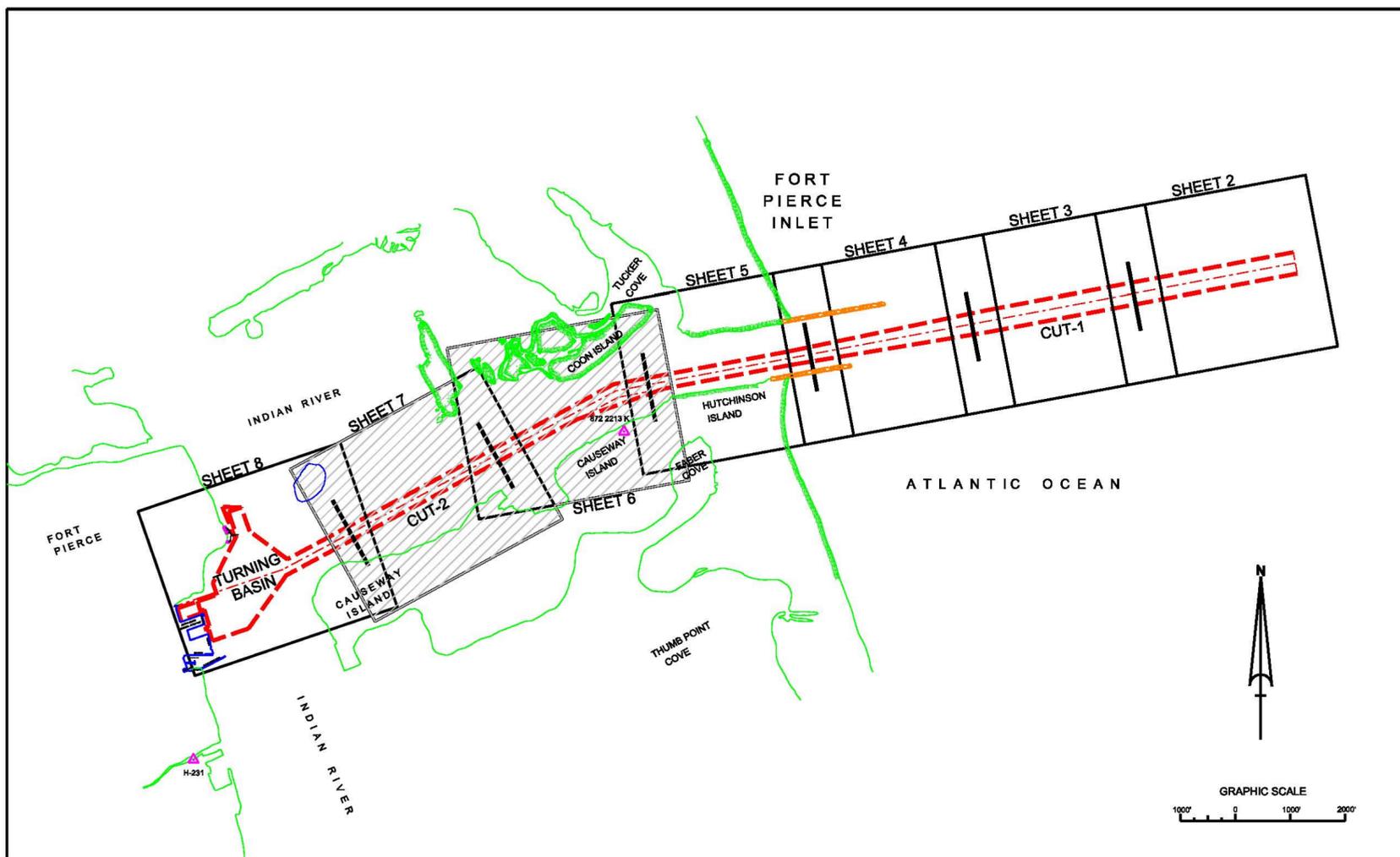


# FORT PIERCE HARBOR ST. LUCIE COUNTY, FLORIDA EXAMINATION SURVEY FY12



**MAP SHEET NOTES:**

1. REFER TO SURVEY NO. 12-011
2. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGM.
3. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
4. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
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. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

\*REFERENCE BASE LOCATED AT "872 2213 K" (PID: D13923)

\*TIDE STAFF LOCATED AT "872 2213 K" (PID: D13923)

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 GAGE SITES SPECIFIED BELOW:

\*NOAA TIDAL STATION 872-2213 FOR ALL CUTS.

TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS USING A HYPACK KINEMATIC TIDAL DATUM MODEL (FTPIERCE-ONLY.KTD).

VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER DUAL FREQUENCY 28/200 KHZ SINGLE-BEAM SOUNDER. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

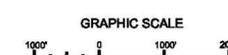
VESSEL	DATE OF SURVEY	CUTS
WB-32	14 NOV 2011	CUT-2

7. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.

8. 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.

9. 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	
	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

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

12-011-00-00-000-000  
INTERIM FT PIERCE HBR MARS-V-00.DGN  
FTPIERCE00.DGN  
IND000.DGN

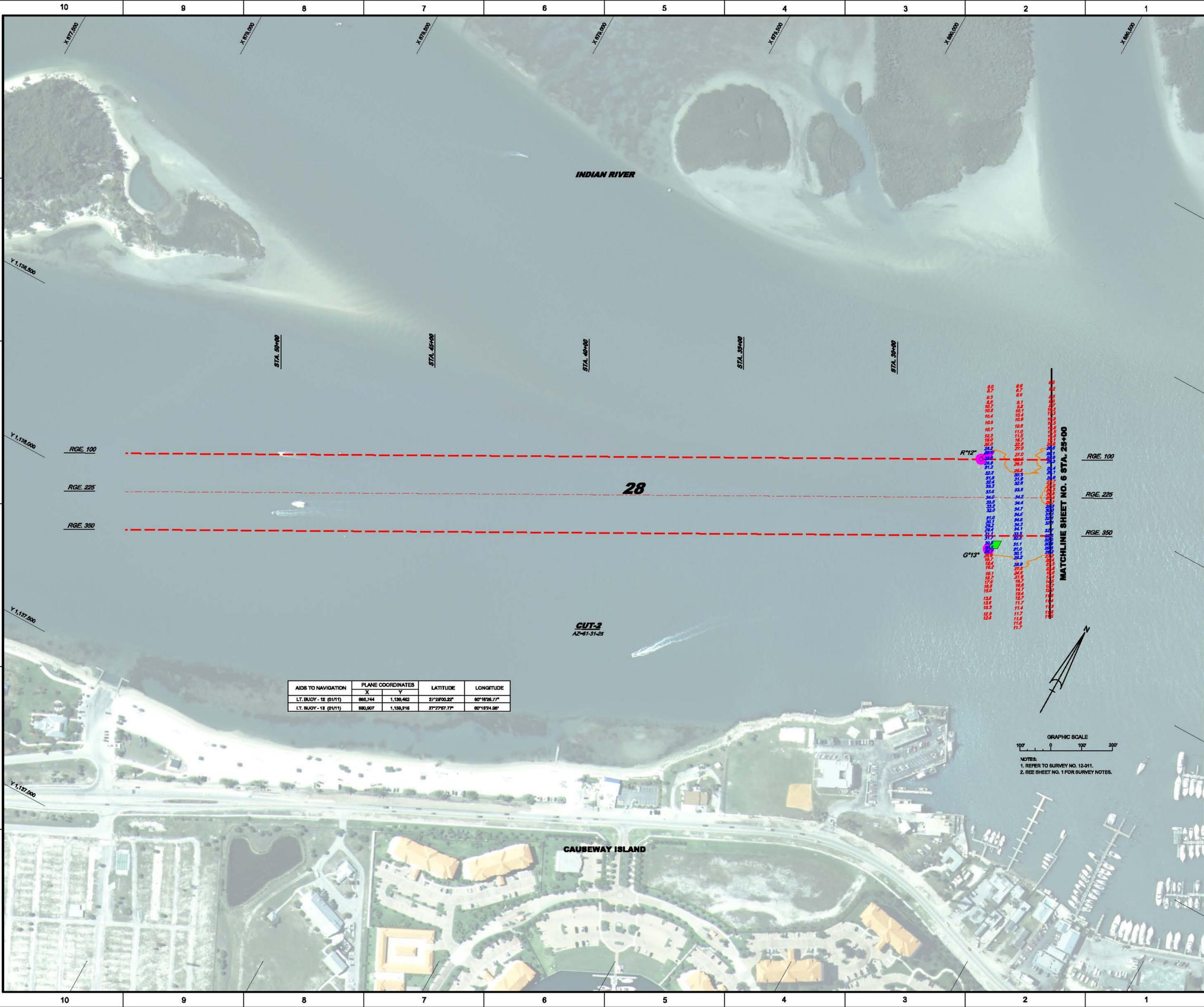
12-011-00-00-000-000  
12-011-00-00-000-000

Scale: AS SHOWN

Drawing no.  
**1 / 3**

SHEET 1 OF 8





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY - 12 (01/11)	888,744	1,138,462	27°28'00.22"	80°18'28.77"
LT. BUOY - 13 (01/11)	880,907	1,138,216	27°27'57.77"	80°18'24.98"

GRAPHIC SCALE  
 100' 0 100' 200'  
 NOTES:  
 1. REFER TO SURVEY NO. 12-011.  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



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

N	E	S	W	N	E	S	W	N	E
10	9	8	7	6	5	4	3	2	1
F									F
E									E
D									D
C									C
B									B
A									A

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

Checked by: D.V.T.  
 Drawn by: D.M.W.  
 Date: 12/13/2011

12-011-0-08-SURVEY.DGN  
 12-011-0-08-PLAN.DGN  
 12-011-0-08-30-PLAN.DGN  
 12-011-0-08-30-CUT-2.DGN

FT. PIERCE HARBOR  
 ST. LUCIE COUNTY, FLORIDA  
**EXAMINATION SURVEY FY12  
 28 AND 30 - FOOT PROJECT  
 CUT - 2 STA. 4+00 THRU STA. 25+00  
 STA. 25+00 THRU STA. 27+00 CUT - 2  
 PLAN**

Scale: AS SHOWN  
 Drawing no.  
**3 / 3**  
 SHEET 7 OF 8