34°39'30"N
34°39'15"N
34°39'0"N
34°38'45"N
34°38'30"N
76°34'30"W
76°34'15"W
76°34'0"W
76°33'45"W
76°33'30"W

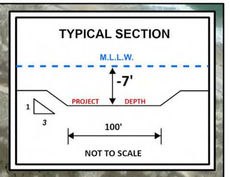
Channel in Back Sound

Matchline Channel to Lookout Bight
Map 1 of 3

Matchline Channel to Lookout Bight
Map 3 of 3

20 22 19 17 21

118+00 120+00 122+00 124+00 126+00 128+00 131+00 134+00 136+00 138+00 140+00 142+00 144+00 146+00 148+00 150+00 152+00 155+00 157+00
113+00 115+00
107+00 109+00 111+00
103+00 105+00
96+00 98+00 100+00
90+00 92+00 94+00
84+00 86+00 88+00
81+00



1:3,000
300 150 0 300 600 900 1,200 Feet

NOTES:

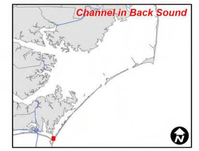
1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "WALT ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
4. TIDE GAGE LOCATED AT: DUKE MARINE LAB
   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

LEGEND

Aids to Navigation
- Can
- Nun
- Danger Sign
- Green Daybeacon
- Red Daybeacon
- Junction Marker
- Green Light
- Red Light
- Green Lighted Buoy
- Red Lighted Buoy
- Mileboard

Elevation
- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Matchlines
- Navigation Channel

US Army Corps of Engineers
Wilmington District



SURVEY DATE: 03 OCTOBER 2024	SURVEYED BY: JAJ, RW
MAP DATE: 11 OCTOBER 2024	MAPPED BY: K7OPNKMS
	PROCESSED BY: K7OPNKMS
MAP SCALE: 1:3,000	
IMAGERY DATE: 03 OCTOBER 2024	
© 2024 MAXAR TECHNOLOGIES	MAP FILE NAME: SH_12_CBS_20241003_CS

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

Channel in Back Sound
Map 2 of 3
HARKERS ISLAND, NORTH CAROLINA