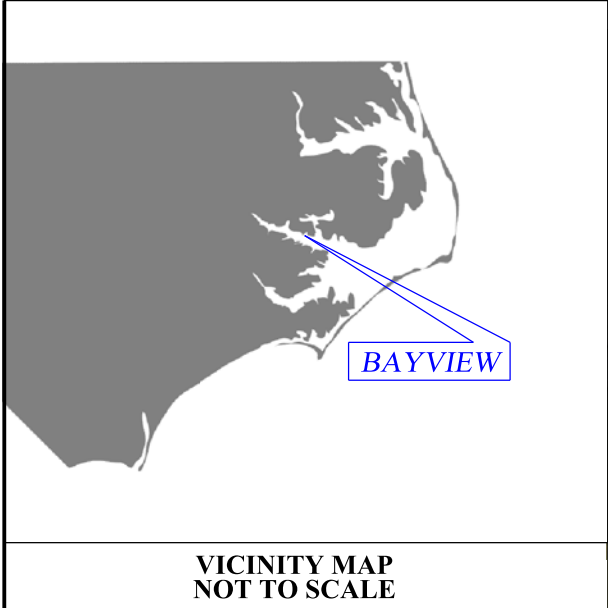




NOTES:

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 6205S SOUNDING EQUIPMENT.

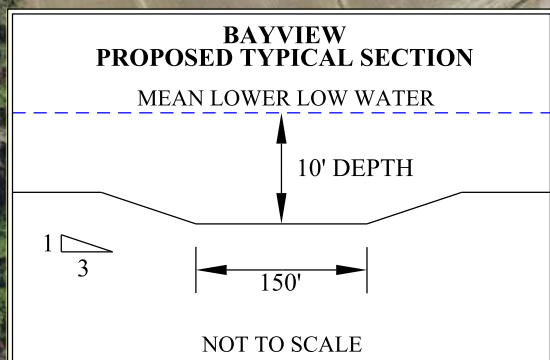
THE DEPTH SCALES SHOWN ON THIS MAP ARE ACCURATE FOR THE DATE OF THAT SURVEY ONLY AND SHOULD NOT BE DEPENDED ON FOR ACCURACY AFTER THAT DATE.

AREAS INSIDE CHANNEL DESIGN LIMITS WITH NO SURVEY DATA SHOWN ARE TOO SHALLOW FOR SURVEY VESSEL TO ACCESS.

THIS MAP IS NOT INTENDED IN ANYWAY FOR NAVIGATIONAL PURPOSES, BUT TO LOCATE SHOALING AREA IN RELATION TO EXISTING CHANNEL.

CHANNEL MARKERS WERE LOCATED ON MARCH 31, 2015 (+/- 30 SFT).

THIS SURVEY FALLS UNDER NCBELS HYDROGRAPHIC SURVEYS POLICY BP-1110-1 AND MEETS THE DEFINITION OF LAND SURVEYING UNDER G.S. 89C-3(7)(a)(5). AND WAS PERFORMED BY, OR UNDER THE RESPONSIBLE CHARGE OF A PROFESSIONAL LAND SURVEYOR PER BOARD RULE 21-56.0701(c)(3).



DATUM :
GRIDS = STATE PLANE NAD-83/2011
ZONE = NC-3200 NORTH CAROLINA
DISTANCE UNIT = US SURVEY FOOT
DEPTH UNIT = US SURVEY FOOT
ELLIPSOID = WGS84
GEOID MODEL = G2012b CONUS
V DATUM = NMCinner11_8301 MLLW

DEPTHS IN FEET
MLLW



NAVIGATION AIDS

- CAN
- NUN
- GREEN LIGHTED BUOY
- RED LIGHTED BUOY
- JUNCTION MARKER
- GREEN LIGHT
- RED LIGHT
- GREEN DAY BEACON
- RED DAY BEACON
- INFLATABLE BUOY
- WAYPOINT
- DANGER SIGN
- MILEBOARD
- TIDE GAUGE
- MATCH LINE

WAYPOINTS ALONG BOTTOM OF 150' CHANNEL & BASIN 04-01-2015

Waypoint	Latitude	Longitude	NC SPC 83/2011
N01	35.42252256 N	76.733078463 W	N 616414.59 E 2675295.61
N02	35.424428933 N	76.740591849 W	N 617057.33 E 2673042.04
N03	35.427006505 N	76.740522491 W	N 617995.69 E 2673041.34
N04	35.427004022 N	76.740102926 W	N 617997.63 E 2673166.32
N05	35.428102782 N	76.740073353 W	N 618397.63 E 2673166.02

DESIGN CENTERLINE ALIGNMENT 04-01-2015

Station	Latitude	Longitude	NC SPC 83/2011
10+00.00	35.422325433 N	76.733153021 W	N 616342.46 E 2675275.04
34+00.00	35.424278115 N	76.740847722 W	N 617000.72 E 2672967.08
47+93.80	35.428106753 N	76.740744710 W	N 618394.52 E 2672966.05

NAVIGATION AIDS 03-31-2015

Number	Latitude	Longitude	NC SPC 83/2011
#1	35.421898720 N	76.733130109 W	N 616187. E 2675285.
NO NUM1	35.422709728 N	76.736525295 W	N 616459. E 2674267.
#2	35.424015884 N	76.741119273 W	N 616903. E 2672888.
NO NUM2	35.426151908 N	76.741113364 W	N 617680. E 2672872.
NO NUM3	35.423462938 N	76.736173333 W	N 616735. E 2674366.
NO NUM4	35.424336876 N	76.739726964 W	N 617029. E 2673300.
#4	35.426094093 N	76.740481481 W	N 617663. E 2673061.

WAYPOINTS OUTSIDE OF DESIGN CHANNEL 02-04-2025

Waypoint	Latitude	Longitude	NC SPC 83/2011
OUTSIDE 1	35.41902143 N	76.73133908 W	N 615152.61 E 2675842.79
OUTSIDE 2	35.42203087 N	76.73242535 W	N 616240.24 E 2675494.23
SHOAL 1	35.42221942 N	76.73220010 W	N 616310.38 E 2675559.75
SHOAL 2	35.42156658 N	76.73183335 W	N 616075.33 E 2675674.41

ALL DEPTHS ARE MEAN LOWER LOW WATER (MLLW)

LOCATION OF SHOALING AREA CAN ONLY BE CONSIDERED ACCURATE FOR THE DATE OF SURVEY.

THIS SURVEY DOES NOT TAKE INTO ACCOUNT STORM, TIDAL, OR ANY OTHER NATURAL OR MAN MADE CHANGES AFTER THE DATE OF SURVEY.

EXISTING CONDITIONS

BAYVIEW FERRY
BASIN & CHANNEL

SURVEY DATE
FEBRUARY 4, 2025

Map Produced By NCDOT, Location & Surveys

North Carolina Dept of Transportation
Location & Surveys Unit
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REGIONAL LOCATION & SURVEYS ENGINEER
KEVIN R. BAREFOOT, PLS
SONAR OPERATIONS ENGINEER

DATES OF SURVEY:
FEBRUARY 4, 2025

SURVEYED BY:
MQH, TJK

MAPPED BY:
KRB

FILE NAME :
BAYVIEW_LS_SONAR_250204.PDF

