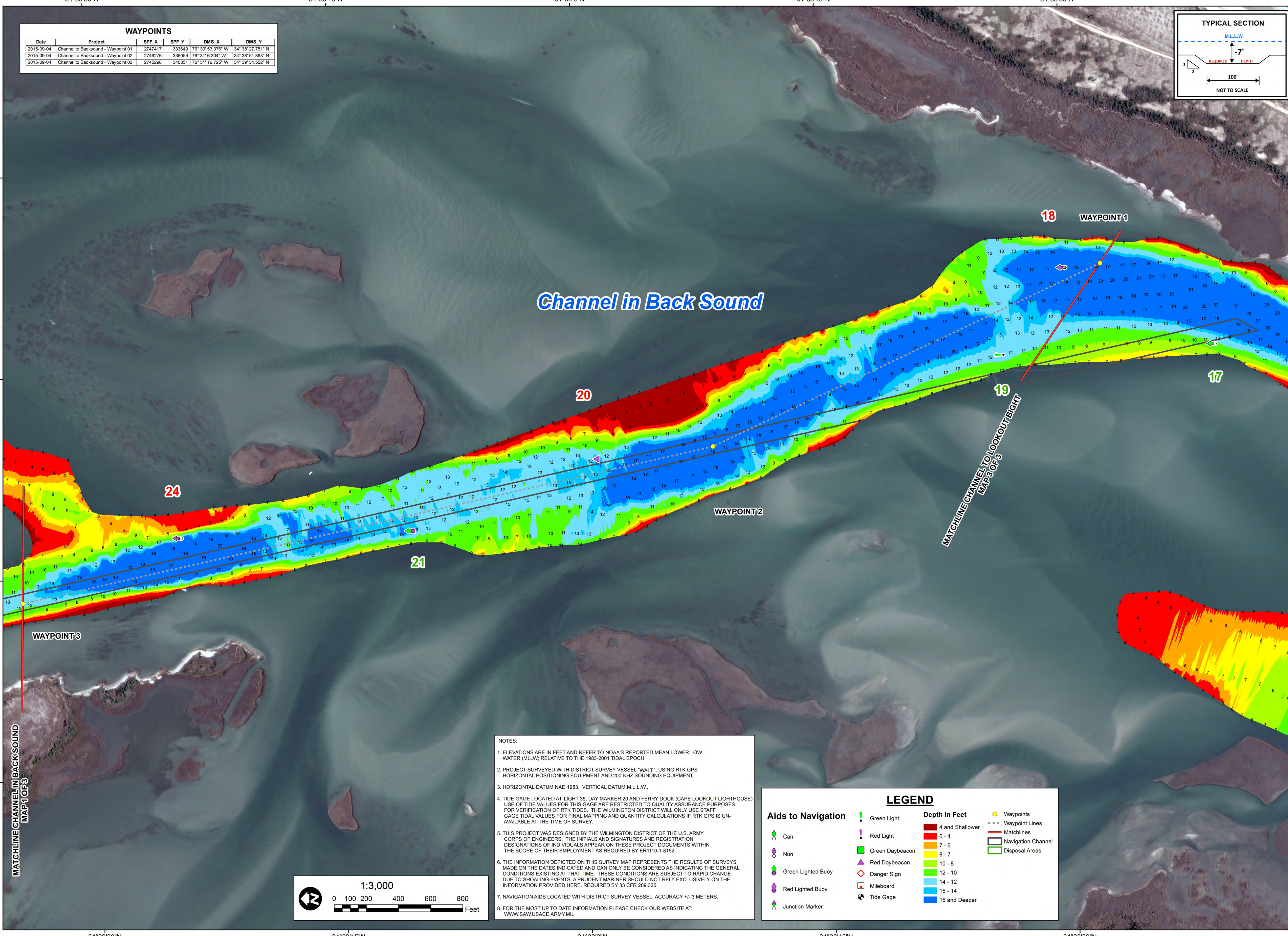
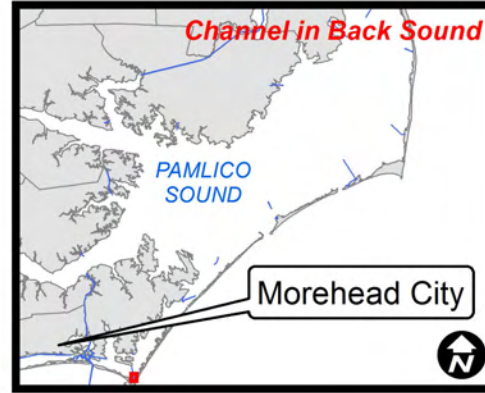
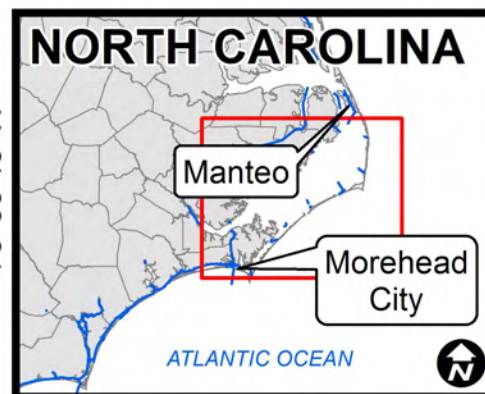
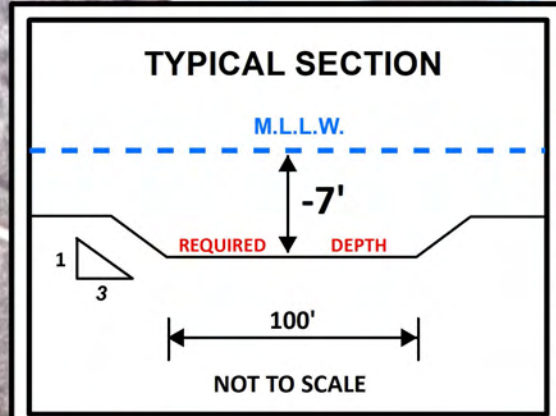


WAYPOINTS					
Date	Project	SPF_X	SPF_Y	DMS_X	DMS_Y
2015-09-04	Channel to Backsound - Waypoint 01	2747417	333649	76° 30' 53.376" W	34° 38' 27.751" N
2015-09-04	Channel to Backsound - Waypoint 02	2746276	336059	76° 31' 6.304" W	34° 38' 51.863" N
2015-09-04	Channel to Backsound - Waypoint 03	2745298	340351	76° 31' 16.725" W	34° 39' 34.552" N



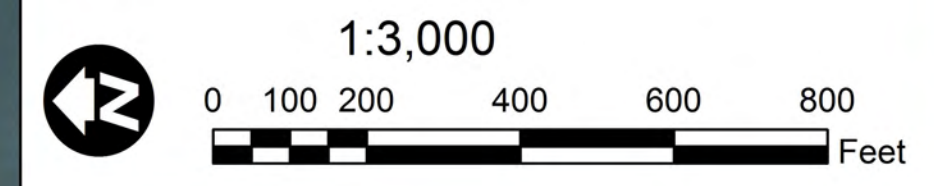
- NOTES:**
- ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
 - PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "WALT", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
 - HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
 - TIDE GAGE LOCATED AT: LIGHT 35, DAY MARKER 20 AND FERRY DOCK (CAPE LOOKOUT LIGHTHOUSE) 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

LEGEND

Green Light	Red Light	Green Daybeacon	Red Daybeacon	Green Lighted Buoy	Red Lighted Buoy	Junction Marker	Waypoints
Can	Nun	Green Lighted Buoy	Red Lighted Buoy	Mileboard	Tide Gage	Matchlines	Navigation Channel
Disposal Areas	Waypoint Lines	Matchlines	Navigation Channel	Disposal Areas			

Depth In Feet

4 and Shallower	6 - 4	7 - 6	8 - 7	10 - 8	12 - 10	14 - 12	15 - 14	15 and Deeper
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SURVEYED BY: CRP, JBG	SURVEY DATE: SEPTEMBER 4 & 8-10, 2015
MAPPED: K7OPNSMG	MAP DATE: 14 SEPTEMBER 2015
	MAP SCALE: 1:3,000
	IMAGERY DATE: DECEMBER 14, 2014
	© 2014 DIGITALGLOBE NEXTVIEW LICENSE
	MAP FILE NAME: SH_12_CBS_20150904_1.MXD

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

Channel in Back Sound
 Map 2 of 3
 HARRERS ISLAND, NORTH CAROLINA