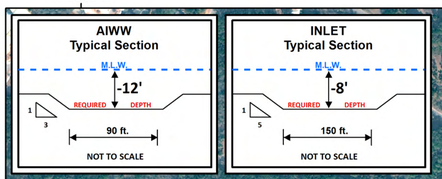
77°53'30"W 77°53'0"W 77°52'30"W 77°52'0"W

34°5'0"N

34°4'30"N



AIWW
BEAUFORT - CAPE FEAR RIVER
SECTION 4 - TANGENT 1
"CAROLINA BEACH INLET CROSSING"

MATCH LINE A
SEE AIWW / BFT-CFR
SECTION 4 - TANGENT 1
MAP

MASONBORO
ISLAND

CAROLINA BEACH
INLET

CAROLINA
BEACH

DA 270
DA 271
DA 272
DA 273

153
154
155
154A
157
159
161

AIWW WAYPOINT 2
AIWW WAYPOINT 3
AIWW WAYPOINT 4
INLET WATCH MARINA
TIDE GAGE

MATCH LINE B - SEE INSET MAP

INSET MAP

Reference surface TINs used for estimated quantity calculations include:

cbi_temp_tin_8ft
cbi_temp_tin_10ft

\\saw-netapp2\Shared\NAV\Surveys\INLETS\CAROLINA_BEACH\2014\04_28_29_cs\Quantities

Estimated Material in the Dredge Box as of April 28-29, 2014

DEPTH	QUANTITY
(8 ft)	17,335 (cy)
(10 ft)	40,194 (cy)

CENTERLINE
X 2,342,439
Y 122,974
Lat 34° 4' 57.053" N
Long. 77° 52' 9.037" W

X 2,342,460
Y 123,046
Lat 34° 4' 57.765" N
Long. 77° 52' 8.783" W

X 2,342,419
Y 122,902
Lat 34° 4' 56.342" N
Long. 77° 52' 9.291" W

X 2,344,224
Y 122,544
Lat 34° 4' 52.601" N
Long. 77° 51' 47.877" W

CENTERLINE
X 2,344,204
Y 122,472
Lat 34° 4' 51.890" N
Long. 77° 51' 48.131" W

X 2,344,183
Y 122,400
Lat 34° 4' 51.179" N
Long. 77° 51' 48.385" W

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
- Matchlines
- Placement Areas
- Navigation Channel

Depth In Feet
- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper

1 : 3,600
0 250 500 750 1,000 Feet

AIDS TO NAVIGATION

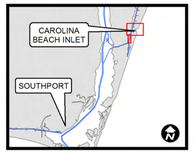
Type	Number	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
Nun	04	2014-04-28-29	2343215	123009	77° 51' 59.807" W	34° 4' 57.313" N
Can	05	2014-04-28-29	2342695	122842	77° 52' 6.015" W	34° 4' 55.714" N
Can	07	2014-04-28-29	2341955	122925	77° 52' 14.795" W	34° 4' 56.624" N
Can	09	2014-04-28-29	2340810	122724	77° 52' 28.439" W	34° 4' 54.766" N
Green Light	153	2014-02-20-21-24	2339001	124641	77° 52' 49.681" W	34° 5' 13.930" N
Nun	154	2014-02-20-21-24	2338565	123590	77° 52' 55.005" W	34° 5' 3.580" N
Nun	154A	2014-04-28-29	2337913	121353	77° 53' 3.063" W	34° 4' 41.523" N
Can	155	2014-02-20-21-24	2338371	122102	77° 52' 57.514" W	34° 4' 48.882" N
Green Daybeacon	157	2014-02-20-21-24	2337237	117774	77° 53' 11.567" W	34° 4' 6.197" N
Green Daybeacon	159	2014-02-20-21-24	2336827	116158	77° 53' 16.659" W	34° 3' 50.266" N
Green Daybeacon	161	2014-02-14	2336411	114326	77° 53' 21.849" W	34° 3' 32.187" N
Tide Gage	Inlet Watch	2014-04-28-29	2337286	121336	77° 53' 10.507" W	34° 4' 41.429" N

NOTES:

1. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO M.L.W..
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSELS "J. BUTLER", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM: BEAUFORT.
4. TIDE GAGE LOCATED AT: INLET WATCH MARINA
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. THESE WAYPOINTS, MAPS AND ASSOCIATED INFORMATION REPRESENTS THE RESULT OF SURVEYS MADE ON THE DATE 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.
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





AIWW SURVEY DATE(S): FEBRUARY 20, 21, & 24, 2014
INLET BAR SURVEY DATE(S): APRIL 28-29, 2014

SURVEYED BY: LMT, JBD
MAPPED BY: DJM

MAP DATE: MAY 6, 2014
MAP SCALE: 1 : 3,600

MAP FILE NAME: CBI_2014-04-28-29CS_DREDGE_QTY.MXD

IMAGERY DATE: FEBRUARY 24, 2014 ©DIGITAL GLOBE INC.

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

CAROLINA BEACH INLET & AIWW CROSSING

CAROLINA BEACH INLET, NORTH CAROLINA