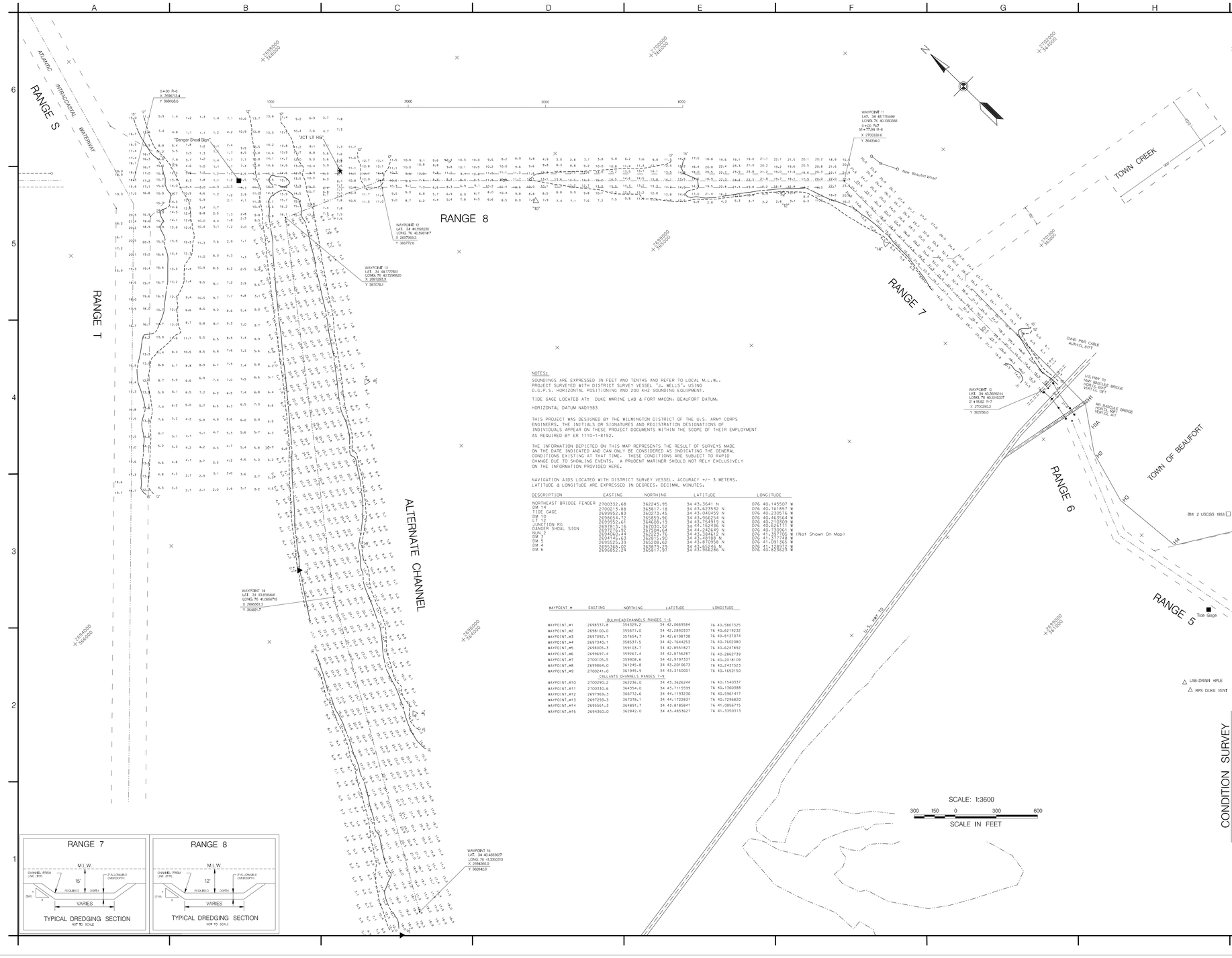

NOTES:1
SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO LOCAL M.L.W..
PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "J. WELLS". USING D.G.P.S. HORIZONTAL POSITIONING AND 200 KHZ SOUNDING EQUIPMENT.

TIDE GAGE LOCATED AT: DUKE MARINE LAB & FORT MACON, BEAUFORT DATUM.

HORIZONTAL DATUM NAD1983

THIS PROJECT WAS DESIGNED BY THE WILMINGTON DISTRICT OF THE U.S. ARMY CORPS ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 110-1-8152.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULT 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.

NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL. ACCURACY +/- 3 METERS.
LATITUDE & LONGITUDE ARE EXPRESSED IN DEGREES. DECIMAL MINUTES.

DESCRIPTION	EASTING	NORTHING	LATITUDE	LONGITUDE
NORTHEAST BRIDGE FENDER	2700332.68	362245.95	34 43.3641 N	076 40.145507 W
DM 14	2700213.88	363817.18	34 43.623532 N	076 40.161857 W
TIDE GAGE	2699952.83	360273.45	34 43.040459 N	076 40.230576 W
DM 10	2698654.72	365859.96	34 43.966254 N	076 40.463564 W
LT 12	2699952.61	364608.19	34 43.754919 N	076 40.210309 W
JUNCTION RG.	2697813.16	367030.52	34 44.162436 N	076 40.626111 W
DANGER SHOAL SIGN	2697276.92	367504.64	34 44.242649 N	076 40.730961 W
NUN 2	2694060.44	362223.76	34 43.384612 N	076 41.397705 W (Not Shown On Map)
DM 1	2694146.63	362815.90	34 43.48188 N	076 41.377748 W
DM 3	2695525.39	365208.62	34 43.870958 N	076 41.091365 W
DM 4	2695269.50	363879.57	34 43.582584 N	076 41.142215 W
DM 6	2696852.24	365817.57	34 43.906286 N	076 41.029325 W

WAYPOINT #	EASTING	NORTHING	LATITUDE	LONGITUDE
BULKHEAD CHANNELS RANGES 1-6				
WAYPOINT_#1	2698337.8	354329.2	34 42.0669584	76 40.5807325
WAYPOINT_#2	2698100.0	355671.0	34 42.2890337	76 40.6219232
WAYPOINT_#3	2697092.7	357654.7	34 42.6198738	76 40.8137074
WAYPOINT_#4	2697340.1	358537.5	34 42.7644253	76 40.7602080
WAYPOINT_#5	2698005.3	359103.7	34 42.8551827	76 40.6247892
WAYPOINT_#6	2699697.4	359367.4	34 42.8756287	76 40.2862739
WAYPOINT_#7	2700105.5	359908.6	34 42.9797337	76 40.2018109
WAYPOINT_#8	2699844.0	361245.8	34 43.2010673	76 40.2437523
WAYPOINT_#9	2700241.0	361945.9	34 43.3150001	76 40.1652150
GALLANTS CHANNELS RANGES 7-9				
WAYPOINT_#10	2700280.2	362236.0	34 43.3626244	76 40.1540337
WAYPOINT_#11	2700330.6	364354.0	34 43.7115599	76 40.1360388
WAYPOINT_#12	2697969.3	366772.6	34 44.1193230	76 40.5961417
WAYPOINT_#13	2697283.3	367078.1	34 44.1722831	76 40.7296820
WAYPOINT_#14	2695561.3	364891.7	34 43.8185841	76 41.0856715
WAYPOINT_#15	2694360.0	362842.0	34 43.4853627	76 41.3350313

US Army Corps of Engineers
Wilmington District

SYMBOL	DESCRIPTION	DATE	APPROVED	SYMBOL	DESCRIPTION	DATE	APPROVED

CONTOURING EQTPN = 20'

DRAWN BY: RWA
DESIGNED BY: RWA
CHECKED BY: LVM
DATE: 4 NOV 2008
APPROVED BY: [signature]
CHIEF, ENGINEERING DIVISION
USACE FILE NO. 2008-01-0023
SURVEY DATE: 28, 29, 30 OCTOBER 2008
FILE NAME: GAL_1030.DGN
PLOT SCALE: 1:3600

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

CONDITION SURVEY

BEAUFORT HARBOR, NORTH CAROLINA

GALLANTS CHANNEL RANGES 7 & 8 & ALTERNATE CHANNEL

PLATE NUMBER

SHEET OF

.../10_30_Condition/gal_1030.dgn 11/6/2008 9:34:41 AM