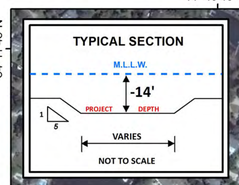
77°49'45"W 77°49'30"W 77°49'15"W 77°49'0"W 77°48'45"W 77°48'30"W 77°48'15"W 77°48'0"W

34°11'45"N 34°11'30"N 34°11'15"N 34°11'0"N 34°10'45"N 34°10'30"N




AIWW WAYPOINT 1

MB 285

DA 251

Section 4
Tangent 3

Surveyed:
7 November 2016

AIWW WAYPOINT 2
INLET WAYPOINT 5

129

Shinn Creek

Surveyed:
27 June 2016

INLET WAYPOINT 4

Wrightsville Banks Channel

Range 3

INLET WAYPOINT 3

WC

BANKS CHANNEL WAYPOINT 1

USCGStation Wrightsville Beach
Tide Gage

Wrightsville Beach

129A

DA 252

AIWW WAYPOINT 3

Matchline
Section 4 Tangent 3

INLET WAYPOINT 2

Jetty

Danger

Masonboro Inlet

Surveyed:
13 & 20 June 2016

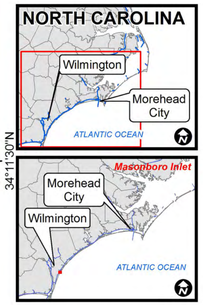
Masonboro Island

INLET WAYPOINT 1

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 "BUTLER & SANDERSON ", 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: USCG DOCK & MILEBOARD 285.
   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 SURVEY'S 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

**US Army Corps of Engineers**
**Wilmington District**




SURVEY DATE: 13, 20 & 28 JUNE, 7 NOVEMBER 2016
SURVEYED BY: LMT, WJC, JBD, WWW, SRV
MAP DATE: 09 NOVEMBER 2016
MAPPED: K7OPNDJM
MAP SCALE: 1:4,000
IMAGERY DATE: 21 OCTOBER 2016
© 2016 DIGITALGLOBE NEXTVIEW LICENSE
MAP FILE NAME: IN_07_MAS_20161107.MXD

1:4,000
0 200 400 800 1,200 1,600 Feet

## 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
- Matchlines
- Navigation Channel
- Placement Areas

## WAYPOINTS

| Project | Survey Date | SPF_X | SPF_Y | DMS_X | DMS_Y |
|---|---|---|---|---|---|
| AIWW Shinn Ck -S4 - Tangent 3-4 - Waypoint_1 | 2016-11-07 | 2355761 | 164356 | 77° 49' 24.850" W | 34° 11' 44.828" N |
| AIWW Shinn Ck -S4 - Tangent 3-4 - Waypoint_2 | 2016-11-07 | 2354803 | 162869 | 77° 49' 36.458" W | 34° 11' 30.230" N |
| AIWW Shinn Ck -S4 - Tangent 3-4 - Waypoint_3 | 2016-11-07 | 2353245 | 160272 | 77° 49' 55.375" W | 34° 11' 4.726" N |
| BANKS CHANNEL - Waypoint_1 | 2016-06-13 | 2358859 | 162291 | 77° 48' 48.268" W | 34° 11' 24.039" N |
| Masonboro Inlet - Waypoint_1 | 2016-06-13 | 2362369 | 157090 | 77° 48' 7.242" W | 34° 10' 32.171" N |
| Masonboro Inlet - Waypoint_2 | 2016-06-13 | 2357955 | 160555 | 77° 48' 59.278" W | 34° 11' 6.966" N |
| Masonboro Inlet - Waypoint_3 | 2016-06-27 | 2357301 | 162220 | 77° 49' 6.821" W | 34° 11' 23.514" N |
| Masonboro Inlet - Waypoint_4 | 2016-06-27 | 2356424 | 162659 | 77° 49' 17.202" W | 34° 11' 27.957" N |
| Masonboro Inlet - Waypoint_5 | 2016-06-27 | 2354803 | 162869 | 77° 49' 36.458" W | 34° 11' 30.230" N |

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

# Masonboro Inlet and Shinn Creek

**WRIGHTSVILLE BEACH, NORTH CAROLINA**