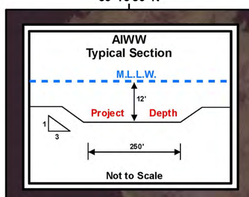


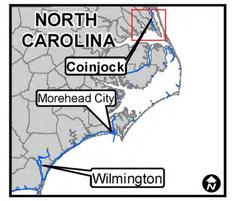
NOTES:

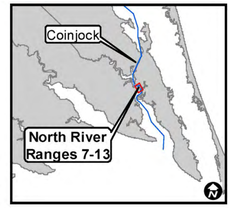
1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON & POTTER", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL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

WAYPOINTS

Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
AIWW - North River - Ranges 7-13 - Waypoint 1	2016-03-23	2894175	937725	75° 57' 56.7" W	36° 17' 19.9" N
AIWW - North River - Ranges 7-13 - Waypoint 2	2016-03-23	2894845	937503	75° 57' 48.6" W	36° 17' 17.5" N
AIWW - North River - Ranges 7-13 - Waypoint 3	2016-03-23	2895688	937520	75° 57' 38.3" W	36° 17' 17.4" N
AIWW - North River - Ranges 7-13 - Waypoint 4	2016-03-23	2896814	937951	75° 57' 24.4" W	36° 17' 21.3" N
AIWW - North River - Ranges 7-13 - Waypoint 5	2016-03-23	2897939	938030	75° 57' 10.6" W	36° 17' 21.8" N
AIWW - North River - Ranges 7-13 - Waypoint 6	2016-03-23	2899346	937047	75° 56' 53.8" W	36° 17' 11.6" N
AIWW - North River - Ranges 7-13 - Waypoint 7	2016-03-23	2899659	936106	75° 56' 50.4" W	36° 17' 2.2" N
AIWW - North River - Ranges 7-13 - Waypoint 8	2016-03-23	2899196	934478	75° 56' 56.6" W	36° 16' 46.3" N

US Army Corps of Engineers
Wilmington District





SURVEYED BY: BRJ, DCH
MAPPED BY: SMG
MAP DATE: 30 MARCH 2016
MAP SCALE: 1:2,400
IMAGERY DATE: 14 SEPTEMBER 2015
MAP FILE NAME: NORTH_RIVER_7-13_2016-03-23_CS.MXD
SURVEY DATE: 23 & 24 MARCH 2016
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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

Atlantic Intracoastal Waterway
Norfolk to Beaufort

NORTH RIVER
RANGES 7 TO 13

Coinjock, North Carolina