



Awel y Môr Offshore Wind Farm

Category 6: Environmental Statement

Volume 4, Annex 2.4: Seafloor and Shallow Geological Results (Array) (Part 10)

Date: April 2022

Revision: A

Application Reference: 6.4.2.4.10

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



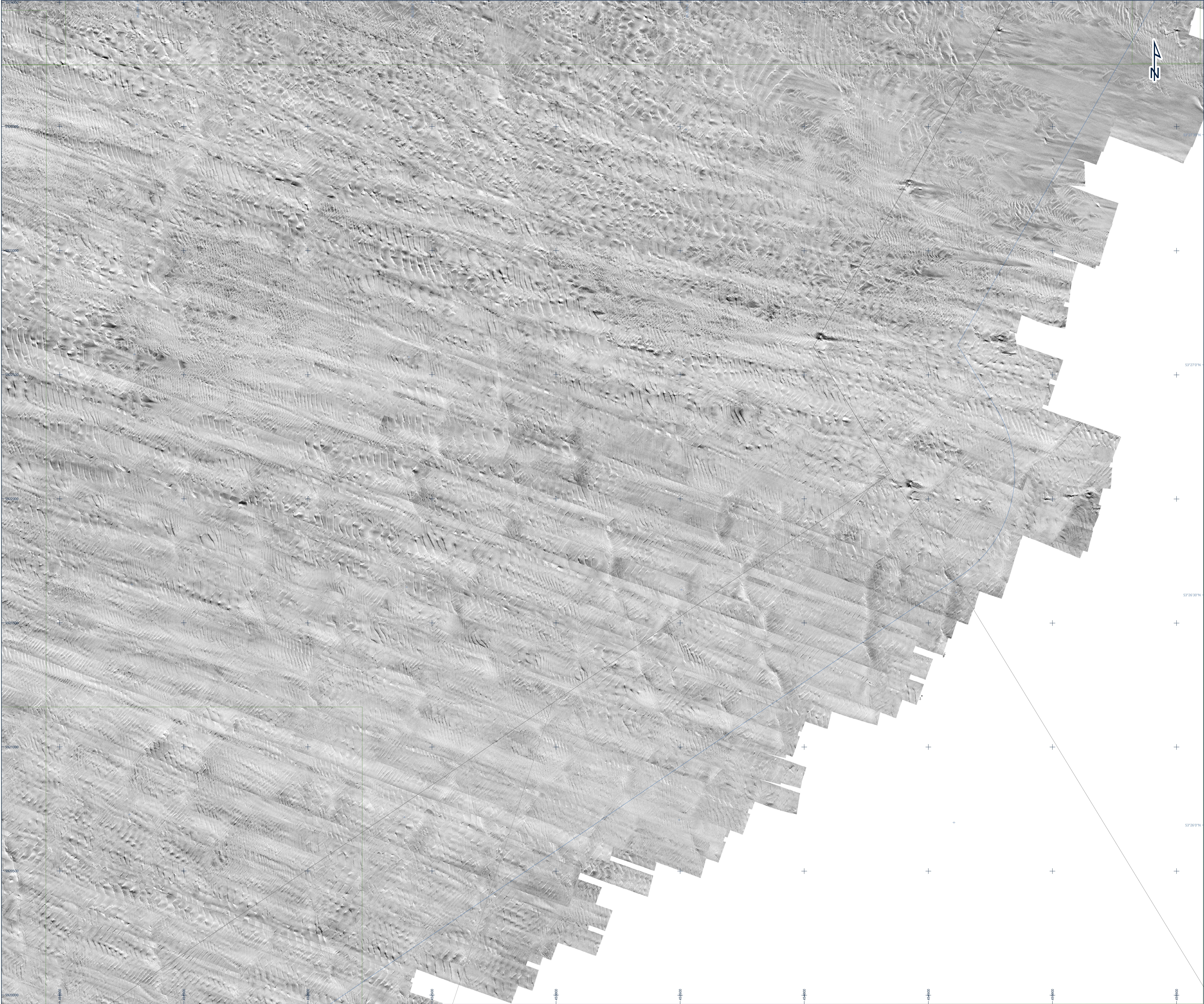
REVISION	DATE	STATUS/ REASON FOR ISSUE	AUTHOR:	CHECKED BY:	APPROVED BY:
A	March 2022	ES	Fugro	RWE	RWE
B					

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

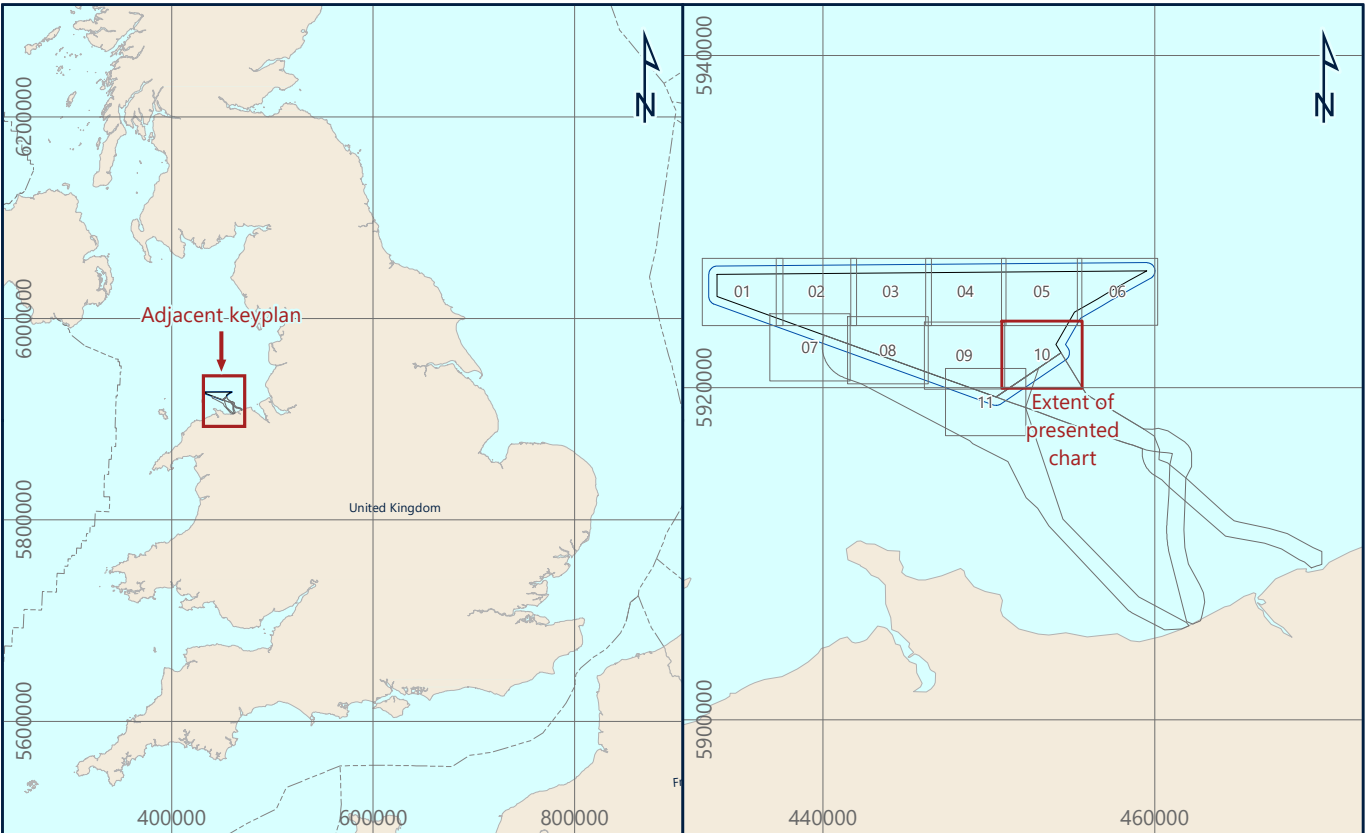
Notes

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
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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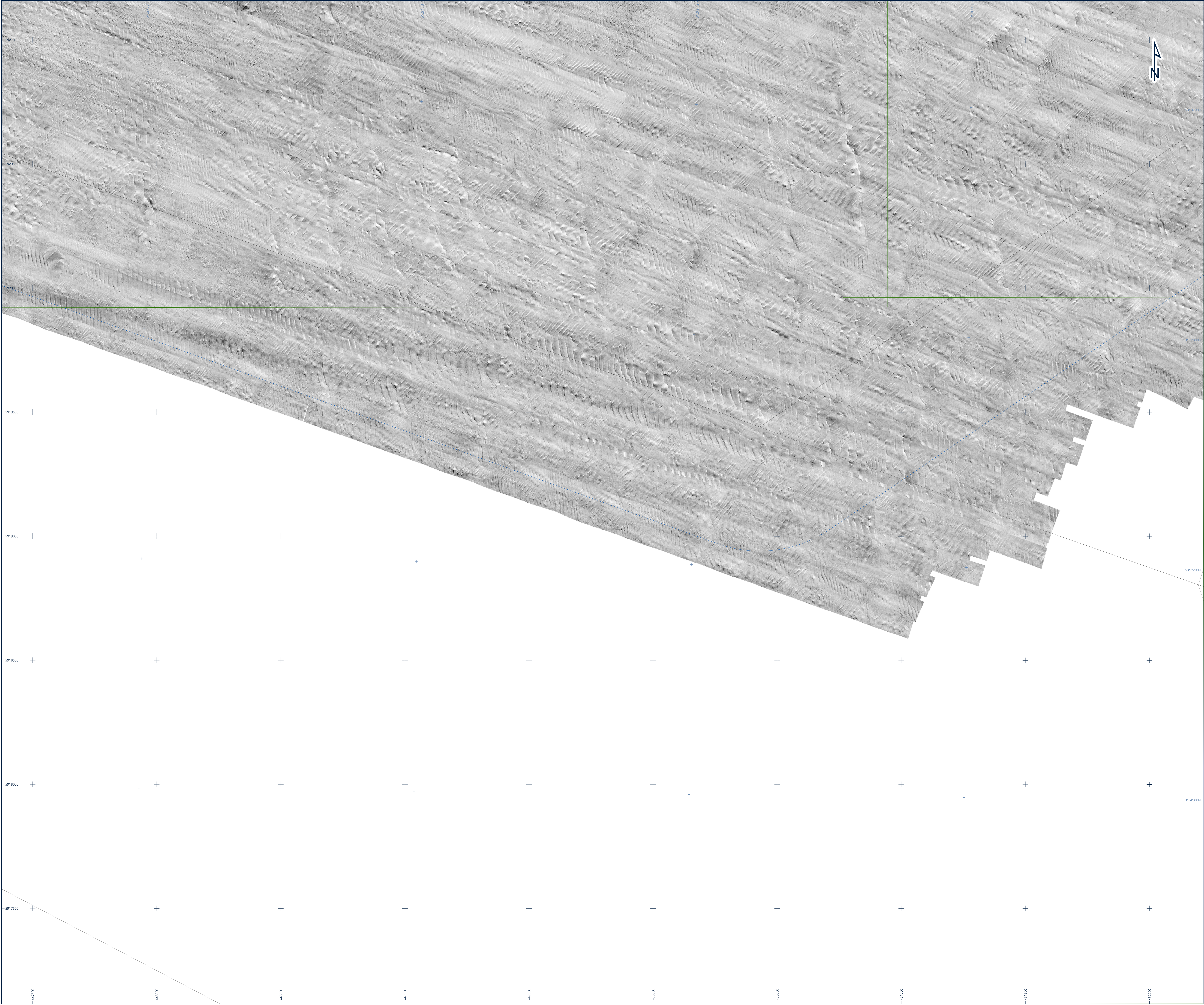
FUGRO

SIDE SCAN SONAR MOSAIC
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

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_10		10 of 11



Legend

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

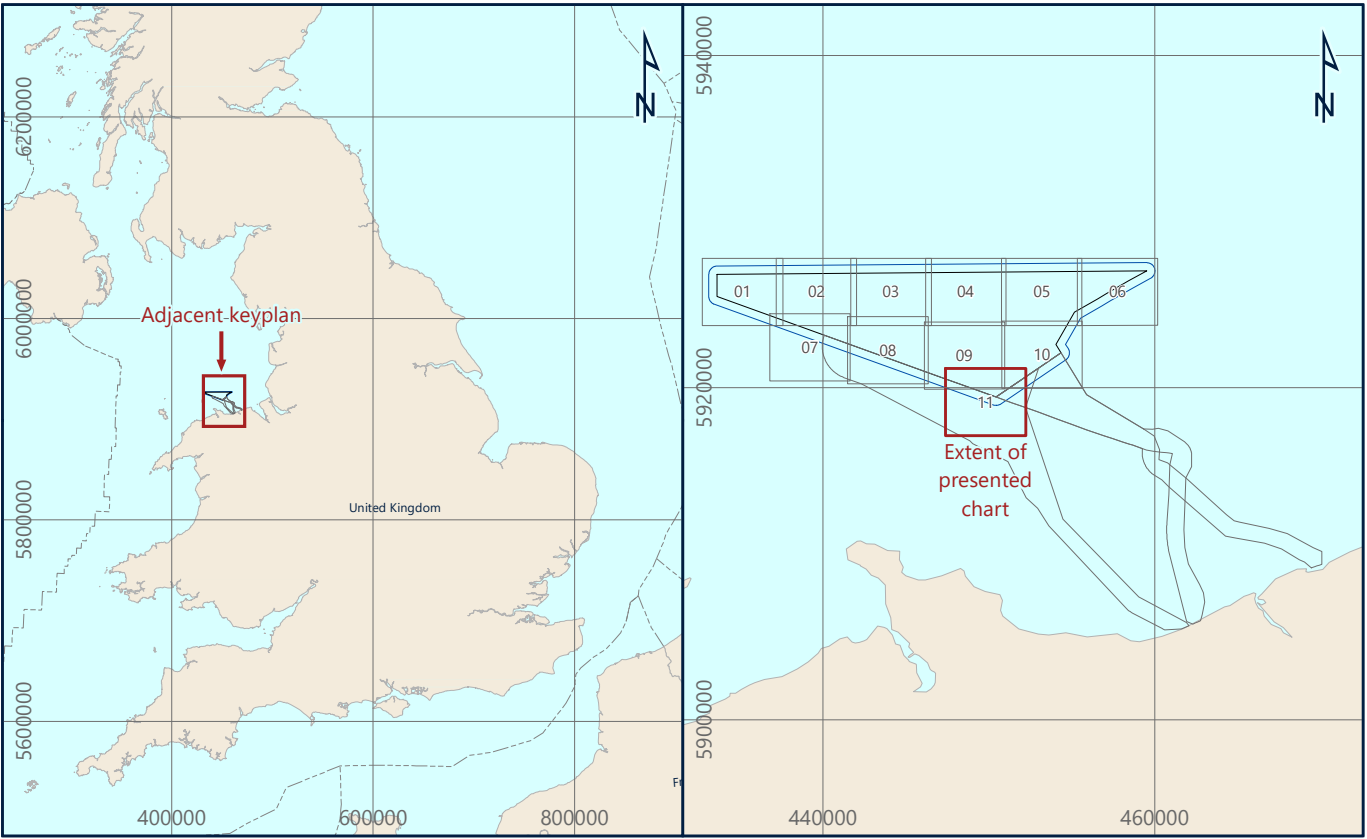
Notes

1) Side scan sonar mosaic created from Edgetech 420S 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
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)



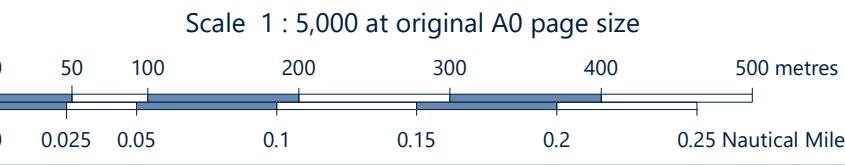
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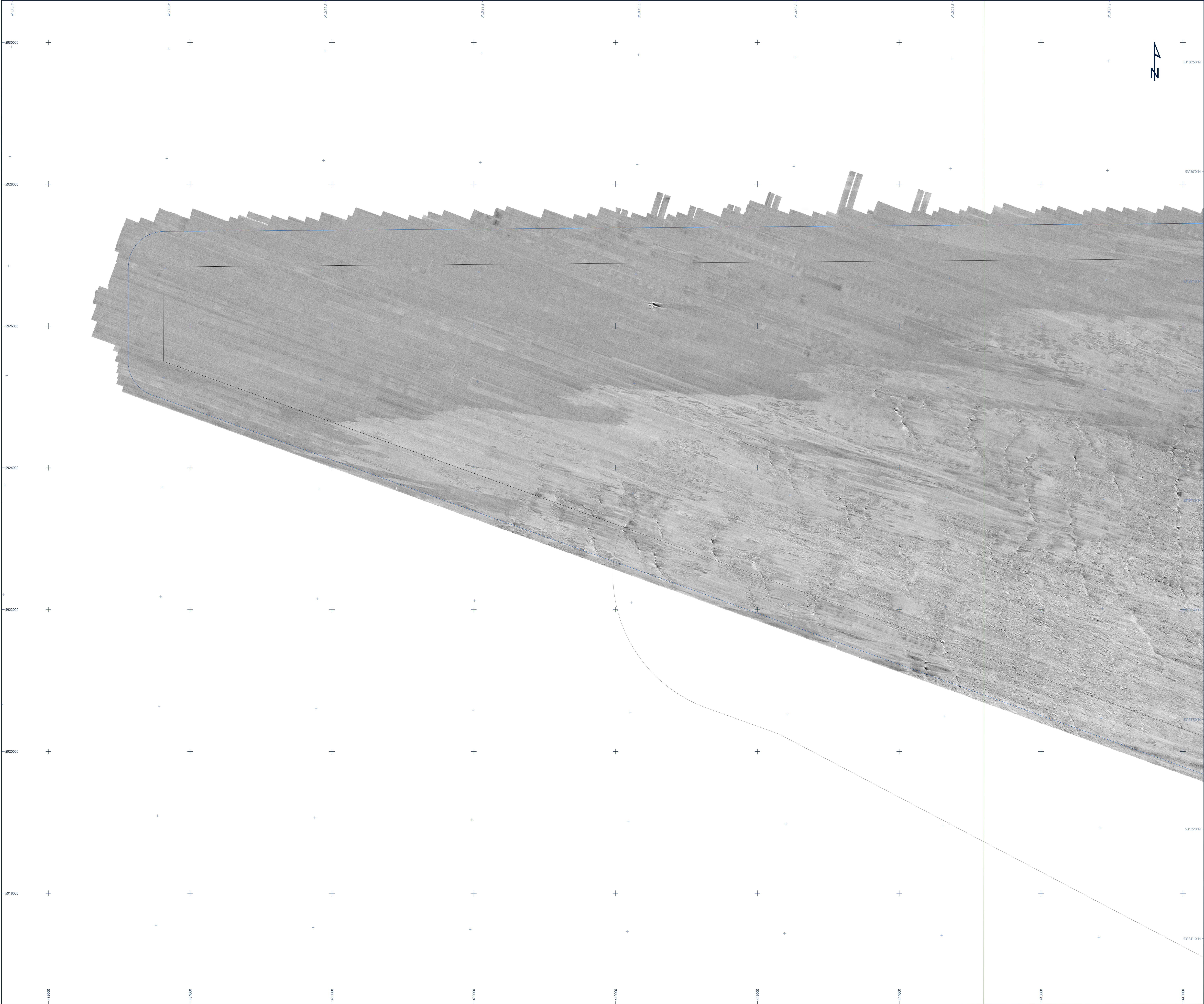
FUGRO

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_11		11 of 11



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

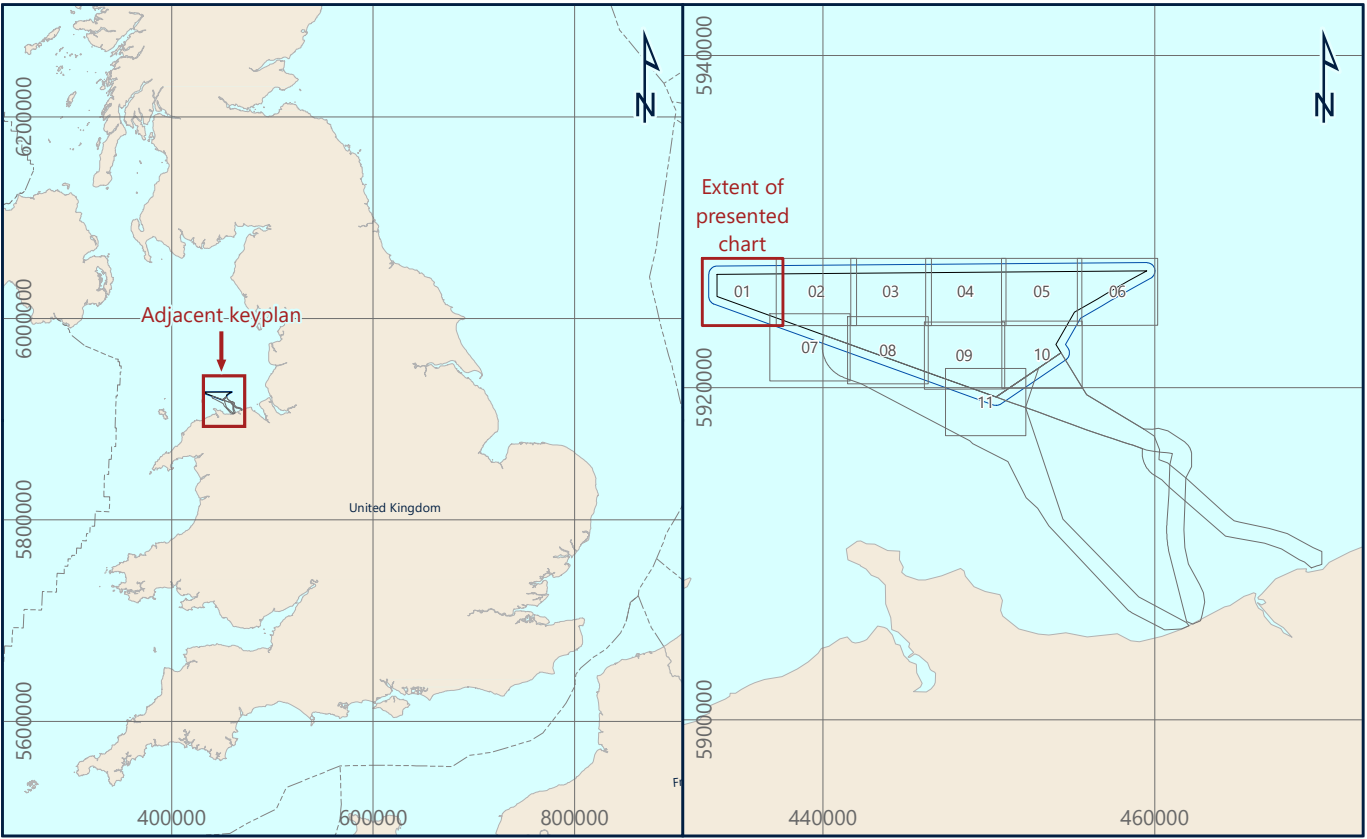
Notes

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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Geodetic Parameters

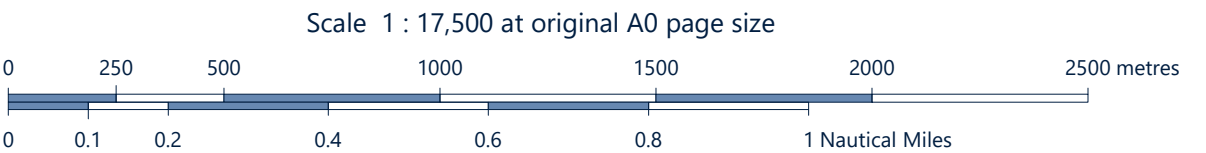
Geodetic datum	World Geodetic System 1984
Ellipsoid	WGS84
Semi-Major Axis	6,378,137.000 m
Inverse Flattening	298.257223563
Projection	WGS84 / UTM Zone 30N (EPSG: 32630)
Central Meridian (CM)	03°00'00" W
Latitude of Origin	00°00'00" N
Fake Easting	500,000 mE
Fake Northing	0 mN
Scale factor at CM	0.9996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



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



Issue	Date	Status	Interpreted	Prepared	Checked	Approved
01	01 December 2020	Final Issue - Revision 1	OOT	DS	SB	BPT
02	04 February 2021	Final Relissue - Revision 2	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_Overview_01		01 of 02



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