



# **Awel y Môr Offshore Wind Farm**

## **Category 6: Environmental Statement**

### **Volume 4, Annex 2.4: Seafloor and Shallow Geological Results (Array) (Part 7)**

**Date: April 2022**

**Revision: A**

Application Reference: 6.4.2.4.7

Pursuant to: APFP Regulation 5(2)(a)



| REVISION | DATE          | STATUS/<br>REASON<br>FOR ISSUE | AUTHOR: | CHECKED<br>BY: | APPROVED<br>BY: |
|----------|---------------|--------------------------------|---------|----------------|-----------------|
| A        | March<br>2022 | ES                             | Fugro   | RWE            | RWE             |
|          |               |                                |         |                |                 |
|          |               |                                |         |                |                 |
|          |               |                                |         |                |                 |

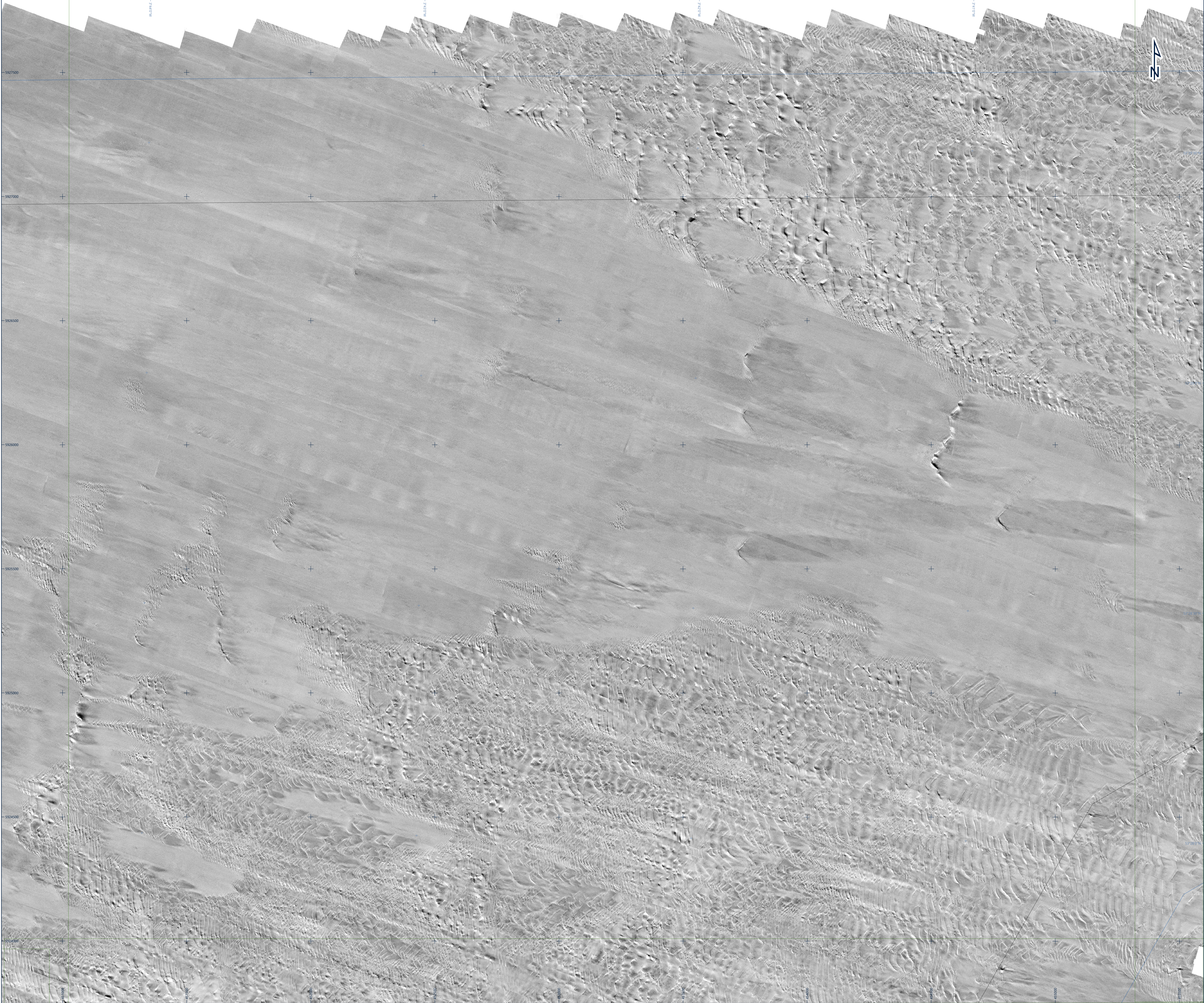
[www.awelymor.cymru](http://www.awelymor.cymru)

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- Legend
- UTM Grid
  - Geographical Grid
  - Chart Extent
  - Wind Farm Extent
  - Array Survey Extent
  - Export Cable Route Survey Extent

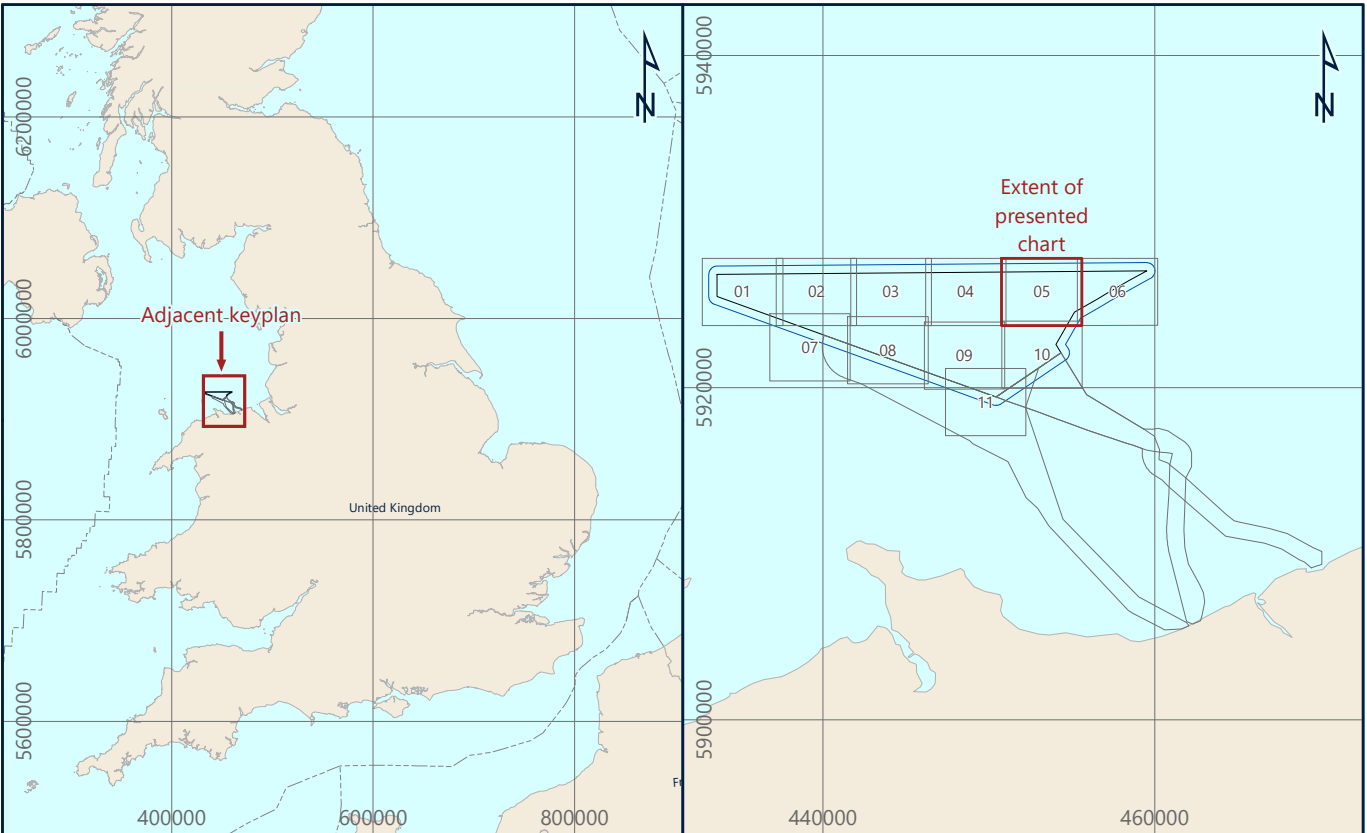
Notes

1) Side scan sonar mosaic created from Edgetech 4205 simultaneous bi-frequency (230 / 540 / 850 kHz), processed with a 0.1 m cell size.

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Geodetic Parameters

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| Geodetic datum        | World Geodetic System 1984                                                                     |
| Ellipsoid             | WGS84                                                                                          |
| Semi-Major Axis       | 6,378,137.000 m                                                                                |
| Inverse Flattening    | 298.257223563                                                                                  |
| Projection            | WGS84 / UTM Zone 30N (EPSG: 32630)                                                             |
| Central Meridian (CM) | 03°00'00" W                                                                                    |
| Latitude of Origin    | 07°00'00" N                                                                                    |
| Fake Easting          | 500,000 mE                                                                                     |
| Fake Northing         | 0 mN                                                                                           |
| Scale Factor at CM    | 0.9996                                                                                         |
| Vertical datum        | Lowest Astronomical Tide (LAT) - calculated using the Vertical Offshore Reference Frame (VORF) |



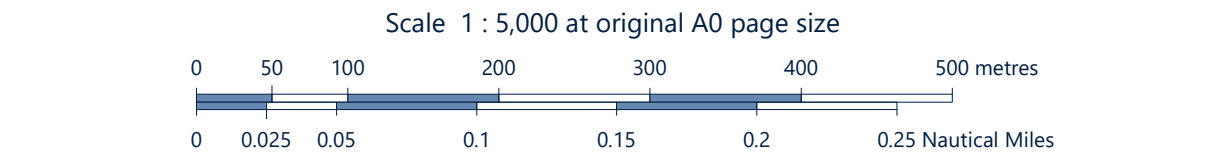
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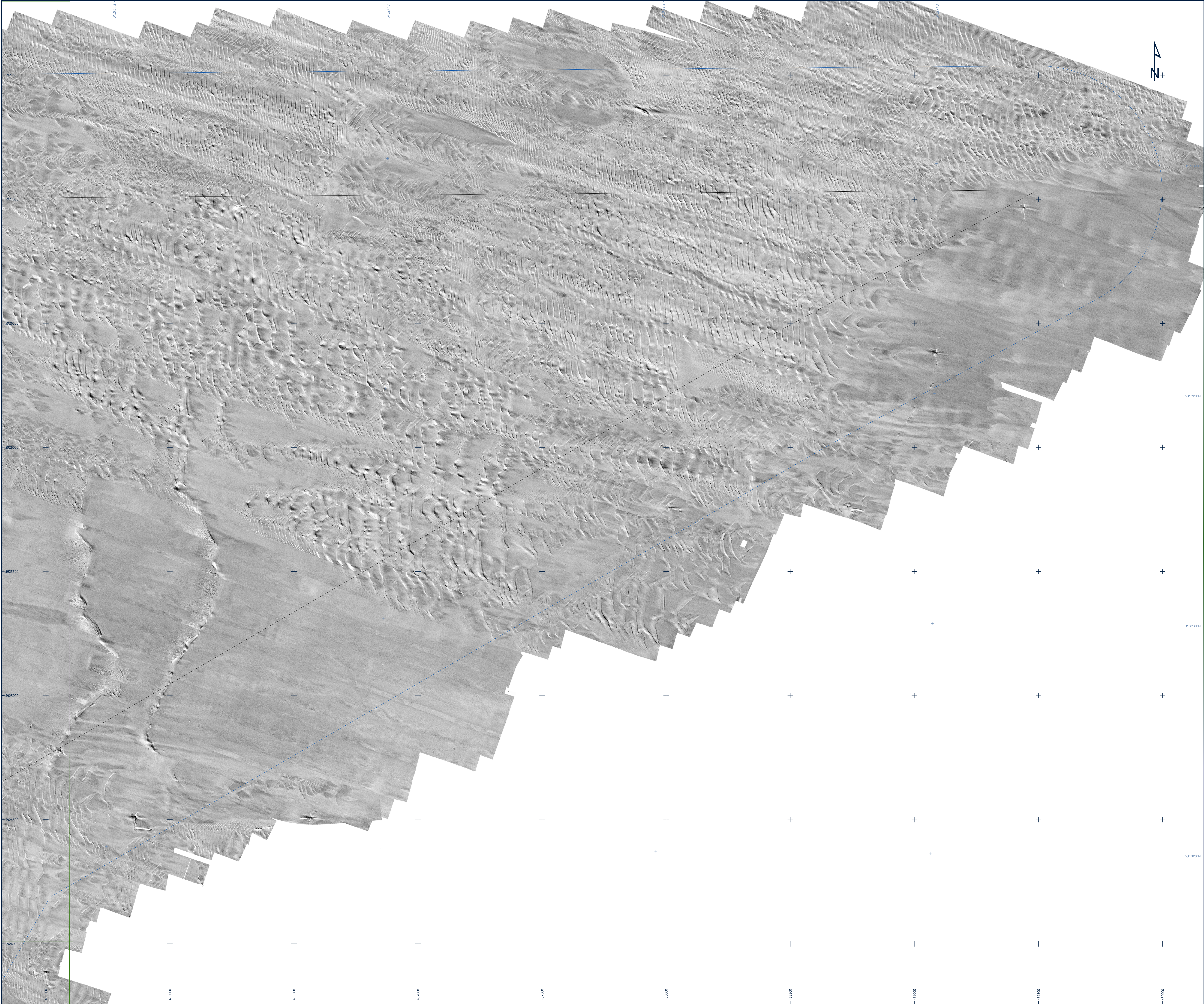
SIDE SCAN SONAR MOSAIC  
AWEL Y MÔR OFFSHORE WIND FARM  
GEOPHYSICAL SURVEY 2020  
UK IRISH SEA



| Issue | Date             | Status                     | Interpreted | Prepared | Checked | Approved |
|-------|------------------|----------------------------|-------------|----------|---------|----------|
| 01    | 07 October 2020  | Draft Issue - Revision 1   | OOT         | DS       | SB      | BPT      |
| 02    | 01 December 2020 | Final Issue - Revision 2   | OOT         | DS       | SB      | BPT      |
| 03    | 04 February 2021 | Final Release - Revision 3 | OOT         | DS       | SB      | BPT      |
| -     | -                | -                          | -           | -        | -       | -        |

|                                     |                |                           |
|-------------------------------------|----------------|---------------------------|
| Fugro Project No.                   | Vessel(s)      | Survey Date               |
| 200655                              | Fugro Mercator | 10 June to 11 August 2020 |
| File Name                           |                | Chart No.                 |
| 200655_Array_SideScanSonarMosaic_05 |                | 05 of 11                  |





- Legend
- UTM Grid
  - Geographical Grid
  - Chart Extent
  - Wind Farm Extent
  - Array Survey Extent
  - Export Cable Route Survey Extent

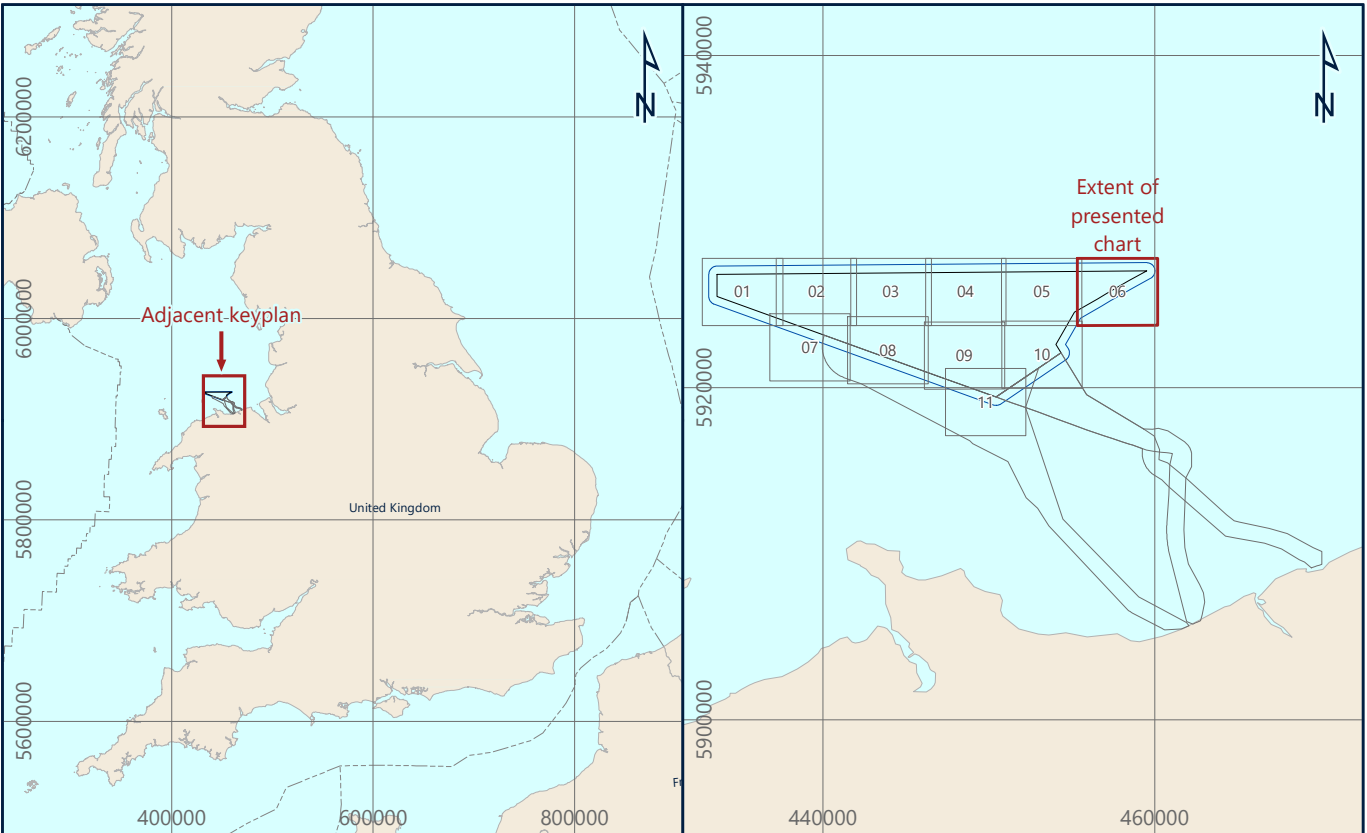
Notes

1) Side scan sonar mosaic created from Edgetech 4205 simultaneous bi-frequency (230 / 540 / 850 kHz), processed with a 0.1 m cell size.

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| Inverse Flattening    | 298.257222563                                                                                  |
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| Central Meridian (CM) | 03°00'00" W                                                                                    |
| Latitude of Origin    | 07°00'00" N                                                                                    |
| Fake Easting          | 500,000 mE                                                                                     |
| Fake Northing         | 0 mN                                                                                           |
| Scale factor at CM    | 0.9996                                                                                         |
| Vertical datum        | Lowest Astronomical Tide (LAT) - calculated using the Vertical Offshore Reference Frame (VORF) |



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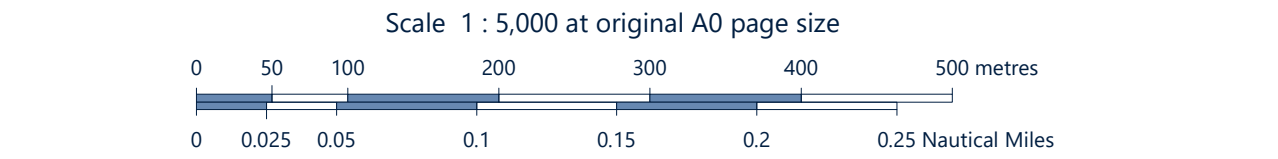
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SIDE SCAN SONAR MOSAIC

AWEL Y MÔR OFFSHORE WIND FARM

GEOPHYSICAL SURVEY 2020

UK IRISH SEA



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|                                     |                |                           |
|-------------------------------------|----------------|---------------------------|
| Fugro Project No.                   | Vessel(s)      | Survey Date               |
| 200655                              | Fugro Mercator | 10 June to 11 August 2020 |
| File Name                           |                | Chart No.                 |
| 200655_Array_SideScanSonarMosaic_06 |                | 06 of 11                  |





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