

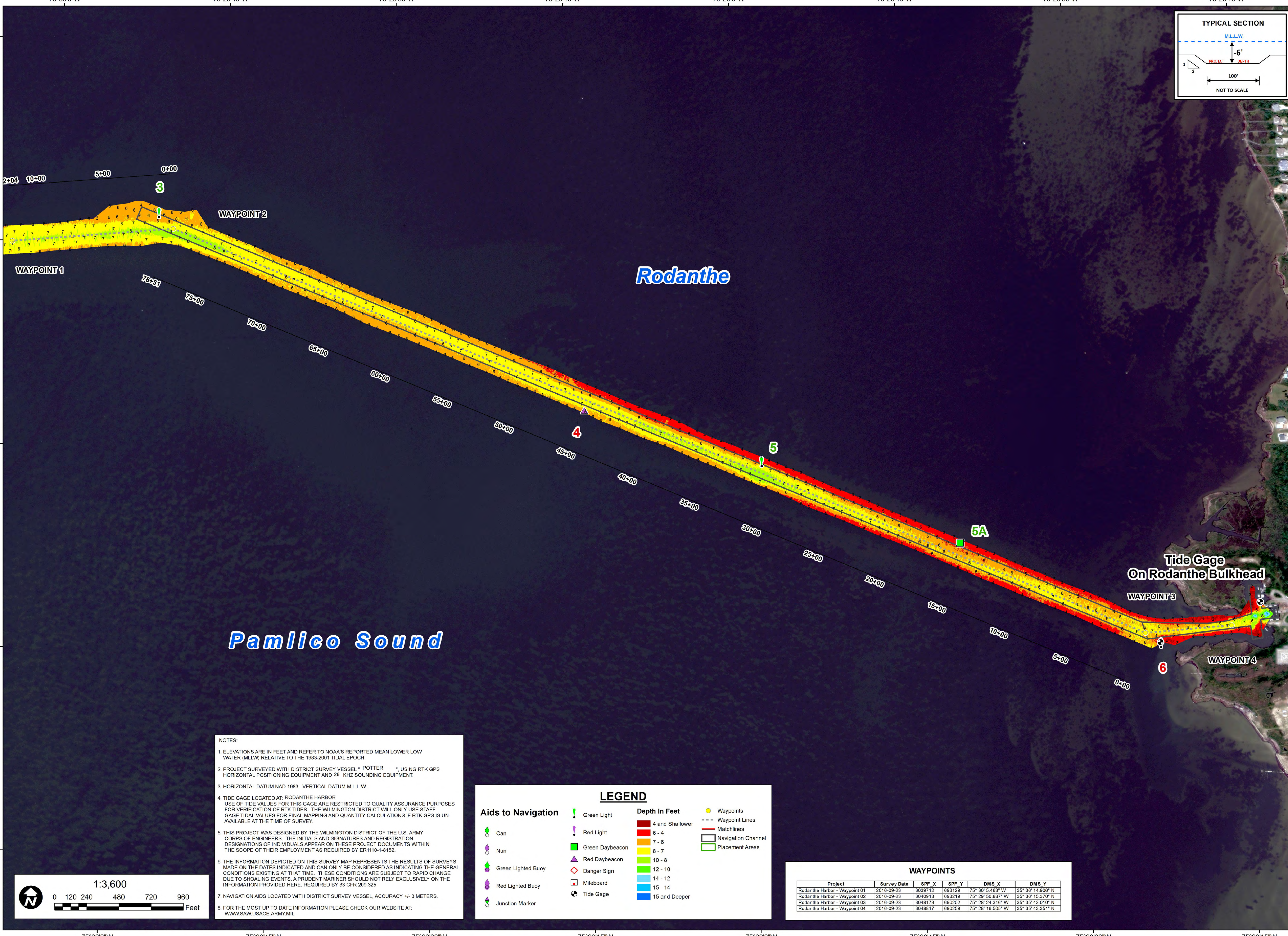
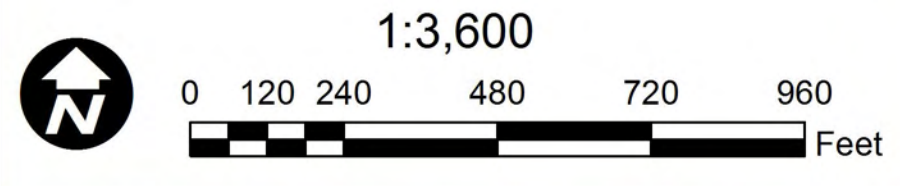
SURVEY DATE: 23 SEPTEMBER 2016	SURVEYED BY: BRJ, DCH
MAP DATE: 26 SEPTEMBER 2016	MAPPED: K7OPNSMG
MAP SCALE: 1:3,600	
IMAGERY DATE: 17 SEPTEMBER 2016	
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NOTES:

- 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 28 KHZ SOUNDING EQUIPMENT.
- HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
- TIDE GAGE LOCATED AT: RODANTHE HARBOR. 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

Aids to Navigation		Depth In Feet		Waypoints	
	Green Light		4 and Shallower		Waypoints
	Red Light		6 - 4		Waypoint Lines
	Green Daybeacon		7 - 6		Matchlines
	Red Daybeacon		8 - 7		Navigation Channel
	Green Lighted Buoy		10 - 8		Placement Areas
	Red Lighted Buoy		12 - 10		
	Junction Marker		14 - 12		
			15 - 14		
			15 and Deeper		

WAYPOINTS					
Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
Rodanthe Harbor - Waypoint 01	2016-09-23	3039712	693129	75° 30' 5.483" W	35° 36' 14.908" N
Rodanthe Harbor - Waypoint 02	2016-09-23	3040913	693219	75° 29' 50.887" W	35° 36' 15.370" N
Rodanthe Harbor - Waypoint 03	2016-09-23	3048173	690202	75° 28' 24.316" W	35° 35' 43.010" N
Rodanthe Harbor - Waypoint 04	2016-09-23	3048817	690259	75° 28' 16.505" W	35° 35' 43.351" N



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

Rodanthe Harbor
 RODANTHE, NORTH CAROLINA