

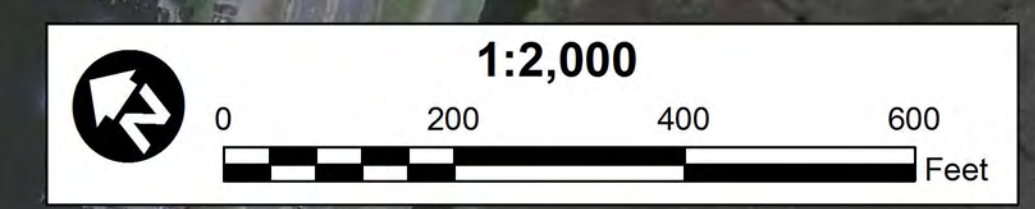
- NOTES:**
- ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
 - PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "POTTER" USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
 - HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
 - TIDE GAGE LOCATED AT BAUM BRIDGE. 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 UNAVAILABLE AT THE TIME OF SURVEY.
 - 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.
 - 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
 - NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
 - FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

LEGEND

Depth In Feet	Aids to Navigation	Light	Waypoints
4 and Shallower	Can	Green Light	Waypoint
6 - 4	Nun	Red Light	Waypoint Lines
7 - 6	Green Lighted Buoy	Green Daybeacon	Navigation Channel
8 - 7	Red Lighted Buoy	Red Daybeacon	
10 - 8	Junction Marker	Danger Sign	
12 - 10		Mileboard	
14 - 12		Tide Gage	
15 - 14			
15 and Deeper			

WAYPOINTS

Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
Manteo Range 7 - 9 - Waypoint 01	2016-08-03	2996246	797526	75° 38' 8.735" W	35° 53' 41.668" N
Manteo Range 7 - 9 - Waypoint 02	2016-08-03	2995016	796732	75° 38' 22.774" W	35° 54' 3.880" N
Manteo Range 7 - 9 - Waypoint 03	2016-08-03	2994172	800527	75° 38' 32.700" W	35° 54' 12.020" N
Manteo Range 7 - 9 - Waypoint 04	2016-08-03	2993644	801755	75° 38' 38.617" W	35° 54' 24.343" N



SURVEY DATE: 03 AUGUST 2016	SURVEYED BY: BRJ, SSS
MAP DATE: 04 AUGUST 2016	MAPPED: K7PDFSGD
MAP SCALE: 1:2,000	
IMAGERY DATE: 28 JULY 2016	
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HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS
Ranges 7-9
 MANTEO, NORTH CAROLINA