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# Morlais Project Environmental Statement

## Volume II

Applicant: Menter Môn Morlais Limited

Author: Royal HaskoningDHV



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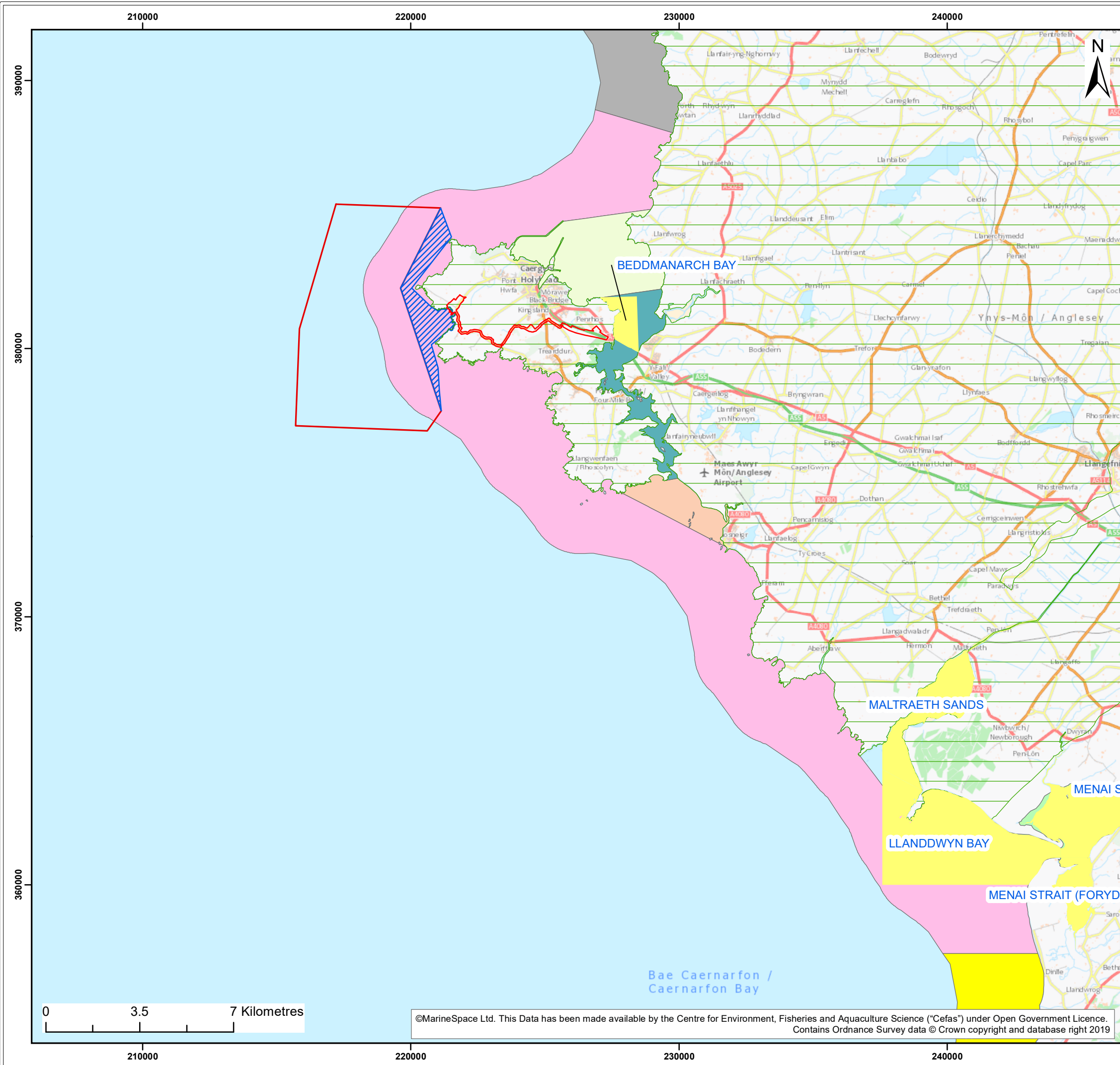
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Legend:

- Onshore Development Area
- Designated Shellfish Water
- Ynys Môn Secondary Groundwater Body
- Export cable corridor
- Morlais Demonstration Zone (MDZ)

**Water Bodies**

Caernarfon Bay South	Holyhead Strait
Menai Strait	The Skerries
Cymyran Bay	Holyhead Bay
	Caernarfon Bay North


Client:  Project: 

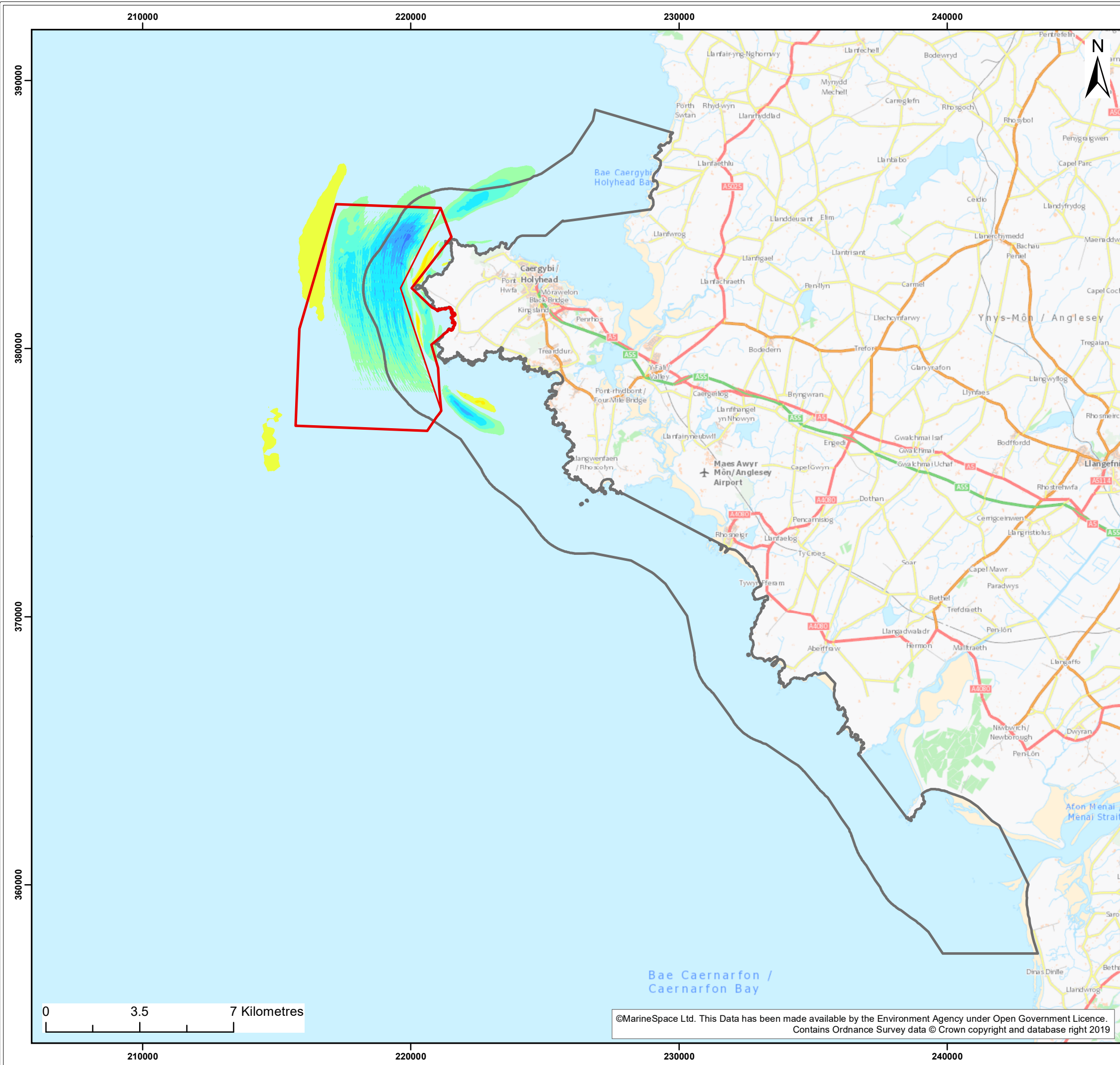
Title: Coastal Water Bodies and designated Shellfish waters in the Vicinity of the MDZ

Figure: A8-1 Drawing No: PB5034-ES-008-001A

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
04	18/03/20	IW	DK	A3	1:140,000

Co-ordinate system: British National Grid

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Legend:

- Morlais Demonstration Zone (MDZ)
- Offshore Development Area
- Caernarfon Bay North Water Body

**Max Speed Difference (m/s)**

> -0.7	-0.3 - -0.2	0.3 - 0.4
-0.7 - -0.6	-0.2 - -0.1	0.4 - 0.5
-0.6 - -0.5	-0.01 - 0.1	0.5 - 0.6
-0.5 - -0.4	0.1 - 0.2	0.6 - 0.7
-0.4 - -0.3	0.2 - 0.3	

Client: MENTER MÔN™

Project: morlais ANGLESEY MARINE ENERGY

Title:

Modelled Maximum speed difference in tidal flow & Caernarfon Bay North Water Body

Figure: A8-2 Drawing No: PB5034-ES-008-002A

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
01	20/03/20	IW	DK	A3	1:140,000

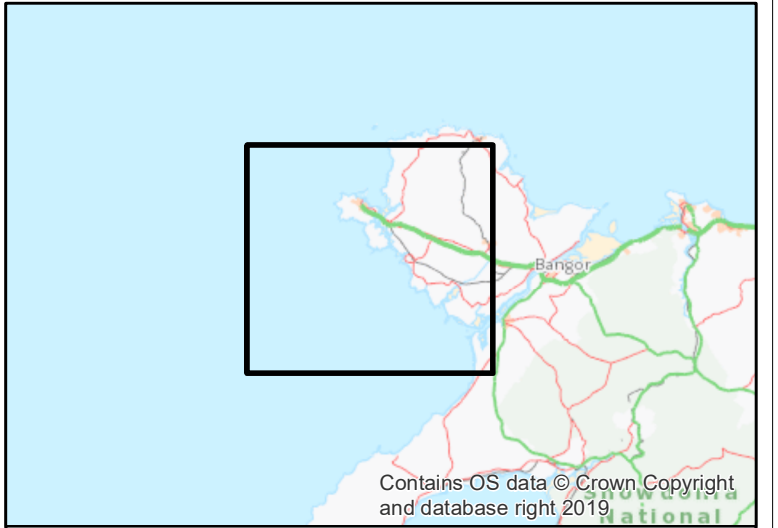
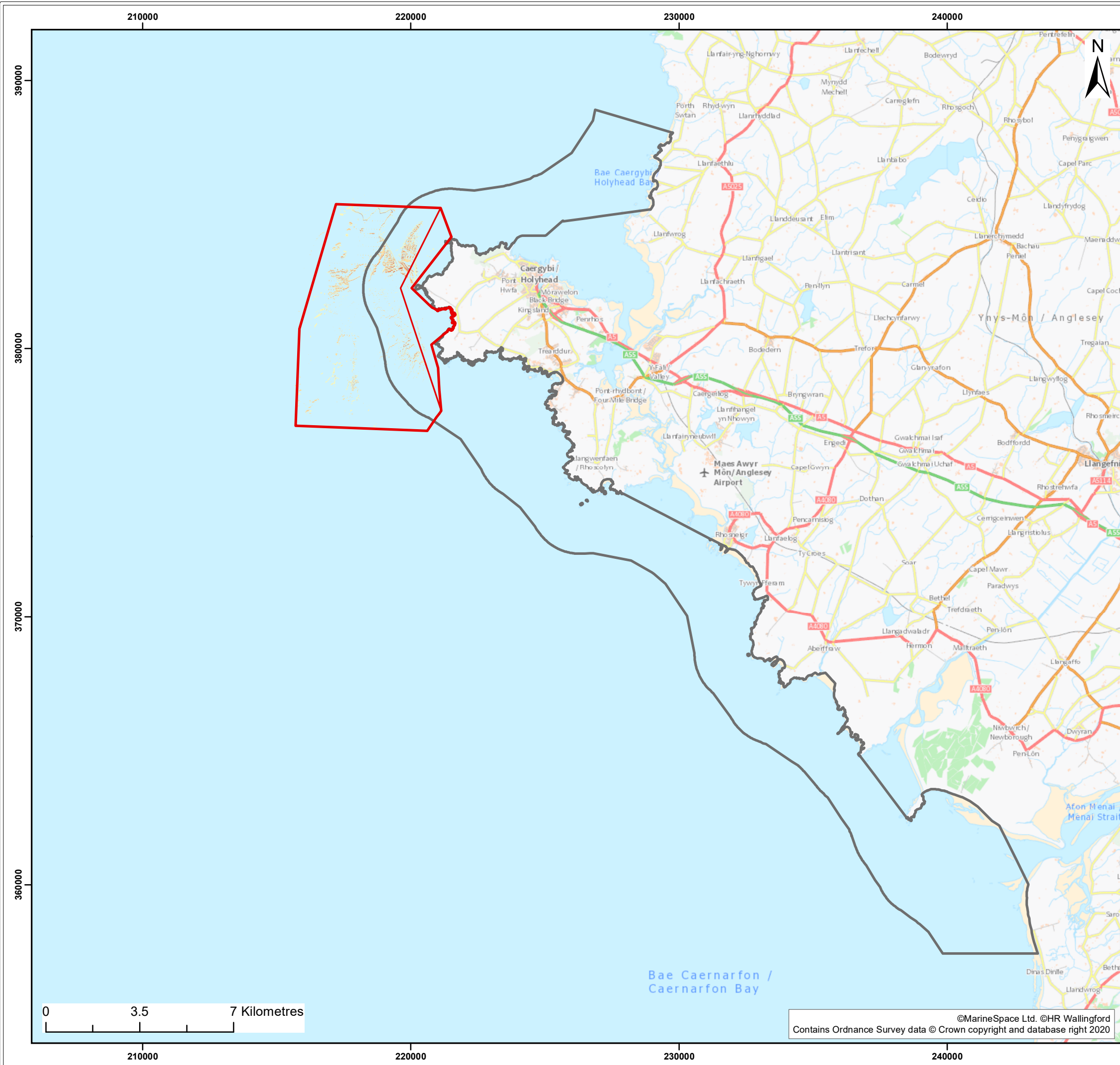
Co-ordinate system: British National Grid

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**Legend:**

- Morlais Demonstration Zone (MDZ)
- Offshore Development Area
- Caernarfon Bay North Water Body

**Bed level change (m/d)**

<span style="background-color: #000080; color: white; padding: 2px;">&gt; -0.1</span>	<span style="background-color: #808080; color: black; padding: 2px;">-0.04 - -0.03</span>	<span style="background-color: #8B4513; color: white; padding: 2px;">0.04 - 0.05</span>
<span style="background-color: #0000FF; color: white; padding: 2px;">-0.01 - -0.09</span>	<span style="background-color: #A0A080; color: black; padding: 2px;">-0.03 - -0.02</span>	<span style="background-color: #C0504D; color: white; padding: 2px;">0.05 - 0.06</span>
<span style="background-color: #0000FF; color: white; padding: 2px;">-0.09 - -0.08</span>	<span style="background-color: #FFFF00; color: black; padding: 2px;">-0.02 - -0.01</span>	<span style="background-color: #C0504D; color: white; padding: 2px;">0.06 - 0.07</span>
<span style="background-color: #0000FF; color: white; padding: 2px;">-0.08 - -0.07</span>	<span style="background-color: #FFFFFF; color: black; padding: 2px;">-0.01 - 0.01</span>	<span style="background-color: #C0504D; color: white; padding: 2px;">0.07 - 0.08</span>
<span style="background-color: #0000FF; color: white; padding: 2px;">-0.07 - -0.06</span>	<span style="background-color: #FFD700; color: black; padding: 2px;">0.01 - 0.02</span>	<span style="background-color: #8B0000; color: white; padding: 2px;">0.08 - 0.09</span>
<span style="background-color: #0000FF; color: white; padding: 2px;">-0.06 - -0.05</span>	<span style="background-color: #FFA500; color: black; padding: 2px;">0.02 - 0.03</span>	<span style="background-color: #8B0000; color: white; padding: 2px;">0.09 - 0.1</span>
<span style="background-color: #0000FF; color: white; padding: 2px;">-0.05 - -0.04</span>	<span style="background-color: #FF8C00; color: black; padding: 2px;">0.03 - 0.04</span>	

Client:   Project:  

**Title:**

Modelled impact of tidal turbine array on bed levels with Caernarfon Bay North Water Body

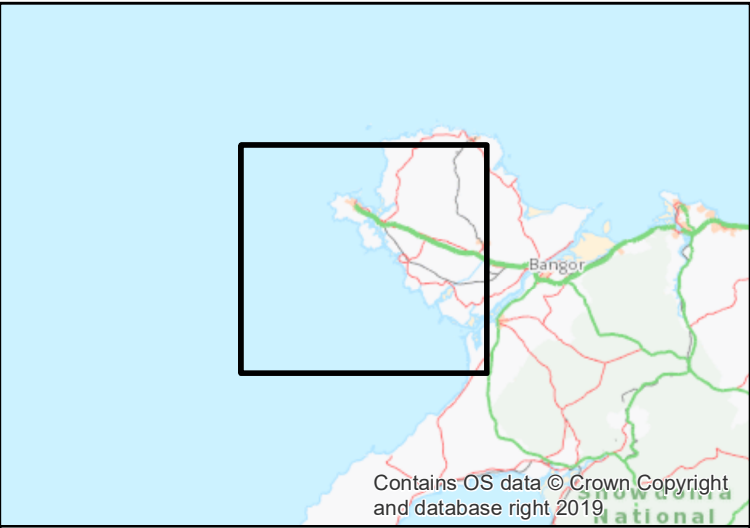
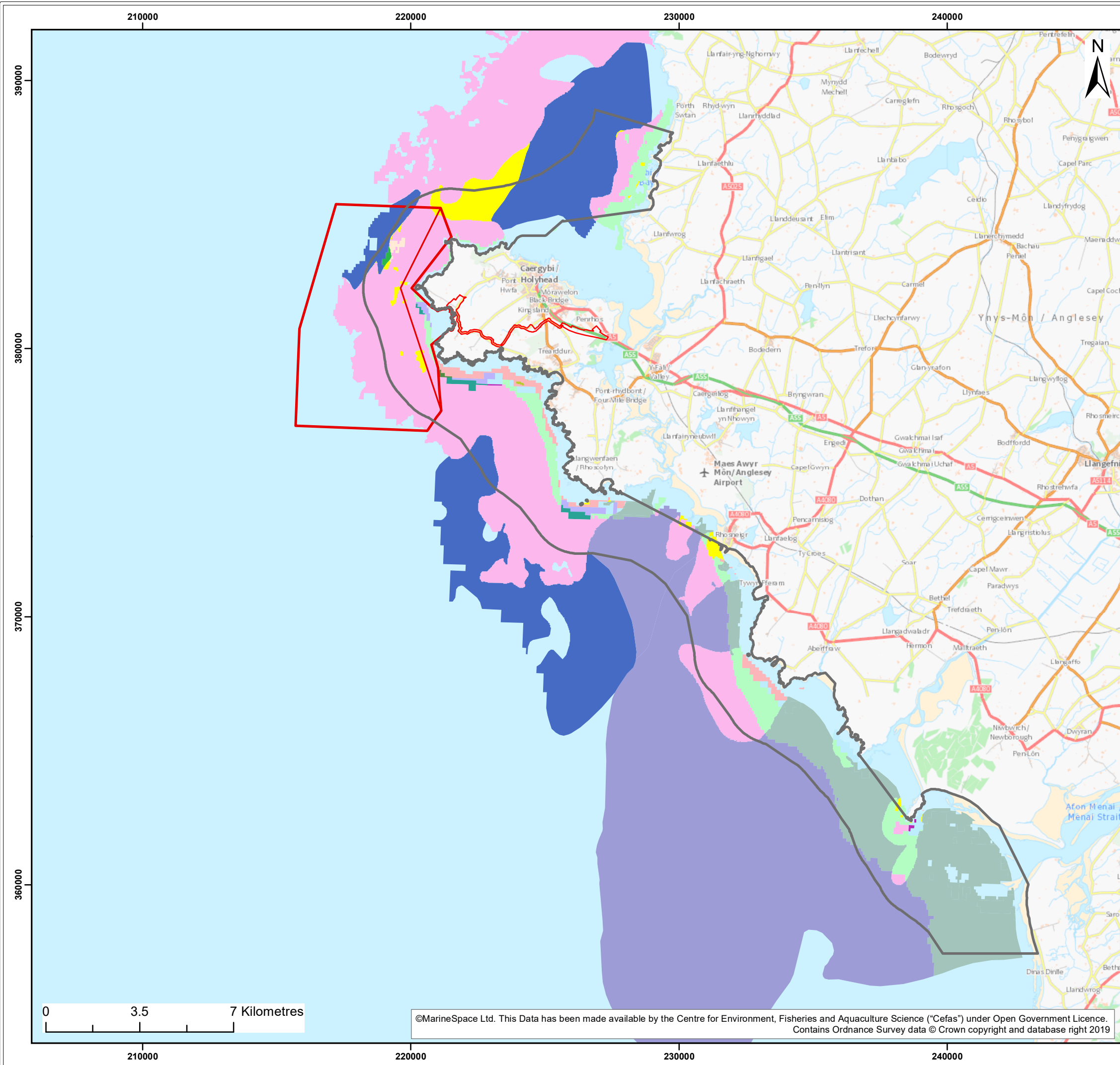
Figure: A8-4 Drawing No: PB5034-ES-008-004A

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
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**Legend:**

- Morlais Demonstration Zone (MDZ)
- Offshore Development Area
- Onshore Development Area
- Caernarfon Bay North Water Body

**Seabed Habitats (EUNIS)**

A3	A4.1	A5.13
A3.1	A4.12	A5.14
A3.2	A4.2	A5.15
A3.3	A4.3	A5.23 or A5.24
A4	A5	A5.25 or A5.26

Client:   Project:  

Title: Seabed Habitats within Caernarfon Bay North Coastal Water Body

Figure: A8-5 Drawing No: PB5034-ES-008-005A

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
04	26/03/20	IW	DK	A3	1:140,000

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