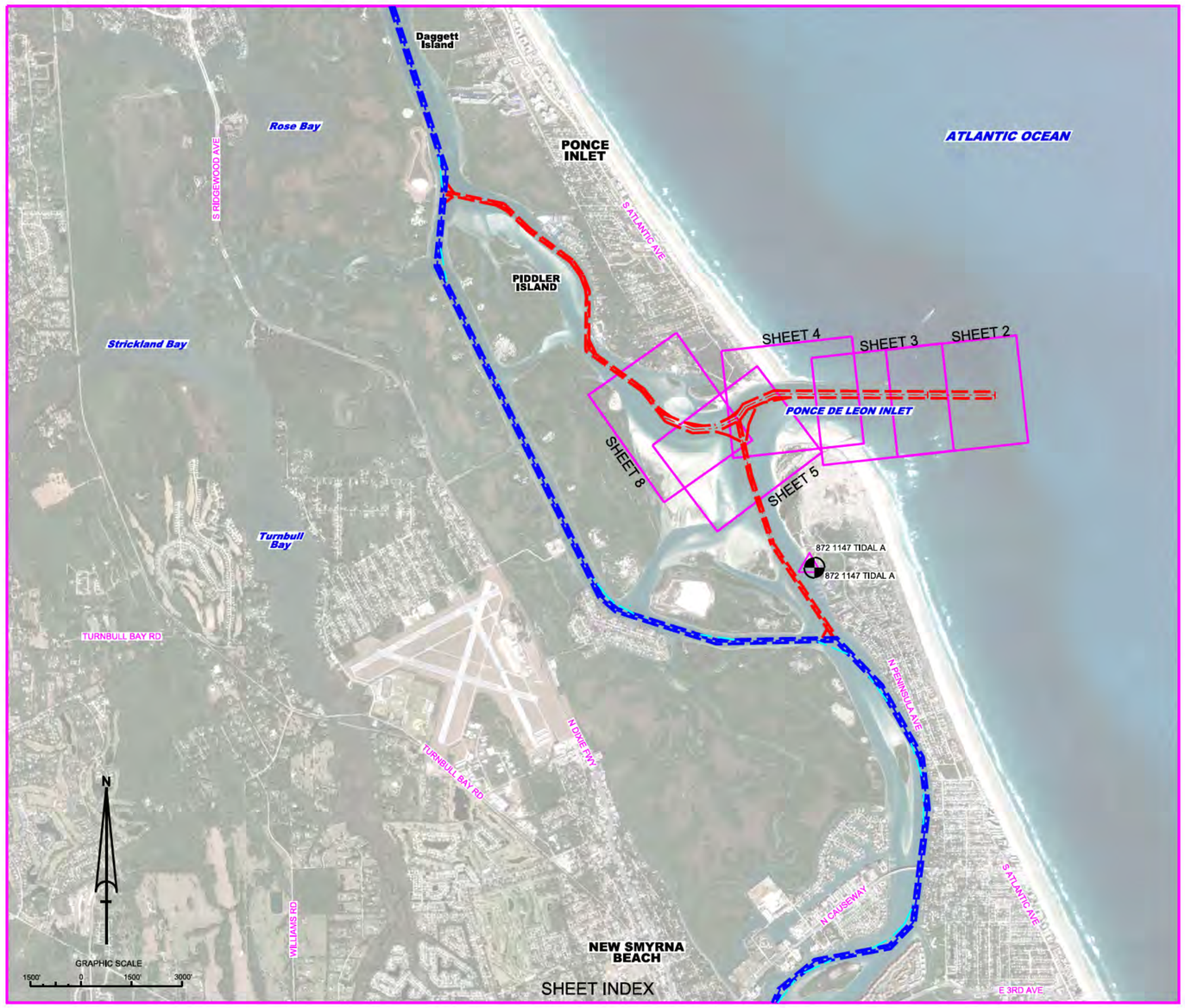
PONCE DE LEON INLET
AFTER-DREDGE SURVEY FY14
VOLUSIA COUNTY, FLORIDA
7, 12 AND 15-FOOT PROJECT

LOCATION MAP



SURVEY NOTES

1. REFER TO SURVEY NO. 14-143.
2. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW. KTD FILE NAME IS: "PONCE DELEON INLET-ONLY-2013 04 18.KTD".
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
5. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "872 1147 TIDAL A" (OPUS PID: DK6692)

   TIDE STAFF LOCATED FROM 872 1147 TIDAL A (OPUS PID: DK6692) FOR ENTIRE PROJECT
8. 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 BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872-1147 TIDAL A (OPUS PID: DK6692) USED FOR ENTIRE PROJECT.

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER MODEL 835 WITH A DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER AND EDGETECH 6205 COMBINED MULTIBEAM SIDESCAN SONAR
   ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-48	17 JUNE 2014	1A, 1S & 2A
SB-48	18 JUNE 2014	3A, 3N, 4N, 5N & 6N

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. 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.
11. 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.

LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	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

Cad by: GR
Job No. M91265P-XXX-XXXX
Dwn by: VRM
Dates: DD MMM YYYY

H:\PROJECTS\...\DGN\
MAP INDEX & LOCATION
PONCEDELEONINLET-A15PMCDF-HARN-2D.DGN

14-143-CHS-BRDR.DGN
Reference files:

7-14-1KSVH-001.DGN
Tile name:

PONCE DE LEON INLET, FLORIDA
PONCE DE LEON INLET
AFTER-DREDGE SURVEY FY14
7 AND 12-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 11

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-4 (06/14)	688,079	1,725,101	29°04'45.12"	80°54'00.33"
LT. BUOY-5 (06/14)	687,492	1,724,249	29°04'36.68"	80°54'06.95"

NOTES:
1. REFER TO SURVEY NO. 14-143.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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No.	Symbol	Zone

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

Designed by: WRM
DWN by: WRM
Ckd by: GR
Inv. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

13-095-V-NAV.DGN
13-095-V-SOUN_CTA.DGN
PONCEDELEONINLET-V-SPMCCF-HARN-2D.DGN

14-143-C-BS-BRDR.DGN
Reference files:
14-143-VH-002.DGN
File name:

PONCE DE LEON INLET, FLORIDA

PONCE DE LEON INLET AFTER-DREDGE SURVEY FY14 7 AND 12-FOOT PROJECT

STA. 0+00 THRU STA. 20+00 CUT-1A

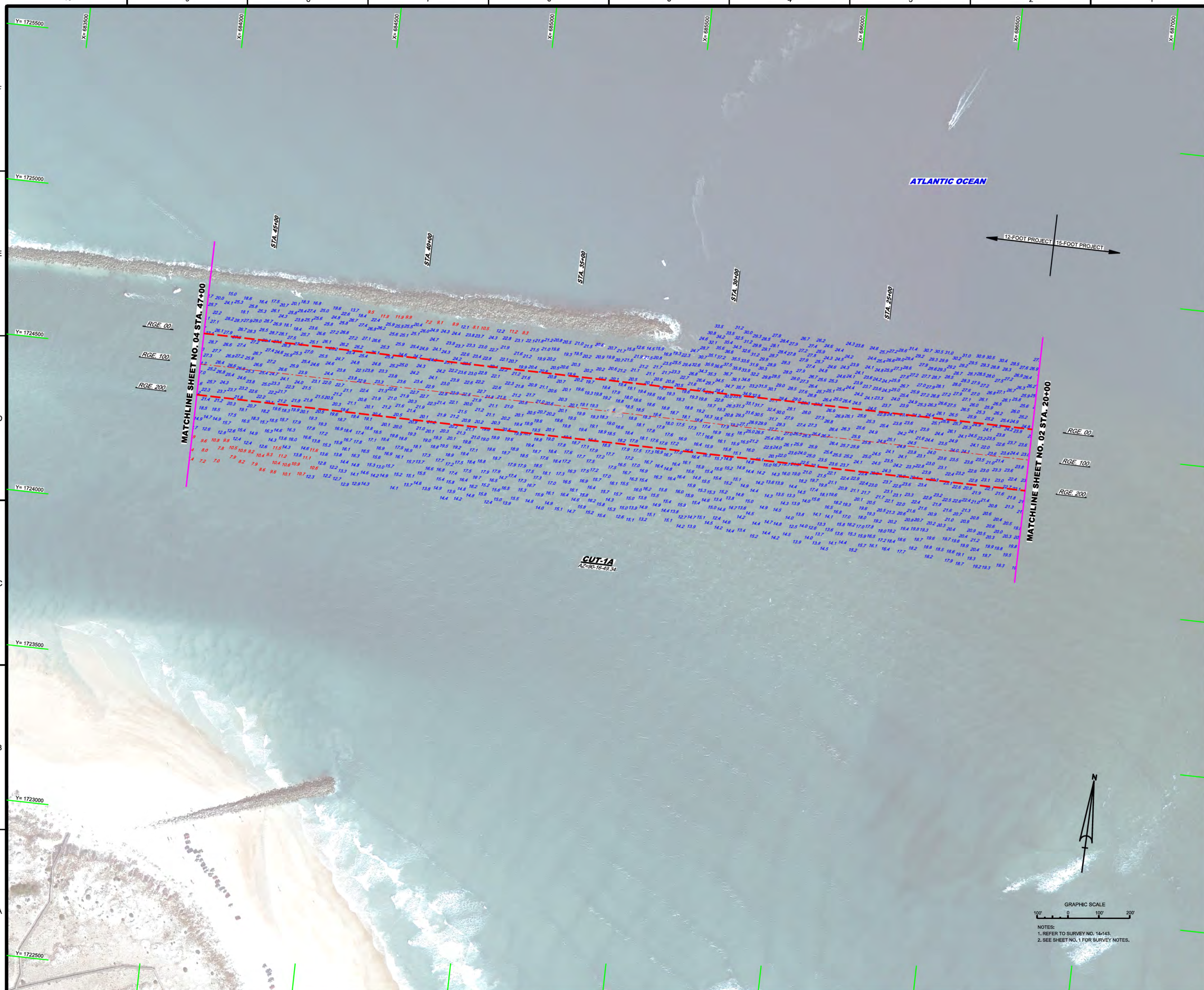
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 11



NOTES:
1. REFER TO SURVEY NO. 14-143.
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

Designed by: WRM
Dwn by: WRM
Ckd by: GR
Inv. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

14-143-V-SOUN_C1A.DGN
PONCEDELEONINLET-V-SPMCCF-HARN-2D.DGN
14-143-C-BS-BRDR.DGN
Reference files:
14-143-VH-003.DGN
File name:

PONCE DE LEON INLET, FLORIDA

PONCE DE LEON INLET AFTER-DREDGE SURVEY FY14 7 AND 12-FOOT PROJECT

STA. 20+00 THRU STA. 47+00 CUT-1A

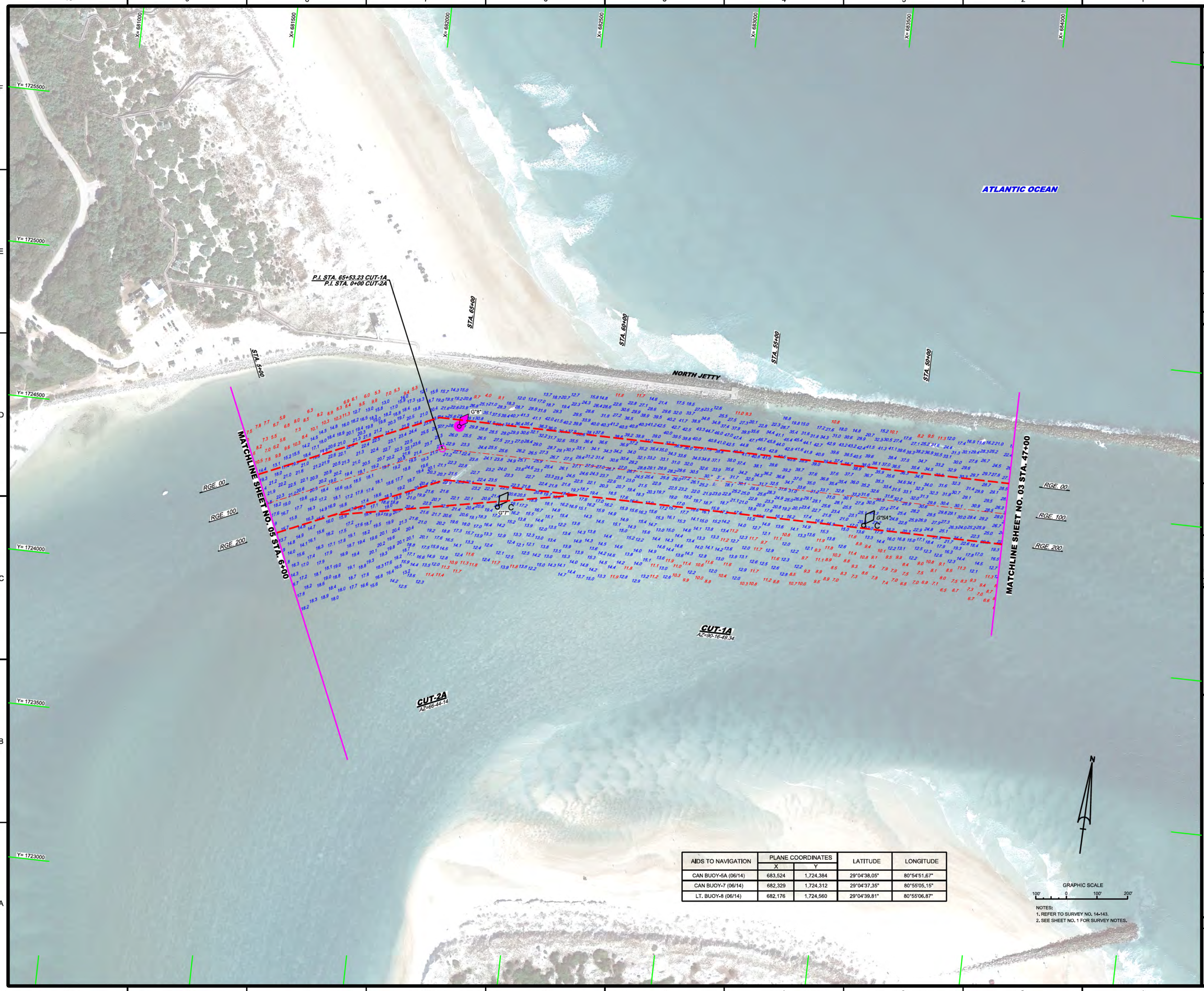
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
CAN BUOY-5A (06/14)	683,524	1,724,384	29°04'38.05"	80°54'51.67"
CAN BUOY-7 (06/14)	682,329	1,724,312	29°04'37.35"	80°55'05.15"
LT. BUOY-8 (06/14)	682,176	1,724,560	29°04'39.81"	80°55'06.87"

NOTES:
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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

Designed by: WRM
Dwn by: WRM
Ckd by: GR
Inv. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

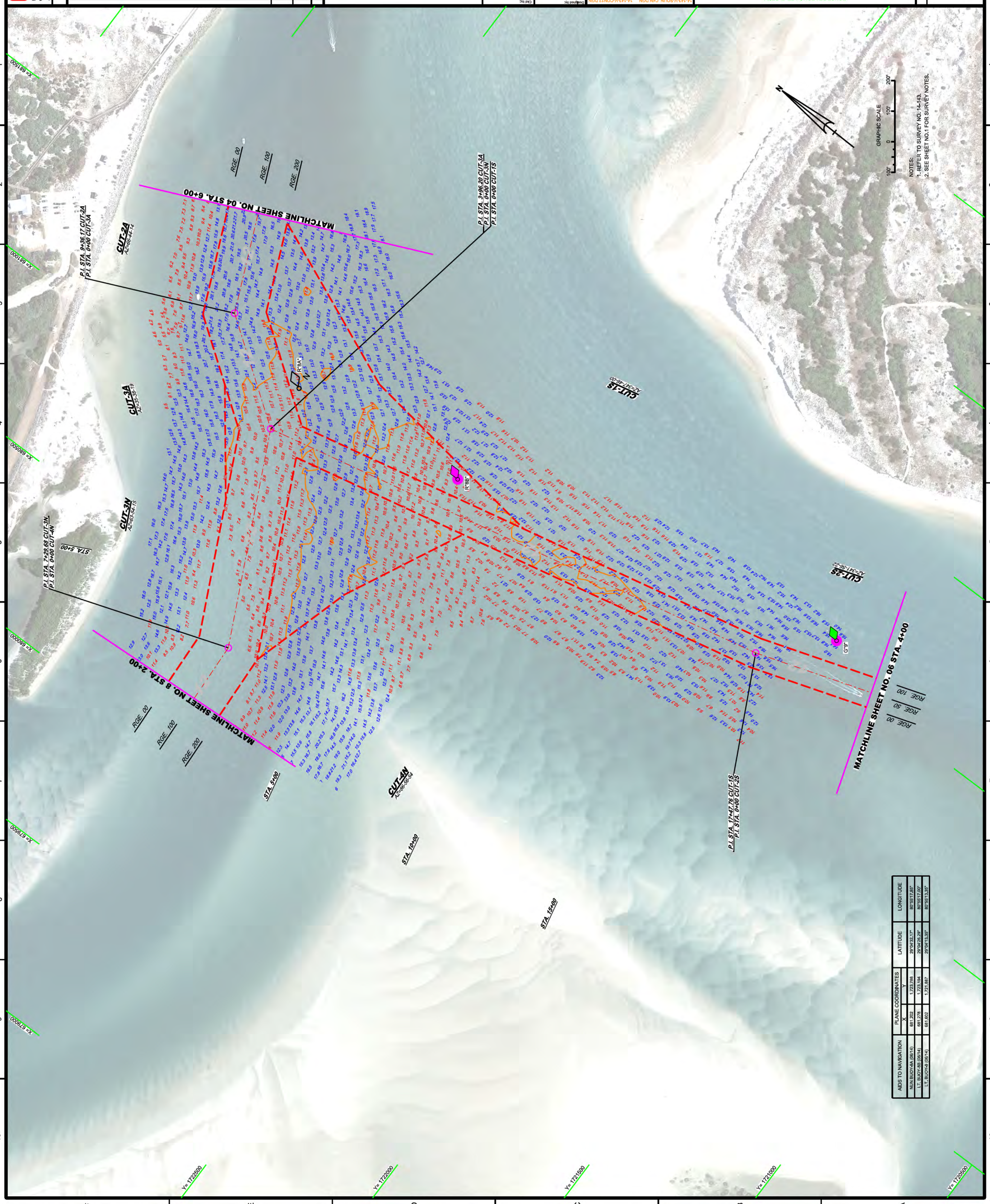
14-143-V-NAV.DGN
14-143-V-SOUN_C2A.DGN
14-143-V-SOUN_C1A.DGN
PONCEDELEONINLET-V-SPMCCF-HARN-2D.DGN
14-143-G-BS-BRDR.DGN
Reference files:
14-143-VH-004.DGN
File name:

PONCE DE LEON INLET, FLORIDA
PONCE DE LEON INLET AFTER-DREDGE SURVEY FY14 7 AND 12-FOOT PROJECT
STA. 20+00 THRU STA. 47+00 CUT-1A
PLAN

Scale: AS SHOWN

Drawing no.
4

SHEET 04 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
NUN BUOY-8A (06/14)	681,202	1,723,788	29°04'32.17"	80°55'17.85"
LT. BUOY-8B (06/14)	681,278	1,723,194	29°04'26.29"	80°55'17.00"
LT. BUOY-9 (06/14)	681,602	1,721,887	29°04'13.35"	80°55'13.35"

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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: WRM
Dwn by: WRM
Ckd by: GR
Inv. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

14-143-V-CON12.DGN
14-143-V-NAV.DGN
14-143-V-SOUN_CAN.DGN
14-143-V-SOUN_C3A.DGN
14-143-V-SOUN_C2A.DGN
14-143-V-SOUN_C1S-DGN
PONCEDELEONINLET-V-SPMCCF-HARN-2D.DGN
14-143-G-BS-BRDR.DGN
14-143-VH-005.DGN

PONCE DE LEON INLET, FLORIDA

PONCE DE LEON INLET
AFTER-DREDGE SURVEY FY14
7 AND 12-FOOT PROJECT

STA. 6+00 CUT-2A THRU STA. 2+00 CUT-4N &
STA. 0+00 CUT-1S THRU STA. 4+00 CUT-2S

PLAN

Scale: AS SHOWN

Drawing no. 5

SHEET 05 OF 11

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
SIGN (06/14)	678,412	1,723,497	29°04'29.30"	80°55'49.29"
SIGN (06/14)	678,801	1,723,750	29°04'28.89"	80°55'44.91"

Y= 172600
Y= 172550
Y= 172500
Y= 172450
Y= 172400
Y= 172350
X= 678000
X= 678500
X= 677500
X= 677000
P.I. STA. 6+57.38 CUT-4N
P.I. STA. 0+00 CUT-5N
P.I. STA. 9+28.21 CUT-5N
P.I. STA. 0+00 CUT-6N
P.I. STA. 10+41.64 CUT-6N
P.I. STA. 0+00 CUT-7N
STA. 5+00
STA. 5+00
STA. 10+00
MATCHLINE SHEET NO. 05 STA. 2+00
MATCHLINE SHEET NO. 09 STA. 3+00
RGE. 00
RGE. 100
RGE. 200
RGE. 00
RGE. 50
RGE. 100
SHALLOW WATER
SHALLOW WATER
SHALLOW WATER
SHALLOW WATER
SIGN
SIGN
CUT-4N
AZ=086-56-54
CUT-5N
AZ=142-11-17
CUT-6N
AZ=142-14-11
CUT-7N
AZ=125-37-49

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 14-143.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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

Cad by: GR
Designed by: WRM
DWN by: WRM
Rev. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

14-143-XCONT.DGN
14-143-XLOC.DGN
14-143-XSOUN_CON.DGN
14-143-XSOUN_GEN.DGN
PONCEBELEDONNILETHASPMCCF-HWRN-2D.DGN
14-143-XSHRDR.DGN
Reference files:
14-143-YH008.DGN
Tie - items:

PONCE DE LEON INLET, FLORIDA
PONCE DE LEON INLET
AFTER-DREDGE SURVEY FY14
7 AND 12-FOOT PROJECT
STA. 2+00 CUT-4N THRU STA. 3+00 CUT-7N
PLAN

Scale: AS SHOWN

Drawing no.
8

SHEET 08 OF 11