

**W00672**

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

**DESCRIPTIVE REPORT**

Type of Survey: Basic Hydrographic Survey

Registry Number: W00672

**LOCALITY**

State(s): Massachusetts

General Locality: Martha's Vineyard

Sub-locality: Orsted Sunrise Wind Farm

**2020**

CHIEF OF PARTY  
Gardline Limited, contractor for Orsted

LIBRARY & ARCHIVES

Date:

**HYDROGRAPHIC TITLE SHEET**

**W00672**

**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): **Massachusetts**

General Locality: **Martha's Vineyard**

Sub-Locality: **Orsted Sunrise Wind Farm**

Scale: **40000**

Dates of Survey: **06/27/2020 to 02/06/2021**

Instructions Dated: **N/A**

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

Field Unit: **Orsted**

Chief of Party: **Gardline Limited, 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

June 23, 2023

**MEMORANDUM FOR:** Atlantic Hydrographic Branch

**FROM:** Report prepared by AHB on behalf of field unit  
Chief of Party  
Chief of Party, Gardline Limited , contractor for Orsted

**SUBJECT:** Submission of Survey W00672

SRW01 Survey Details: The SRW01 Site Area is located approximately 31 kilometres (km) south of Martha's Vineyard, Massachusetts on the Atlantic Outer Continental Shelf (OCS).

Gardline Limited were contracted by Orsted to conduct a geophysical survey on the lease area OCS-A 0487 in support of the Sunrise Wind Farm (SRW01) site investigations. Gardline Limited were contracted by Orsted to conduct a geophysical survey on the lease area OCS-A 0487 in support of the Sunrise Wind Farm (SRW01) site investigations.

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 50cm surface DTM. A 50cm resolution, tiled average gridded digital terrain model of the bathymetry in the survey area is provided.

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 submitted.

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

Gardline Limited, 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.