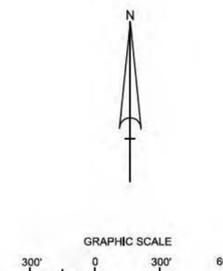


# JACKSONVILLE HARBOR, FLORIDA NAVY FUEL PIER EXAMINATION SURVEY FY13



### MAP SHEET NOTES:

1. REFER TO SURVEY NO. 13-022.
  2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCH MARKS ASSOCIATED WITH THE TIDE GAGES SITES SPECIFIED BELOW:  
NOAA TIDAL STATION 872 0242 (PID: BBBZ31)
  3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
  4. TIDAL REDUCTIONS WERE OBTAINED USING REAL-TIME KINEMATIC (RTK) GPS AND UTILIZING THE LATEST HYPACK KINEMATIC TIDAL DATUM MODEL (CamdenGA-Nassau-Duval-StJohns-Flagler 01Feb2011.KTD).
  5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
  6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
  7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
  8. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:  
REFERENCE STATION AND TIDE STAFF LOCATED AT "872 0242 A" (OPUS PID BBBZ31)
  9. VERTICAL MEASUREMENTS WERE MADE USING A RESON 7101 MULTI-BEAM SYSTEM OPERATING AT 240 KHZ.
- | SURVEY VESSEL | DATE OF SURVEY   | AREA           |
|---------------|------------------|----------------|
| SB-36         | 11 & 13 DEC 2012 | NAVY FUEL PIER |
10. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
  11. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
  12. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.



LEGEND	
• BM	BENCHMARK
⚓	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
⦿	RED LIGHTED BUOY
⦿	GREEN LIGHTED BUOY
⦿	CAN BUOY
⦿	NUN BUOY
⦿	TIDE STAFF
⦿	PROJECT DEPTH

US Army Corps of Engineers  
Jacksonville District  
SAFETY ON THIS JOB  
DEPENDS ON YOU

DESIGNED BY: W.F.M., D.W.M., W.R.M.  
DRAWN BY: W.R.M.  
CHECKED BY: GR.  
DATE: DEC 2012

13-022-G-BS-BROLDON  
JACKSONVILLE DISTRICT  
CORPS OF ENGINEERS  
FLORIDA

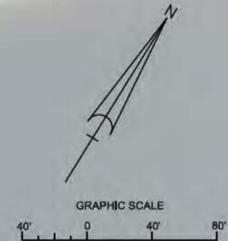
JACKSONVILLE HARBOR, FLORIDA  
EXAMINATION SURVEY FY13  
40-FOOT PROJECT  
COVER, INDEX AND PLAN SHEET  
NAVY FUEL PIER  
PLAN

Scale: AS SHOWN  
Drawing no.  
**1**  
SHEET 1 OF 3

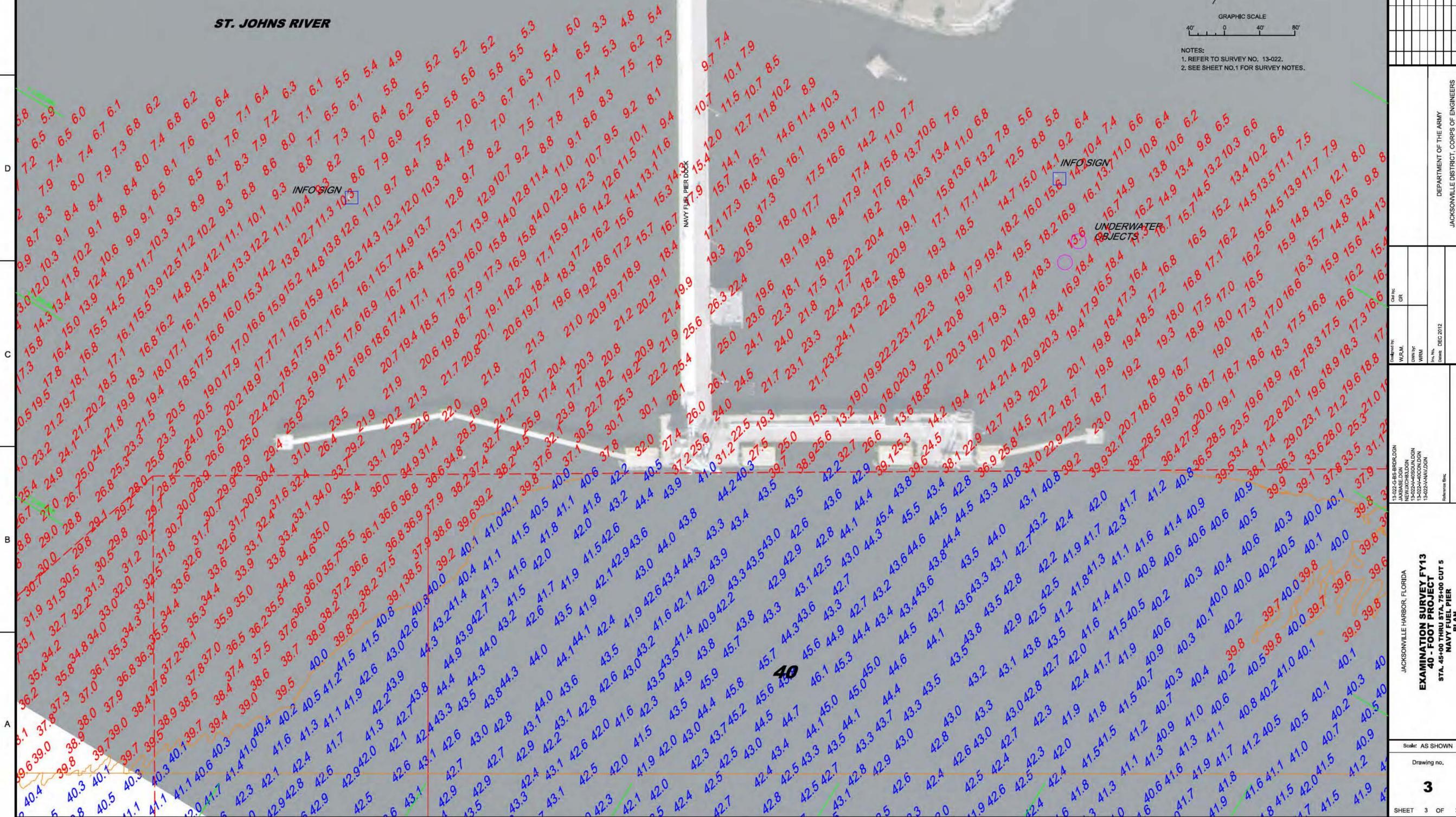


AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
INFO SIGN (12/12)	459,569	2,205,686	30°23'57.47"	81°37'24.94"
INFO SIGN (12/12)	460,244	2,206,124	30°24'01.84"	81°37'17.26"
UNDERWATER OBJECT (12/12)	460,307	2,206,053	30°24'01.14"	81°37'16.54"
UNDERWATER OBJECT (12/12)	460,307	2,206,081	30°24'57.47"	81°37'24.94"

**ST. JOHNS RIVER**



NOTES:  
1. REFER TO SURVEY NO. 13-022.  
2. SEE SHEET NO.1 FOR SURVEY NOTES.





US Army Corps  
of Engineers  
Jacksonville District  
SAFETY ON THIS JOB  
DEPENDS ON YOU

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DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
JACKSONVILLE, FLORIDA

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Examined By: W.R.M. GR  
Checked By: W.R.M. GR  
Date: DEC 2012

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13-022-GS-BB-BROCKTON  
JACKSONVILLE  
13-022-A-ARSON/DON  
13-022-A-ARSON/DON  
13-022-A-ARSON/DON  
Reference File: 13-022-VH-003.DGN

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JACKSONVILLE HARBOR, FLORIDA  
**EXAMINATION SURVEY FY13  
40 - FOOT PROJECT**  
STA. 45+00 THRU STA. 75+00 CUT 5  
NAVY FUEL PIER  
PLAN

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Scale: AS SHOWN  
Drawing no.  
**3**  
SHEET 3 OF 3