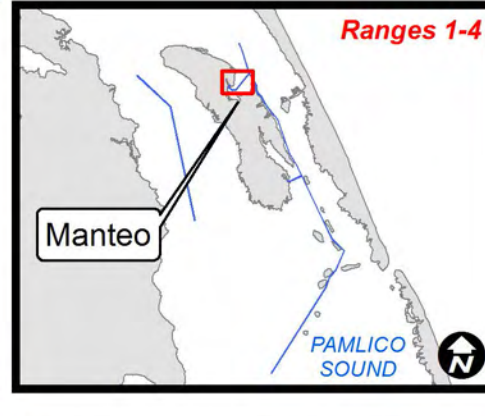


US Army Corps of Engineers
Wilmington District



SURVEY DATE: 05 AUGUST 2016	SURVEYED BY: SSS, BRJ
MAP DATE: 08 AUGUST 2016	MAPPED: K70FNMSG
MAP SCALE: 1:3,000	
IMAGERY DATE: 5 JULY 2014	
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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 MANTEO TOWN DOCK. 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 TIDE 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

WAYPOINTS

Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
Manteo Channels Range 1 - 4 - Waypoint 01	2016-08-05	2991885	805809	75° 38' 58.316" W	35° 55' 4.997" N
Manteo Channels Range 1 - 4 - Waypoint 02	2016-08-05	2991669	805660	75° 38' 1.004" W	35° 55' 3.595" N
Manteo Channels Range 1 - 4 - Waypoint 03	2016-08-05	2988381	9617702	75° 39' 42.668" W	35° 54' 23.328" N
Manteo Channels Range 1 - 4 - Waypoint 04	2016-08-05	2987365	9616643	75° 39' 55.049" W	35° 54' 22.793" N
Manteo Channels Range 1 - 4 - Waypoint 05	2016-08-05	2986625	9626833	75° 40' 3.691" W	35° 54' 31.432" N
Manteo Channels Range 1 - 4 - Waypoint 06	2016-08-05	2986608	9629396	75° 40' 3.814" W	35° 54' 33.548" N
Manteo Channels Range 1 - 4 - Waypoint 07	2016-08-05	2986527	9631422	75° 40' 4.728" W	35° 54' 35.244" N

LEGEND

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

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS
Ranges 1-4
MANTEO, NORTH CAROLINA