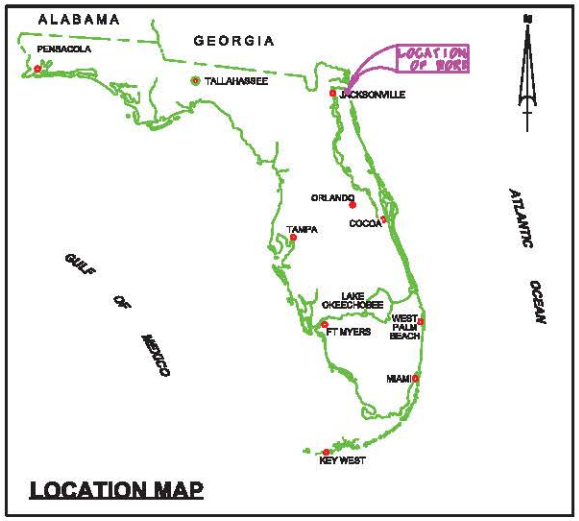
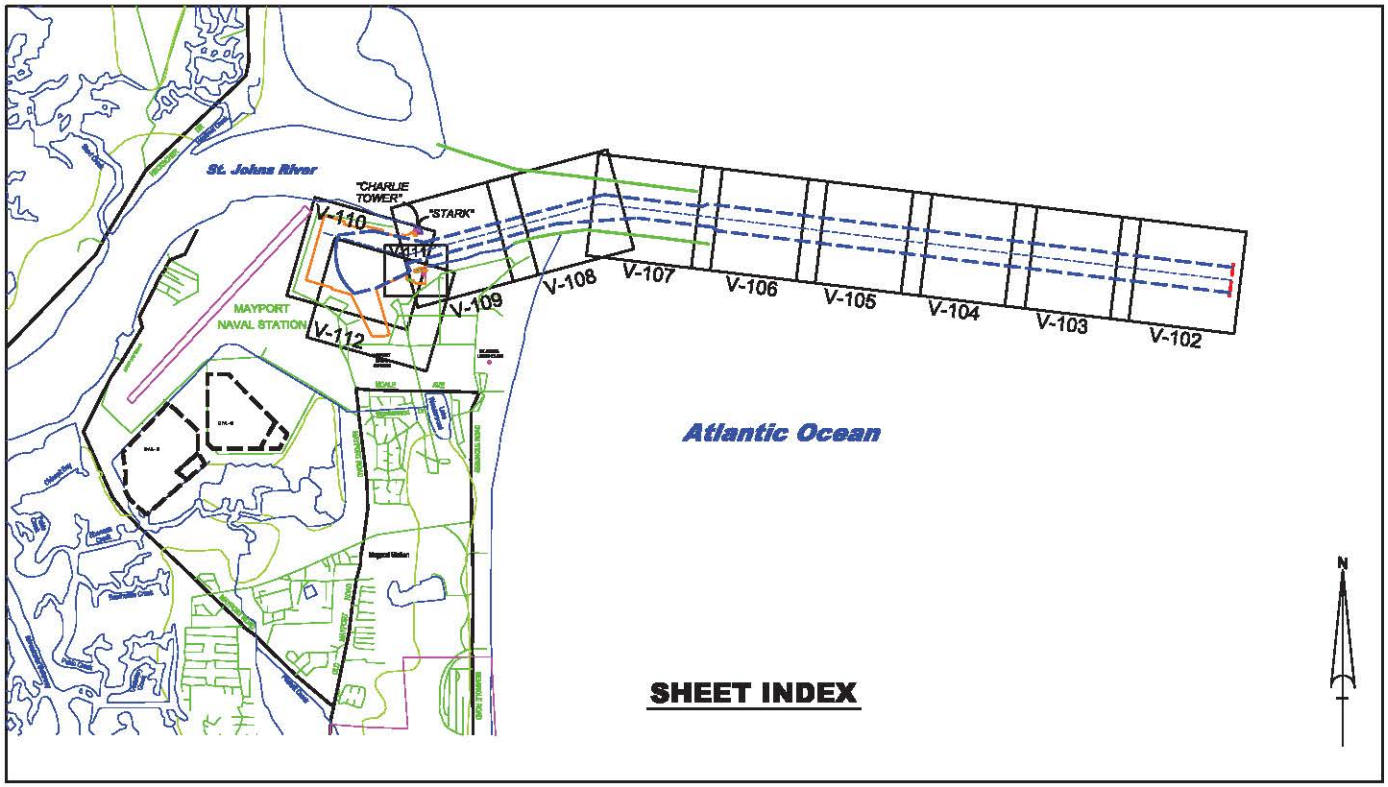
U.S. NAVAL STATION MAYPORT

3RD TRI-ANNUAL EXAMINATION SURVEY

FY13



LOCATION MAP



SHEET INDEX

MAP SHEET NOTES:

1. REFER TO SURVEY NO. 13-169.

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 GAGE SITES SPECIFIED BELOW:

   *NOAA TIDAL STATION 8720281 MAYPORT NAVAL STA., ST JOHNS RIVER FOR ENTIRE PROJECT.

3. TIDAL PREDICTIONS WERE OBTAINED USING REAL-TIME KINEMATIC (RTK) GPS AND UTILIZING THE LATEST HYPACK KINEMATIC TIDAL DATUM MODEL (CAMDENGA-NASSAU-JEAN-JST-JOHNS-FLAGLER_RTP20011.RTD).

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 NORTH AMERICAN DATUM OF 1983 (NAD83).

6. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE (WGS) LOCATION:

   REFERENCE STATION LOCATED AT "CHARLIE TOWER" (CPUS PID = SS0000)

   TIDE STAFF LOCATED FROM "STARK" (CPUS PID = SS0000)

7. VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 200 SMARTSOUNDER WITH A DUAL FREQUENCY 200/50 HI-Z SINGLE-BEAM TRANSDUCER AND A R/S SONIC 2024 MULTIBEAM SYSTEM. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY (200KHZ), FROM STA 0+00 OF BAR CUT-B TO RIV STA 29+35 OF THE ENTRANCE CHANNEL, AND LOW FREQUENCY (50KHZ) FROM STA 68+35 THRU TURNING BASIN, DESTROYER SLIP AND SMALL BOAT BASIN.

VESSEL	DATE OF SURVEY	CUT
SS-46	12 SEP 2013	ENTRANCE CHANNEL, STA 0+00 TO 29+80
SS-46	13 SEP 2013	BAR CUT-B, STA 0+00 TO 160+00
SS-46	14 SEP 2013	BAR CUT-3, STA 159+99 TO 234+00
SS-46	16 SEP 2013	ENT CHANNEL, STA 29+00 TO 68+42, TURNING BASIN, DESTROYER SLIP & SMALL BOAT BASIN
SS-46	20 DEC 2013	ENTRANCE CHANNEL, STA 0+00 TO 80+00 (RE-SURV)

8. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.

9. 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 AND IS NOT TO BE USED FOR NAVIGATION.

10. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 01 JAN 2002.

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

GRAPHIC SCALE

1000 0 1000 2000

N

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

Designed by:
Drawn by:
Date:
Field Book:
DEC 2013

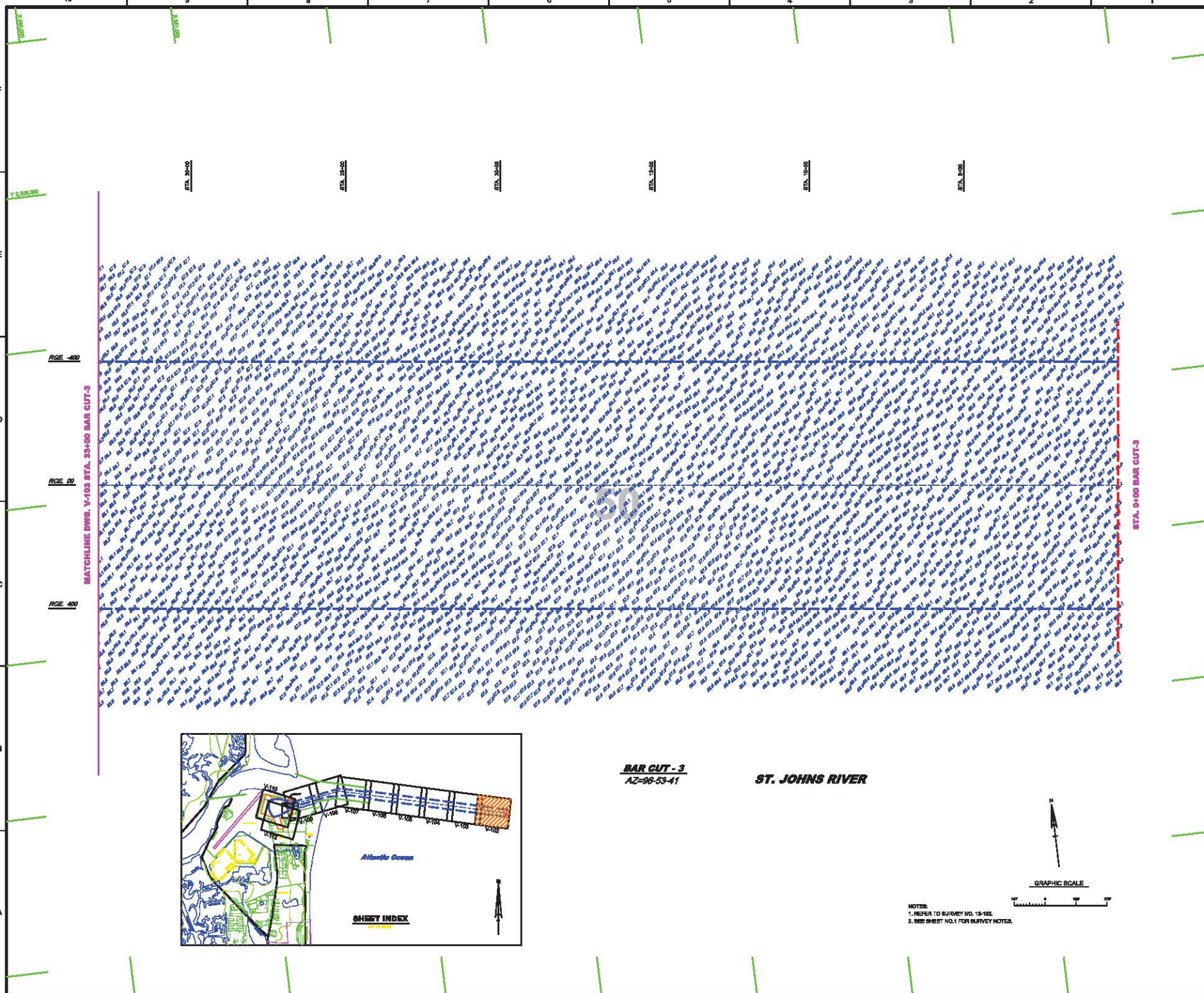
13-169-SURVEY-DOCS\MAYPORT\SURVEY-DOCS\MAYPORT-3RD-TRI-ANNUAL-EXAM-2013.DGN

Reference files:
13-169-MAYPORT-MB-101.DGN
File Name:

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
HYDROGRAPHIC BEAM SURVEY
COVER, INDEX & LOCATION
PLAN

Scale: AS SHOWN

Drawing no.
V-101



NOTES:
1. REFER TO SURVEY NO. 13-192.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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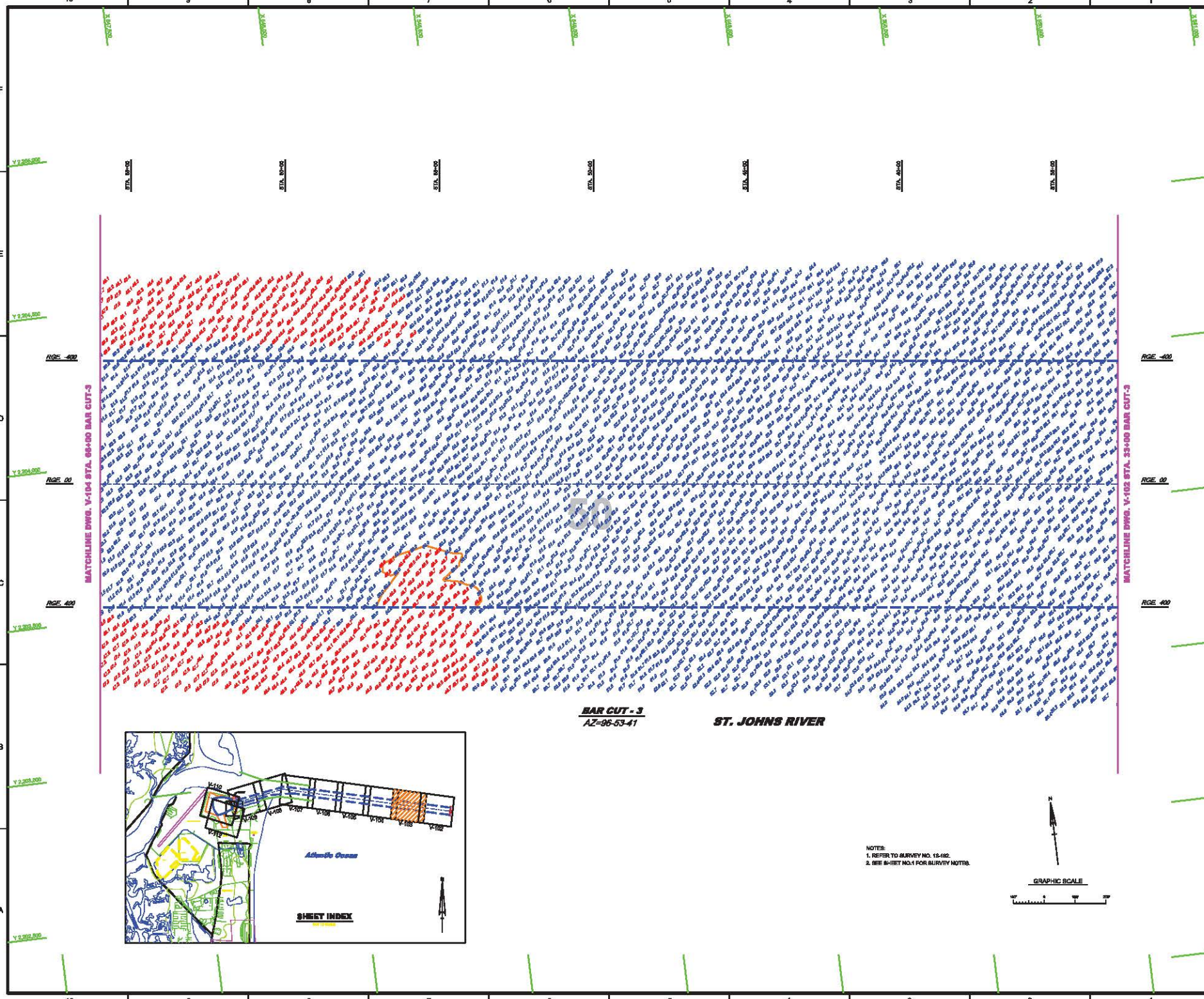
JACKSONVILLE, FLORIDA

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 0+00 TO STA 33+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
V-102



NOTES:
1. REFER TO SURVEY NO. 13-192.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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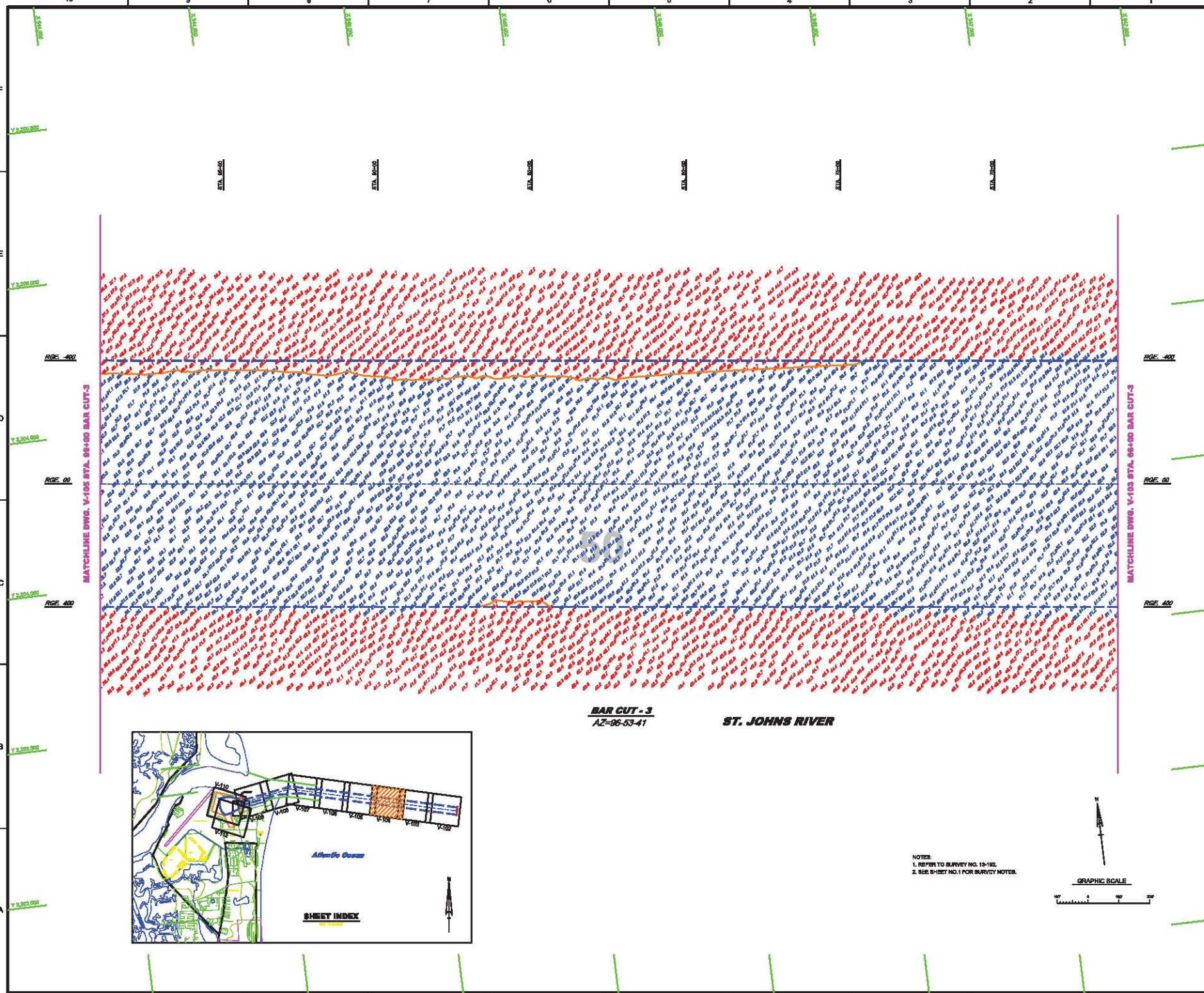
JACKSONVILLE, FLORIDA

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 33+00 TO STA 66+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
V-103



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JACKSONVILLE, FLORIDA

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 99+00 TO STA 99+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
V-104

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY - 3 (09/13)	542,459	2,204,089	30°23'45.17"	81°21'36.36"
LT. BUOY - 4 (09/13)	542,735	2,204,825	30°23'53.51"	81°21'36.28"

STA. 136+00 STA. 128+00 STA. 120+00 STA. 112+00 STA. 104+00 STA. 096+00

MATCHLINE DWG. V-106 STA. 132+00 BAR CUT-3

MATCHLINE DWG. V-104 STA. 99+00 BAR CUT-3

RGE. 400

RGE. 00

RGE. 400

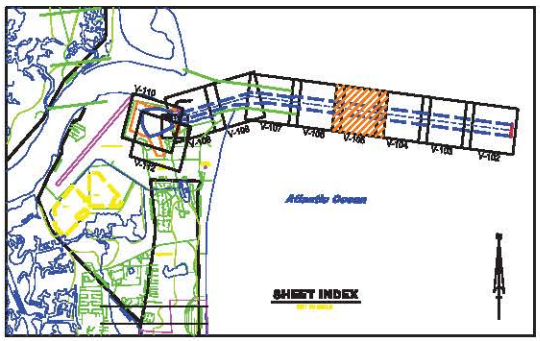
RGE. 400

RGE. 00

RGE. 400

BAR CUT - 3
AZ=96-53-41

ST. JOHNS RIVER



SHEET INDEX

NOTES:
1. REFER TO SURVEY NO. 13-162.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

GRAPHIC SCALE

US Army Corps of Engineers
Jacksonville District

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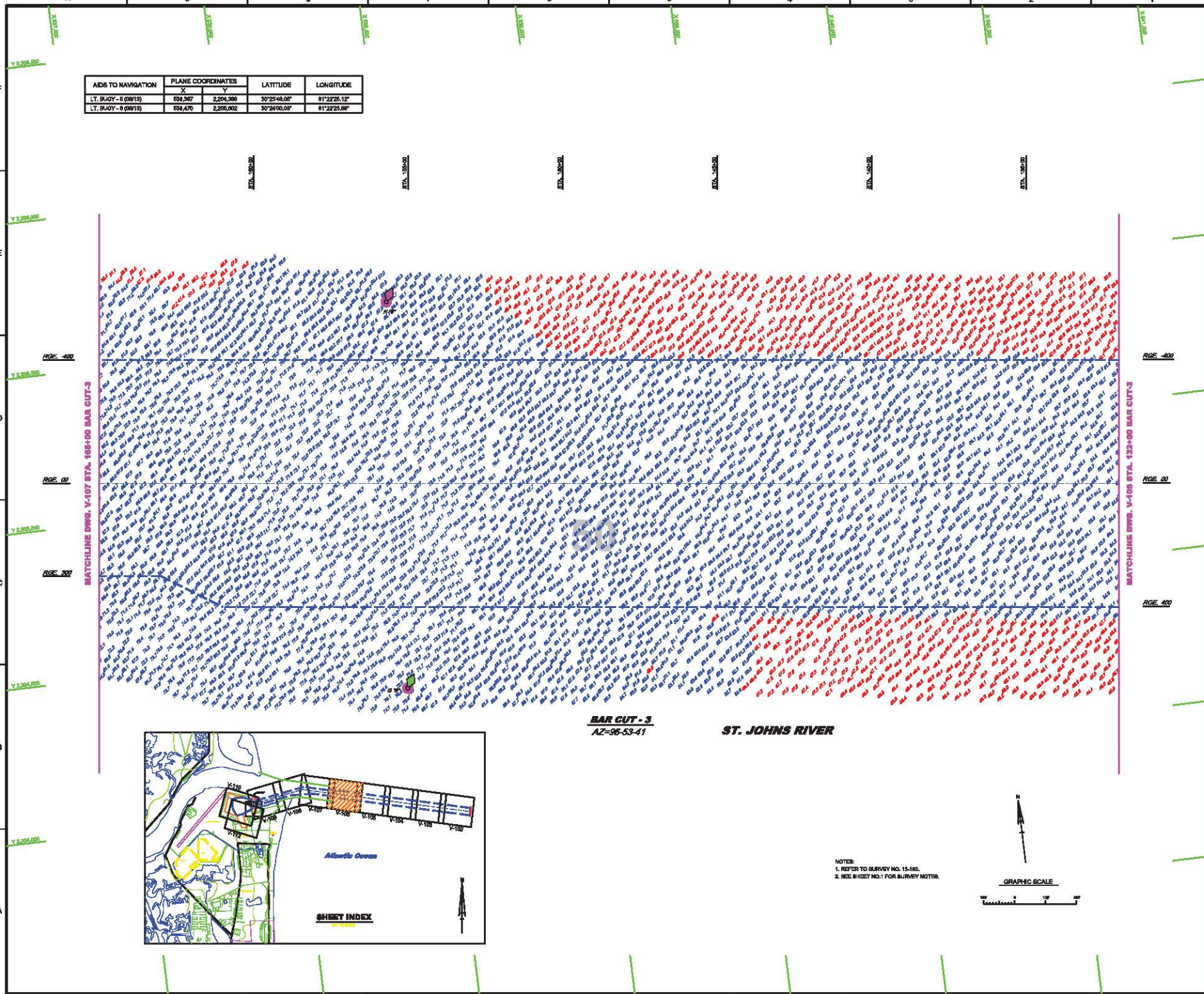
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
HYDROGRAPHIC SCAN SURVEY
STA. 99+00 TO STA. 132+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
V-105

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY - 5 (09/13)	534,367	2,204,388	30°23'48.05"	81°22'25.12"
LT. BUOY - 6 (09/13)	534,470	2,205,602	30°24'00.09"	81°22'23.88"



NOTES:
1. REFER TO SURVEY NO. 13-192.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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Jacksonville District

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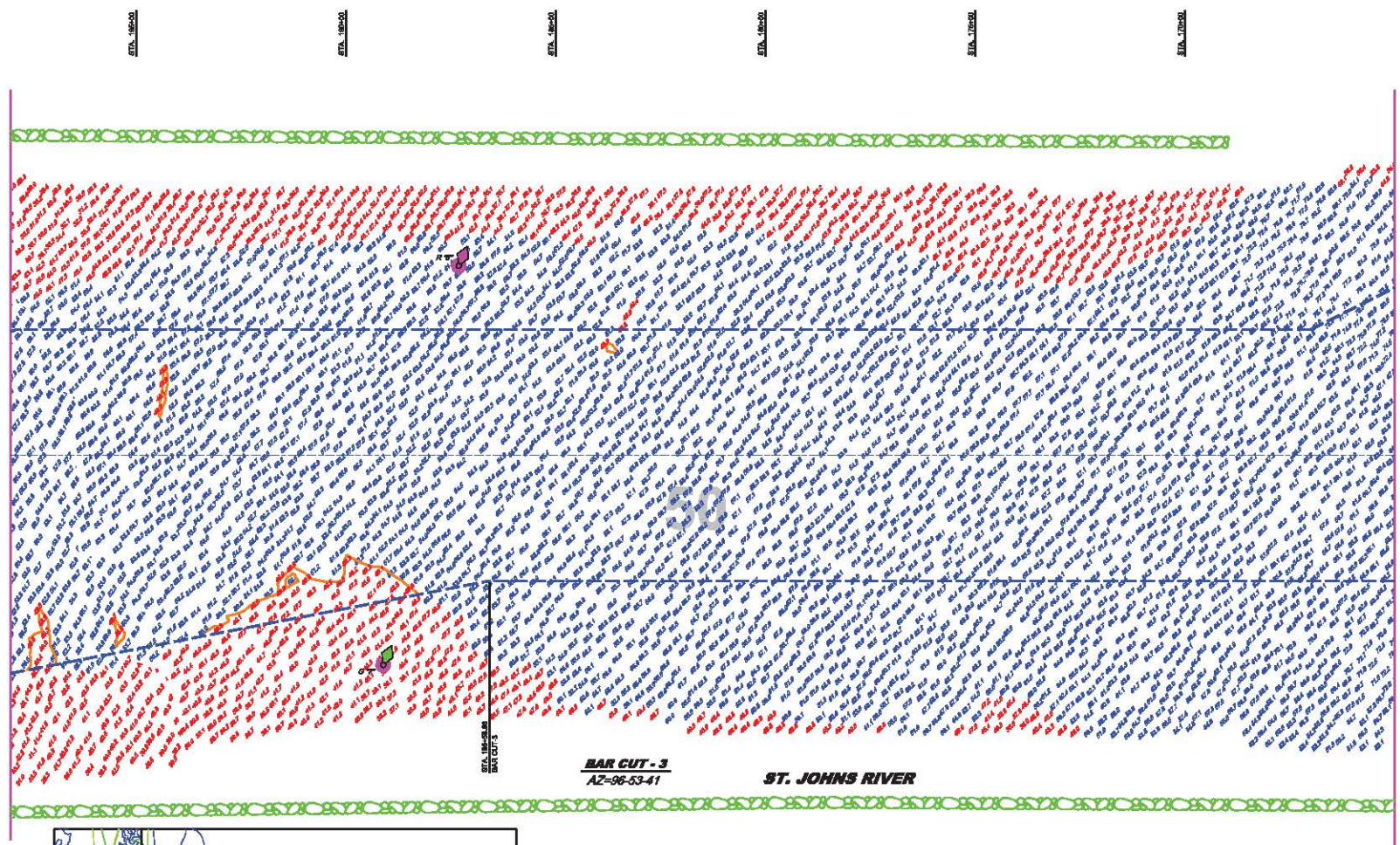
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

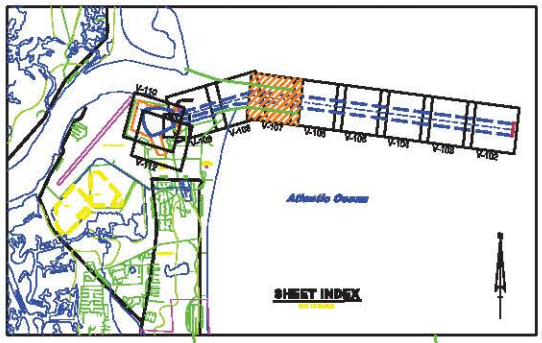
U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 132+00 TO STA 165+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
V-106

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY - 7 (09/13)	535,023	2,204,922	30°25'53.23"	61°23'05.92"
LT. BUOY - 8 (09/13)	535,316	2,205,848	30°24'02.38"	61°23'00.01"





NOTES:
1. REFER TO SURVEY NO. 15-192.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

GRAPHIC SCALE

US Army Corps of Engineers
Jacksonville District

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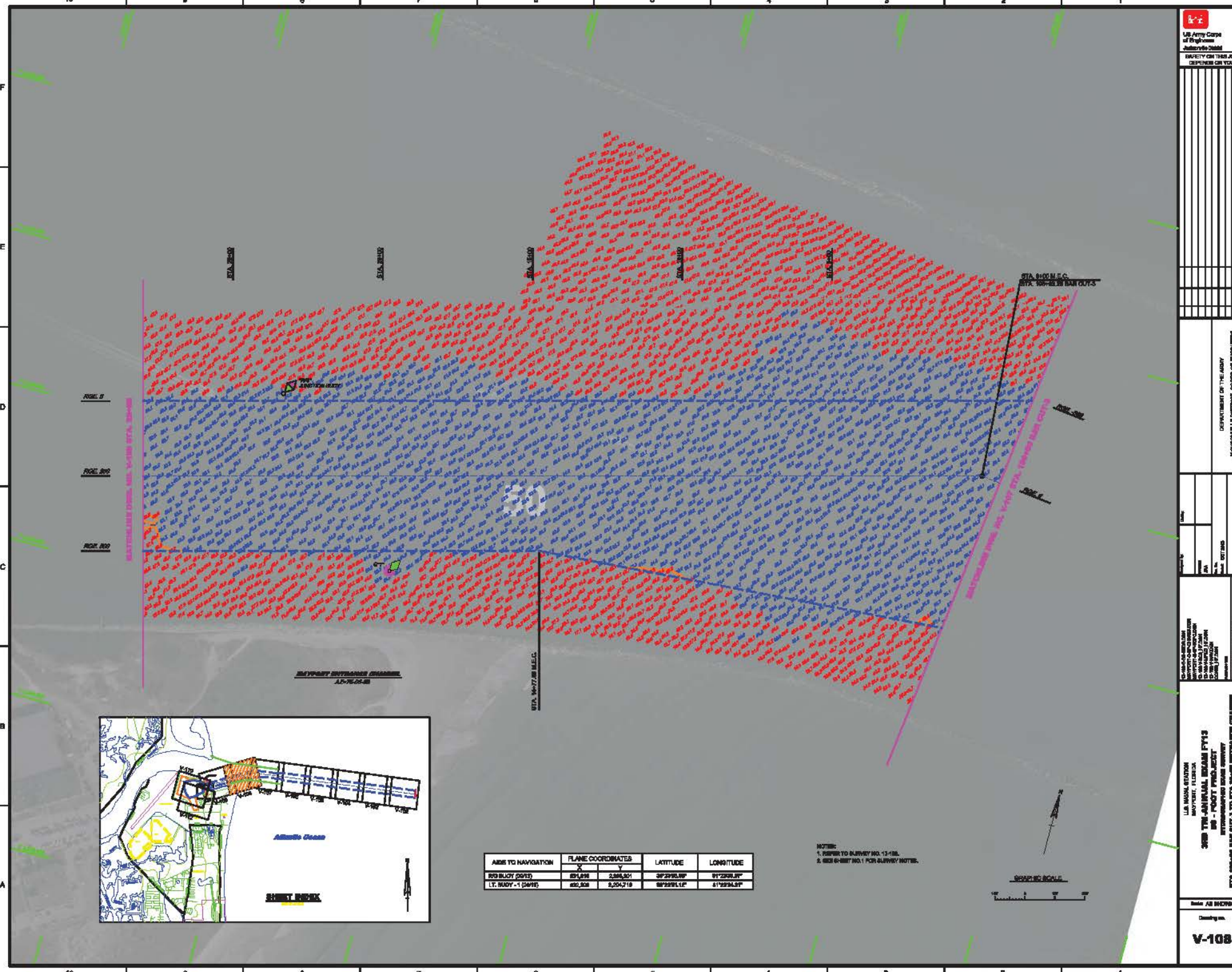
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 165+00 TO STA 195+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
V-107



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
R/G BUOY (09/13)	[illegible]	2,[illegible],301	[illegible]	[illegible]
LT. BUOY - 1 (09/15)	[illegible]	2,204,719	[illegible]	[illegible]

NOTES:
1. REFER TO SURVEY NO. 13-108.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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JACKSONVILLE, FLORIDA

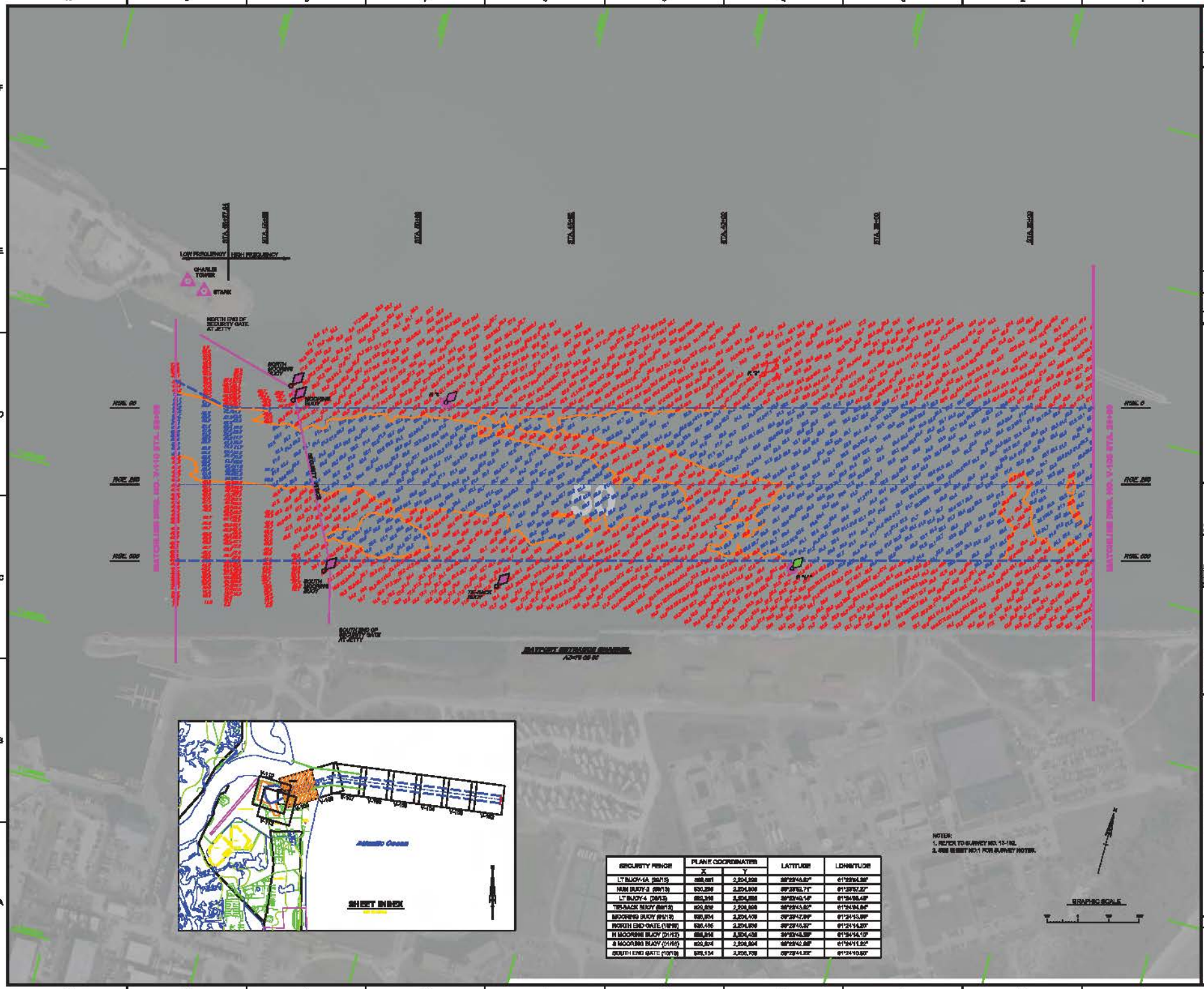
U.S. NAVAL STATION
MAYPORT, FLORIDA

3RD TRI-ANNUAL EXAM FY13
DS - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA. 100+00 MAE CUT-3 TO STA. 25+00 ENTRANCE CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.

V-108



SECURITY FENCE	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY-1A (SN13)	668,441	2,204,308	28°23'46.82"	81°23'54.38"
NUM BUOY-2 (SN13)	630,286	2,204,808	28°23'58.71"	81°23'57.37"
LT BUOY-4 (SN13)	592,316	2,204,888	28°23'40.14"	81°24'06.48"
TER-BACK BUOY (SN12)	559,502	2,206,908	28°23'43.82"	81°24'04.84"
MOORING BUOY (SN12)	526,854	2,204,109	28°23'47.89"	81°24'13.89"
NORTH END GATE (10N9)	526,185	2,204,809	28°23'48.37"	81°24'14.23"
N MOORING BUOY (01N3)	666,848	2,204,428	28°23'48.38"	81°24'14.10"
S MOORING BUOY (01N5)	526,824	2,206,804	28°23'42.88"	81°24'11.22"
SOUTH END GATE (10N10)	526,134	2,206,709	28°23'44.23"	81°24'10.83"

NOTES:
1. REFER TO SURVEY NO. 13-192.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

GRAPHIC SCALE

US Army Corps of Engineers
Jacksonville District

SAFETY ON THE JOB DEPENDS ON YOU

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

Date: OCT 2013

U.S. NAVAL STATION
MAYPORT, FLORIDA
38ft TSS-ANNUAL DSAMH FY13
50 - FOOT PROJECT
HYDROGRAPHIC SURVEY
STA 59+00 TO STA 69+00 ENTRANCE CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
V-109

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
TIE BACK BUOY (01/13)	635,573	2,253,071	30°23'40.62"	81°24'15.93"

NOTES:
1. REFER TO SURVEY NO. 13-102.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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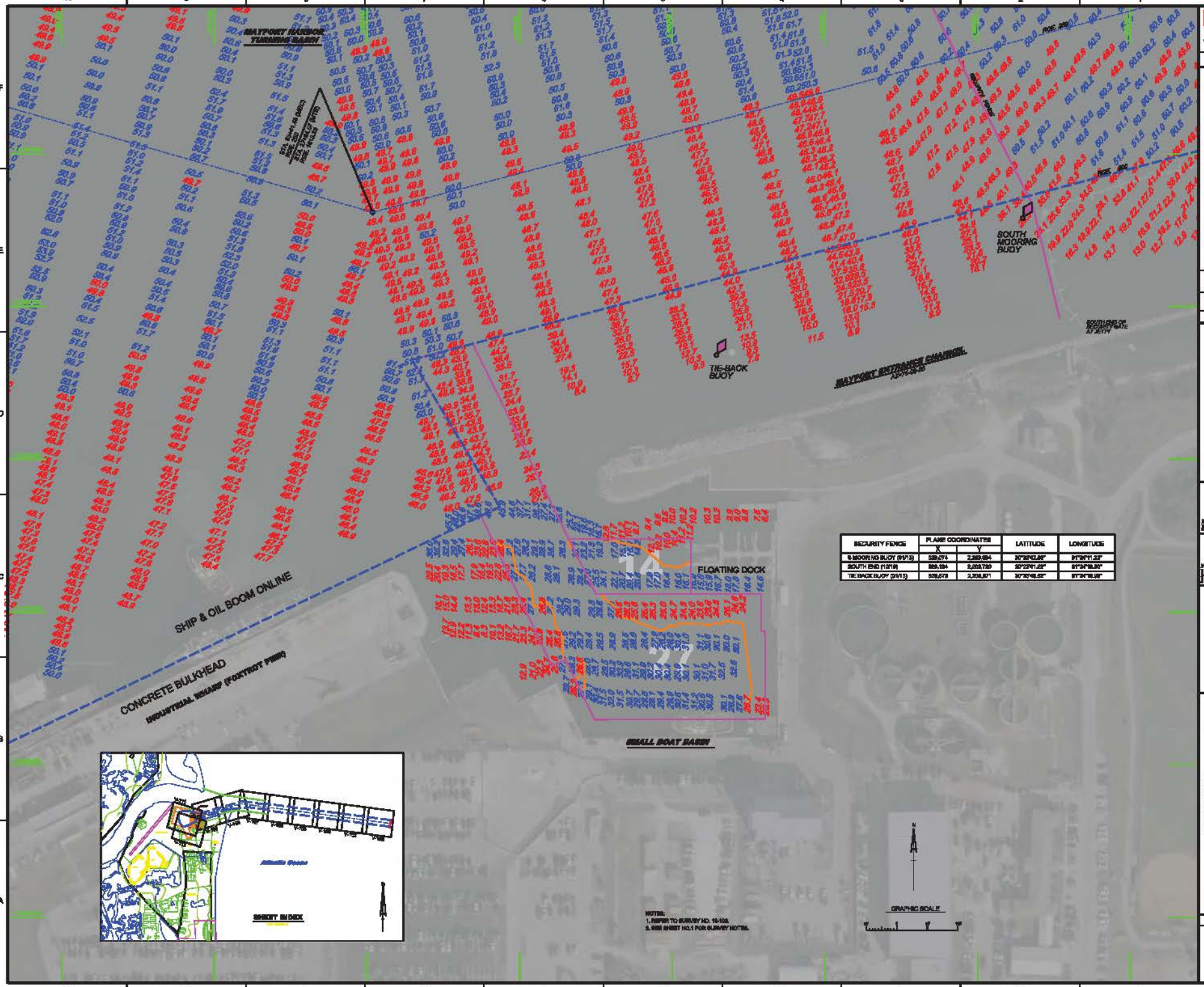
JACKSONVILLE, FLORIDA

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
TURNING BASIN
PLAN

Scale: AS SHOWN

Drawing no.
V-110



SECURITY FENCE	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
S MOORING BUOY (01/13)	528,074	2,263,394	30°23'42.86"	81°24'11.22"
SOUTH END (10/16)	529,194	2,263,720	30°23'41.22"	81°24'10.86"
TIE BACK BUOY (01/13)	528,573	2,268,871	30°23'48.52"	81°24'18.98"

NOTES:
1. REFER TO SURVEY NO. 13-102.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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JACKSONVILLE, FLORIDA

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
SMALL BOAT BASIN
PLAN

Scale: AS SHOWN

Drawing no.
V-111

US Army Corps of Engineers
Jacksonville District

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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY13
50 - FOOT PROJECT
HYDROGRAPHIC SEAM SURVEY
DISTRICTED SLIP
PLAN

Scale: AS SHOWN

Drawing no.

V-112