



Awel y Môr Offshore Wind Farm

Category 6: Environmental Statement

Volume 4, Annex 2.4: Seafloor and Shallow Geological Results (Array) (Part 2)

Date: April 2022

Revision: A

Application Reference: 6.4.2.4.2

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



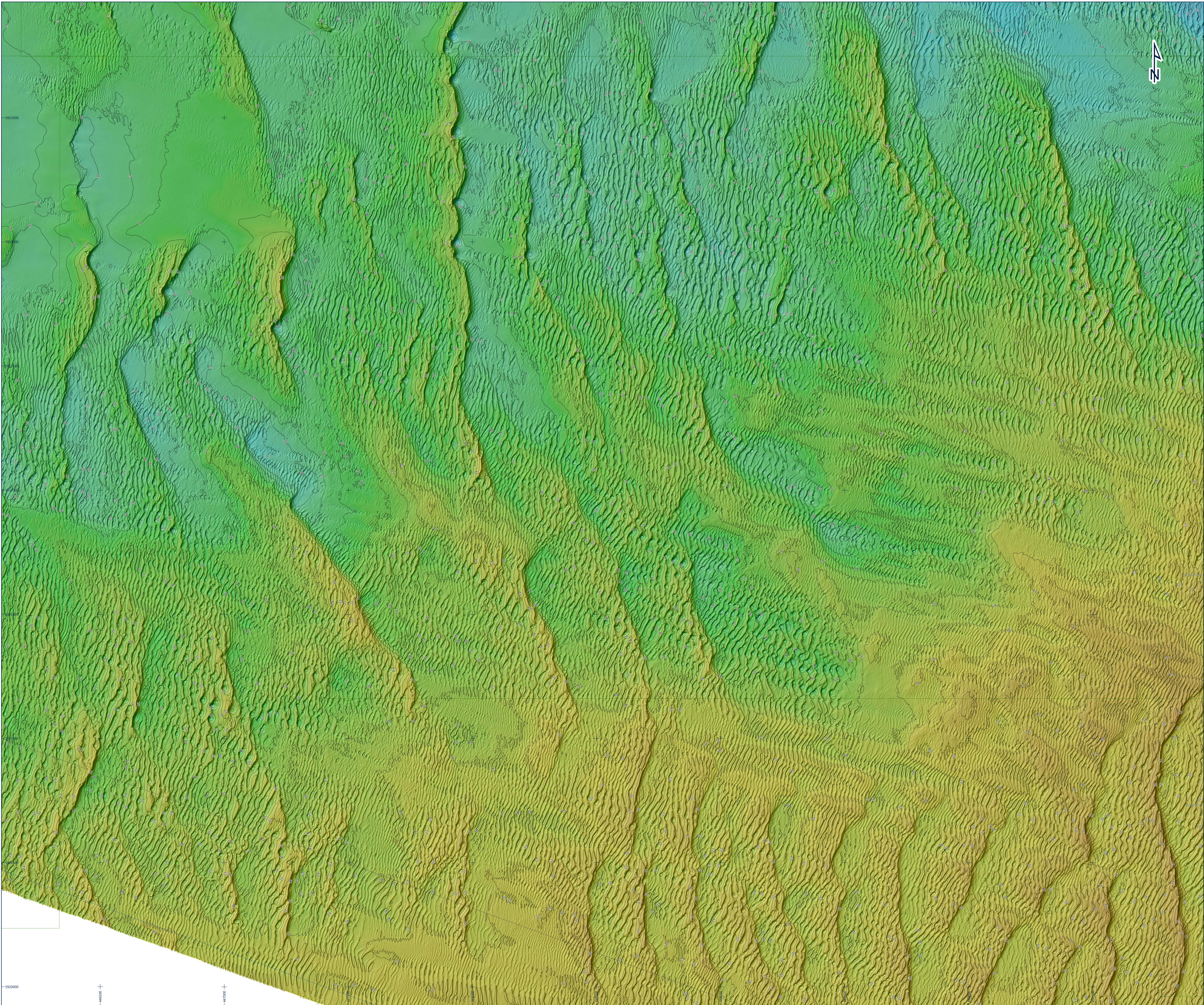
REVISION	DATE	STATUS/ REASON FOR ISSUE	AUTHOR:	CHECKED BY:	APPROVED BY:
A	March 2022	ES	Fugro	RWE	RWE

www.awelymor.cymru

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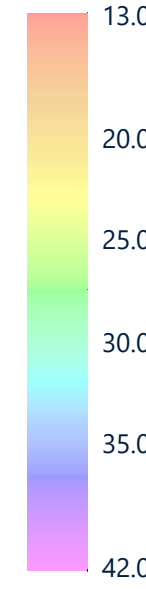
Legend

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

Bathymetry

1 m Contour

Water Depth
[m below LAT]



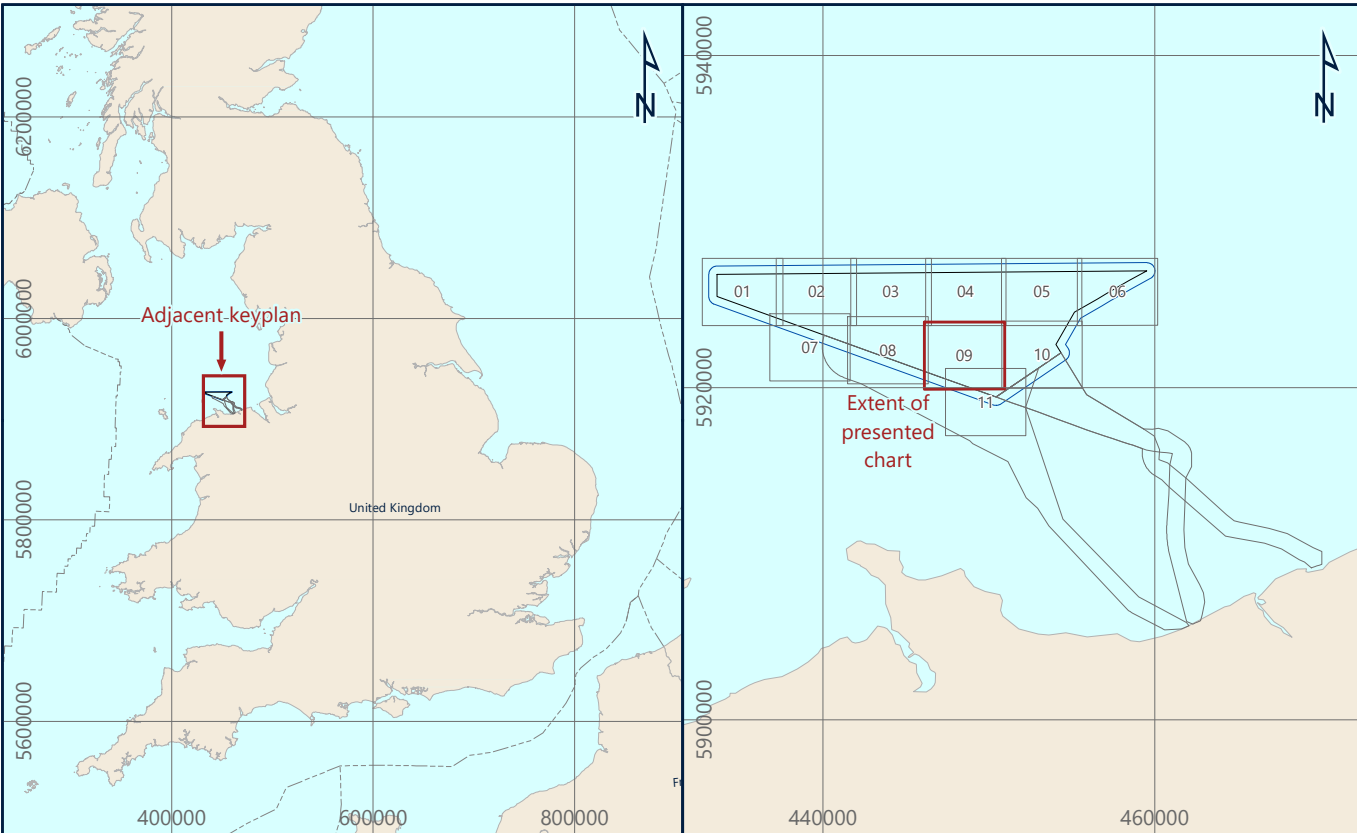
Notes

- 1) Bathymetry from Teledyne RESON SeaBat T50-400 kHz dual head multibeam echosounder, processed with 0.25 m bin size (charted at 1 m bin size).
- 2) Hillshade is illuminated at sun angle 31° and azimuth 45°.
- 3) Bathymetry contours are created using a smoothed raster surface.

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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): 07°00'00" W
Latitude of Origin: 07°00'00" N
False Easting: 500,000 mE
False Northing: 0 mN
Scale Factor at CM: 0.9996
Vertical datum: Lowest Astronomical Tide (LAT) - calculated using the Vertical Offshore Reference Frame (VORF)



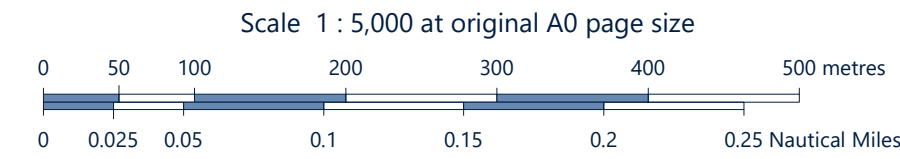
Awel Y Môr Offshore Wind Farm Ltd
Tigroes Bdy, Merind Hill Business Park, Whitelaw Way, Swinton, S15 6PL, United Kingdom

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Fugro
Victory House, Trelgar Wharf Unit 161, Hamilton Road, Porchester PO6 4PX
Tel: +44 23 8220 3500

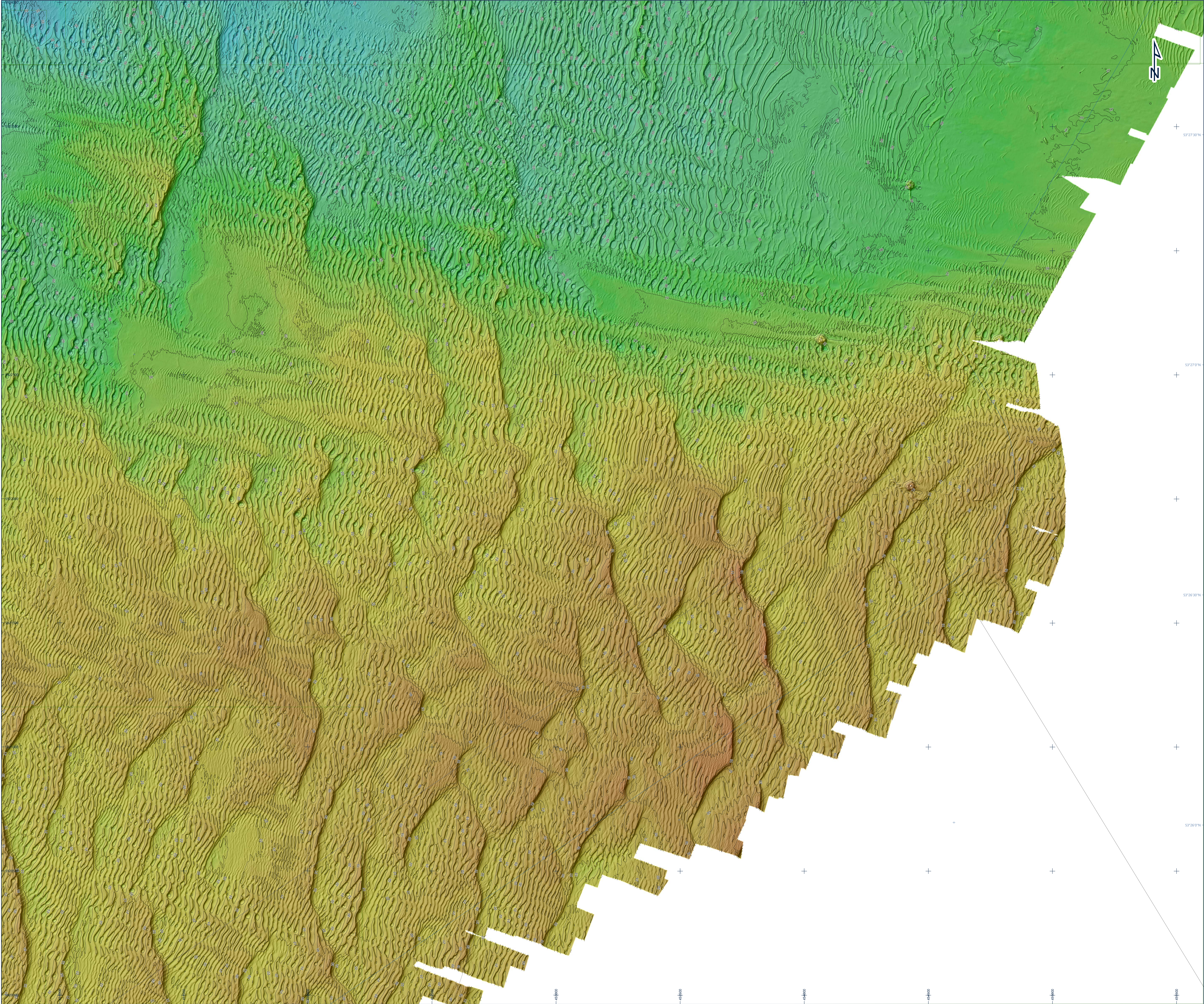
FUGRO

COLOUR SHADED BATHYMETRY
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	N/A	DS	SB	JS
02	01 December 2020	Final Issue - Revision 2	N/A	DS	SB	JS
03	04 February 2021	Final Release - Revision 3	N/A	DS	SB	JS
-	-	-	-	-	-	-

Fugro Project No.	Vessel(s)	Survey Date
200655	Fugro Mercator	10 June to 11 August 2020
File Name		Chart No.
200655.Array.ColourShadedBathymetry.09		09 of 11



Legend

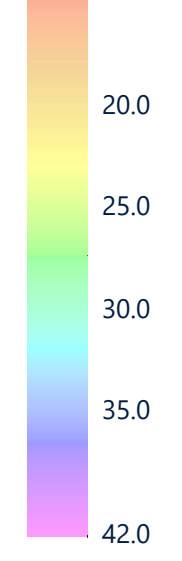
- UTM Grid
- Geographical Grid
- Chart Extent
- Wind Farm Extent
- Array Survey Extent
- Export Cable Route Survey Extent

Bathymetry

1 m Contour

Water Depth

(m below LAT)



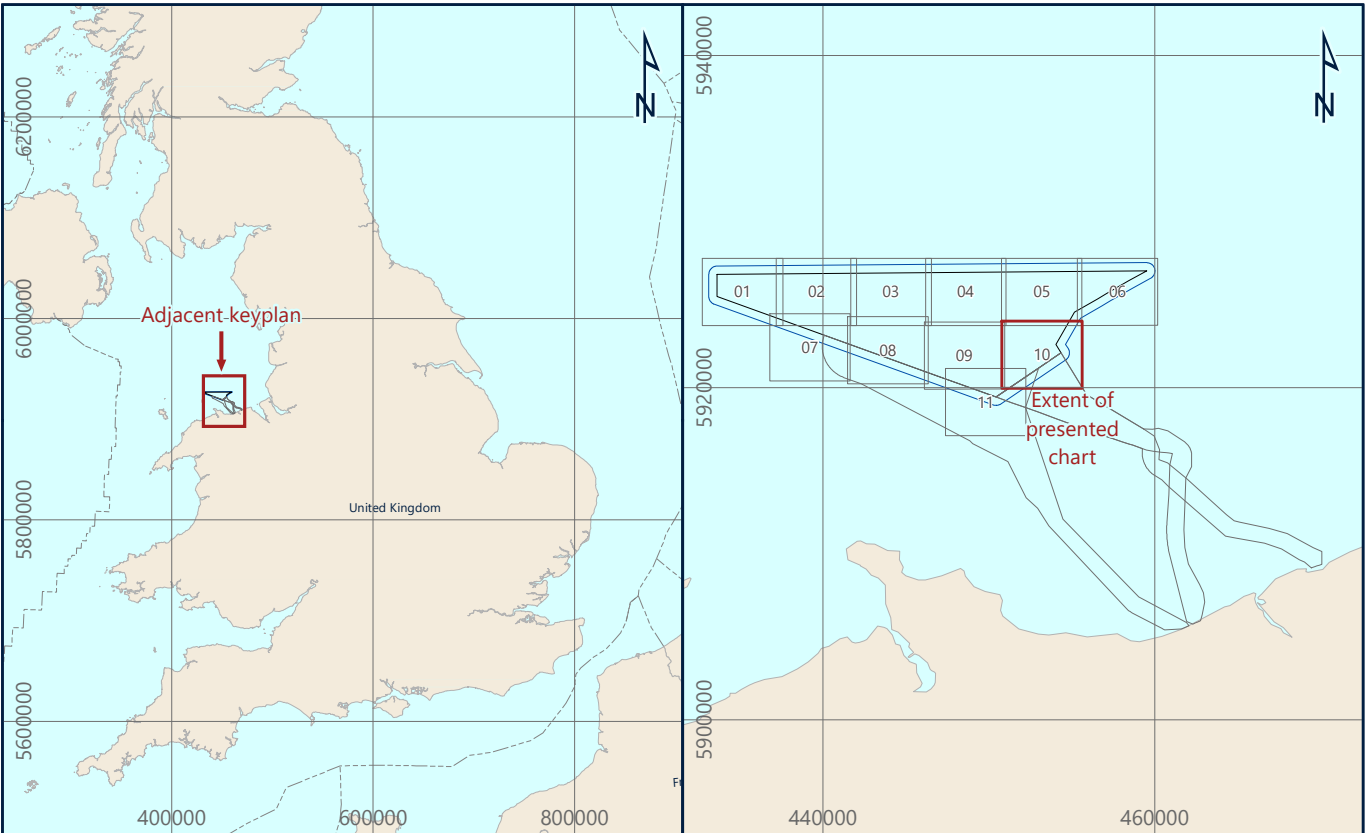
Notes

- 1) Bathymetry from Teledyne RESON SeaBat T50-400 kHz dual head multibeam echosounder, processed with 0.25 m bin size (charted at 1 m bin size).
- 2) Hillshade is illuminated at sun angle 315° and azimuth 45°.
- 3) Bathymetry contours are created using a smoothed raster surface.

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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
False Easting: 500,000 mE
False 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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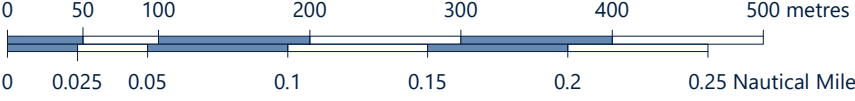
AWEL Y MÔR

Fugro
Victory House, Trellicker Wharf Unit 161, Hamilton Road, Porchester PO6 4PX
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FUGRO

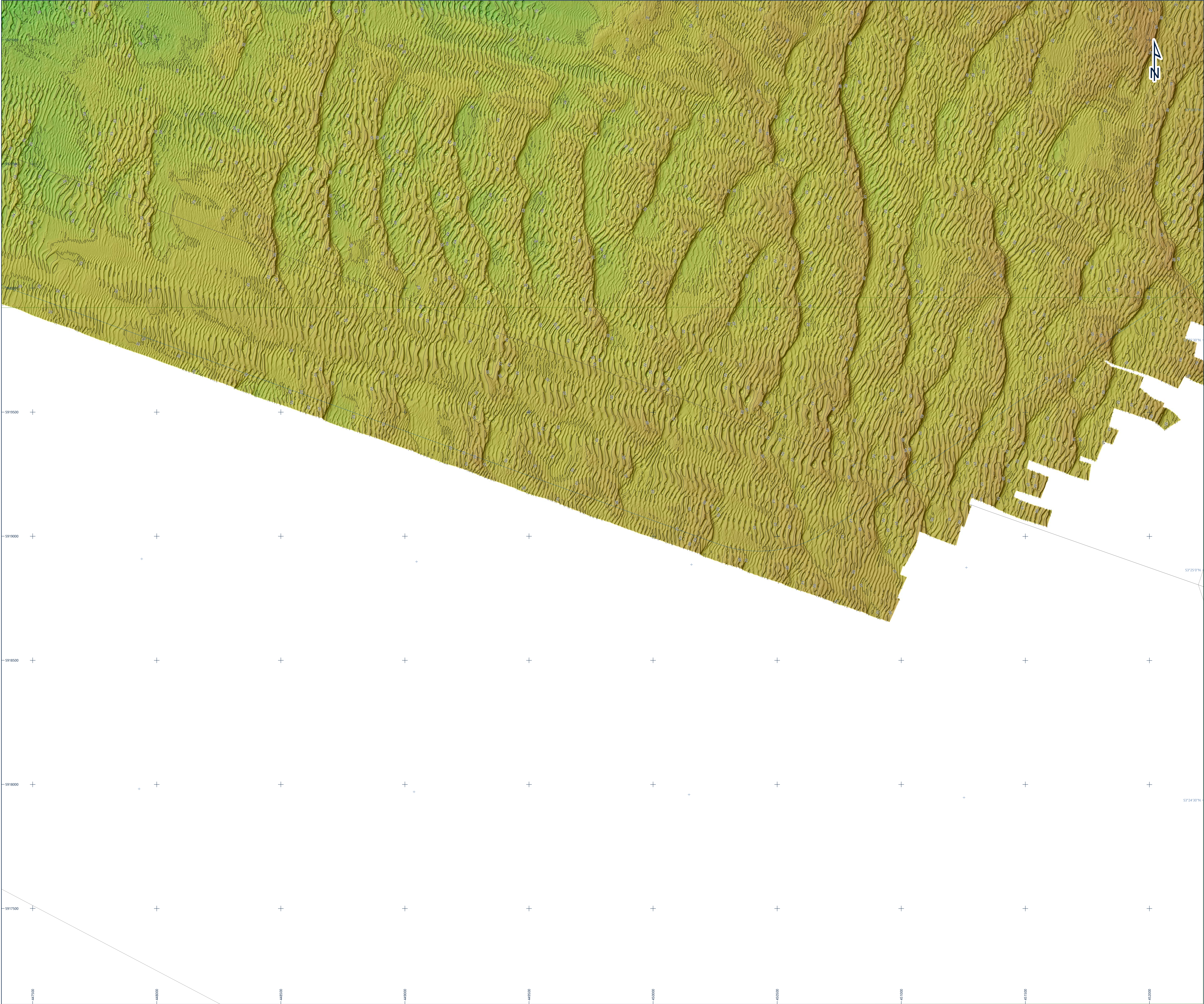
COLOUR SHADED BATHYMETRY
AWEL Y MÔR OFFSHORE WIND FARM
GEOPHYSICAL SURVEY 2020
UK IRISH SEA

Scale 1 : 5,000 at original A0 page size



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01	07 October 2020	Draft Issue - Revision 1	N/A	DS	SB	JS
02	01 December 2020	Final Issue - Revision 2	N/A	DS	SB	JS
03	04 February 2021	Final Release - Revision 3	N/A	DS	SB	JS
-	-	-	-	-	-	-

Fugro Project No.	Vessel(s)	Survey Date
200655	Fugro Mercator	10 June to 11 August 2020
File Name		Chart No.
200655_Array_ColourShadedBathymetry_10		10 of 11



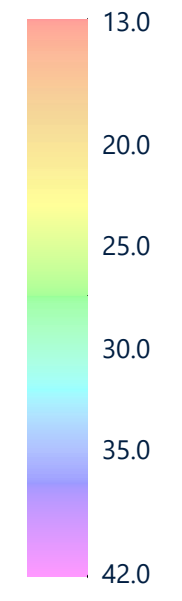
Legend

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

Bathymetry

1 m Contour

Water Depth
(m below LAT)



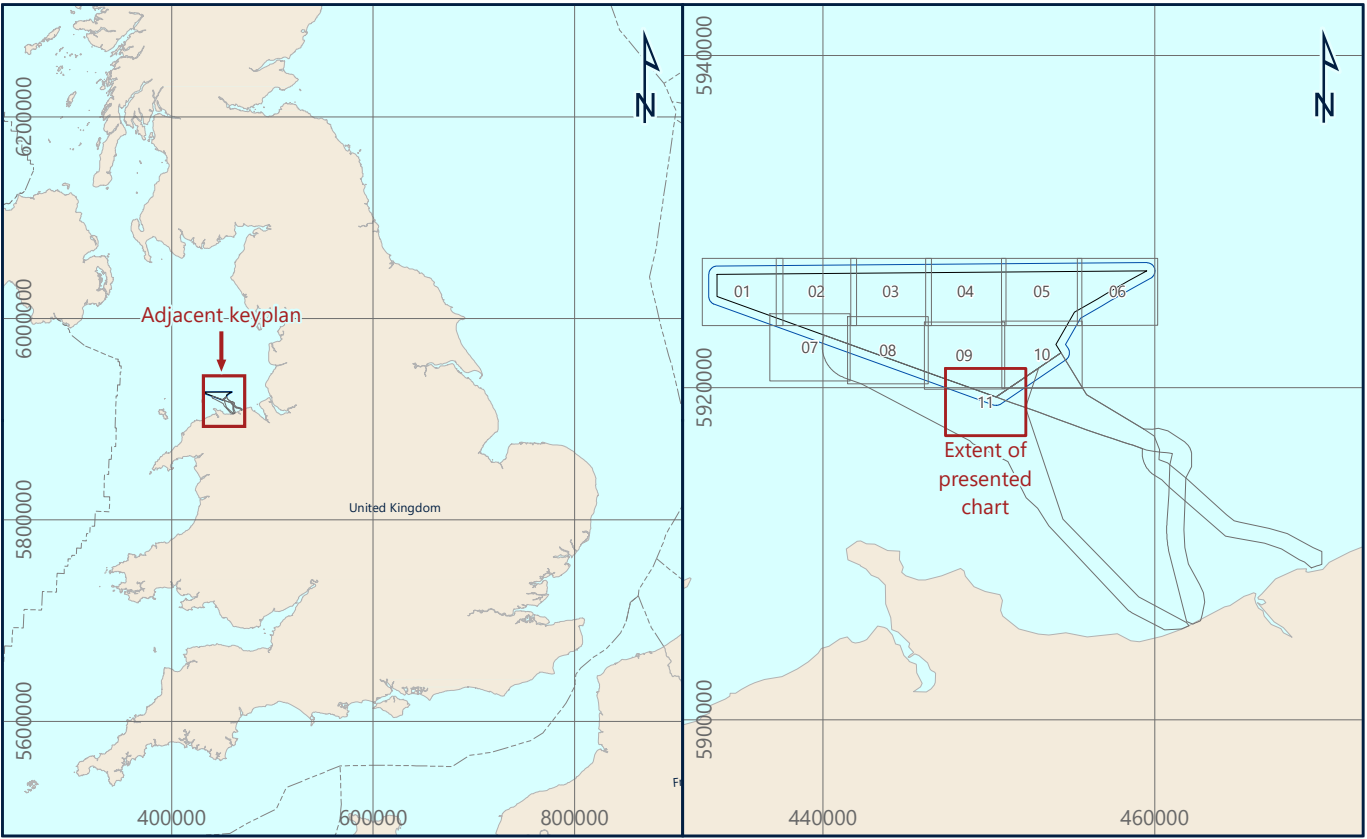
Notes

- 1) Bathymetry from Teledyne RESON SeaBat T50-400 kHz dual head multibeam echosounder, processed with 0.25 m bin size (charted at 1 m bin size).
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Latitude of Origin	00°00'00" N
Fake Easting	500,000 mE
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Scale Factor at CM	0.9996
Vertical datum	Lowest Astronomical Tide (LAT) - calculated using the Vertical Offshore Reference Frame (VORF)



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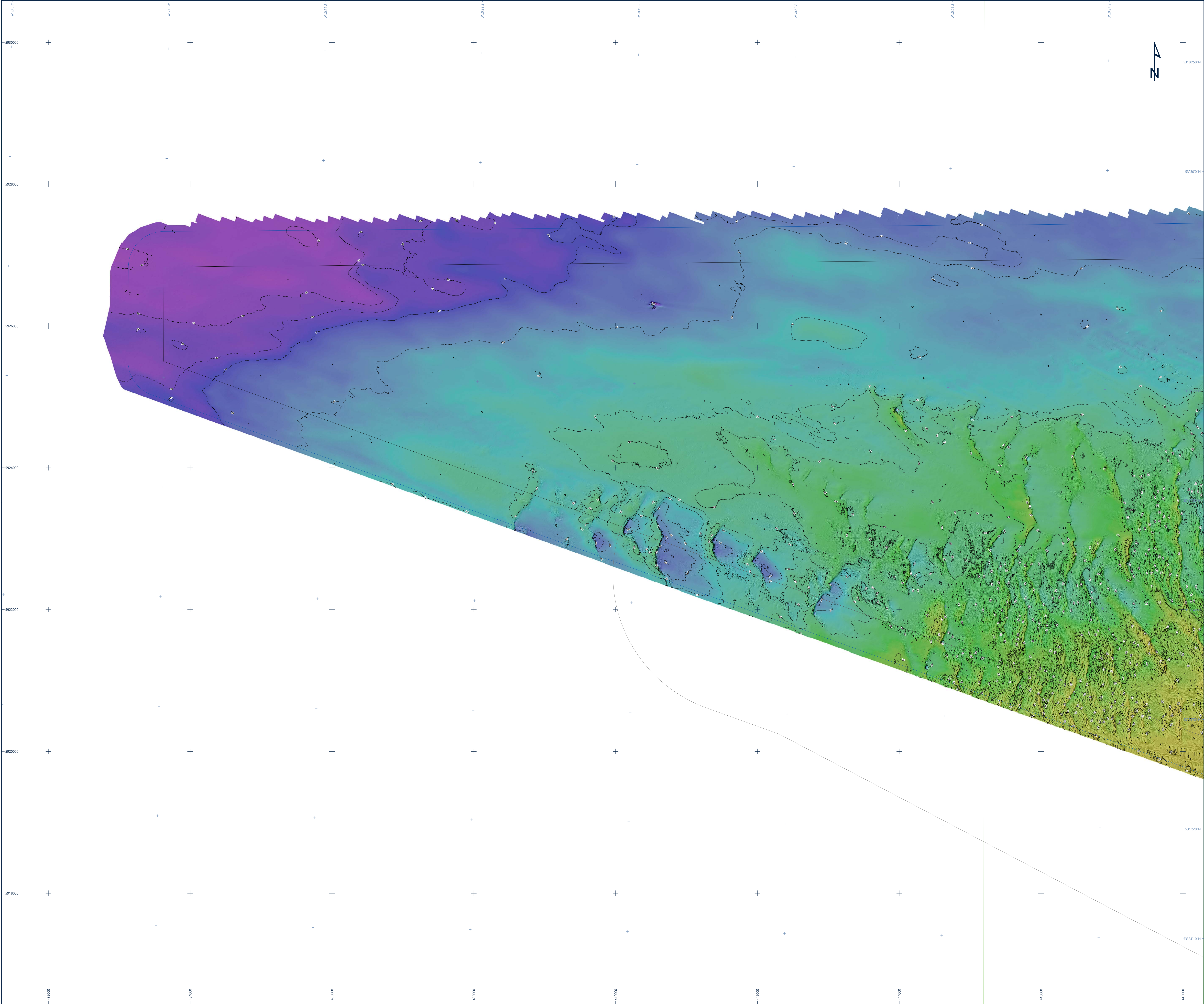
FUGRO

COLOUR SHADED BATHYMETRY
AWEL Y MÔR OFFSHORE WIND FARM
GEOPHYSICAL SURVEY 2020
UK IRISH SEA

Scale 1 : 5,000 at original A0 page size
0 50 100 200 300 400 500 metres
0 0.025 0.05 0.1 0.15 0.2 0.25 Nautical Miles

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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_ColourShadedBathymetry.11		11 of 11



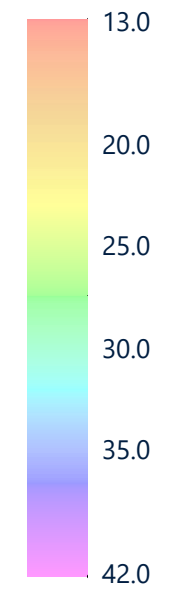
Legend

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

Bathymetry

1 m Contour

Water Depth
(m below LAT)



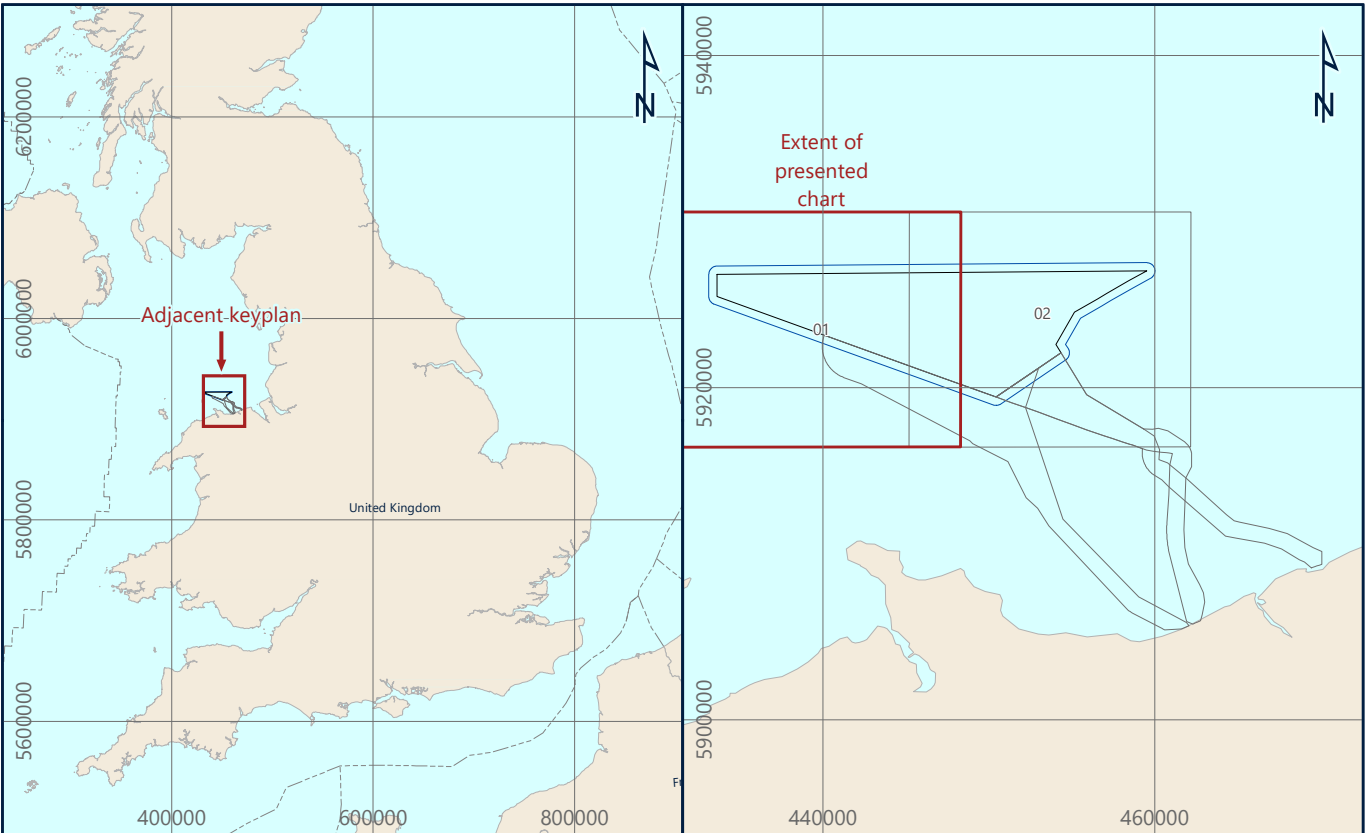
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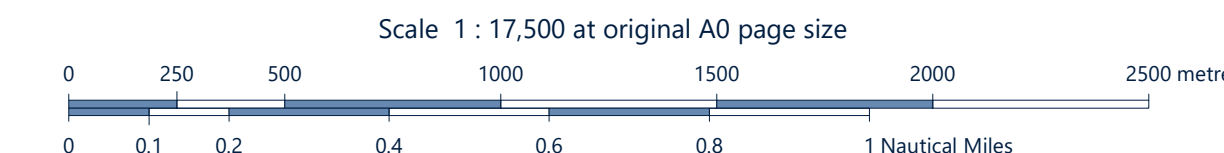
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Fugro

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COLOUR SHADED BATHYMETRY OVERVIEW
AWEL Y MÔR OFFSHORE WIND FARM
GEOPHYSICAL SURVEY 2020
UK IRISH SEA



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02	04 February 2021	Final Relissue - Revision 2	N/A	DS	SB	JS
-	-	-	-	-	-	-

Fugro Project No.	Vessel(s)	Survey Date
200655	Fugro Mercator	10 June to 11 August 2020
File Name	Chart No.	
200655_Array_ColourShadedBathymetry_Overview_01	01 of 02	



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