

W00706

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

DESCRIPTIVE REPORT

Type of Survey: Basic Hydrographic Survey

Registry Number: W00706

LOCALITY

State(s): Delaware

General Locality: Laurel

Sub-locality: Broad Creek

2023

CHIEF OF PARTY
Anna Smith

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

W00706

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): **Delaware**

General Locality: **Laurel**

Sub-Locality: **Broad Creek**

Scale: **20000**

Dates of Survey: **11/23/2022 to 11/23/2022**

Instructions Dated: **N/A**

Project Number: **ESD-AHB-23**

Field Unit: **Not specified**

Chief of Party: **Anna Smith**

Soundings by: **N/A**

Imagery by: **N/A**

Verification by: **Atlantic 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 18N, 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

April 10, 2024

MEMORANDUM FOR: Atlantic Hydrographic Branch

FROM: Report prepared by AHB on behalf of field unit
Anna Smith
Environmental Specialist, Delaware Department of Transportation

SUBJECT: Submission of Survey W00706

The data collected were part of a post construction survey for Bridge 3-162 over Broad Creek in Laurel, Sussex County, Delaware.

Survey products were created by the Atlantic Hydrographic Branch.

All soundings were reduced to Mean Lower Low Water using Constant Separation. 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 18.

Due to lack of supporting metadata beyond horizontal and vertical datums and depth units, there is no information about survey equipment, calibration or methods. This data was also submitted in NAVD88 and is in an area not covered by Vdatum, so the data has been corrected to MLLW using a single tide guage (Bishops Head, MD - 8571421) that is over 50 miles away.

This survey does not include a data acquisition and processing report.

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

Delaware Department of Transportation acquired the data outlined in this report. Additional documentation from the data provider may be attached to this report.

The current M_QUAL for this area is CATZOC D, therefore this data with a new CATZOC equal to C should supersede the charted data/information in the common area.

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