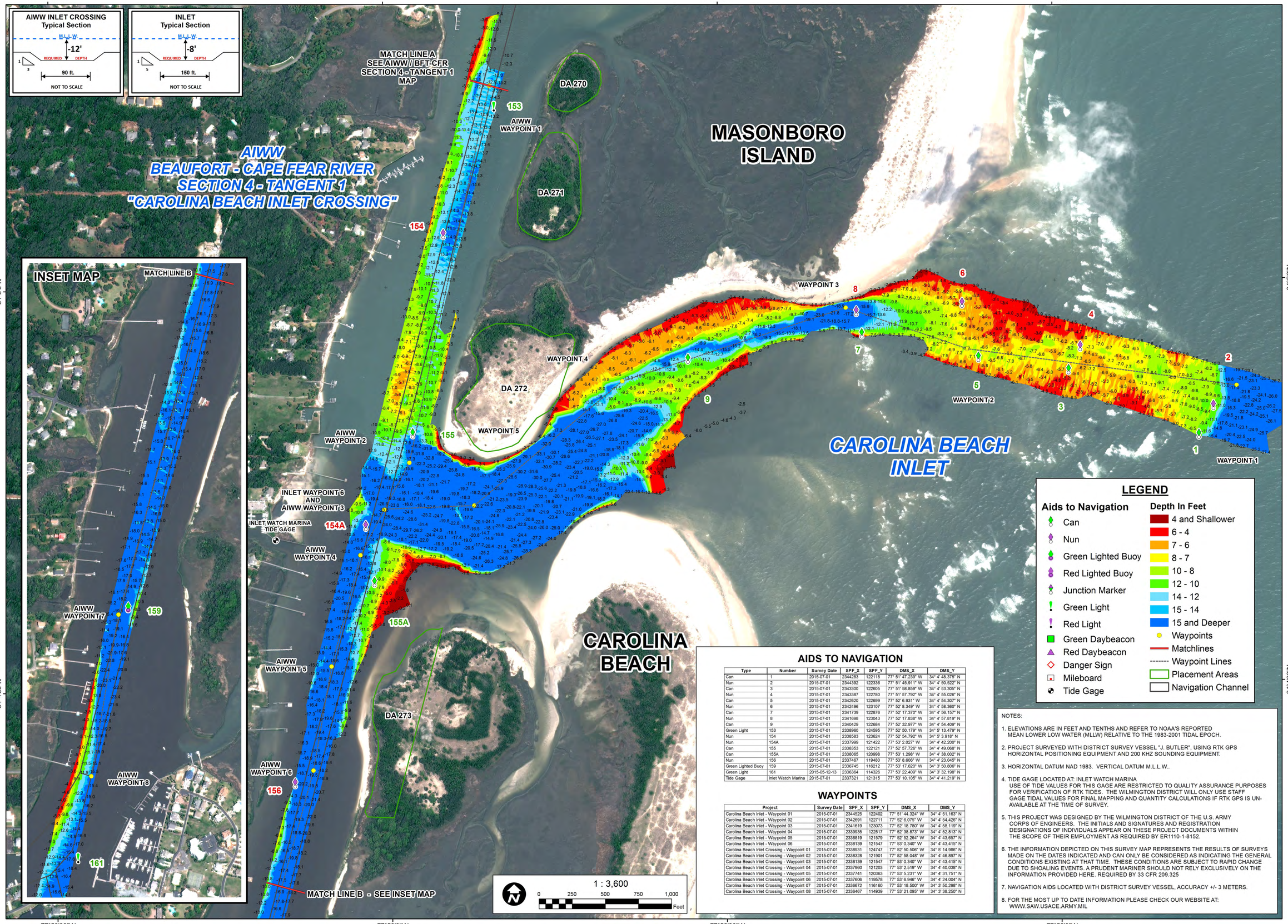


LEGEND

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
- Matchlines
- Waypoint Lines
- Placement Areas
- Navigation Channel

AIDS TO NAVIGATION

Type	Number	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
Can	1	2015-07-01	2344283	122118	77° 51' 47.239" W	34° 4' 48.375" N
Nun	2	2015-07-01	2344392	122336	77° 51' 45.911" W	34° 4' 50.522" N
Can	3	2015-07-01	2343300	122605	77° 51' 58.859" W	34° 4' 53.305" N
Nun	4	2015-07-01	2343387	122780	77° 51' 57.792" W	34° 4' 55.026" N
Can	5	2015-07-01	2342620	122699	77° 52' 6.931" W	34° 4' 54.307" N
Nun	6	2015-07-01	2342496	123107	77° 52' 8.349" W	34° 4' 58.360" N
Can	7	2015-07-01	2341739	122876	77° 52' 17.370" W	34° 4' 56.157" N
Nun	8	2015-07-01	2341698	123043	77° 52' 17.838" W	34° 4' 57.819" N
Can	9	2015-07-01	2340429	122684	77° 52' 32.977" W	34° 4' 54.409" N
Green Light	153	2015-07-01	2338960	124595	77° 52' 50.179" W	34° 5' 13.479" N
Nun	154	2015-07-01	2338583	123624	77° 52' 54.792" W	34° 5' 3.918" N
Nun	154A	2015-07-01	2337999	121422	77° 53' 2.027" W	34° 4' 42.200" N
Can	155	2015-07-01	2338353	122121	77° 52' 57.726" W	34° 4' 49.068" N
Can	155A	2015-07-01	2338065	120998	77° 53' 1.298" W	34° 4' 38.002" N
Nun	156	2015-07-01	2337467	119480	77° 53' 8.606" W	34° 4' 23.045" N
Green Lighted Buoy	159	2015-07-01	2336745	116212	77° 53' 17.620" W	34° 3' 50.806" N
Green Light	161	2015-05-12-13	2336364	114326	77° 53' 22.409" W	34° 3' 32.198" N
Tide Gage	Inlet Watch Marina	2015-07-01	2337321	121315	77° 53' 10.105" W	34° 4' 41.219" N

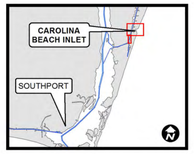
WAYPOINTS

Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
Carolina Beach Inlet - Waypoint 01	2015-07-01	2344525	122402	77° 51' 44.324" W	34° 4' 51.163" N
Carolina Beach Inlet - Waypoint 02	2015-07-01	2342691	122711	77° 52' 6.075" W	34° 4' 54.426" N
Carolina Beach Inlet - Waypoint 03	2015-07-01	2341619	123073	77° 52' 18.780" W	34° 4' 58.119" N
Carolina Beach Inlet - Waypoint 04	2015-07-01	2339935	122517	77° 52' 38.873" W	34° 4' 52.813" N
Carolina Beach Inlet - Waypoint 05	2015-07-01	2338819	121579	77° 52' 52.264" W	34° 4' 43.657" N
Carolina Beach Inlet - Waypoint 06	2015-07-01	2338139	121547	77° 53' 0.340" W	34° 4' 43.415" N
Carolina Beach Inlet Crossing - Waypoint 01	2015-07-01	2338931	124747	77° 52' 50.506" W	34° 5' 14.986" N
Carolina Beach Inlet Crossing - Waypoint 02	2015-07-01	2338328	121901	77° 52' 58.048" W	34° 4' 46.897" N
Carolina Beach Inlet Crossing - Waypoint 03	2015-07-01	2338139	121547	77° 53' 0.340" W	34° 4' 43.415" N
Carolina Beach Inlet Crossing - Waypoint 04	2015-07-01	2337960	121203	77° 53' 2.519" W	34° 4' 40.038" N
Carolina Beach Inlet Crossing - Waypoint 05	2015-07-01	2337741	120363	77° 53' 5.231" W	34° 4' 31.751" N
Carolina Beach Inlet Crossing - Waypoint 06	2015-07-01	2337606	119578	77° 53' 6.946" W	34° 4' 24.004" N
Carolina Beach Inlet Crossing - Waypoint 07	2015-07-01	2336672	116160	77° 53' 18.500" W	34° 3' 50.298" N
Carolina Beach Inlet Crossing - Waypoint 08	2015-07-01	2336467	114939	77° 53' 21.095" W	34° 3' 38.250" N

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", 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



SURVEYED BY: MAS, WWW, WJC
MAPPED BY: DJM
MAP DATE: JULY 6, 2015
MAP SCALE: 1 : 3,600
IMAGERY DATE: APRIL 20, 2015 ©DIGITAL GLOBE INC.
SURVEY DATE(S): JUNE 30 - JULY 1, 2015
MAP FILE NAME: CBI_2015-0630_0701CS.MXD

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

CAROLINA BEACH INLET & AIWW CROSSING

CAROLINA BEACH, NORTH CAROLINA