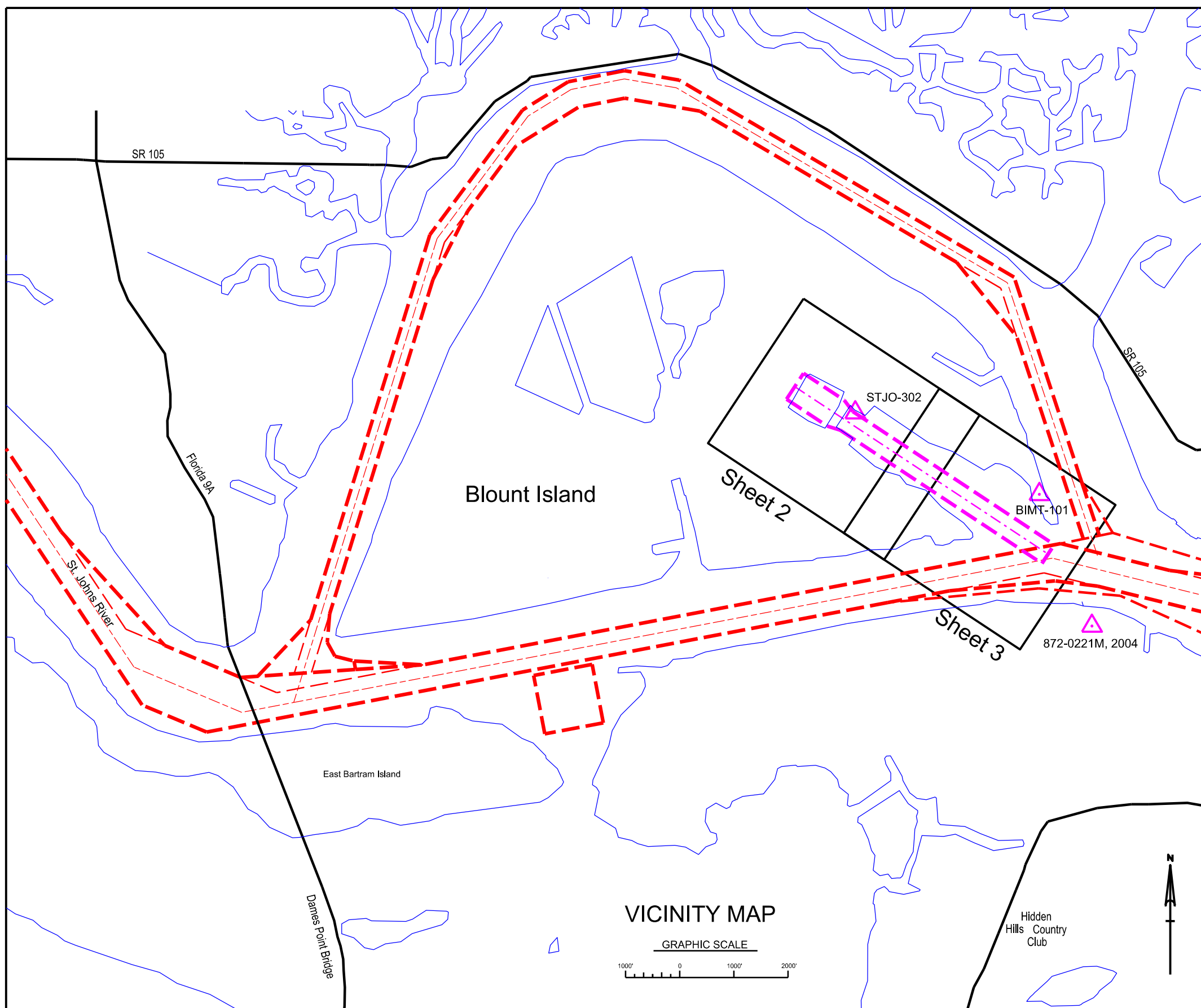
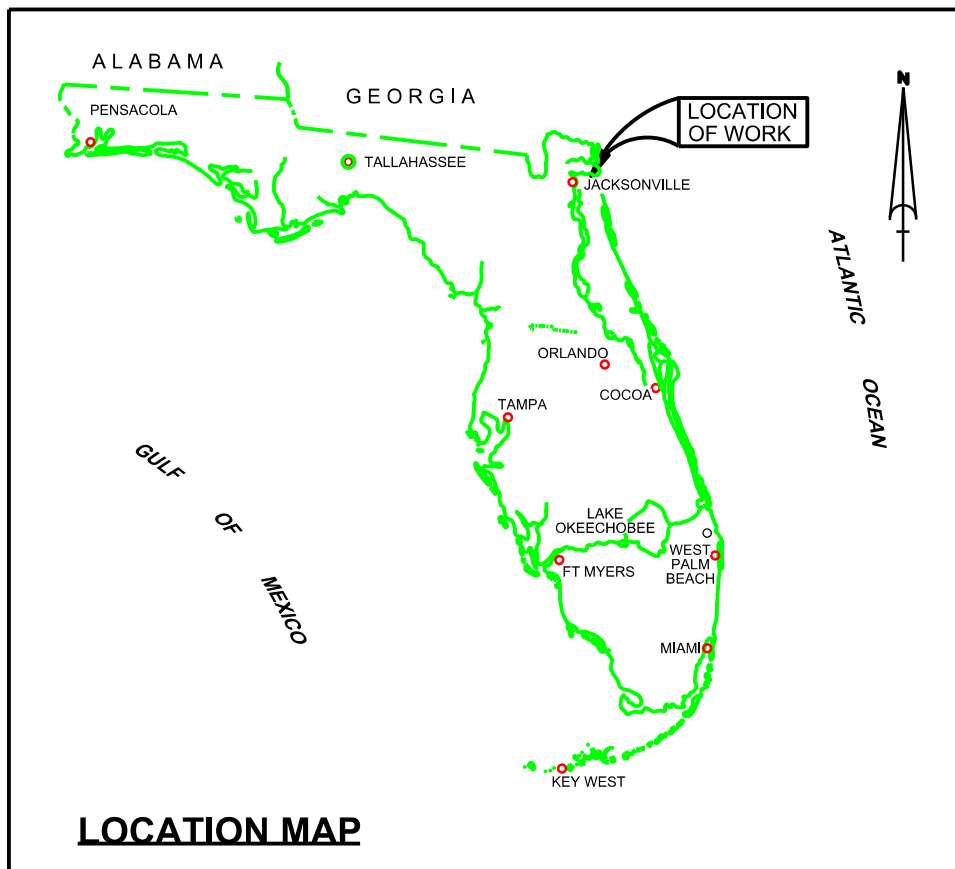


# U.S. MARINE CORPS - BLOUNT ISLAND COMMAND

## BLOUNT ISLAND MARINE TERMINAL

### 1st QUARTER HYDROGRAPHIC EXAMINATION SURVEY

#### JAN 2019



**SURVEY NOTES:**

- REFER TO SURVEY NO. 19-073.
  - 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 BENCHMARK ASSOCIATED WITH THE TIDE GAUGE SITE SPECIFIED BELOW:  
  
NOAA TIDAL STATION "872-0221", FULTON, ST. JOHNS RIVER FOR ALL CUTS
  - TIDAL REDUCTIONS WERE OBTAINED USING REAL-TIME KINEMATIC (RTK) GPS AND UTILIZING A HYPACK KINEMATIC TIDAL DATUM (KTD) MODEL, TITLED CAMDENA-NASSAU-DUVAL-STJOHNS-FLAGLER\_01FEB2011.KTD.
  - ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
  - PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983.
  - ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
  - THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:  
  
REFERENCE BASE LOCATED AT "BIMT-101" (OPUS PID: BBBX61)  
  
TIDE STAFF SET FROM "BIMT-101" (OPUS PID: BBBX61)
  - VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2024 MULTI-BEAM SYSTEM OPERATING AT 230 KHZ AND A ROSS MODEL 835C SMARTSOUNDER WITH A DUAL-FREQUENCY (28/200KHZ) SINGLE-BEAM TRANSDUCER. DEPTHS OUTSIDE THE SECURITY GATE ARE SHOWN IN HIGH FREQUENCY. DEPTHS INSIDE SECURITY GATE ARE SHOWN IN LOW FREQUENCY.
- | VESSEL | DATE OF SURVEY | AREA                   |
|--------|----------------|------------------------|
| SB-46  | 18 DEC 2018    | STA 0+00 TO STA 12+00  |
| SB-46  | 12 JAN 2019    | STA 12+00 TO STA 57+00 |
- NAVAIDS WERE NOT LOCATED FOR THIS SURVEY. NAVAIDS SHOWN COLLECTED DURING SURVEY 18-171.
  - THE INFORMATION DEPICTED ON THESE MAPS REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THIS CHART IS NOT TO BE USED FOR NAVIGATION.
  - SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 2013.

LEGEND	
	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

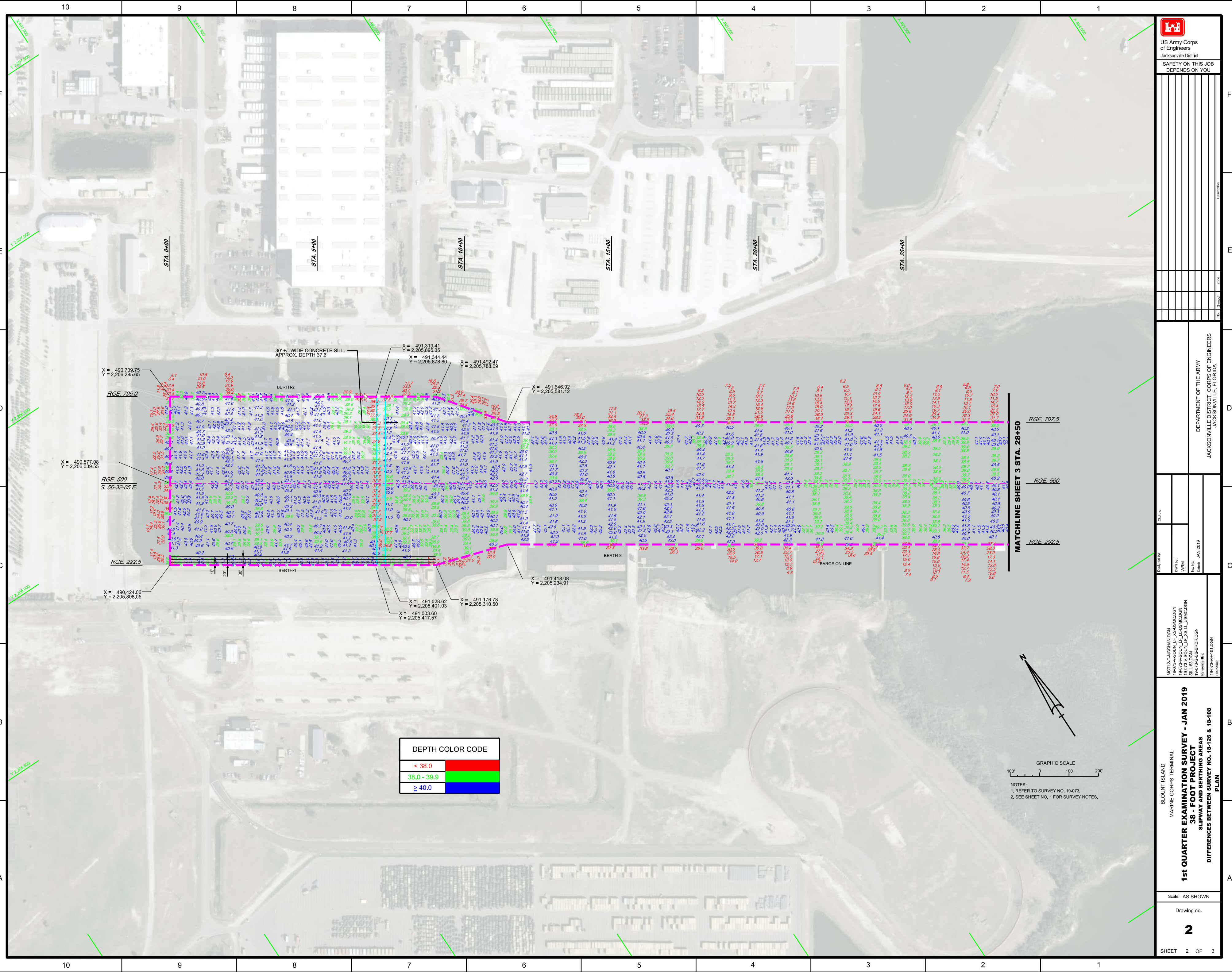
US Army Corps of Engineers  
Jacksonville District  
SAFETY ON THIS JOB  
DEPENDS ON YOU

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

Blount Island  
Marine Corps Terminal  
1st Quarter Examination Survey - Jan 2019  
38 - Foot Project  
Slipway and Berthing Areas  
Location and Vicinity Map

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





30' +/- WIDE CONCRETE SILL, APPROX. DEPTH 37.6'

X = 490,739.75  
Y = 2,205,265.65

X = 491,319.41  
Y = 2,205,895.35

X = 491,344.44  
Y = 2,205,878.80

X = 491,492.47  
Y = 2,205,788.09

X = 491,646.92  
Y = 2,205,581.12

X = 490,577.08  
Y = 2,206,039.55

X = 490,424.08  
Y = 2,205,808.05

X = 491,003.60  
Y = 2,205,417.57

X = 491,028.62  
Y = 2,205,401.03

X = 491,176.78  
Y = 2,205,310.50

X = 491,418.08  
Y = 2,205,234.91

RGE. 705.0

RGE. 707.5

RGE. 500

RGE. 292.5

RGE. 222.5

STA. 0+00

STA. 5+00

STA. 10+00

STA. 15+00

STA. 20+00

STA. 25+00

BERTH-2

BERTH-1

BERTH-3

BARGE ON LINE

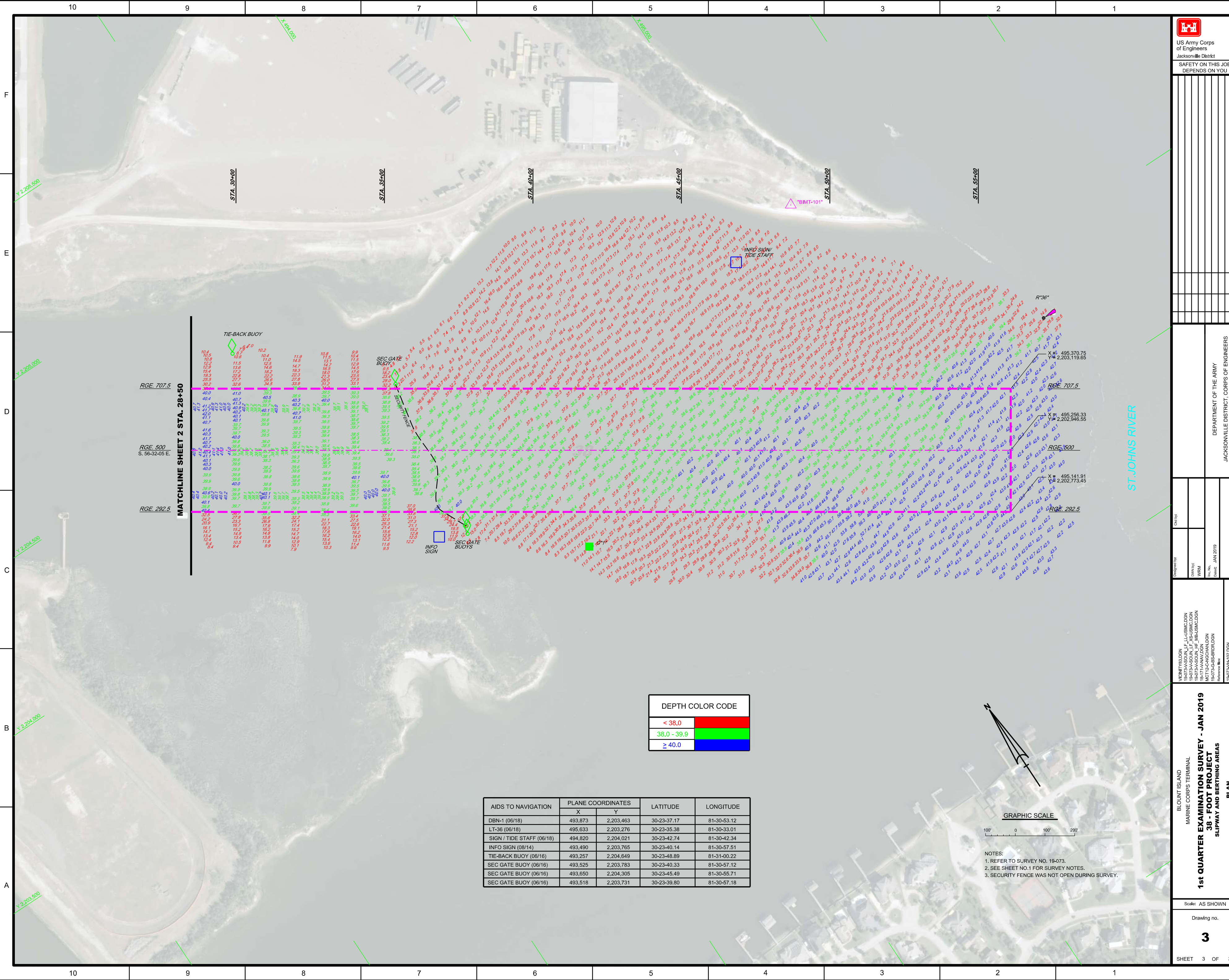
DEPTH COLOR CODE

< 38.0	Red
38.0 - 39.9	Green
≥ 40.0	Blue

GRAPHIC SCALE  
100' 0 100' 200'

NOTES:  
1. REFER TO SURVEY NO. 19-073.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.





**MATCHLINE SHEET 2 STA. 28+50**

DEPTH (ft)	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0
RGE 707.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0
RGE 500	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0
RGE 292.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0

**DEPTH COLOR CODE**

< 38.0	Red
38.0 - 39.9	Green
≥ 40.0	Blue

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (06/18)	493,873	2,203,463	30-23-37.17	81-30-53.12
LT-36 (06/18)	495,633	2,203,276	30-23-35.38	81-30-33.01
SIGN / TIDE STAFF (06/18)	494,820	2,204,021	30-23-42.74	81-30-42.34
INFO SIGN (08/14)	493,490	2,203,765	30-23-40.14	81-30-57.51
TIE-BACK BUOY (06/16)	493,257	2,204,649	30-23-48.89	81-31-00.22
SEC GATE BUOY (06/16)	493,525	2,203,783	30-23-40.33	81-30-57.12
SEC GATE BUOY (06/16)	493,650	2,204,305	30-23-45.49	81-30-55.71
SEC GATE BUOY (06/16)	493,518	2,203,731	30-23-39.80	81-30-57.18



NOTES:  
1. REFER TO SURVEY NO. 19-073.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.  
3. SECURITY FENCE WAS NOT OPEN DURING SURVEY.

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

BLOUNT ISLAND  
MARINE CORPS TERMINAL  
**1st QUARTER EXAMINATION SURVEY - JAN 2019**  
38 - FOOT PROJECT  
SLIPWAY AND BERTHING AREAS  
PLAN

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