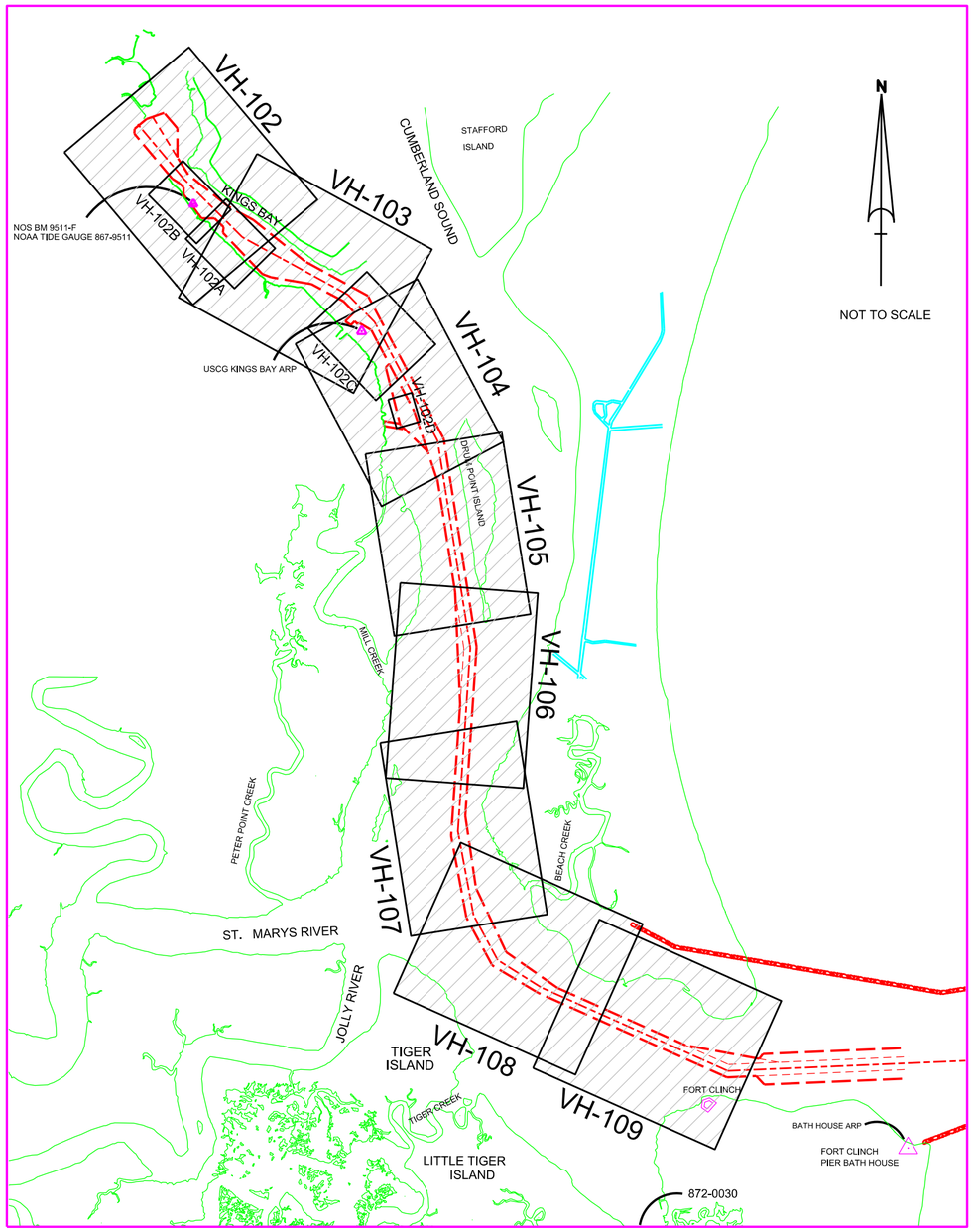
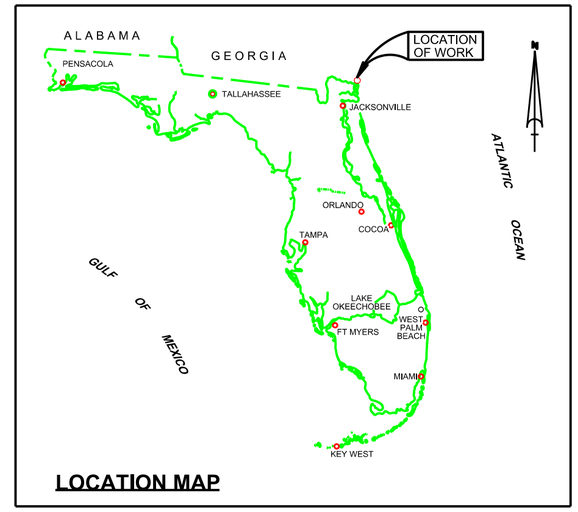
U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA
KINGS BAY INNER CHANNEL
BIMONTHLY EXAMINATION SURVEY - DEC 2016





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. 17-047.
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 T20P MULTIBEAM SYSTEM AND A ROSS MODEL 835C SMARTSOUNDER WITH A DUAL-FREQUENCY (28/200KHZ) TRANSDUCER. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	AREA SURVEYED
SB-36	1 DEC 2016	RGE-B, RGE-C & RGE-D
SB-36	2 DEC 2016	RGE-A, RGE-A1 & RGE-A2
SB-36	3 DEC 2016	RGE-G, STA 39+200-42+217, WARPING WHARF, RGE-I & REFIT WHARF
SB-36	4 DEC 2016	SITE-6, MSF, RANGE-E & RANGE-D
SB-36	5 DEC 2016	RGE-F, RGE-G, STA 37+504-39+100 & CRAB ISLAND APPROACH
SB-36	13 DEC 2016	RGE-H, DRY DOCK SILL, EHW-1 & 2

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 | Description

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

Cad by: GR
Designed by: MRM
DWN by: FMW
Rev. No.
Date: DEC 2016

INDEX_LOC.DGN
17-047-C-BS-BRDR.DGN
T-047-KBIC-VH-101.DGN
Reference files
DB: nutmc

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
44, 45 & 46-FOOT PROJECT

INDEX, LOCATION AND VICINITY

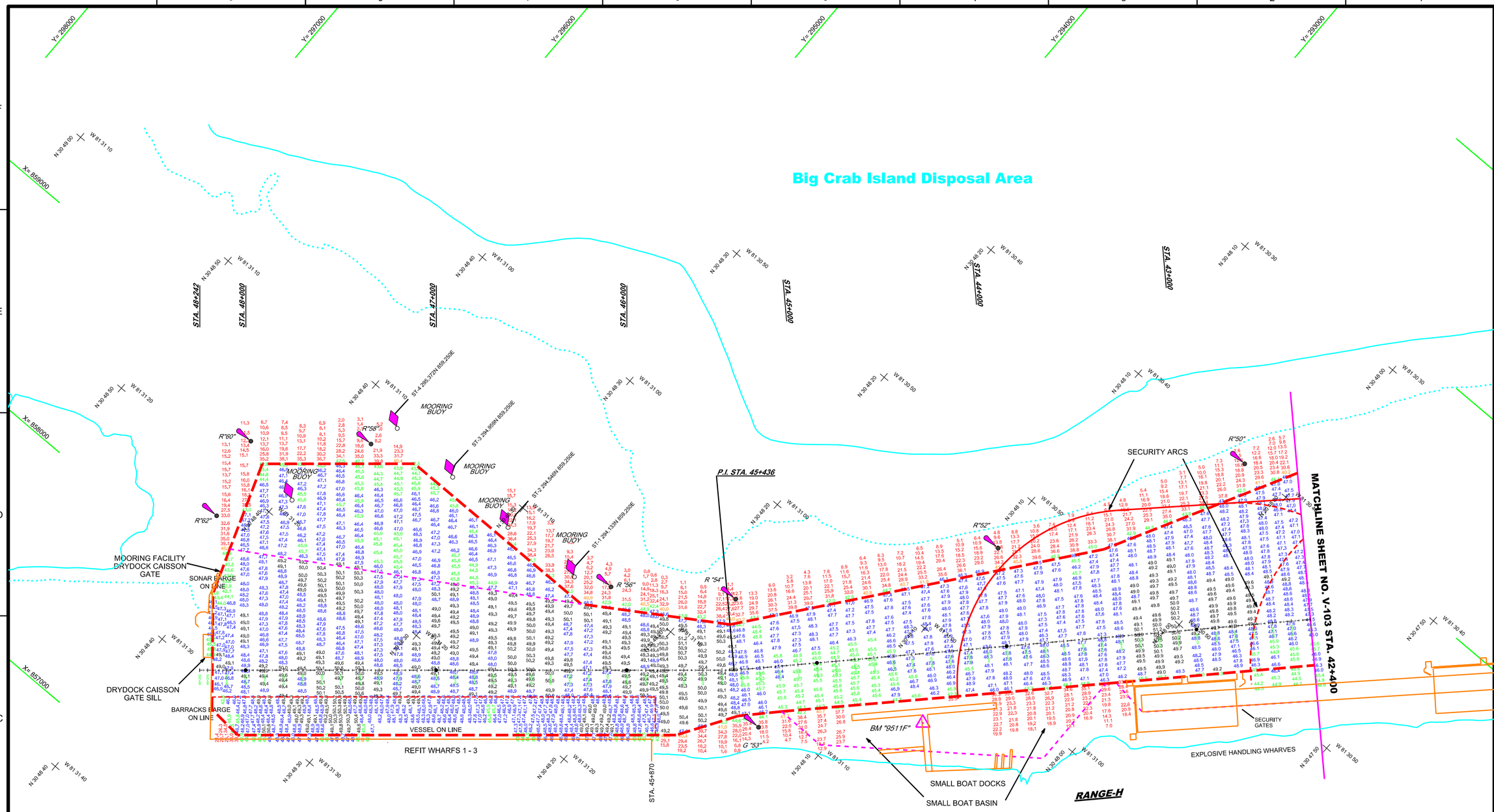
MAP

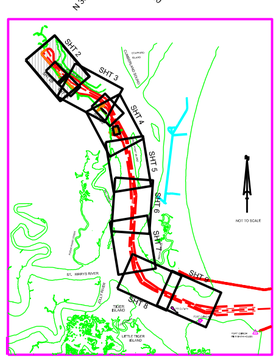
Scale: AS SHOWN

Drawing no.

V-101

SHEET 01 OF 12





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT - 50 (12/16)	861,980	291,821	30°48'02.76"	81°30'40.02"
LT - 52 (12/16)	860,805	292,521	30°48'09.76"	81°30'53.45"
LT - 53 (12/16)	859,274	292,872	30°48'13.31"	81°31'10.98"
LT - 54 (12/16)	859,709	293,399	30°48'18.50"	81°31'05.96"
LT - 56 (12/16)	859,335	293,939	30°48'23.87"	81°31'10.20"
LT - 58 (12/16)	859,092	295,385	30°48'38.20"	81°31'12.90"
LT - 60 (12/16)	858,695	295,875	30°48'43.08"	81°31'17.41"
LT - 62 (12/16)	858,280	295,759	30°48'41.95"	81°31'22.18"
MOORING BUOY (12/16)	859,260	294,102	30°48'25.49"	81°31'11.05"
MOORING BUOY (12/16)	859,228	294,529	30°48'29.71"	81°31'11.38"
MOORING BUOY (12/16)	859,241	294,927	30°48'33.65"	81°31'11.22"
MOORING BUOY (12/16)	859,265	295,341	30°48'37.75"	81°31'10.91"
MOORING BUOY (12/16)	858,627	295,487	30°48'39.24"	81°31'18.22"

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. 17-047.
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	Description	Zone

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

Designed by: KRM
DWN by: FMW
Ckd by: CBS
Date: DEC 2016

INDEX_LOC_DGN
KINGSBY83-CALT_LONG.DGN
KBIC13-2-NGCHAN.DGN
T-047-X-BIC-VH-102.DGN

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
44, 45 & 46-FOOT PROJECT

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

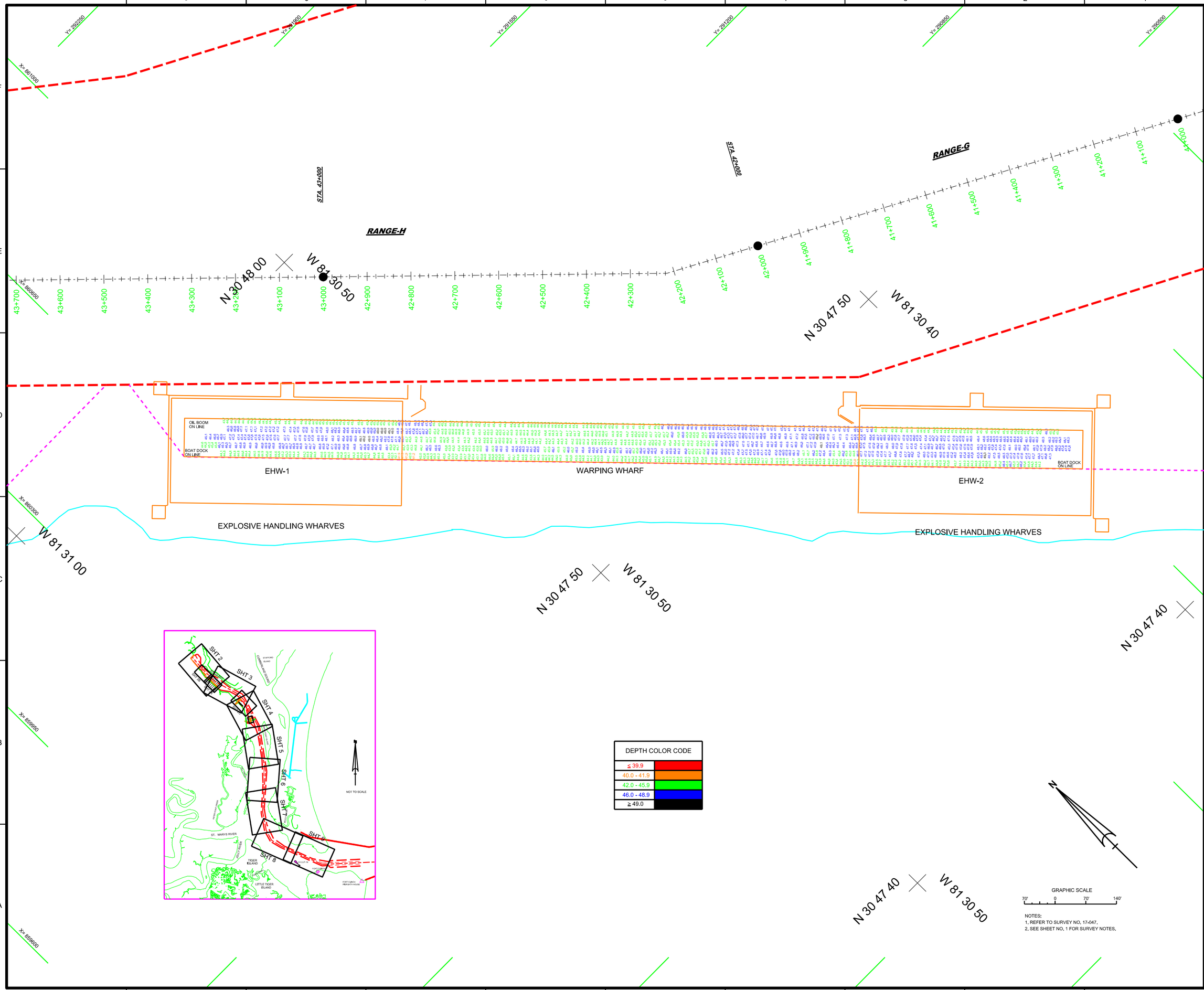
PLAN

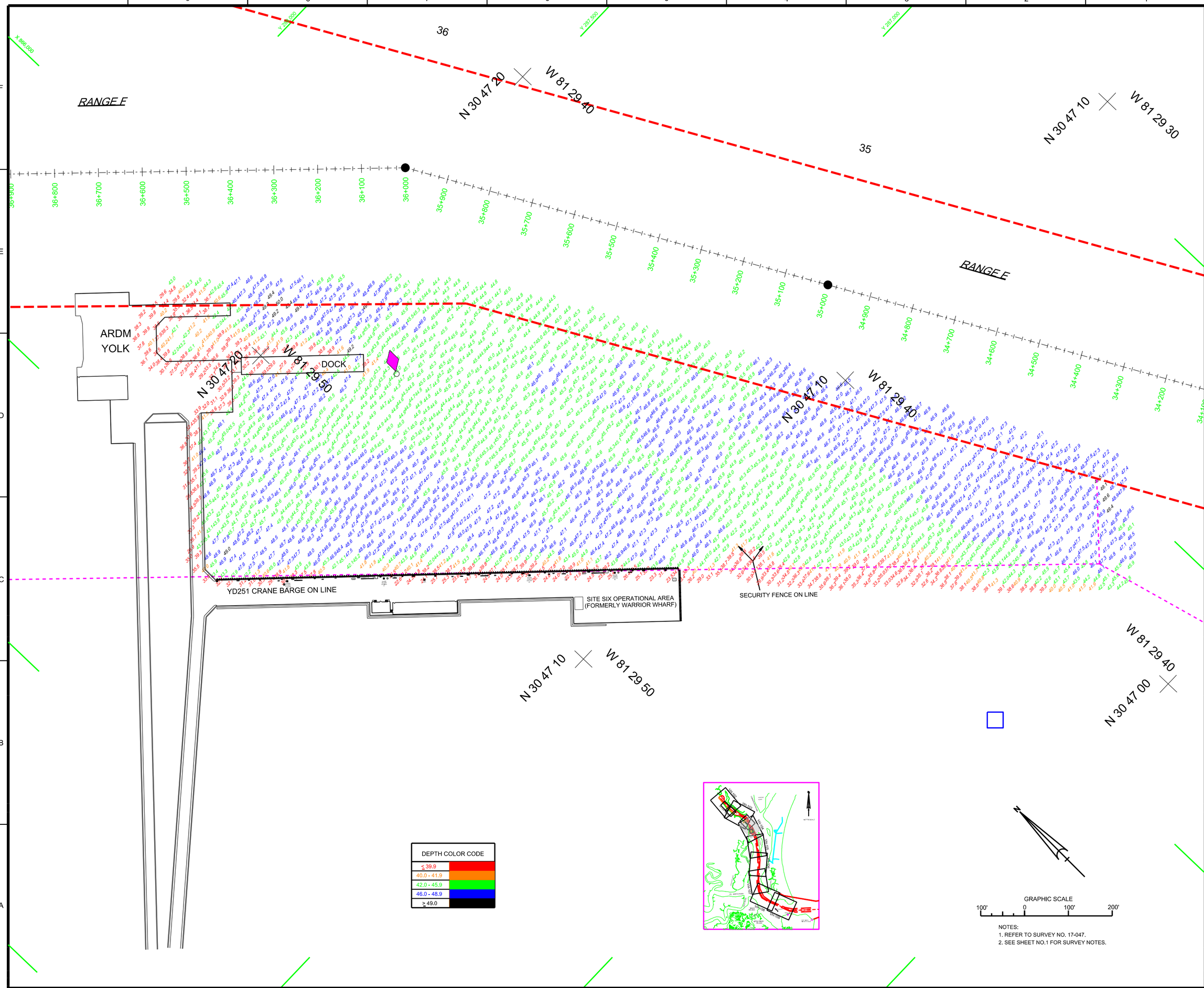
Scale: AS SHOWN

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
OIL BOOM ON LINE
BOAT DOCK ON LINE
EHW-1
WARPING WHARF
EHW-2
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. 17-047.
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 - DEC 2016
44, 45 & 46-FOOT PROJECT
EXPLOSIVE HANDLING WHARVES
PLAN
Scale: AS SHOWN
Drawing no.
V-102A
SHEET 03 OF 12



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
Chkd/Apvd by: VRM
DWN by: FMW
Bnr. No.:
Date: DEC 2016

17-047-V-SITE-4_MB.DGN
INDEX_LOC.DGN
FIXED_DTM.DGN
KBIC93FEC-LATLONG.DGN
KBIC13-C-NEGCHAN.DGN
17-047-O-BS-BRGR.DGN
Reference files:
17-047-KBIC-VH-102C.DGN
File name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
44, 45 & 46-FOOT PROJECT

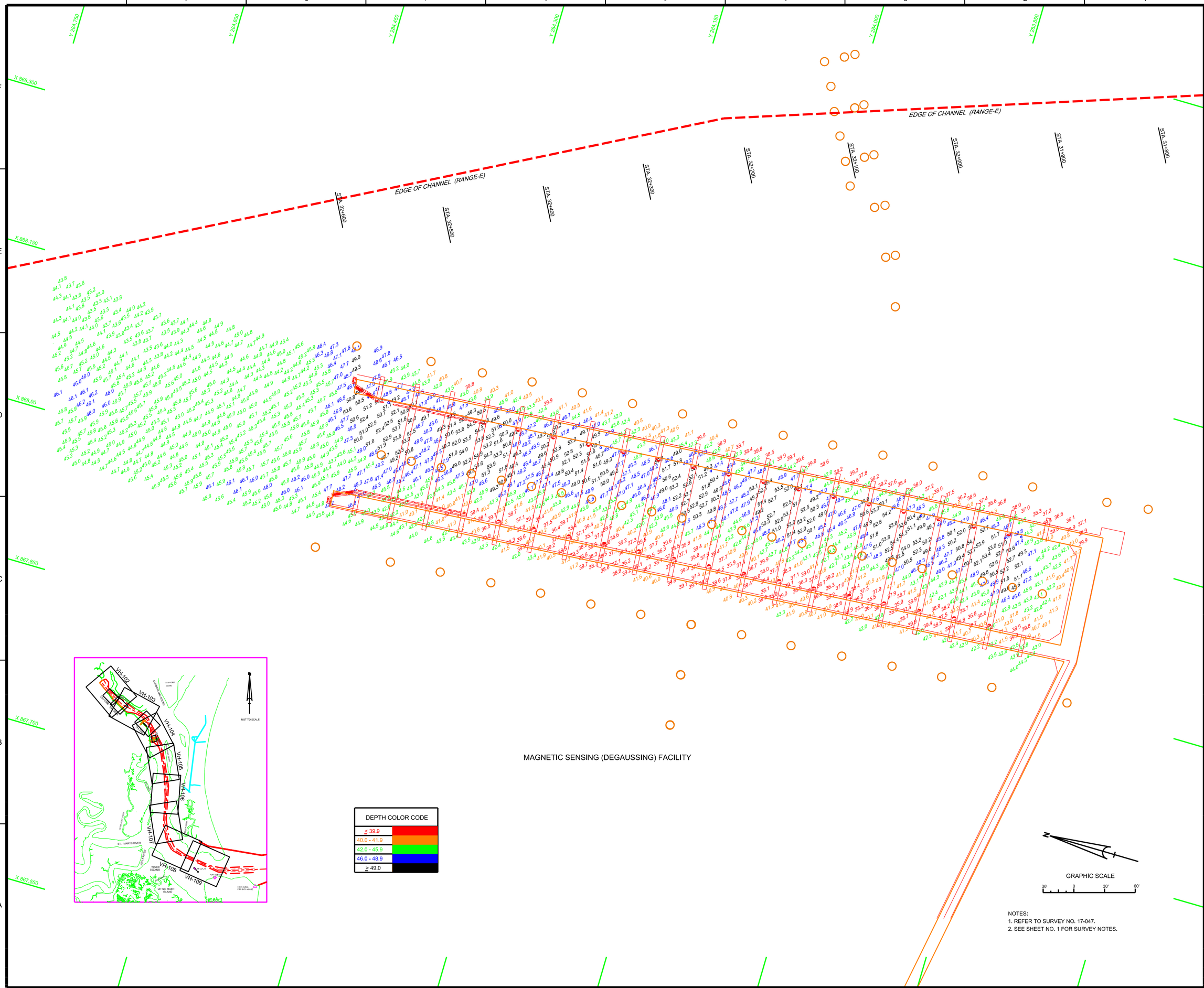
SITE-6
PLAN

Scale: AS SHOWN

Drawing no.

V-102C

SHEET 4 OF 12



NOTES:
1. REFER TO SURVEY NO. 17-047.
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 Adjust by: GR
Cad Input by: MRM
DWN by: FMW
Rev. No.:
Date: DEC 2016

Reference files:
17-047-A-MSF-MB.DGN
17-047-A-LOC.DGN
KSBTOP063.DGN
KSBC13-C-NSCHAN.DGN
17-047-C-RS-BRDR.DGN
17-047-KSBC-VH-102D.DGN
File name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
44, 45 & 46-FOOT PROJECT

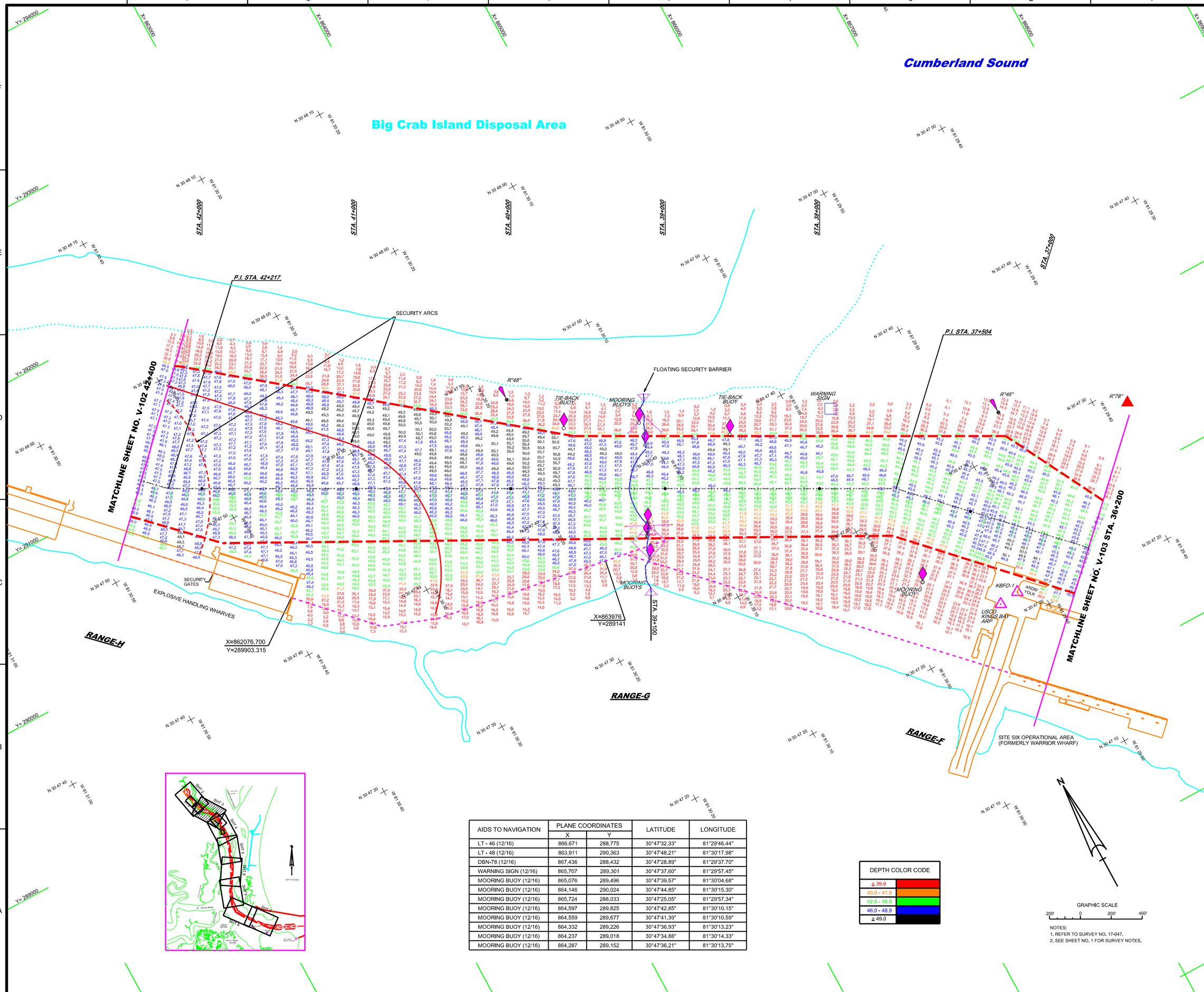
MSF OPERATION BASIN PLAN

Scale: AS SHOWN

Drawing no.

VH-102D

SHEET 5 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT - 46 (12/16)	866,671	288,775	30°47'32.33"	81°29'46.44"
LT - 48 (12/16)	863,911	290,363	30°47'48.21"	81°30'17.98"
DBN-78 (12/16)	867,436	288,432	30°47'28.89"	81°29'37.70"
WARNING SIGN (12/16)	865,707	289,301	30°47'37.60"	81°29'57.45"
MOORING BUOY (12/16)	865,076	289,496	30°47'39.57"	81°30'04.68"
MOORING BUOY (12/16)	864,146	290,024	30°47'44.85"	81°30'15.30"
MOORING BUOY (12/16)	865,724	288,033	30°47'25.05"	81°29'57.34"
MOORING BUOY (12/16)	864,597	289,825	30°47'42.85"	81°30'10.15"
MOORING BUOY (12/16)	864,559	289,677	30°47'41.39"	81°30'10.59"
MOORING BUOY (12/16)	864,332	289,226	30°47'36.93"	81°30'13.23"
MOORING BUOY (12/16)	864,237	289,018	30°47'34.88"	81°30'14.33"
MOORING BUOY (12/16)	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

NOTES:
1. REFER TO SURVEY NO. 17-047.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Description	Zone

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

Cad-by: GB
Designed by: KRM
Drawn by: FMW
Rev. No.
Date: DEC 2016

KBTOPO83.DGN
INDEX_LOC.DGN
17-047-X-NAVARD.DGN
17-047-X-RGE-F-HF.DGN
17-047-X-RGE-G-HF.DGN
17-047-X-RGE-H-HF.DGN
KINGSBY83-G-LATLONG.DGN
KBC13-C-NGGHAN.DGN
17-047-C-BS-BRDR.DGN
Reference files
17-047-KBIC-VH-103.DGN
File: nucmc

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
44, 45 & 46-FOOT PROJECT

STA. 36+200 RANGE-F THRU STA. 42+00 RANGE-H

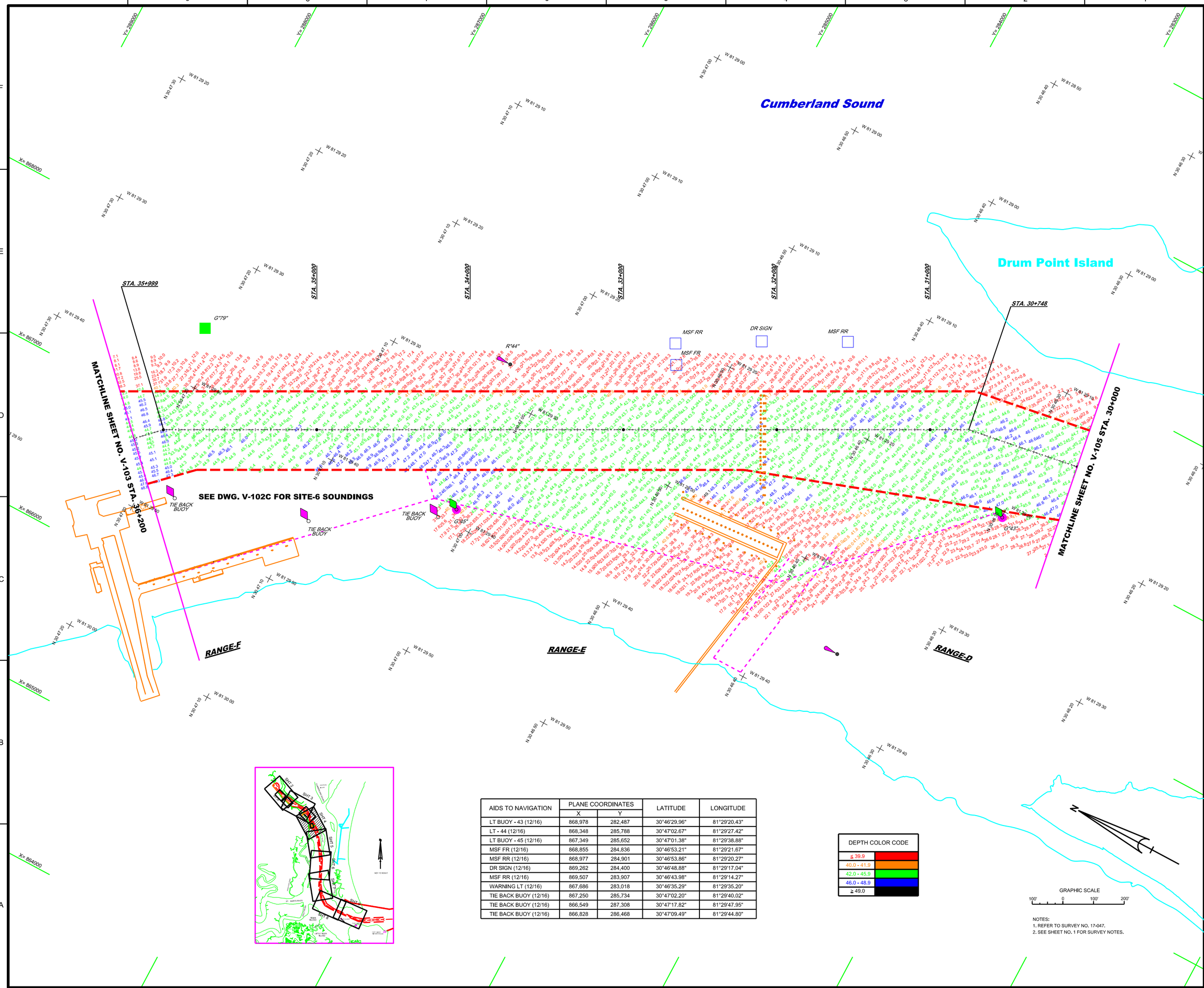
PLAN

Scale: AS SHOWN

Drawing no.

V-103

SHEET 06 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 43 (12/16)	868,978	282,487	30°46'29.96"	81°29'20.43"
LT - 44 (12/16)	868,348	285,788	30°47'02.67"	81°29'27.42"
LT BUOY - 45 (12/16)	867,349	285,652	30°47'01.38"	81°29'38.88"
MSF FR (12/16)	868,855	284,836	30°46'53.21"	81°29'21.67"
MSF RR (12/16)	868,977	284,901	30°46'53.86"	81°29'20.27"
DR SIGN (12/16)	869,262	284,400	30°46'48.88"	81°29'17.04"
MSF RR (12/16)	869,507	283,907	30°46'43.98"	81°29'14.27"
WARNING LT (12/16)	867,686	283,018	30°46'35.29"	81°29'35.20"
TIE BACK BUOY (12/16)	867,250	285,734	30°47'02.20"	81°29'40.02"
TIE BACK BUOY (12/16)	866,549	287,308	30°47'17.82"	81°29'47.95"
TIE BACK BUOY (12/16)	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	

NOTES:
1. REFER TO SURVEY NO. 17-047.
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: DEC 2016

KBTOPO01.DGN
INDEX_LOC.DGN

17-047A-RGE-D_MB.DGN
17-047-A-RGE-E_MB.DGN
17-047-A-RGE-F-4IF.DGN
17-047-A-RGE-F-WIDE.DGN
KINGSBYB-CA-LATLONG.DGN
KBC13-C-CASCHAN.DGN
17-047-C-BS-BROP.DGN

Reference files:
17-047-A(B)C-V-H-104.DGN
File name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
44, 45 & 46-FOOT PROJECT

STA. 30+000 RANGE-D THRU STA. 36+200 RANGE-F

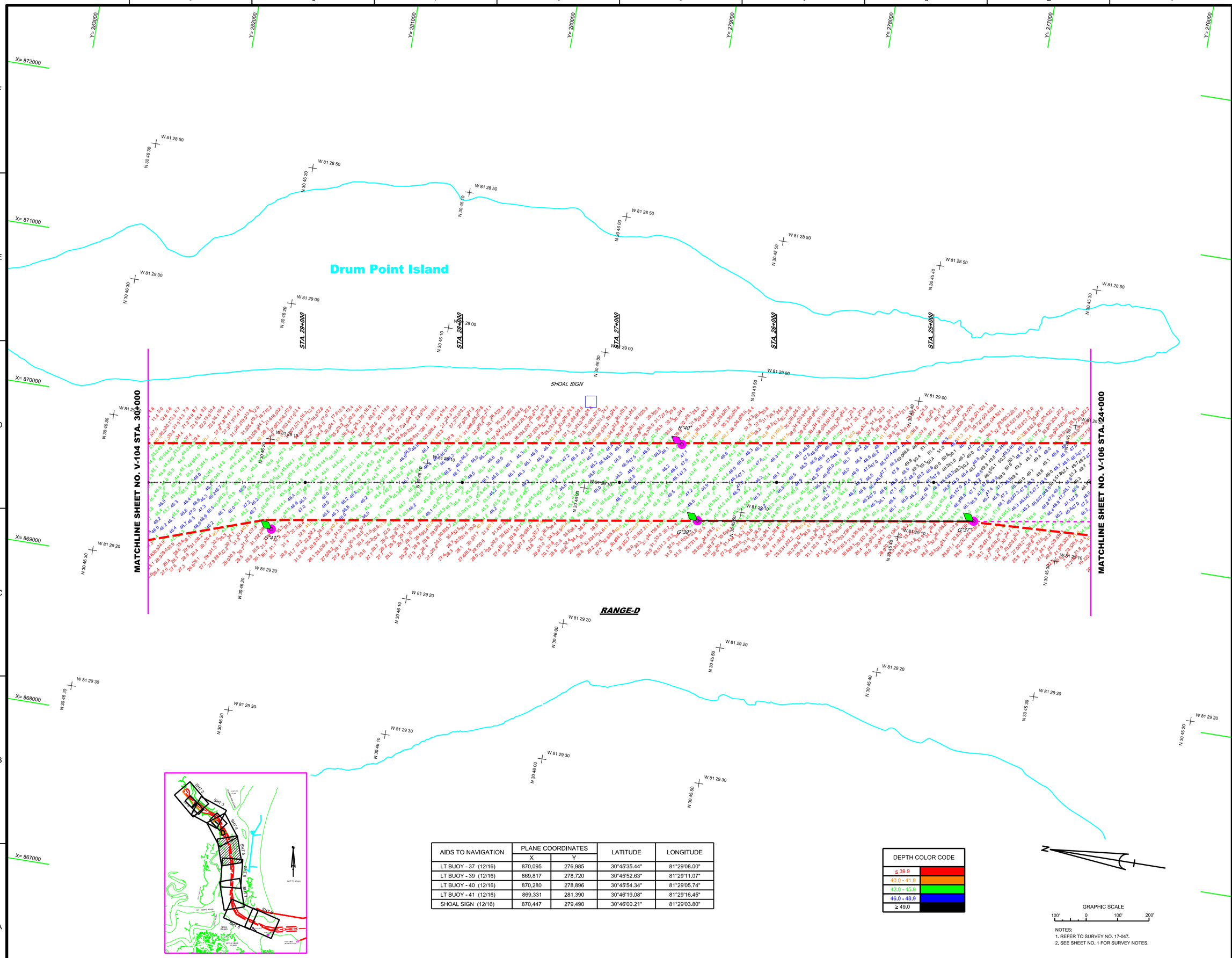
PLAN

Scale: AS SHOWN

Drawing no.

V-104

SHEET 07 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 37 (12/16)	870,095	276,985	30°45'35.44"	81°29'08.00"
LT BUOY - 39 (12/16)	869,817	278,720	30°45'52.63"	81°29'11.07"
LT BUOY - 40 (12/16)	870,280	278,896	30°45'54.34"	81°29'05.74"
LT BUOY - 41 (12/16)	869,331	281,390	30°46'19.08"	81°29'16.45"
SHOAL SIGN (12/16)	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. 17-047.
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: GR
Designed by: KRM
DWN by: FMW
Rev. No.:
Dated: DEC 2016

17-047xVRSEDMRL.DGN
17-047xNAVAIDS.DGN
INDEX_LOC.DGN
KINGSFIELD.DGN
KINGSFIELDS-CL-ALT_LONG.DGN
KGBC13-CANSCHAN.DGN
17-047xDHS-BNDR.DGN
Reference files:
17-047xKGBC-VH-105.DGN
File name:

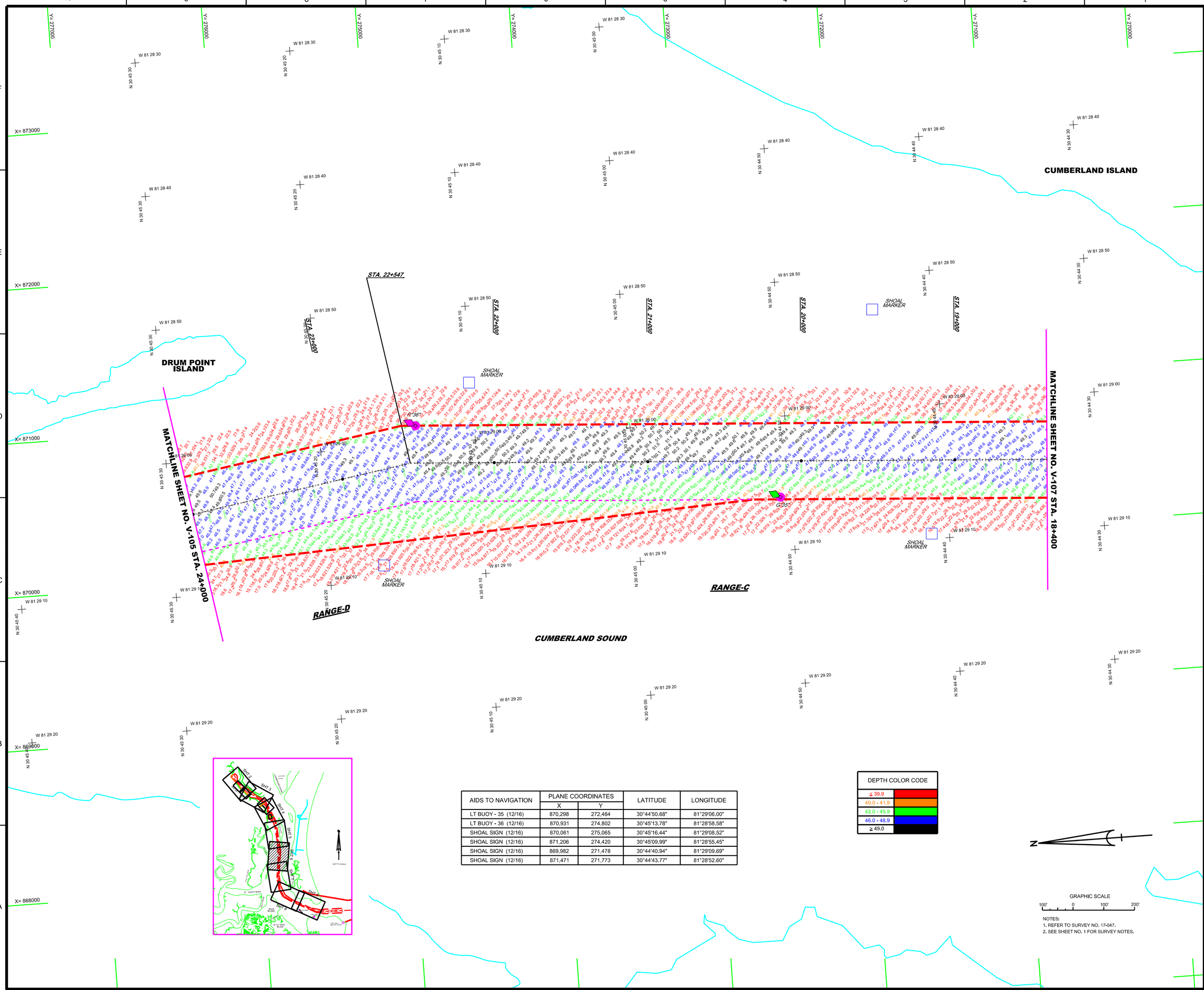
U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
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 (12/16)	870,298	272,464	30°44'50.68"	81°29'06.00"
LT BUOY - 36 (12/16)	870,931	274,802	30°45'13.78"	81°28'58.58"
SHOAL SIGN (12/16)	870,061	275,065	30°45'16.44"	81°29'08.52"
SHOAL SIGN (12/16)	871,206	274,420	30°45'09.99"	81°28'55.45"
SHOAL SIGN (12/16)	869,982	271,478	30°44'40.94"	81°29'09.69"
SHOAL SIGN (12/16)	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

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 17-047.
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: VRM
Checked by: GR
DWN by: FMW
Rev. No.:
Date:

17-047-A-RGE-C-AB.DGN
17-047-A-RGE-C-AB2.DGN
17-047-A-NAVAID.DGN
INDEX_LOC.DGN
KINGSBAY.DGN
KINGSBYS3-CALATLONG.DGN
KBC13-CANGCHAN.DGN
17-047-G-BS-BRDR.DGN
Reference files

17-047-KBC-VH-106.DGN
File name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
44, 45 & 46-FOOT PROJECT

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

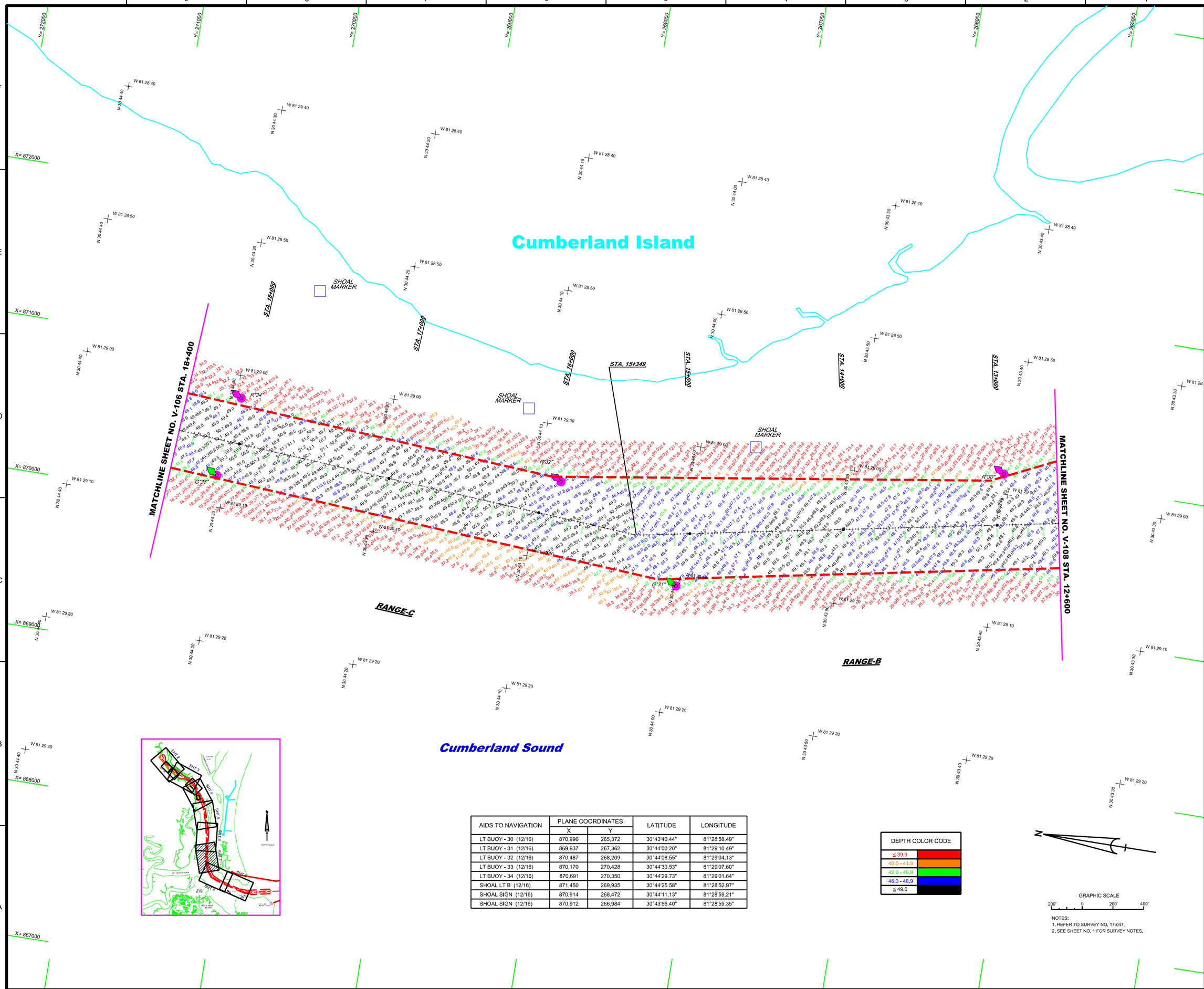
MAP

Scale: AS SHOWN

Drawing no.

V-106

SHEET 09 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 30 (12/16)	870,996	265,372	30°43'40.44"	81°28'58.49"
LT BUOY - 31 (12/16)	869,937	267,362	30°44'00.20"	81°29'10.49"
LT BUOY - 32 (12/16)	870,487	268,209	30°44'08.55"	81°29'04.13"
LT BUOY - 33 (12/16)	870,170	270,428	30°44'30.53"	81°29'07.60"
LT BUOY - 34 (12/16)	870,691	270,350	30°44'29.73"	81°29'01.64"
SHOAL LT B (12/16)	871,450	269,935	30°44'25.58"	81°28'52.97"
SHOAL SIGN (12/16)	870,914	268,472	30°44'11.13"	81°28'59.21"
SHOAL SIGN (12/16)	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. 17-047.
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

Designed by: WRM
Drawn by: FMW
Checked by: GR
Rev. No.
Date: DEC 2016

17-047-ABC-C-AMB.DGN
17-047-ABC-C-AMB.DGN
17-047-ABC-B-AMB.DGN
17-047-V-NAVAIDS.DGN
KBTOPO83.DGN
KBC13-C-ALTLT.DNG.DGN
NOBELL.DGN
KBC13-C-NGCHAN.DGN
17-047-C-BS-BROK.DGN
Reference files

17-047-KBC-V-V107.DGN
File name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
44, 45 & 46-FOOT PROJECT

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

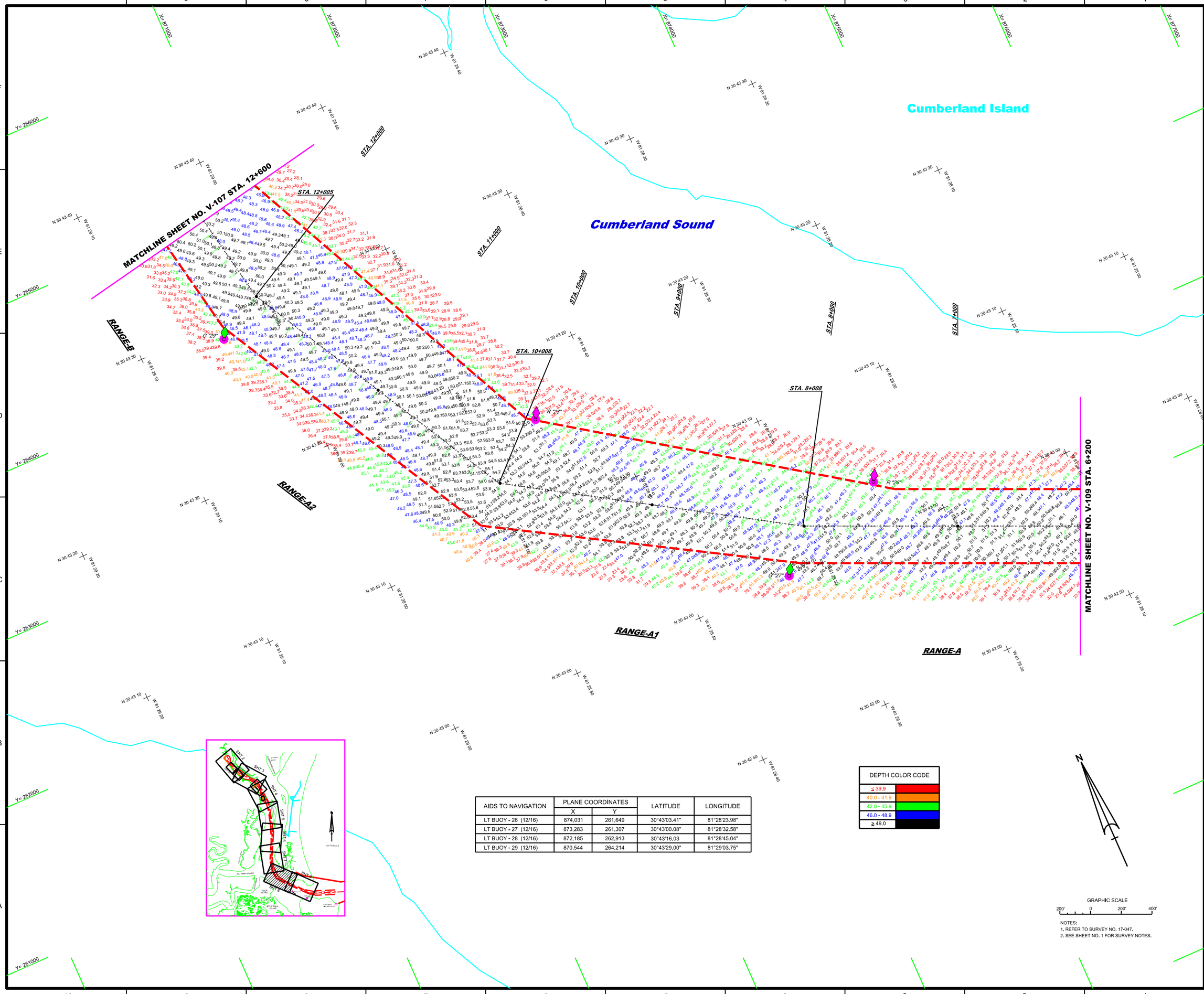
MAP

Scale: AS SHOWN

Drawing no.

V-107

SHEET 10 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 26 (12/16)	874,031	261,649	30°43'03.41"	81°28'23.98"
LT BUOY - 27 (12/16)	873,283	261,307	30°43'00.08"	81°28'32.58"
LT BUOY - 28 (12/16)	872,185	262,913	30°43'16.03	81°28'45.04"
LT BUOY - 29 (12/16)	870,544	264,214	30°43'29.00"	81°29'03.75"

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. 17-047.
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

Designed by: WRM
Drawn by: FMW
Checked by: GB
Proj. No.
Date: DEC 2016

17-047-A-BIC-A-AB-B.DGN INDEX_LOC.DGN
17-047-A-RGE-A-AB-B.DGN INSTRUCTION
17-047-A-RGE-A2-AB.DGN
17-047-A-RGE-B-AB.DGN
17-047-A-SHT-01-03.DGN
VINCENT-SCALATLONG.DGN
KBIC13-CAGCHANLDGN
17-047-G-BS-BRDR.DGN

Reference files:
17-047-A-BIC-VH-108.DGN
No. name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
44, 45 & 46-FOOT PROJECT

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

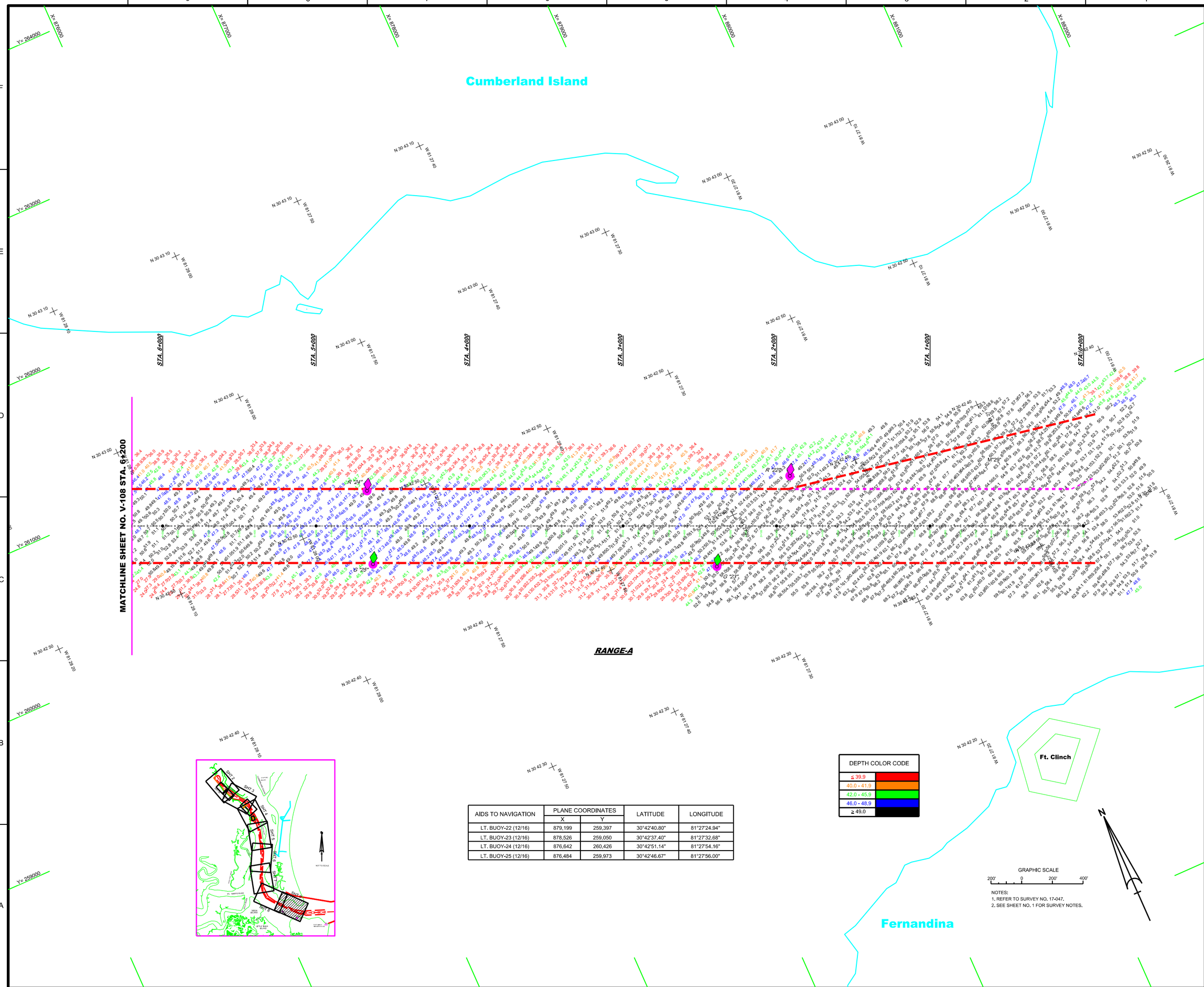
PLAN

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 (12/16)	879,199	259,397	30°42'40.80"	81°27'24.94"
LT. BUOY-23 (12/16)	878,526	259,050	30°42'37.40"	81°27'32.68"
LT. BUOY-24 (12/16)	876,642	260,426	30°42'51.14"	81°27'54.16"
LT. BUOY-25 (12/16)	876,484	259,973	30°42'46.67"	81°27'56.00"

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: WBM
Drawn by: FMW
Checked by: GR
Rev. No.
Date: DEC 2016

17-047-AVRGE-AMB.DGN
17-047-AVUAVAIDS.DGN
INDEX_LOC.DGN
KINGS97-STATE.DGN
KINGS97BS-CA-FLTLONG.DGN
KBC13-CA-CNGCHAN.DGN
17-047-CB-BS-BROPL.DGN
Reference files

17-047-KBC-CVH-109.DGN
File name:

U.S. NAVY INNER CHANNEL
KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - DEC 2016
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