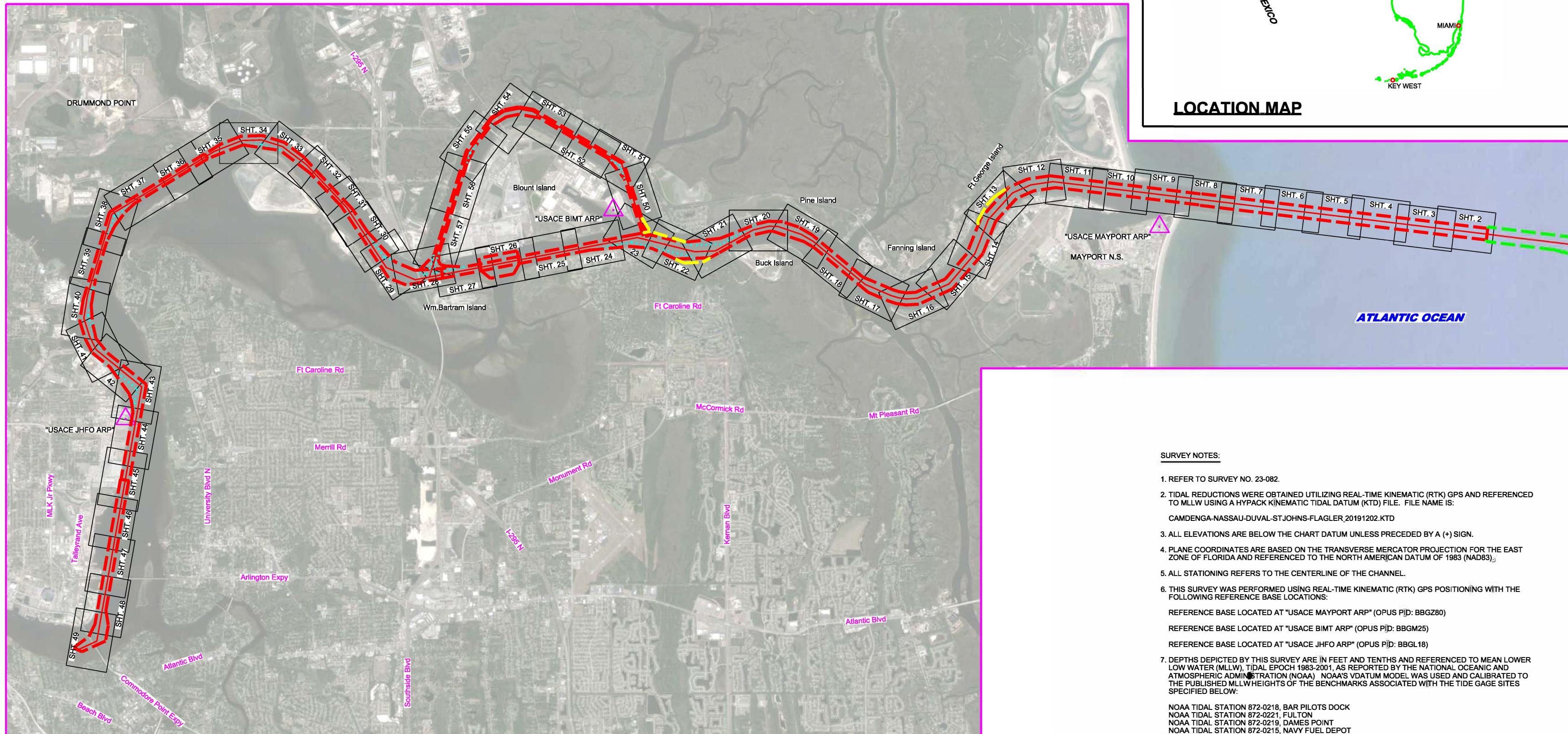




JACKSONVILLE HARBOR, FLORIDA

2nd QUARTER EXAM SURVEY FY23

30, 34, 38, 47 & 49-FOOT PROJECT



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

Designed By:	GARL
Drawn By:	WRM
Rev. No.:	AFP-F-2023
Date:	2023

Reference Sheet: 23-082-0-B1-BRDR.DGN

File Name: 23-082-0-HM1.DGN

JACKSONVILLE HARBOR, FLORIDA
2nd QUARTER EXAM SURVEY FY23
30, 34, 38, 47 & 49-FOOT PROJECT
INDEX LOCATION AND VICINITY
MAP

LEGEND	
▲	MONUMENT
■	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
●	RED LIGHTED BUOY
●	GREEN LIGHTED BUOY
●	CAN BUOY
●	NUN BUOY
●	TIDE STAFF
8	PROJECT DEPTH

GRAPHIC SCALE
3000' 0' 3000' 6000'



SURVEY NOTES:

- REFER TO SURVEY NO. 23-082.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW USING A HYPACK KINEMATIC TIDAL DATUM (KTD) FILE. FILE NAME IS: CAMDENG-A-NASSAU-DUVAL-STJOHNS-FLAGLER_20191202.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 (NAD83)_g.
- ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:
REFERENCE BASE LOCATED AT "USACE MAYPORT ARP" (OPUS PID: BBGZ80)
REFERENCE BASE LOCATED AT "USACE BIMT ARP" (OPUS PID: BBGM25)
REFERENCE BASE LOCATED AT "USACE JHFO ARP" (OPUS PID: BBGL18)
- DEPTHES DEPICTED BY THIS SURVEY ARE IN FEET AND TENTHS AND REFERENCED TO MEAN LOWER LOW WATER (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 BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:
NOAA TIDAL STATION 872-0218, BAR PILOTS DOCK
NOAA TIDAL STATION 872-0221, FULTON
NOAA TIDAL STATION 872-0219, DAMES POINT
NOAA TIDAL STATION 872-0215, NAVY FUEL DEPOT
NOAA TIDAL STATION 872-0242, LONG BRANCH
- VERTICAL MEASUREMENTS WERE MADE USING A R2 SONIC MODEL 2026 MULTI-BEAM SYSTEM (240 kHz), A RESON T50P MULTI-BEAM SYSTEM (300 kHz), AND AN EDETECH 6205 MULTI-BEAM / SIDESCAN OPERATING AT 550 kHz. ALL SINGLE-BEAM SOUNDINGS WERE MADE WITH A TELEDYNE E20 OPERATING AT 28/200 kHz. ALL SOUNDINGS ARE SHOWN IN HIGH FREQUENCY EXCEPT FOR TERMINAL CHANNEL STATIONS 0-00 - 65-00 WHICH ARE IN LOW FREQUENCY (28 kHz).

VESSEL	DATE OF SURVEY	AREA SURVEYED
SB WELLS	25 JAN 2023	LOWER TERMINAL CHANNEL
SV SALZER	05 FEB 2023	BAR CAY-3
SV SALZER	09 FEB 2023	CUTS 4 - 7
SV SALZER	13-14 FEB 2023	CUTS 50 - 55
SV SALZER	15 FEB 2023	CUTS F & G
SV SALZER	21 FEB 2023	CUTS 8 - 15
SV SALZER	20 MAR 2023	CUTS 16 - 41
SV SALZER	21 MAR 2023	CUTS 4 - B
SV SALZER	22-23 MAR 2023	CUTS 43 - 49
SV SALZER	23-24 MAR 2023	CUT-42
SB-48	24 MAR 2023	UPPER TERMINAL CHANNEL
SB-48	05 APR 2023	CUT-F STA 5+00 - 14+00

- AIDS TO NAVIGATION WERE LOCATED FOR THIS SURVEY.
- 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 SURVEY.
- SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003_g HYDROGRAPHIC SURVEYING, 30 NOV 2013.

Scale: AS SHOWN

Drawing no. 1

SHEET 01 OF 57



US Army Corps
of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

RGE -400

RGE .00

RGE 400

MATCHLINE SHEET NO. 003 STA. 30+00

STA 25+00

STA 20+00

STA 15+00

STA 10+00

STA 5+00

STA 0+00

JACKSONVILLE HARBOR, FLORIDA

2nd QUARTER EXAM SURVEY FY23

30, 34, 38, 40, 47 & 49-FOOT PROJECT

STA 0+00 THRU STA. 30+00 BAR CUT-3

PLAN

2

Sheet 02 OF 57

Scale: AS SHOWN

Drawing no.

2

NOTES:

1. REFER TO SURVEY NO. 23-082.

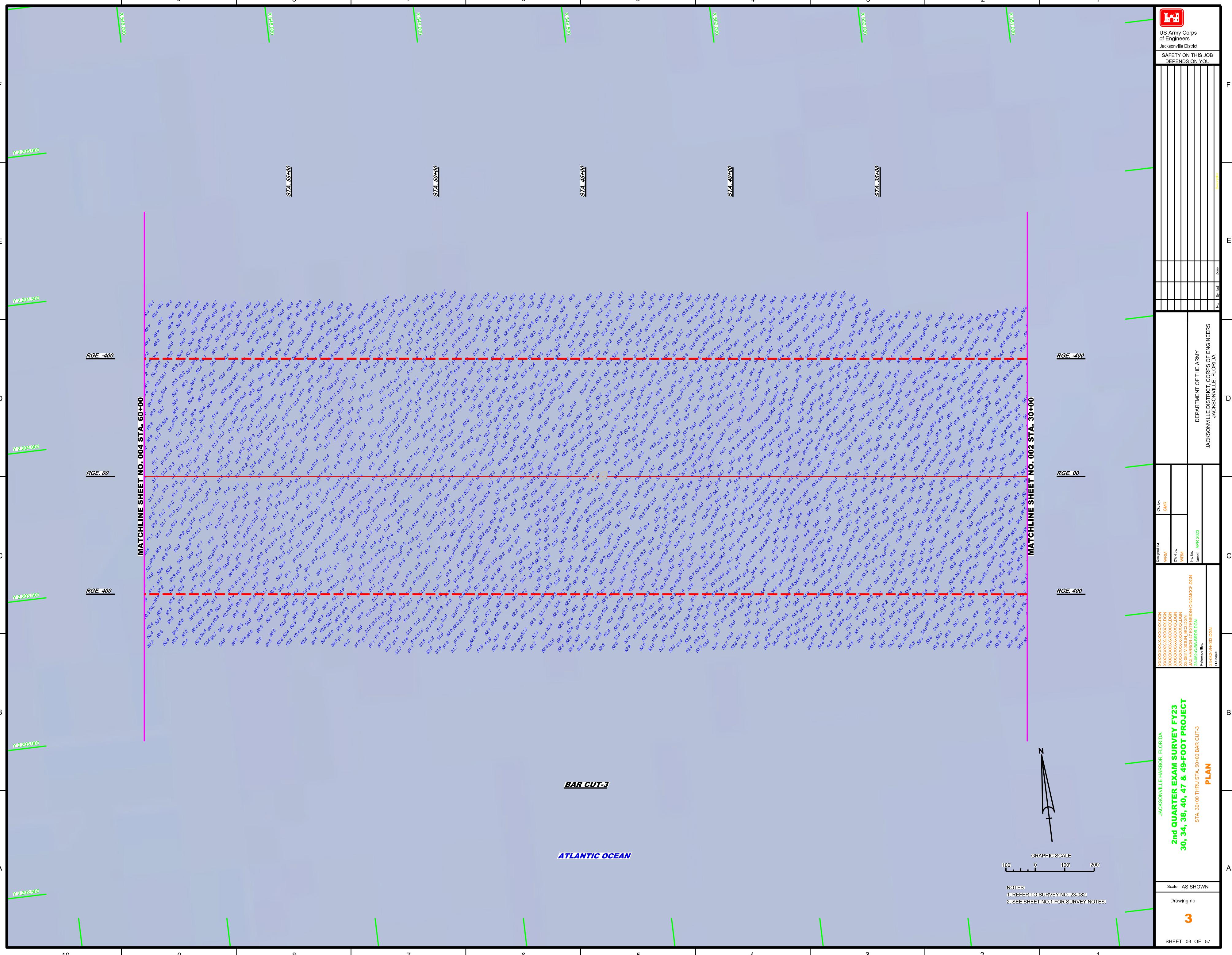
2. SEE SHEET NO.1 FOR SURVEY NOTES.

File name:

23-082-002.DGN

File name:

23-082-002.DGN</





US Army Corps
of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

MATCHLINE SHEET NO. 005 STA. 90+00

RGE. -400

RGE. 00

RGE. 400

STA. 85+00

STA. 86+00

STA. 75+00

STA. 76+00

STA. 65+00

MATCHLINE SHEET NO. 003 STA. 60+00

RGE. 00

RGE. 400

BAR CUT-3

ATLANTIC OCEAN

GRAPHIC SCALE
Scale: AS SHOWN
NOTES:
1. REFER TO SURVEY NO. 23-082.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

JACKSONVILLE HARBOR, FLORIDA
2nd QUARTER EXAM SURVEY FY23
30, 34, 38, 40, 47 & 49-FOOT PROJECT
STA. 60+00 THRU STA. 90+00 BAR CUT-3

PLAN

SHEET 04 OF 57

4

Drawing no.

File name:

23-082-04-HD040.DGN

Scale: AS SHOWN

NOTES:

1. REFER TO SURVEY NO. 23-082.

2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Drawing no.

4

File name:

23-082-04-HD040.DGN

Scale: AS SHOWN

NOTES:

1. REFER TO SURVEY NO. 23-082.

2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Drawing no.

4

SHEET 04 OF 57



US Army Corps
of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

MATCHLINE SHEET NO. 006 STA. 120+00

RGE. -400

RGE. 00

RGE. 400

MATCHLINE SHEET NO. 004 STA. 90+00

RGE. -400

RGE. 00

RGE. 400

BAR CUT-3

ST. JOHNS RIVER

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G'3*	LT.BUOY-3 (0423)	542,509	2,204,086	30°23'45.19"	81°21'37.81"
R'4*	LT.BUOY-4 (0423)	542,814	2,204,829	30°23'52.56"	81°21'34.36"

GRAPHIC SCALE
Scale: AS SHOWN
Drawing no.

5

SHEET 5 OF 574

JACKSONVILLE HARBOR, FLORIDA
2nd QUARTER EXAM SURVEY FY23
30, 34, 38, 40, 47 & 49-FOOT PROJECT
STA. 90+00 THRU STA. 120+00 BAR CUT-3
PLAN

File name:

5

xxxxxx-xxxxxx-DSN	xxxxxx-xxxxxx-DSN
230820-DSN	230820-DSN

Notes:
1. REFER TO SURVEY NO. 23-082.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Date: APR-2023

Page No.: 1



US Army Corps
of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

RGE - 400

RGE .00

RGE 400

Y2.205500

Y2.205400

Y2.205300

Y2.205200

Y2.205100

MATCHLINE SHEET NO. 007 STA. 150+00

000169X

0001

MATCHLINE SHEET NO. 008 STA. 180+00

RGE. -400

RGE. 00

RGE. 400

ST. JOHNS RIVER

BAR CUT-3

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G*5	LT.BUOY-5 (04/23)	538.322	2.204.409	30°23'48.26"	81°22'25.63"
R*6	LT.BUOY-6 (04/23)	538.500	2.205.676	30°23'59.81"	81°22'23.65"

MATCHLINE SHEET NO. 006 STA. 150+00

RGE. -400

RGE. 00

RGE. 400

Z

GRAPHIC SCALE
Scale: AS SHOWN
Drawing no.
7

NOTES:
1. REFER TO SURVEY NO. 23-082.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

JACKSONVILLE HARBOR, FLORIDA
2nd QUARTER EXAM SURVEY FY23
30, 34, 38, 40, 47 & 49-FOOT PROJECT
STA. 150+00 THRU STA. 180+00 BAR CUT-3
PLAN

File name:
23-082-007.DGN



US Army Corps
of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

47-FOOT PROJECT

49-FOOT PROJECT

RGE. 380

RGE. 00

RGE. 380

MATCHLINE SHEET NO. 009 STA. 210+00

STA. 205+00

STA. 200+00

STA. 195+00

STA. 190+00

ATLANTIC OCEAN

RGE. 400

RGE. 00

RGE. 400



JACKSONVILLE HARBOR, FLORIDA
2nd QUARTER EXAM SURVEY FY23
30, 34, 38, 40, 47 & 49-FOOT PROJECT
STA. 180+00 THRU STA. 210+00 BAR CUT-3
PLAN

File name:

23-0202H00.DGN

Notes:

1. REFER TO SURVEY NO. 23-082.

2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Drawing no.

8

SHEET 08 OF 57

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G*7*	LT. BUOY-7 (04/23)	534.842	2,204.920	30°23'53.20"	81°23'05.38"
R*8*	LT. BUOY-8 (04/23)	535.238	2,205.841	30°24'02.33"	81°23'00.90"

GRAPHIC SCALE
Scale: AS SHOWN

NOTES:
1. REFER TO SURVEY NO. 23-082.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Drawing no.

8

SHEET 08 OF 57

ATLANTIC OCEAN

BAR CUT-3

JACKSONVILLE HARBOR, FLORIDA
2nd QUARTER EXAM SURVEY FY23
30, 34, 38, 40, 47 & 49-FOOT PROJECT
STA. 180+00 THRU STA. 210+00 BAR CUT-3
PLAN

File name:

23-0202H00.DGN

Notes:

1. REFER TO SURVEY NO. 23-082.

2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Drawing no.

8

SHEET 08 OF 57



US Army Corps
of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

