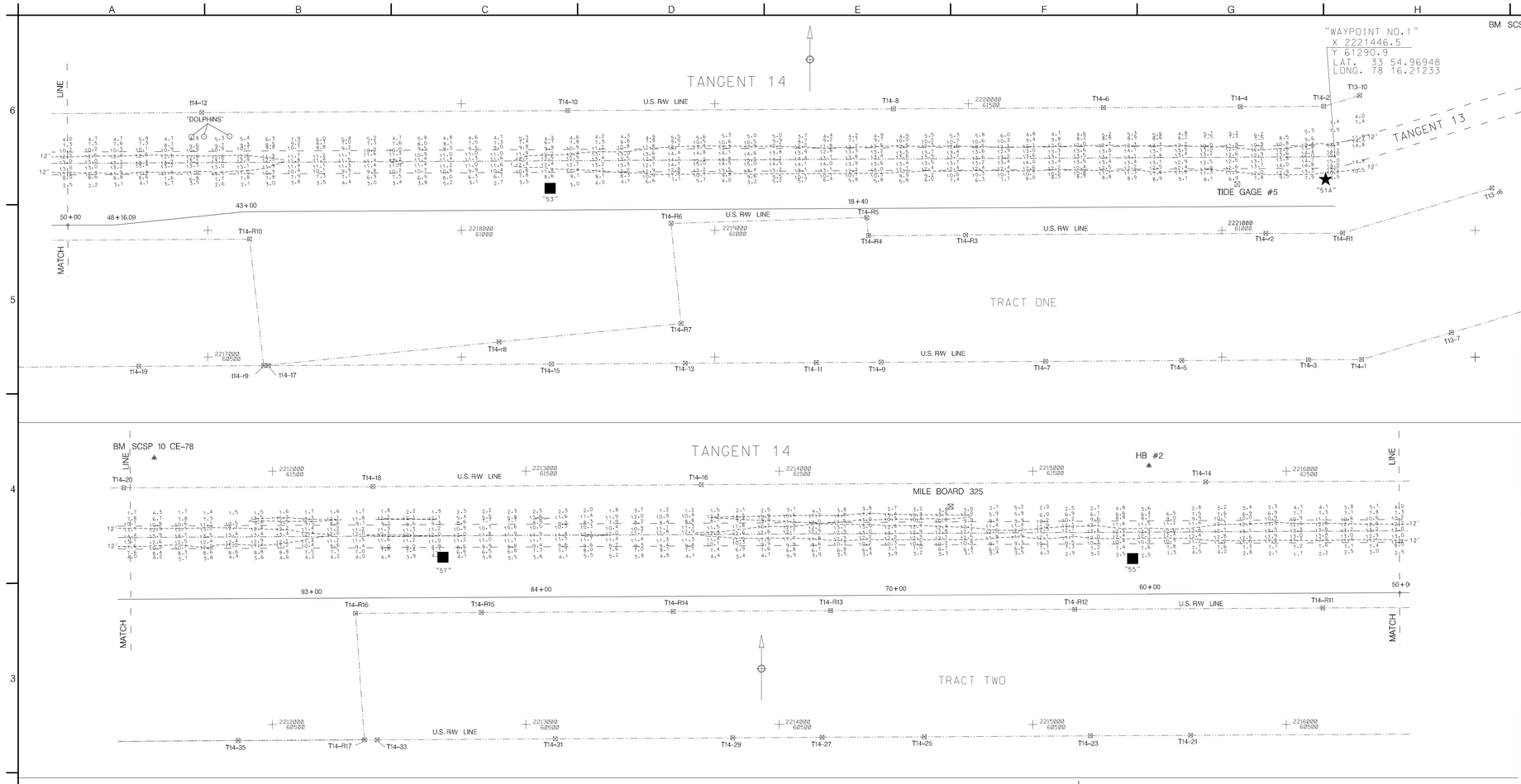
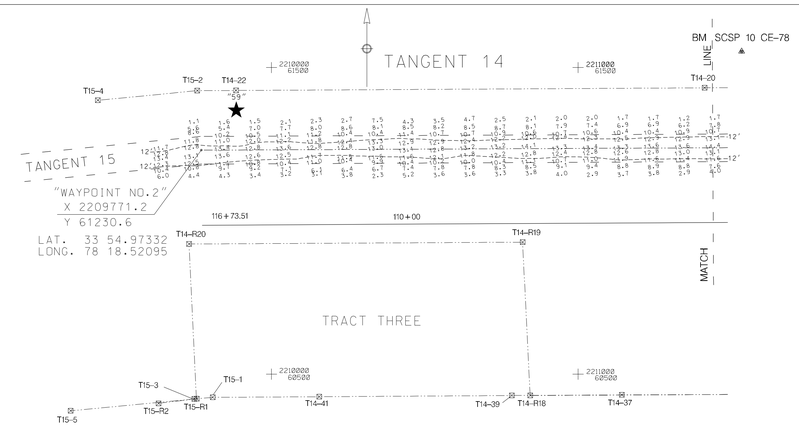


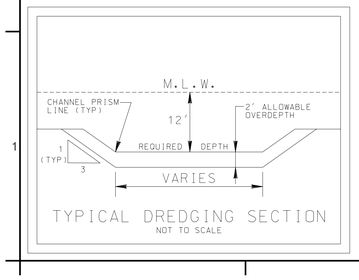


NOTES:

1. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO LOCAL M.L.W.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "J.BUTLER", USING D.G.P.S. HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. TIDE GAGE LOCATED AT: D.M. #51.
4. HORIZONTAL DATUM NAD 1983.
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. THESE WAYPOINTS, MAPS, & ASSOCIATED INFORMATION REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATE 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.
7. NAVIGATION AIDS LOCATED BY SURVEY VESSEL. ACCURACY +/- 3 METERS. LATITUDE AND LONGITUDE IS EXPRESSED IN DEGREES. DECIMAL MINUTES.

DESCRIPTION		EASTING	NORTHING	LATITUDE	LONGITUDE
DBCN	# 51A	2221410	61201	33 54.95474	78 16.21965
D.M.	# 53	2218349	61167	33 54.95279	78 16.82489
D.M.	# 55	2215393	61156	33 54.95448	78 17.40955
D.M.	# 57	2212672	61161	33 54.95855	78 17.94739
DBCN	# 59	2209886	61142	33 54.95857	78 18.49847
M.B.	# 325	2214676	61360	33 54.98895	78 17.55099

200 100 0 200 400
SCALE IN FEET



TYPICAL DREDGING SECTION
NOT TO SCALE

US Army Corps of Engineers
Wilmington District

SYMBOL	DESCRIPTION	DATE	APPROVED	SYMBOL	DESCRIPTION	DATE	APPROVED
TANGENT 14 CONTROLLING DEPTH 11'							

SURVEYED BY: M.A.S.
DRAWN BY: J.D.S.
CHECKED BY:
DATES: 24 JULY 2008
APPROVED BY: Rick Butler
CHIEF, NAV. OPERATIONS BRANCH
A1AW CFR-LR 105-08-18
SUBMIT DATES
16 JULY 2008
FILE NAME: T14_0716.DGN
PLOT SCALES: 1:2400

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

CONDITION SURVEY

ATLANTIC INTRACOASTAL WATERWAY
NORFOLK, VA. AND THE ST. JOHNS RIVER, FLA. (WILMINGTON DISTRICT)
BETWEEN
CAPE FEAR RIVER - LITTLE RIVER, S.C.

TANGENT 14

PLATE NUMBER

SHEET OF

.../CFRLR/2008/T-14/t14_0716.dgn 7/25/2008 9:30:15 AM