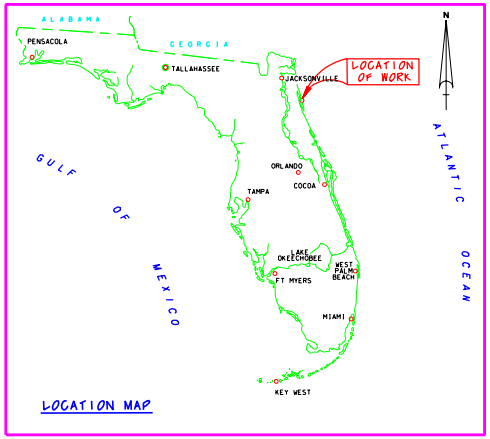
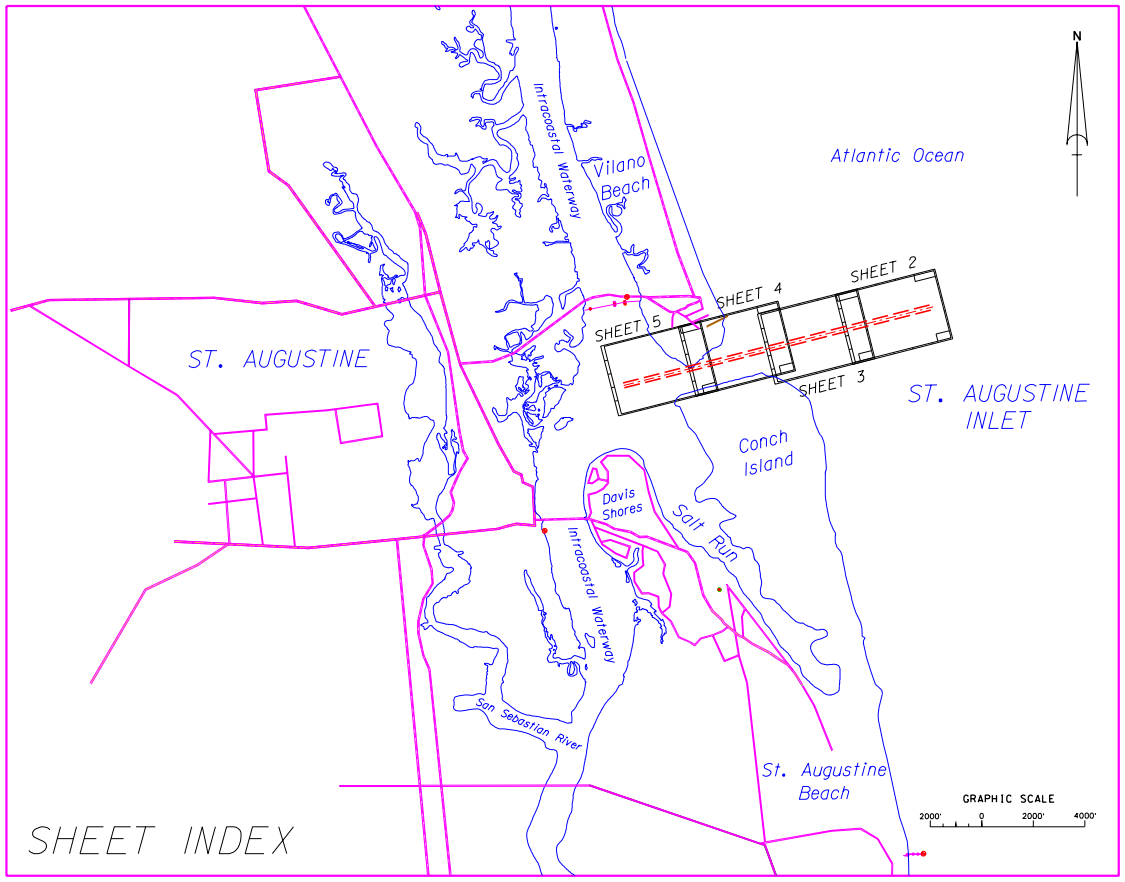
ST. AUGUSTINE INLET
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY



LOCATION MAP



SHEET INDEX

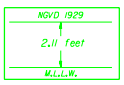
SURVEY NOTES:

1. REFER TO SURVEY NO. 03-131.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 2.11 FEET BELOW NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET IN THE VICINITY OF, AND REFERENCED FROM, COE BENCHMARK "SJBE-14".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
WB-34	15 MAY 03	ENTRANCE CHANNEL

9. AIDS TO NAVIGATION WERE NOT 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.
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, 1 JAN 02.

BENCHMARK	NGVD ELEV. (FT)
SJBE-14	17.29



Relationship between NGVD 1929 and NOAA Mean Lower Low Water Tidal Datum (1960-1978 epoch)

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

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Rev. No.
Dataset
Scale: AS SHOWN
Plot date
Plot scale

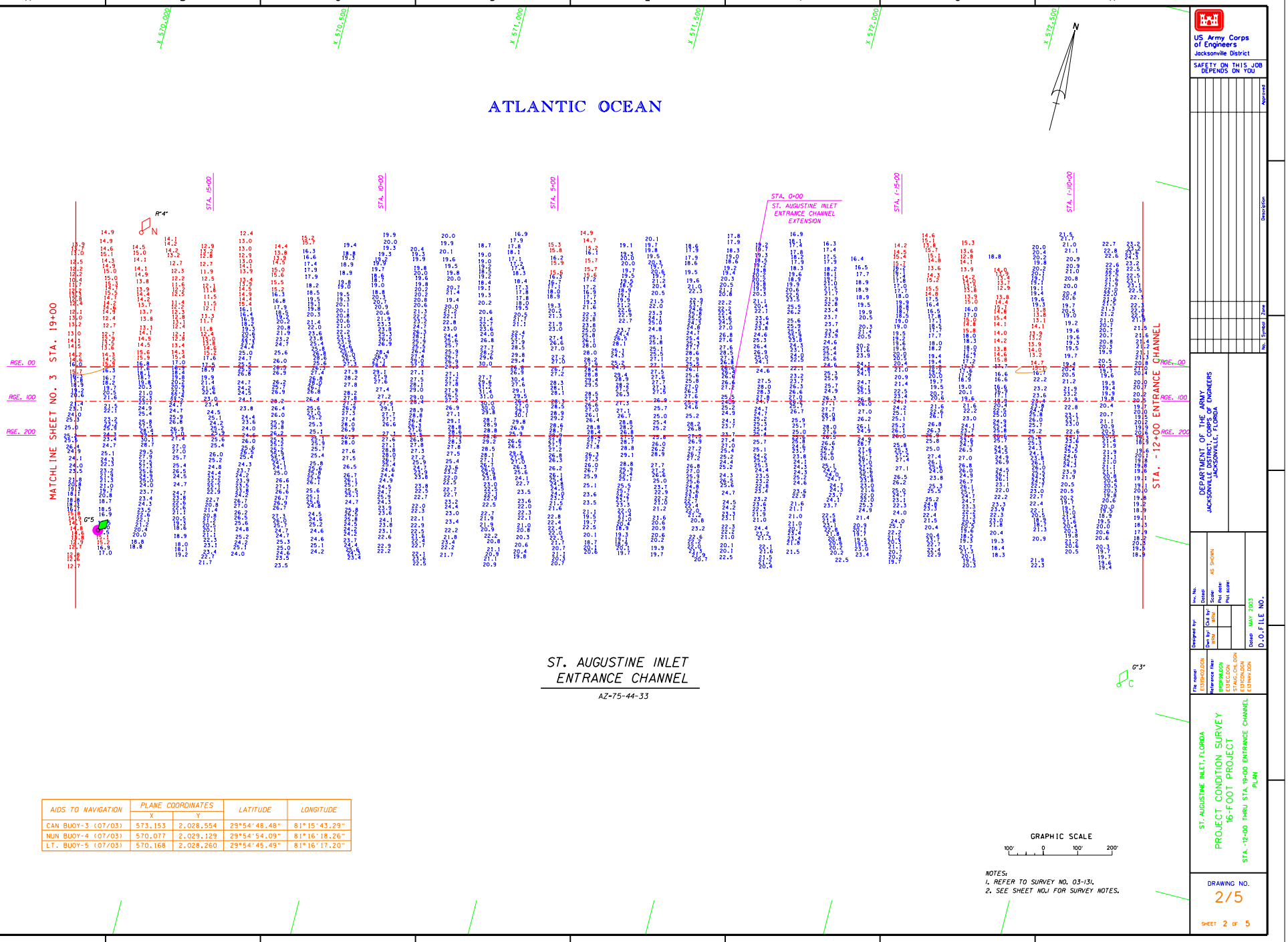
Designed by
Drawn by: GRW
Cost by: GRW
Dated: MAY 2003
D.O.F. FILE NO.

File name: E330HS01.DGN
Reference files: SHORES.DGN SHEET.DGN NEWT.MAP.DGN AUG_TOPO83.DGN

ST. AUGUSTINE INLET, FLORIDA
PROJECT CONDITION SURVEY
16-FOOT PROJECT
ENTRANCE CHANNEL
PLAN

DRAWING NO.
1/5

SHEET 1 OF 5



ST. AUGUSTINE INLET
ENTRANCE CHANNEL

AZ-75-44-33

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
CAN BUOY-3 (07/03)	573,153	2,028,554	29°54'48.48"	81°15'43.29"
NUN BUOY-4 (07/03)	570,077	2,029,129	29°54'54.09"	81°16'18.26"
LT. BUOY-5 (07/03)	570,168	2,028,260	29°54'45.49"	81°16'17.20"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-131.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

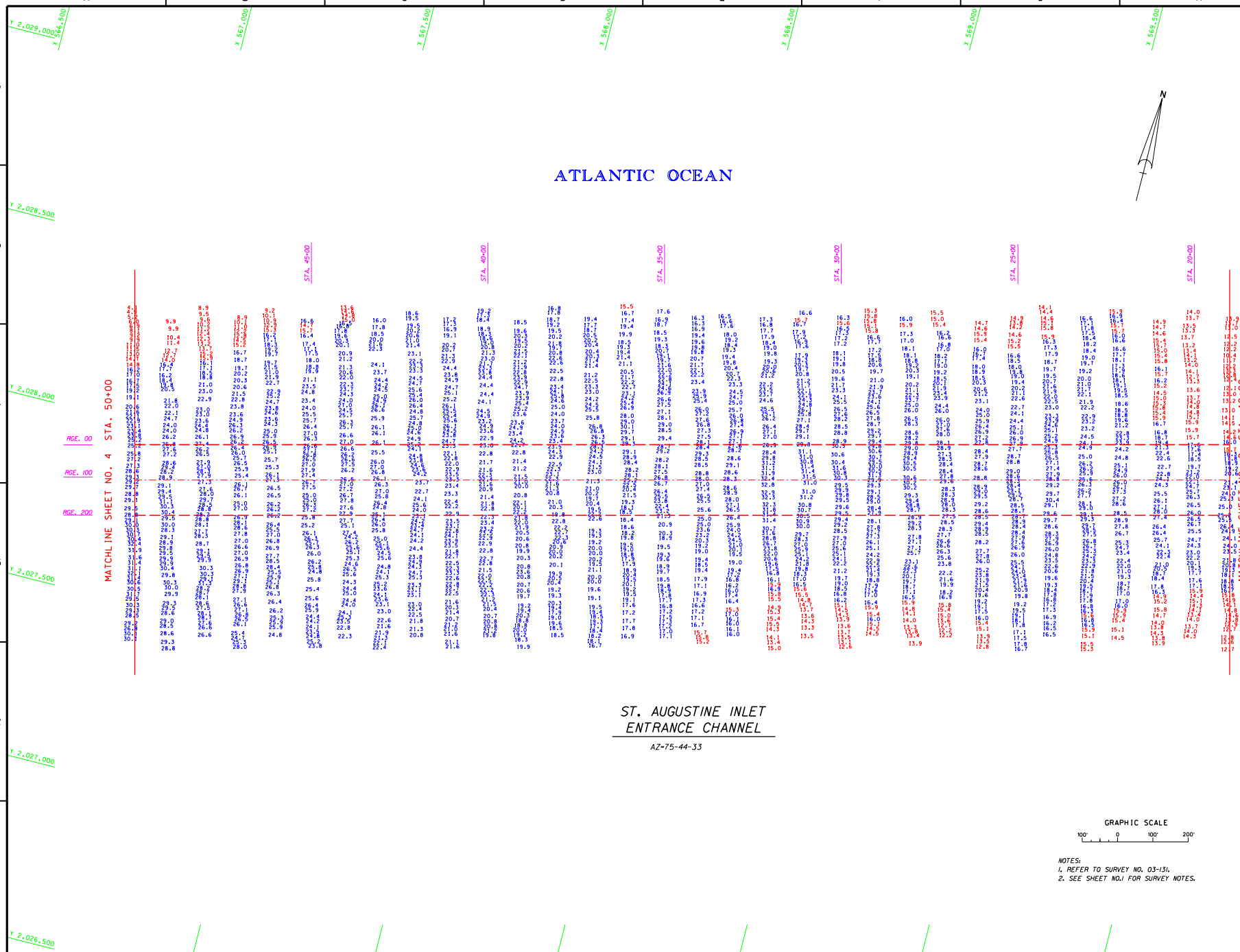
No.	Symbol	Zone	Description	Approved

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

Designed by:
Drawn by: KRM
Quan by: KRM
Rev. No.
Dataset:
Scale: AS SHOWN
Plot date:
File name:
Reference Files:
Dated: MAY 2003
D.O.F ILE NO.

ST. AUGUSTINE INLET, FLORIDA
PROJECT CONDITION SURVEY
16-FOOT PROJECT
STA. -12+00 THRU STA. 19+00 ENTRANCE CHANNEL
PLAN

DRAWING NO.
2/5
SHEET 2 OF 5



ST. AUGUSTINE INLET
ENTRANCE CHANNEL

AZ-75-44-33

NOTES:
1. REFER TO SURVEY NO. 03-131.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Designed by: | Inv. No.
Dwn by: WRM | Ckd by: WRM | Dated:
Scale: AS SHOWN
Plot date:
Plot scale:

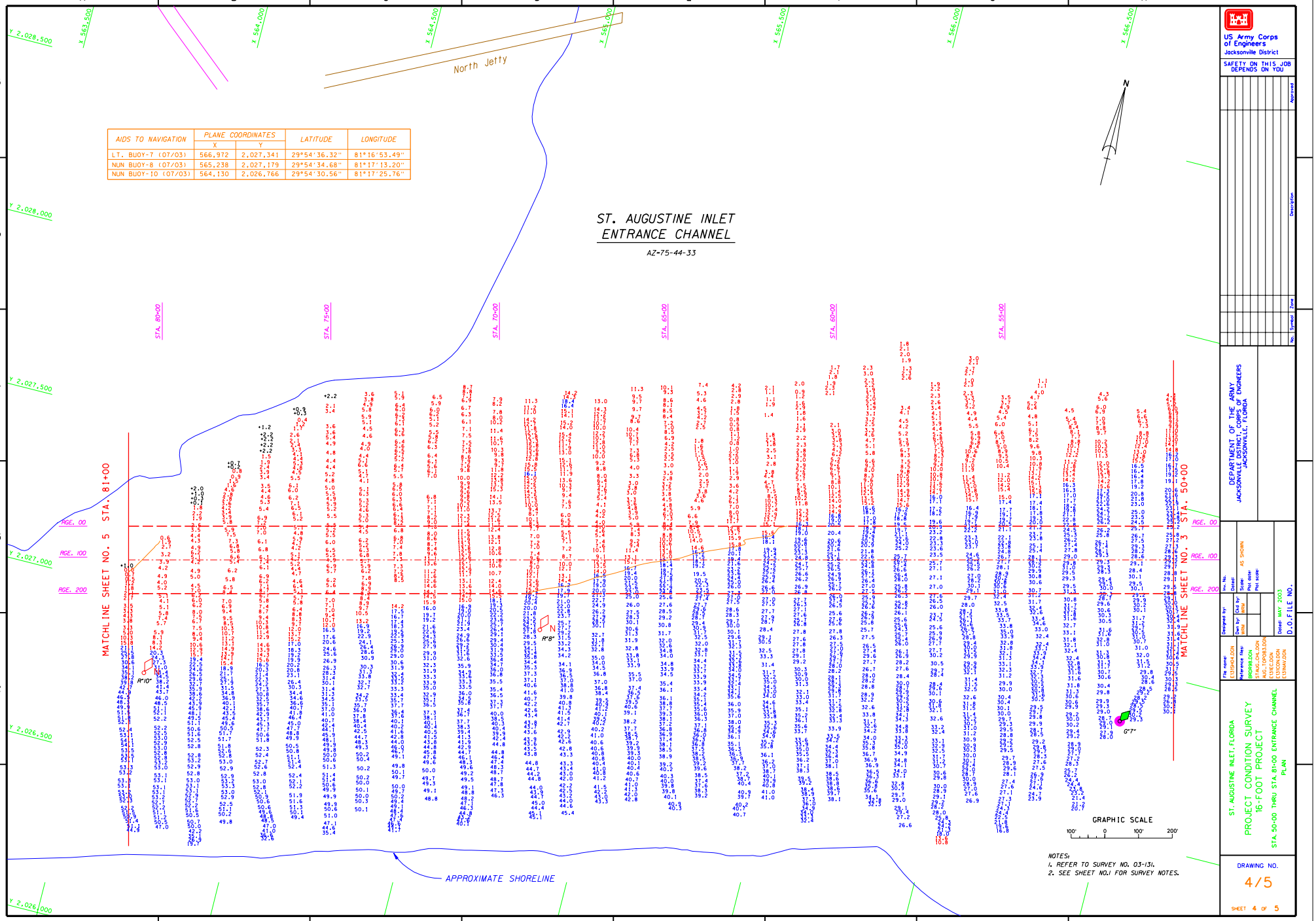
Dated: MAY 2003
D.O.FILE NO.

File name: E13SH03.DGN
Reference files: BRDRIB.DGN STAUG_CHL.DGN E13EC.DGN E13CON.DGN

ST. AUGUSTINE INLET, FLORIDA
PROJECT CONDITION SURVEY
16-FOOT PROJECT
STA. 19+00 THRU STA. 50+00 ENTRANCE CHANNEL
PLAN

DRAWING NO.
3/5

SHEET 3 OF 5



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (07/03)	566,972	2,027,341	29°54'36.32"	81°16'53.49"
NUN BUOY-8 (07/03)	565,238	2,027,179	29°54'34.68"	81°17'13.20"
NUN BUOY-10 (07/03)	564,130	2,026,766	29°54'30.56"	81°17'25.76"

NOTES:
1. REFER TO SURVEY NO. 03-131.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Rev. No.	Dated	Scale:	Plot date	Plot scale
	AS SHOWN			

Designed by | Drawn by | Check by | Approved by | Dated: MAY 2003

D.O.F FILE NO.

File name: E7SHSK04.DGN
Reference Files: BSDRE06.DGN, BSCTL06.DGN, AUG_TOPO81.DGN, E1USEC.DGN, E1STCN.DGN, E1STRA.DGN

ST. AUGUSTINE INLET, FLORIDA
PROJECT CONDITION SURVEY
16-FOOT PROJECT
STA. 50+00 THRU STA. 81+00 ENTRANCE CHANNEL
PLAN

DRAWING NO.
4/5
SHEET 4 OF 5

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-2A (07/03)	561,240	2,025,454	29°54'17.50"	81°17'58.56"
NUN BUOY-2 (07/03)	561,544	2,025,821	29°54'21.14"	81°17'55.12"
LT. BUOY-59 (07/03)	562,829	2,027,132	29°54'34.15"	81°17'40.57"
NUN BUOY-60 (07/03)	562,768	2,026,798	29°54'30.85"	81°17'41.25"
SIGN (07/03)	562,302	2,026,910	29°54'31.94"	81°17'46.55"

ST. AUGUSTINE INLET ENTRANCE CHANNEL

AZ=75-44-33

APPROXIMATE SHORELINE

STA. 112+00 ENT CHANNEL

MATCHLINE SHEET NO. 4 STA. 81+00

SANDBAR/SHORELINE

R"2A"

R"2"

R"60"

G"59"

RGE. 00

RGE. 100

RGE. 200

STA. 110+00

STA. 105+00

STA. 100+00

STA. 95+00

STA. 90+00

STA. 85+00

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-131.
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

ST. AUGUSTINE INLET, FLORIDA

PROJECT CONDITION SURVEY
16-FOOT PROJECT

STA. 81+00 THRU STA. 112+00 ENTRANCE CHANNEL
PLAN

Dated: MAY 2003

D.O.F ILE NO.

DRAWING NO.
5/5

SHEET 5 OF 5