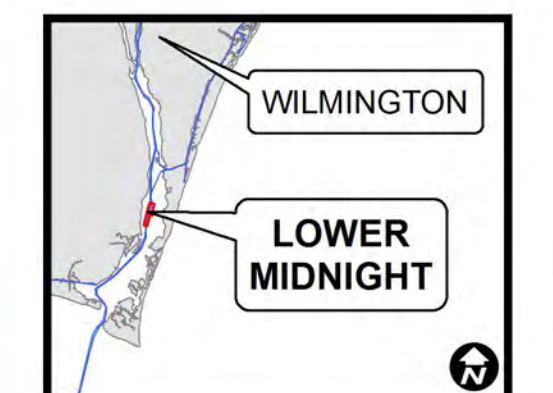
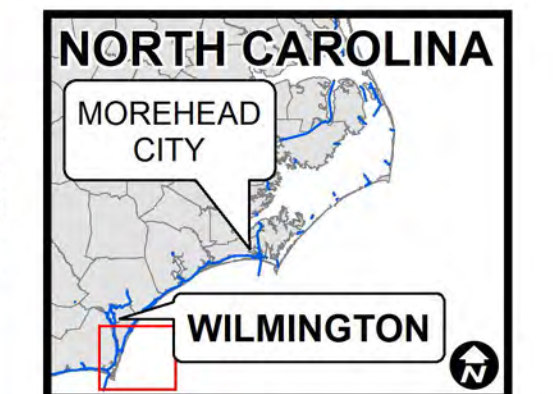
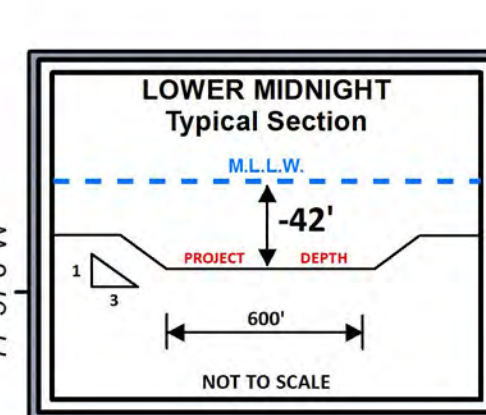
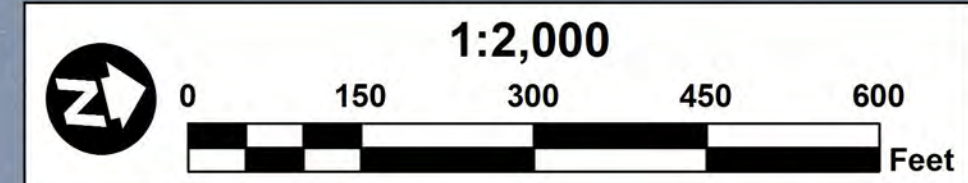


NOTES:

- 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 "SMART", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 28 KHZ SOUNDING EQUIPMENT.
- HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
- TIDE GAGE LOCATED AT: UPPER MIDNIGHT
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 ER 1110-1-8152.
- 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

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: WWW
 MAPPED BY: K7DPDGD
 MAP FILE NAME: WH_13_LMI_20160808.MXD

SURVEY DATE: 08 AUGUST 2016
 MAP DATE: 11 AUGUST 2016
 MAP SCALE: 1:2,000
 IMAGERY DATE: 17 FEBRUARY 2016
 © 2016 DIGITALGLOBE NEXTVIEW LICENSE

HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 WILMINGTON, NORTH CAROLINA
WILMINGTON HARBOR
LOWER MIDNIGHT
 PLEASURE ISLAND, NORTH CAROLINA