78°1'0"W
78°0'40"W
78°0'20"W
33°53'30"N
33°53'15"N

SOUTHPORT CHANNEL

BALDHEAD - CASWELL CHANNEL

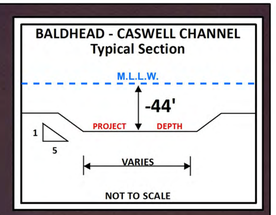
OAK ISLAND

SMITH ISLAND CHANNEL

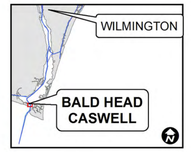
500'

15

9+00 9+50 10+00 10+50 11+00 11+50 12+00 12+50 13+00 13+50



US Army Corps of Engineers
Wilmington District



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 "SWART ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
4. TIDE GAGE LOCATED AT: SOUTHPORT PIER
   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 ER 1110-1-8152.
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

1:2,000
0 250 500
Feet

LEGEND

Aids to Navigation	Depth In Feet
Can	20 and Shallower
Nun	20 - 25
Green Lighted Buoy	25 - 32
Red Lighted Buoy	32 - 35
Junction Marker	35 - 38
Green Light	38 - 42
Red Light	42 - 44
Green Daybeacon	44 - 45
Red Daybeacon	45 - 47
Danger Sign	47 and Deeper
Mileboard	Navigation Channel
Tide Gage	

SURVEYED BY: MAS, SMG, WWW	
MAPPED BY: K7OPNSMG	
PROCESSED BY: K7OPNSMG	
MAP SCALE: 1:2,000	
SURVEY DATE: 10 NOVEMBER 2016	
MAP DATE: 14 NOVEMBER 2016	
IMAGERY DATE: 17 OCTOBER 2016	
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MAP FILE NAME: WH_06_BHC_20161110.MXD	

HYDROGRAPHIC SURVEY

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

WILMINGTON HARBOR

BALDHEAD - CASWELL CHANNEL

WILMINGTON, NORTH CAROLINA