

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

- Waypoints
- Waypoint Lines
- Placement Areas
- Navigation Channel

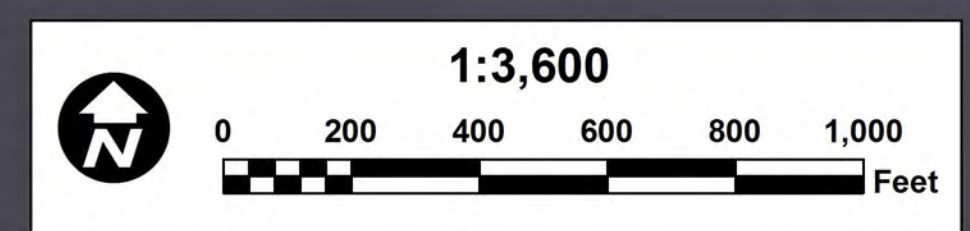
2 Blockade Runner "RANGER"

Wrecks

Name	SPP_X	SPP_Y	DMS_X	DMS_Y
Bendigo	2231074	59633	78° 14' 18.088" W	33° 54' 41.112" N
Iron Age	2231618	59148	78° 14' 12.282" W	33° 54' 38.215" N
Elizabeth	2231719	58878	78° 14' 5.633" W	33° 54' 33.504" N
Lisa Marie	2231719	59592	78° 14' 11.027" W	33° 54' 40.599" N
Blockade Runner "Ranger"	2231420	59892	78° 16' 2.002" W	33° 54' 42.899" N

NOTES:

- ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
- PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL " BUTLER ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
- HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
- 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 UNAVAILABLE AT THE TIME OF SURVEY.
- 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.
- 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
- NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL. ACCURACY +/- 3 METERS.
- FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL



WAYPOINTS

Project	Survey Date	SPP_X	SPP_Y	DMS_X	DMS_Y
AIWW / CFRLR / T11 / Waypoint 1	2016-10-11	2233958	63433	78° 13' 44.116" W	33° 55' 18.422" N
AIWW / CFRLR / T11 / Waypoint 2	2016-10-11	2232915	63266	78° 13' 56.506" W	33° 55' 16.845" N
AIWW / CFRLR / T11 / Waypoint 3	2016-10-11	2231950	63448	78° 14' 7.937" W	33° 55' 18.721" N
AIWW / CFRLR / T11 / Waypoint 4	2016-10-11	2231602	63321	78° 14' 12.069" W	33° 55' 17.491" N
AIWW / CFRLR / T11 / Waypoint 5	2016-10-11	2231245	62927	78° 14' 16.341" W	33° 55' 13.618" N
AIWW / CFRLR / T11 / Waypoint 6	2016-10-11	2226636	62194	78° 15' 11.088" W	33° 55' 6.722" N
Lockwoods Folly Inlet - Waypoint 01	2016-10-11	2229358	58057	78° 14' 39.176" W	33° 54' 25.599" N
Lockwoods Folly Inlet - Waypoint 02	2016-10-11	2229833	58911	78° 14' 33.463" W	33° 54' 34.006" N
Lockwoods Folly Inlet - Waypoint 03	2016-10-11	2230581	59448	78° 14' 23.350" W	33° 54' 39.255" N
Lockwoods Folly Inlet - Waypoint 04	2016-10-11	2231200	60470	78° 14' 17.088" W	33° 54' 43.328" N
Lockwoods Folly Inlet - Waypoint 05	2016-10-11	2231346	62393	78° 14' 15.197" W	33° 55' 8.332" N
Lockwoods Folly Inlet - Waypoint 06	2016-10-11	2231245	62927	78° 14' 16.341" W	33° 55' 13.618" N

SURVEY DATE: 11 OCTOBER 2016	SURVEYED BY: LMT, SRV
MAP DATE: 12 OCTOBER 2016	MAPPED: K7DPFSGD
MAP SCALE: 1:3,600	PROCESSED BY: DJM
IMAGERY DATE: 3 OCTOBER 2016	
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MAP FILE NAME: IN_10_LFI_201610101.MXD	

HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

**Lockwoods Folly Inlet
& AIWW Crossing**

OAK ISLAND, NORTH CAROLINA