

W00642

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Service

DESCRIPTIVE REPORT

Type of Survey: Basic Hydrographic Survey

Registry Number: W00642

LOCALITY

State(s): South Carolina

General Locality: North Edisto River

Sub-locality: North Edisto River

2022

CHIEF OF PARTY
Thomas Beason

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

W00642

INSTRUCTIONS: The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

State(s): **South Carolina**

General Locality: **North Edisto River**

Sub-Locality: **North Edisto River**

Scale: **20000**

Dates of Survey: **04/11/2022 to 06/28/2022**

Instructions Dated: **09/19/2022**

Project Number: **ESD-PHB-22**

Field Unit: **Bottom Line Echo Company**

Chief of Party: **Thomas Beason**

Soundings by: **Knudsen Engineering 1612 (SBES)**

Imagery by: **N/A**

Verification by: **Pacific Hydrographic Branch**

Soundings Acquired in: **meters at Mean Lower Low Water**

Remarks:

Any revisions to the Descriptive Report (DR) applied during office processing are shown in red italic text. The DR is maintained as a field unit product, therefore all information and recommendations within this report are considered preliminary unless otherwise noted. The final disposition of survey data is represented in the NOAA nautical chart products. All pertinent records for this survey are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via <https://www.ncei.noaa.gov/>. Products created during office processing were generated in NAD83 UTM 17N, MLLW. All references to other horizontal or vertical datums in this report are applicable to the processed hydrographic data provided by the field unit.

DESCRIPTIVE REPORT MEMO

September 22, 2022

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: Report prepared by PHB on behalf of field unit
Thomas Beason
Operations Manager, Bottom Line Echo Company

SUBJECT: Submission of Survey W00642

Stevens Towing sponsored a hydrographic survey of the North Edisto River in South Carolina on account of a new large yacht lift that has been put in place. The company wants to provide high quality data and charts to potential customers accessing their facility.

The processed sonar data are provided as an American Standard Code for Information Interchange (ASCII) x,y,z point data file.

All soundings were reduced to Mean Lower Low Water using VDatum. The horizontal datum for this project is North American Datum of 1983 (NAD 83). The projection used for this project is Universal Transverse Mercator (UTM) Zone 17.

The original XYZ data was provided in NAD83 State Plane South Carolina 3900 in feet horizontal coordinate system and MLLW in feet vertical datum. VDatum was used to shift the XYZ files to NAD83 UTM17 and MLLW in meters. The shifted XYZ files were then imported into CARIS Base Editor 5.5 as point clouds, which were then imported as a 4 meter grid according to the HSSD single beam grid resolution standards.

All survey systems utilized during this survey were as described in the 'Survey Log' submitted with the survey data.

All data were reviewed for DTONs and none were identified in this survey.

Bottom Line Echo Company acquired the data outlined in this report. Additional documentation from the data provider may be attached to this report.

This survey does meet charting specifications and is adequate to supersede prior data.