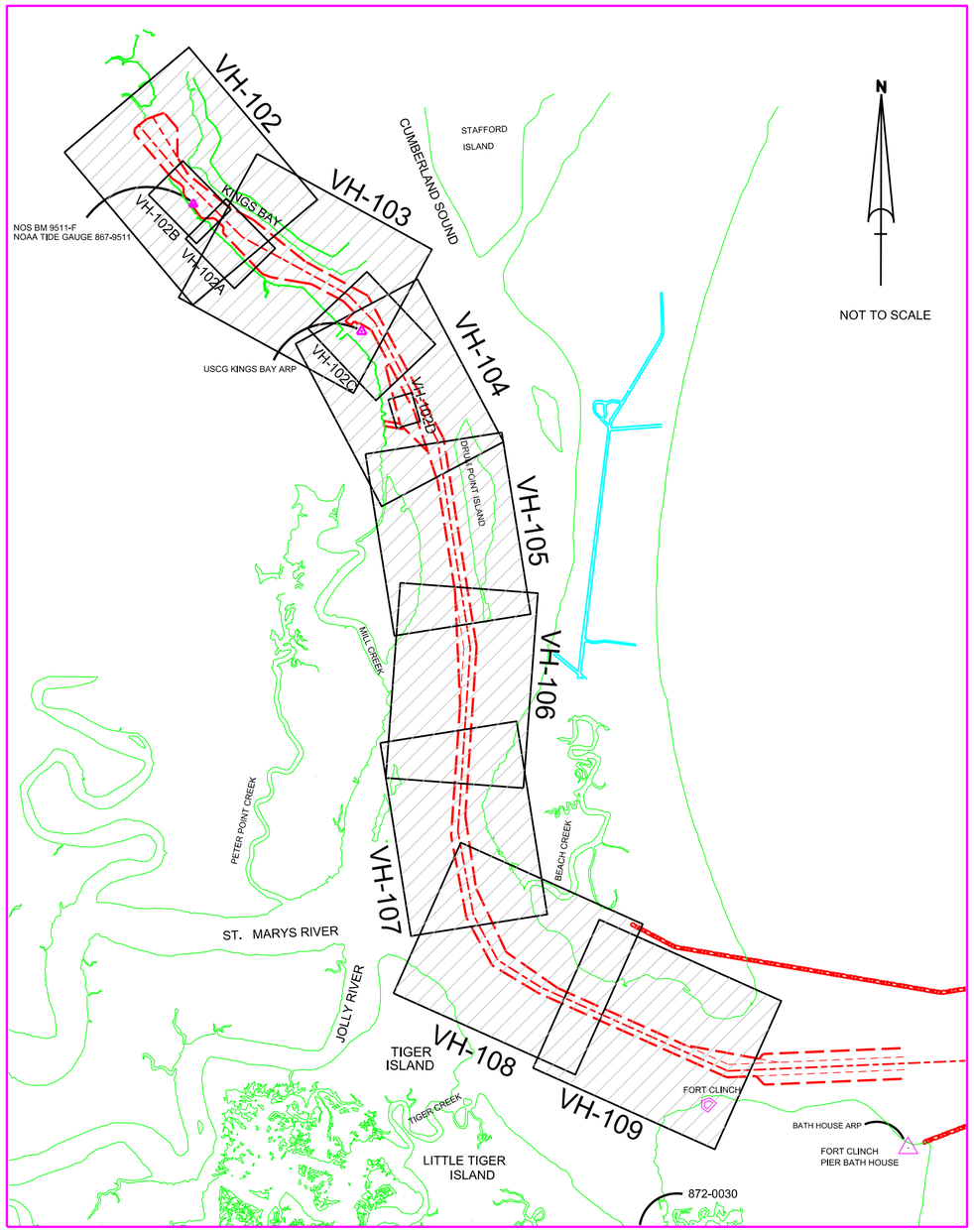
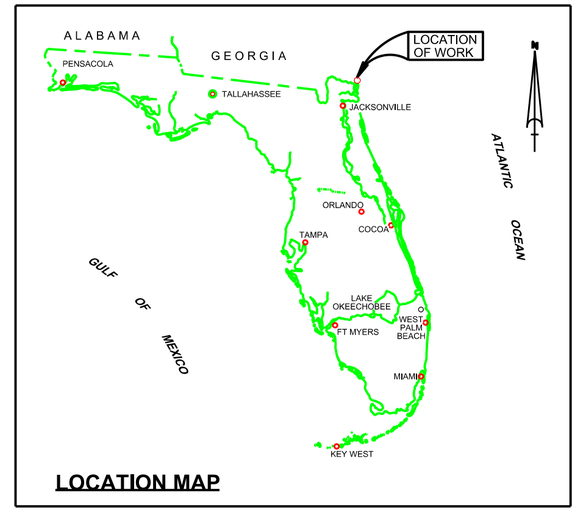
U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA
KINGS BAY INNER CHANNEL
BIMONTHLY EXAMINATION SURVEY - JULY 2015





LOCATION MAP

LEGEND	
	MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	MAJOR CONTOUR
	MINOR CONTOUR
	MAJOR DEPRESSION
	MINOR DEPRESSION

DEPTH COLOR CODE	
≤ 39.9	
40.0 - 41.9	
42.0 - 45.9	
46.0 - 48.9	
≥ 49.0	

SURVEY NOTES:

1. REFER TO SURVEY NO. 15-161. ALSO SHOWN IN THIS SURVEY ARE SOUNDINGS FROM BEFORE-DREDGE SURVEY NO. 15-092 AND AFTER-DREDGE SURVEY NO. 15-093.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) TIDAL DATUM.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS USING A HYPACK KINEMATIC TIDAL DATUM MODEL (KINGSBAY-2013 06 26.KTD).
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF GEORGIA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "BATH HOUSE ARP" (OPUS PID # BBCB08), FOR RANGE-A THRU RANGE-C.

   REFERENCE BASE LOCATED AT "USCG KINGS BAY ARP" (OPUS PID # BBDK29), FOR RANGE-D THRU RANGE-I.
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, 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 GAUGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872-0030, FERNANDINA, FL, FOR RANGE-A THRU RANGE-G (OUTSIDE WRA)

   NOAA TIDAL STATION 867-9511, KINGS BAY, GA, FOR RGE-G THRU RGE-I (INSIDE WRA)
9. VERTICAL MEASUREMENTS WERE MADE USING A RESON MODEL 7101 MULTIBEAM SYSTEM AND A ROSS MODEL 835C SMARTSOUNDER WITH A DUAL-FREQUENCY (28/200KHZ) TRANSDUCER. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY FROM RANGE-A THRU RANGE-D, SITE-6, MSF, EHW-1 AND WARPING WHARF AND LOW FREQUENCY FROM RANGE-E THRU RANGE-I.

VESSEL	DATE OF SURVEY	AREA SURVEYED
SB-36	15 JUN 2015	REFIT WHARFS
SB-36	14 JUL 2015	MSF
SB-36	29 JUL 2015	RGE-G, STA 39+100 THRU 41+900
SB-36	30 JUL 2015	SITE-6 & RANGE-F
SB-36	30-31JUL 2015	RGE-E, STA 30+748 TO 35+999
SB-36	31 JUL 2015	RGE-G, STA 37+504 TO 39+000
SB-36	1 AUG 2015	RGE-A THRU RGE-A2, STA 12+005
SB-36	2 AUG 2015	RGE-B THRU RGE-C, STA 22+547
SB-36	3 AUG 2015	EHW-1 & WARPING WHARF
SB-36	5 AUG 2015	RGE-D, STA 22+547 TO 30+748
SB-36	7 AUG 2015	RGE-I, STA 47+000 TO 48+175
SB-36	15 AUG 2015	RGE-G, STA 42+00 THRU RGE-I, STA 46+900

10. AIDS TO NAVIGATION WERE LOCATED 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. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
12. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 2013 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 31 DEC 2010.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. Symbol Zone

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

Designed by: MRM
DWN by: FMW
Cad by: GB
Rev. No.
Date: AUG 2015

INDEX_LOC.DGN
15-161-CB-BHDR.DGN
Reference files
15-161-KBIC-VH-101.DGN
KB_hydro

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT

INDEX, LOCATION AND VICINITY

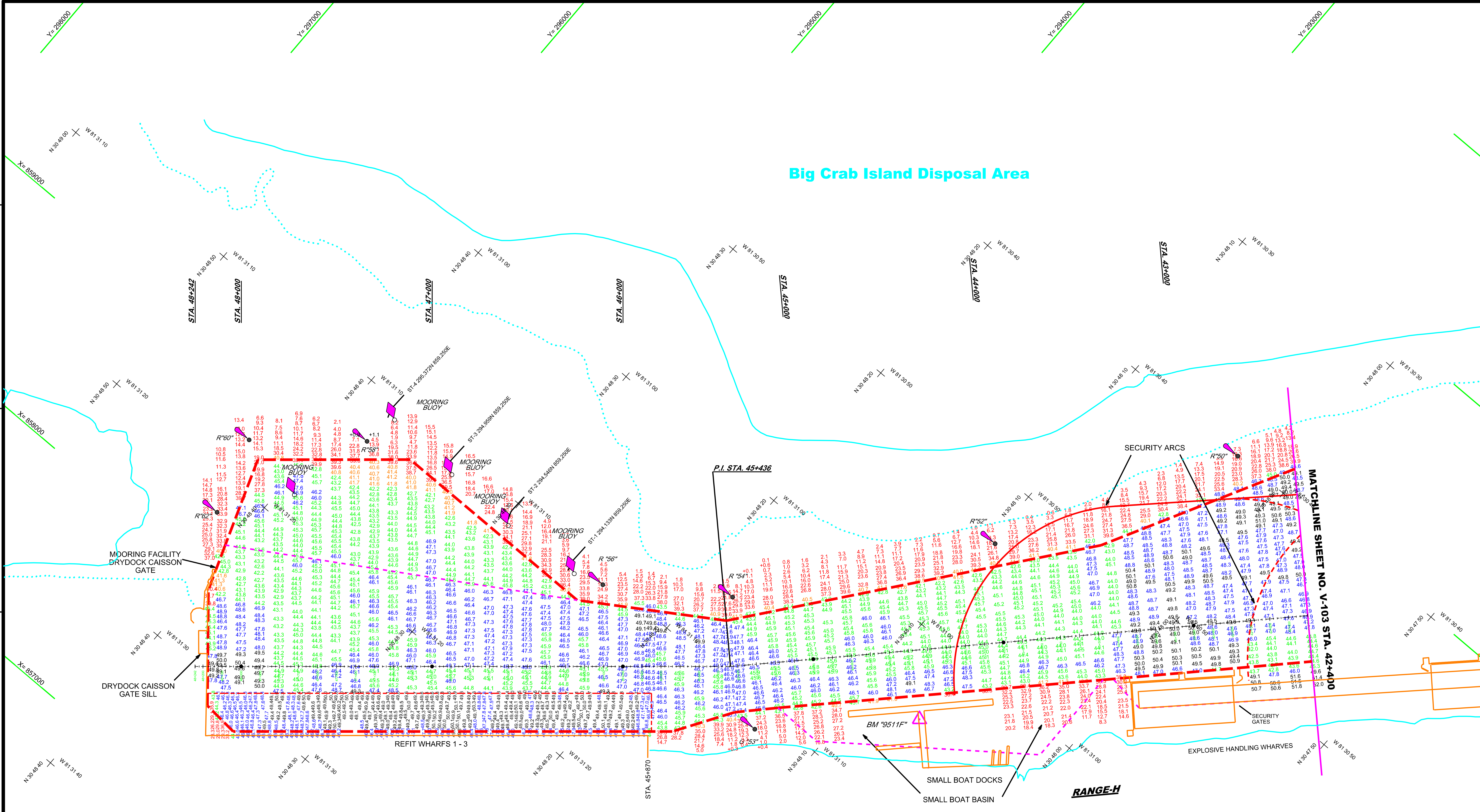
MAP

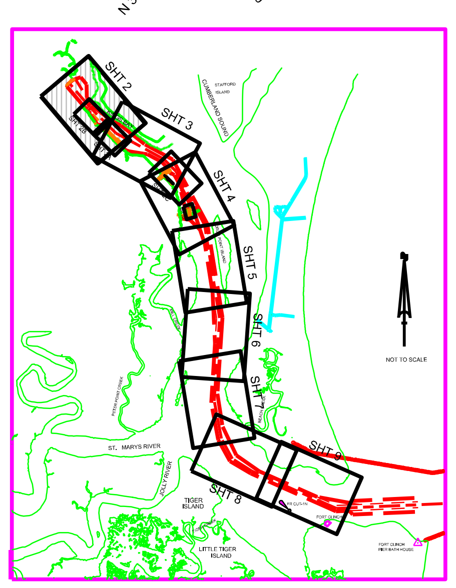
Scale: AS SHOWN

Drawing no.

V-101

SHEET 01 OF 12





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT - 50 (07/15)	861,979	291,849	30°48'03.04"	81°30'40.02"
LT - 52 (07/15)	860,807	292,521	30°48'09.76"	81°30'53.42"
LT - 53 (07/15)	859,251	292,853	30°48'13.13"	81°31'11.24"
LT - 54 (07/15)	859,704	293,390	30°48'18.42"	81°31'06.01"
LT - 56 (07/15)	859,334	293,941	30°48'23.89"	81°31'10.22"
LT - 58 (07/15)	859,087	295,378	30°48'38.14"	81°31'12.95"
LT - 60 (07/15)	858,693	295,854	30°48'42.87"	81°31'17.44"
LT - 62 (07/15)	858,295	295,738	30°48'41.74"	81°31'22.02"
MOORING BUOY (07/15)	859,260	294,102	30°48'25.49"	81°31'11.05"
MOORING BUOY (07/15)	859,228	294,529	30°48'29.71"	81°31'11.38"
MOORING BUOY (07/15)	859,241	294,927	30°48'33.65"	81°31'11.22"
MOORING BUOY (07/15)	859,265	295,341	30°48'37.75"	81°31'10.91"
MOORING BUOY (07/15)	858,627	295,487	30°48'39.24"	81°31'18.22"

DEPTH COLOR CODE	
≤ 39.9	red
40.0 - 41.9	orange
42.0 - 45.9	green
46.0 - 48.9	blue
≥ 49.0	black

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-161.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: WRM
DWN by: FMW
Ckd by: GR
Inv. No.:
Dated: AUG 2015

Reference files:
15-092-V-RGE-I LF_7-AUG-15.DGN
15-093-V-RGE-I LF_15-AUG-15.DGN
15-161-V-RGE-H LF_15-AUG-15.DGN
15-093-V-REFITWHARF-LF.DGN
15-161-V-NAVAIDS.DGN
KINGSBY83-G-LATLONG.DGN
KBIC13-C-NGCHAN.DGN
15-161-G-BS-BRDR.DGN
KBTOPO83.DGN
INDEX_LOC.DGN

File name: 15-161-KBIC-VH-102.DGN

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT

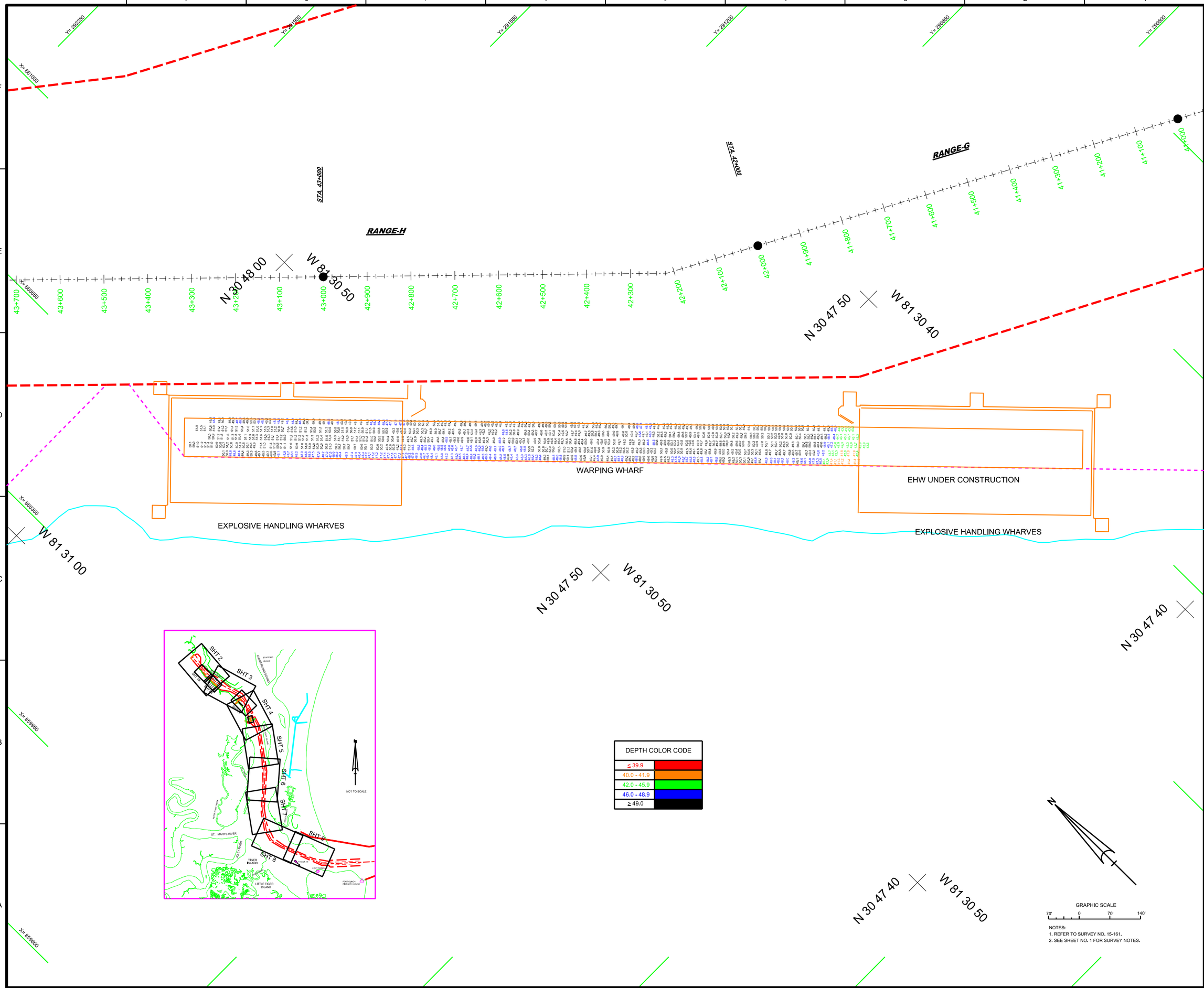
STA. 42+400 RANGE-H THRU STA. 48+242 RANGE-I

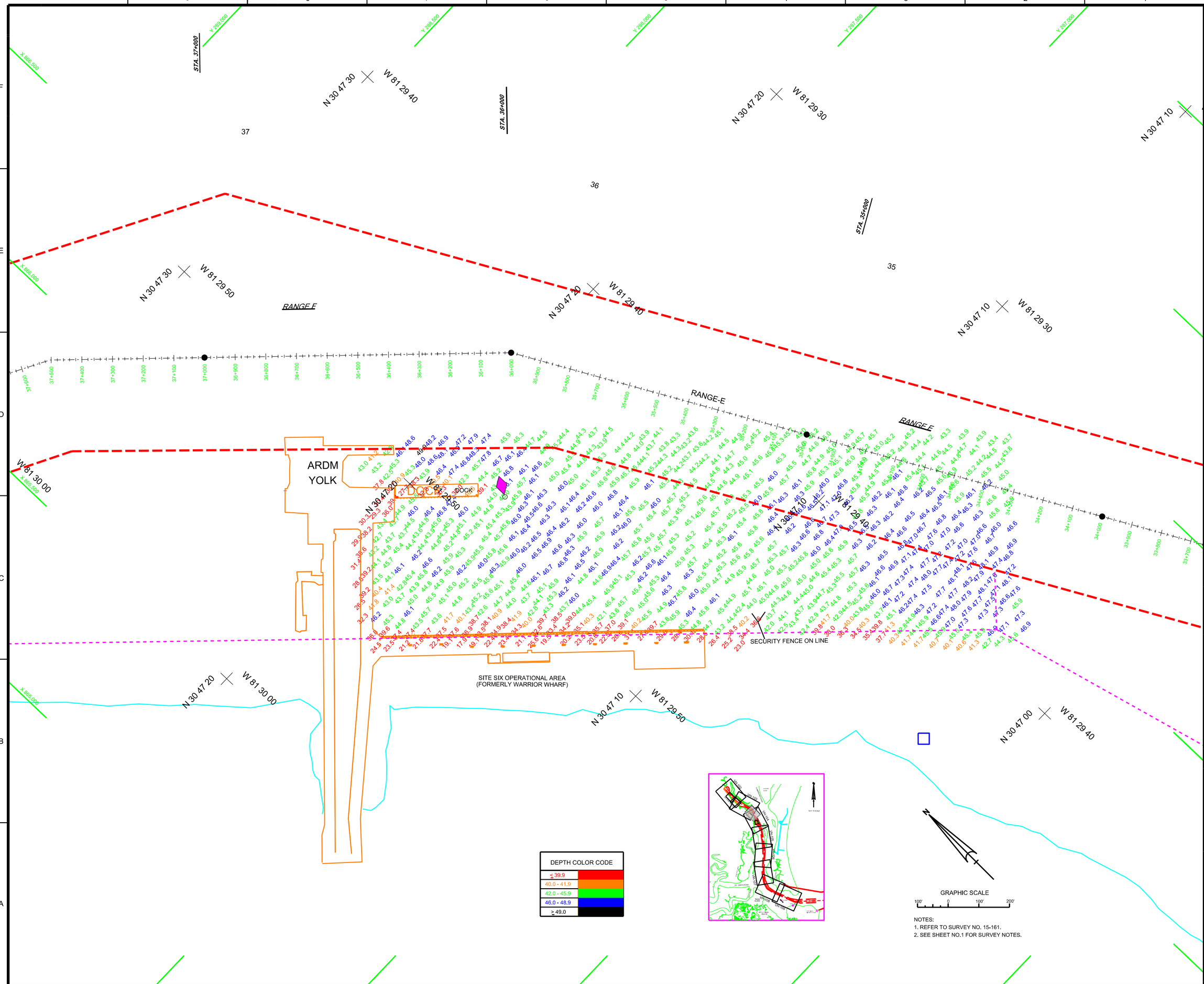
PLAN

Scale: AS SHOWN

Drawing no. V-102

SHEET 02 OF 12


RANGE-H
RANGE-G
STA. 43+000
STA. 42+000
N 30 48 00
W 81 30 50
N 30 47 50
W 81 30 40
N 30 47 50
W 81 30 50
N 30 47 40
N 30 47 40
W 81 30 50
W 81 31 00
WARPING WHARF
EHW UNDER CONSTRUCTION
EXPLOSIVE HANDLING WHARVES
EXPLOSIVE HANDLING WHARVES
SHT 2
SHT 3
SHT 4
SHT 5
SHT 6
SHT 7
SHT 8
SHT 9
ST. MARYS RIVER
TIGER ISLAND
LITTLE TIGER ISLAND
NOT TO SCALE
DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0
GRAPHIC SCALE
70' 0 70' 140'
NOTES:
1. REFER TO SURVEY NO. 15-161.
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
U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA
BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT
EXPLOSIVE HANDLING WHARVES
PLAN
Scale: AS SHOWN
Drawing no.
V-102A
SHEET 03 OF 12



NOTES:
1. REFER TO SURVEY NO. 15-161.
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

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

Cad by: GR
Checked by: WRM
DWN by: FMW
Rev. No.
Dated: AUG 2015

15-161-V-ARDM-SITE-6-LF.DGN
15-161-V-ARDM-SITE-6-LF.DGN
15-161-V-A-SITE-4-LF.DGN
INDEX_LOC.DGN
KWCS97(US)-LA.DGN
KWCS97(US)-LA-TI.ONG.DGN
KGBC13-C-ANSCHAN.DGN
15-161-C-BB-BRGR.DGN
Reference files
15-161-V-KB(C-V)-102C.DGN
File name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT

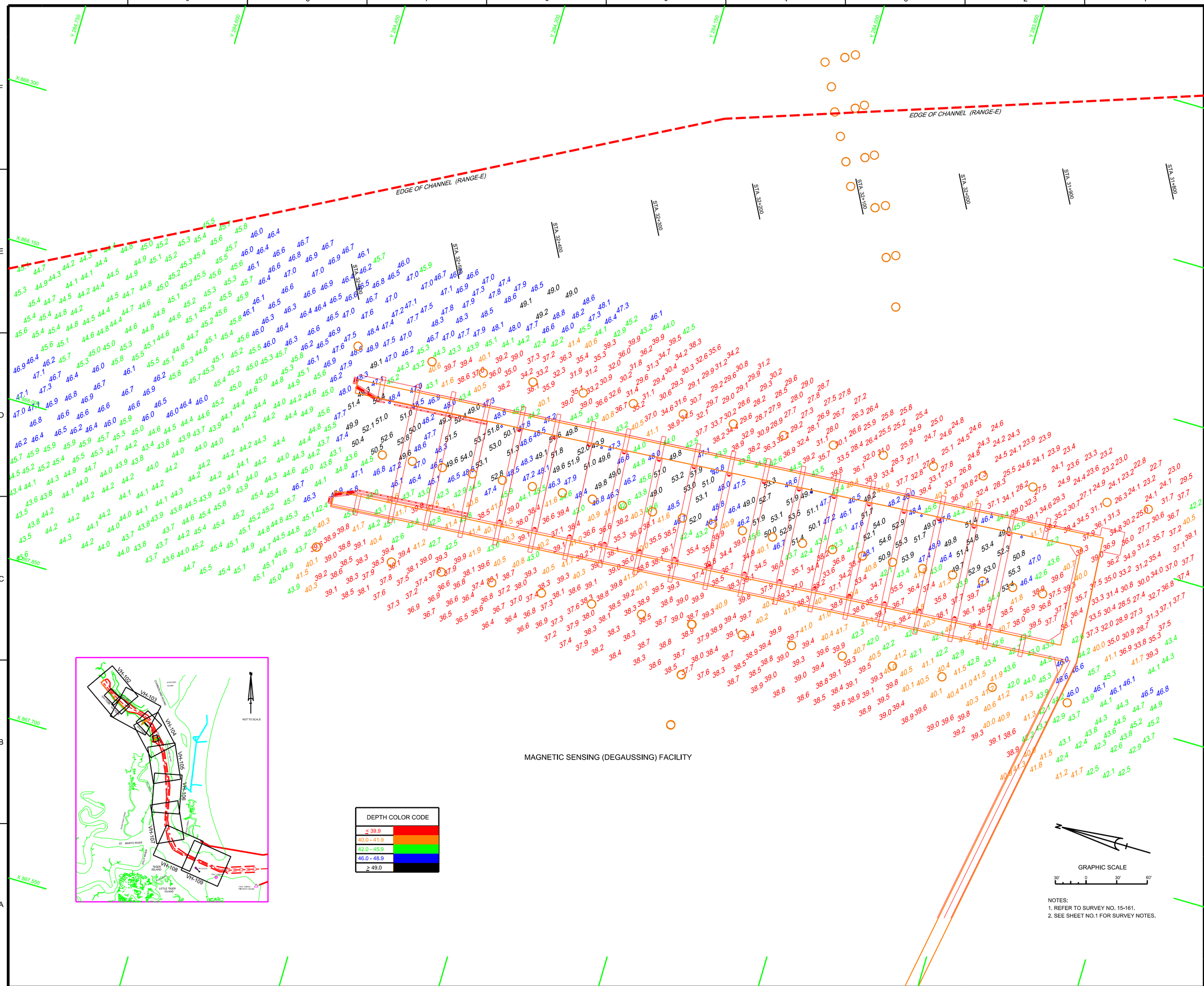
SITE 6 & ARDM YOLK
PLAN

Scale: AS SHOWN

Drawing no.

V-102C

SHEET 4 OF 12



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: KRM
Drawn by: FMW
Checked by: GSI
Rev. No.
Date: AUG 2015

15-155-KA/BSF-LF.DGN
15-161-KA/BSF-LF.DGN
KBTCPO3L.DGN
KBIC13-CA-GGCHAN.DGN
15-161-CA-BSBRDR.DGN
Reference files:
15-161-KBIC-VH-102D.DGN
File name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT

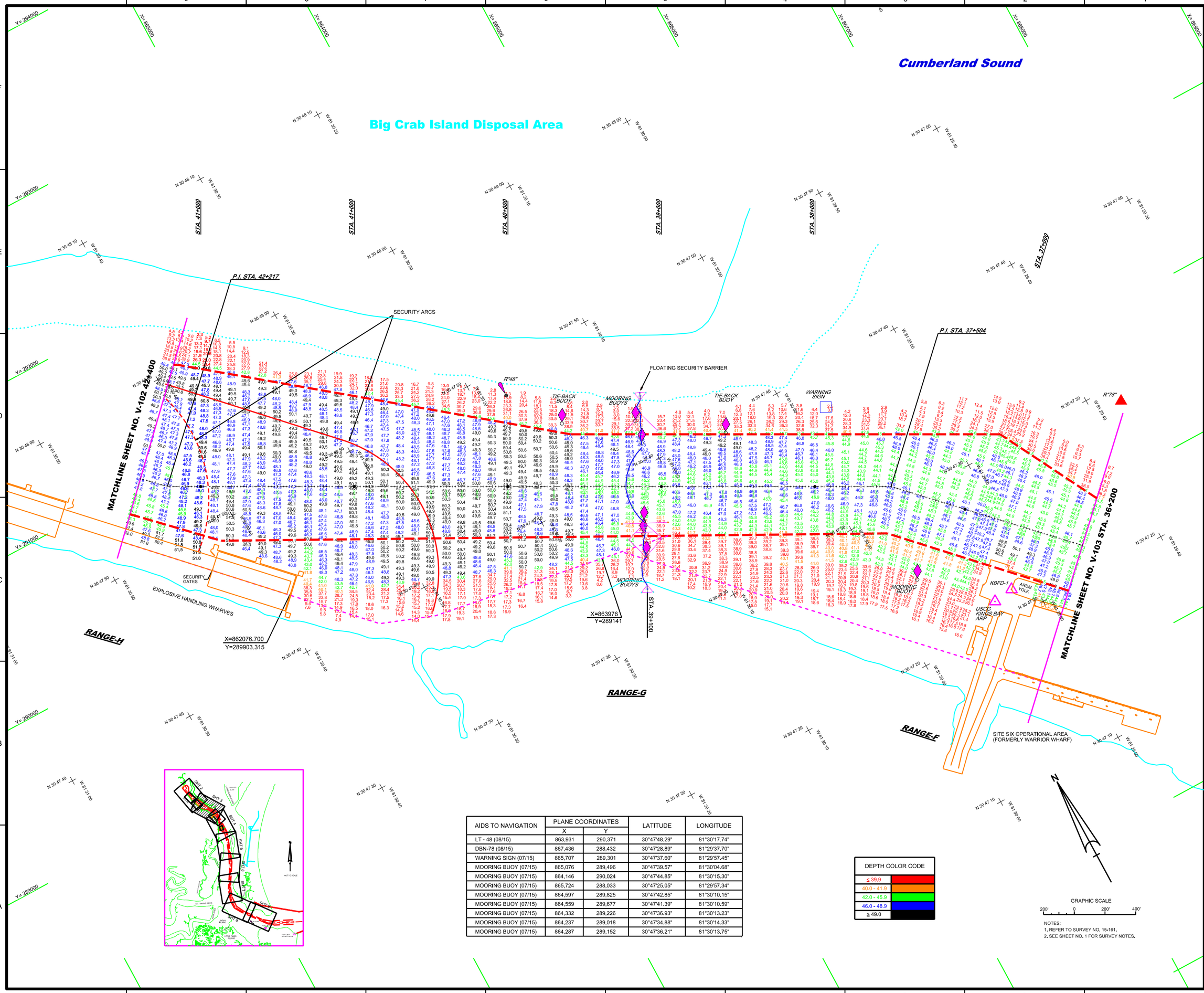
MSF OPERATION BASIN PLAN

Scale: AS SHOWN

Drawing no.

VH-102D

SHEET 5 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT - 48 (08/15)	863,931	290,371	30°47'48.29"	81°30'17.74"
DBN-78 (08/15)	867,436	288,432	30°47'28.89"	81°29'37.70"
WARNING SIGN (07/15)	865,707	289,301	30°47'37.60"	81°29'57.45"
MOORING BUOY (07/15)	865,076	289,496	30°47'39.57"	81°30'04.68"
MOORING BUOY (07/15)	864,146	290,024	30°47'44.85"	81°30'15.30"
MOORING BUOY (07/15)	865,724	288,033	30°47'25.05"	81°29'57.34"
MOORING BUOY (07/15)	864,597	289,825	30°47'42.85"	81°30'10.15"
MOORING BUOY (07/15)	864,559	289,677	30°47'41.39"	81°30'10.59"
MOORING BUOY (07/15)	864,332	289,226	30°47'36.93"	81°30'13.23"
MOORING BUOY (07/15)	864,237	289,018	30°47'34.88"	81°30'14.33"
MOORING BUOY (07/15)	864,287	289,152	30°47'36.21"	81°30'13.75"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

GRAPHIC SCALE
200' 0 200' 400'

NOTES:
1. REFER TO SURVEY NO. 15-161.
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: GB
Designed by: WRM
DWN by: FMW
Rev. No.
Date: AUG 2015

15-161-0-GRE-G-F.DGN
15-161-0-ARGE-G-F.DGN
15-161-0-ARGE-G-F_LEG.DGN
15-0093-0-ARGE-G-F_29-JUL-15.DGN
15-161-0-ARGE-G-F_15-AUG-15.DGN
15-161-0-ARGE-G-F_15-AUG-15.DGN
VIN(93)(93)-G-LATLON(1).DGN
KBIC13-C-NGCHANL.DGN
15-161-0-NAVIAID.DGN
15-161-0-BR-BROK.DGN
KBTOPO83.DGN
Reference files
INDEX_LOC.DGN
15-161-0(BC)-VH-103.DGN
File name:

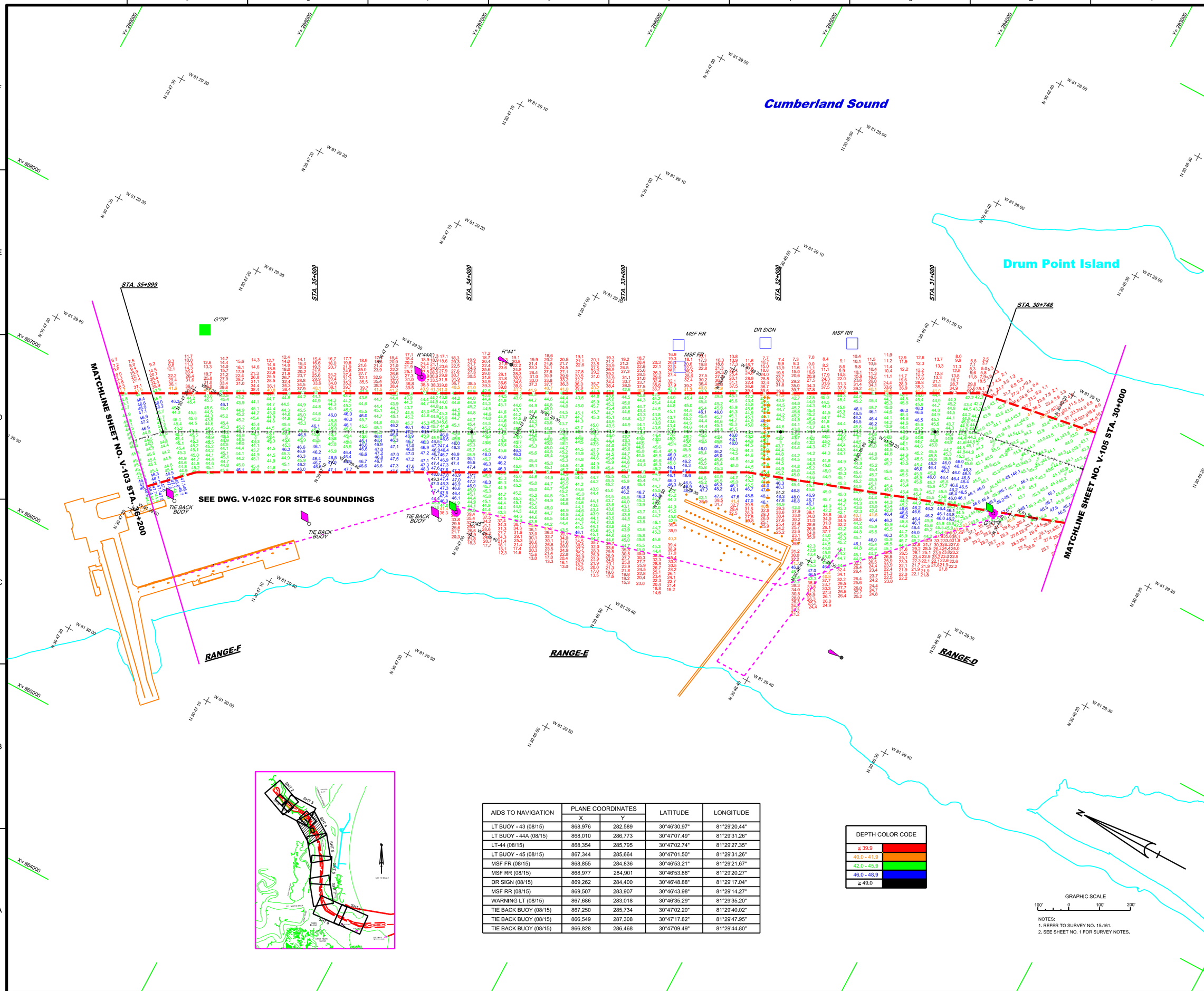
U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT
STA. 36+200 RANGE-F THRU STA. 42+400 RANGE-H
PLAN

Scale: AS SHOWN

Drawing no.
V-103

SHEET 06 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 43 (08/15)	868,976	282,589	30°46'30.97"	81°29'20.44"
LT BUOY - 44A (08/15)	868,010	286,773	30°47'07.49"	81°29'31.26"
LT-44 (08/15)	868,354	285,795	30°47'02.74"	81°29'27.35"
LT BUOY - 45 (08/15)	867,344	285,664	30°47'01.50"	81°29'31.26"
MSF FR (08/15)	868,855	284,836	30°46'53.21"	81°29'21.67"
MSF RR (08/15)	868,977	284,901	30°46'53.86"	81°29'20.27"
DR SIGN (08/15)	869,262	284,400	30°46'48.88"	81°29'17.04"
MSF RR (08/15)	869,507	283,907	30°46'43.98"	81°29'14.27"
WARNING LT (08/15)	867,686	283,018	30°46'35.29"	81°29'35.20"
TIE BACK BUOY (08/15)	867,250	285,734	30°47'02.20"	81°29'40.02"
TIE BACK BUOY (08/15)	866,549	287,308	30°47'17.82"	81°29'47.95"
TIE BACK BUOY (08/15)	866,828	286,468	30°47'09.49"	81°29'44.80"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-161.
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

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

Drafted by: WRM
Cad by: GR
DWN by: FMW
Rev. No.
Date: AUG 2015

INDEX_LOC.DGN
15-161-V-RGE-F-HF.DGN
15-161-V-RGE-E-HF.DGN
15-161-V-RGE-F-HF.DGN
15-161-V-NAVARDS.DGN
KINGSBY82-CL-ALT.DGN
KINGSBY82-CL-ALT.LONG.DGN
KBC13-C-NGCHAN.DGN
15-161-C-BB-BPOR.DGN
Reference files:
15-161-H3B(C-V1-104.DGN
File: samec

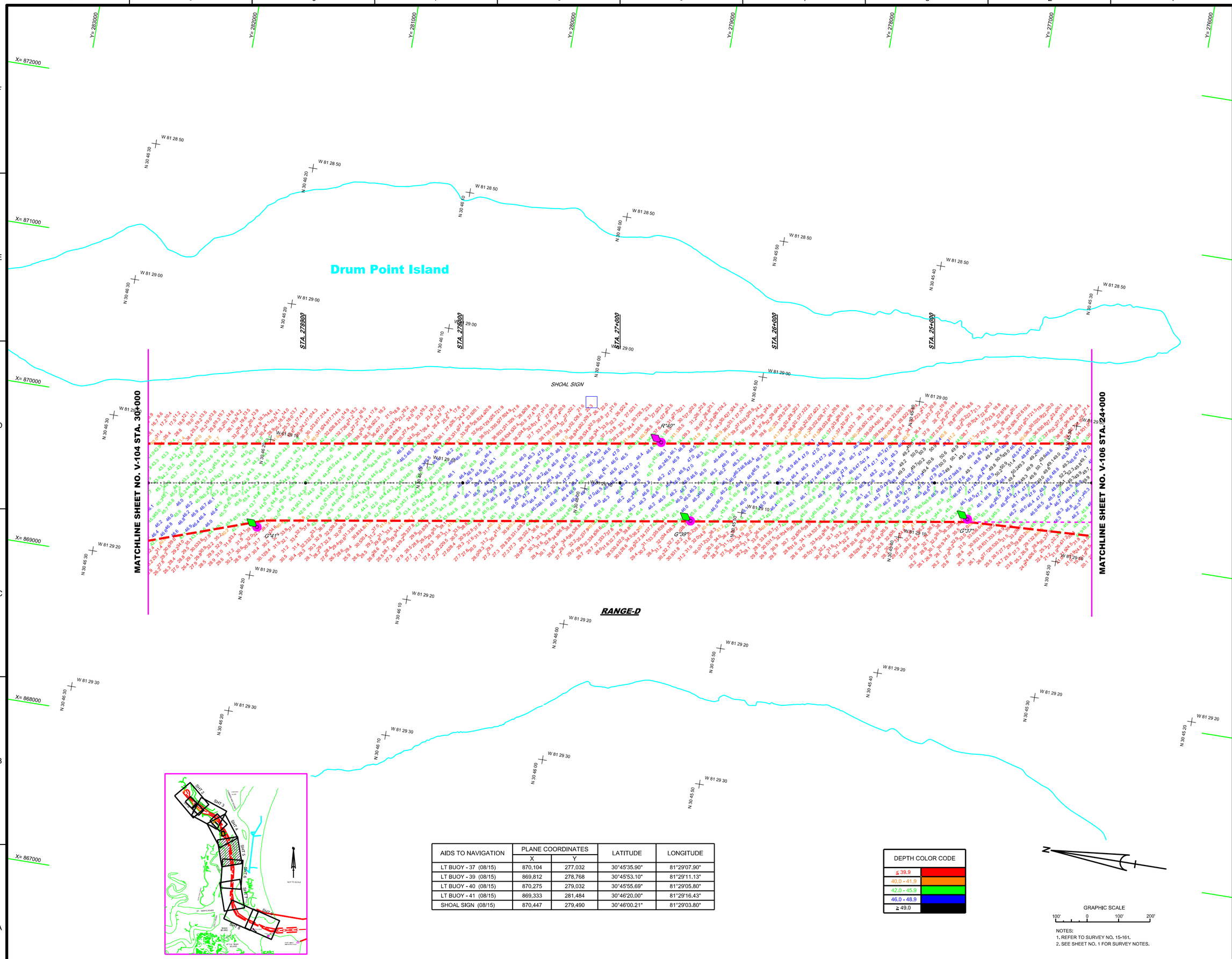
U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT
STA. 30+000 RANGE-D THRU STA. 36+200 RANGE-F
PLAN

Scale: AS SHOWN

Drawing no.
V-104

SHEET 07 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 37 (08/15)	870,104	277,032	30°45'35.90"	81°29'07.90"
LT BUOY - 39 (08/15)	869,812	278,768	30°45'53.10"	81°29'11.13"
LT BUOY - 40 (08/15)	870,275	279,032	30°45'55.69"	81°29'05.80"
LT BUOY - 41 (08/15)	869,333	281,484	30°46'20.00"	81°29'16.43"
SHOAL SIGN (08/15)	870,447	279,490	30°46'00.21"	81°29'03.80"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-161.
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

Designed by: WRM
DWN by: FMW
Ckd by: GR
Rev. No.
Date: AUG 2015

15-161-V-BRGE-CMF.DGN
15-161-V-NAVAIDS.DGN
INDEX_LOC.DGN
KRGBY15-CAT-V.DGN
KRGBY15-CAT-LONG.DGN
KBIC15-C-CASCHAN.DGN
15-161-C-BR-BROK.DGN
Reference files
15-161-V-BIC-VH-105.DGN
File name:

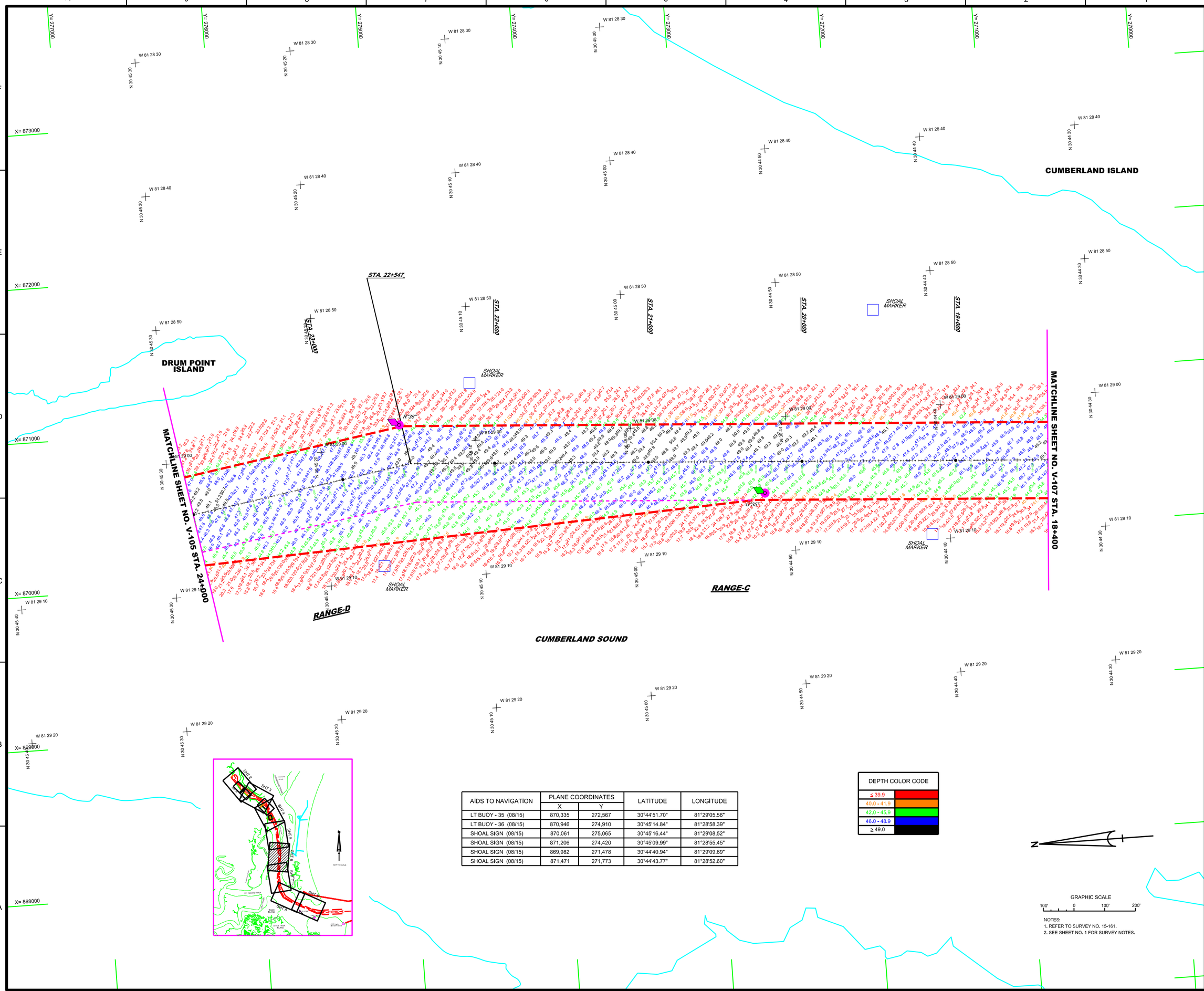
U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT
STA. 24+000 THRU STA. 30+000 RANGE-D
MAP

Scale: AS SHOWN

Drawing no.
V-105

SHEET 08 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 35 (08/15)	870,335	272,567	30°44'51.70"	81°29'05.56"
LT BUOY - 36 (08/15)	870,946	274,910	30°45'14.84"	81°28'58.39"
SHOAL SIGN (08/15)	870,061	275,065	30°45'16.44"	81°29'08.52"
SHOAL SIGN (08/15)	871,206	274,420	30°45'09.99"	81°28'55.45"
SHOAL SIGN (08/15)	869,982	271,478	30°44'40.94"	81°29'09.69"
SHOAL SIGN (08/15)	871,471	271,773	30°44'43.77"	81°28'52.60"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 15-161.
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

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

Cad by: GR
Design by: WRM
DWN by: FMW
Rev. No.
Date: AUG 2015

15-161-KBIC-VH-106.DGN
15-161-KBIC-CHF.DGN
15-161-CNA-AIDS.DGN
INDEX_LOC.DGN
KBIC-15-CONTROL.DGN
KINGSBY82-CA-LATLONG.DGN
KBIC13-C-NGCHIAN.DGN
15-161-CA-BS-BRDR.DGN
Reference files

File: hydroc

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT

STA. 18+400 RANGE-C THRU STA. 24+000 RANGE-D

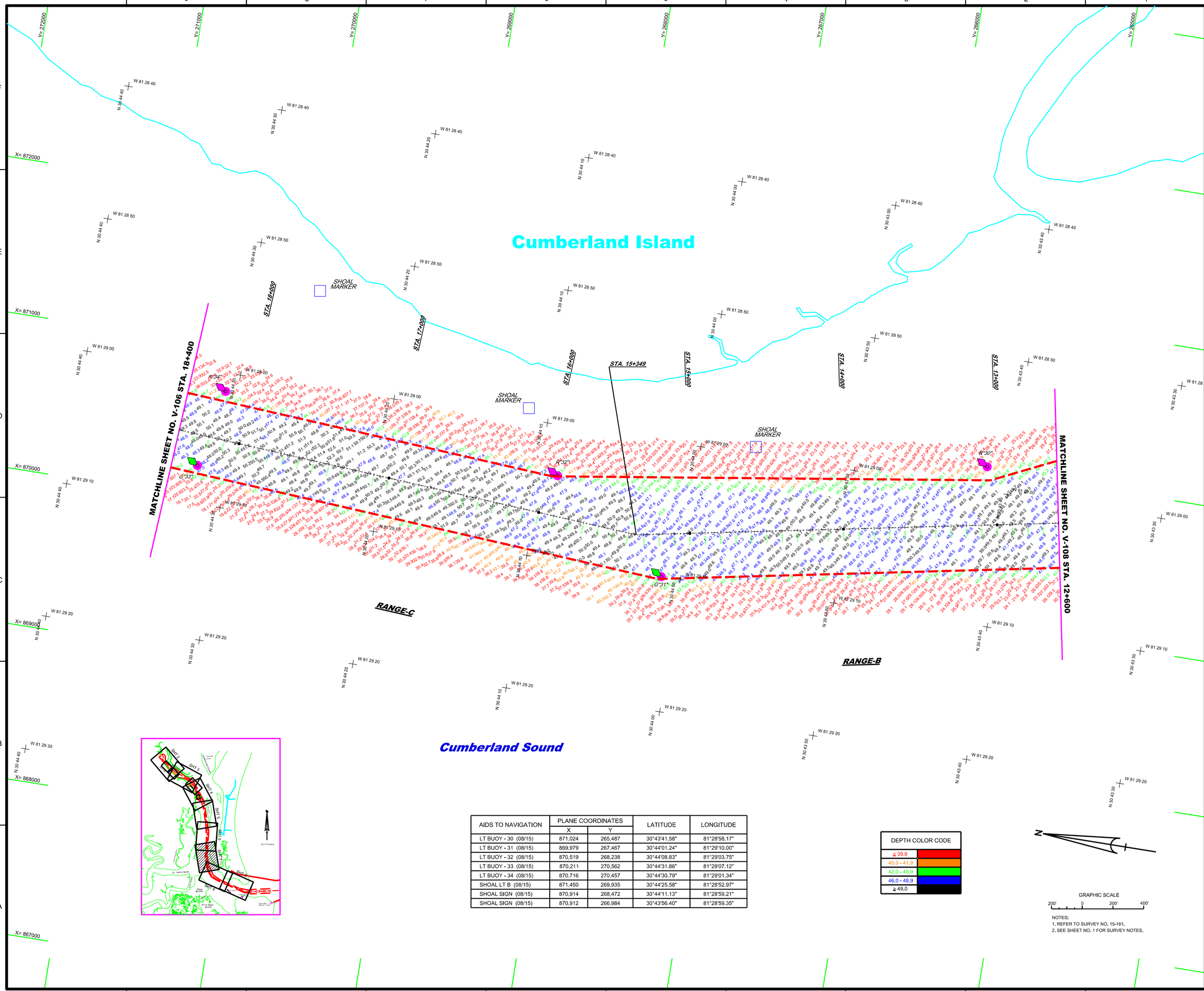
MAP

Scale: AS SHOWN

Drawing no.

V-106

SHEET 09 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 30 (08/15)	871,024	265,487	30°43'41.58"	81°28'58.17"
LT BUOY - 31 (08/15)	869,979	267,467	30°44'01.24"	81°29'10.00"
LT BUOY - 32 (08/15)	870,519	268,238	30°44'08.83"	81°29'03.75"
LT BUOY - 33 (08/15)	870,211	270,562	30°44'31.86"	81°29'07.12"
LT BUOY - 34 (08/15)	870,716	270,457	30°44'30.79"	81°29'01.34"
SHOAL LT B (08/15)	871,450	269,935	30°44'25.58"	81°28'52.97"
SHOAL SIGN (08/15)	870,914	268,472	30°44'11.13"	81°28'59.21"
SHOAL SIGN (08/15)	870,912	266,984	30°43'56.40"	81°28'59.35"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

GRAPHIC SCALE

200' 0 200' 400'

NOTES:
1. REFER TO SURVEY NO. 15-161.
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

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

Checked by: KBM
Drawn by: GR
Date: AUG 2015
Rev. No.

15-161-KBIC-JAX-HF.DGN
15-161-KBIC-JAX-GR.DGN
15-161-NAVAIDS.DGN
KBTOP083.DGN
KBIC-15-C-ALTLONG.DGN
INDEX_LOC.DGN
KBIC-15-C-AGCHAN.DGN
15-161-C-BSBRDR.DGN
Reference files:
DB: none

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT

STA. 12+600 RANGE-A THRU STA. 18+400 RANGE-C

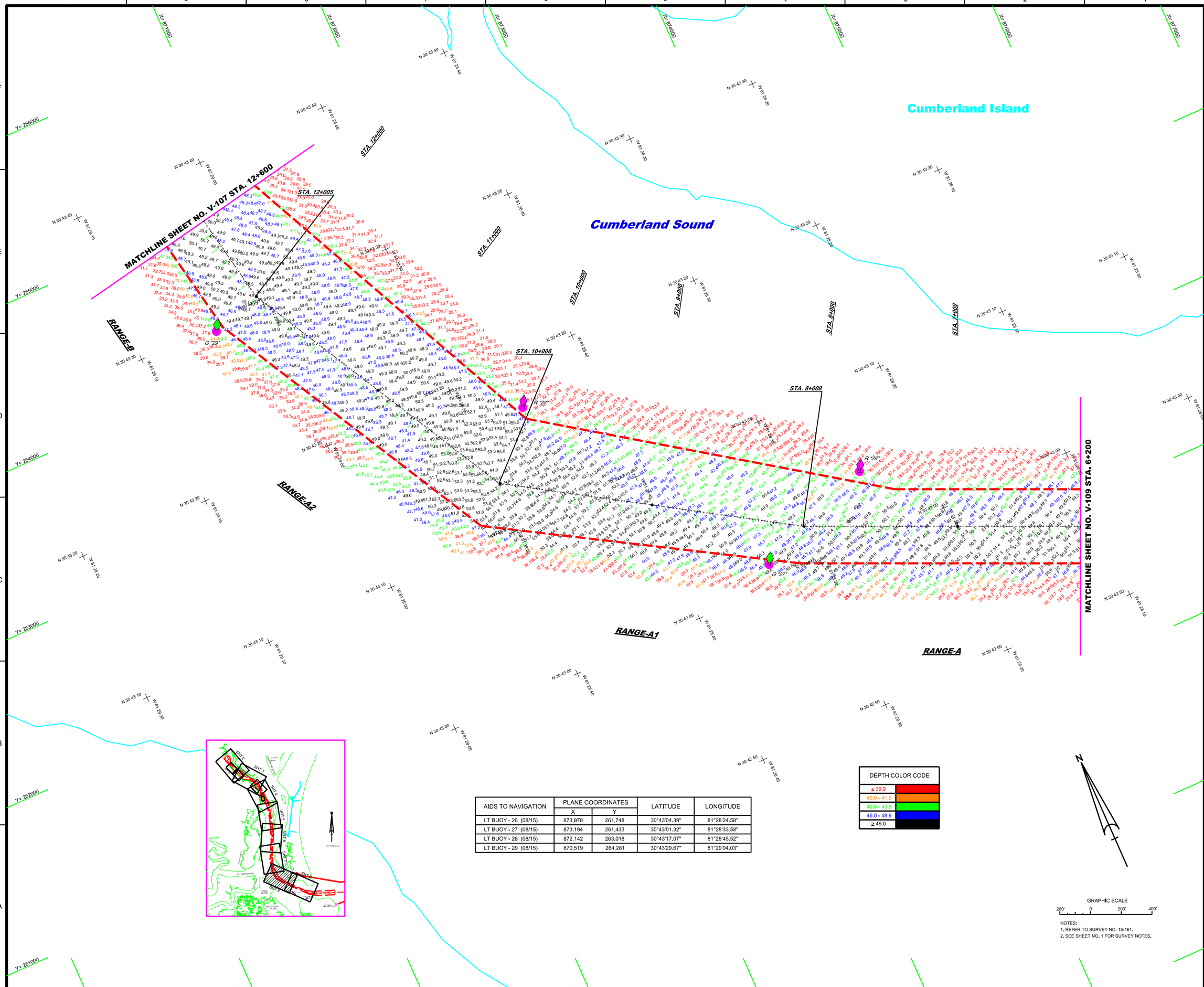
MAP

Scale: AS SHOWN

Drawing no.

V-107

SHEET 10 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 26 (08/15)	873,978	261,748	30°43'04.39"	81°28'24.58"
LT BUOY - 27 (08/15)	873,194	261,433	30°43'01.32"	81°28'33.58"
LT BUOY - 28 (08/15)	872,142	263,018	30°43'17.07"	81°28'45.52"
LT BUOY - 29 (08/15)	870,519	264,281	30°43'29.67"	81°29'04.03"

DEPTH COLOR CODE	
≤ 39.9	
40.0 - 41.9	
42.0 - 45.9	
46.0 - 48.9	
≥ 49.0	

GRAPHIC SCALE

200' 0 200' 400'

NOTES:
1. REFER TO SURVEY NO. 15-161.
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

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

Cad by: GIS
Designed by: HRM
Dwn by: FWW
Rev. No.
Date: AUG 2015

INDEX_LOG.DGN
REPORGRID.DGN
15-161-V-RGE-A-HF.DGN
15-161-V-RGE-A-HF.DGN
15-161-V-RGE-A2HF.DGN
15-161-V-RGE-B-HF.DGN
15-161-V-MB-V107.DGN
KNYSRY13-A-ALTL.DGN
KBIC13-C-NGCHAN.DGN
15-161-C-BSBRDR.DGN
Reference files:
15-161-KBIC-V-H-108.DGN
Model name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT

STA. 6+200 RANGE-A THRU STA. 12+600 RANGE-B

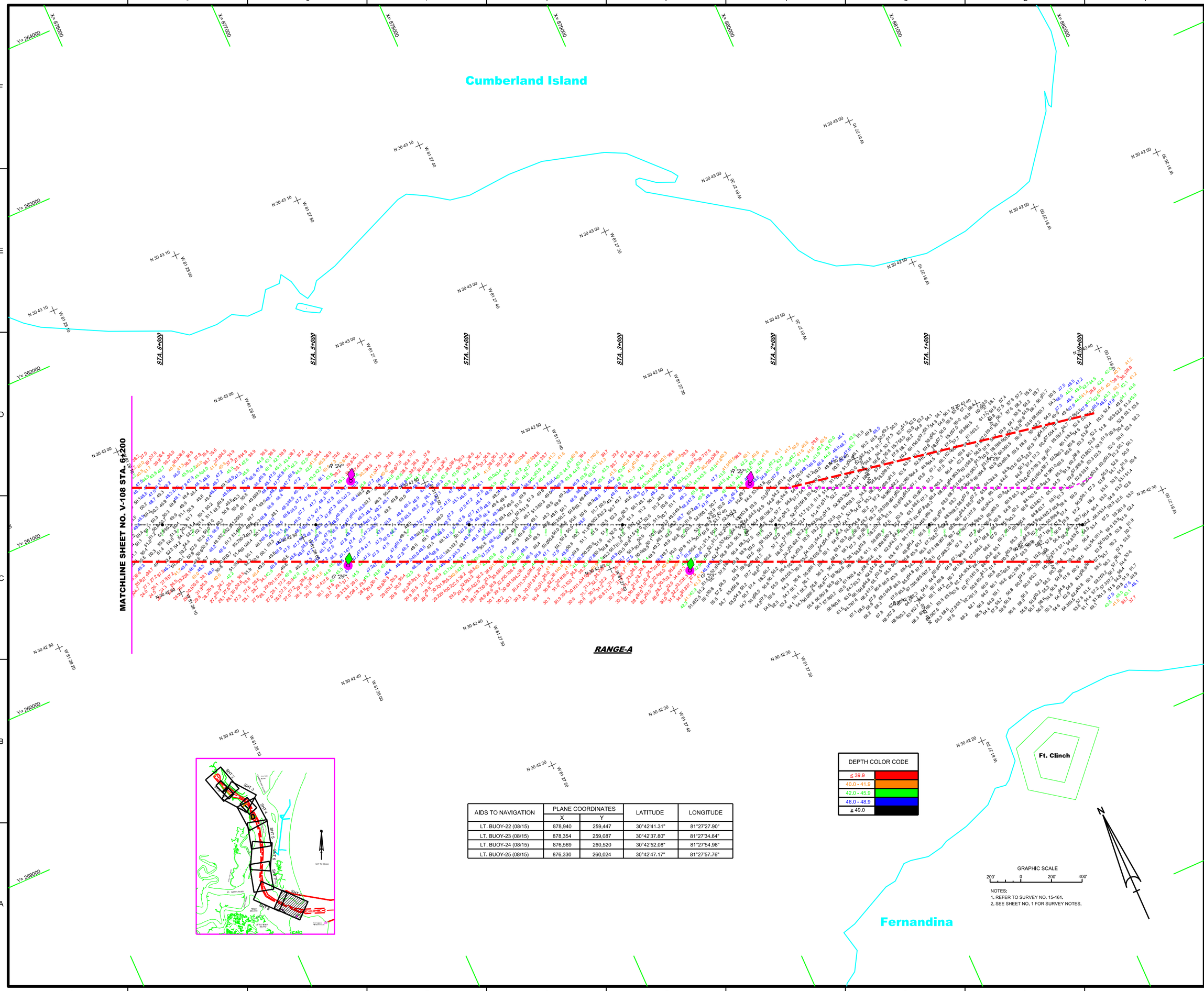
PLAN

Scale: AS SHOWN

Drawing no.

V-108

SHEET 11 OF 12



DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-22 (08/15)	878,940	259,447	30°42'41.31"	81°27'27.90"
LT. BUOY-23 (08/15)	878,354	259,087	30°42'37.80"	81°27'34.64"
LT. BUOY-24 (08/15)	876,569	260,520	30°42'52.08"	81°27'54.98"
LT. BUOY-25 (08/15)	876,330	260,024	30°42'47.17"	81°27'57.76"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: KRM
Drawn by: FMW
Date: AUG 2015
Layer: GB

15-161-VARGE-A-HF.DGN
15-161-KNAVAIDS.DGN
INDEX_LOC.DGN
KINGS-BAY-BASE.DGN
KINGSBYBASE-ATLONG.DGN
XBIC13-CANSOVIAN.DGN
15-161-GB-BRDR.DGN
Reference files
File: V-109.DGN

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - JUL 2015
44, 45 & 46-FOOT PROJECT

STA. 0+000 THRU STA. 6+200 RANGE-A

PLAN

Scale: AS SHOWN

Drawing no.

V-109

SHEET 12 OF 12