

W00735

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

DESCRIPTIVE REPORT

Type of Survey: Basic Hydrographic Survey

Registry Number: W00735

LOCALITY

State(s): New York

General Locality: Manhattan

Sub-locality: Manhattan Cruise Terminal

2023

CHIEF OF PARTY
Scott Anastasio

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

W00735

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): **New York**

General Locality: **Manhattan**

Sub-Locality: **Manhattan Cruise Terminal**

Scale: **5000**

Dates of Survey: **10/02/2023 to 10/26/2023**

Instructions Dated: **N/A**

Project Number: **ESD-AHB-24**

Field Unit: **COWI Consulting, Inc.**

Chief of Party: **Scott Anastasio**

Soundings by: **Unknown Unknown (MBES)**

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 18, 2023

MEMORANDUM FOR: Atlantic Hydrographic Branch

FROM: Report prepared by AHB on behalf of field unit
Scott Anastasio
Associate Project Director, COWI Consulting, Inc.

SUBJECT: Submission of Survey W00735

This survey was a post dredge examination of the Manhattan Cruise Terminal located in the lower Hudson River of New York City, NY.

Survey products were created by the Atlantic Hydrographic Branch with the following final deliverables for MCD and NCEI Archival created during the HDR:
Survey outline, MLLW BAG, and a GeoImage PDF.

Data was provided as an XYZ file in horizontal coordinate system NAD83 State Plane NY L 3104 (usFt) and vertical datum MLLW (usFt). VDatum 4.6 was used to transform to NAD83 UTM 18 (meters) and MLLW (meters) and change sign of Z values from negative to positive. The resulting transformed XYZ file was used as an input to create a point cloud csar file in Caris Base Editor 5.5. The point cloud was checked for fliers and then used to create a 1 meter csar grid, which was then exported to the final grid deliverable in BAG format.

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 19.

This survey does not include a data acquisition and processing report (DAPR) to describe the survey systems and methods utilized during this survey.

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

COWI Consulting, Inc. 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. This survey will be used to update NOAA navigational products.