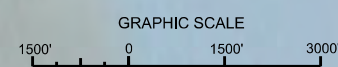


A	B	C	D	E	F
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LEGEND	
	MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH



SURVEY NOTES

1. REFER TO SURVEY NO. 25-252.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. CONVERSIONS FROM THE GPS-DERIVED ELLIPSOID HEIGHTS TO NAVD88 WAS ACHIEVED VIA THE NOAA GEOID MODEL "GEOID18".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE CURRENT REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), ADJUSTMENT OF 2011.
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO NAVD88, AND CALIBRATED TO THE PUBLISHED NAVD88 HEIGHTS OF THE BENCHMARK ASSOCIATED WITH THE NOAA TIDE GAGE SITE SPECIFIED BELOW.

<u>AREA SURVEYED</u>	<u>TIDE GAGE</u>	<u>VERTICAL CALIBRATION</u>
EBB & FLOOD SHOALS	STATION 872-0554	872 0554 B TIDAL

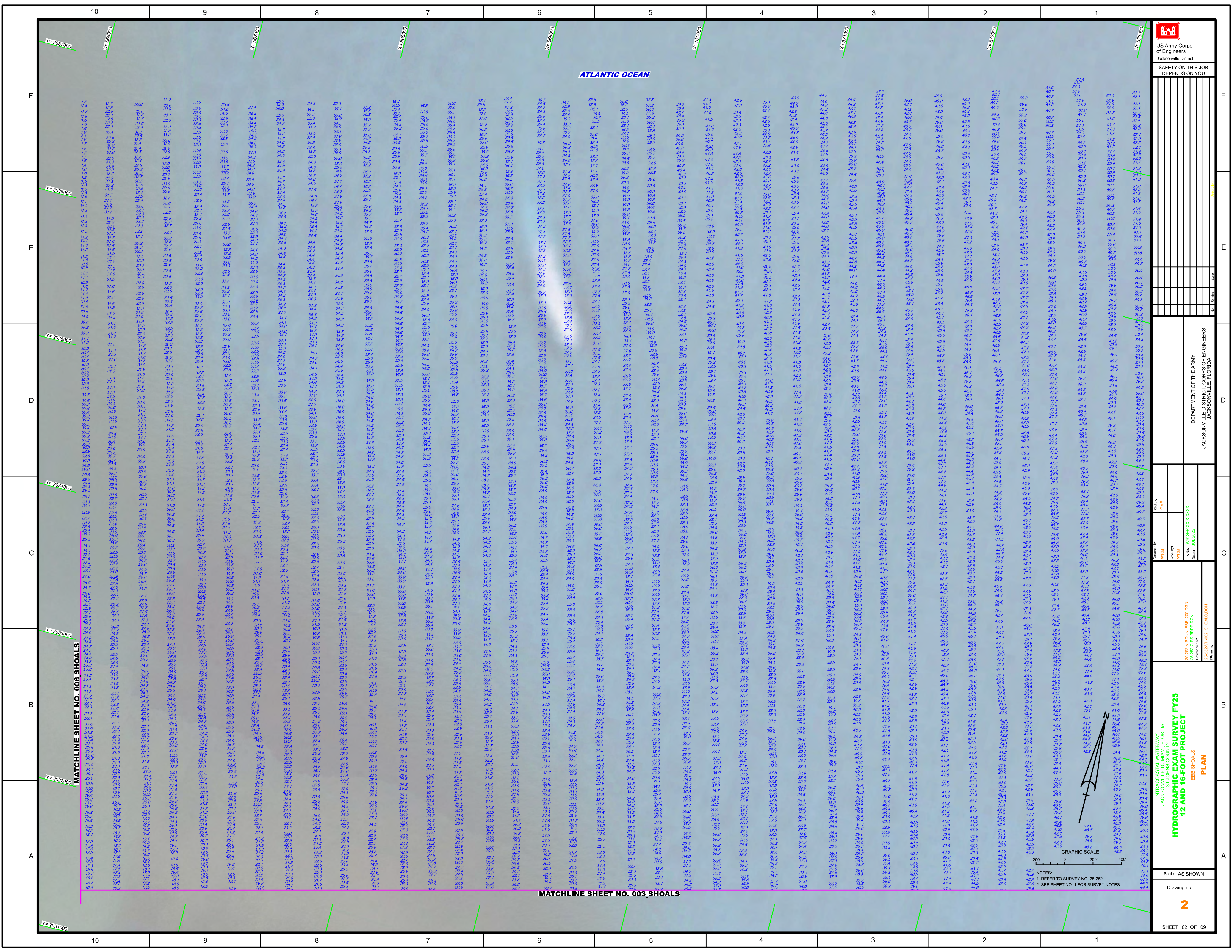
8. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING. TRIMBLE'S REAL-TIME EXTENDED (RTX) CORRECTION SERVICE WAS UTILIZED. CORRECTIONS WERE VERIFIED BY A RTK CHECK IN-OUT POINT ESTABLISHED FROM THE FOLLOWING REFERENCE BASE LOCATION(S):

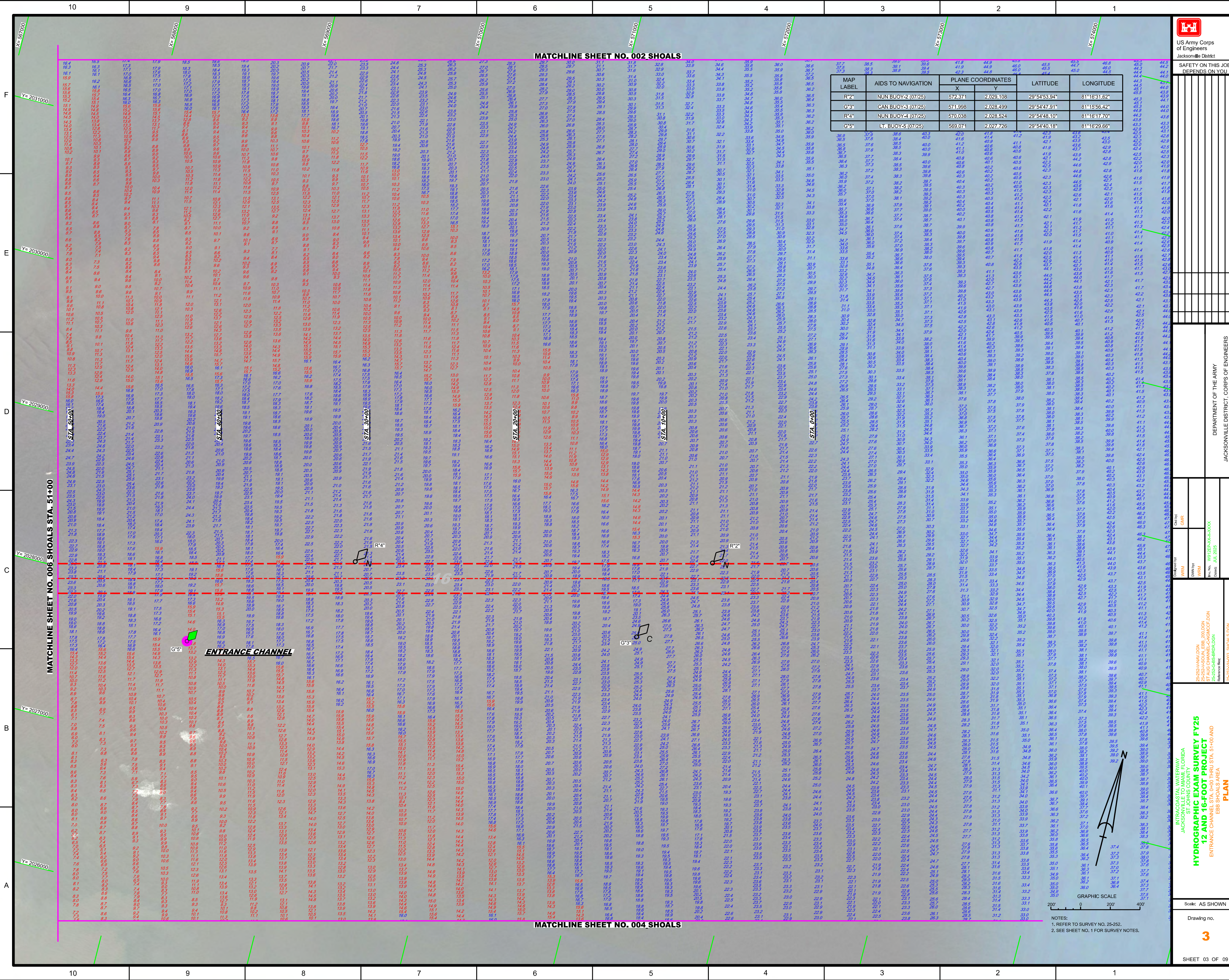
<u>AREA SURVEYED</u>	<u>RTK BASE LOCATION</u>
ENTIRE PROJECT	RAMP RESET

9. VERTICAL MEASUREMENTS WERE MADE USING A TELEDYNE ECHOTRAC E20 DUAL-FREQUENCY SINGLE-BEAM TRANSDUCER. ALL DEPTHS SHOWN ARE IN HIGH FREQUENCY.

<u>VESSEL</u>	<u>DATE OF SURVEY</u>	<u>CUT</u>
SV SALZER	10 JUL 2025	EBB SHOALS
SV SALZER	14 JUL 2025	EBB SHOALS
SB-48	15 JUL 2025	IWW CUTS SJ-28, SJ-28A, FLOOD SHOAL
SB-48	16 JUL 2025	DAVIS SHOAL
SV SALZER	17-18 JUL 2025	EBB SHOALS
SV SALZER	21-23 JUL 2025	EBB SHOALS
SV EL MORRO	29-31 JUL 2025	DAVIS & EBB SHOALS

10. AIDS TO NAVIGATION WERE COLLECTED 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.
12. SURVEY ACCURACY PERFORMANCE 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 AND EM 110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS. 31 DEC 2010.





MATCHLINE SHEET NO. 002 SHOALS

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R-2	NUN BUOY-2 (07/25)	572,371	2,029,108	29°54'53.94"	81°16'31.62"
G-3	CAN BUOY-3 (07/25)	571,998	2,028,499	29°54'47.91"	81°16'56.42"
R-4	NUN BUOY-4 (07/25)	570,038	2,028,424	29°54'48.10"	81°16'17.70"
G-5	LT. BUOY-5 (07/25)	569,071	2,027,726	29°54'40.18"	81°16'29.66"

MATCHLINE SHEET NO. 004 SHOALS

NOTES:
1. REFER TO SURVEY NO. 25-252.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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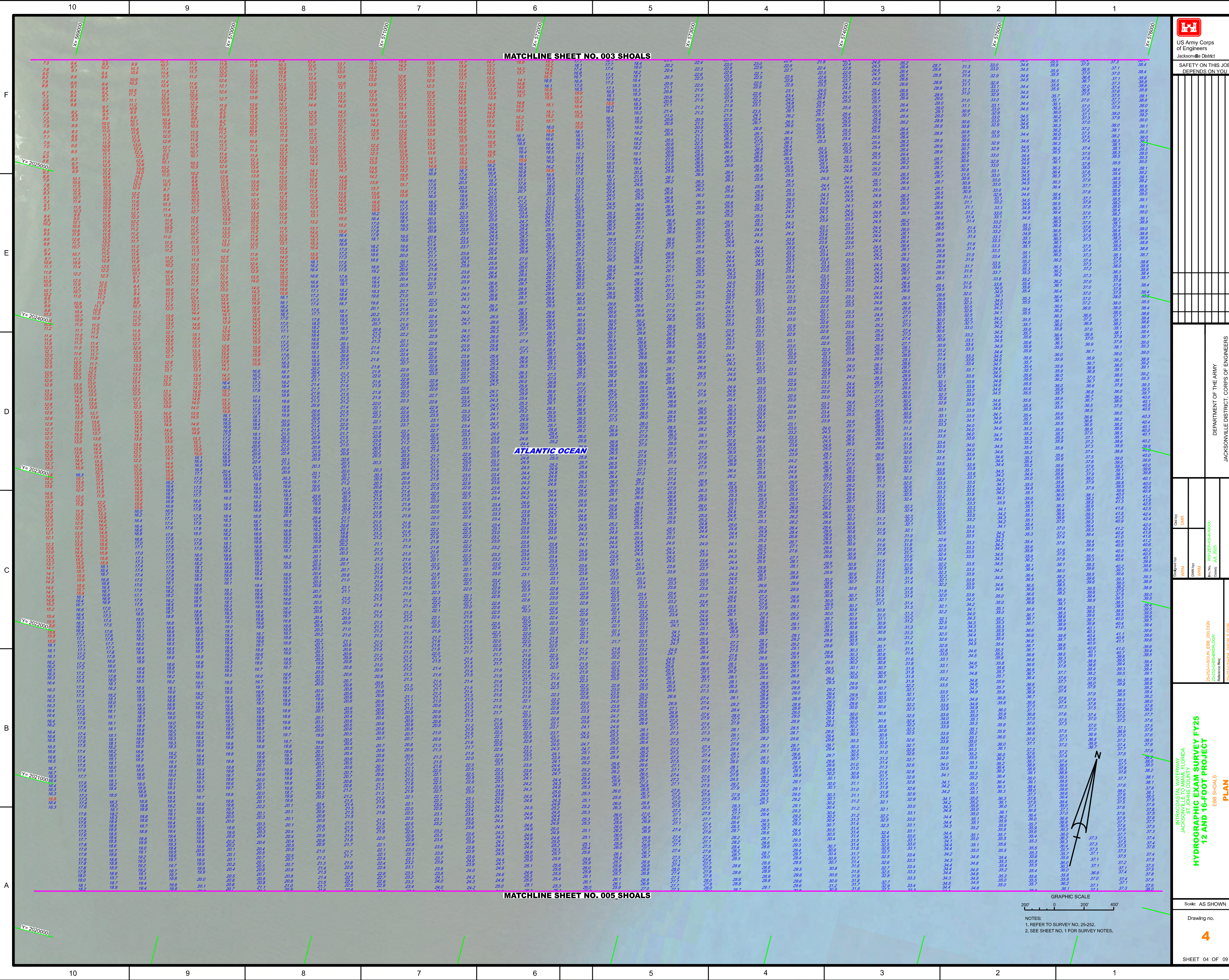
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY25
12 AND 16-FOOT PROJECT
ENTRANCE CHANNEL STA. 0+00 THRU STA. 51+00 AND
EBB SHOALS AREA
PLAN

Scale: AS SHOWN

Drawing No.

SHEET 03 OF 09



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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT
JACKSONVILLE, FLORIDA

Scale: AS SHOWN

Drawing no.

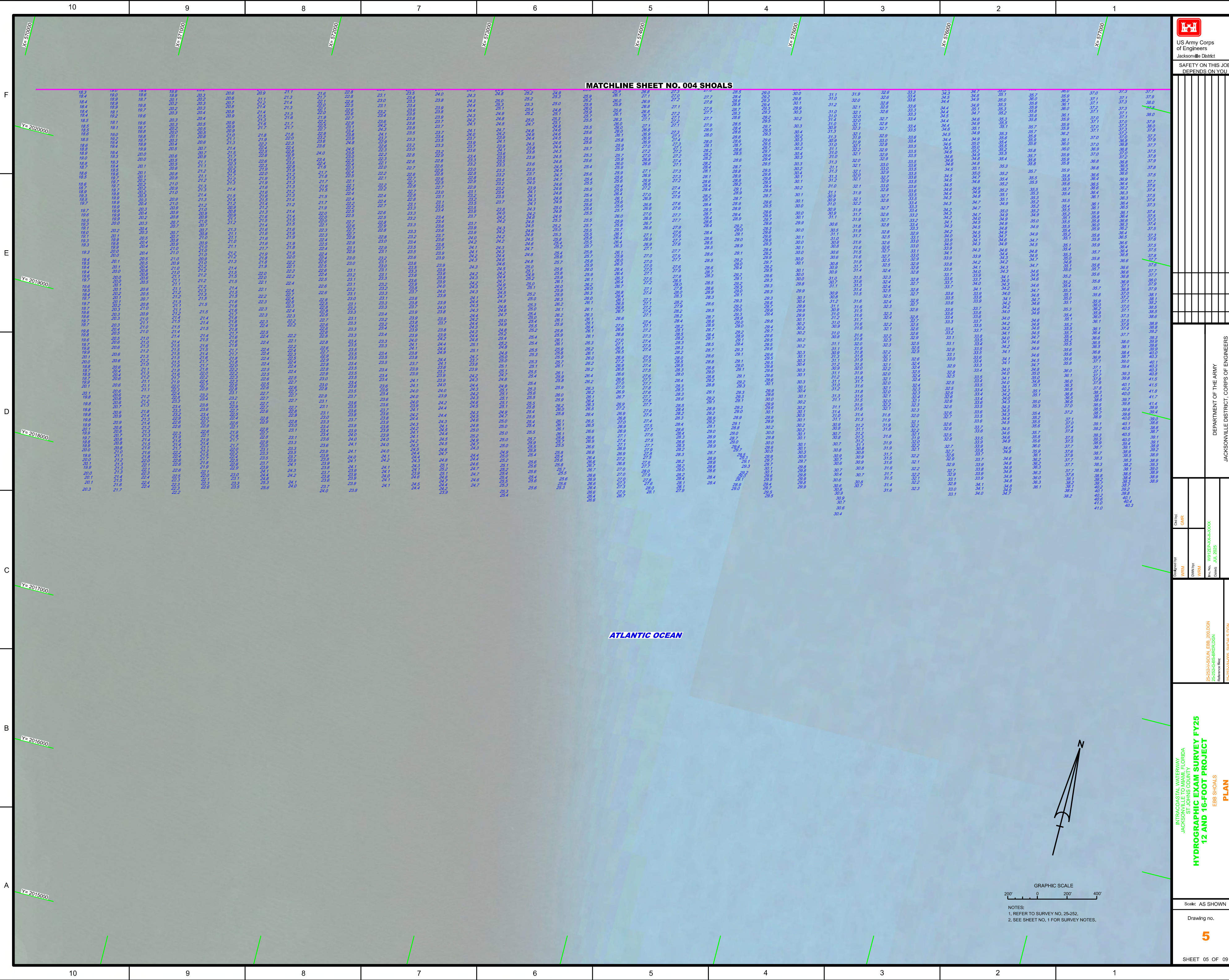
SHEET 04 OF 09

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHNS COUNTY
HYDROGRAPHIC EXAM FY25
12 AND 16-FOOT PROJECT
EBB SHOALS
PLAN

25-2524-SOUL EBB 200.DGN
25-2524-SOUL EBB 200.DGN
25-2524-H001 SHOALS.DGN
25-2524-H001 SHOALS.DGN

DATE: 07/20/2025
BY: J. L. BROWN
CHECKED: J. L. BROWN
DATE: 07/20/2025

GRAPHIC SCALE
200' 0 200' 400'
NOTES:
1. REFER TO SHEET NO. 25-252.
2. SEE SURVEY NO. 1 FOR SURVEY NOTES.



US Army Corps of Engineers
Jacksonville District

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

Call No: GMR

DTM: NAD 83

File No: W02525-000-000

Drawn: JUL 2025

25-2525-000-000 EBB SHOALS
25-2525-000-000 EBB SHOALS
25-2525-000-000 EBB SHOALS

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHNS COUNTY

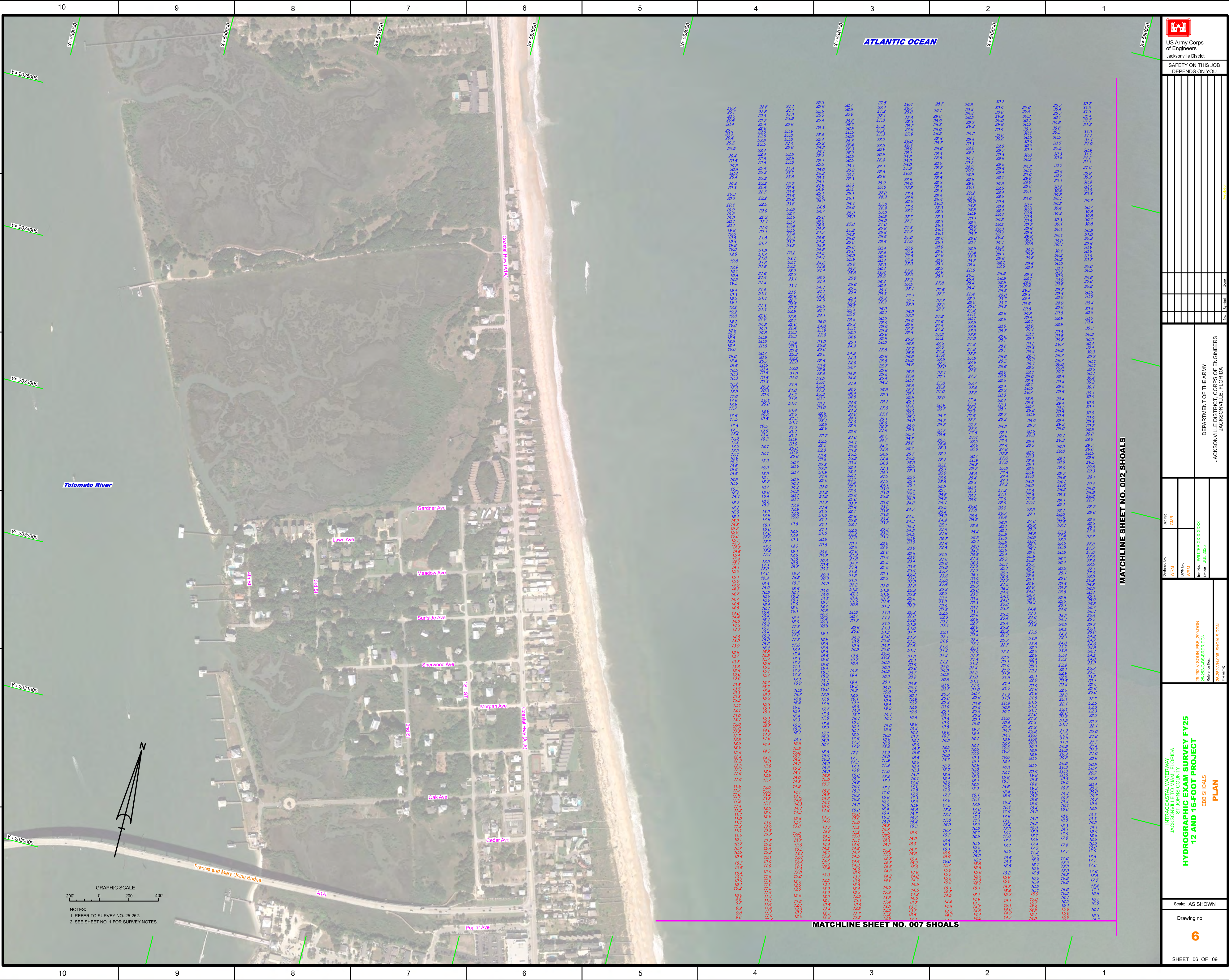
HYDROGRAPHIC EXAM SURVEY FY25
12 AND 16-FOOT PROJECT
EBB SHOALS
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 09



US Army Corps of Engineers
Jacksonville District

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DEPENDS ON YOU

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

Call No: GMR
DWG No: 25-252A-H00E-SHOALS.DGN
File No: 25-252A-H00E-SHOALS.DGN
Date: JUL 2025

25-252A-H00E-SHOALS.DGN
25-252A-H00E-SHOALS.DGN
25-252A-H00E-SHOALS.DGN

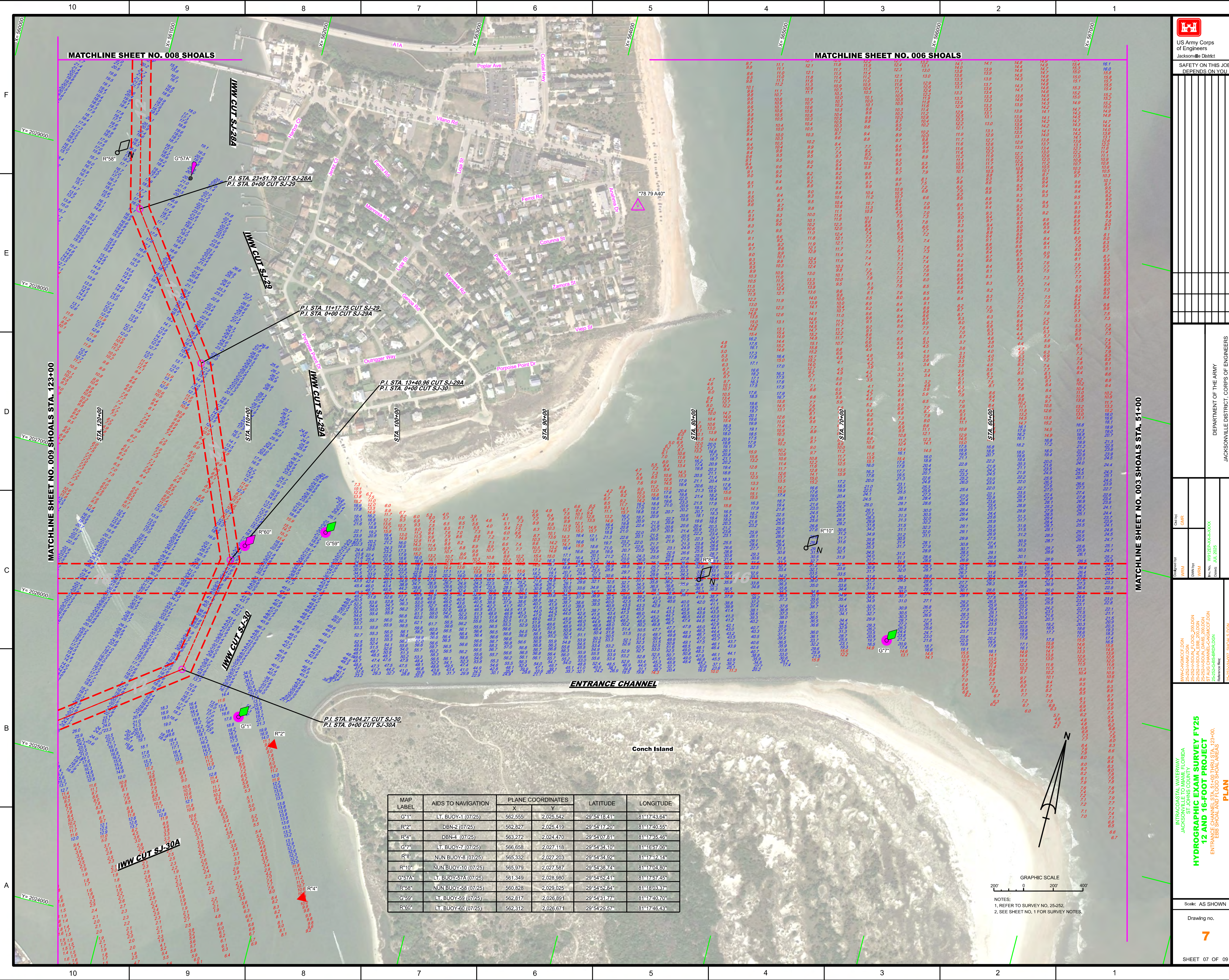
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHNS COUNTY
HYDROGRAPHIC EXAM SURVEY FY25
12 AND 16-FOOT PROJECT
EBB SHOALS
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 09



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G-1"	LT. BUOY-1 (07/25)	562.555	2,025.542	29°54'18.41"	81°17'43.64"
R-2"	DBN-2 (07/25)	562.827	2,025.419	29°54'17.20"	81°17'40.55"
R-4"	DBN-4 (07/25)	563.272	2,024.470	29°54'07.81"	81°17'35.46"
G-7"	LT. BUOY-7 (07/25)	566.658	2,027.118	29°54'34.70"	81°16'57.06"
R-8"	NUN BUOY-8 (07/25)	565.332	2,027.203	29°54'34.92"	81°17'42.14"
R-10"	NUN BUOY-10 (07/25)	565.979	2,027.587	29°54'38.74"	81°17'04.80"
G-57A"	LT. BUOY-57A (07/25)	561.349	2,028.980	29°54'52.41"	81°17'57.45"
G-58"	NUN BUOY-58 (07/25)	560.828	2,029.025	29°54'52.84"	81°18'03.37"
G-59"	LT. BUOY-59 (07/25)	562.817	2,026.891	29°54'31.77"	81°17'40.70"
R-60"	LT. BUOY-60 (07/25)	562.312	2,026.671	29°54'29.57"	81°17'46.43"

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

Call No: 25-2525-0000
DWG No: 25-2525-0000
Rev: 001
Date: JUL 2025

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHN'S COUNTY
HYDROGRAPHIC EXAM SURVEY FY25
12 AND 16-FOOT PROJECT
ENTRANCE CHANNEL STA. 51+00 THRU STA. 123+00
EBB SHOAL AND FLOOD SHOALS AREAS

Scale: AS SHOWN

Drawing No. 7

SHEET 07 OF 09

NOTES:
1. REFER TO SURVEY NO. 25-252.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

