



gwerth mewn gwahaniaeth
delivering on distinction

Morlais Project Environmental Statement

Chapter 4: Project Description

Volume II

Applicant: Menter Môn Morlais Limited
Document Reference: PB5034-ES-004
Chapter 4: Project Description
Author: Royal HaskoningDHV and MarineSpace



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MOR/RHDHV/DRW/0080

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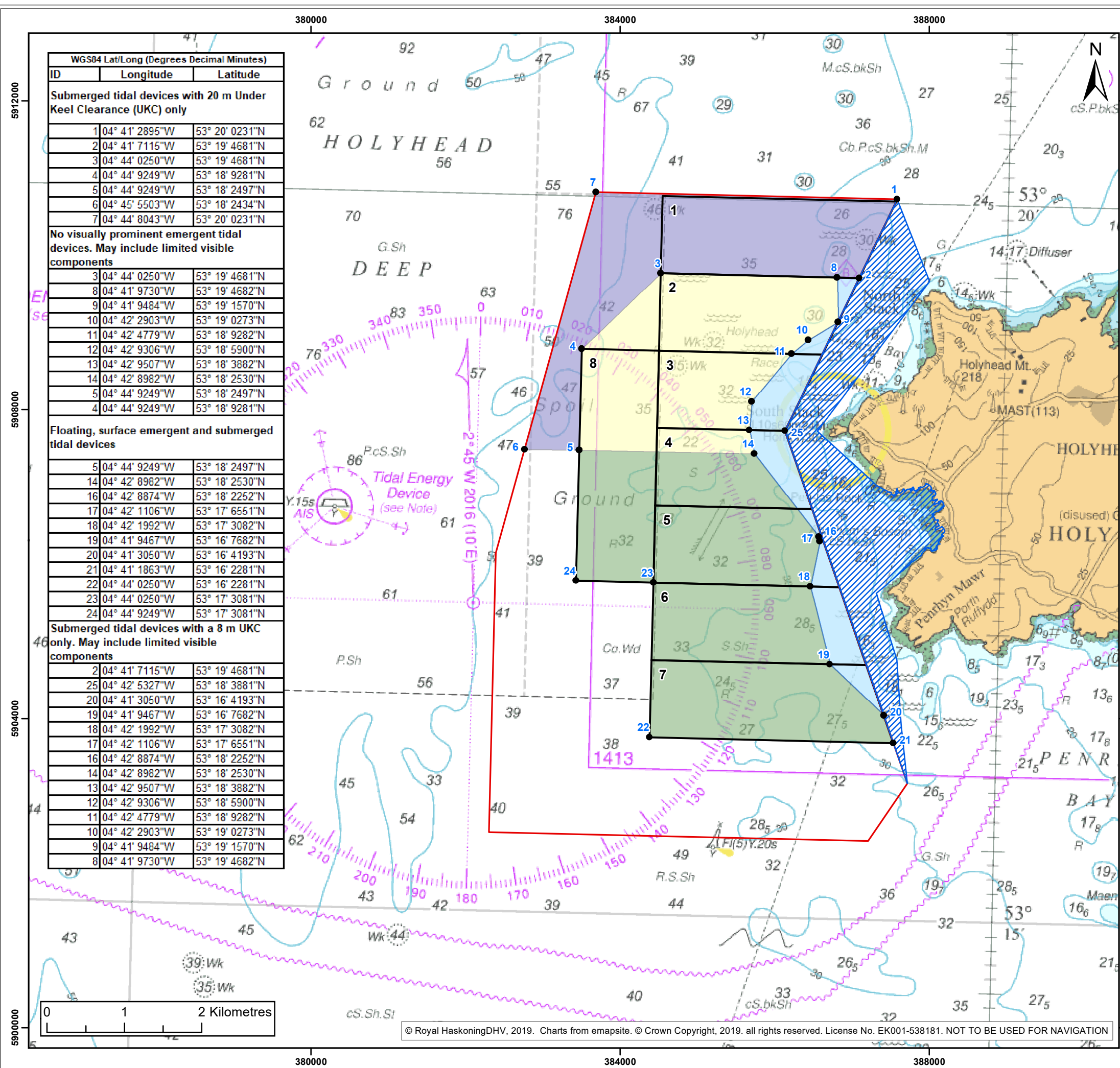
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| WGS84 Lat/Long (Degrees Decimal Minutes) | | |
|--|----------------|----------------|
| ID | Longitude | Latitude |
| Submerged tidal devices with 20 m Under Keel Clearance (UKC) only | | |
| 1 | 04° 41' 2895"W | 53° 20' 0231"N |
| 2 | 04° 41' 7115"W | 53° 19' 4681"N |
| 3 | 04° 44' 0250"W | 53° 19' 4681"N |
| 4 | 04° 44' 9249"W | 53° 18' 9281"N |
| 5 | 04° 44' 9249"W | 53° 18' 2497"N |
| 6 | 04° 45' 5503"W | 53° 18' 2434"N |
| 7 | 04° 44' 8043"W | 53° 20' 0231"N |
| No visually prominent emergent tidal devices. May include limited visible components | | |
| 3 | 04° 44' 0250"W | 53° 19' 4681"N |
| 8 | 04° 41' 9730"W | 53° 19' 4682"N |
| 9 | 04° 41' 9484"W | 53° 19' 1570"N |
| 10 | 04° 42' 2903"W | 53° 19' 0273"N |
| 11 | 04° 42' 4779"W | 53° 18' 9282"N |
| 12 | 04° 42' 9306"W | 53° 18' 5900"N |
| 13 | 04° 42' 9507"W | 53° 18' 3882"N |
| 14 | 04° 42' 8982"W | 53° 18' 2530"N |
| 5 | 04° 44' 9249"W | 53° 18' 2497"N |
| 4 | 04° 44' 9249"W | 53° 18' 9281"N |
| Floating, surface emergent and submerged tidal devices | | |
| 5 | 04° 44' 9249"W | 53° 18' 2497"N |
| 14 | 04° 42' 8982"W | 53° 18' 2530"N |
| 16 | 04° 42' 8874"W | 53° 18' 2252"N |
| 17 | 04° 42' 1106"W | 53° 17' 6551"N |
| 18 | 04° 42' 1992"W | 53° 17' 3082"N |
| 19 | 04° 41' 9467"W | 53° 16' 7682"N |
| 20 | 04° 41' 3050"W | 53° 16' 4193"N |
| 21 | 04° 41' 1863"W | 53° 16' 2281"N |
| 22 | 04° 44' 0250"W | 53° 16' 2281"N |
| 23 | 04° 44' 0250"W | 53° 17' 3081"N |
| 24 | 04° 44' 9249"W | 53° 17' 3081"N |
| Submerged tidal devices with a 8 m UKC only. May include limited visible components | | |
| 2 | 04° 41' 7115"W | 53° 19' 4681"N |
| 25 | 04° 42' 5327"W | 53° 18' 3881"N |
| 20 | 04° 41' 3050"W | 53° 16' 4193"N |
| 19 | 04° 41' 9467"W | 53° 16' 7682"N |
| 18 | 04° 42' 1992"W | 53° 17' 3082"N |
| 17 | 04° 42' 1106"W | 53° 17' 6551"N |
| 16 | 04° 42' 8874"W | 53° 18' 2252"N |
| 14 | 04° 42' 8982"W | 53° 18' 2530"N |
| 13 | 04° 42' 9507"W | 53° 18' 3882"N |
| 12 | 04° 42' 9306"W | 53° 18' 5900"N |
| 11 | 04° 42' 4779"W | 53° 18' 9282"N |
| 10 | 04° 42' 2903"W | 53° 19' 0273"N |
| 9 | 04° 41' 9484"W | 53° 19' 1570"N |
| 8 | 04° 41' 9730"W | 53° 19' 4682"N |


Client:   Project: 

Title: MDZ Subzone Classifications

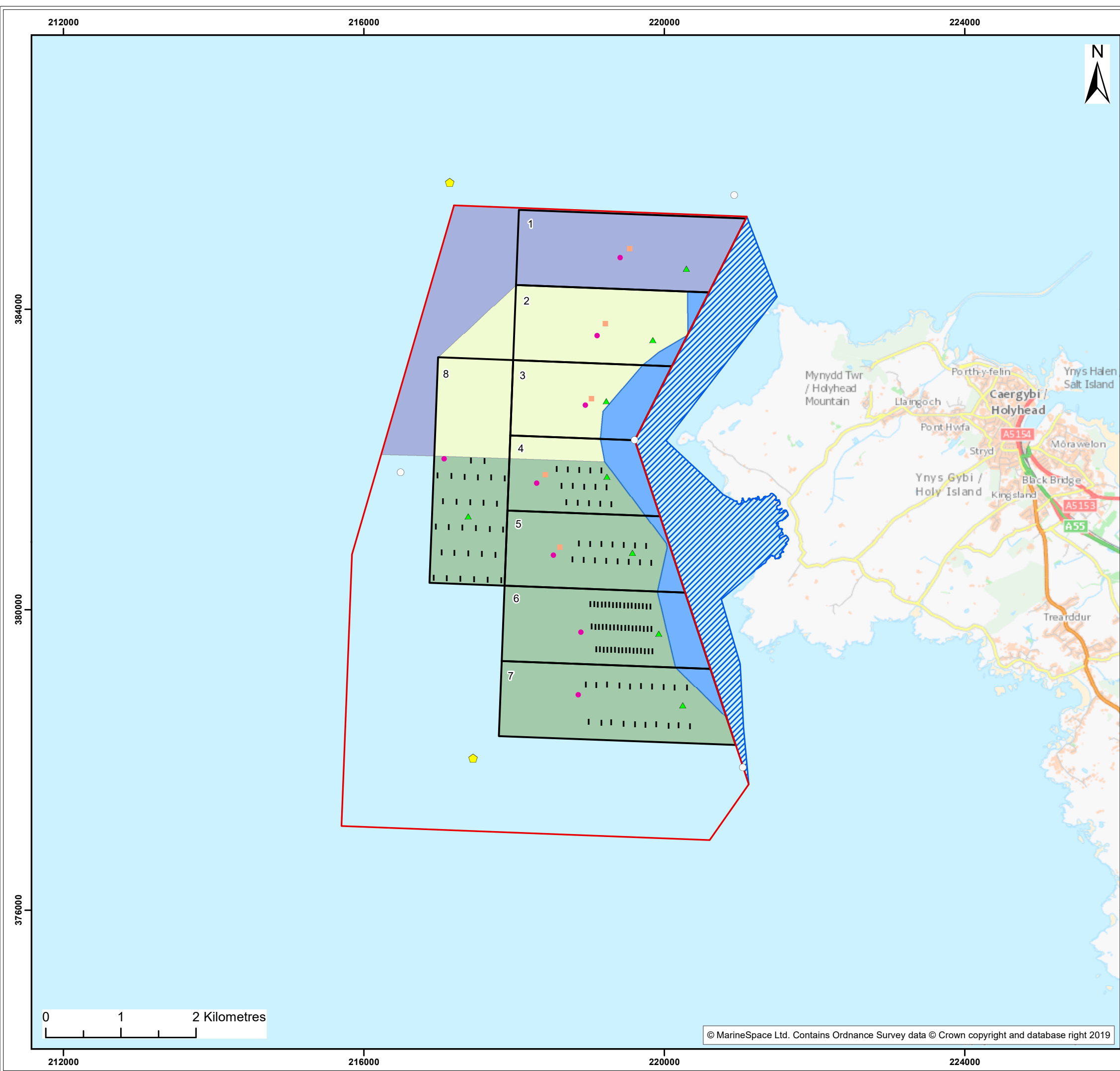
Figure: 4-1 Drawing No: PB5034-ES-004-001

| Revision: | Date: | Drawn: | Checked: | Size: | Scale: |
|-----------|------------|--------|----------|-------|----------|
| 06 | 20/08/2019 | JT | CG | A3 | 1:50,000 |
| 05 | 13/08/2019 | JT | CG | A3 | 1:50,000 |

Co-ordinate system: WGS 1984 UTM Zone 30N



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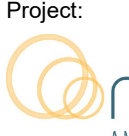
Legend:

- Morlais Demonstration Zone
- Subzones
- Export cable corridor

Device Type

- Surface emergent devices
- Cardinal buoys
- Environmental Monitoring Buoy
- Seabed monitoring buoys
- Special marker buoys
- Surface piercing electrical hub

- Submerged tidal devices with minimum 20 m Under Keel Clearance (UKC) only.
- No visually prominent emergent tidal devices. May include limited visible components.
- Floating, surface emergent and submerged tidal devices.
- Submerged tidal devices with a minimum 8 m UKC only. May include limited visible components.

Client:   Project:  **morlais**
ANGLESEY MARINE ENERGY


Title:

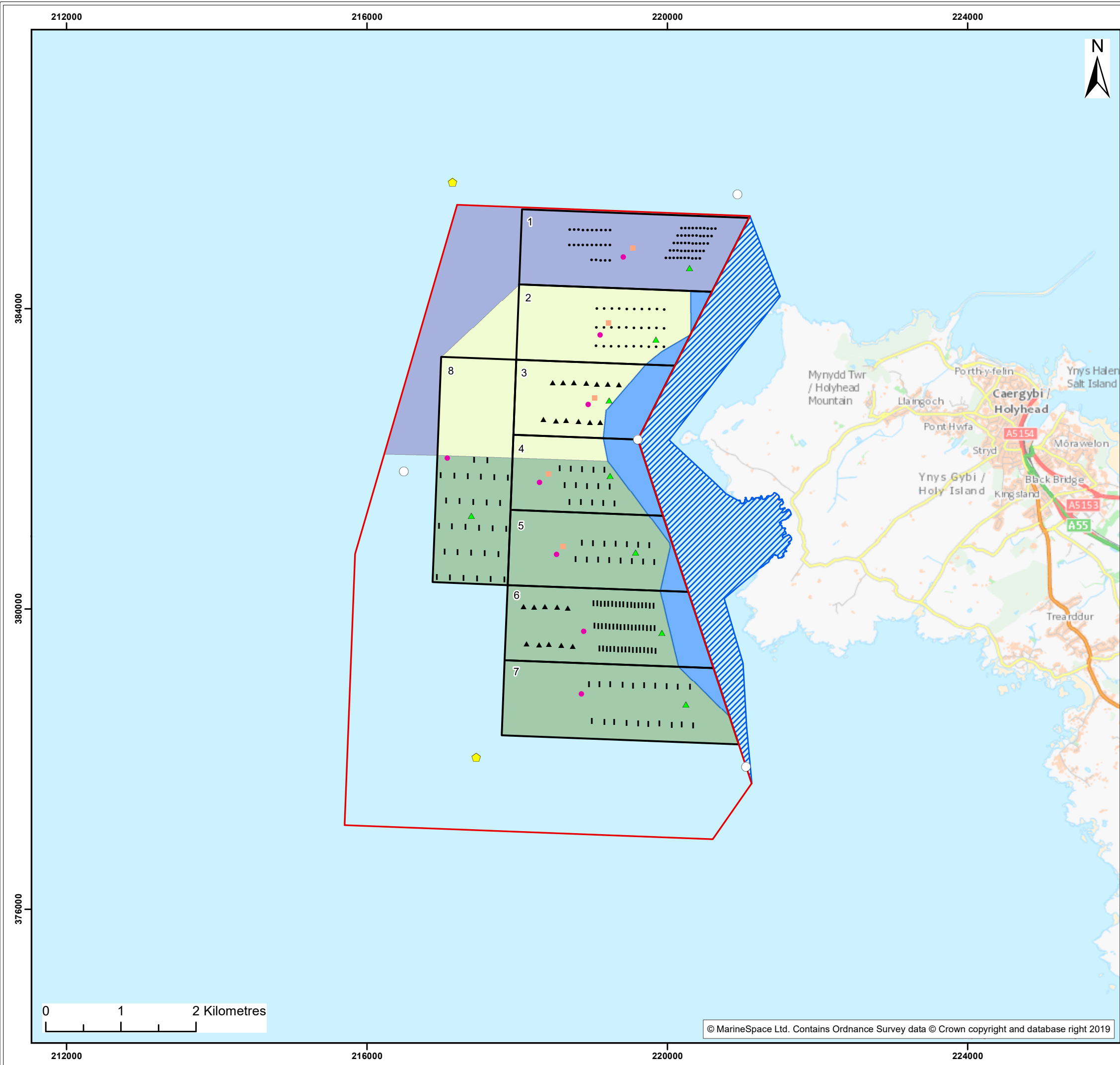
Provisional Layout 1 - 240 MW
(showing surface emergent tidal decies only)

Figure: 4-2 Drawing No: PB5034-ES--004-002

| Revision: | Date: | Drawn: | Checked: | Size: | Scale: |
|-----------|----------|--------|----------|-------|----------|
| 12 | 19/08/19 | IW | JL | A3 | 1:50,000 |
| | | | | | |

Co-ordinate system: British National Grid

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Legend:

- Morlais Demonstration Zone
- Export cable corridor
- Subzones

Device Type

- Surface emergent devices
- Seabed mounted devices
- Cardinal buoys
- Environmental Monitoring Buoy
- Seabed monitoring buoys
- Submerged tidal devices with minimum 20 m Under Keel Clearance (UKC) only.
- No visually prominent emergent tidal devices. May include limited visible components.
- Floating, surface emergent and submerged tidal devices.
- Submerged tidal devices with a minimum 8 m UKC only. May include limited visible components.
- Mid-water column devices
- Special marker buoys
- Surface piercing electrical hub

Client:

Project: **morlais**
ANGLESEY MARINE ENERGY

Title:

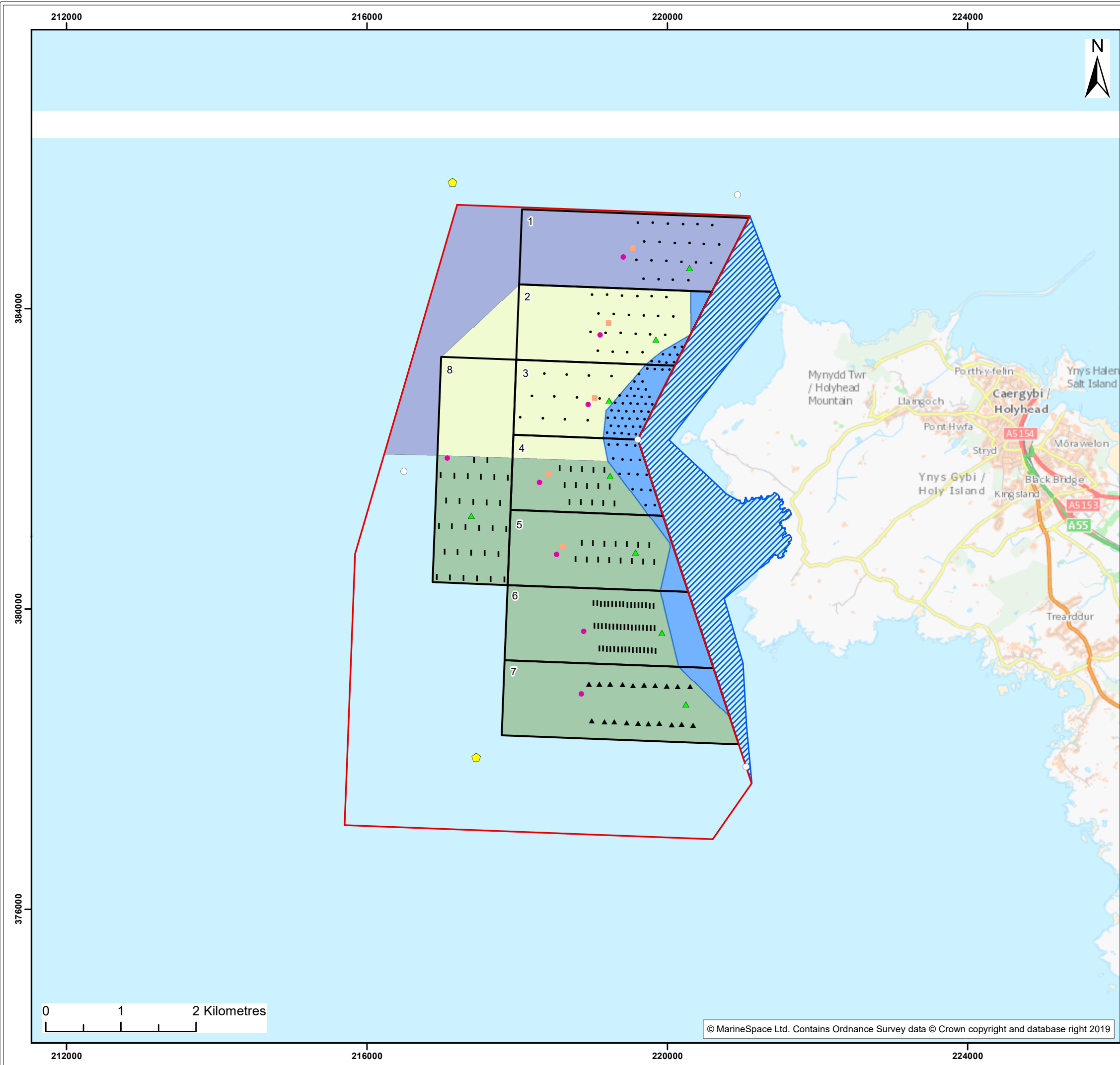
Provisional Layout 1 - 240 MW
(showing surface emergent and sub surface devices)

| | |
|-------------|--------------------------------|
| Figure: 4-3 | Drawing No: PB5034-ES--004-003 |
|-------------|--------------------------------|

| | | | | | |
|-----------|----------|--------|----------|-------|----------|
| Revision: | Date: | Drawn: | Checked: | Size: | Scale: |
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| | | | | | |

Co-ordinate system: British National Grid

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Legend:

- Morlais Demonstration Zone
- Subzones
- Export cable corridor

Device Type

- Surface emergent devices
- Seabed mounted devices
- Cardinal buoys
- Environmental Monitoring Buoy
- Seabed monitoring buoys
- Submerged tidal devices with minimum 20 m Under Keel Clearance (UKC) only.
- No visually prominent emergent tidal devices. May include limited visible components.
- Floating, surface emergent and submerged tidal devices.
- Submerged tidal devices with a minimum 8 m UKC only. May include limited visible components.
- Mid-water column devices
- Special marker buoys
- Surface piercing electrical hub

Client:

Project: **morlais**
ANGLESEY MARINE ENERGY

Title:

Provisional Layout 2 - 240 MW
(showing surface emergent and sub surface devices)

| | |
|-------------|--------------------------------|
| Figure: 4-4 | Drawing No: PB5034-ES--004-004 |
|-------------|--------------------------------|

| | | | | | |
|-----------|----------|--------|----------|-------|----------|
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Co-ordinate system: British National Grid

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