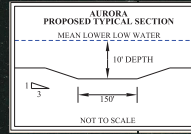


DATUM : STATE PLANE NAD-83/2011
GRID8 = NC-2280 NORTH CAROLINA
ZONE = NC-2280 NORTH CAROLINA
DISTANCE UNIT = US SURVEY FOOT
DEPTH UNIT = US SURVEY FOOT
ELLIPSOID = WGS84
GEOD MODEL = G2012b CONUS
V DATUM = NAD83/2011 MLLW



NOTES:

PROJECT SURVEYED WITH THE NCDOT LOCATION AND SURVEYS SONAR VESSEL USING VRS AND GNSS EQUIPMENT UTILIZING THE NC GNSS RTN, APPLANIX POS/MV IMU AND EDGETECH 620SS SOUNDING EQUIPMENT.

DATA SHOWN ON THIS MAP REPRESENTS THE RESULT OF THE SURVEYS MADE ON THE DATES INDICATED AND REPRESENT CONDITIONS EXISTING AT THAT TIME.

ANY AREAS INSIDE DESIGN CHANNEL WITH NO SURVEY DATA ARE TOO SHALLOW FOR SURVEY BOAT ACCESS.

THIS SURVEY FALLS UNDER NCBELS HYDROGRAPHIC SURVEYS POLICY BP-1110-1 AND MEETS THE DEFINITION OF LAND SURVEYING UNDER G.S. 89C-37(a)(4), AND WAS PERFORMED BY, OR UNDER THE RESPONSIBLE CHARGE OF A PROFESSIONAL LAND SURVEYOR PER BOARD RULE 21-56.0701(c)(3).

** VOLUME CALCULATIONS DO NOT TAKE INTO ACCOUNT NORMAL TIDAL OR WEATHER EVENT LOSS / GAIN BETWEEN SURVEYS. THE VOLUMES LISTED ARE COMPARATIVE BETWEEN EACH INDIVIDUAL SURVEY DATE.

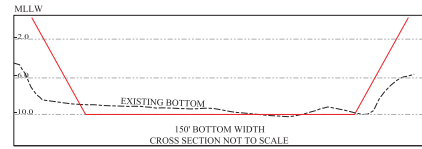
DEPTHS IN FEET
MLLW



NAVIGATION AIDS



VOLUME TO BE REMOVED FROM MARCH 17, 2025 SURVEY TO MEET CHANNEL DESIGN = 25,472 CU YDS **



ALL DEPTHS ARE MEAN LOWER LOW WATER

NAVIGATION AIDS 2024-04-04
LOCATION +/- 15R

Type & Number	Latitude	Longitude	NC SPC 8/3/2011
NUN	35.38034685 N	76.74710037 W	N 600973. E 2671467.
DAY BEACON	35.38083628 N	76.74618870 W	N 601157. E 2671735.

WAYPOINTS ALONG BASIN AND
BOTTOM OF 150' CHANNEL 2015-03-31

Waypoint	Latitude	Longitude	NC SPC 8/3/2011
E01	35.382034085 N	76.745828068 W	N 601595.9666 E 2671832.8663
E02	35.378504388 N	76.747472642 W	N 600000.5205 E 2671371.9492
E03	35.378061065 N	76.747230345 W	N 600140.8512 E 2671447.8155
E04	35.377034240 N	76.747708740 W	N 599763.9941 E 2671313.7305

DESIGN CENTERLINE ALIGNMENT 04-01-2015

Station	Latitude	Longitude	NC SPC 8/3/2011
10+00	35.382107552 N	76.746603156 W	N 601621.1075 E 2671762.2056
29+00	35.377230142 N	76.748335609 W	N 599831.0366 E 2671125.3020

POST-DREDGE CONDITIONS
AURORA
CHANNEL AND BASIN

SURVEY DATE
MARCH 17, 2025

Map Produced By NCDOT, Location & Surveys

North Carolina Dept of Transportation
Location & Surveys Unit
1020 Birch Ridge Drive
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STATE LICENSED PROFESSIONAL SURVEYOR
REGIONAL LOCATION & SURVEYS ENGINEER
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REGIONAL LOCATION & SURVEYS ENGINEER
KEVIN R. BARRETT (L-4236) P.E., P.S.
SONAR OPERATIONS ENGINEER

DATES OF SURVEY:
MARCH 17, 2025

SURVEYED BY :
MOR, TIK

MAPPED BY :
MOJ

FILE NAME:
AURORA_C_SONAR_250317.PDF

