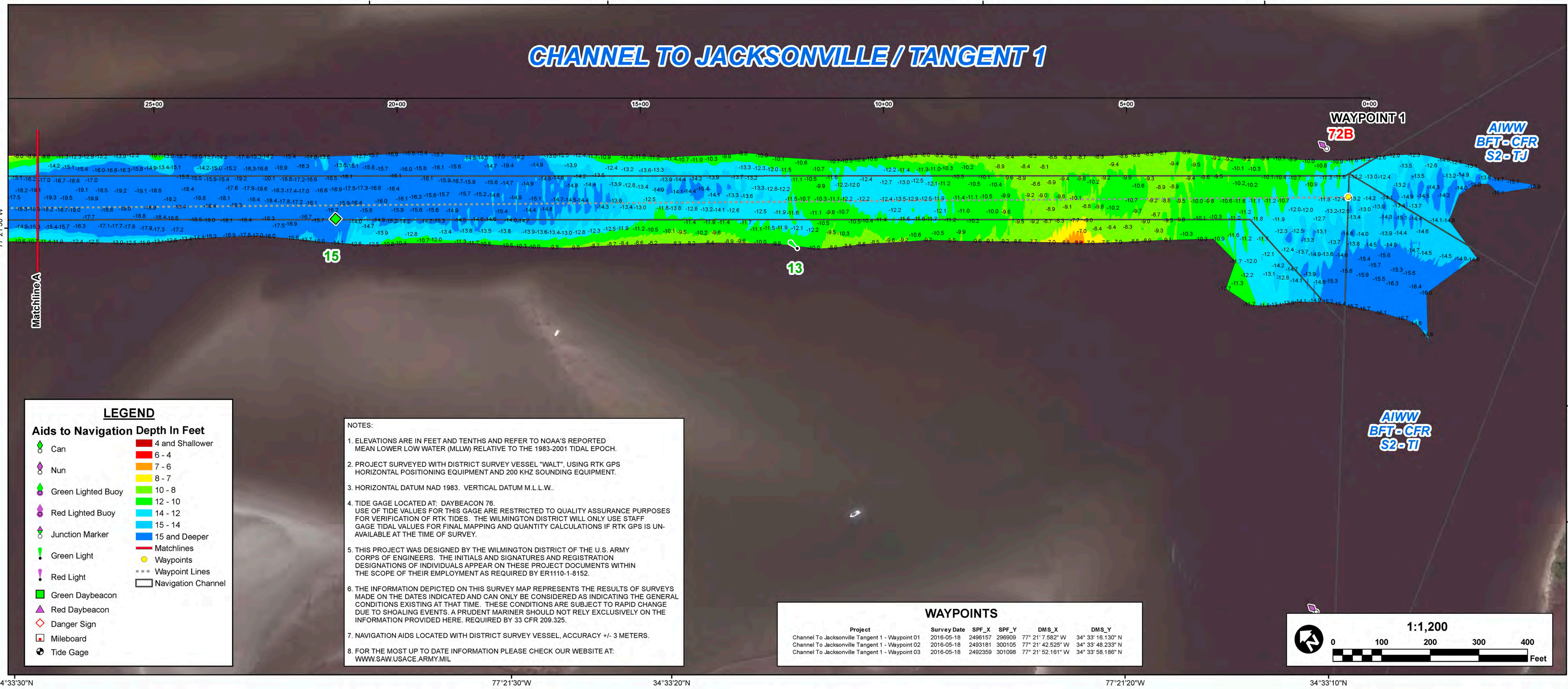


Surveyed By: MAS, LMT	Map File Name: Tan1_to_Jax_2016-05-18cs.mxd
Mapped By: DJM	
Survey Date: May 18, 2016	
Map Date: May 20, 2016	
SCALE: 1:1,200	
Imagery Date: May 14, 2016	
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Survey Date: May 18, 2016	
Map Date: May 20, 2016	
SCALE: 1:1,200	
Imagery Date: May 14, 2016	
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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

**CHANNEL TO JACKSONVILLE
TANGENT 1**
ONSLow COUNTY, NORTH CAROLINA

LEGEND

Aids to Navigation Depth In Feet

Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Matchlines	12 - 10
Green Light	14 - 12
Red Light	15 - 14
Green Daybeacon	15 and Deeper
Red Daybeacon	Waypoints
Danger Sign	Waypoint Lines
Mileboard	Navigation Channel
Tide Gage	

NOTES:

- ELEVATIONS ARE IN FEET AND TENTHS 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 DAYBEACON 76. 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

WAYPOINTS

Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
Channel to Jacksonville Tangent 1 - Waypoint 01	2016-05-18	2496157	296909	77° 21' 7.582" W	34° 33' 16.130" N
Channel to Jacksonville Tangent 1 - Waypoint 02	2016-05-18	2493181	300105	77° 21' 42.525" W	34° 33' 48.233" N
Channel to Jacksonville Tangent 1 - Waypoint 03	2016-05-18	2492359	301098	77° 21' 52.161" W	34° 33' 58.186" N

