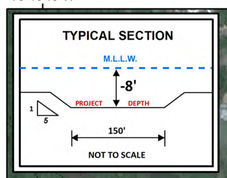
78°15'15"W 78°15'0"W 78°14'45"W 78°14'30"W 78°14'15"W 78°14'0"W 78°13'45"W 78°13'30"W

33°55'15"N 33°55'0"N 33°54'45"N 33°54'30"N 33°54'15"N



Tangent 11

Light 48A
Tide Gage

Surveyed: 07 September 2017 | Surveyed: 21 November 2017

48A

Tangent 12

74+25.04 70+00 65+00 60+00 55+00 50+00 45+00 40+00 35+00 30+00 25+90 20+90 15+00 10+00 6+00 0+00

AIWW WAYPOINT 5

DA 287

AIWW WAYPOINT 4

48

46B

AIWW WAYPOINT 3

46

47

47A

AIWW WAYPOINT 2

AIWW WAYPOINT 1

Tangent 10

Sheep Island

Holden Beach

Oak Island

Blockade Runner "RANGER"

BENDIGO

LISA MARIE

IRON AGE

ELIZABETH

Lockwoods Folly Inlet

1:3,600
0 200 400 600 800 Feet

Wrecks

Name	SPF_X	SPF_Y	DMS_X	DMS_Y
Bendigo	2231074	59639	78° 14' 18.668"W	33° 54' 41.112"N
Iron Age	2231618	59148	78° 14' 12.262"W	33° 54' 36.215"N
Elizabeth	2232179	58878	78° 14' 5.639"W	33° 54' 33.504"N
Lisa Marie	2231719	59592	78° 14' 11.027"W	33° 54' 40.599"N
Blockade Runner "Ranger"	2227420	59802	78° 15' 2.002"W	33° 54' 42.998"N

WAYPOINTS

Survey Date	Project	SPF_X	SPF_Y	DMS_X	DMS_Y
2017-11-21	AIWW / CFRLR / T11 / Waypoint 1	2233958	63433	78° 13' 44.116" W	33° 55' 18.422" N
2017-11-21	AIWW / CFRLR / T11 / Waypoint 2	2233284	63323	78° 13' 52.115" W	33° 55' 17.381" N
2017-11-21	AIWW / CFRLR / T11 / Waypoint 3	2232060	63489	78° 14' 6.629" W	33° 55' 19.122" N
2017-11-21	AIWW / CFRLR / T11 / Waypoint 4	2231359	62940	78° 14' 14.989" W	33° 55' 13.745" N
2017-11-21	AIWW / CFRLR / T11 / Waypoint 5	2226632	62203	78° 15' 11.142" W	33° 55' 6.806" N

NOTES:

1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "WALT ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
4. TIDE GAGE LOCATED AT: LIGHT 48A
   USE OF TIDE VALUES FOR THIS GAGE ARE RESTRICTED TO QUALITY ASSURANCE PURPOSES FOR VERIFICATION OF RTK TIDES. THE WILMINGTON DISTRICT WILL ONLY USE STAFF GAGE TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UN-AVAILABLE AT THE TIME OF SURVEY.
5. THIS PROJECT WAS DESIGNED BY THE WILMINGTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS AND SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER1110-1-8152.
6. THE INFORMATION DEPICTED ON THIS SURVEY MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS. A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY ON THE INFORMATION PROVIDED HERE. REQUIRED BY 33 CFR 209.325
7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
8. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard
- Tide Gage

Depth In Feet

- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Wrecks
- Waypoints
- Waypoint Lines
- Navigation Channel
- Placement Areas

US Army Corps of Engineers
Wilmington District





SURVEYED BY: SRV, LMT
SURVEY DATE: 07 SEPTEMBER & 21 NOVEMBER 2017

MAPPED: K7PDPSGD
PROCESSED BY: K7PDPSGD
MAP DATE: 28 NOVEMBER 2017

MAP SCALE: 1:3,600
IMAGERY DATE: 17 AUGUST 2017

MAP FILE NAME: IN_10_LFI_20171121.MXD
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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

Lockwoods Folly Inlet & AIWW Crossing

OAK ISLAND, NORTH CAROLINA