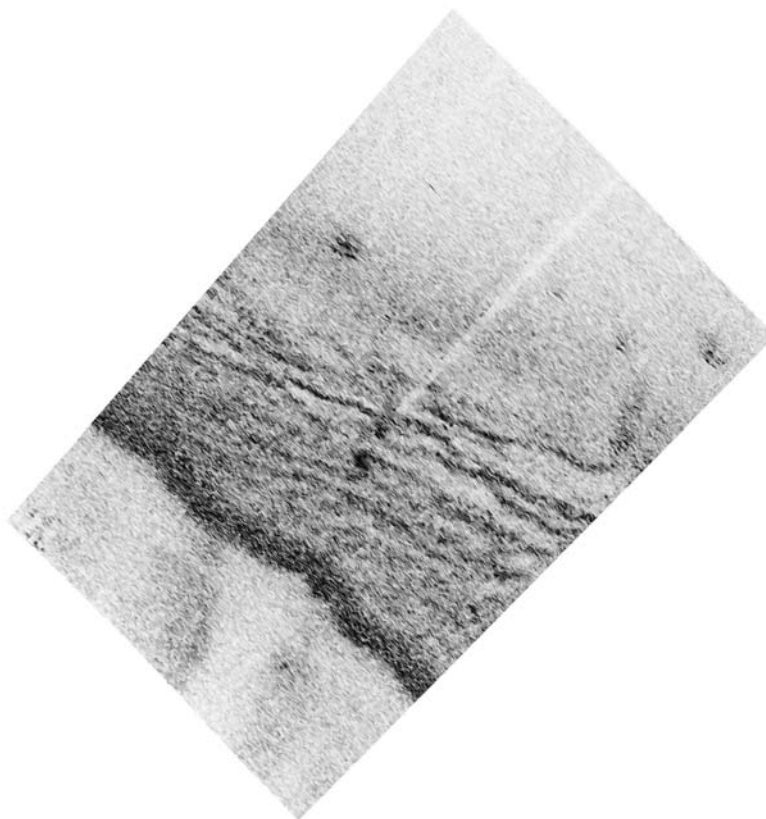
### S-57 Data

**Geo object 1:** Pile (PILPNT)  
**Attributes:** SORDAT - 20090403  
SORIND - US,US,survey,H11765

### Office Notes

Add submerged pile to chart at current survey position and retain surrounding submerged piles.

## Feature Images



*Figure 1.9.1*

# H11765 \_Charted\_ Appendix II

**Registry Number:** H11765  
**State:** Florida  
**Locality:** Pensacola Bay  
**Sub-locality:** West of Old Navy Cove to Pensacola's Inner Harbor  
**Project Number:** S-J917-NRT1-07  
**Survey Dates:** 04/10/2008 - 04/03/2009

## Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11383	51st	01/01/2006	1:30,000 (11383_1)	USCG LNM: 06/09/2009 (06/09/2009) NGA NTM: 08/07/2004 (06/20/2009)
11378	34th	02/01/2006	1:40,000 (11378_1)	USCG LNM: 05/22/2007 (09/11/2007) NGA NTM: 08/07/2004 (09/15/2007)
11382	40th	02/01/2004	1:80,000 (11382_1)	[L]NTM: ?
11360	41st	03/01/2005	1:456,394 (11360_1)	[L]NTM: ?
1115A	41st	03/01/2005	1:456,394 (1115A_1)	[L]NTM: ?
11006	32nd	08/01/2005	1:875,000 (11006_1)	[L]NTM: ?
411	51st	12/01/2006	1:2,160,000 (411_1)	[L]NTM: ?

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

## Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	3_100 pipe end, charted	SSS	[None]	30° 23' 16.2" N	087° 13' 04.6" W	---
1.2	266/1 2.5ft shoal uncharted	Shoal	0.78 m	30° 23' 54.9" N	087° 14' 17.8" W	---

**1 - DR\_Charted**

## 1.1) 3\_100 pipe end, charted

### Survey Summary

**Survey Position:** 30° 23' 16.2" N, 087° 13' 04.6" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2008-101.03:41:52 (04/10/2008)  
**Survey Line:** h11765 / 1211\_sss500k / 2008-098 / h11765080407182000  
**Contact/Point:** 0002/1  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

This is the farthest geographical reach of the terminus of the sewer outfall as per the 200% SSS data. Chart should reflect this as it currently is ~175m short of actual terminus.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/1211_sss500k/2008-098/h11765080407182000	0002	0.00	000.0	Primary
h11765/1211_sss500k/2008-098/h11765080407184300	0002	7.58	144.1	Secondary (grouped)
h11765/s3004_klein5000_200/2008-191/070_1707	0001	43.19	158.5	Secondary (grouped)
h11765/s3004_klein5000_200/2008-191/071_1723	0001	179.93	167.3	Secondary (grouped)
h11765/s3004_klein5000_200/2008-191/072_1739	0001	297.58	167.2	Secondary (grouped)

### Hydrographer Recommendations

Hydrographer recommends modifying charted sewer outfall to reflect actual geographic terminus.

### S-57 Data

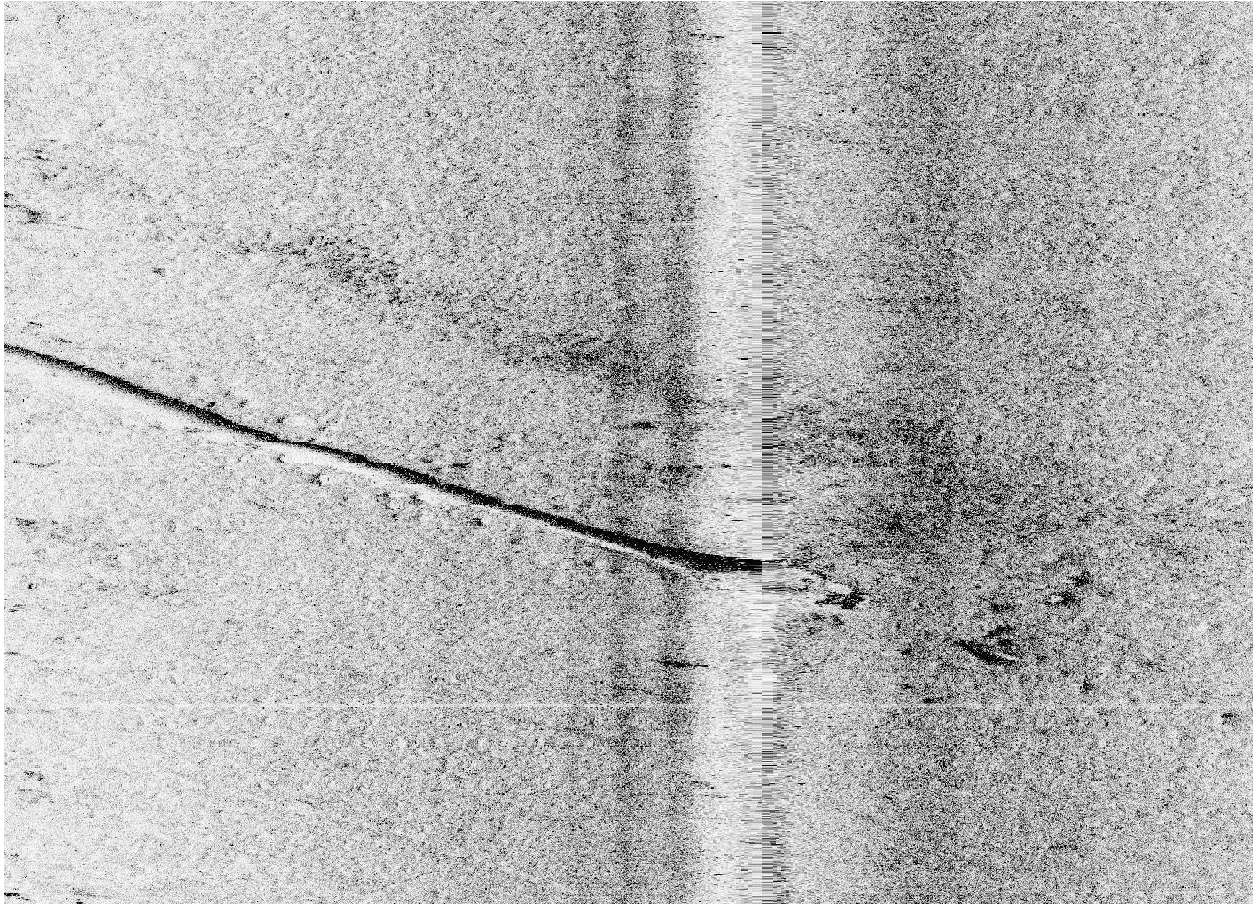
**Geo object 1:** Pipeline, submarine/on land (PIPSOL)  
**Attributes:** CATPIP - 2,4:outfall pipe,sewer  
 SORDAT - 20090403  
 SORIND - US,US,survey,H11765

## Office Notes

Reviewer recommends modifying chartered sewer outfall to reflect actual geographic terminus.



## Feature Images



*Figure 1.1.1*

## 1.2) 266/1 2.5ft shoal uncharted

### Survey Summary

**Survey Position:** 30° 23' 54.9" N, 087° 14' 17.8" W  
**Least Depth:** 0.78 m (= 2.55 ft = 0.425 fm = 0 fm 2.55 ft)  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh)  $\pm 1.963$  m ; TVU (TPEv)  $\pm 0.559$  m  
**Timestamp:** 2009-093.15:31:41.180 (04/03/2009)  
**Survey Line:** h11765 / s3004\_sb / 2009-093 / 005\_1531  
**Profile/Beam:** 266/1  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

Shoal identified in SBES and SSS data. Contact position reflects current position of shoal. This channel was dredged to spec by the USACE in June 2008.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/s3004_sb/2009-093/005_1531	266/1	0.00	000.0	Primary
h11765/s3004_klein5000_100/2009-093/005_1531	0003	3.96	267.1	Secondary (grouped)

### Hydrographer Recommendations

Hydrographer recommends removing PA from Shoal PA and charting shoal to reflect current survey position.

#### Cartographically-Rounded Depth (Affected Charts):

2ft (11383\_1, 11378\_1, 11382\_1)

0 ¼fm (1115A\_1, 11360\_1, 11006\_1, 411\_1)

### S-57 Data

**Geo object 1:** Sounding (SOUNDG)  
**Attributes:** EXPSOU - 2:shoaler than range of depth of the surrounding depth area  
 QUASOU - 1,2,3,4:depth known,depth unknown,doubtful sounding,unreliable sounding  
 SORDAT - 20090403  
 SORIND - US,US,Survey,H11765  
 TECSOU - 1:found by echo-sounder

VERDAT - 12:Mean lower low water

## **Office Notes**

Reviewer recommends deferring charting action to MCD.

### Feature Images

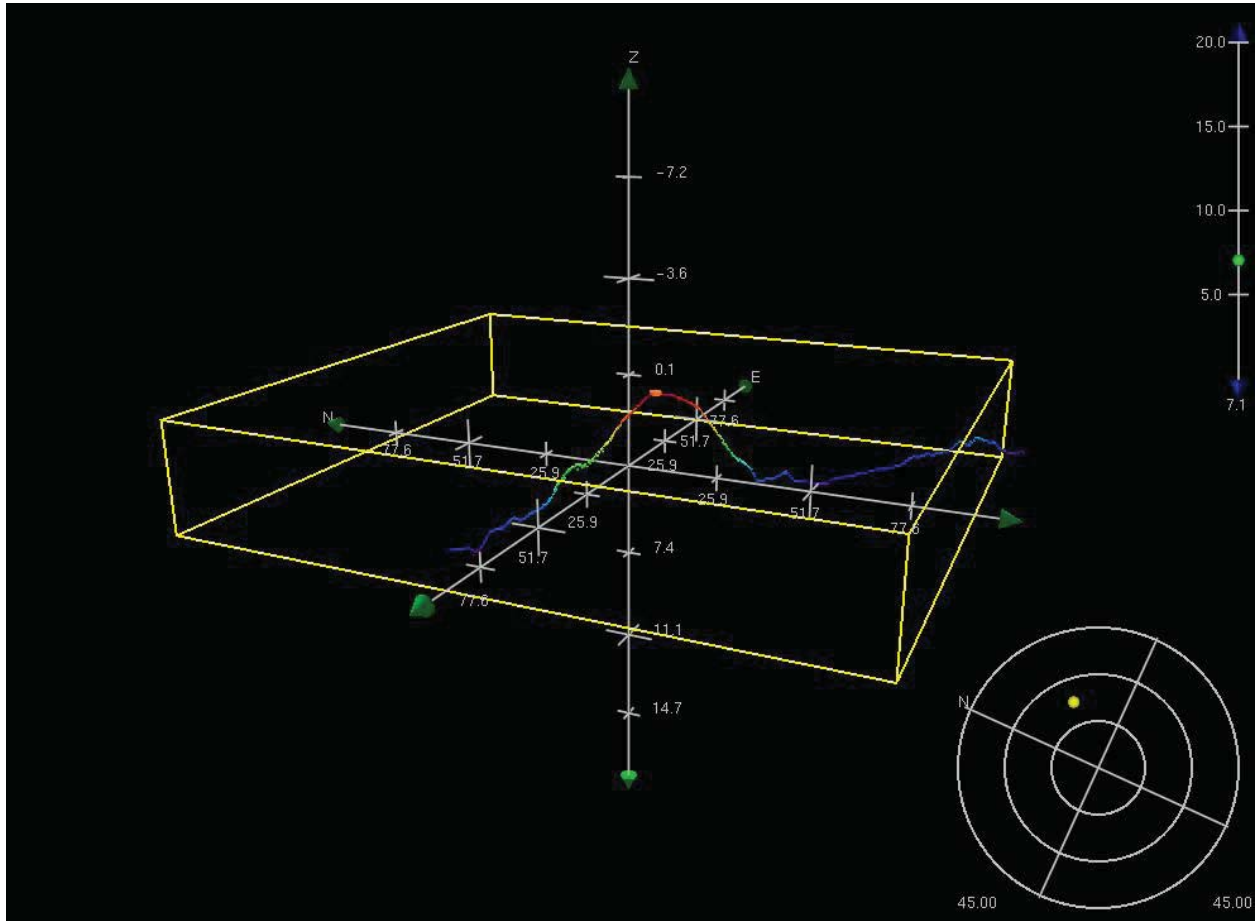


Figure 1.2.1

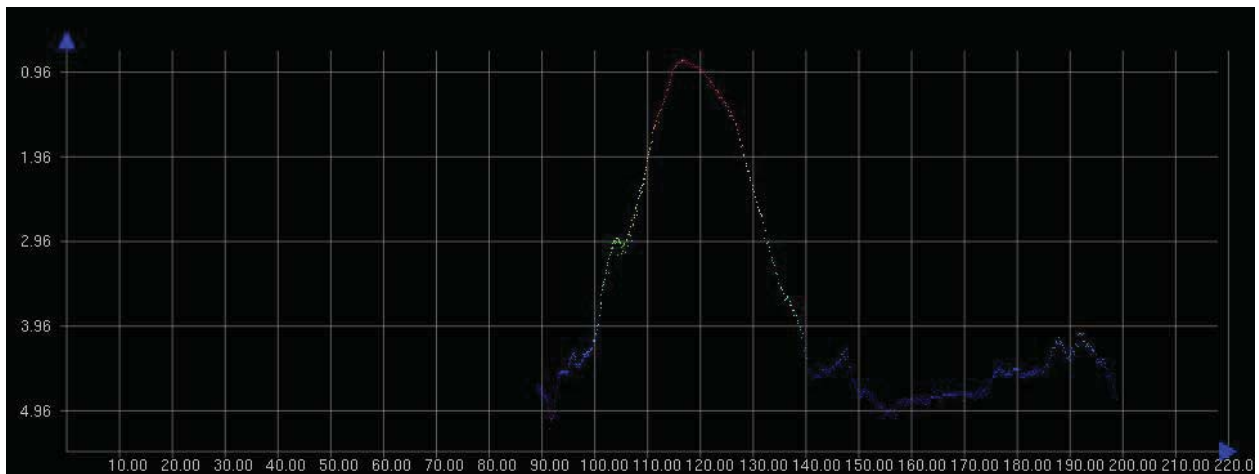


Figure 1.2.2

# H11765 \_UnCharted\_ Appendix II

**Registry Number:** H11765  
**State:** Florida  
**Locality:** Pensacola Bay  
**Sub-locality:** West of Old Navy Cove to Pensacola's Inner Harbor  
**Project Number:** S-J917-NRT1-07  
**Survey Dates:** 03/16/2009 - 11/24/2009

## Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
11383	51st	01/01/2006	1:30,000 (11383_1)	USCG LNM: 06/09/2009 (06/09/2009) NGA NTM: 08/07/2004 (06/20/2009)
11378	34th	02/01/2006	1:40,000 (11378_1)	USCG LNM: 05/22/2007 (09/11/2007) NGA NTM: 08/07/2004 (09/15/2007)
11382	40th	02/01/2004	1:80,000 (11382_1)	[L]NTM: ?
11360	41st	03/01/2005	1:456,394 (11360_1)	[L]NTM: ?
1115A	41st	03/01/2005	1:456,394 (1115A_1)	[L]NTM: ?
11006	32nd	08/01/2005	1:875,000 (11006_1)	[L]NTM: ?
411	51st	12/01/2006	1:2,160,000 (411_1)	[L]NTM: ?

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

## Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	519/184 20.8ft dangerous wreck Uncharted	Wreck	6.34 m	30° 23' 52.7" N	087° 13' 11.9" W	---
1.2	AWOIS 12463	Wreck	[None]	30° 23' 46.2" N	087° 13' 33.4" W	---

**1 - DR\_UnCharted**

## 1.1) 519/184 20.8ft dangerous wreck Uncharted

### Survey Summary

**Survey Position:** 30° 23' 52.7" N, 087° 13' 11.9" W  
**Least Depth:** 6.34 m (= 20.82 ft = 3.469 fm = 3 fm 2.82 ft)  
**TPU ( $\pm 1.96\sigma$ ):** **THU (TPEh)**  $\pm 1.998$  m ; **TVU (TPEv)**  $\pm 0.456$  m  
**Timestamp:** 2009-075.15:39:31.007 (03/16/2009)  
**Survey Line:** h11765 / s3004\_reson8125 / 2009-075 / 000\_1539  
**Profile/Beam:** 519/184  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

Contact detected in 200% SSS coverage and investigated with MBES. Least depth found is significant due to current charted depths.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/s3004_reson8125/2009-075/000_1539	519/184	0.00	000.0	Primary
h11765/s3004_klein5000_100/2008-311/021_1653	0001	13.50	225.2	Secondary
h11765/s3004_klein5000_200/2008-219/078_1639	0004	24.03	083.8	Secondary
h11765/s3004_klein5000_200/2008-219/078_1639	0001	25.89	088.4	Secondary

### Hydrographer Recommendations

Hydrographer recommends charting non-dangerous Wreck in current survey position.

#### Cartographically-Rounded Depth (Affected Charts):

21ft (11383\_1, 11378\_1, 11382\_1)

3 ½fm (1115A\_1, 11360\_1, 11006\_1, 411\_1)

### S-57 Data

**Geo object 1:** Wreck (WRECKS)  
**Attributes:** CATWRK - 2:dangerous wreck  
 CONVIS - 2:not visual conspicuous  
 QUASOU - 1:depth known

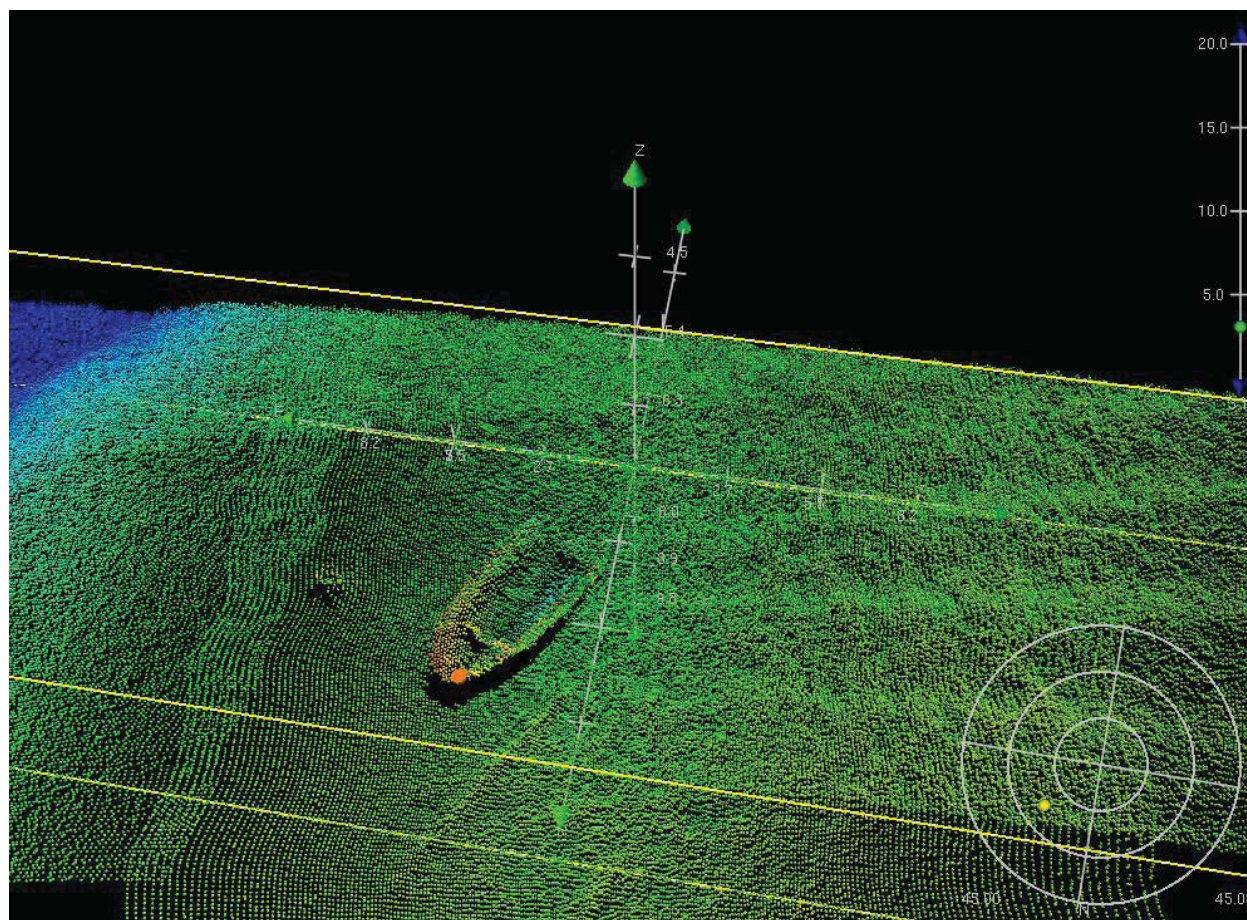
SORDAT - 20090403  
SORIND - US,US,nsurf,H11765  
TECSOU - 3:found by multi-beam  
VALSOU - 6.345 m  
VERDAT - 12:Mean lower low water  
WATLEV - 3:always under water/submerged

### **Office Notes**

Reviewer recommends charting dangerous wreck in current survey position.



### Feature Images



*Figure 1.1.1*

## 1.2) AWOIS 12463

### Survey Summary

**Survey Position:** 30° 23' 46.2" N, 087° 13' 33.4" W  
**Least Depth:** [None]  
**TPU ( $\pm 1.96\sigma$ ):** THU (TPEh) [None] ; TVU (TPEv) [None]  
**Timestamp:** 2009-328.05:32:42 (11/24/2009)  
**Survey Line:** h11765 / 1211\_sss500k / 2008-112 / h11765080421173100  
**Contact/Point:** 0002/1  
**Charts Affected:** 11383\_1, 11378\_1, 11382\_1, 1115A\_1, 11360\_1, 11006\_1, 411\_1

#### Remarks:

AWOIS item 12463 was identified by the compiler in the SSS data. The location has been modified.

### Feature Correlation

Address	Feature	Range	Azimuth	Status
h11765/1211_sss500k/2008-112/h11765080421173100	0002	0.00	000.0	Primary

### Hydrographer Recommendations

The AWOIS item should be relocated to a location in between the two SSS contact locations.

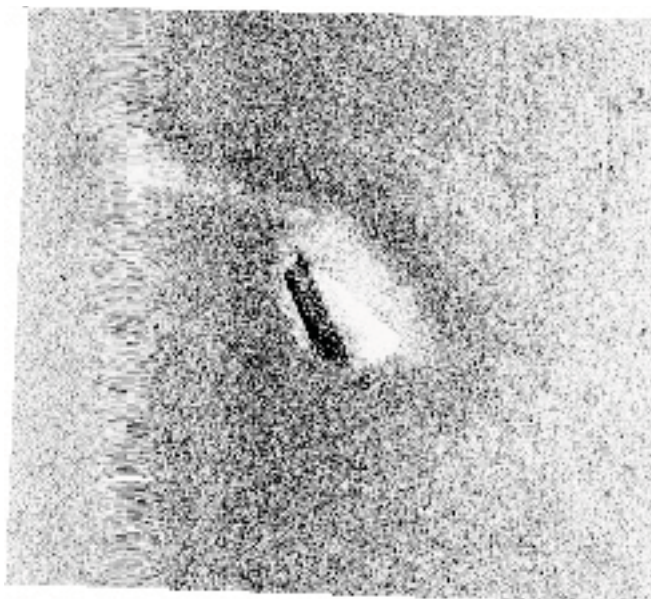
### S-57 Data

**Geo object 1:** Wreck (WRECKS)  
**Attributes:** CATWRK - 2:dangerous wreck  
 OBJNAM - AWOIS 12463  
 QUASOU - 2:depth unknown  
 SORDAT - 20090403  
 SORIND - US,US,survey,H11765  
 TECSOU - 2:found by side scan sonar  
 VERDAT - 12:Mean lower low water  
 WATLEV - 3:always under water/submerged

## Office Notes

Chart the AWOIS item dangerous wreck PA at the current survey position.

### Feature Images



*Figure 1.2.1*



*Figure 1.2.2*



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

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE :** April 16, 2009

**HYDROGRAPHIC BRANCH:** Atlantic  
**HYDROGRAPHIC PROJECT:** S-J917-NRT1-2007  
**HYDROGRAPHIC SHEET:** H11765

**LOCALITY:** West of Old Navy Cove to Pensacola's inner Harbor, FL  
**TIME PERIOD:** April 2 - November 6, 2008  
March 12 - April 3, 2009

**TIDE STATION USED:** 872-9840 Pensacola, FL  
Lat. 30° 24.2' N Long. 87° 12.8' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.374 meters

**TIDE STATION USED:** 872-9108 Panama City, FL  
Lat. 30° 09.1' N Long. 85° 40.0' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.395 meters

**REMARKS: RECOMMENDED ZONING**

Preliminary zoning is accepted as the final zoning for project S-J917-NRT1-2007, H11765, during the time period between April 2, 2008 and April 3, 2009

Please use the zoning file "J917NRT12007CORP" submitted with the project instructions for J917NRT12007. Zones CGM17, CGM18 & CGM18B are the applicable zones for H11765.

**Refer to attachments for zoning 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).

---

CHIEF, OCEANOGRAPHIC DIVISION



SOUNDINGS IN FEET

11383



UNITED STATES

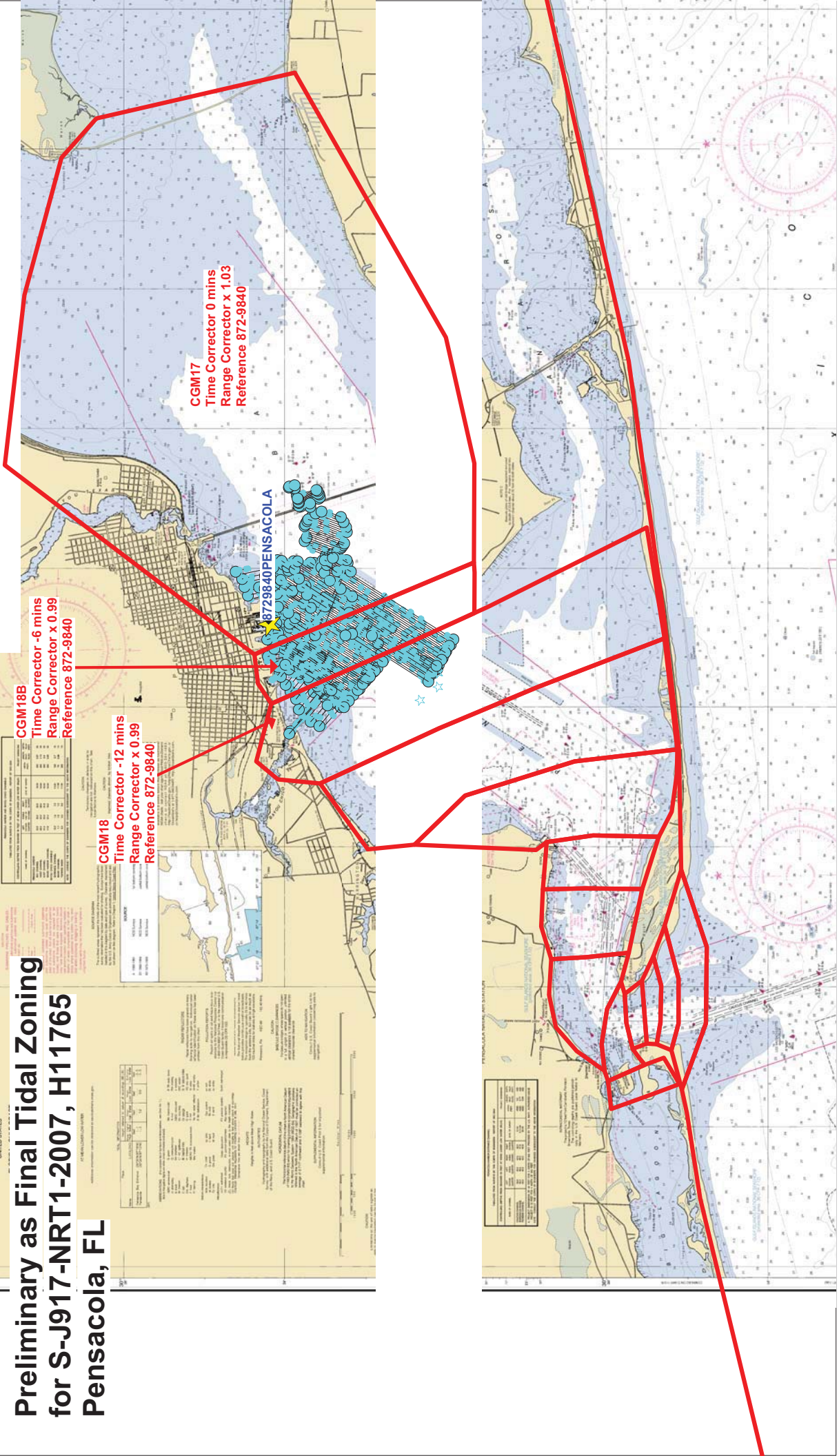
# Preliminary as Final Tidal Zoning for S-J917-NRT1-2007, H11765 Pensacola, FL

**CGM18B**  
Time Corrector -6 mins  
Range Corrector x 0.99  
Reference 872-9840

**CGM18**  
Time Corrector -12 mins  
Range Corrector x 0.99  
Reference 872-9840

**CGM17**  
Time Corrector 0 mins  
Range Corrector x 1.03  
Reference 872-9840

8728840 PENSACOLA





**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**

NOAA NRT-1 (N/CS53x1)  
12295 State Hwy 180, c/o Bon Secour NWR  
Gulf Shores, AL 36542

April 06, 2009

MEMORANDUM FOR: Chief, Requirements and Development Division, N/OPS1

FROM: Mark McMann, NOAA NRT-1 (N/CS53x1)

SUBJECT: Request for Approved Tides/Water Levels

Please provide the following data:

1. Tide Note
2. Final zoning in MapInfo and .MIX format
3. Six Minute Water Level data (Co-ops web site)

Transmit data to the following:

<Unknown 'Data Transmit Address' (Pydro: Config...PSS Metadata)>

These data are required for the processing of the following hydrographic survey:

Project No.: S-J917-NRT1-07  
Registry No.: H11765  
State: Florida  
Locality: Pensacola Bay  
Sublocality: West of Old Navy Cove to Pensacola's Inner Harbor

Attachments containing:

- 1) an Abstract of Times of Hydrography,
- 2) digital MID MIF files of the track lines from Pydro



---

Year_DOY	Min Time	Max Time
2008_093	14:20:00	19:25:25
2008_098	14:32:21	19:09:28
2008_112	18:06:00	18:06:00
2008_128	16:16:40	16:16:40
2008_145	14:14:02	17:57:18
2008_146	13:53:45	19:02:54
2008_147	14:59:40	16:08:48
2008_191	15:10:00	18:24:32
2008_192	15:21:15	16:00:36
2008_219	16:21:14	17:36:37
2008_220	14:37:07	19:25:29
2008_311	15:43:36	19:14:52
2009_071	16:53:52	17:19:17
2009_075	14:39:09	15:49:34
2009_078	16:03:41	19:27:28
2009_093	15:22:06	16:05:11



Dear Tim Osborn,

There is an area of shoaling that was surveyed by NRT 1 in the Pensacola Harbor East Channel for project H11765. The Corps of Engineers data also surveyed the channel in July 2009. There are discrepancies in depths.

At this time charting action will not be taken by AHB. The survey H11765 H-Cell will be documented in the Evaluation Report which will detail AHB decision to defer charting action to MCD. It will suggest that a revision of the Corps of Engineers tabulation is necessary and to contact necessary parties this discrepancy may impact. Project instruction for H11765 inform us that the Port of Pensacola is expanding to accommodate larger bulk carriers and barge traffic and is anticipating carriers with drafts of 36ft to be visiting the port in the near future.

Attached is a document that includes a table of depths shoaler than the tabulation, the latest Army Corp of Engineers tabulated chart, and a few images where shoal soundings fall within the channel.

This document will be included in DR Appendix Supplementary\_Survey\_Records.

Regards,

Nikki Trenholm

- (a) The Pensacola Harbor East Channel depths differed from the depth values within the allowable controlling depths stated in the above channel tabulation. The image below is the chart tabulation for the channels on raster chart 11383\_1.:

PENSACOLA HARBOR AND BAYOU CHICO CHANNELS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
<b>PENSACOLA HARBOR</b>							
BAY CHANNEL	33.0	33.0	32.5	7-09	300	2.7	33
WEST CHANNEL	27.1	27.1	27.4	7-09	300	1.3	33
EAST CHANNEL	32.4	32.2	31.4	7-09	300	0.8	33
HARBOR CHANNEL	26.8	26.7	27.3	7-09	500	0.9	33
<b>BAYOU CHICO CHANNELS</b>							
ENTRANCE CHANNEL	16.9	16.8	14.4	4-09	100	0.8	15
INNER CHANNEL	16.7	13.7	12.9	4-09	75	1.1	14
TURNING BASIN	6.9	9.3	9.3	4-09	500	-	14

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

**Figure 1: Chart 11383\_1 channel tabulation**

Below are two images of the East channel. The selected soundings that do not fall within tabulation are displayed in blue within the channel.

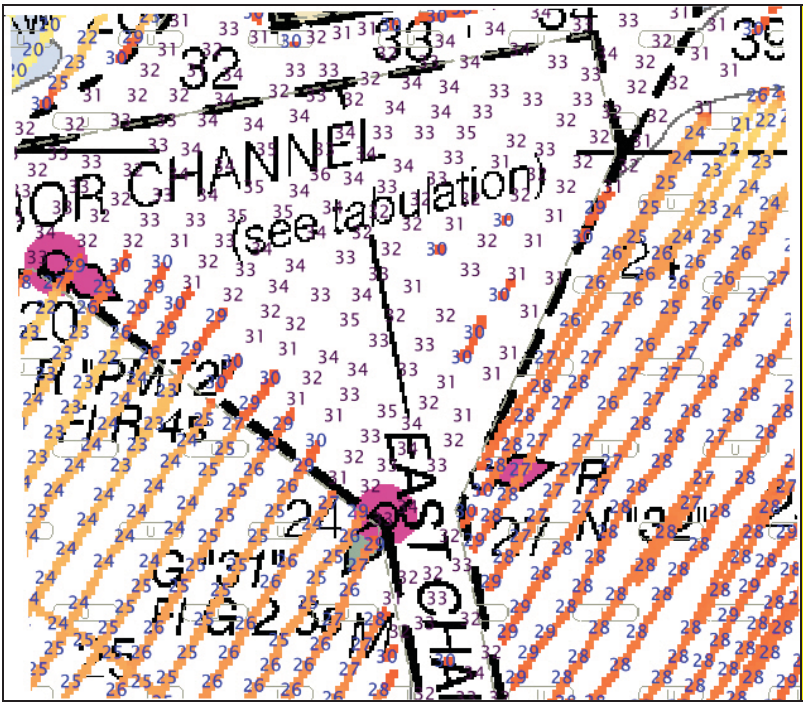


Figure 2: East Channel

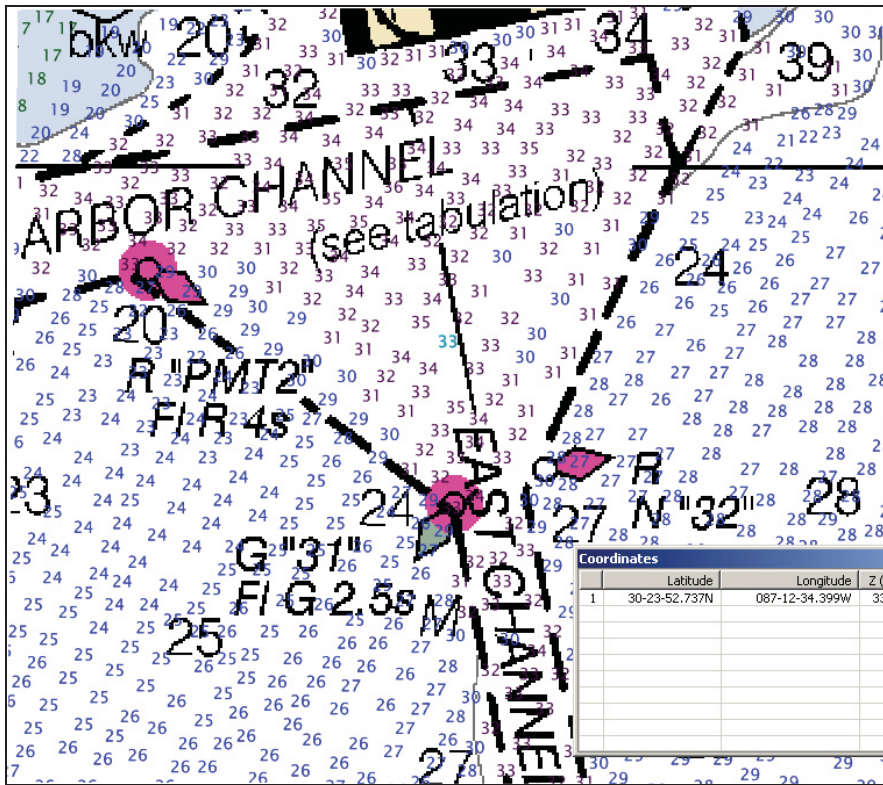


Figure 3: East Channel

The Table below provides a list of the location and depth shoaler than the tabulation.

Latitude	Latitude2	Depth (M)
30-23-49.156N	087-12-39.075W	8.856
30-23-52.402N	087-12-40.581W	9.476
30-23-48.509N	087-12-37.200W	9.196
30-23-55.639N	087-12-48.084W	8.789
30-23-53.556N	087-12-29.903W	9.188
30-23-52.418N	087-12-30.463W	9.23
30-23-55.020N	087-12-28.594W	9.328
30-23-54.532N	087-12-28.968W	9.314
30-23-55.642N	087-12-46.022W	9.072
30-23-55.151N	087-12-48.457W	8.966
30-23-53.700N	087-12-41.709W	8.97
30-23-40.235N	087-12-31.374W	9.325

30-23-54.019N	087-12-45.270W	8.774
30-23-49.644N	087-12-38.702W	8.948
30-23-56.315N	087-12-31.783W	9.362
30-23-53.531N	087-12-45.456W	8.67
30-23-50.291N	087-12-40.202W	9.054
30-23-54.341N	087-12-46.957W	8.85
30-23-51.426N	087-12-41.329W	9.212
30-23-56.126N	087-12-47.897W	9.281
30-23-56.130N	087-12-45.836W	9.286
30-23-54.185N	087-12-43.209W	9.228
30-23-53.212N	087-12-42.082W	9.012
30-23-51.267N	087-12-39.267W	9.254
30-23-55.320N	087-12-44.148W	9.259
30-23-52.883N	087-12-44.330W	8.894
30-23-53.069N	087-12-30.090W	9.093
30-23-52.724N	087-12-42.269W	9.289
30-23-51.914N	087-12-40.955W	9.203
30-23-54.994N	087-12-44.709W	8.964
30-23-52.399N	087-12-42.830W	8.791
30-23-50.938N	087-12-41.703W	9.294
30-23-50.132N	087-12-38.328W	9.249
30-23-54.672N	087-12-43.022W	9.362
30-23-53.371N	087-12-44.144W	8.926
30-23-50.617N	087-12-39.641W	9.101
30-23-55.316N	087-12-46.584W	8.98
30-23-26.112N	087-12-25.723W	9.341
30-23-53.859N	087-12-43.770W	9.037
30-23-25.625N	087-12-25.347W	9.208

30-23-54.507N	087-12-44.896W	8.859
30-23-57.457N	087-12-28.787W	9.308
30-23-54.829N	087-12-46.770W	8.859

**Figure 4: Table of East Channel depths shoaler than tabulation**

From Tim Osborn <Tim.Osborn@noaa.gov>  
Sent Tuesday, December 1, 2009 4:09 pm  
To "'Nicole.Trenholm@noaa.gov'" <Nicole.Trenholm@noaa.gov> ,  
"'Tim.Osborn@noaa.gov'" <Tim.Osborn@noaa.gov>  
Cc "'Richard.T.Brennan@noaa.gov'" <Richard.T.Brennan@noaa.gov> ,  
"'Castle.E.Parker@noaa.gov'" <Castle.E.Parker@noaa.gov> ,  
"'edward.owens@noaa.gov'" <Edward.Owens@noaa.gov> ,  
"'Lawrence.T.Krepp@noaa.gov'" <Lawrence.T.Krepp@noaa.gov> ,  
"'Ed.Martin@noaa.gov'" <Ed.Martin@noaa.gov>  
Subject Re: H11765 Pensacola Harbor Soundings Exceeding tabulated limits  
Nikki

This has been forwarded and a call to the local USACE field is being made

Thank you

/r

Tim

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

From: Nicole.Trenholm@noaa.gov <Nicole.Trenholm@noaa.gov>  
To: tim.osborn@noaa.gov <tim.osborn@noaa.gov>  
Cc: richard.t.brennan@noaa.gov <richard.t.brennan@noaa.gov>;  
castle.e.parker@noaa.gov <castle.e.parker@noaa.gov>;  
edward.owens@noaa.gov <edward.owens@noaa.gov>; lawrence.t.krepp@noaa.gov  
<lawrence.t.krepp@noaa.gov>; ed.martin@noaa.gov <ed.martin@noaa.gov>  
Sent: Tue Dec 01 15:59:20 2009  
Subject: H11765 Pensacola Harbor Soundings Exceeding tabulated limits

Dear Tim Osborn,

There is an area of shoaling that was surveyed by NRT 1 in the Pensacola Harbor East Channel for project H11765. The Corps of Engineers data also surveyed the channel in July 2009. There are discrepancies in depths. At this time charting action will not be taken by AHB. The survey H11765 H-Cell will be documented in the Evaluation Report which will detail AHB decision to defer charting action to MCD. It will suggest that a revision of the Corps of Engineers tabulation is necessary and to contact necessary parties this discrepancy may impact. Project instruction for H11765 inform us that the Port of Pensacola is expanding to accommodate larger bulk carriers and barge traffic and is anticipating carriers with drafts of 36ft to be visiting the port in the near future.

Attached is a document that includes a table of depths shoaler than the tabulation, the latest Army Corp of Engineers tabulated chart, and a few images where shoal soundings fall within the channel.

This document will be included in DR Appendix

Supplementary\_Survey\_Records.

Regards,

Nikki Trenholm

This Document is for Office Process use only and is intended to supplement, not supersede or replace, information/recommendations in the Descriptive or Evaluation Reports

## AHB COMPILATION LOG

General Survey Information	
REGISTRY No.	H11765
PROJECT No.	S-J917-NRT1-07
FIELD UNIT	NRT-1
DATE OF SURVEY	20090403
LARGEST SCALE CHART	<i>11383_1, edition 51, 20090827, 1:30k</i>
ADDITIONAL CHARTS	<i>11382_1, edition 40, 20090801, 1:80k</i> <i>11378_1, edition 36, 20090701, 1:40k</i>
SOUNDING UNITS	(feet)
COMPILER	Nikki Trenholm

Source Grids	File Name
	H:\Compilation\H11765_J917-NRT1\AHB_H11765\E-SAR Final Products\GRIDS
	E-SAR Final Products\GRIDS\ H11765_MBES_50cm_Final.hns
	E-SAR Final Products\GRIDS\ H11765_SBES_5m_Extract.hns
	E-SAR Final Products\GRIDS\ test.hns
Surfaces	File Name
	H:\Compilation\H11765_J917-NRT1\AHB_H11765\COMPILE
<i>Combined</i>	<b>H11765_5m_Combined.hns</b>
<i>Interpolated TIN</i>	H:\Compilation\H11765_J917-NRT1\AHB_H11765\COMPILE\Working\Interpolated TIN\H11765_Interp TIN_5m.hns
<i>Shifted Interpolated TIN</i>	H:\Compilation\H11765_J917-NRT1\AHB_H11765\COMPILE\Working\Interpolated TIN\Shifted Surface\ H11765_InterpTIN_shifted.hns
Final HOBs	File Name
	H:\Compilation\H11765_J917-NRT1\AHB_H11765\COMPILE\Final_Hobs
<i>Survey Scale Soundings</i>	<b>H11765_SS_Sounding.hob</b>
<i>Chart Scale Soundings</i>	<b>H11765_CS_Soundings.hob</b>
<i>Contour Layer</i>	<b>H11765_contours.hob</b>
<i>Feature Layer</i>	<b>H11765_Features.hob</b>
<i>Meta-Objects Layer</i>	<b>H11765_MetaObjects.hob</b>
<i>Blue Notes</i>	<b>H11765_BlueNotes.hob</b>
<i>ENC Retained Features</i>	<b>H11765_ENC_Retain_Features.hob</b>

Meta-Objects Attribution	
Acronym	Value
<b>M_COVR</b>	
CATCOV	1
SORDAT	20090403
SORIND	US,US,survey,H11765
<b>M_QUAL</b>	
CATZOC	U
INFORM	S-J917-NRT1-07, H11765, 1211 and 3004
POSACC	1
SORDAT	20090403
SORIND	US,US,survey,H11765
SUREND	20090403

[Type text]





**ATLANTIC HYDROGRAPHIC BRANCH  
EVALUATION REPORT to ACCOMPANY  
SURVEY H11765 (2009)**

This Evaluation Report has been written to supplement and/or clarify the original Descriptive Report. Sections in this report refer to the corresponding sections of the Descriptive Report.

**B. DATA ACQUISITION AND PROCESSING**

**B.1 DATA PROCESSING**

The following software was used to process data at the Atlantic Hydrographic Branch:

HSTP PYDRO version 8.7 r2586  
CARIS HIPS/SIPS version 6.1 SP2 HF 1-8  
CARIS Bathy Manager version 2.1 SP1 HF 1-10  
DKART INSPECTOR, version 5.0 Build 707  
CARIS HOM version 3.3  
CARIS S57 Composer version 2.0,1.0

**B.2.1. H-Cell**

The AHB source depth grid for the survey's nautical chart update product entailed extracting the shoal soundings from the field's original 5m vertical beam grids and combining them with the 0.5m multibeam grids to create a product surface grid with a resolution of 5m. The survey scale soundings were created from the combined surface at 1mm radius at a 1:10,000 scale. The chart scale selected soundings are a subset of the survey scale selected soundings. The automated chart scale selection was created at 275m distance on the ground and manually edited. The surface model was referenced when selected the chart scale soundings, to ensure that the selected soundings portrayed the bathymetry within the common area.

A TIN (Triangulated Irregular Network) was created from the survey scale soundings from which an interpolated surface was generated for the purpose of generating depth contours. Depth contours were manually edited and forwarded to MCD for reference only. The depth contours were utilized during chart scale sounding selection and quality assurance efforts and AHB. The depth contours are incorporated into the SS H-Cell product as per 2009 H-Cell Specifications.

The pre-compilation components (Stand Alone HOB files (SAHOB)) are detailed in the Compilation Process Log attached at the end of this document. The SAHOB files included depth areas (DEPARE), depth contours (DEPCNT), sounding selections (SOUNDG), features (OBSTRN, WRECKS), Meta objects (M\_COVR, M\_QUAL), and cartographic Blue Notes (\$CSYMB).

All of the components with the exception of the sounding selection and depth contours were inserted into one feature layer (including the Bluenotes, as dictated by Hydrographic Technical Directive 2008-8 and HSD's H-Cell Specifications 2009). The SAHOB H-Cell layer was exported to S-57 format for H-Cell deliverable. H11765 H-Cell chart scale selected soundings were selected based upon the scale of the appropriate chart. The H-Cell's SS deliverable includes survey scale sounding selected and depth contours.

Both S-57 files were converted in CARIS HOM for output of H-Cell in chart units (feet). The final deliverables are two S-57 files; one that contains the chart soundings, all the features, Meta objects, and Bluenotes (H11765\_CS.000), and one that contains the sounding selections and depth contours (H11765\_SS.000). Quality assurance checks were made utilizing CARIS S-57 Composer version 2.0 validation checks and DKART INSPECTOR, version 5.0, tests.

Chart compilation was performed by Atlantic Hydrographic Branch personnel in Norfolk, Virginia. Compilation data will be forwarded to Marine Chart Division, Silver Spring, Maryland.

The H11765 CARIS H-Cell final deliverables include the following products:

H11765_CS.000	1:30,000 Scale	H11765 H-Cell with chart-scale selected soundings, metaobjects, bluenotes, retained ENC features, features
H11765_SS.000	1:30,000 Scale	H11765 Selected Soundings, contours

**B.22. Junctions**

Survey H11765 (2009) junctions with survey H11764 (2009) to the south. Present survey soundings compare within 1 to 2 feet. Present survey depths are in harmony with the charted hydrography.

**D. RESULTS AND RECOMMENDATIONS**

***D.1 Chart Comparison***

**RNC:**

11382\_1 (40<sup>th</sup> Edition, Aug. /09)  
 Corrected through LNM 11/21/2009  
 Corrected through LNM 11/18/2009  
 Scale 1:80,000

11383\_1 (51<sup>th</sup> Edition, Aug. /09)  
Corrected through LNM 11/21/2009  
Corrected through LNM 11/18/2009  
Scale 1:30,000

11378\_1 (36<sup>th</sup> Edition, July /09)  
Corrected through LNM 11/21/2009  
Corrected through LNM 11/18/2009  
Scale 1:40,000

**ENC:**

US5FL72M  
Pensacola Bay  
Edition 14  
Application Date 2009-10-19  
Issue Date 2009-10-23  
Chart 11383

**D.1.1 Hydrography**

The charted hydrography originates with prior surveys and requires no further consideration. The hydrographer makes adequate chart comparisons in section “D” and Appendix 1 & 2 of the Descriptive Report, except for the following:

- The field unit did not obtain bottom samples as indicated in the Letter Instructions. The spatial and feature attributes of additional SBDARE point features were carried forward from the ENC (US5FL72M).
- During office evaluation AWOIS 12463 item was not thoroughly investigated due to the shallow depth that it is located. The AWOIS item appeared to be in the sidescan upon an additional branch sidescan review. In Appendix II this feature is recommended to be charted at the current surveyed position found during branch review.
- There were many charted features that were not addressed within the inshore areas. This prompted a thorough branch sidescan review which had allowed the compiler to determine the existence of the features and recommend whether to retain, remove, or relocate them. Significant pile features were located in sidescan during this process and a non-charted obstruction was identified but determined insignificant due to its close proximity to an uncharted wreck. See Appendix II.

- Charted submerged piles were not sufficiently addressed to be approved or disproved. The sidescan 200% coverage does not encompass AWOIS 12503 and AWOIS 12502 submerged piles. The field recommended to modify the piles positions and the branch reviewer determined all piles should be retained. It should be noted that the field should have commented the reason why the AWOIS disproval technique notes (such as stated below) were not considered during SS acquisition for feature disproval. Please see H11765 \_AWOIS\_ Appendix II 1.8) 18\_100 AWOIS 12503 piles and 1.9) 16\_200 AWOIS 12502, Piles.

“SEARCH 40 METERS ON BOTH SIDES OF AXIS FORMED BETWEEN THE FOLLOWING TWO POINTS: 30°23'56.7N - 087°14'18.5"W AND 30°23'51.0N - 087°14'11.3"W. SEARCH AREA ON SOUTH SIDE OF AXIS CAN STOP AT CHANNEL LIMIT.”



**Figure 1: AWOIS 12503**



- The Pensacola Harbor East Channel depths differed from the depth values within the allowable controlling depths stated in the below channel tabulation. The image below is the chart tabulation for the channels on raster chart 11383\_1:

PENSACOLA HARBOR AND BAYOU CHICO CHANNELS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
<b>PENSACOLA HARBOR</b>							
BAY CHANNEL	33.0	33.0	32.5	7-09	300	2.7	33
WEST CHANNEL	27.1	27.1	27.4	7-09	300	1.3	33
EAST CHANNEL	32.4	32.2	31.4	7-09	300	0.8	33
HARBOR CHANNEL	26.8	26.7	27.3	7-09	500	0.9	33
<b>BAYOU CHICO CHANNELS</b>							
ENTRANCE CHANNEL	16.9	16.8	14.4	4-09	100	0.8	15
INNER CHANNEL	16.7	13.7	12.9	4-09	75	1.1	14
TURNING BASIN	6.9	9.3	9.3	4-09	500	-	14

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

**Figure 3: Chart 11383\_1 channel tabulation**

Below are two images of the East channel. The selected soundings that do not fall within tabulation are displayed in blue within the channel. They are 29-30ft soundings.





The Table below provides a list of the location and depths shoaler than the tabulation.

Latitude	Latitude2	Depth (M)
30-23-49.156N	087-12-39.075W	8.856
30-23-52.402N	087-12-40.581W	9.476
30-23-48.509N	087-12-37.200W	9.196
30-23-55.639N	087-12-48.084W	8.789
30-23-53.556N	087-12-29.903W	9.188
30-23-52.418N	087-12-30.463W	9.23
30-23-55.020N	087-12-28.594W	9.328
30-23-54.532N	087-12-28.968W	9.314
30-23-55.642N	087-12-46.022W	9.072
30-23-55.151N	087-12-48.457W	8.966
30-23-53.700N	087-12-41.709W	8.97
30-23-40.235N	087-12-31.374W	9.325
30-23-54.019N	087-12-45.270W	8.774
30-23-49.644N	087-12-38.702W	8.948
30-23-56.315N	087-12-31.783W	9.362
30-23-53.531N	087-12-45.456W	8.67
30-23-50.291N	087-12-40.202W	9.054
30-23-54.341N	087-12-46.957W	8.85
30-23-51.426N	087-12-41.329W	9.212
30-23-56.126N	087-12-47.897W	9.281
30-23-56.130N	087-12-45.836W	9.286
30-23-54.185N	087-12-43.209W	9.228
30-23-53.212N	087-12-42.082W	9.012
30-23-51.267N	087-12-39.267W	9.254
30-23-55.320N	087-12-44.148W	9.259
30-23-52.883N	087-12-44.330W	8.894

30-23-53.069N	087-12-30.090W	9.093
30-23-52.724N	087-12-42.269W	9.289
30-23-51.914N	087-12-40.955W	9.203
30-23-54.994N	087-12-44.709W	8.964
30-23-52.399N	087-12-42.830W	8.791
30-23-50.938N	087-12-41.703W	9.294
30-23-50.132N	087-12-38.328W	9.249
30-23-54.672N	087-12-43.022W	9.362
30-23-53.371N	087-12-44.144W	8.926
30-23-50.617N	087-12-39.641W	9.101
30-23-55.316N	087-12-46.584W	8.98
30-23-26.112N	087-12-25.723W	9.341
30-23-53.859N	087-12-43.770W	9.037
30-23-25.625N	087-12-25.347W	9.208
30-23-54.507N	087-12-44.896W	8.859
30-23-57.457N	087-12-28.787W	9.308
30-23-54.829N	087-12-46.770W	8.859

**Figure 6: Table of East Channel depths shoaler than tabulation**

At this time charting action will not be taken by AHB. It is AHB decision to defer charting action to MCD. An email was sent to Navigation Manager Tim Osborn in regards to the tabulation and data discrepancy. This email will be included in DR Appendix V Supplementary Survey Records. It is suggested that a revision of the Corps of Engineers tabulation is necessary and to contact necessary parties this discrepancy may impact. The project instructions detail that the Port of Pensacola is expanding to accommodate larger bulk carriers, barge traffic and is also anticipating carriers with drafts of 36ft to be visiting the port in the near future.

## **D.2. ADDITIONAL RESULTS**

- (a) The DR states: *New shoreline is needed for the entire Gulf of Mexico shoreline in this region.*
- (b) Considering the field statement below: *An area of charted ruins marked by two Green Lights centered at Lat. 30° 24' 04"N, Lon. 87° 13' 04"W, is no longer lighted. The ruins remain but the lights are gone. The hydrographer recommends removal of the charted lights.* The field did not mention the status of the charted ruins even though the field party surveyed within the ruin area. They only addressed the lights that were once associated

with the ruins. During compilation the compiler determined that the ruins will be retained from the ENC as charted.

- (c) At 30-23-54.882N and 87-14-17.842W there is a 2.5492ft shoal. This shoal is on the border of a channel and it was determined that charting a 2ft Chart Scale sounding and revision of shoal PA text would be deferred to MCD.

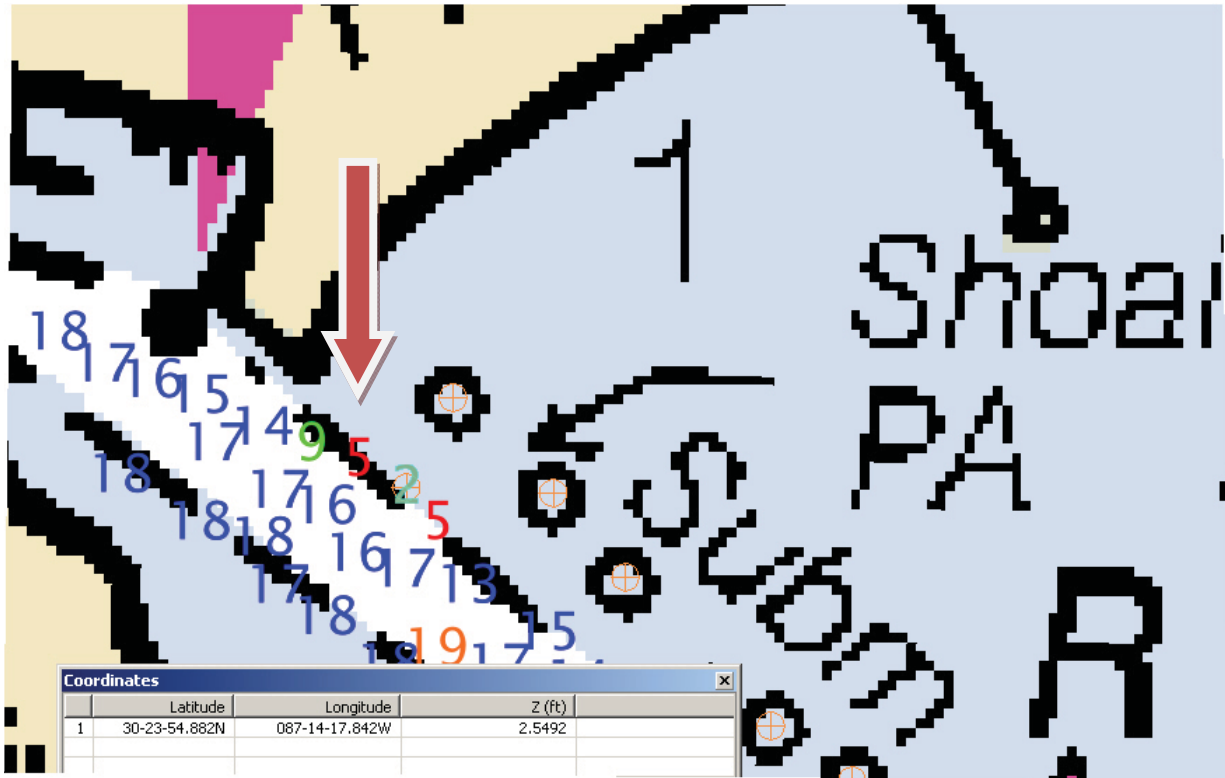


Figure 7: Shoal PA

### D.3. MISCELLANEOUS

Chart compilation was done by Atlantic Hydrographic Branch personnel, in Norfolk, Virginia. Compilation data will be forwarded to Marine Chart Division, Silver Spring, Maryland. See Section D.1. of this report for a list of the Raster Charts and Electronic Navigation Charts (ENC) used for compiling the present survey.

### D.4. ADEQUACY OF SURVEY

The present survey is adequate to supersede the charted bathymetry within the common area. Any features not specifically addressed either in the H-Cell BASE Cell File or the Blue Notes should be retained as charted. Refer to the Descriptive Report for further recommendations by the hydrographer.

**APPROVAL SHEET  
H11765**

**Initial Approvals:**

The completed survey has been inspected with regard to survey coverage, delineation of depth curves, representation of critical depths, cartographic symbolization, and verification or disproval of charted data. All revisions and additions made to the H-Cell files during survey processing have been entered in the digital data for this survey. The survey records and digital data comply with National Ocean Service and Office of Coast Survey requirements except where noted in the Descriptive Report and the Evaluation Report.

All final products have undergone a comprehensive review per the Hydrographic Surveys Division Office Processing Manual and are verified to be accurate and complete except where noted.

**Nicole  
Trenholm**

Digitally signed by Nicole Trenholm  
DN: cn=Nicole Trenholm, o, ou,  
email=nicole.trenholm@noaa.gov,  
c=US  
Date: 2009.12.04 16:10:43 -05'00'

**Nicole Trenholm**  
Hydrographic Intern  
Atlantic Hydrographic Branch

I have reviewed the H-Cell files, accompanying data, and reports. This survey and accompanying Marine Chart Division deliverables meet National Ocean Service requirements and standards for products in support of nautical charting except where noted.

Approved: \_\_\_\_\_  
**CDR Richard Brennan, NOAA**  
Chief, Atlantic Hydrographic Branch