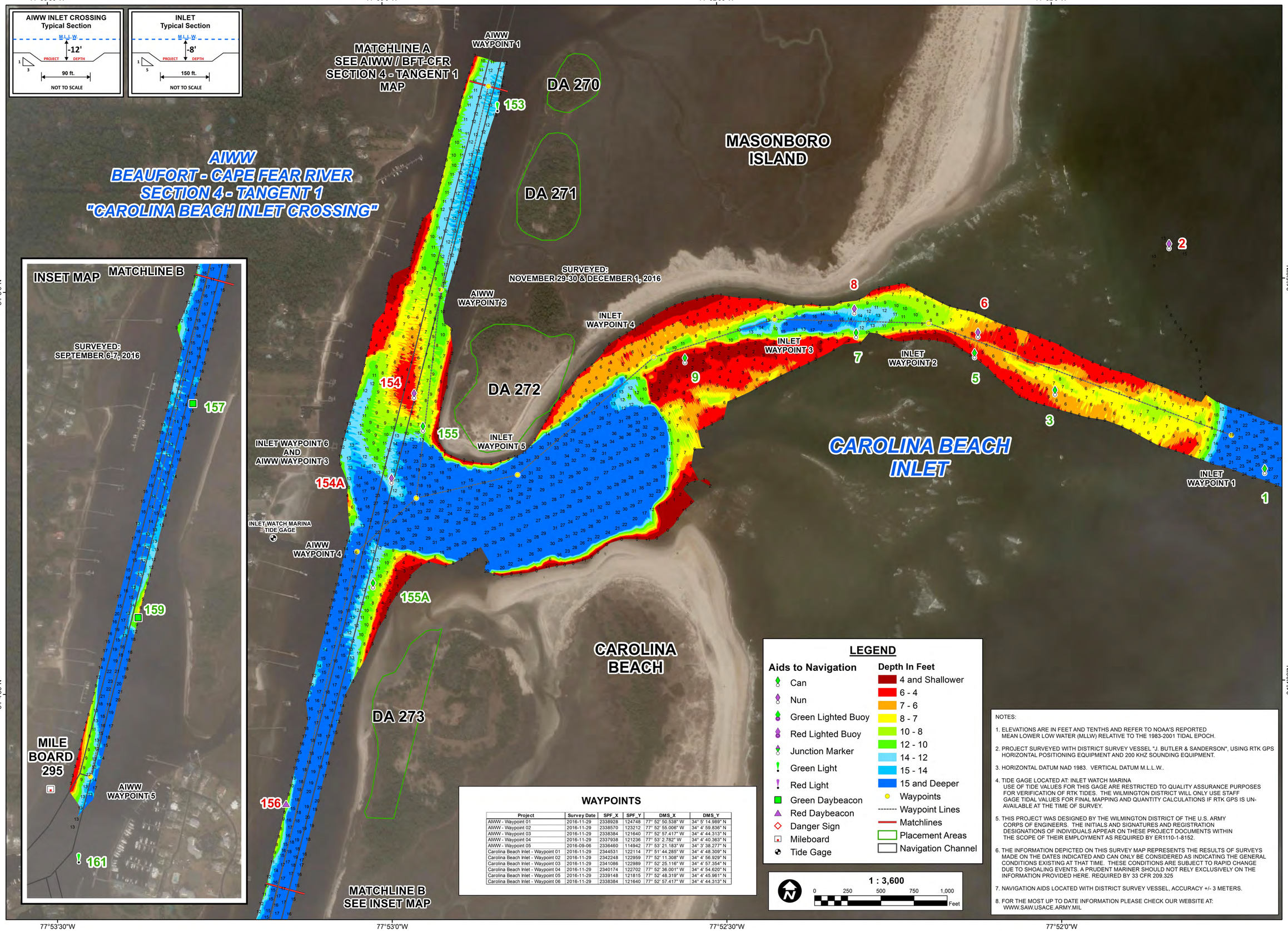


WAYPOINTS

Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
AIWW - Waypoint 01	2016-11-29	2338928	124748	77° 52' 50.538" W	34° 5' 14.989" N
AIWW - Waypoint 02	2016-11-29	2338570	123212	77° 52' 55.006" W	34° 4' 59.836" N
AIWW - Waypoint 03	2016-11-29	2338384	121640	77° 52' 57.417" W	34° 4' 44.313" N
AIWW - Waypoint 04	2016-11-29	2337938	121236	77° 53' 2.782" W	34° 4' 40.363" N
AIWW - Waypoint 05	2016-09-06	2336460	114942	77° 53' 21.183" W	34° 3' 38.277" N
Carolina Beach Inlet - Waypoint 01	2016-11-29	2344531	122114	77° 51' 44.285" W	34° 4' 48.309" N
Carolina Beach Inlet - Waypoint 02	2016-11-29	2342248	122959	77° 52' 11.308" W	34° 4' 56.929" N
Carolina Beach Inlet - Waypoint 03	2016-11-29	2341086	122989	77° 52' 25.116" W	34° 4' 57.354" N
Carolina Beach Inlet - Waypoint 04	2016-11-29	2340174	122702	77° 52' 36.001" W	34° 4' 54.620" N
Carolina Beach Inlet - Waypoint 05	2016-11-29	2339148	121815	77° 52' 48.319" W	34° 4' 45.961" N
Carolina Beach Inlet - Waypoint 06	2016-11-29	2338384	121640	77° 52' 57.417" W	34° 4' 44.313" N

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
- Placement Areas
- Navigation Channel

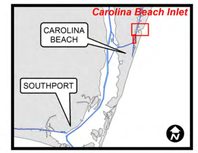
1 : 3,600

0 250 500 750 1,000 Feet

NOTES:

1. ELEVATIONS ARE IN FEET AND TENTHS 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 "J. 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: INLET WATCH MARINA
   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

US Army Corps of Engineers
Wilmington District



SURVEY DATE: 29-30 NOVEMBER & 1 DECEMBER 2016
SURVEY DATE: 6-7 SEPTEMBER 2016
MAP DATE: 02 DECEMBER 2016
MAP SCALE: 1:3,600
IMAGERY DATE: 17 OCTOBER 2016
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SURVEYED BY: WJC, LMT, JBD, SRV
MAPPED: K7OPNSMG
PROCESSED BY: K7OPNDJM
MAP FILE NAME: IN_09_CBI_20161129.MXD

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

Carolina Beach Inlet & AIWW Crossing

CAROLINA BEACH, NORTH CAROLINA