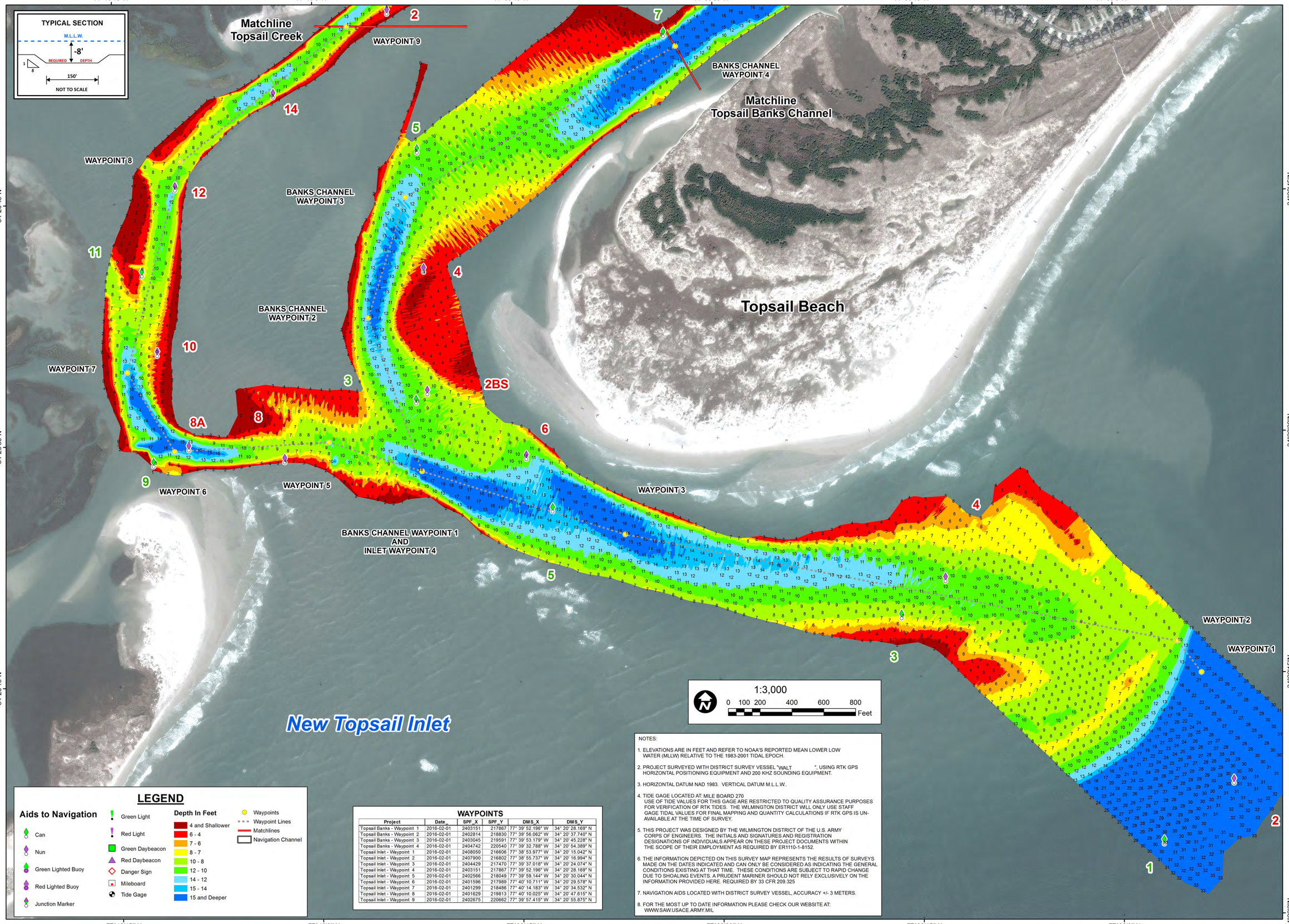


LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard
- Tide Gage

Depth In Feet

- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper

- Waypoints
- Waypoint Lines
- Matchlines
- Navigation Channel

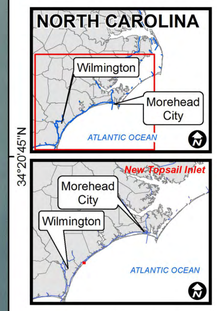
WAYPOINTS

Project	Date_	SPF_X	SPF_Y	DMS_X	DMS_Y
Topsail Banks - Waypoint 1	2016-02-01	2403151	217867	77° 39' 52.196" W	34° 20' 28.169" N
Topsail Banks - Waypoint 2	2016-02-01	2402814	218830	77° 39' 56.062" W	34° 20' 37.740" N
Topsail Banks - Waypoint 3	2016-02-01	2403045	219591	77° 39' 53.179" W	34° 20' 45.228" N
Topsail Banks - Waypoint 4	2016-02-01	2404742	220540	77° 39' 32.788" W	34° 20' 54.389" N
Topsail Inlet - Waypoint 1	2016-02-01	2408050	216606	77° 38' 53.977" W	34° 20' 15.042" N
Topsail Inlet - Waypoint 2	2016-02-01	2407900	216802	77° 38' 55.737" W	34° 20' 16.994" N
Topsail Inlet - Waypoint 3	2016-02-01	2404429	217470	77° 39' 37.018" W	34° 20' 24.074" N
Topsail Inlet - Waypoint 4	2016-02-01	2403151	217867	77° 39' 52.196" W	34° 20' 28.169" N
Topsail Inlet - Waypoint 5	2016-02-01	2402566	218049	77° 39' 59.144" W	34° 20' 30.044" N
Topsail Inlet - Waypoint 6	2016-02-01	2401596	217989	77° 40' 10.711" W	34° 20' 29.578" N
Topsail Inlet - Waypoint 7	2016-02-01	2401299	218486	77° 40' 14.183" W	34° 20' 34.532" N
Topsail Inlet - Waypoint 8	2016-02-01	2401629	219813	77° 40' 10.025" W	34° 20' 47.615" N
Topsail Inlet - Waypoint 9	2016-02-01	2402675	220662	77° 39' 57.415" W	34° 20' 55.875" N

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 "WALT ", 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: MILE BOARD 270
   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

US Army Corps of Engineers
Wilmington District



SURVEY DATE: 1-3 FEBRUARY 2016
SURVEYED BY: SRV, LMT
MAPPED: K7OPNDJM
MAP DATE: 09 FEBRUARY 2016
MAP SCALE: 1:3,000
IMAGERY DATE: OCTOBER 30, 2015
© 2015 DIGITALGLOBE NEXTVIEW LICENSE
MAP FILE NAME: IN_05_NTI_20160201.MXD

HYDROGRAPHIC SURVEY

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

New Topsail Inlet

TOPSAIL BEACH, NORTH CAROLINA