

Report Notes

Report Title: 2021 Town of Duck Topographic and Hydrographic Data Acquisition Report

Prepared Date: June 2021

Prepared For: Coastal Protection Engineering of North Carolina, Inc.

Prepared By: Aptim Environmental & Infrastructure, LLC

Dates of Survey: April 22, 2021 through April 30, 2021

Survey Location: Town of Duck D-01 through D-34

Notes:

1. The survey is neither valid nor complete without both the report and described survey maps. Digital data files encompassing the following have also been provided in the following formats listed.
 - *Monument Information Report (Appendix 1)*
 - *ASCII file (profile xyz data. Digital only) (Appendix 2)*
 - *Profile Plots (Appendix 3)*
 - *Ground Digital Photography (Appendix 4)*
 - *Project field books (Digital Only) (Appendix 5)*
2. The information on this map represents the results of the survey on the dates indicated and can only be considered as indicating the general conditions existing at the time.
3. The coordinates shown are in US survey feet based on the vertical and horizontal data that was collected and presented relative to the North American Vertical Datum of 1988 (NAVD88) and the North Carolina State Plane Coordinate System, North American Datum of 1983(2011) (NAD 83(2011)).
4. Vertical measurements are based on second order monuments KITTY, ARCH, CAFFEY, and Y254 per published NGS coordinates.

5. Bearings are based on a bearing of South 24° 10' 46" East between NGS second order monuments KITTY and CAFFEY per published NGS coordinates.
6. Underground and subaqueous improvements and/or utilities were not located as part of this survey and should be field verified prior to any dredging or construction activities.
7. Refer to APTIM field book No. 520 and NC field book No. 252 for swims and the onshore portion, and navigation book No. 58 for the offshore portion.
8. Aids to navigation were not located during this survey.
9. Soundings were collected using an Odom Hydrotrac II, Single Frequency, survey grade sounder. The sounder was calibrated prior to the start of the survey following manufacturers recommended procedures.
10. This survey was conducted for the town of Duck for use as a topographic and hydrographic survey.