

W00670

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

DESCRIPTIVE REPORT

Type of Survey: Basic Hydrographic Survey

Registry Number: W00670

LOCALITY

State(s): Rhode Island

General Locality: Rhode Island Sound

Sub-locality: Orsted South Fork Wind Farm

2020

CHIEF OF PARTY
Chief of Party, MMT AB, contractor for Orsted

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

W00670

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): **Rhode Island**

General Locality: **Rhode Island Sound**

Sub-Locality: **Orsted South Fork Wind Farm**

Scale: **20000**

Dates of Survey: **05/26/2020 to 08/31/2020**

Instructions Dated: **N/A**

Project Number: **ESD-AHB-22**

Field Unit: **Orsted**

Chief of Party: **Chief of Party, MMT AB, contractor for Orsted**

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 19N, 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

July 07, 2023

MEMORANDUM FOR: Atlantic Hydrographic Branch

FROM: Report prepared by AHB on behalf of field unit
Chief of Party
Chief of Party, MMT AB, contractor for Orsted

SUBJECT: Submission of Survey W00670

MMT AB were contracted by Orsted to conduct a geophysical survey on the lease area OCS-A 0486 in support of the South Fork Wind Farm (SFW01) site investigations.

The SFW01 Site Area is located approximately 31 kilometres (km) southeast of Block Island, Rhode Island in Rhode Island Sound on the Atlantic Outer Continental Shelf (OCS).

A 20cm resolution, tiled average gridded digital terrain model of the bathymetry in the survey area is provided.

Integrate post-processed navigation (SBET) with MBES. Apply tidal correction to MLLW and apply sound velocity corrections. Verify that DTM surface meets Orsted standards in vertical and horizontal alignment. Clean data and verify that outliers have been rejected in line with Orsted standards, export average 20cm surface DTM.

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.

No Data Acquisition and Processing Report provided by the field unit.

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

MMT AB, contractor for Orsted 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.