

Wylfa Newydd Project

Volume 6: Environmental Statement (Part 44/73)

ES Volume D – WNDA Development Figure Booklet – Volume D (Part 2/2)

PINS Reference Number: EN010007

Application Reference Number: 6.4.101

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Revision 1.0

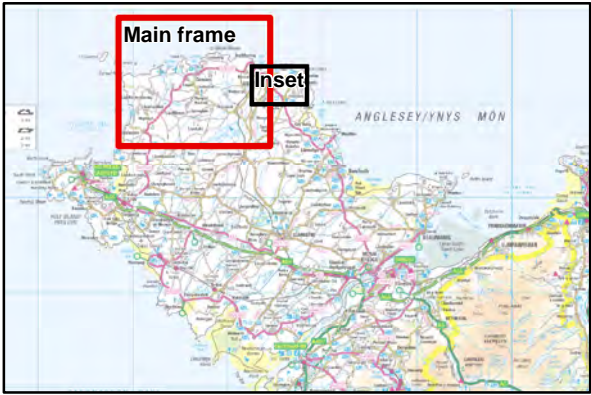
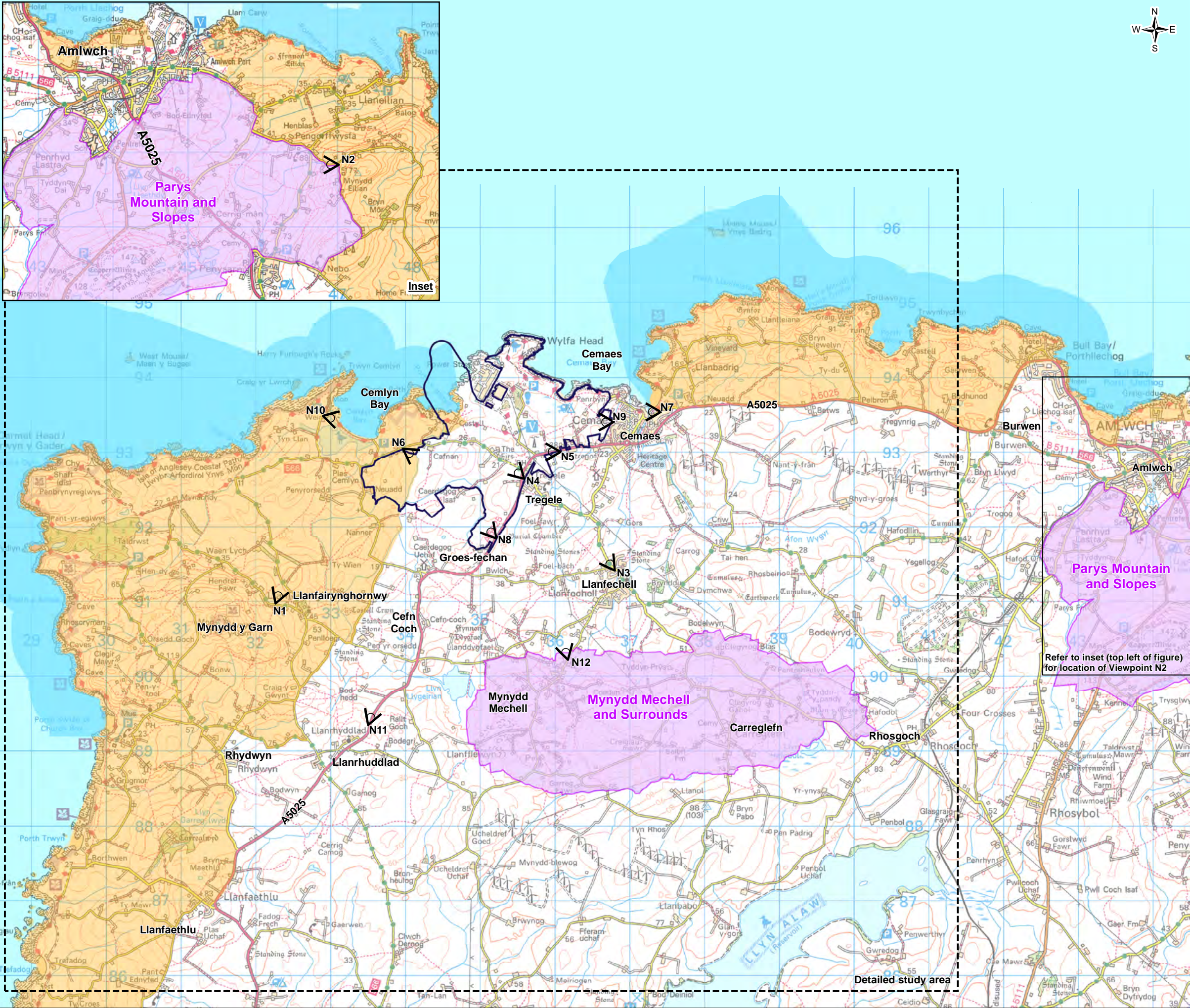
Regulation Number: 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

FIGURE D10-17

- Legend
- Wylfa Newydd Development Area
 - Detailed study area
 - Night-time viewpoint position and direction
 - Isle of Anglesey Area of Outstanding Natural Beauty
 - North Anglesey Heritage Coast
 - Special Landscape Area



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title						
NIGHT-TIME VIEWPOINT LOCATION PLAN						
Scale @ A3	1:50,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.						
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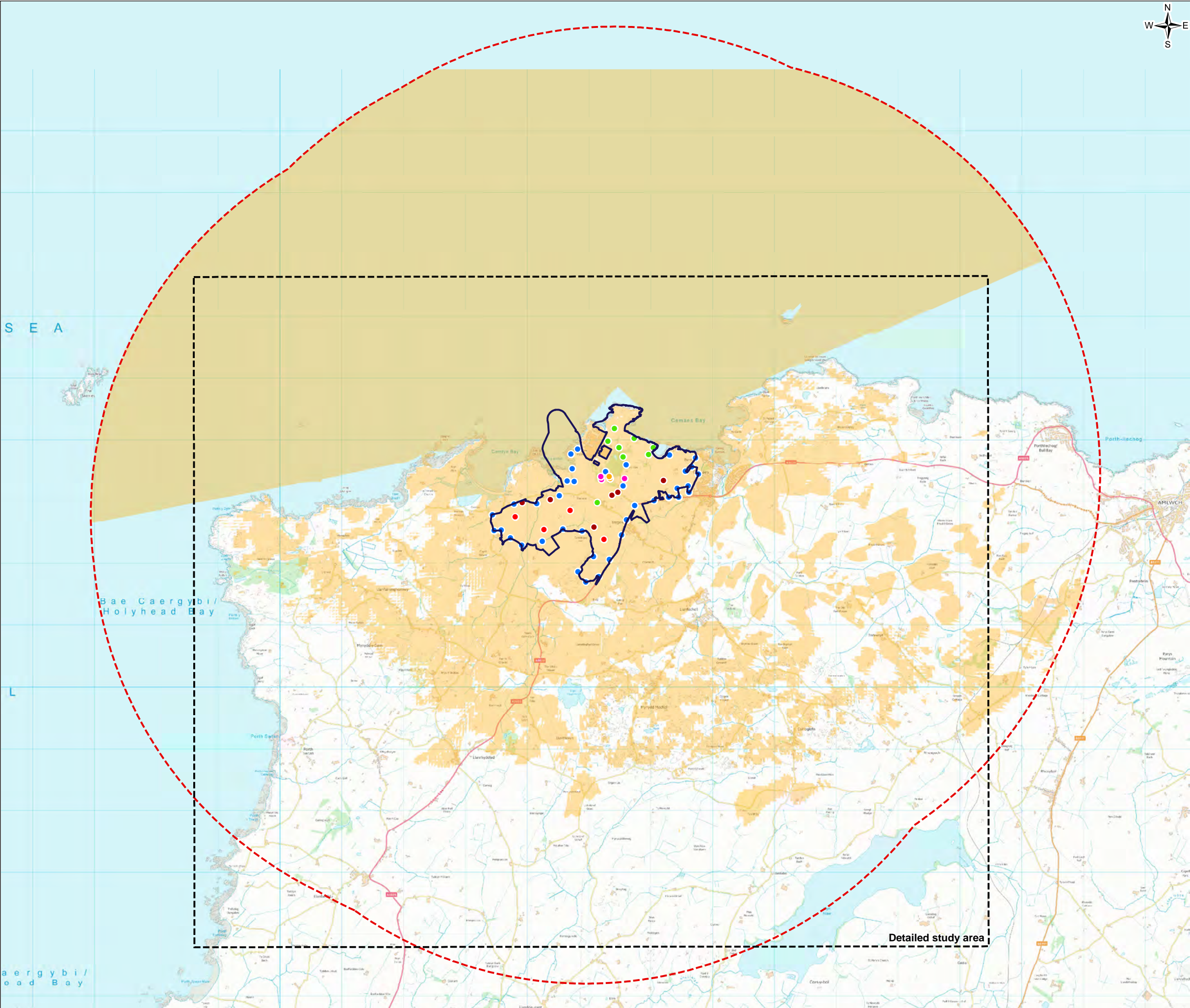


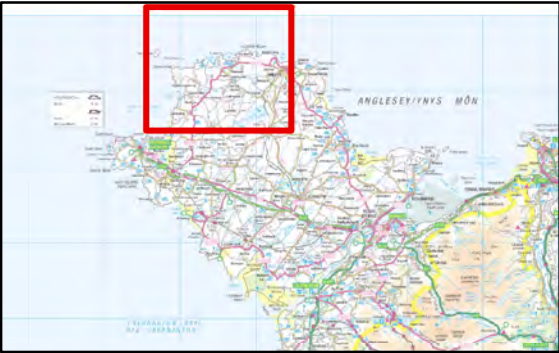
FIGURE D10-18

Legend

- Wylfa Newydd Development Area
- 6.5km limit to Zone of Theoretical Visibility (ZTV) assessment
- ZTV assessment points
 - Temporary construction fencing
 - Temporary internal boundary fencing
 - Temporary security fencing
 - Timber hoarding
 - Storage mounds and stone stockpile
 - Field boundary removal/vegetation clearance
- Combined ZTV for assessment points
 - No theoretical visibility
 - Theoretical visibility of combined Site Preparation and Clearance assessment points

Notes:

- 1) ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
- 2) The ZTV is based upon a bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
- 3) The ZTV has been modelled with a viewing height of 1.7m.
- 4) The ZTV results have been calculated up to 6.5km from the assessment points (the extent of which has been represented on this plan). The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from within this area.
- 5) Heights used for assessment points to represent the following heights above existing ground level:
 - Temporary construction fencing (2m)
 - Temporary internal boundary fencing (0.9m)
 - Temporary security fencing (3m)
 - Timber hoarding (2.4m)
 - Storage mounds and stone stockpile (3m)
 - Field boundary removal/vegetation clearance (1.5m)
- 6) Field boundary removal/vegetation clearance assessment points have only been shown on high points where no fencing is proposed.



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			ZONE OF THEORETICAL VISIBILITY - SITE PREPARATION AND CLEARANCE			
Scale @ A3	1:60,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_D_10_18					
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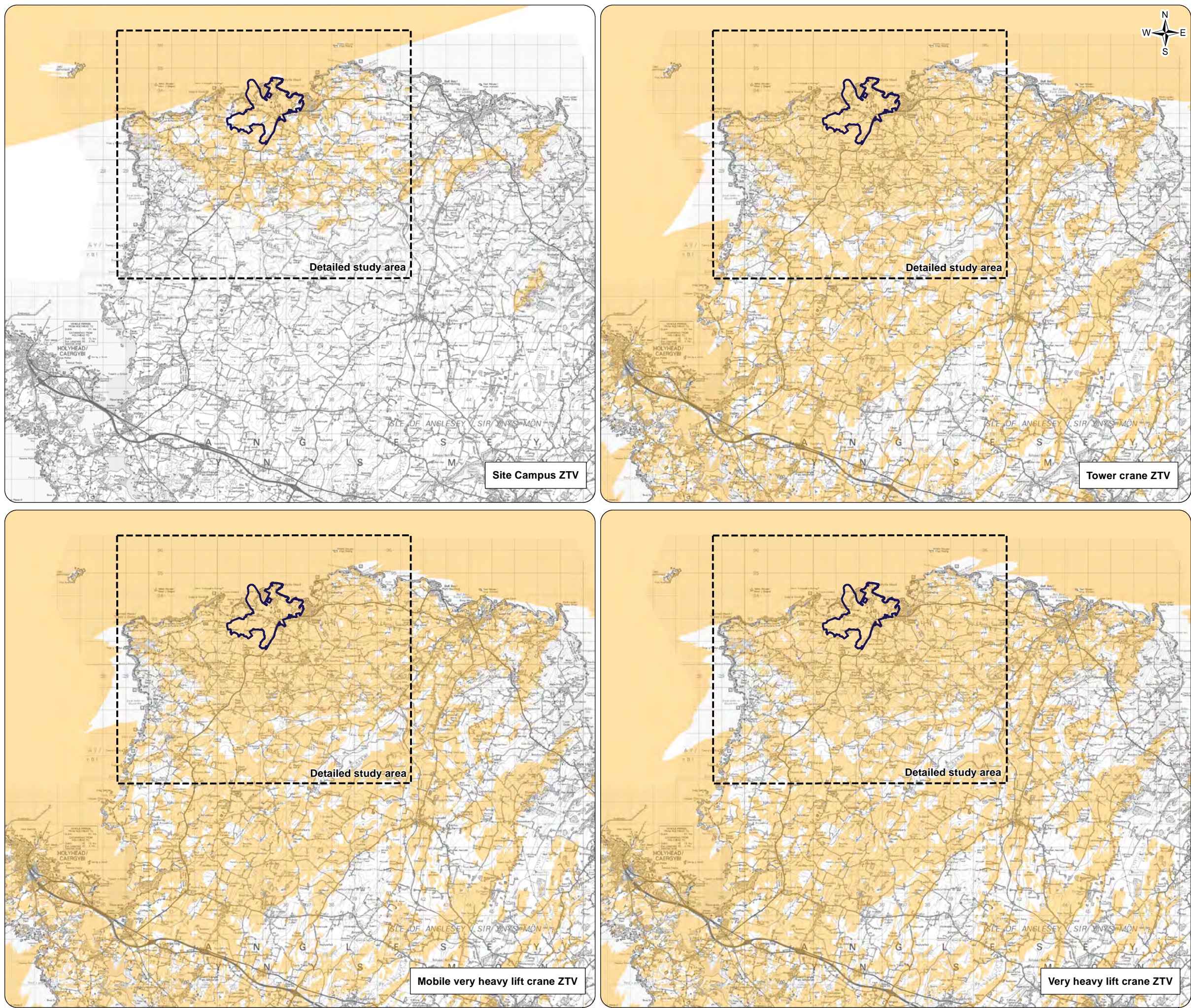
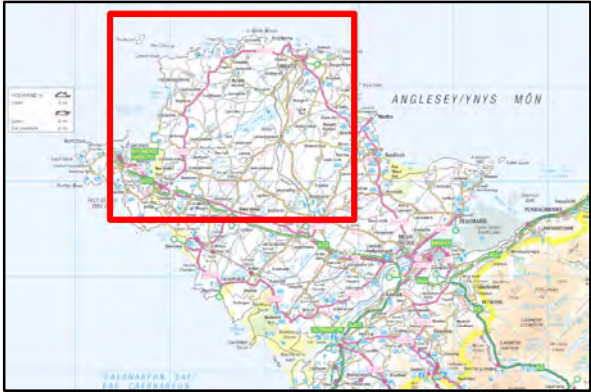


FIGURE D10-19

- Legend**
- Wylfa Newydd Development Area
 - Detailed study area
 - Zone of Theoretical Visibility (ZTV)
 - No theoretical visibility
 - Theoretical visibility
- Notes:**
- Each inset coverage encompasses the overarching study area (the detailed study area is shown for information).
 - ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
 - The ZTV is based upon a bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
 - The ZTV has been modelled with a viewing height of 1.7m.
 - The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from the area surrounding the Wylfa Newydd Development Area, based on the maximum Wylfa Newydd Project parameter heights.
 - For assessment point locations for Site Campus, refer to figure D10-20 in this figure booklet.
For assessment point locations for very heavy lift crane, mobile very heavy lift cranes and tower cranes, refer to figure D10-21 in this figure booklet.
 - Heights used for assessment points to represent the maximum Wylfa Newydd Project parameters:
 - Very heavy lift crane (270m high - 292m Above Ordnance Datum (AOD))
 - Mobile very heavy lift crane (220m high – between 234m AOD and 265m AOD)
 - Tower crane (192m high – between 206m AOD and 237m AOD)
 - Site Campus accommodation blocks (between 18m and 32m high – between 41m AOD and 55m AOD).



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			ZONE OF THEORETICAL VISIBILITY BUILD UP FOR MAIN CONSTRUCTION CRANES AND SITE CAMPUS – OVERARCHING STUDY AREA			
Scale @ A3	1:163,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_VOL_D_10_19			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

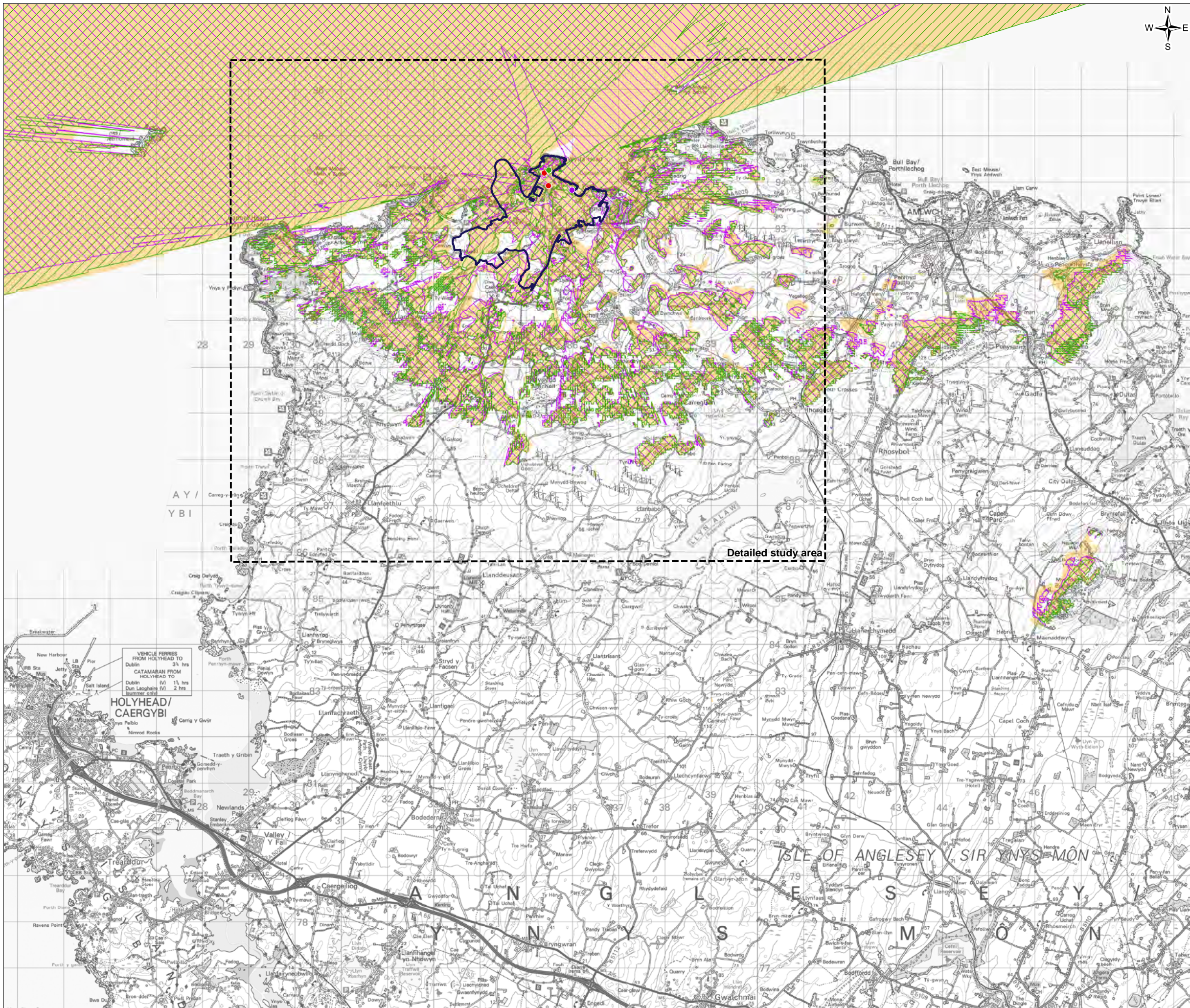


FIGURE D10-20

- Legend
- Wyifa Newydd Development Area
 - Detailed study area
- Zone of Theoretical Visibility (ZTV) assessment points
- Site Campus accommodation blocks 32m high (55m Above Ordnance Datum (AOD))
 - Site Campus accommodation blocks 27m high (50m AOD)
 - Site Campus accommodation blocks 18m high (41m AOD)
- ZTV
- No theoretical visibility
 - Theoretical visibility of 32m high Site Campus accommodation blocks assessment points
 - Theoretical visibility of 27m high Site Campus accommodation blocks assessment point
 - Theoretical visibility of 18m high Site Campus accommodation blocks assessment point
- Notes:
- 1) This figure coverage encompasses the overarching study area.
 - 2) ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
 - 3) The ZTV is based upon a bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
 - 4) The ZTV has been modelled with a viewing height of 1.7m.
 - 5) The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from the area surrounding the Wyifa Newydd Development Area, based on the maximum Wyifa Newydd Project parameter heights.
 - 6) Heights used for assessment points to represent the maximum Wyifa Newydd Project parameters:
 - Site Campus accommodation blocks (between 18m and 32m high - between 41m AOD and 55m AOD)All locations of assessment points are indicative only.



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			ZONE OF THEORETICAL VISIBILITY MAIN CONSTRUCTION SITE CAMPUS – OVERARCHING STUDY AREA			
Scale @ A3		1:80,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.			60PO8077_DCO_VOL_D_10_20			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

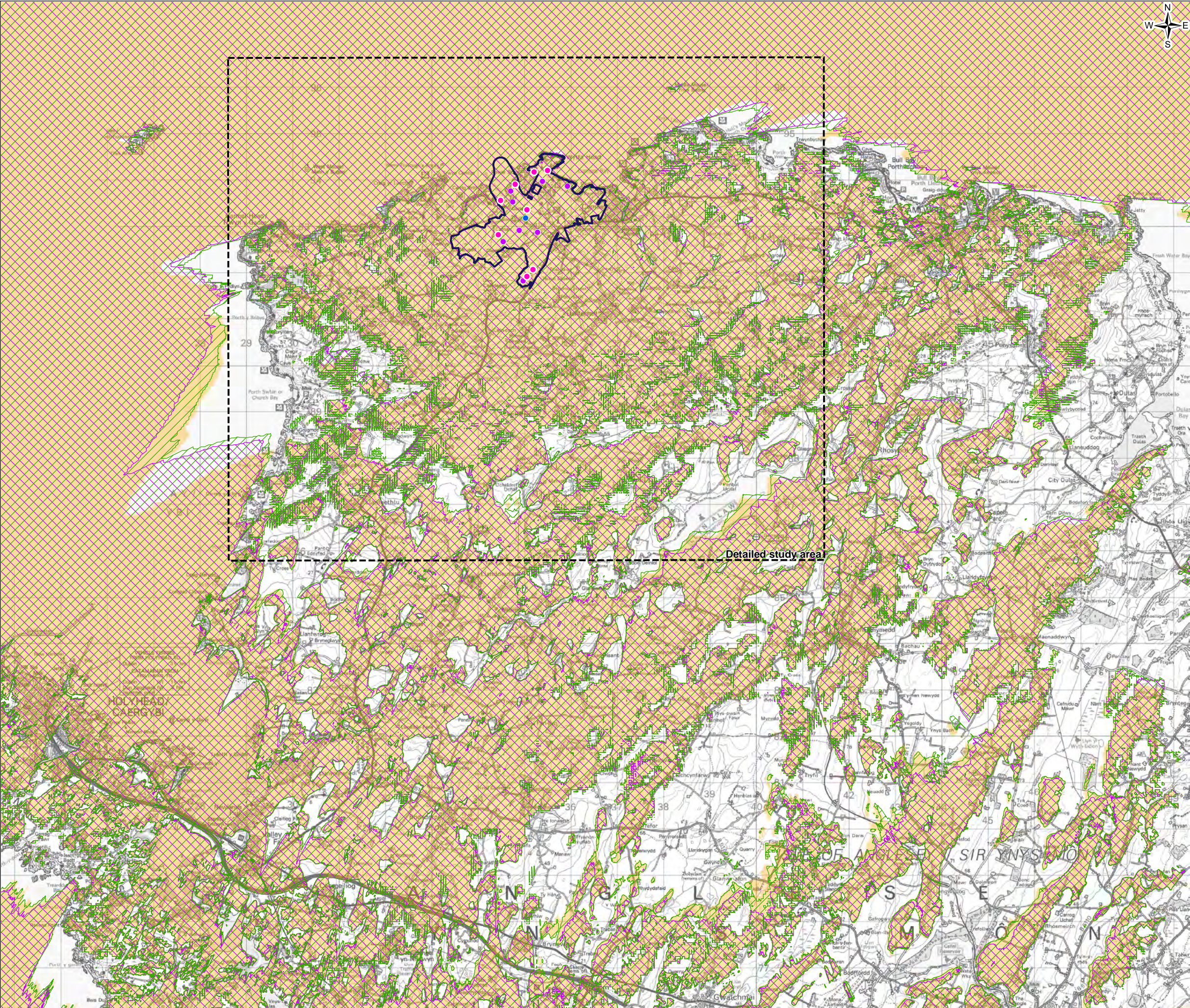
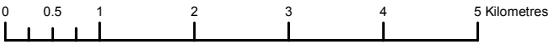


FIGURE D10-21

- Legend
- Wylfa Newydd Development Area
 - Detailed study area
- Zone of Theoretical Visibility (ZTV) assessment points
- Very heavy lift crane
 - Mobile very heavy lift crane
 - Tower crane
- ZTV
- No theoretical visibility
 - Theoretical visibility of very heavy lift crane assessment points
 - Theoretical visibility of mobile very heavy lift cranes assessment points
 - Theoretical visibility of tower cranes assessment points
- Notes:
- 1) This figure coverage encompasses the overarching study area.
 - 2) ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
 - 3) The ZTV is based upon a bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
 - 4) The ZTV has been modelled with a viewing height of 1.7m.
 - 5) The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from the area surrounding the Wylfa Newydd Development Area, based on the maximum Wylfa Newydd Project parameter heights.
 - 6) Heights used for assessment points to represent the maximum Wylfa Newydd Project parameters:
 - Very heavy lift crane (270m high - 292m Above Ordnance Datum (AOD))
 - Mobile very heavy lift crane (220m high - between 234m AOD and 265m AOD)
 - Tower crane (192m high - between 206m AOD and 237m AOD)All locations of assessment points are indicative only.



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			HORIZON NUCLEAR POWER			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			ZONE OF THEORETICAL VISIBILITY COMBINED MAIN CONSTRUCTION CRANES - OVERARCHING STUDY AREA			
Scale @ A3		1:80,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_VOL_D_10_21				



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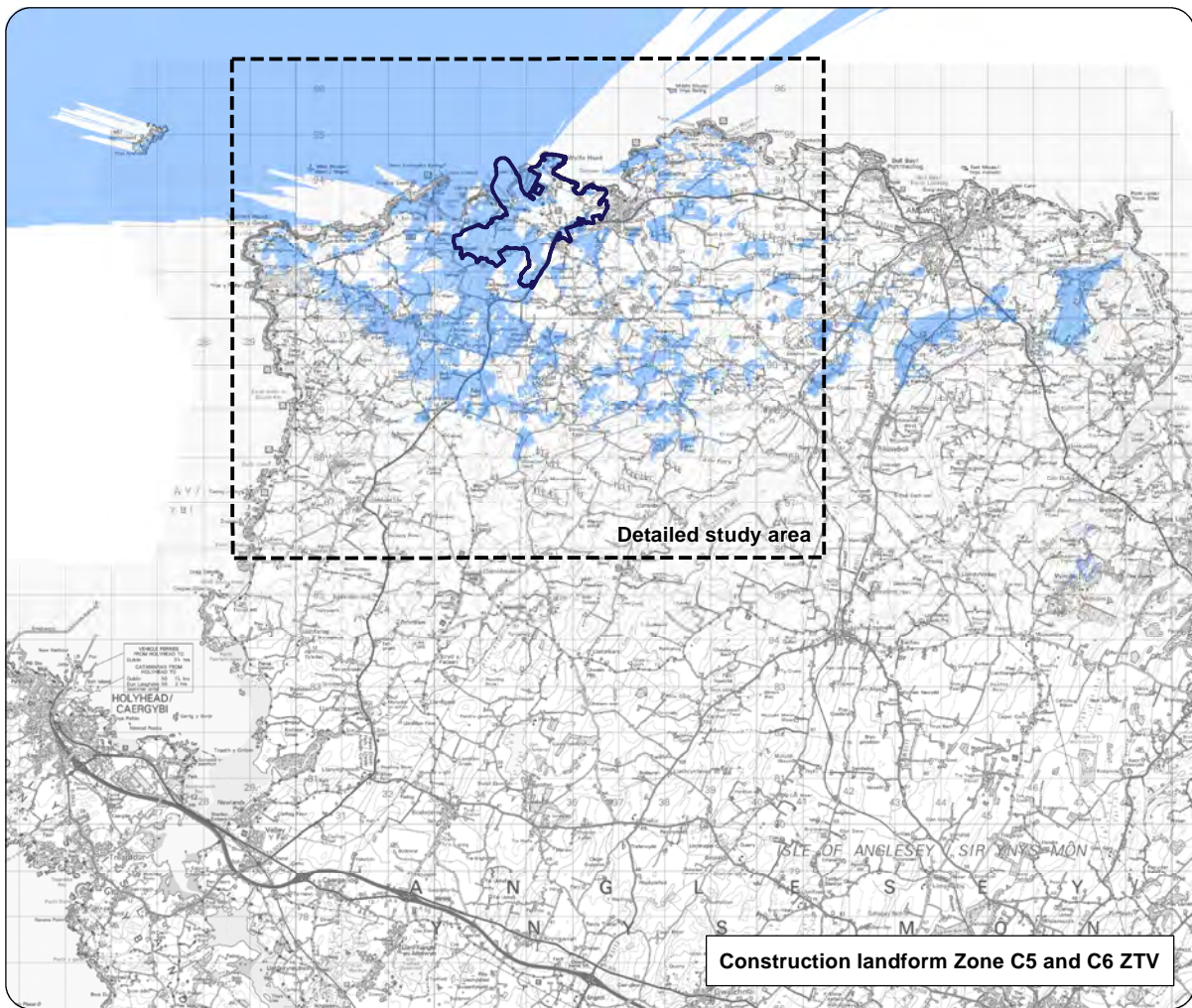
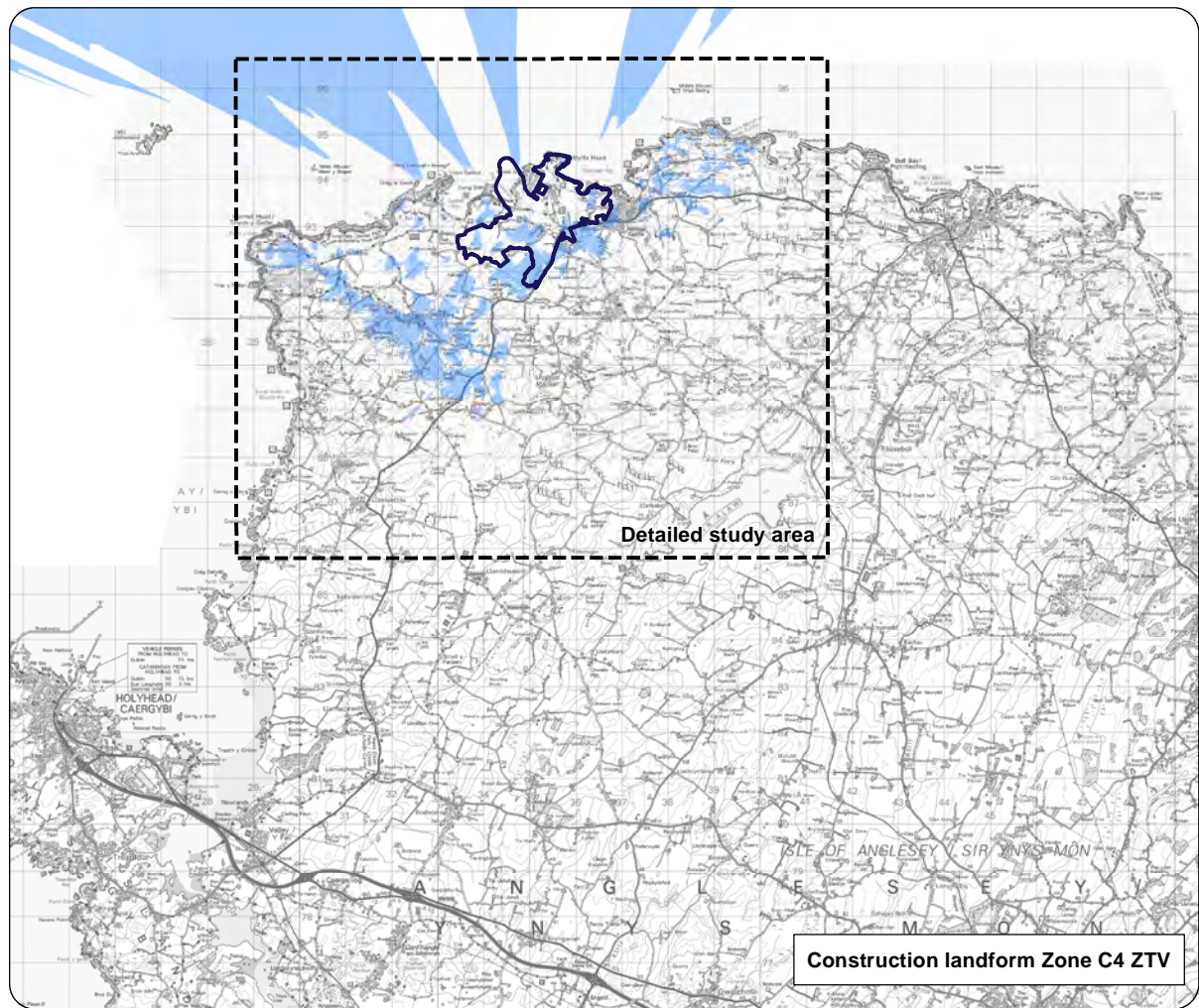
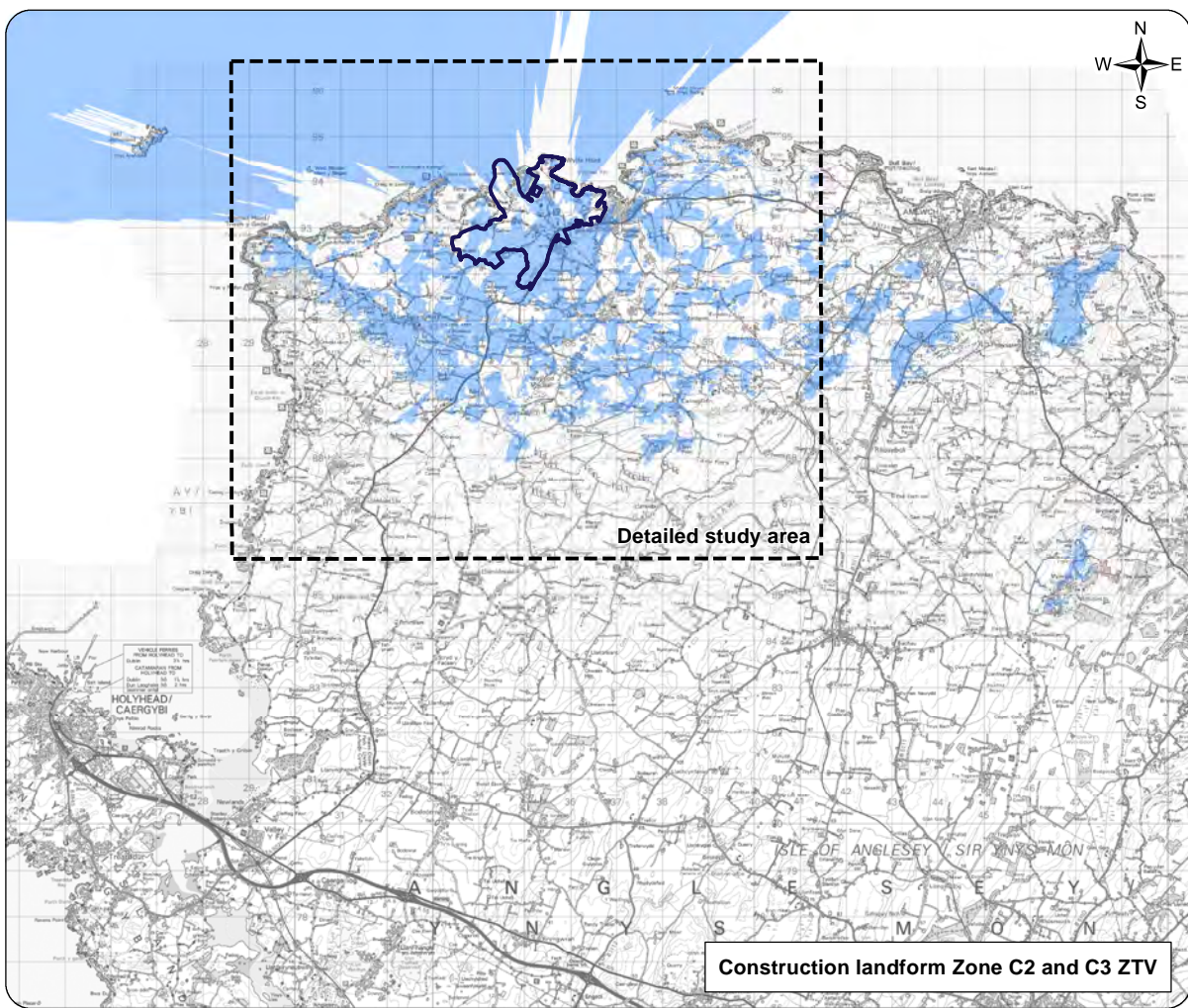
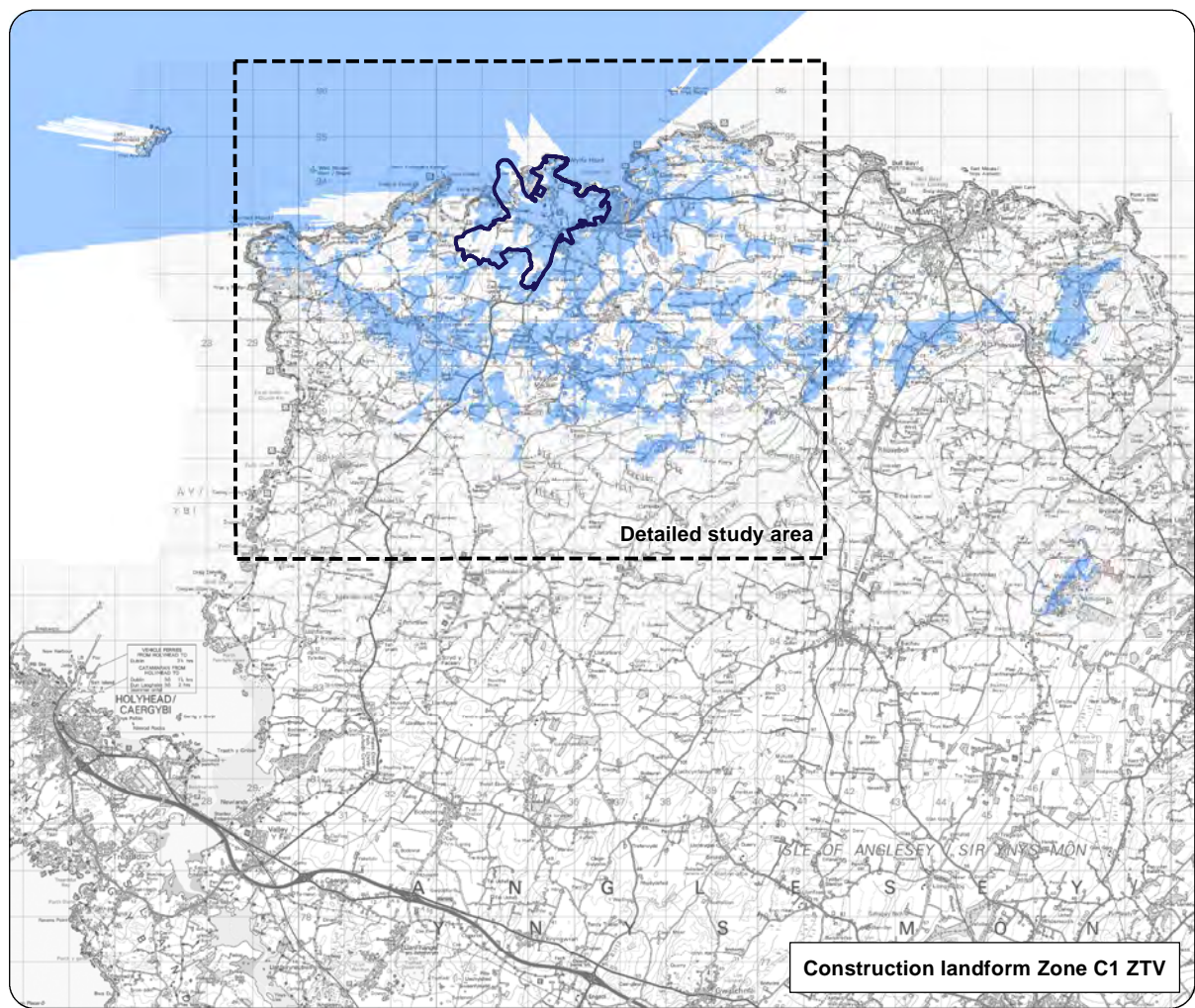


FIGURE D10-22

Legend

Wylfa Newydd Development Area

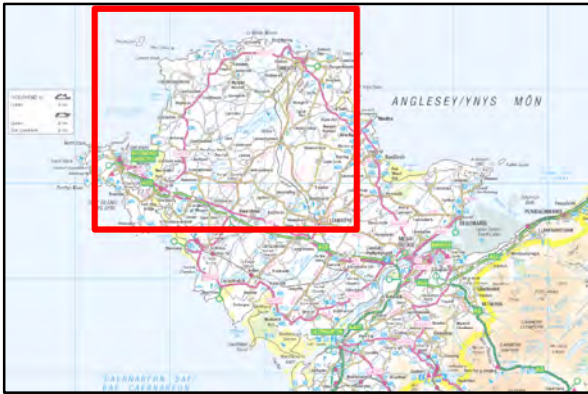
Detailed study area


Zone of Theoretical Visibility (ZTV)

No theoretical visibility

Theoretical visibility

- Notes:
- 1) Each inset coverage encompasses the overarching study area (the detailed study area is shown for information).
 - 2) ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
 - 3) The ZTV is based upon a bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
 - 4) The ZTV has been modelled with a viewing height of 1.7m.
 - 5) The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from the area surrounding the Wylfa Newydd Development Area, based on the maximum Wylfa Newydd Project parameter heights.
 - 6) For assessment points for the construction landform, refer to figure D10-23. For locations of the construction Zones, refer to figure D1-1 in this figure booklet.
 - 7) Heights used for assessment points to represent the maximum Wylfa Newydd Project parameters:
 - Construction landform (between 35m Above Ordnance Datum (AOD) and 50m AOD)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			ZONE OF THEORETICAL VISIBILITY BUILD UP FOR MAIN CONSTRUCTION LANDFORM – OVERARCHING STUDY AREA			
Scale @ A3	1:163,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_VOL_D_10_22			
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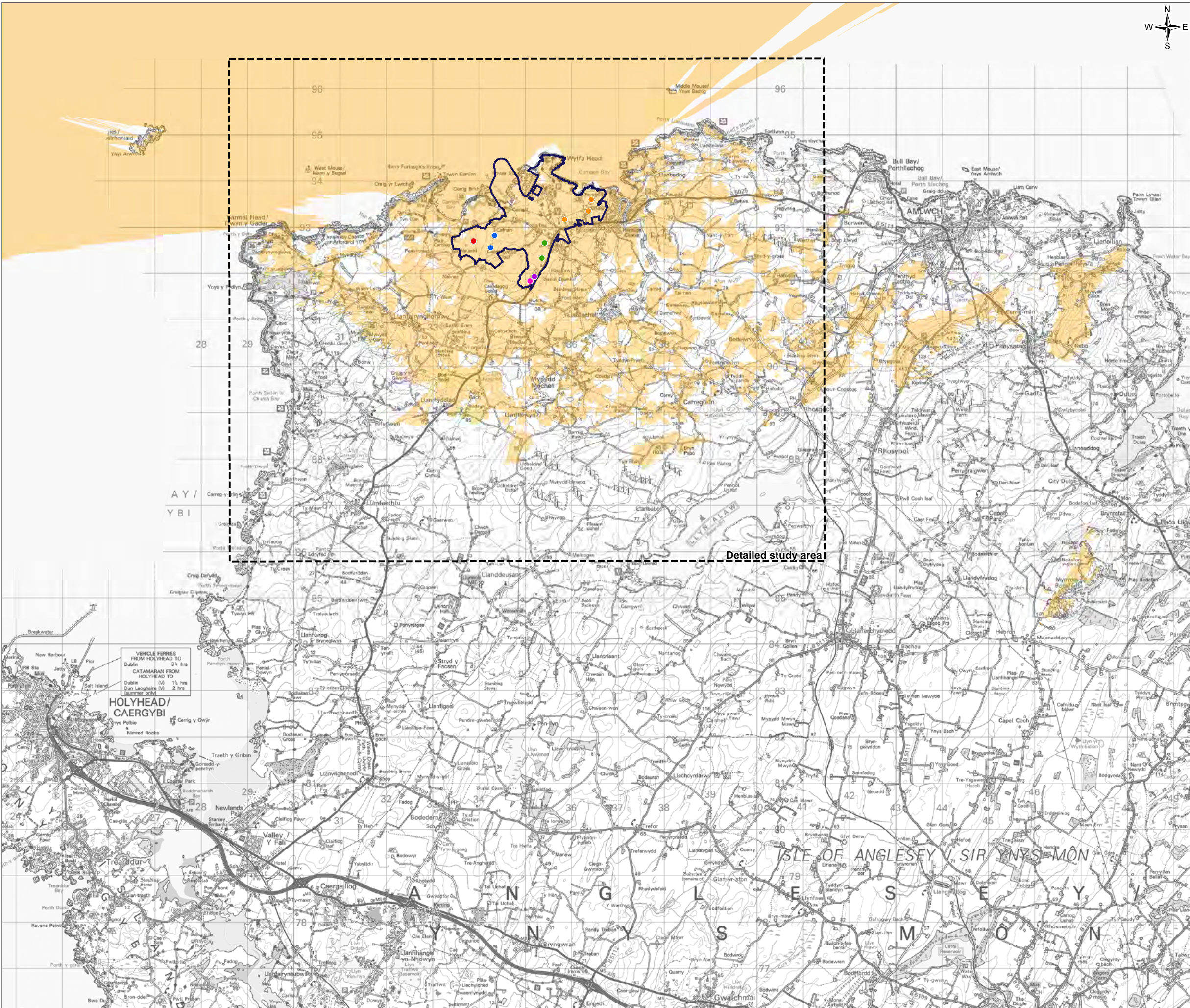


FIGURE D10-23

Legend

- Wylfa Newydd Development Area
- Detailed study area

Zone of Theoretical Visibility (ZTV) assessment points

- Construction landform Zone C1
- Construction landform Zone C2
- Construction landform Zone C3
- Construction landform Zone C4
- Construction landform Zone C5
- Construction landform Zone C6

ZTV

- No theoretical visibility
- Theoretical visibility of combined construction landform

- Notes:
- This figure coverage encompasses the overarching study area.
 - ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
 - The ZTV is based upon a bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
 - The ZTV has been modelled with a viewing height of 1.7m.
 - The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from the area surrounding the Wylfa Newydd Development Area, based on the maximum Wylfa Newydd Project parameter heights.
 - Heights used for assessment points to represent the maximum Wylfa Newydd Project parameters:
 - Construction landform (between 35m Above Ordnance Datum (AOD) and 50m AOD)All locations of assessment points are indicative only. For locations of the construction Zones, refer to figure D1-1 in this figure booklet.



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			ZONE OF THEORETICAL VISIBILITY COMBINED MAIN CONSTRUCTION LANDFORM - OVERARCHING STUDY AREA			
Scale @ A3		1:80,000	DO NOT SCALE			
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Client No.						
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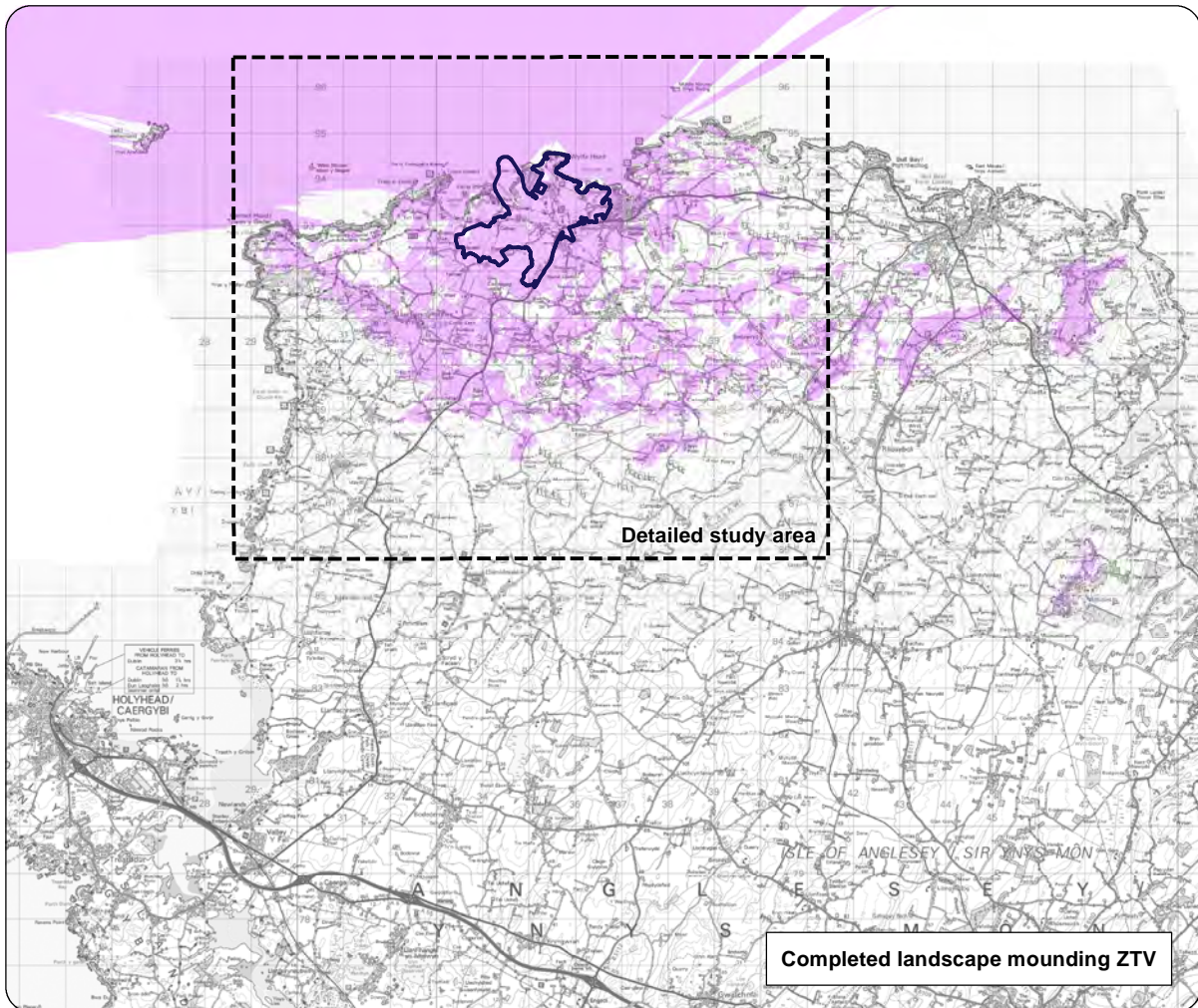
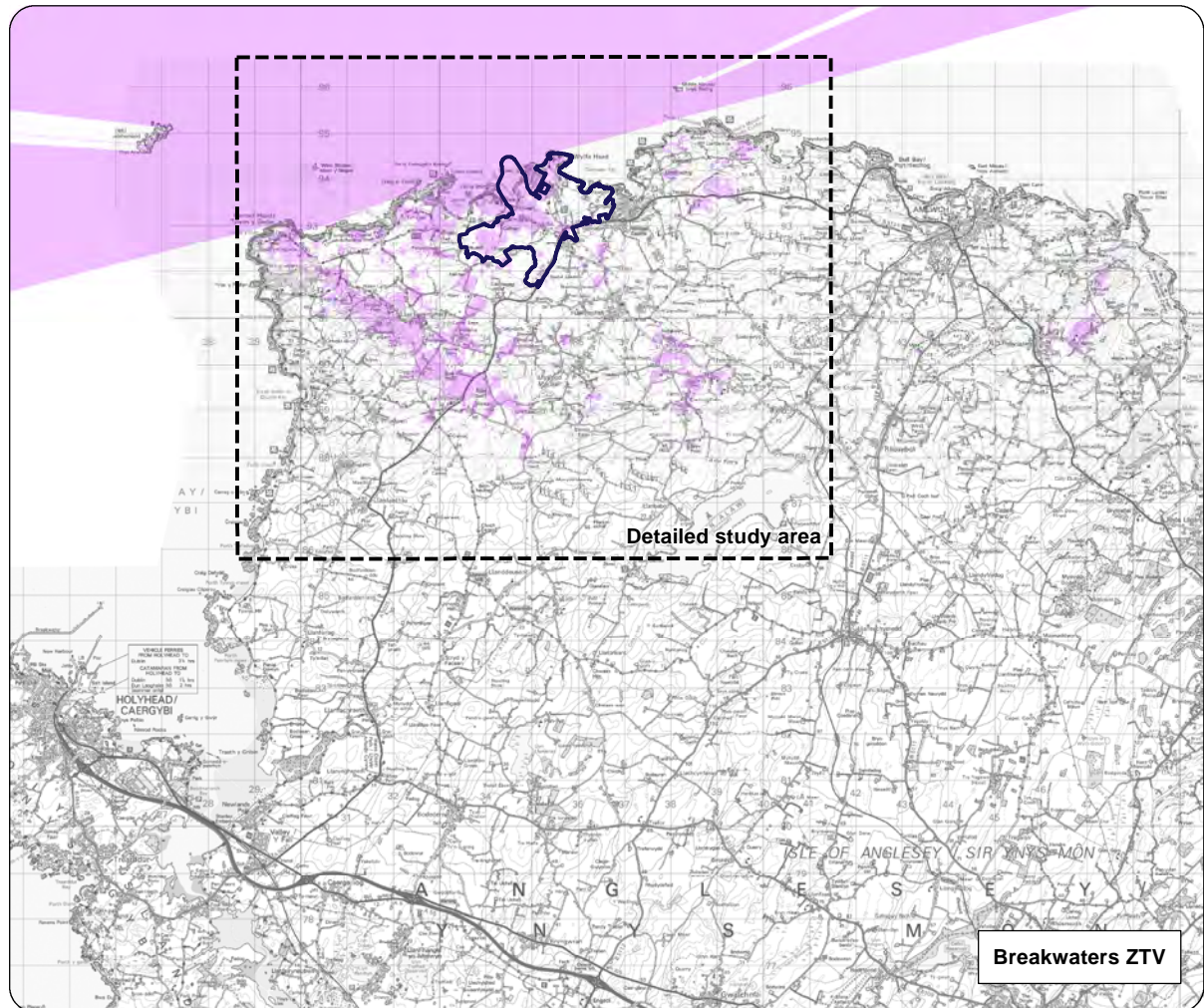
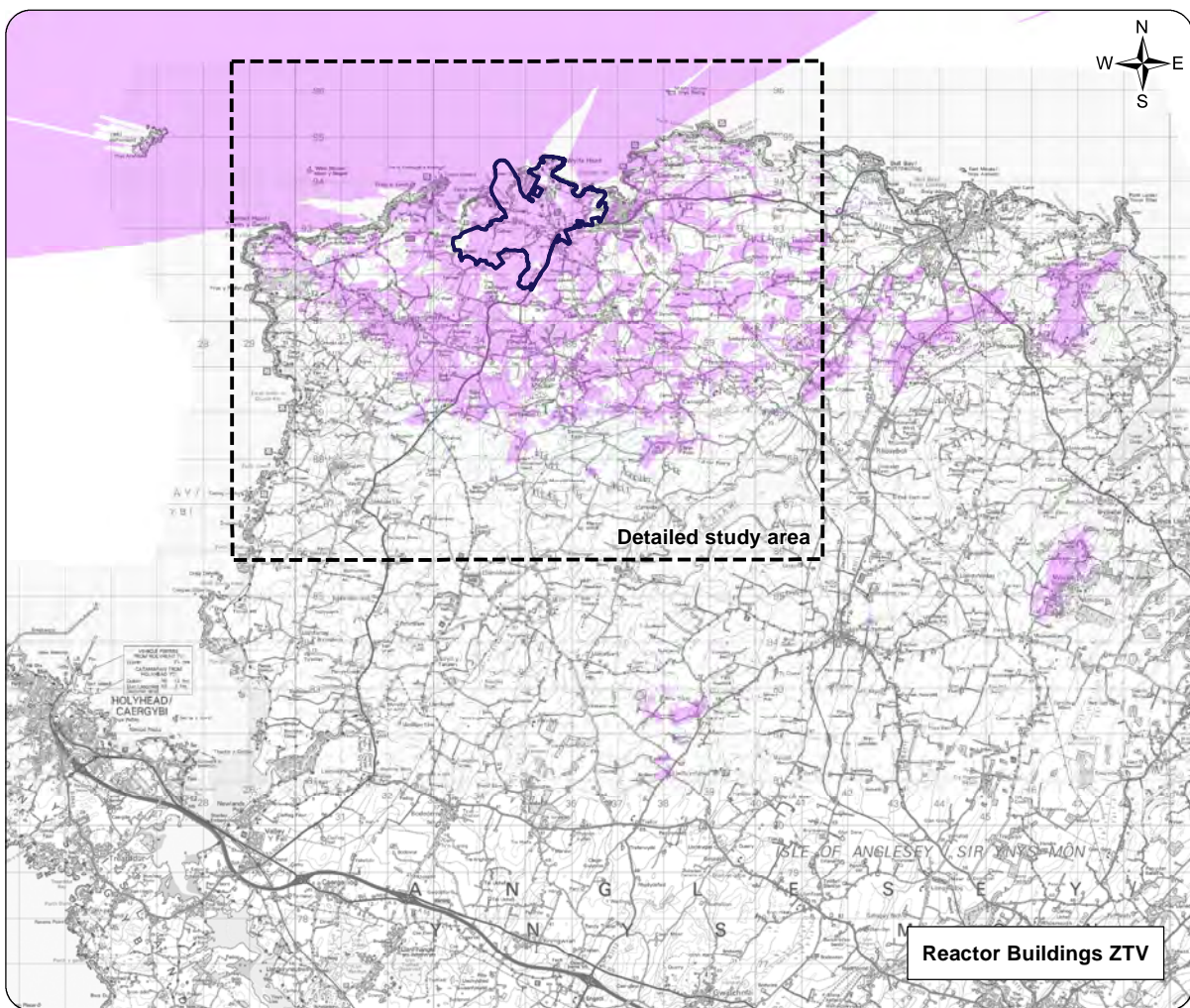
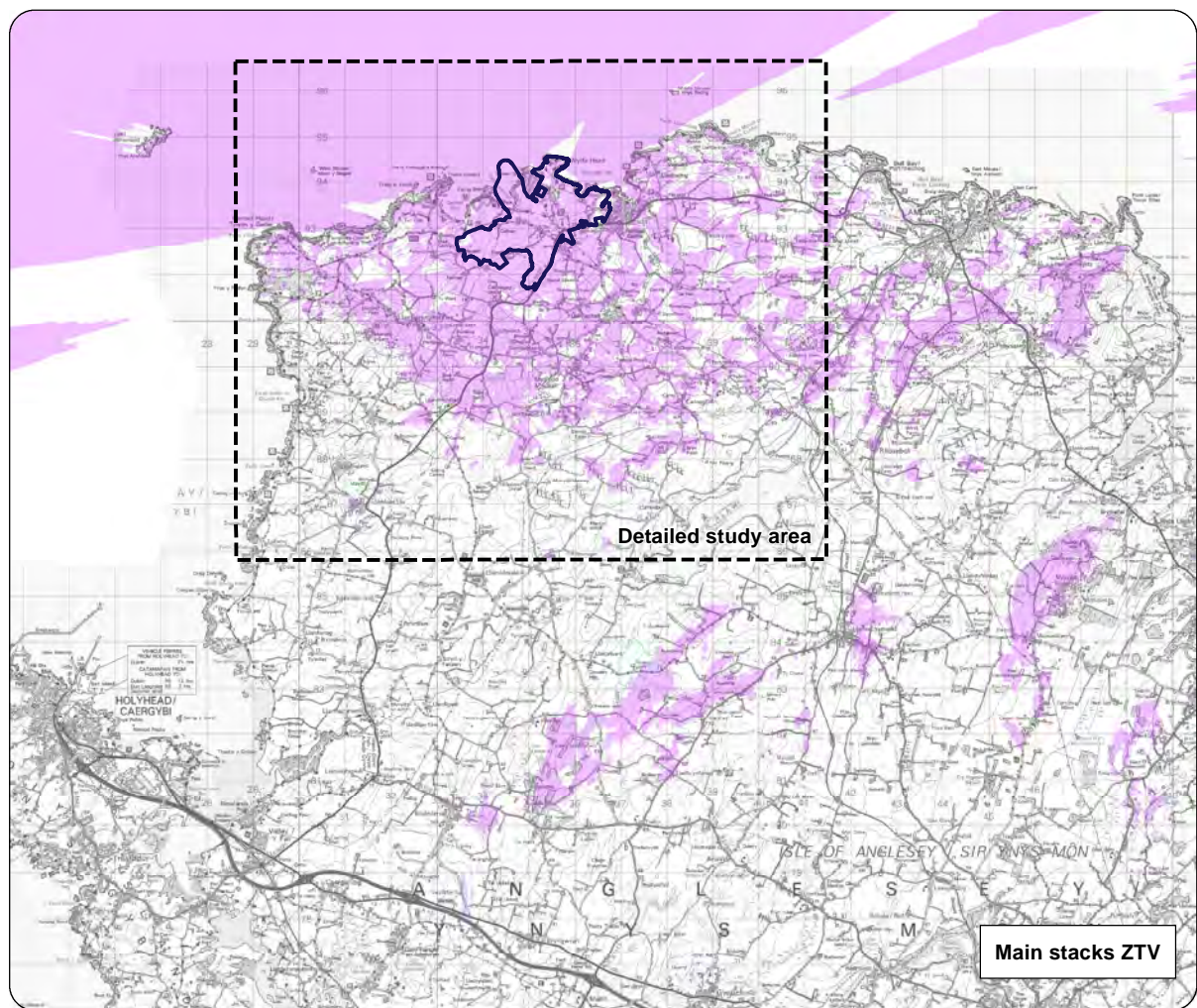


FIGURE D10-24

Legend

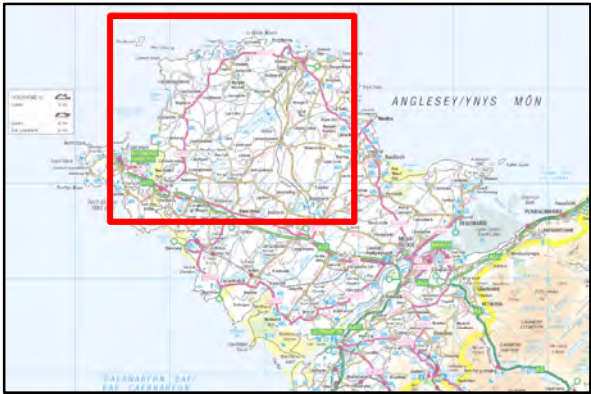
- Wylfa Newydd Development Area
- Detailed study area
- Zone of Theoretical Visibility
 - No theoretical visibility
 - Theoretical visibility

Notes:

- Each inset coverage encompasses the overarching study area.
- ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
- The ZTV is based upon a bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
- The ZTV has been modelled with a viewing height of 1.7m.
- The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from the area surrounding the Wylfa Newydd Development Area, based on the maximum Wylfa Newydd Project parameter heights.
- For assessment points for main stacks, Reactor Buildings and breakwaters, refer to figure D10-25 in this figure booklet. For assessment points for completed landscape mounding, refer to figure D10-27 in this figure booklet.
- Heights used for assessment points to represent the maximum Wylfa Newydd Project parameters:
 - Main stacks (98m Above Ordnance Datum (AOD) and 95m AOD)
 - Reactor Buildings (67m AOD)
 - Western breakwater (14m AOD)
 - Eastern breakwater (13m AOD)

Heights used for assessment points to represent the maximum indicative design spot heights of completed landscape mounding:

- Completed landscape mounding (between 30m Above Ordnance Datum (AOD) and 43m AOD)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Client

HORIZON
NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

ZONE OF THEORETICAL VISIBILITY
BUILD UP FOR PERMANENT FEATURES -
OVERARCHING STUDY AREA

Scale @ A3	1:163,000	DO NOT SCALE
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Jacobs No.	60PO8077
Client No.	

Drawing No.

60PO8077_DCO_VOL_D_10_24

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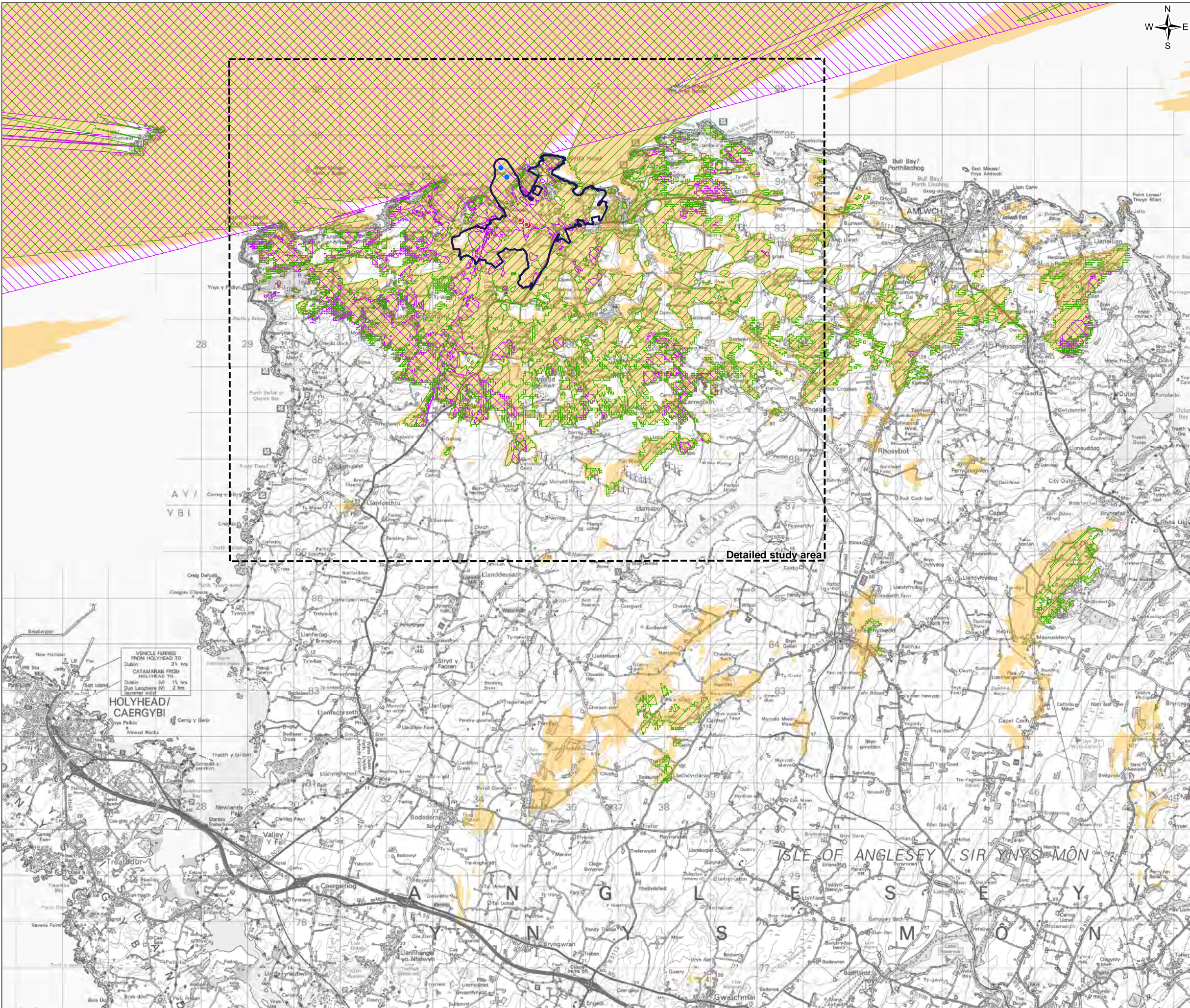


FIGURE D10-25

Legend

- Wylfa Newydd Development Area
- Detailed study area
- Zone of Theoretical Visibility (ZTV) assessment points
 - Main stack
 - Reactor Building
 - Breakwater
- ZTV
 - No theoretical visibility
 - Theoretical visibility of main stacks assessment points
 - Theoretical visibility of Reactor Building assessment points
 - Theoretical visibility of breakwaters assessment points

Notes:

- This figure coverage encompasses the overarching study area.
- ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
- The ZTV is based upon a bare earth ground model and therefore onlytakes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
- The ZTV has been modelled with a viewing height of 1.7m.
- The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from the area surrounding the Wylfa Newydd Development Area, based on the maximum Wylfa Newydd Project parameter heights.
 - 4) Heights used for assessment points to represent the maximum Wylfa Newydd Project parameters:
 - Main stacks (98m Above Ordnance Datum (AOD) and 95m AOD)
 - Reactor Buildings (67m AOD)
 - Western breakwater (14m AOD)
 - Eastern breakwater (13m AOD)

All locations of assessment points are indicative only.

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
Project		WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT				
Drawing Title		ZONE OF THEORETICAL VISIBILITY POWER STATION BUILDINGS AND BREAKWATERS - OVERARCHING STUDY AREA				
Scale @ A3		1:80,000		DO NOT SCALE		
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_VOL_D_10_25				
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

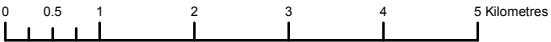


FIGURE D10-26

Legend

Wylfa Newydd Development Area

Detailed study area

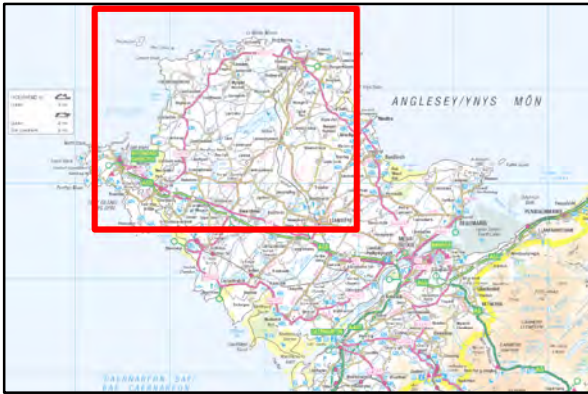
Zone of Theoretical Visibility (ZTV)

No theoretical visibility

Theoretical visibility

Notes:

- 1) Each inset coverage encompasses the overarching study area (the detailed study area is shown for information).
- 2) ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
- 3) The ZTV is based upon a bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
- 4) The ZTV has been modelled with a viewing height of 1.7m.
- 5) The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from the area surrounding the Wylfa Newydd Development Area, based on the indicative design heights.
- 6) For assessment points for the completed landscape mounding, refer to figure D10-27 in this figure booklet.
- 7) Heights used for assessment points to represent the maximum indicative design spot heights of completed landscape mounding:
 - Mound A (36m Above Ordnance Datum (AOD), 42m AOD and 43m AOD)
 - Mound B (39m AOD and 42m AOD)
 - Mound C (40m AOD)
 - Mound D (30m AOD and 33m AOD)
 - Mound E (38m AOD)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Client

HORIZON
NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

ZONE OF THEORETICAL VISIBILITY
BUILD UP FOR OPERATIONAL LANDSCAPE MOUNDING –
OVERARCHING STUDY AREA

Scale @ A3 1:163,000 DO NOT SCALE

Jacobs No.

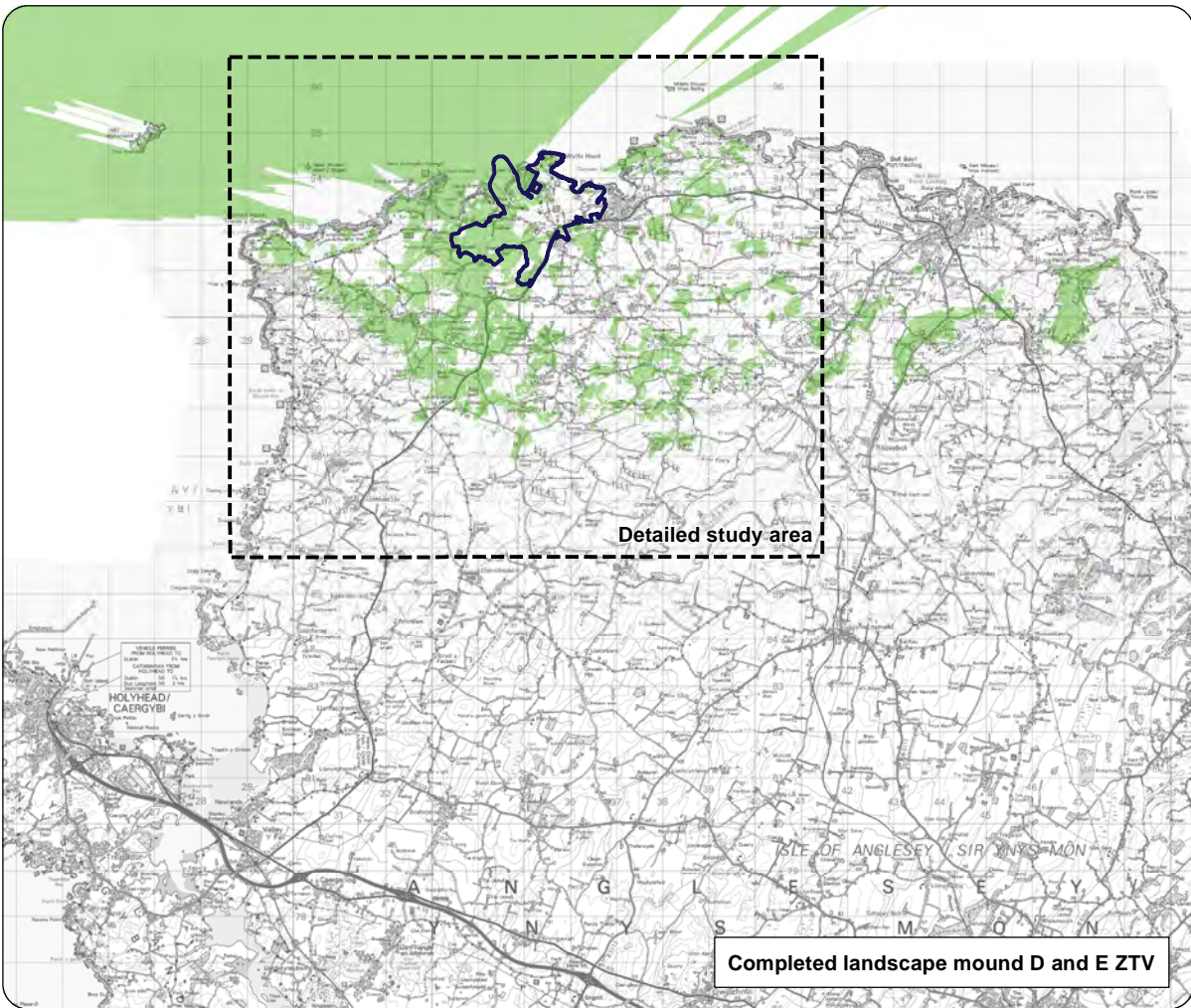
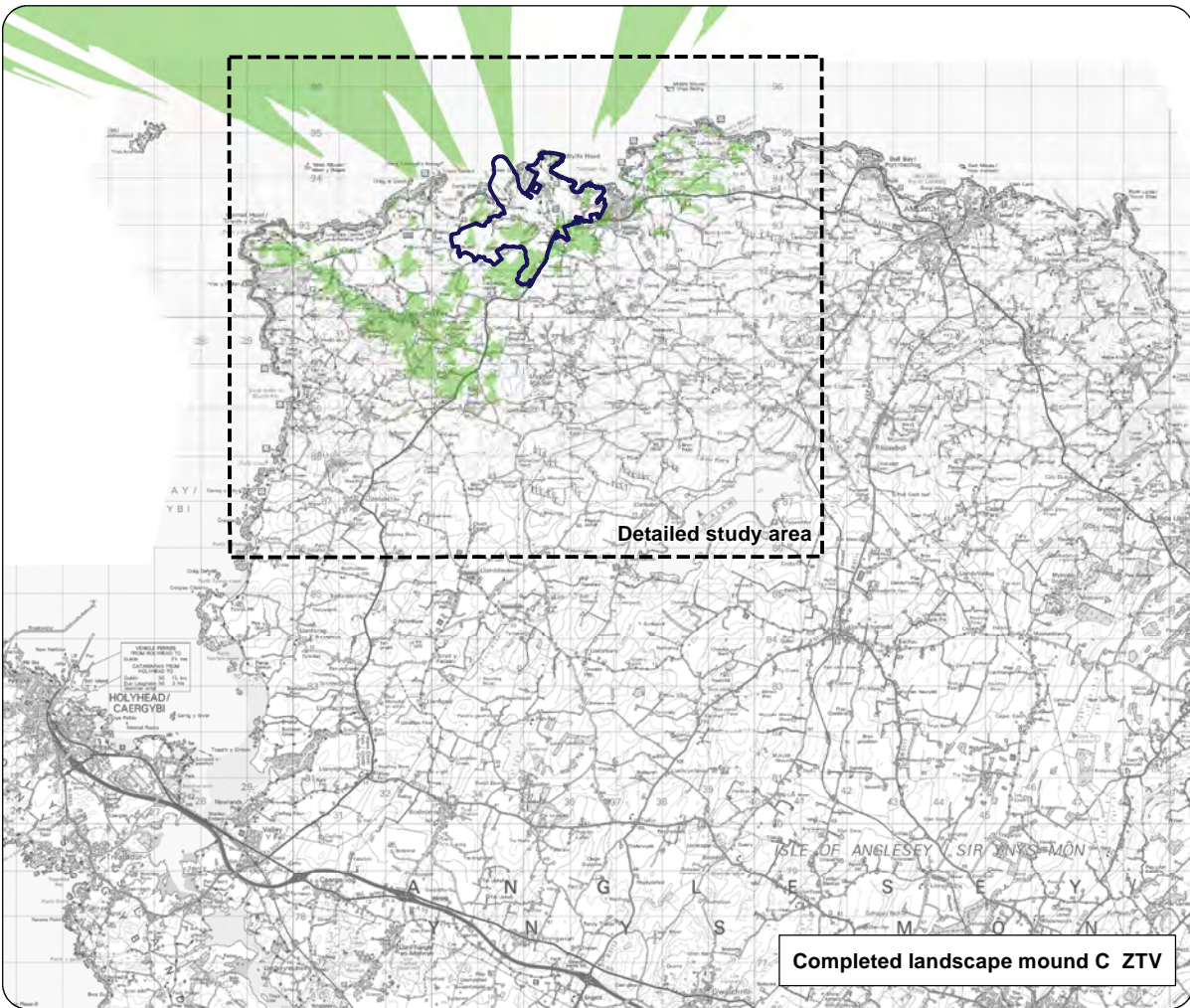
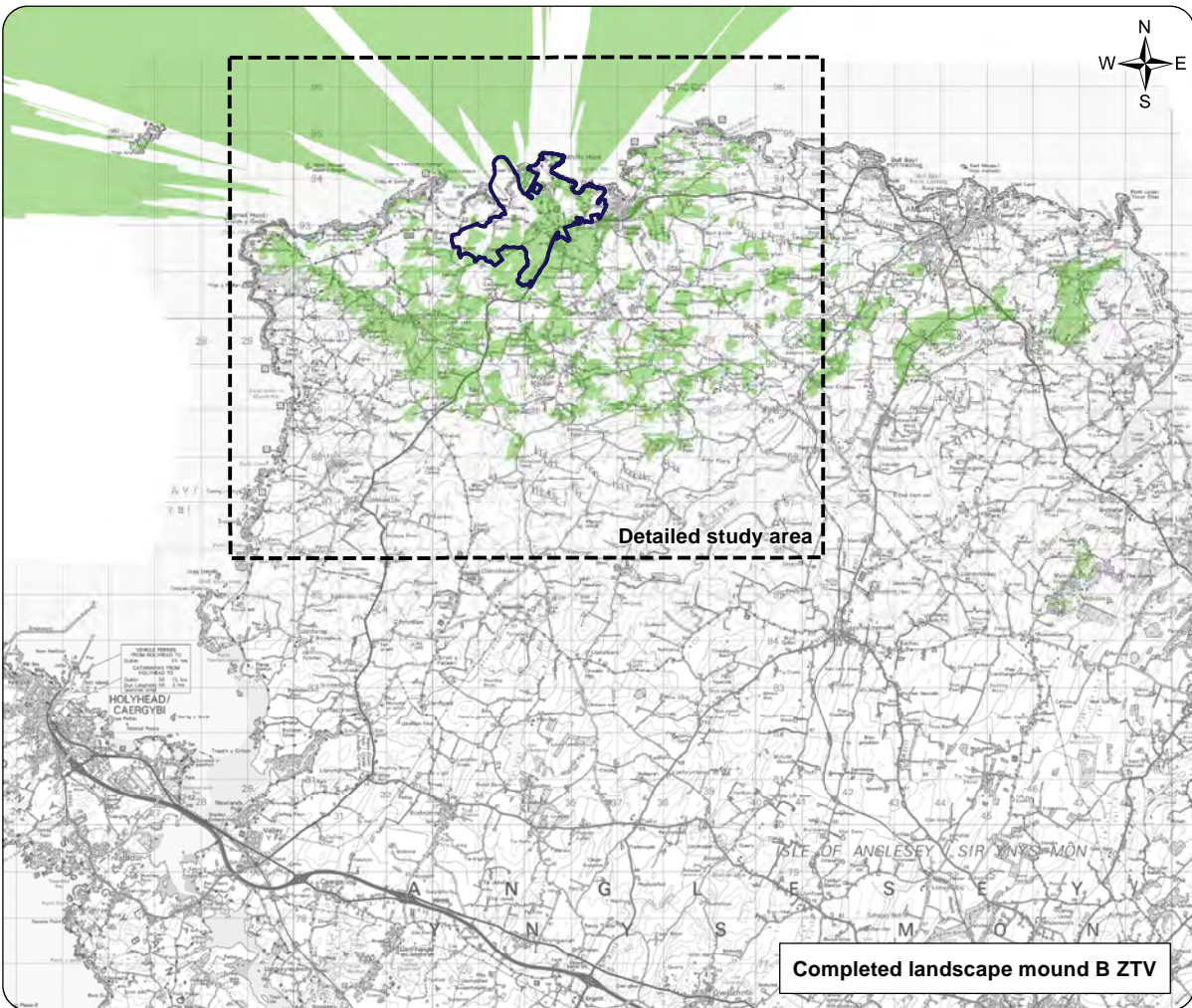
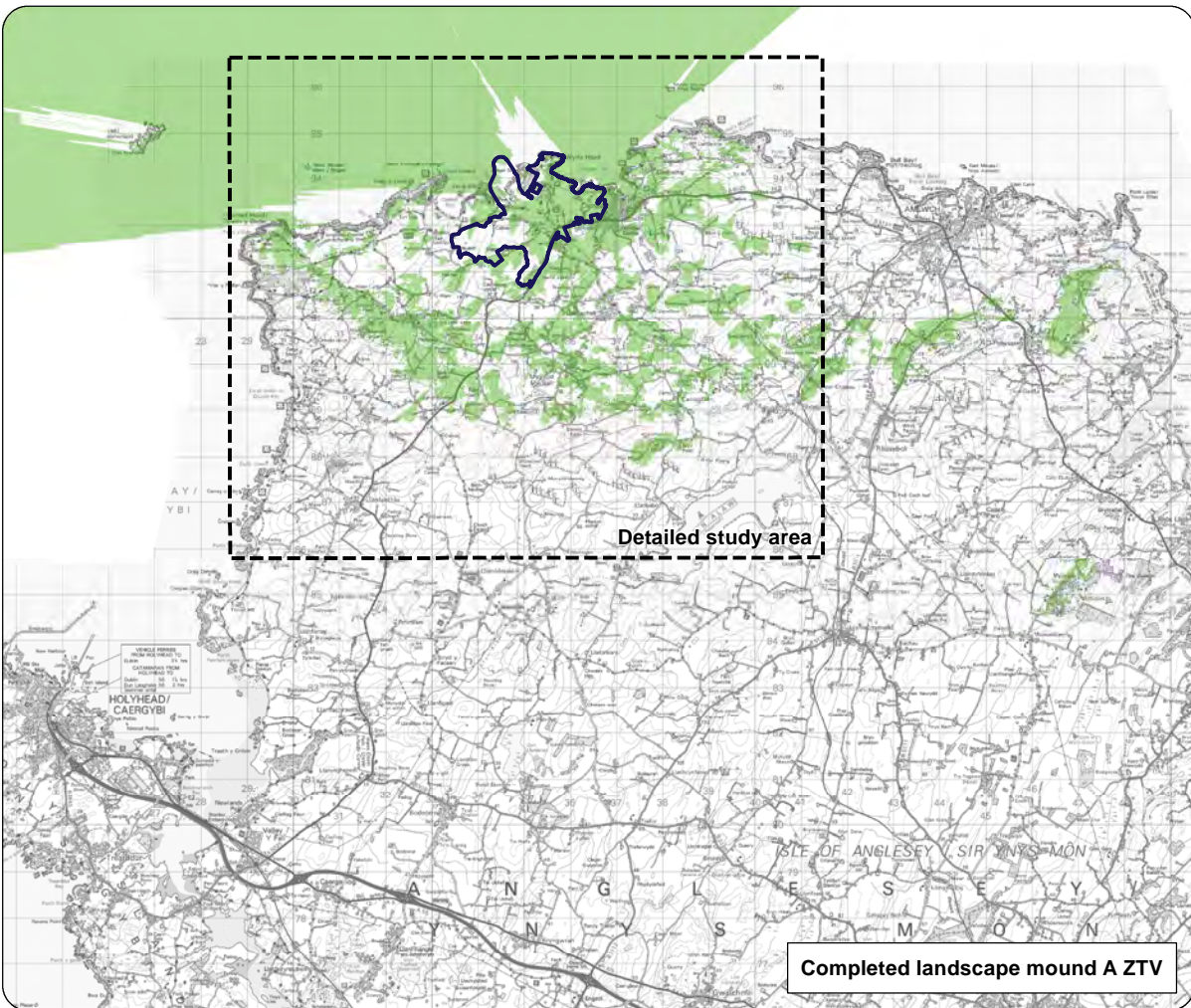
60PO8077

Client No.

Drawing No.

60PO8077_DCO_VOL_D_10_26

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



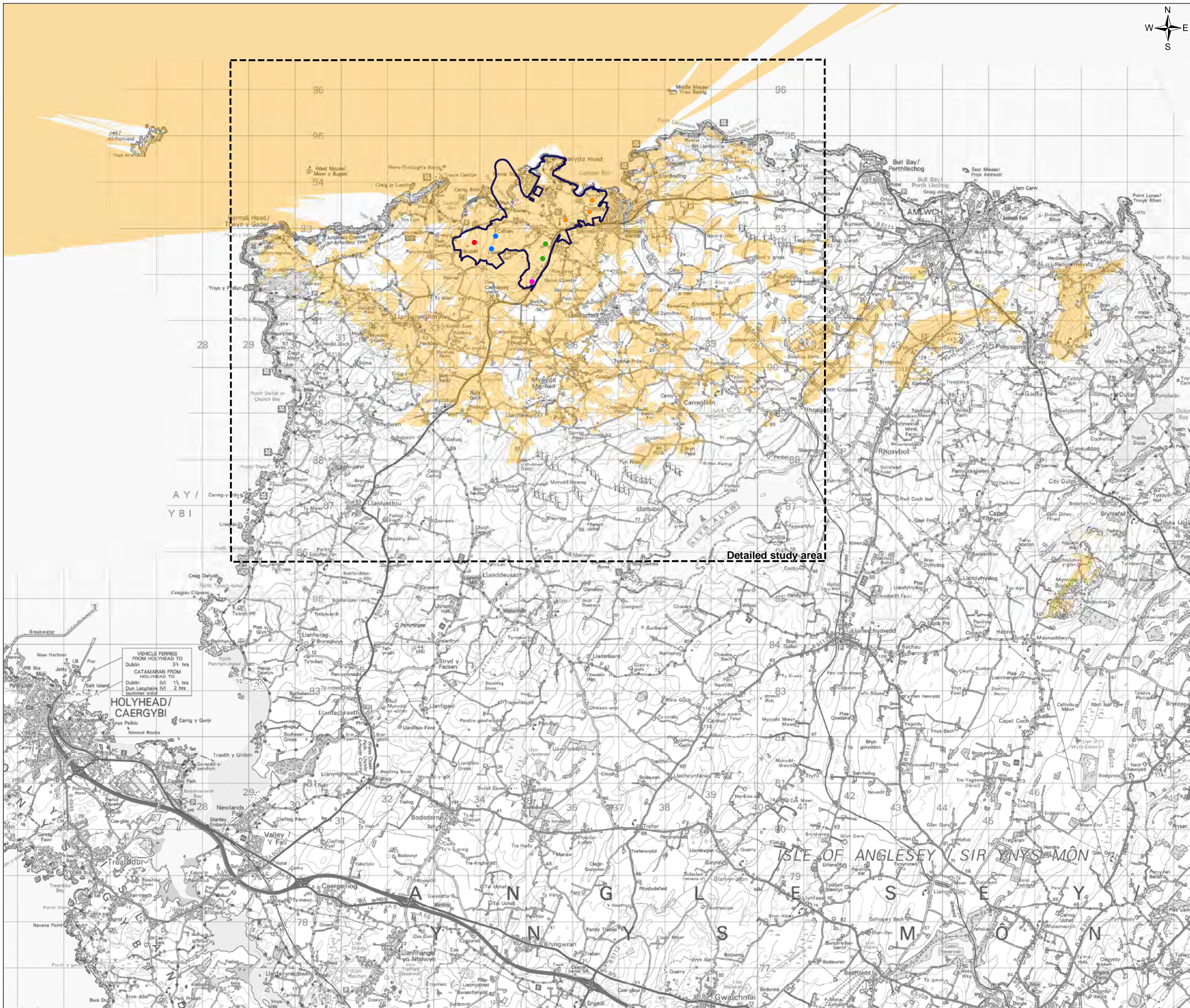


FIGURE D10-27

Legend

Wylfa Newydd Development Area

Detailed study area

Zone of Theoretical Visibility (ZTV) assessment points

- Completed landscape mound A
- Completed landscape mound B
- Completed landscape mound C
- Completed landscape mound D
- Completed landscape mound E

ZTV

- No theoretical visibility
- Theoretical visibility of combined completed landscape mounding

- Notes:
- This figure coverage encompasses the overarching study area.
 - ZTV is generated using computer program ArcGIS 10.2 and is based on a combined ground model comprising Ordnance Survey digital terrain model data (2014) and Lidar topography survey data (2017).
 - The ZTV is based upon a bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, which could also provide screening.
 - The ZTV has been modelled with a viewing height of 1.7m.
 - The limit of the ZTV shown on this figure is an indication only of the theoretical maximum extent to which the proposals may be visible from the area surrounding the Wylfa Newydd Development Area, based on the indicative design heights.
 - Heights used for assessment points to represent the maximum indicative design spot heights of completed landscape mounding:
 - Mound A (36m Above Ordnance Datum (AOD), 42m AOD and 43m AOD)
 - Mound B (39m AOD and 42m AOD)
 - Mound C (40m AOD)
 - Mound D (30m AOD and 33m AOD)
 - Mound E (38m AOD)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
ZONE OF THEORETICAL VISIBILITY COMBINED OPERATIONAL LANDSCAPE MOUNDING - OVERARCHING STUDY AREA						
Scale @ A3		1:80,000			DO NOT SCALE	
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Client No.						
Drawing No.						
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This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

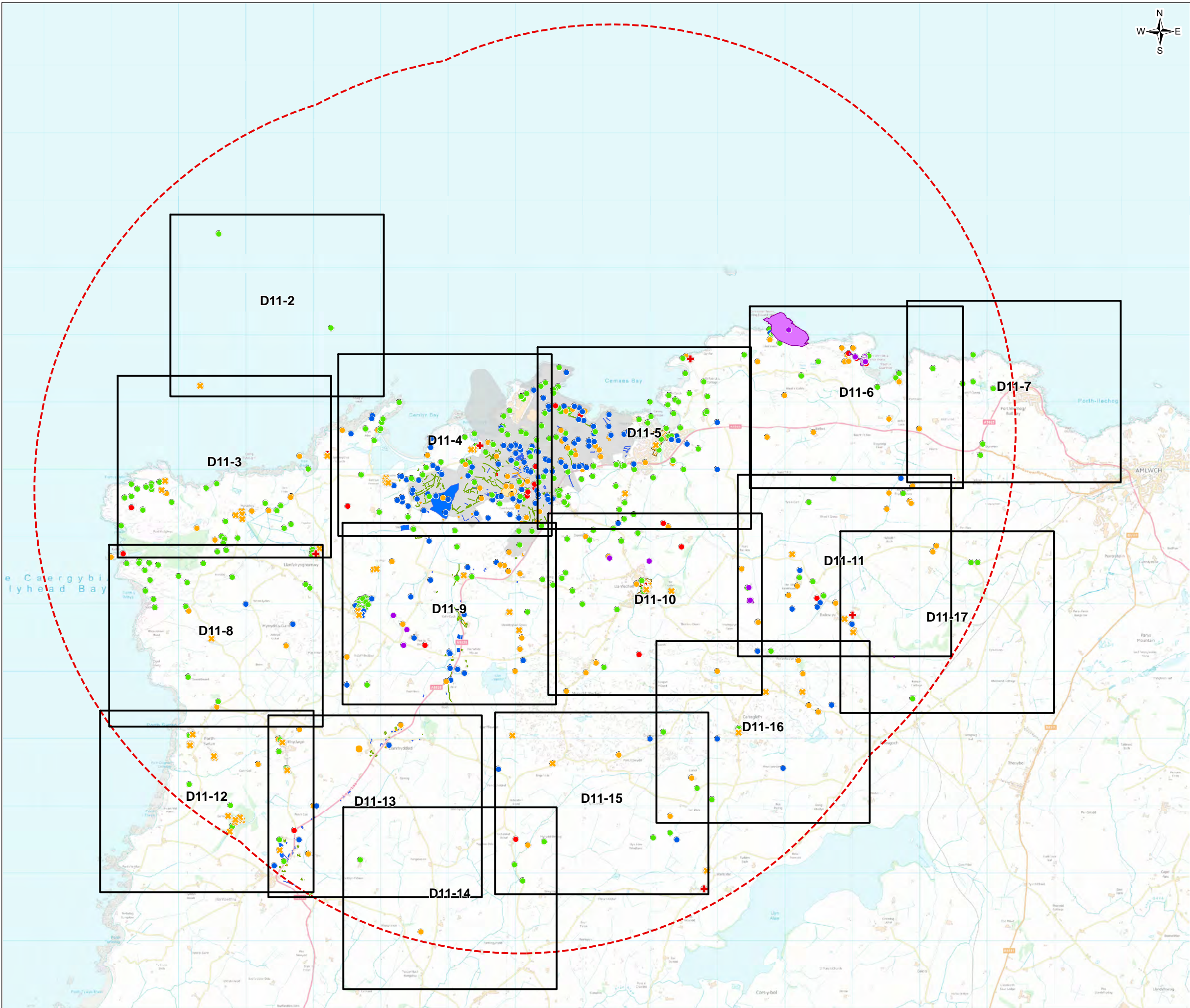

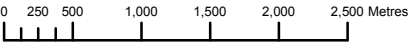


FIGURE D11-1

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated cultural heritage asset of high value
 - Undesignated cultural heritage asset of medium value
 - Undesignated cultural heritage asset of low value
 - Undesignated cultural heritage asset of negligible value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS KEY PLAN						
Scale @ A3						
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Jacobs No.						
60PO8077						
Client No.						
Drawing No.						
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This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



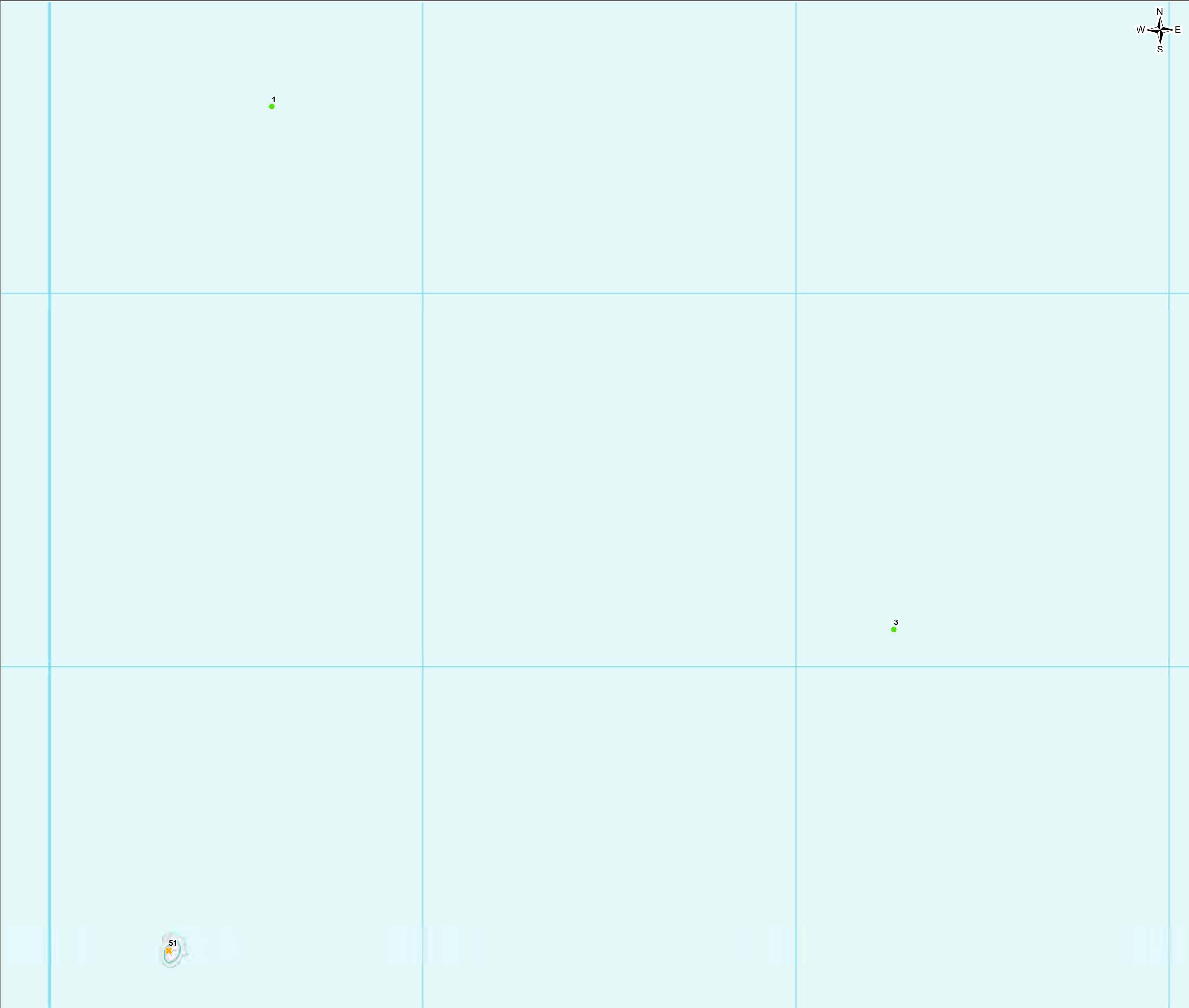
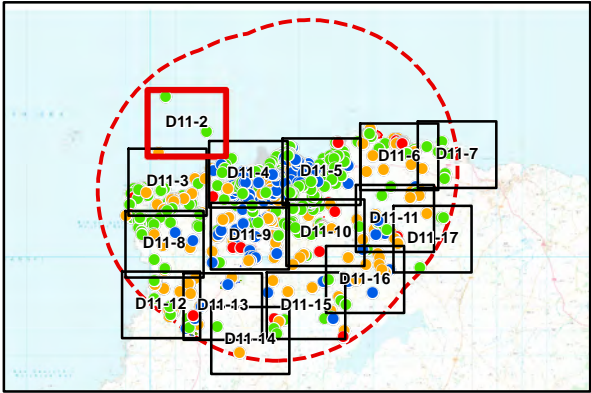



FIGURE D11-2

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL	
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd	
Client							
<div></div>							
Project							
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT							
Drawing Title							
LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 1 OF 16							
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Client No.							
Drawing No.							
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This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.							

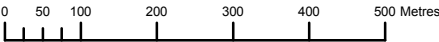
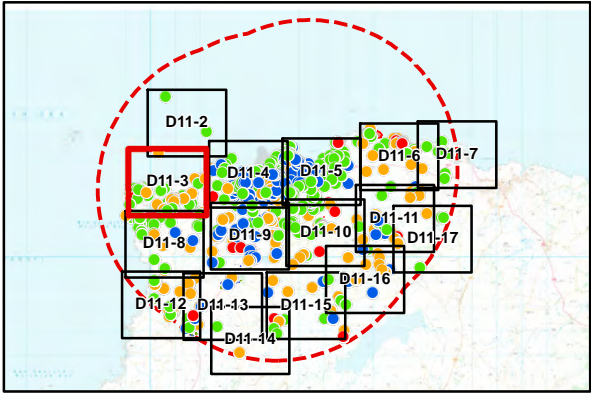



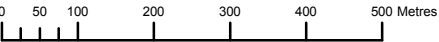


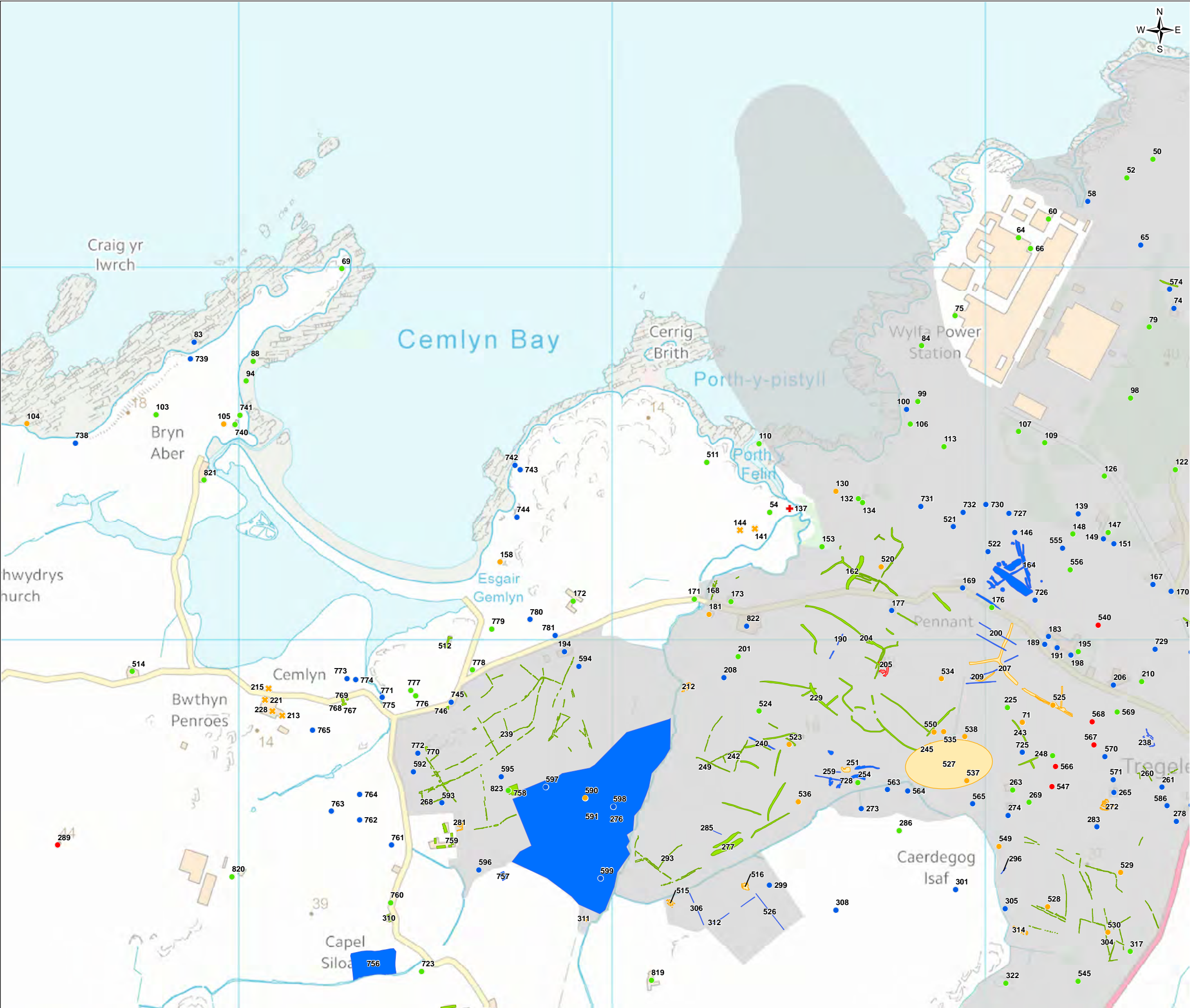
FIGURE D11-3

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 2 OF 16			
Scale @ A3	1:9,940				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_03					
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						





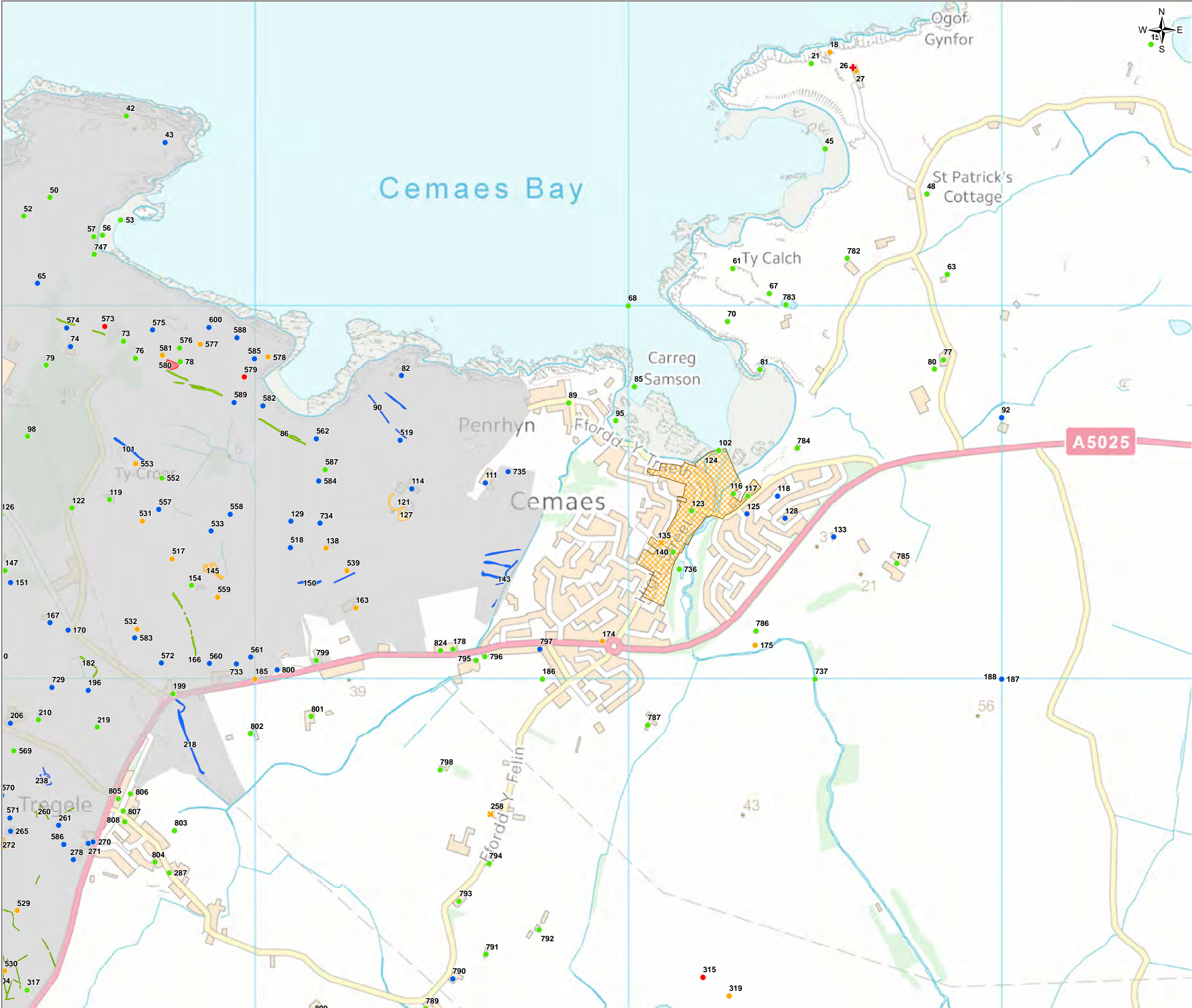


FIGURE D11-5

Legend

- Wylfa Newydd Development Area
- Study area for terrestrial archaeological remains, historic buildings and the historic landscape
- Scheduled Monument
- Grade I Listed Building
- Grade II* Listed Building
- Grade II Listed Building
- Conservation Area (medium value)
- Undesignated Cultural Heritage Asset of High Value
- Undesignated Cultural Heritage Asset of Medium Value
- Undesignated Cultural Heritage Asset of Low Value
- Undesignated Cultural Heritage Asset of Negligible Value

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 4 OF 16						
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Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_05					
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

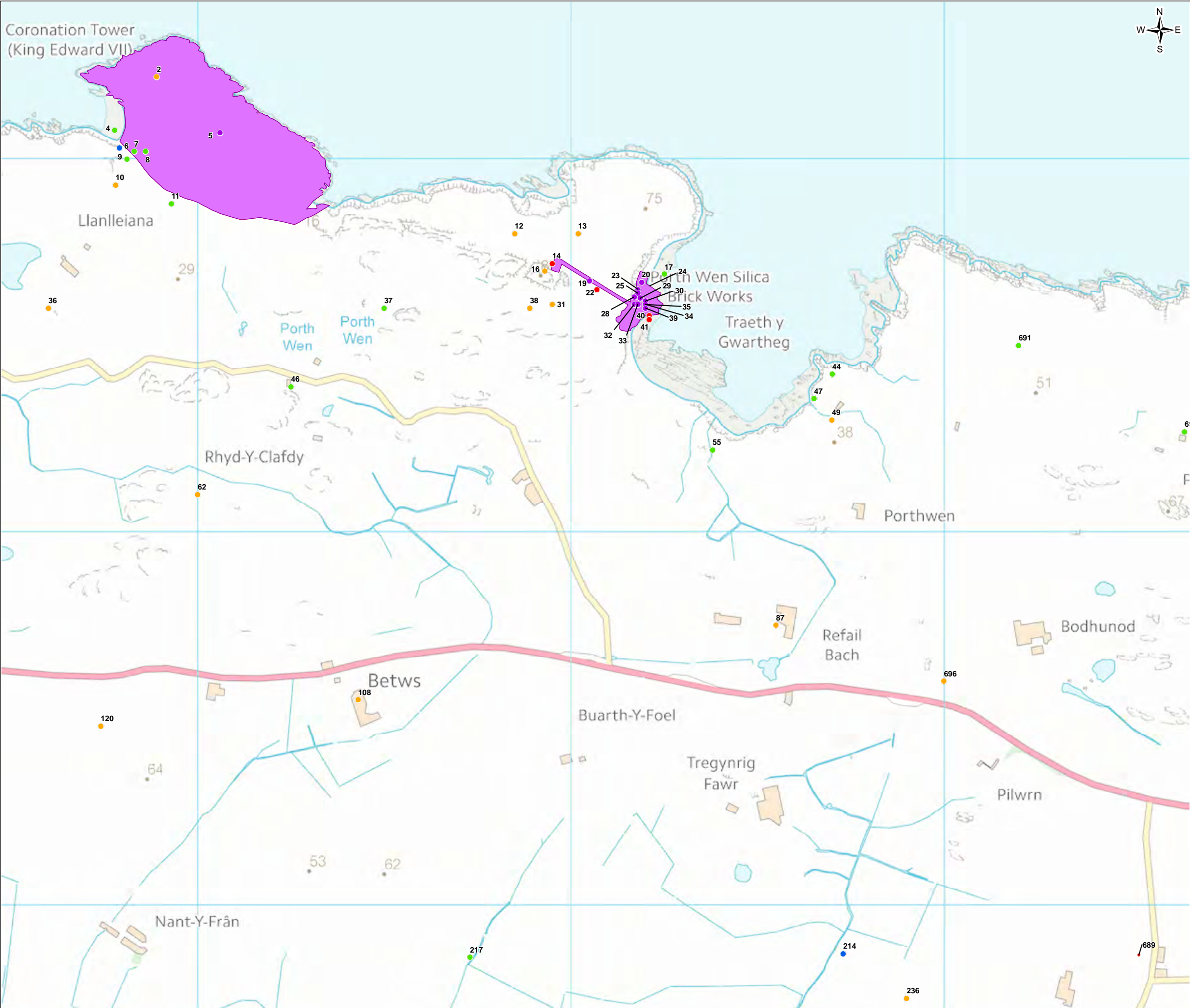
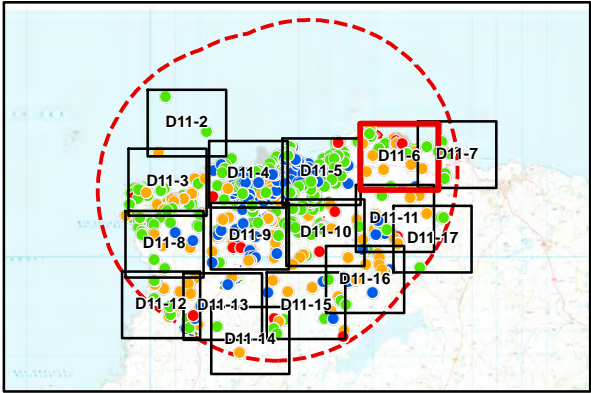



FIGURE D11-6

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 5 OF 16			
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Client No.						
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This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

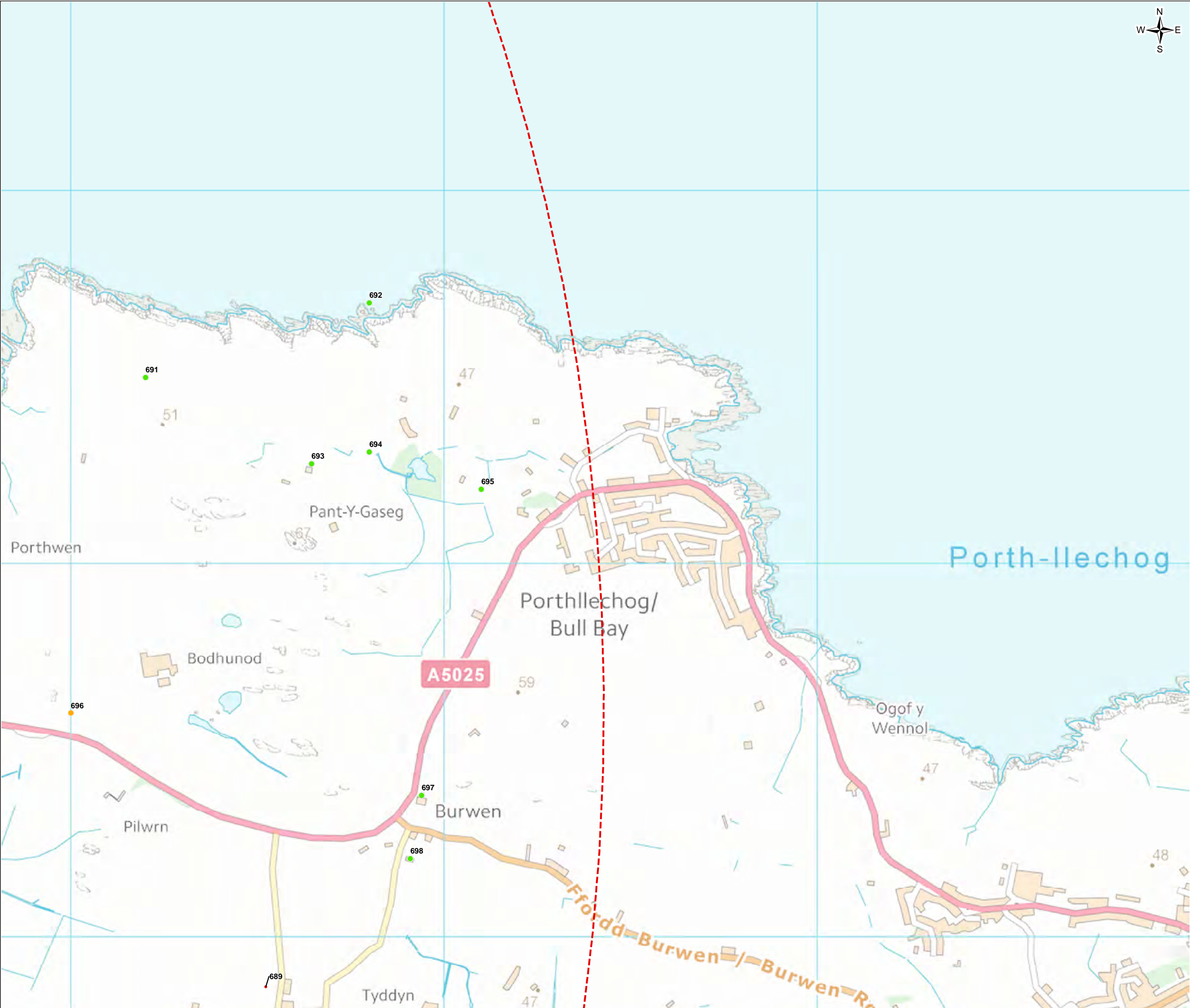
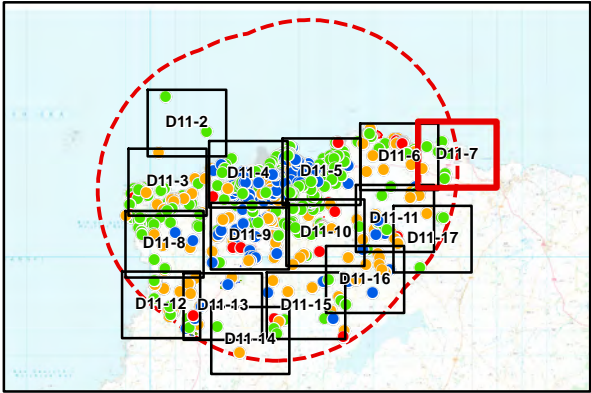


FIGURE D11-7

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 6 OF 16			
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Client No.						
Drawing No.			60PO8077_DCO_VOL_D_11_07			
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

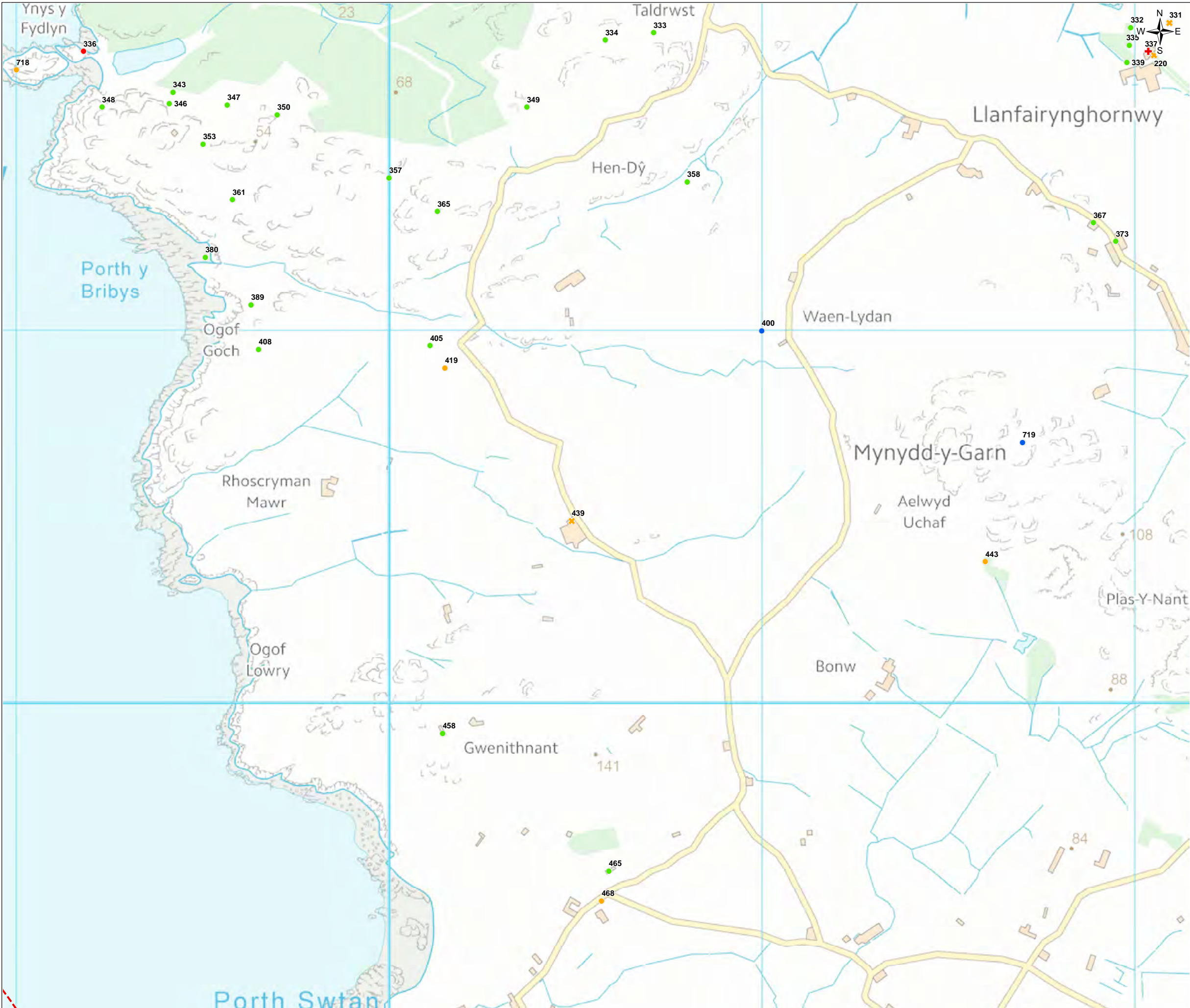
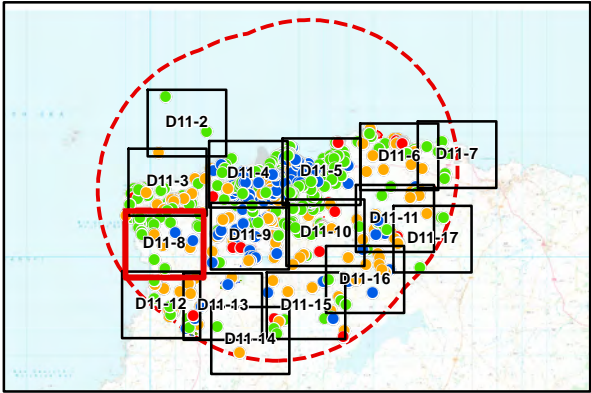



FIGURE D11-8

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 7 OF 16			
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Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_08					
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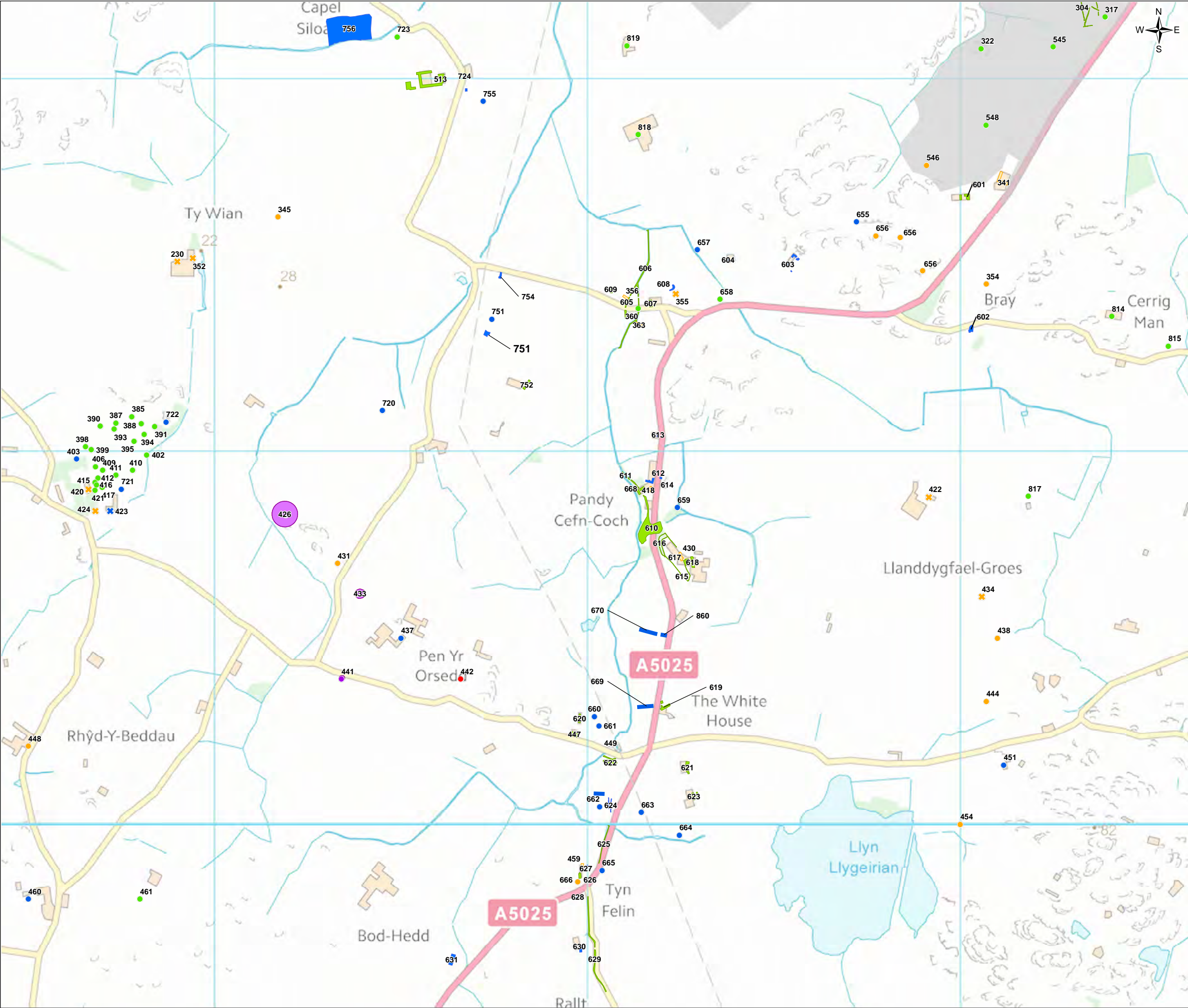
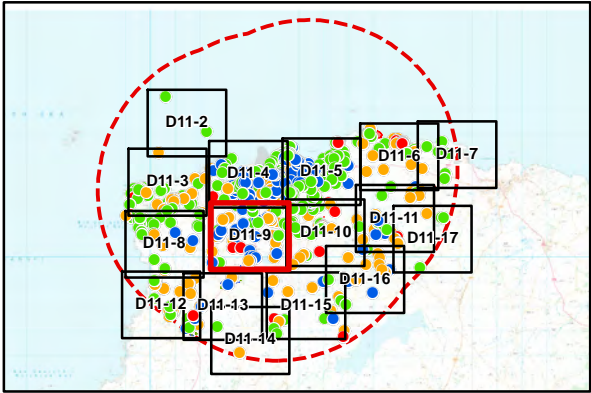



FIGURE D11-9

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 8 OF 16						
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Client No.						
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This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

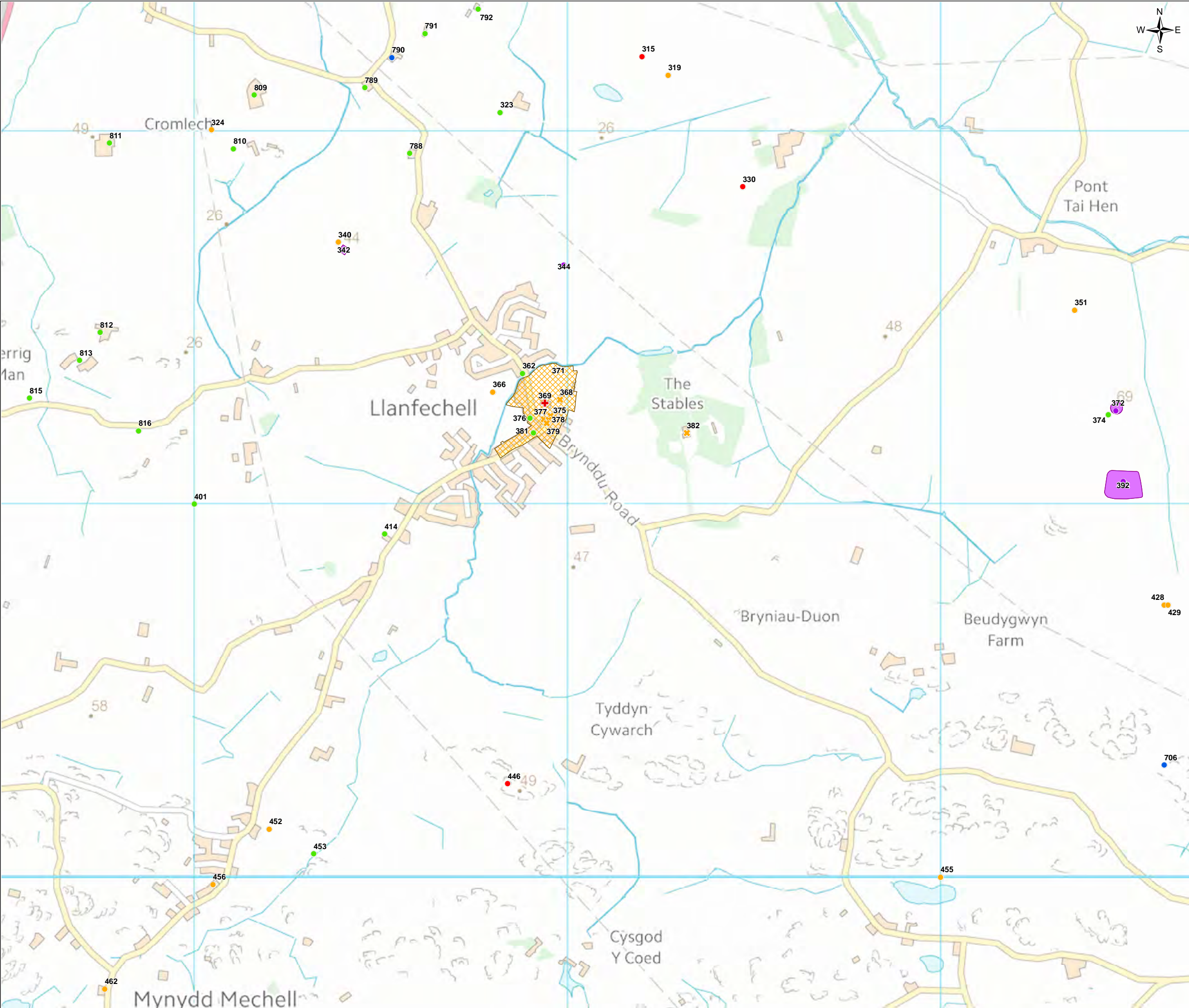
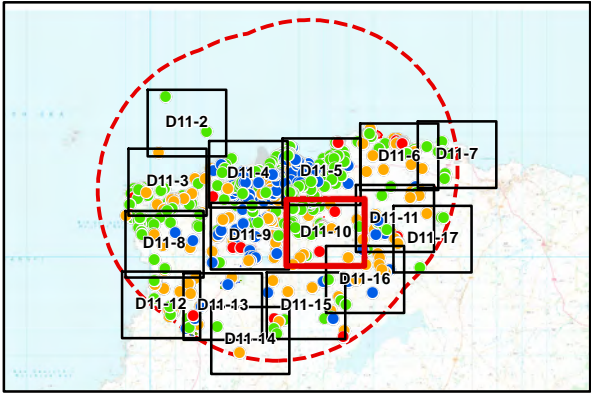


FIGURE D11-10

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 9 OF 16			
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Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_10					
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

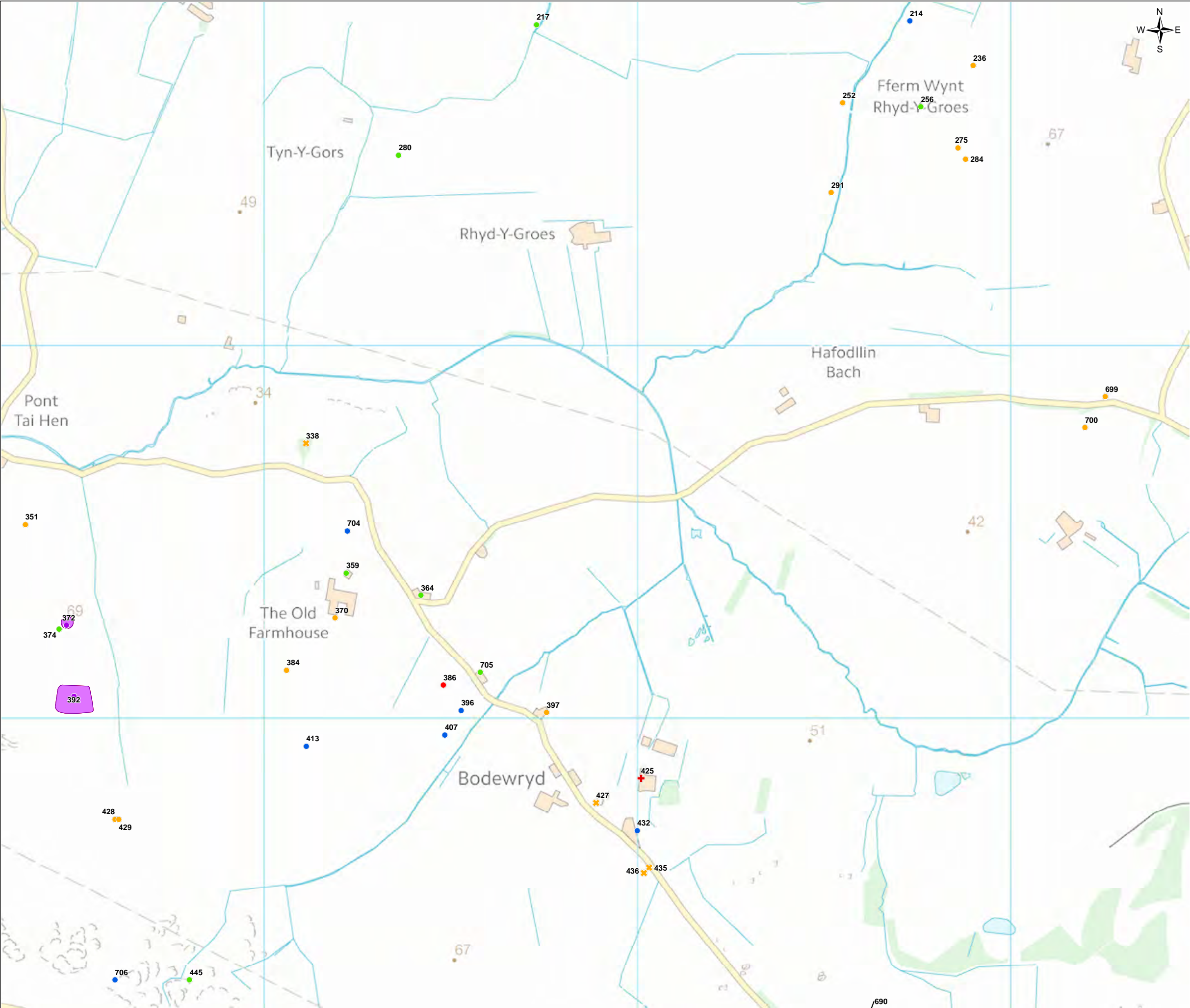
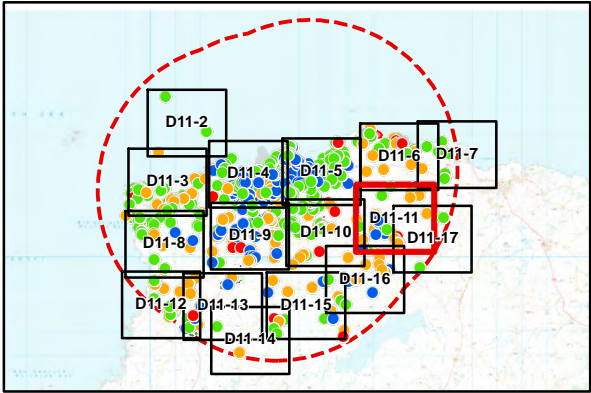

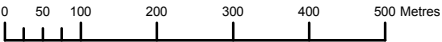


FIGURE D11-11

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 10 OF 16			
Scale @ A3	1:9,940				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_11					
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



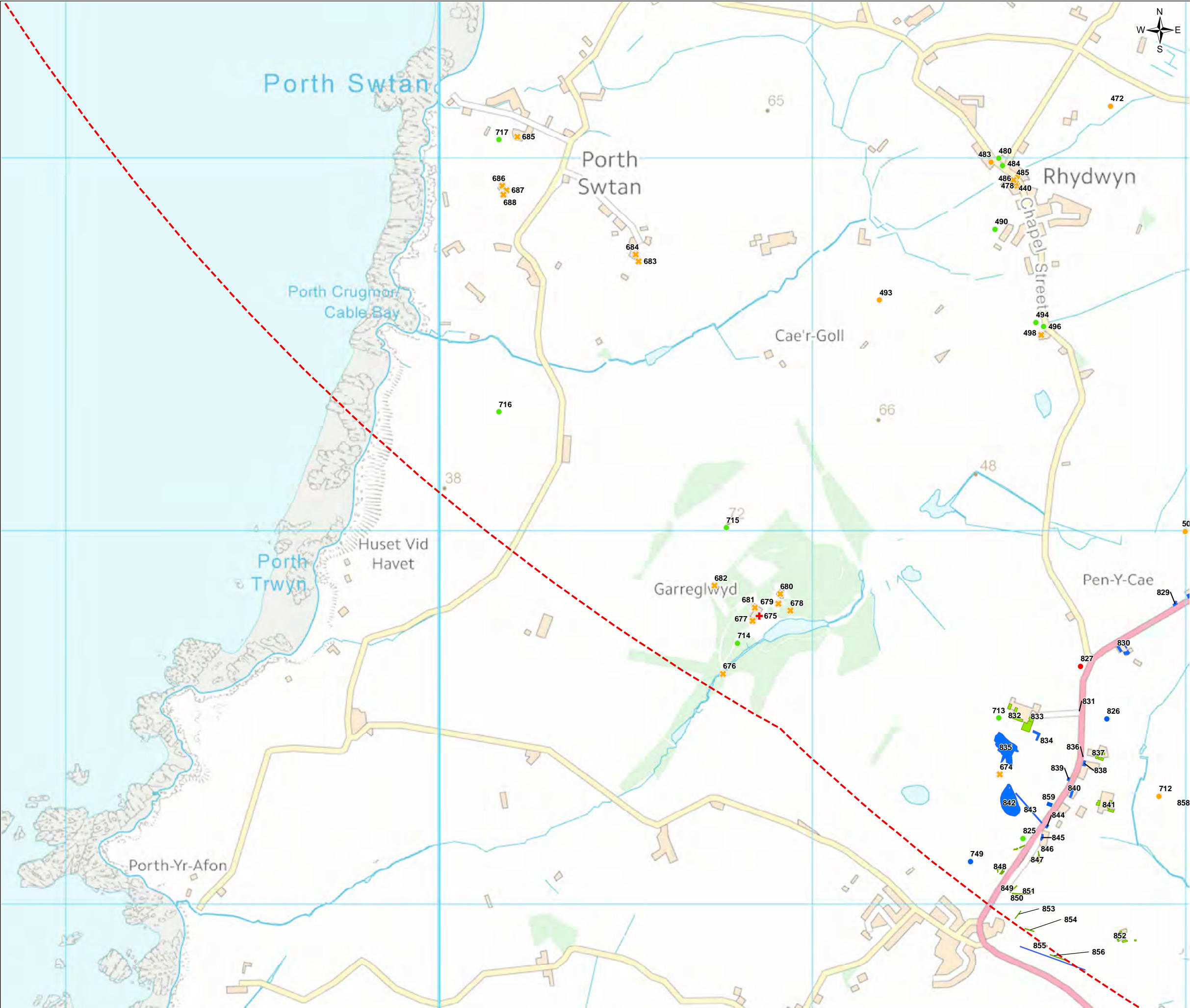
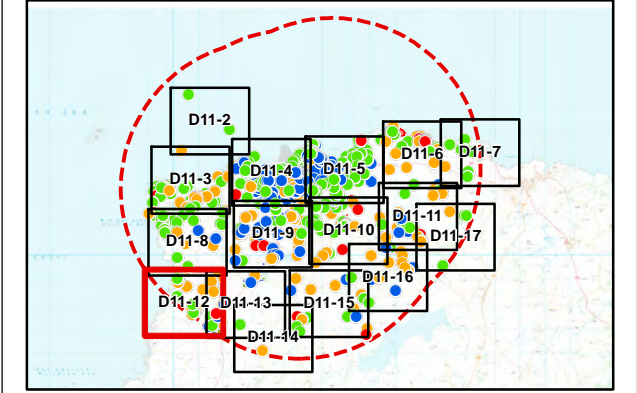

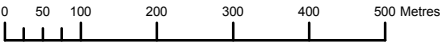


FIGURE D11-12

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 11 OF 16			
Scale @ A3	1:9,940				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_VOL_D_11_12			
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



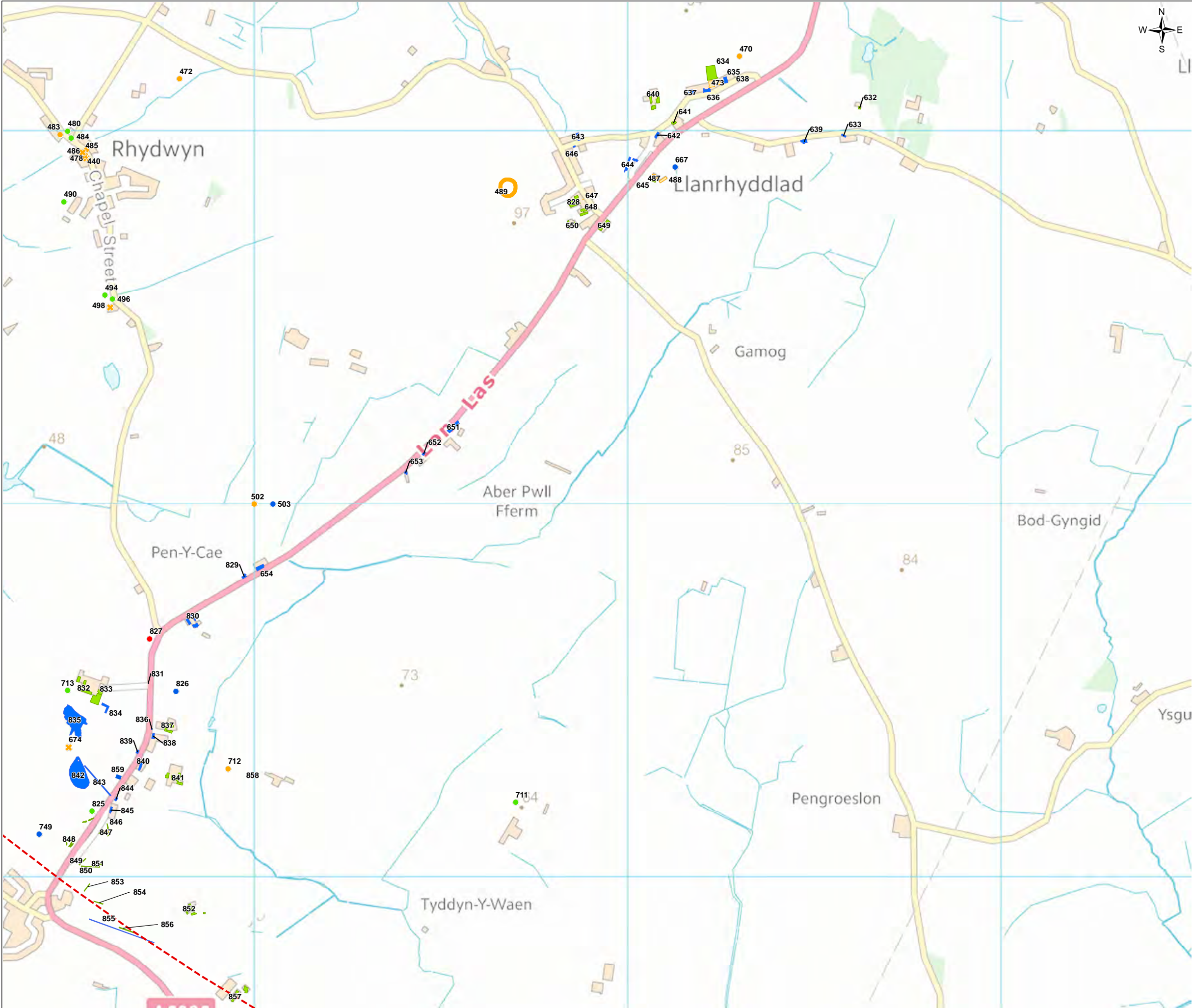
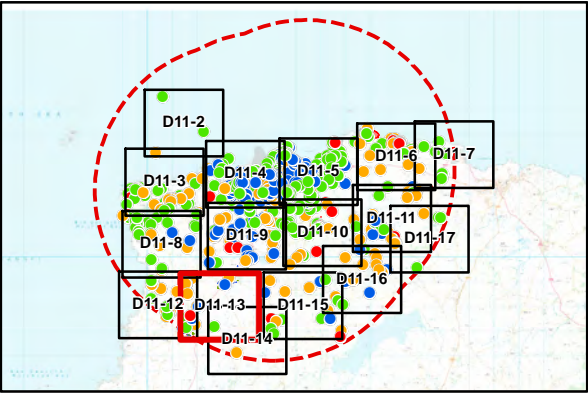

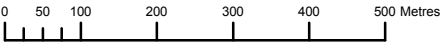


FIGURE D11-13

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL	
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd	
Client							
<div></div>							
Project							
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT							
Drawing Title							
LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 12 OF 16							
Scale @ A3	1:9,940				DO NOT SCALE		
Jacobs No.	60PO8077						
Client No.							
Drawing No.							
60PO8077_DCO_VOL_D_11_13							
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.							



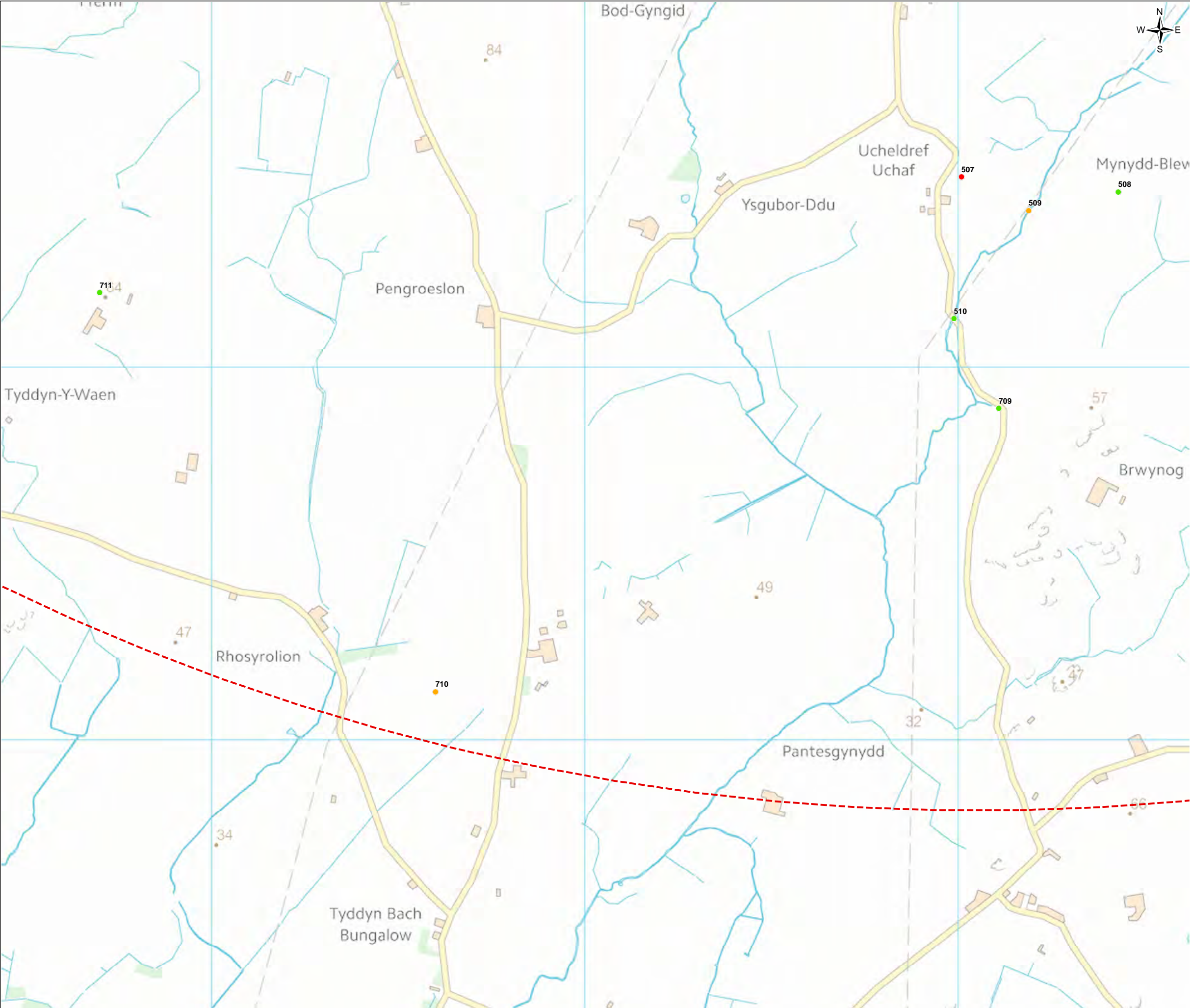
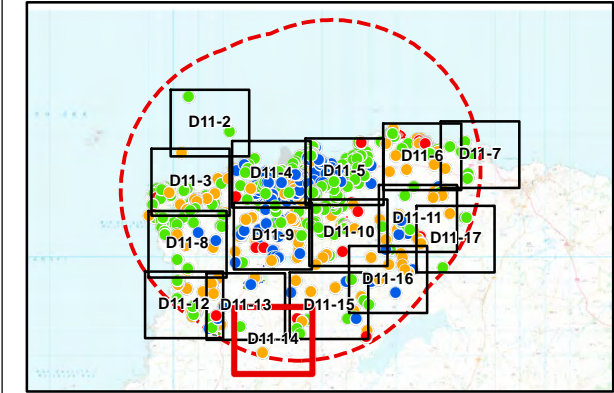

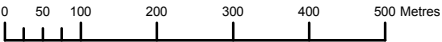


FIGURE D11-14

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 13 OF 16			
Scale @ A3	1:9,940				DO NOT SCALE	
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Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_14					
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



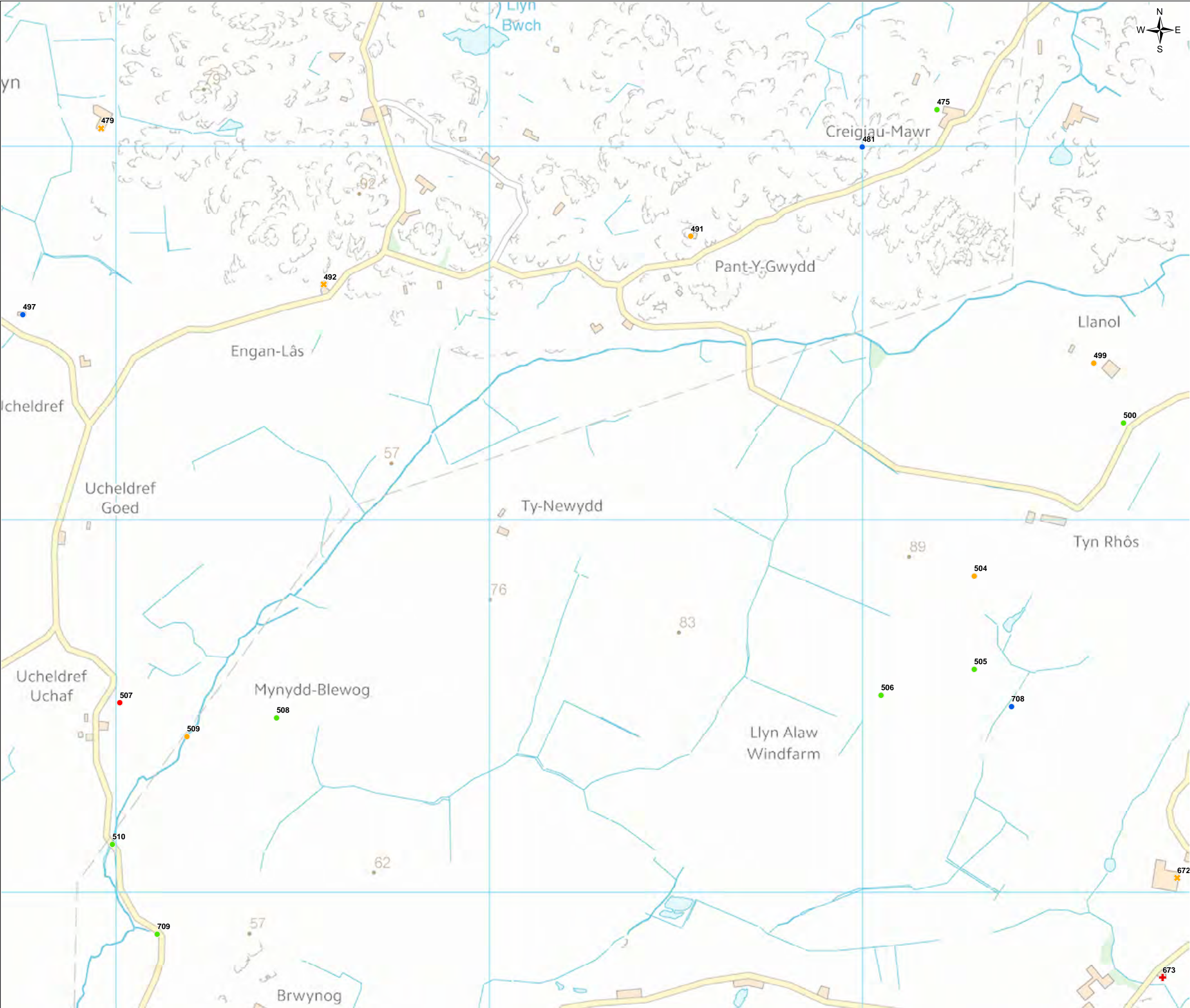
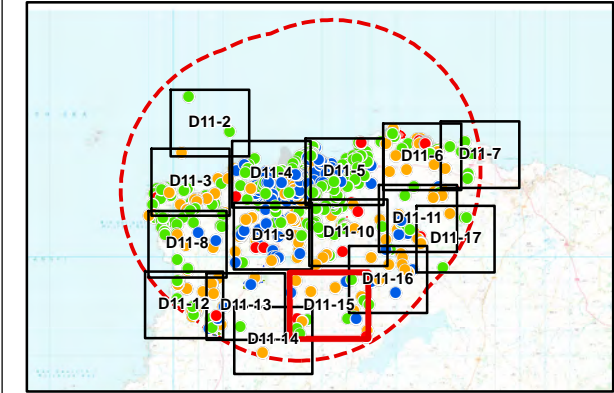



FIGURE D11-15

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 14 OF 16						
Scale @ A3			1:9,940		DO NOT SCALE	
Jacobs No.			60PO8077			
Client No.						
Drawing No.						
60PO8077_DCO_VOL_D_11_15						
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

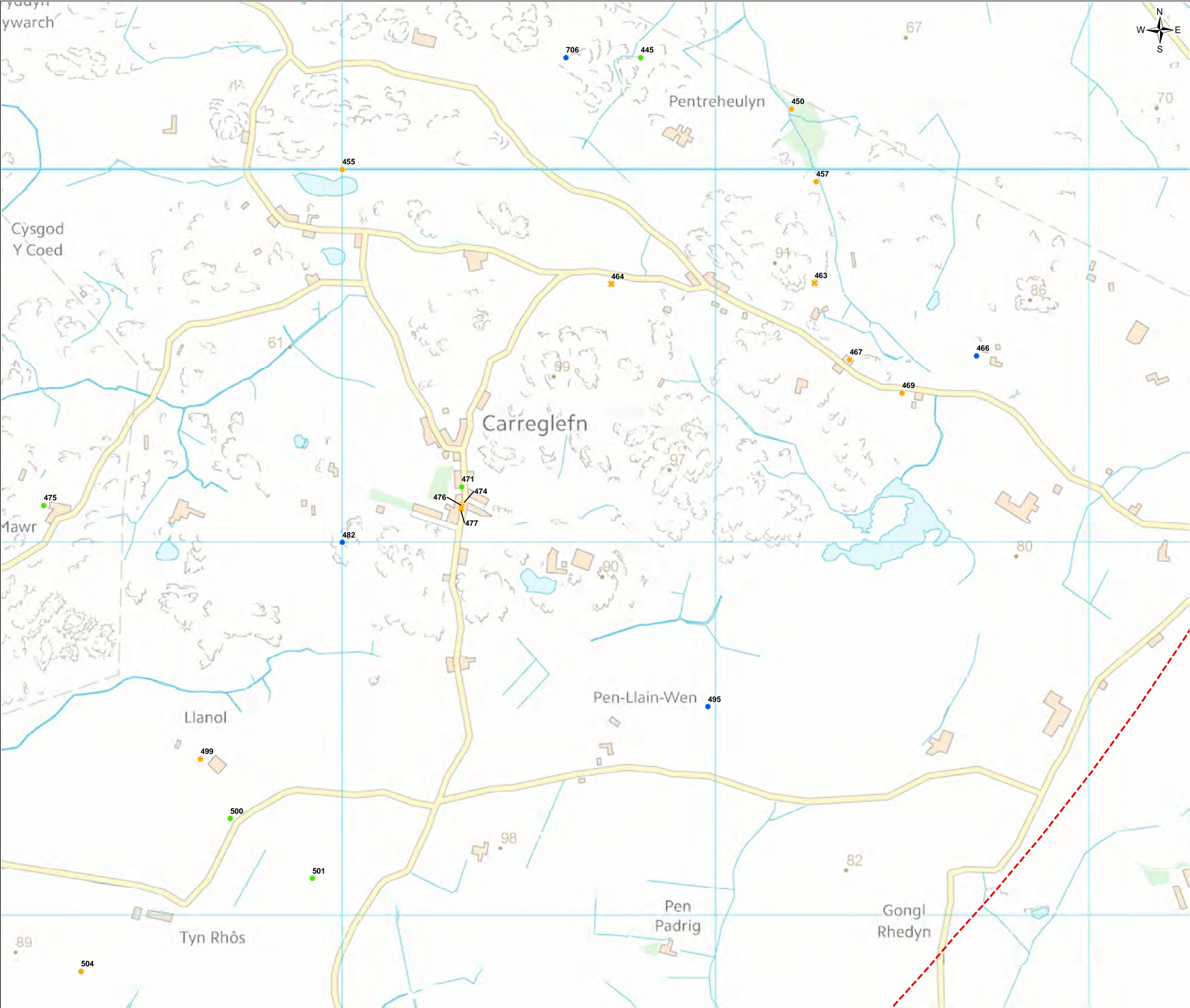
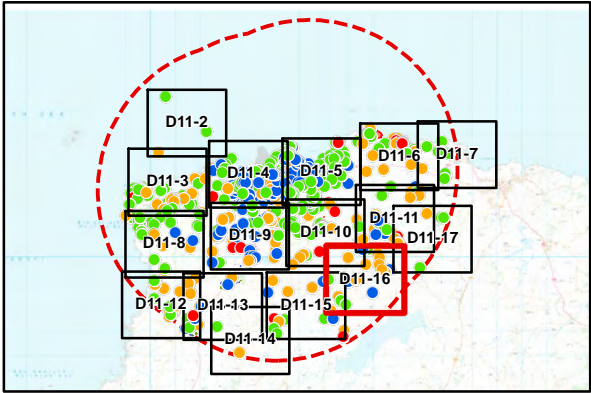
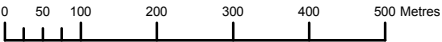


FIGURE D11-16

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 15 OF 16			
Scale @ A3	1:9,940				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_16					
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



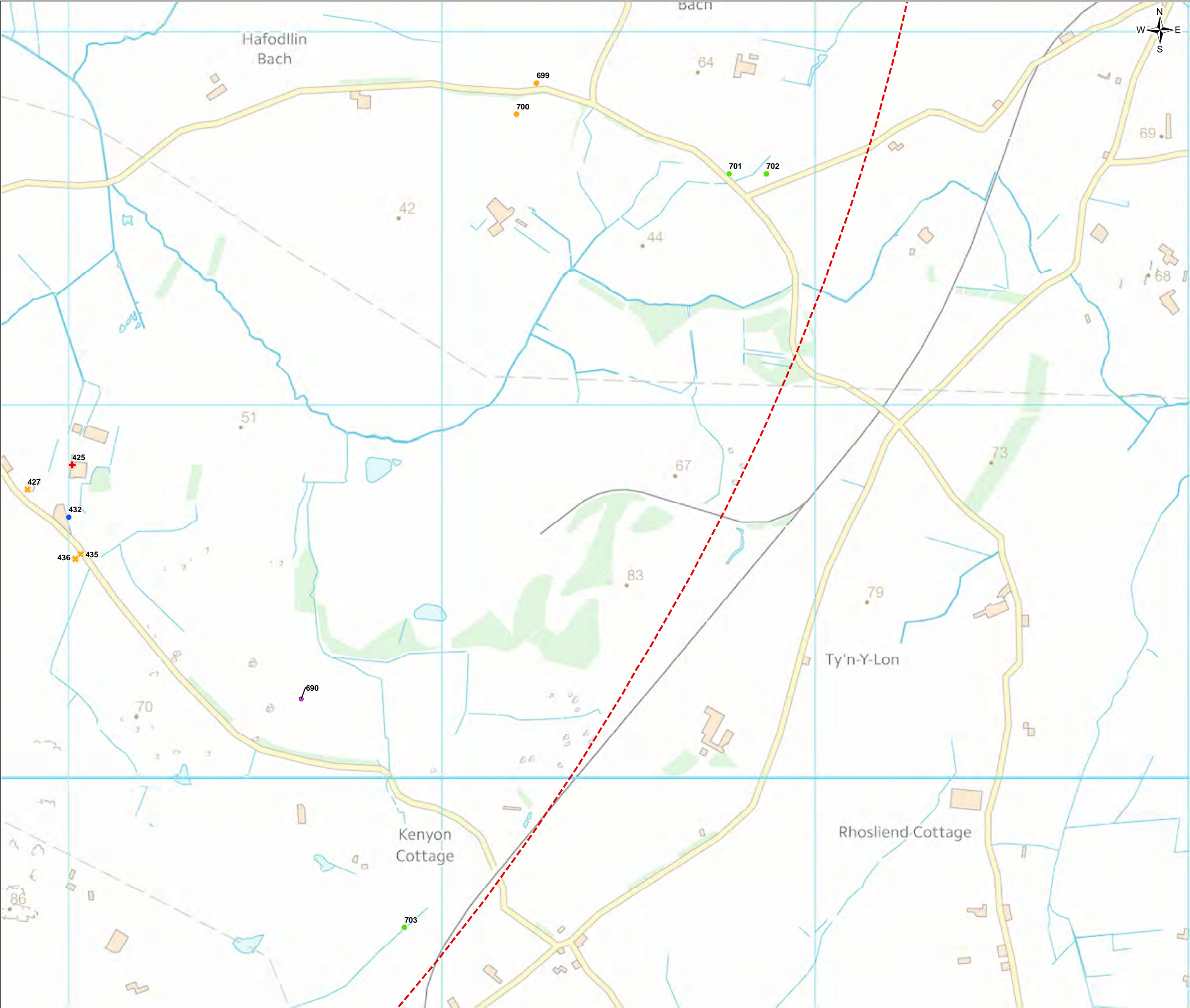
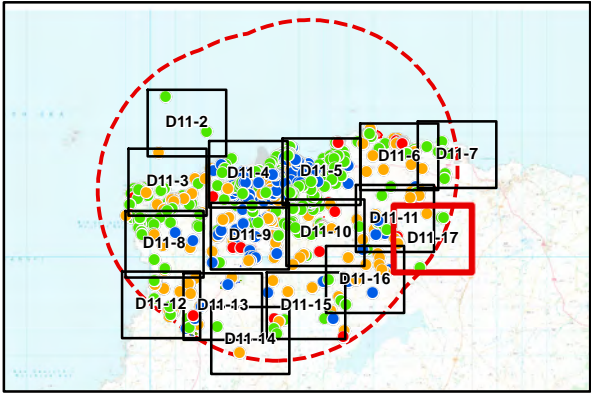


FIGURE D11-17

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area (medium value)
 - Undesignated Cultural Heritage Asset of High Value
 - Undesignated Cultural Heritage Asset of Medium Value
 - Undesignated Cultural Heritage Asset of Low Value
 - Undesignated Cultural Heritage Asset of Negligible Value




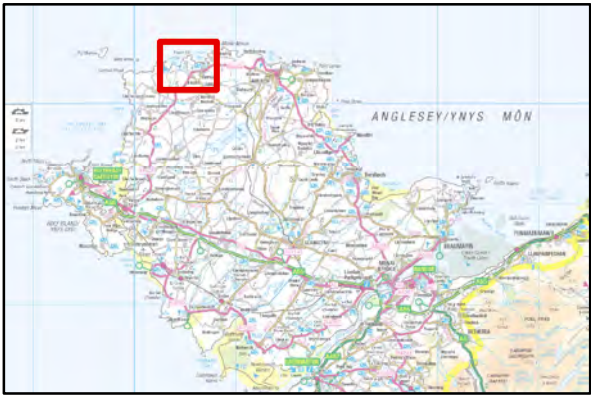
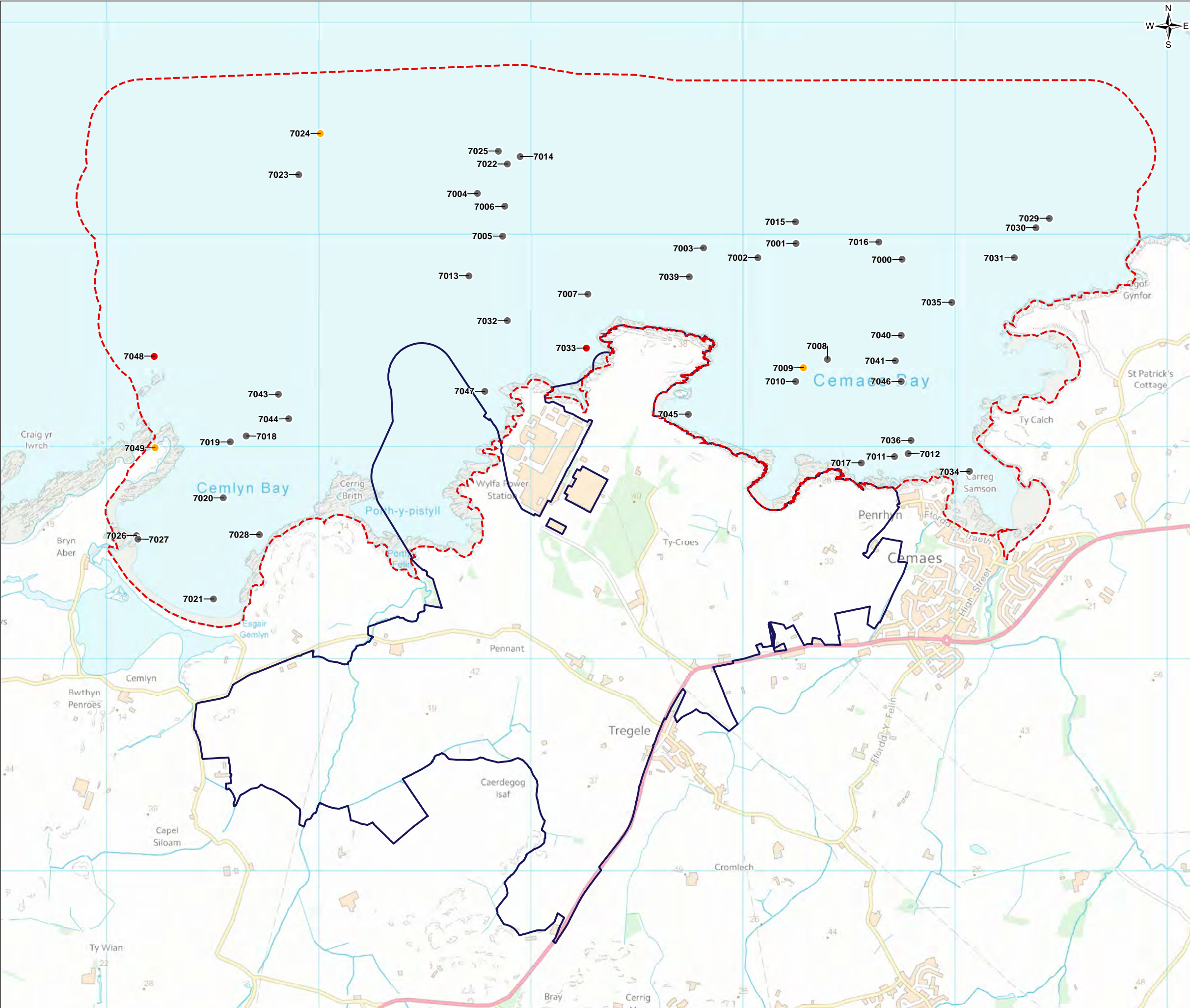
1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF ARCHAEOLOGICAL REMAINS AND HISTORIC BUILDINGS SHEET SHEET 16 OF 16			
Scale @ A3	1:9,940				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_17					
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

FIGURE D11-18

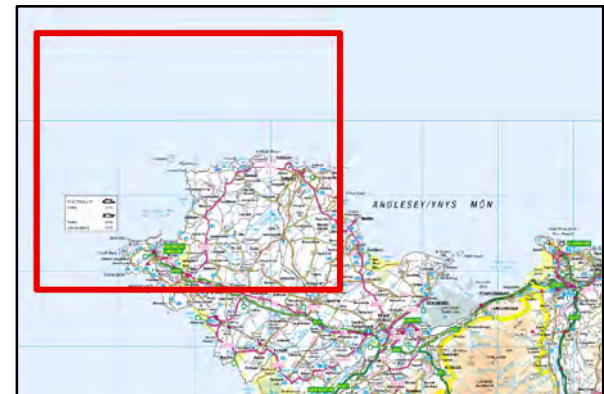
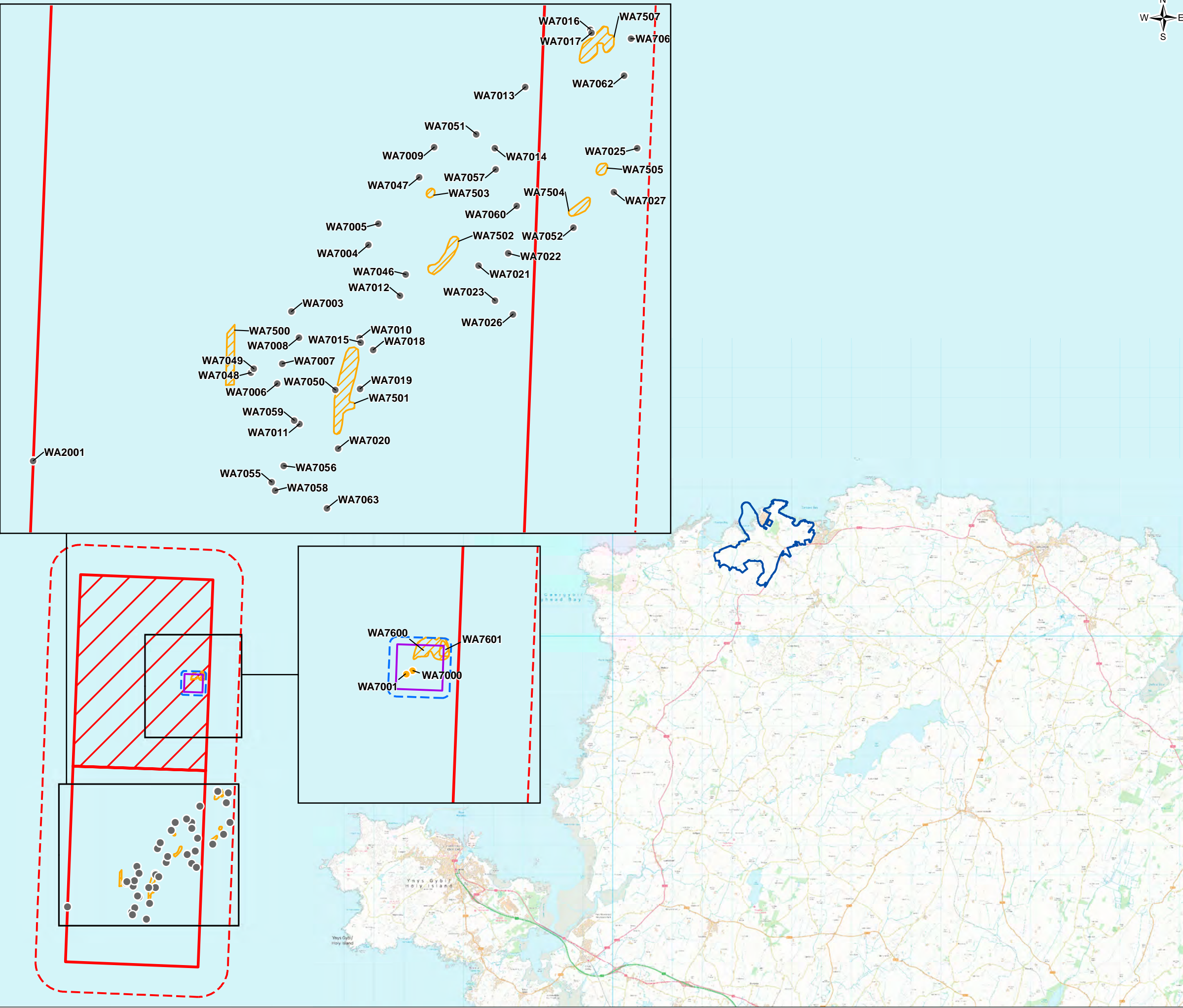
- Legend
- Wylfa Newydd Development
 - Wylfa Newydd Development Area study area for marine archaeological remains
 - Undesignated cultural heritage asset of high value
 - Undesignated cultural heritage asset of medium value
 - Undesignated cultural heritage asset of unknown value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF MARINE ARCHAEOLOGICAL REMAINS			
Scale @ A3	1:17,500					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_18					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

FIGURE D11-19

- Legend
- Wylfa Newydd Development Area
 - Disposal Site
 - Holyhead Deep Disposal Area
 - Micro-site for rock disposal
 - Geophysical survey area
 - Cultural heritage study area
 - Undesignated cultural heritage asset of medium value
 - Undesignated cultural heritage asset of unknown value



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATION OF MARINE ARCHAEOLOGICAL REMAINS - DISPOSAL SITE			
Scale @ A3	1:125,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_VOL_D_11_19			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

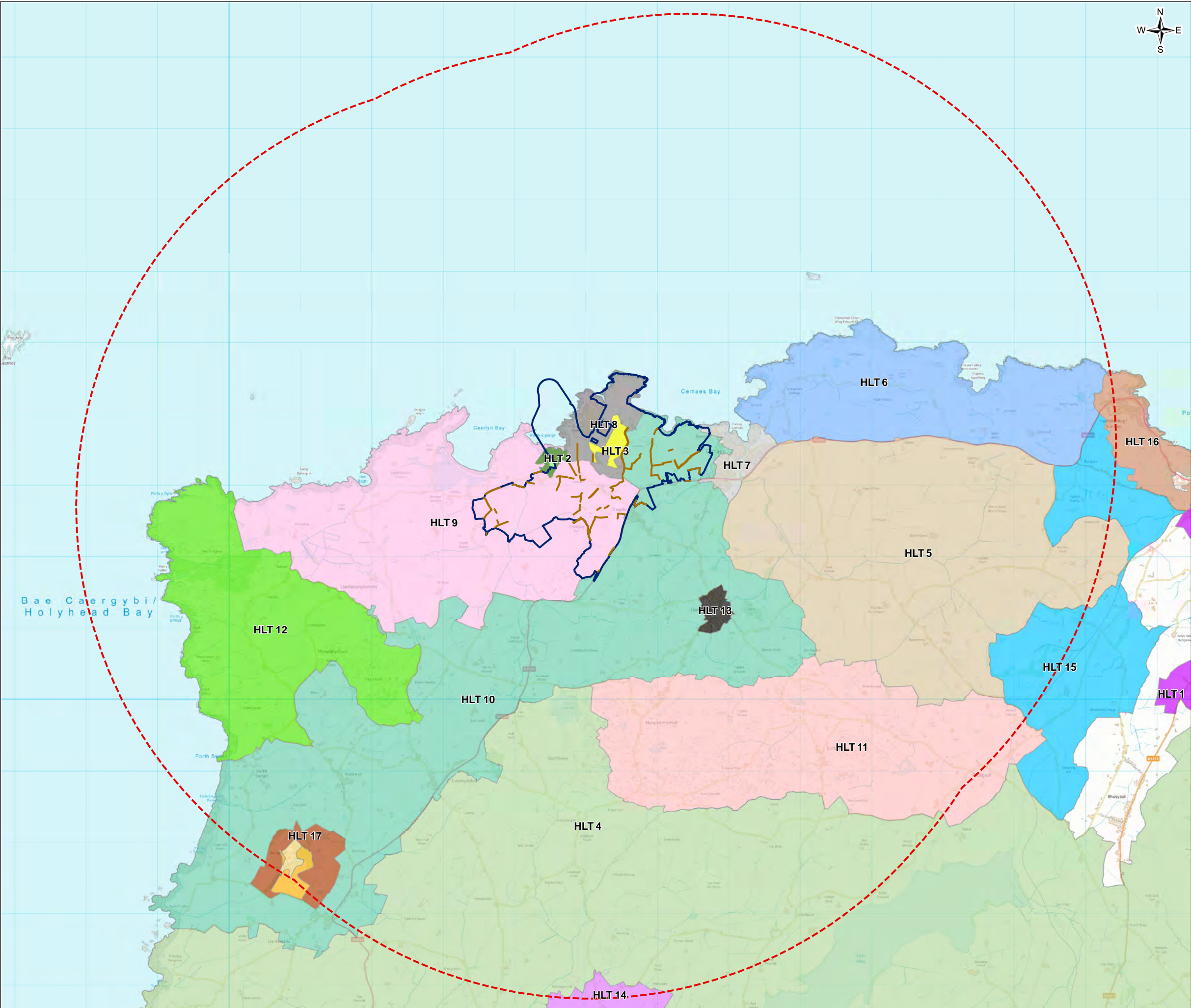
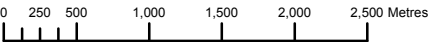


FIGURE D11-20

- Legend
- Wylfa Newydd Development Area
 - Study area for terrestrial archaeological remains, historic buildings and the historic landscape
 - Important hedgerow
- Historic Landscape Type (HLT)
- HLT 1 - Amlwch and Parys
 - HLT 2 - Cestyll Garden
 - HLT 2 - Cestyll Garden - Essential Setting
 - HLT 2 - Cestyll Garden - Kitchen Garden
 - HLT 2 - Cestyll Garden - Valley Garden
 - HLT 3 - Sylvia Crowe Landscaping
 - HLT 4 - Fieldscape, Central Eastern Mon
 - HLT 5 - Fieldscape, Rhosbeirio
 - HLT 6 - North Coast, Mon
 - HLT 7 - Cemaes
 - HLT 8 - Wylfa
 - HLT 9 - Cemlyn Coastal Strip
 - HLT 10 - Fieldscape, North-west Mon
 - HLT 11 - Mynydd Mechell
 - HLT 12 - Mynydd y Garn
 - HLT 13 - Llanfechell
 - HLT 14 - Llanddeusant
 - HLT 15 - Penrhyl Lastra
 - HLT 16 - Bull Bay
 - HLT 17 - Carreglwyd Registered Park and Garden - Garden and Kitchen Garden
 - HLT 17 - Carreglwyd Registered Park and Garden - Park Boundary
 - HLT 17 - Carreglwyd Registered Park and Garden - Essential Setting

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			HISTORIC LANDSCAPE TYPES SHEET 1 OF 2			
Scale @ A3	1:52,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_20					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



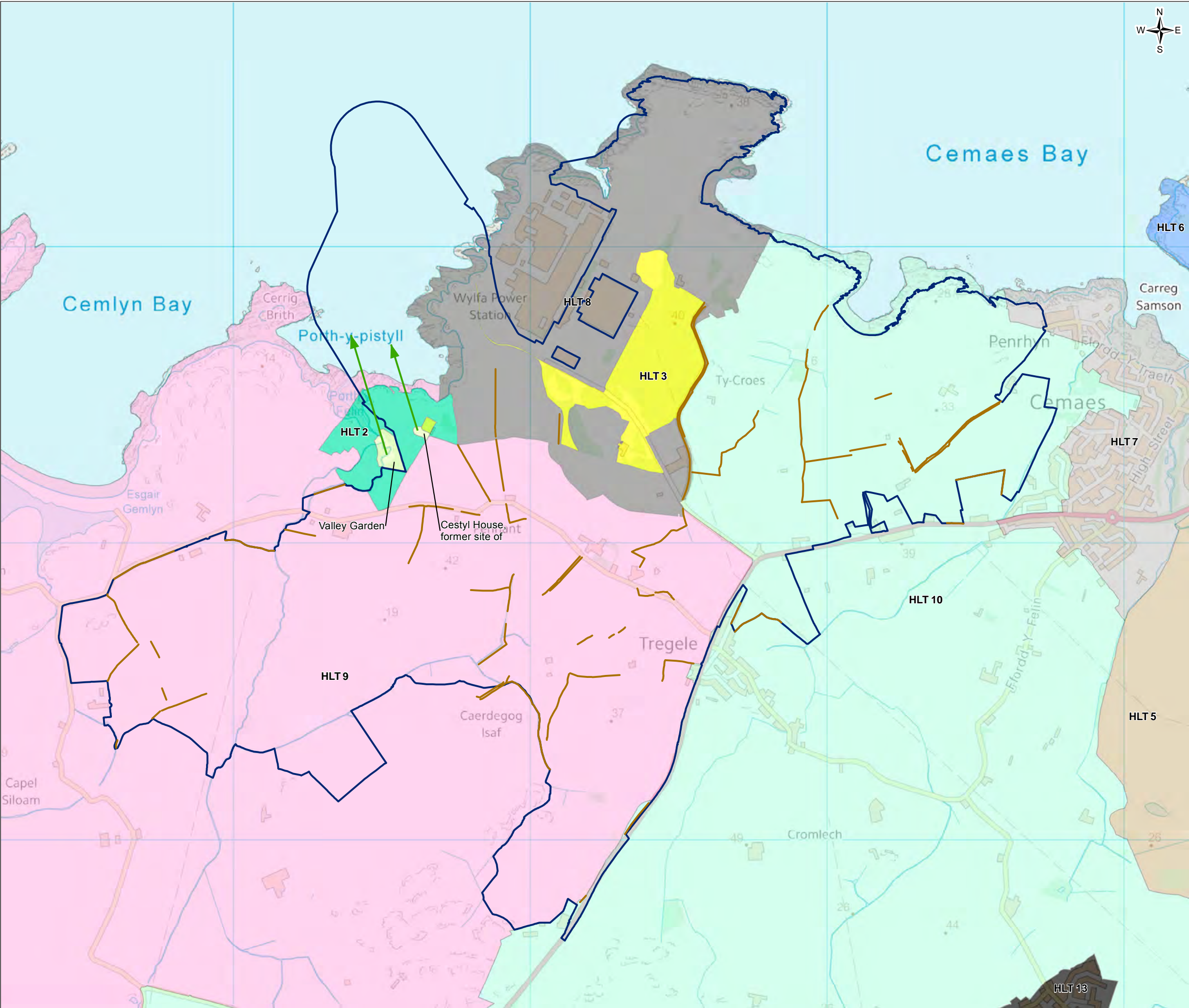


FIGURE D11-21

Legend

- Wylfa Newydd Development Area
- Important hedgerow
- Historic Landscape Type (HLT)**
 - HLT 3 - Sylvia Crowe Landscaping
 - HLT 5 - Fieldscape, Rhosbeirio
 - HLT 6 - North Coast, Mon
 - HLT 7 - Cemaes
 - HLT 8 - Wylfa
 - HLT 9 - Cemlyn Coastal Strip
 - HLT 10 - Fieldscape, North-west Mon
 - HLT 13 - Llanfechell
- Cestyll Garden**
 - HLT 2 - Cestyll Garden - Significant View
 - HLT 2 - Cestyll Garden - Essential Setting
 - HLT 2 - Cestyll Garden - Kitchen Garden
 - HLT 2 - Cestyll Garden

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client		<div>HORIZON NUCLEAR POWER</div>				
Project		WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT				
Drawing Title		HISTORIC LANDSCAPE TYPES SHEET 2 OF 2				
Scale @ A3	1:12,500		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_D_11_21					
This drawing is not to be used in whole in or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

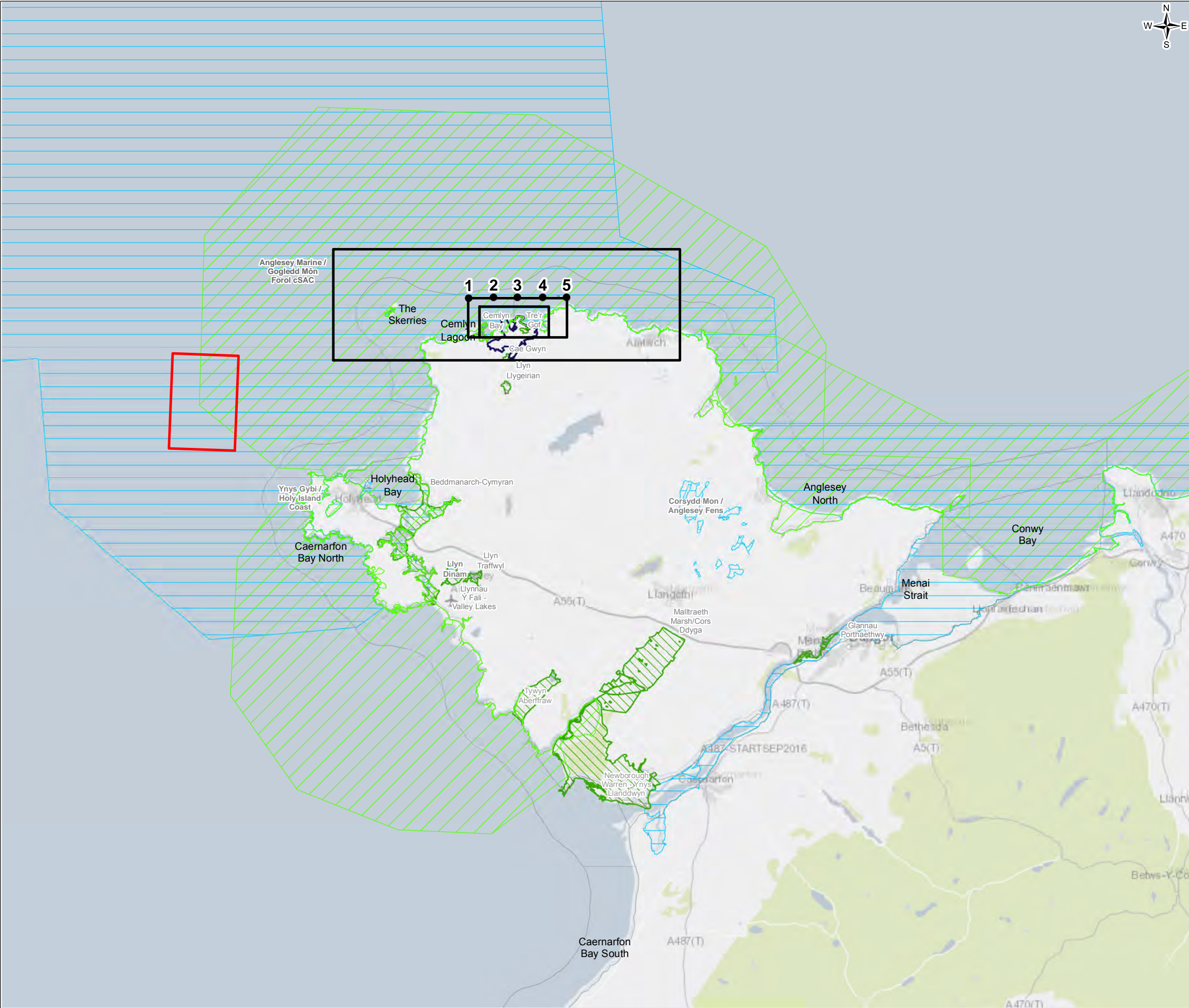
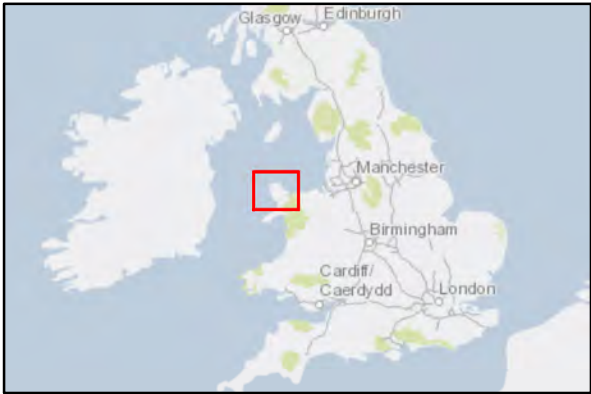


FIGURE D12-1

- Legend
- Wylfa Newydd Development Area
 - SWAN model grid extents (20m, 50m and 200m)
 - Holyhead North (the Disposal Site)
 - Water Framework Directive coastal water body
 - Special Protection Area (SPA)
 - Site of Special Scientific Interest (SSSI)
 - Special Area of Conservation (SAC)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Client

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

COASTAL PROCESSES AND MODELLING STUDY AREA
FOR SEDIMENT PLUMES AND DEPOSITION AROUND THE
WYLFA NEWYDD DEVELOPMENT AREA AND
DISPOSAL SITE AT HOLYHEAD NORTH

Scale @ A3	1:250,000	DO NOT SCALE
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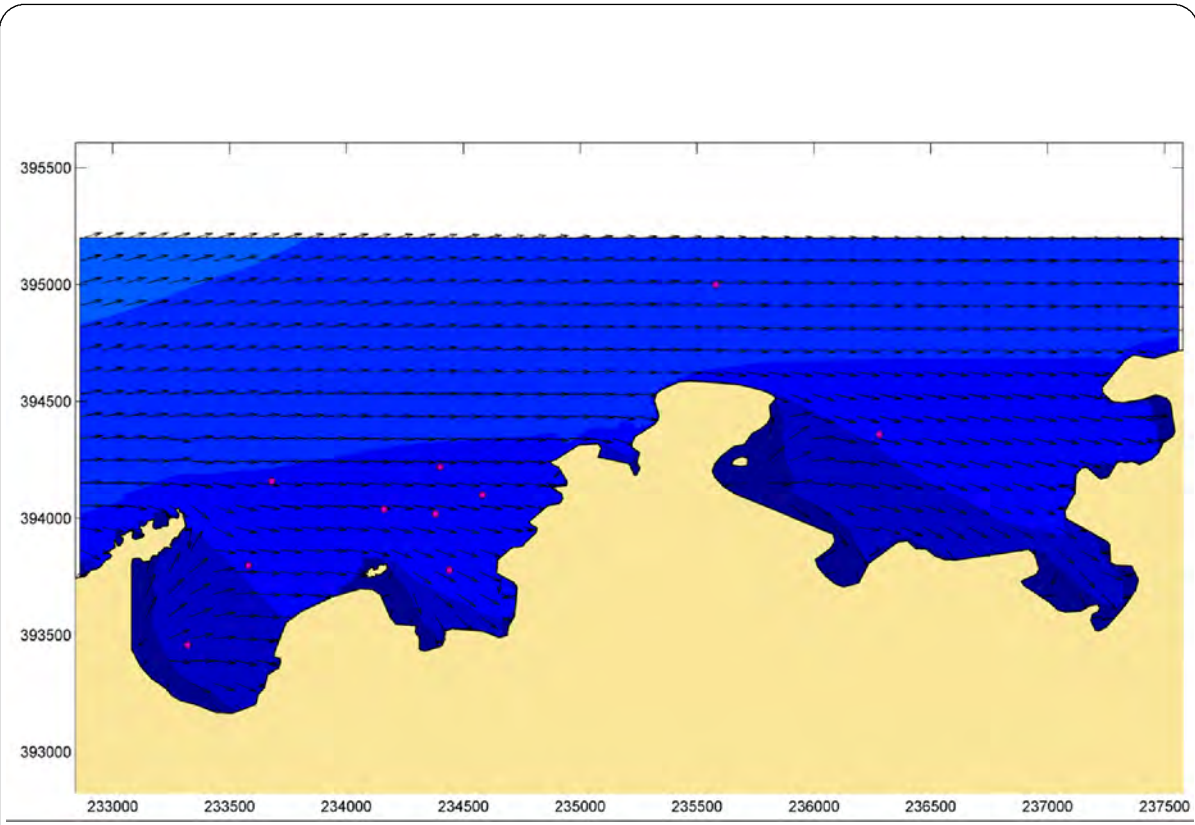
Jacobs No.	60PO8077
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Client No.	
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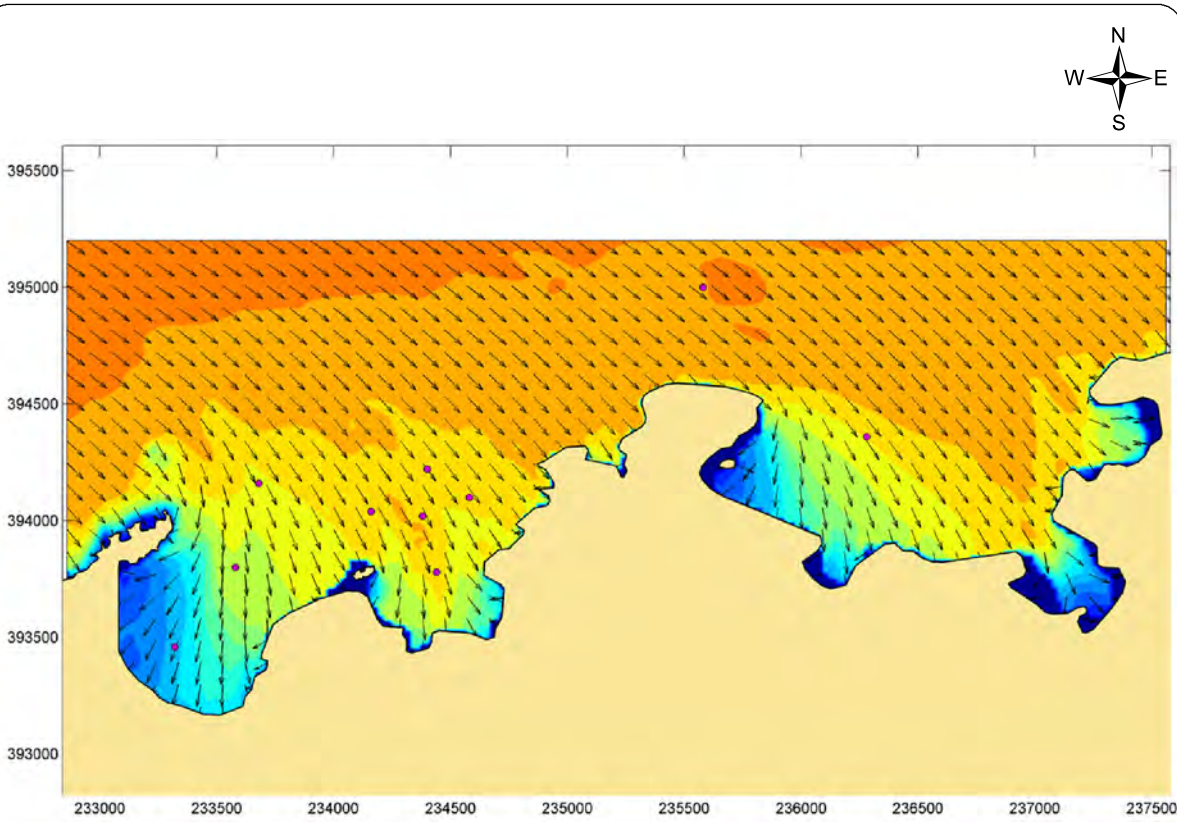
Drawing No.	60PO8077_DCO_D_12_01
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This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

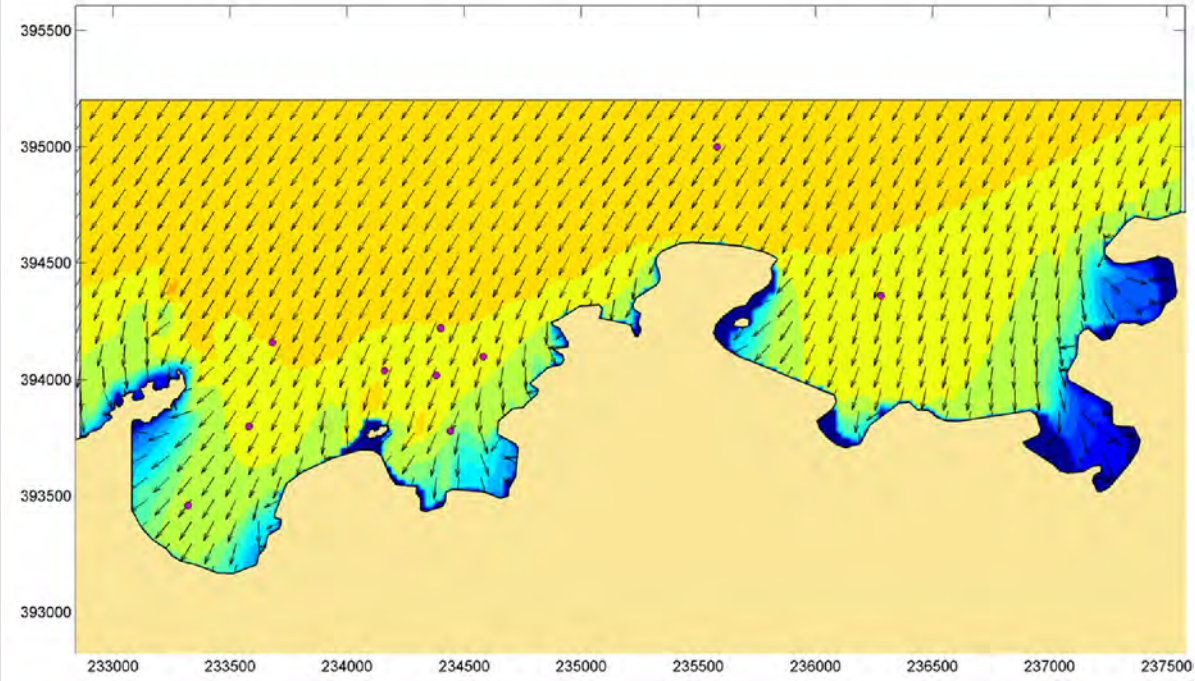




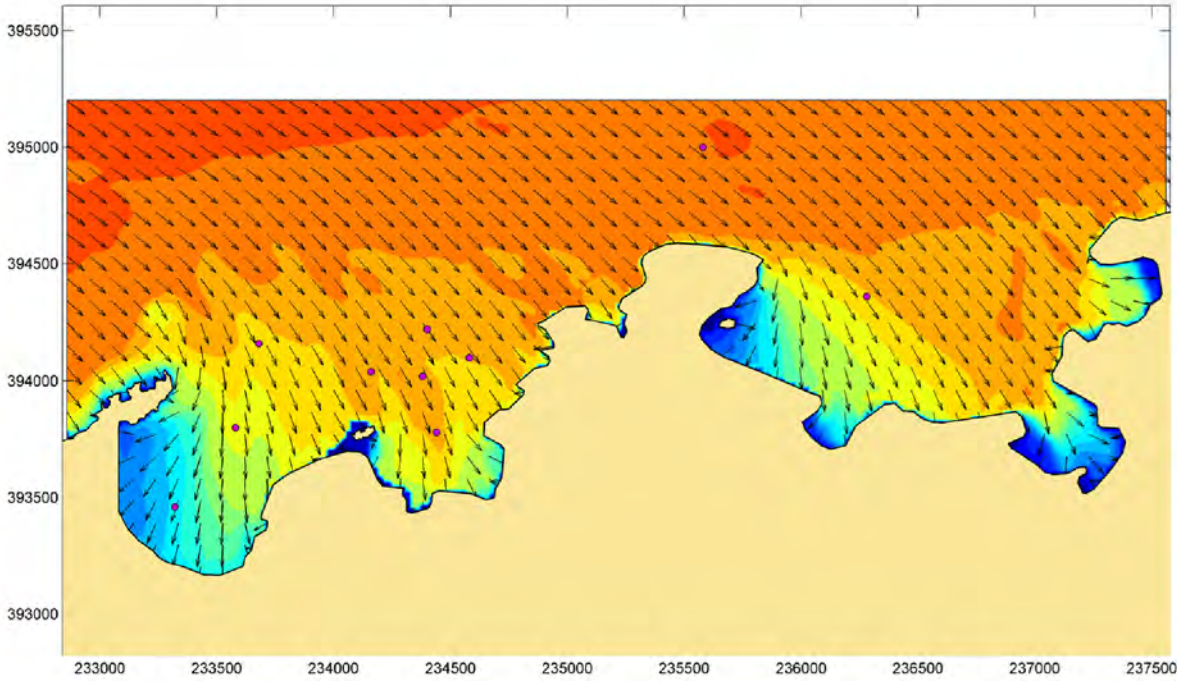
2023 - Summer, typical, 240°N sector



2023 - Winter, 99th percentile, NW sector



2023 - Winter, 99th percentile, NE Sector

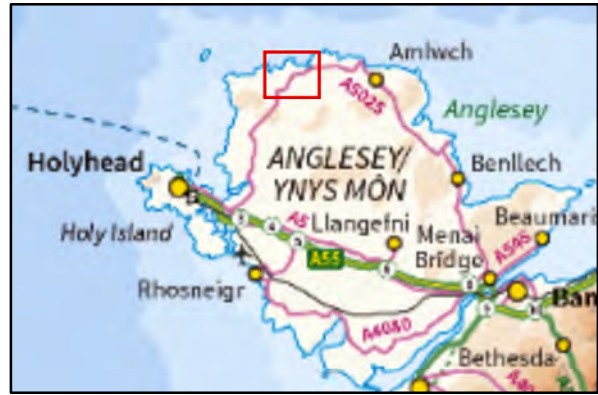
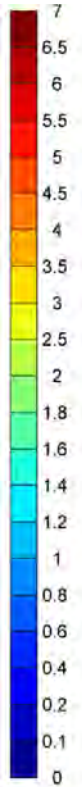


2087 - Winter, 99th percentile, NW sector

FIGURE D12-3

Legend

Wave height (m)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Client

HORIZON
NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

WAVE HEIGHT BASELINE

Scale @ A3

1:34,000

DO NOT SCALE

Jacobs No.

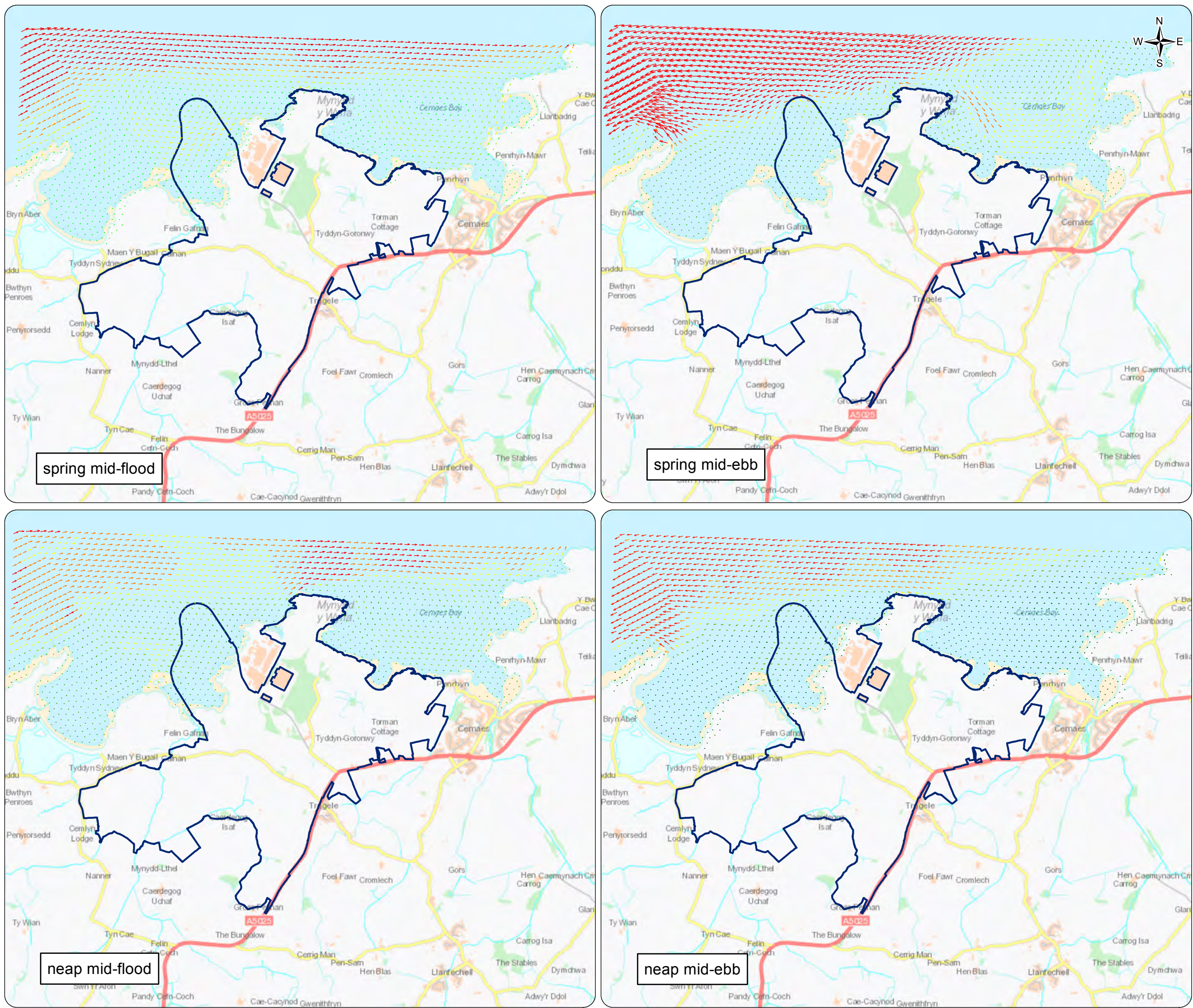
60PO8077

Client No.

Drawing No.

60PO8077_DCO_D_12_03

FIGURE D12-4



Legend

Wylfa Newydd Development Area

Velocity magnitude m/s

- >0.80
- 0.60 - 0.80
- 0.40 - 0.60
- 0.20 - 0.40
- 0.00 - 0.20



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			HORIZON NUCLEAR POWER			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			TIDAL CURRENTS: DIRECTION AND VELOCITY			
Scale @ A3	1:34,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_12_04					

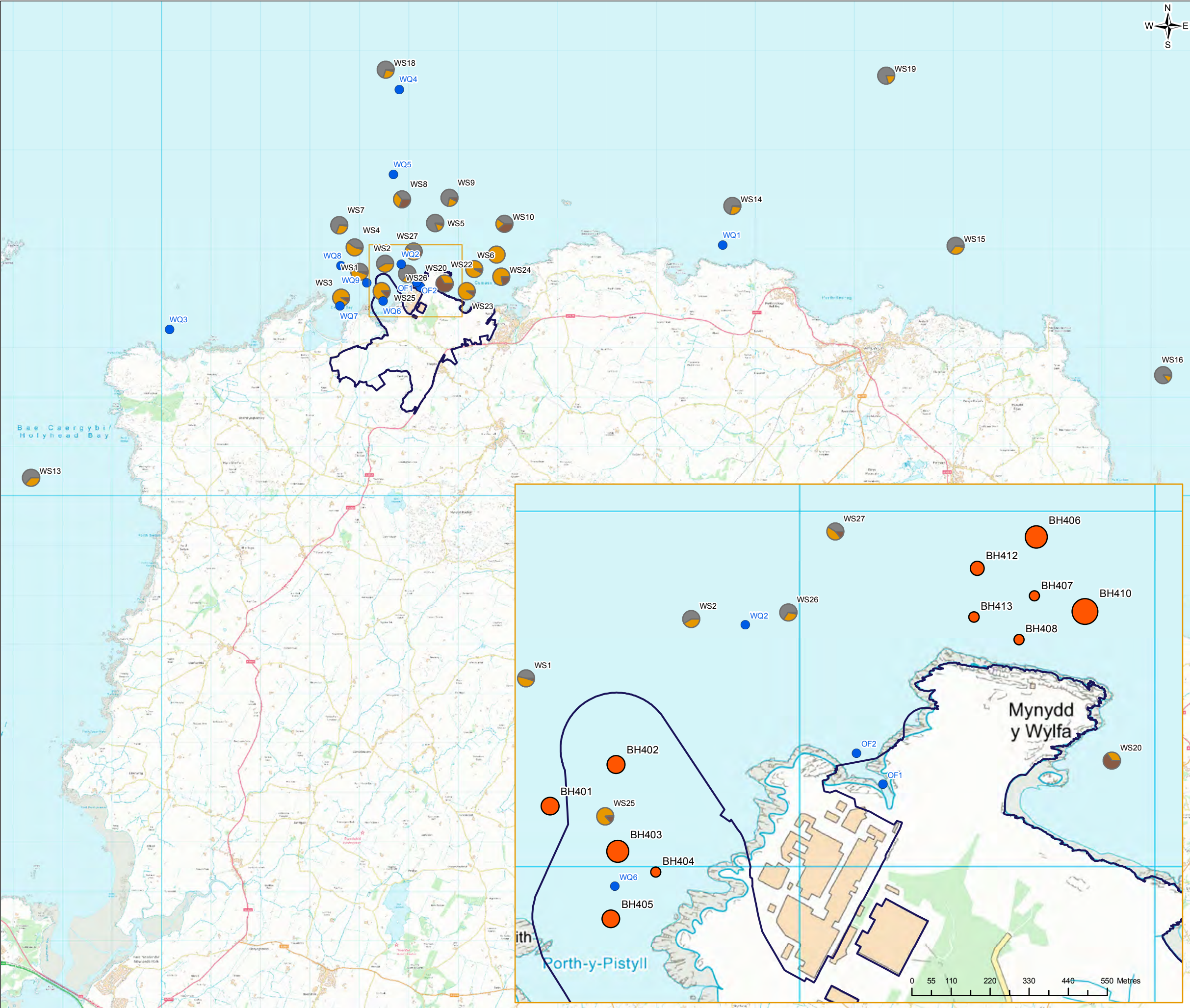



FIGURE 12-6

- Legend
- Wylfa Newydd Development Area
 - Water quality sampling points
 - Meters of superficial sediment above weathered or solid bedrock
 - 0.50m - 1.00m
 - 1.01m - 1.64m
 - 1.64m - 3.00m
 - 3.00m - 6.00m
 - 6.00m - 32.60m

- Subtidal benthic sampling site
- Gravel
 - Sand
 - Mud



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			SEABED SEDIMENT CHARACTERISATION			
Scale @ A3	1:75,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_12_06					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

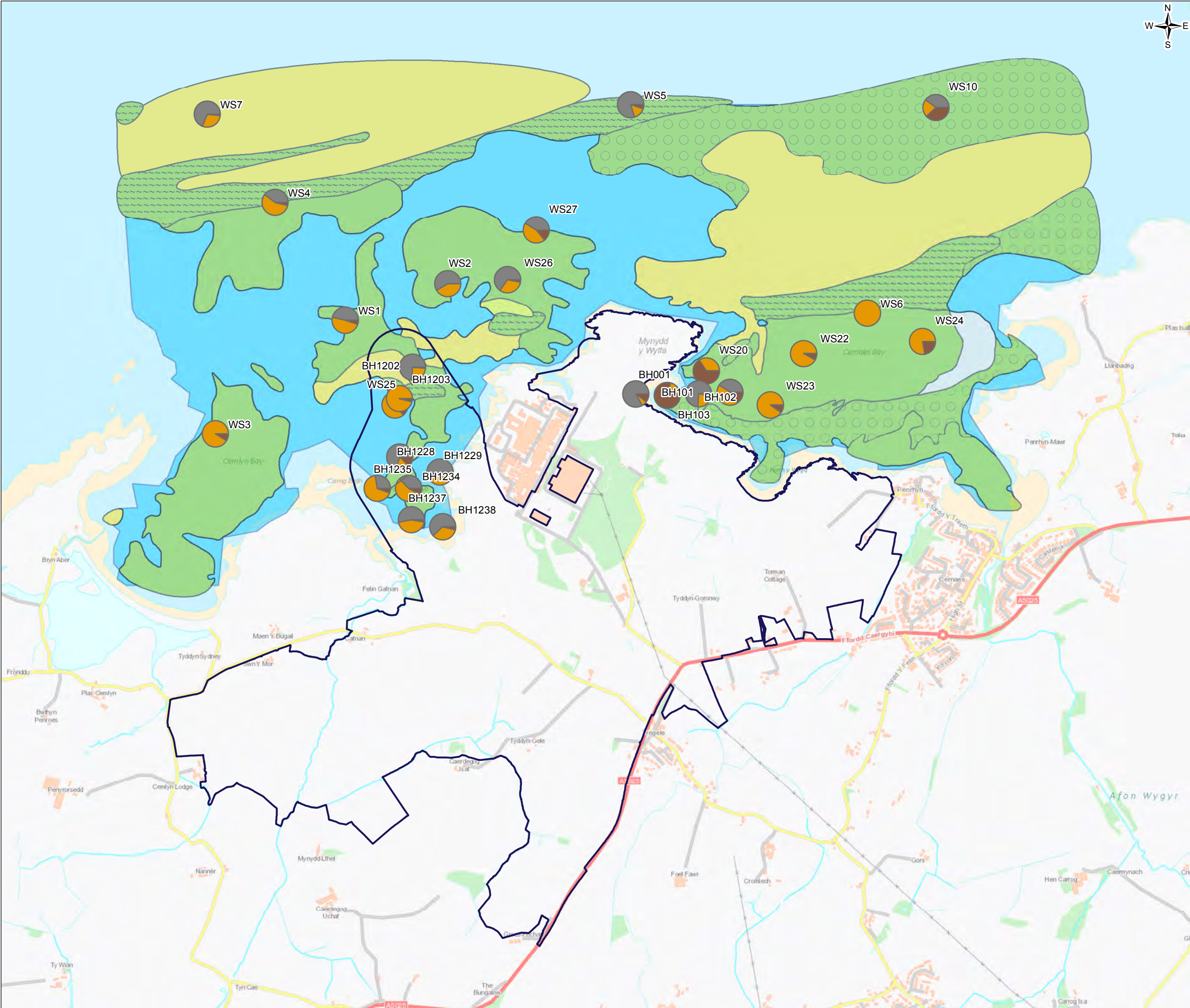


FIGURE D12-7

Legend

Wylfa Newydd Development Area

Sea bed features

- Featureless smooth sandy seabed
- Sandy seabed with megaripples
- Sandy seabed with scattered cobbles
- Smooth sandy gravel seabed
- Irregular sandy gravel seabed
- Coarse gravel seabed
- Very coarse gravel seabed
- Bedrock

Subtidal benthic sampling site

- Gravel
- Sand
- Mud

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client		<div></div>				
Project		WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT				
Drawing Title		SEABED FEATURES AND SUBTIDAL BENTHIC SAMPLING SITES				
Scale @ A3	1:17,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_12_07					

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

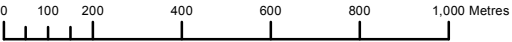
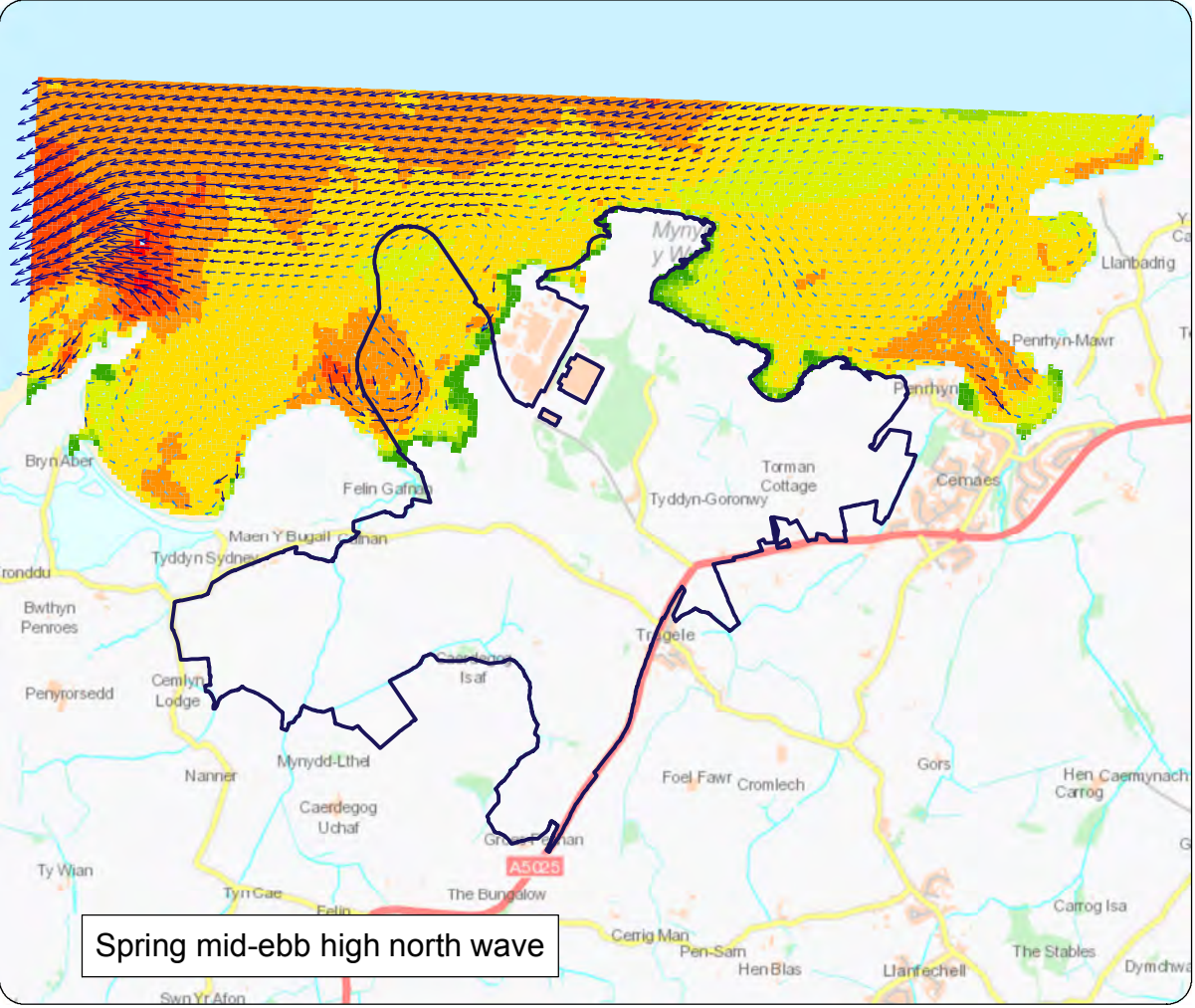
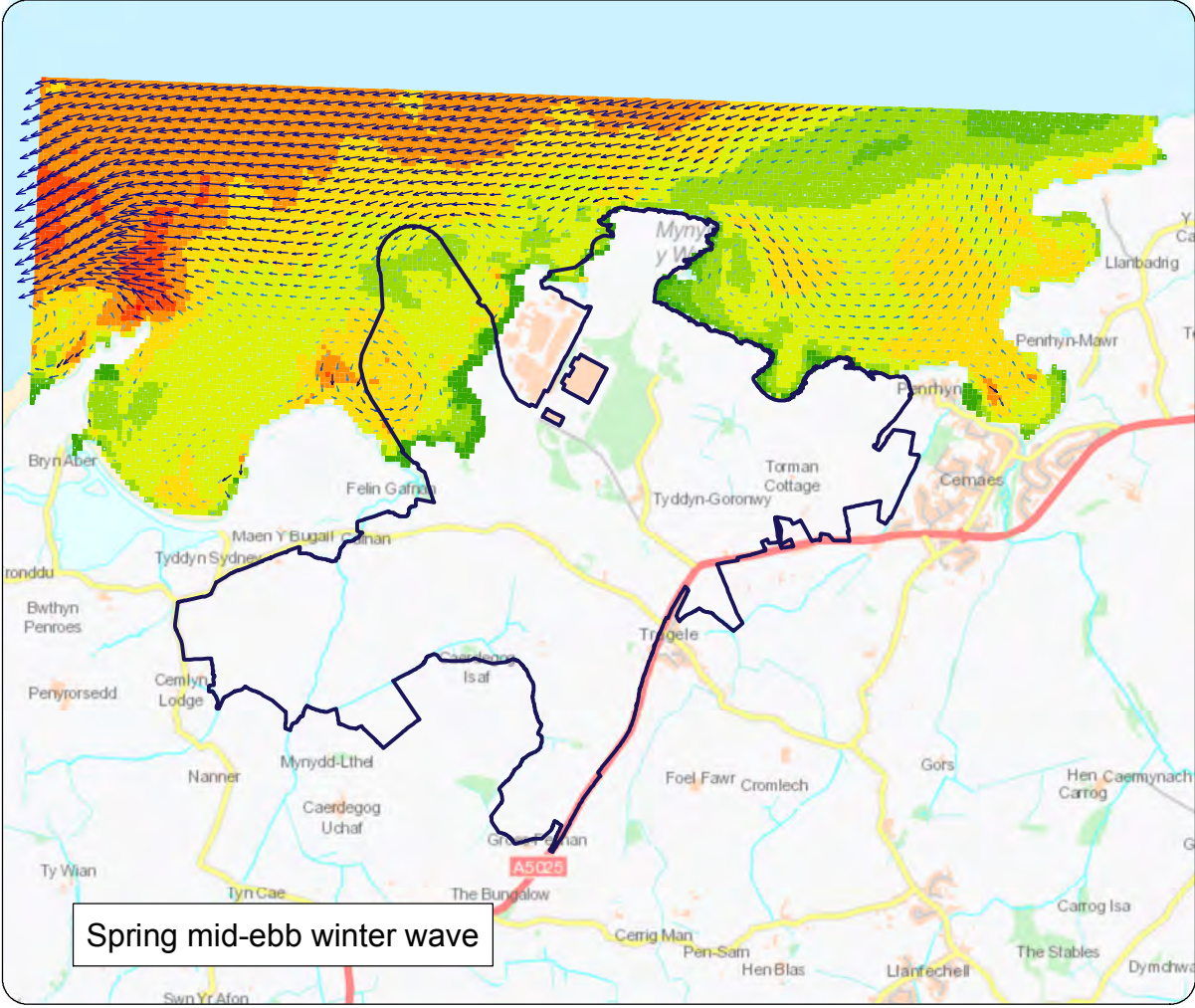
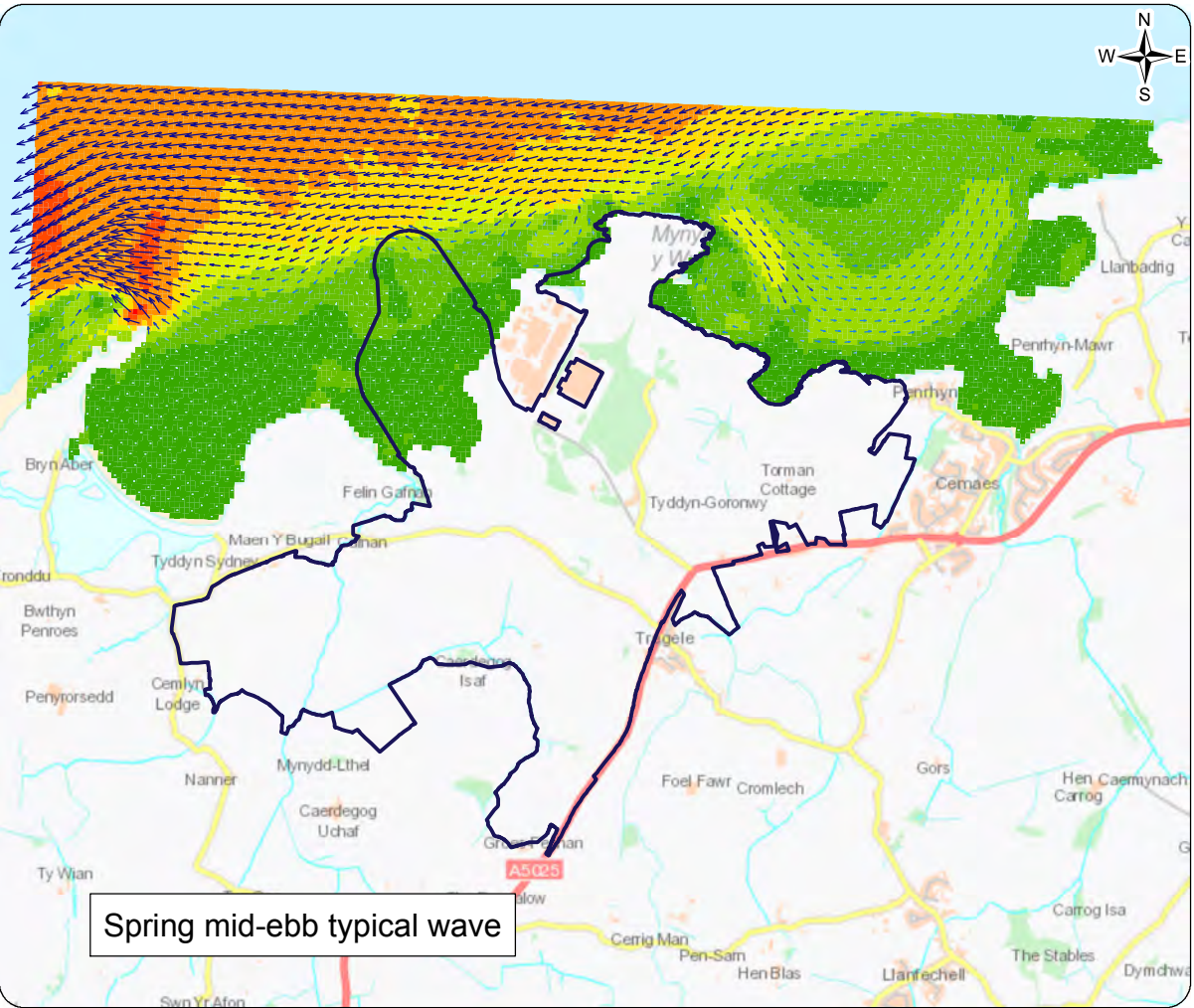
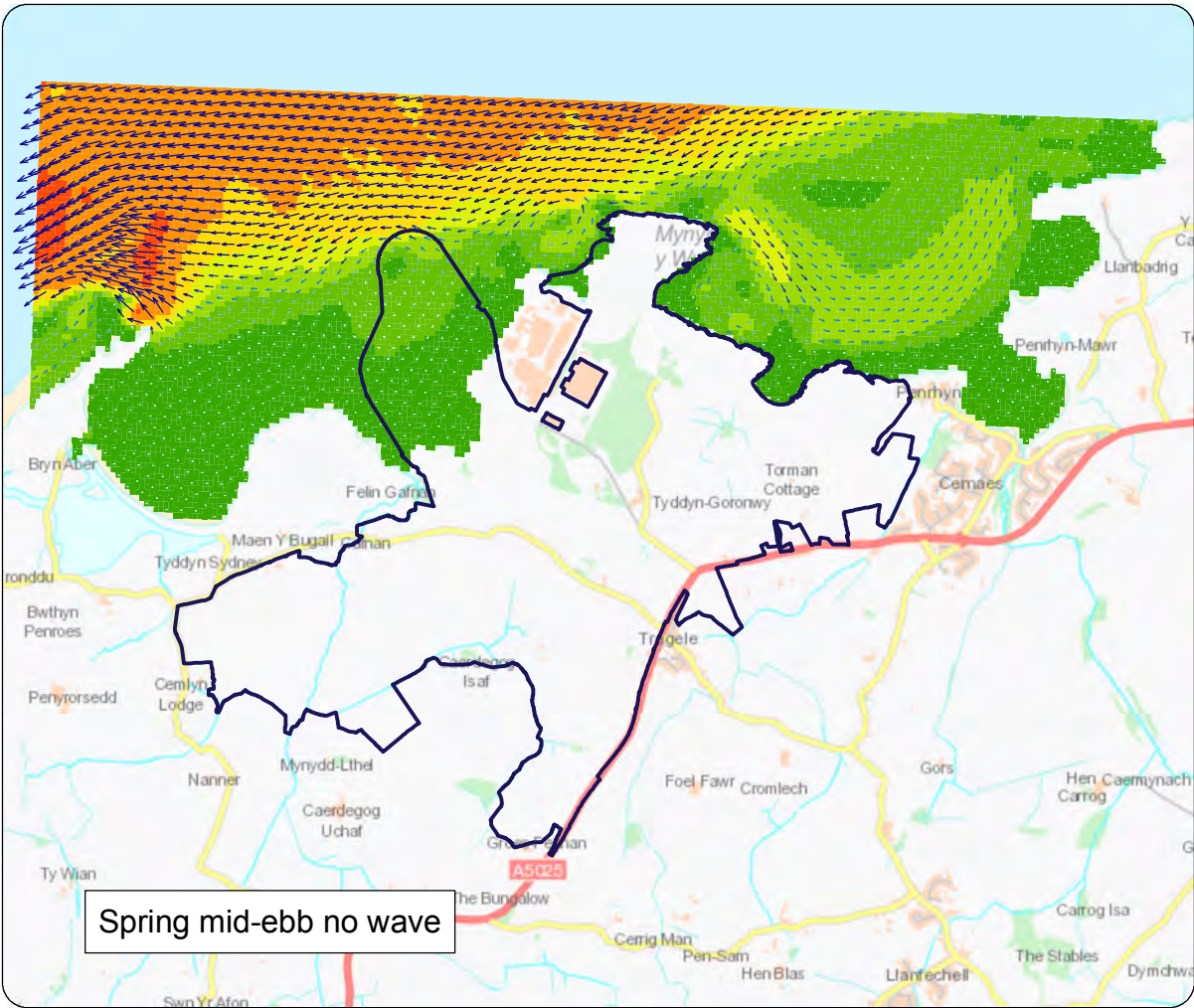
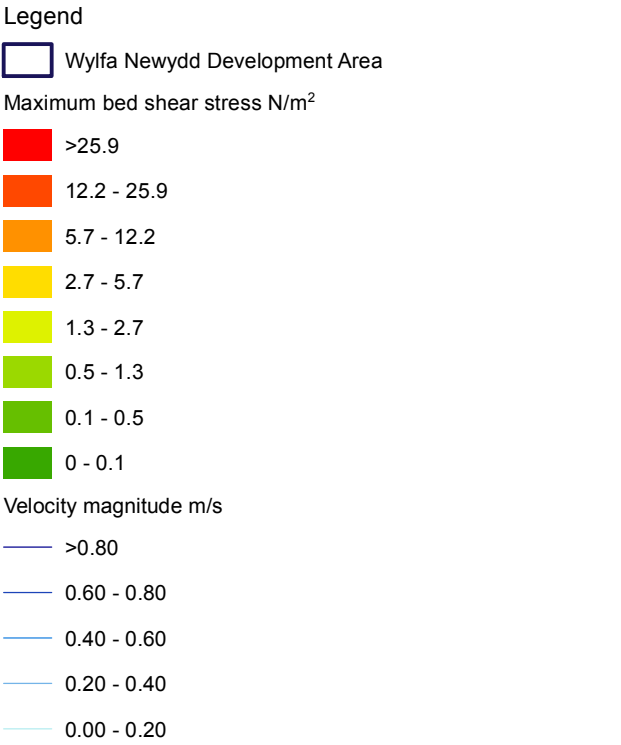



FIGURE D12-8



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			SHEAR STRESS BASELINE			
Scale @ A3	1:34,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_12_08			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

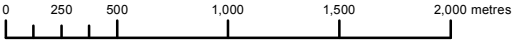
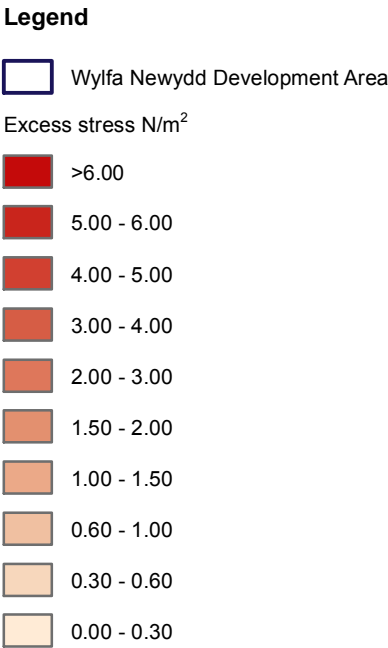


FIGURE D12-9



Spring mid-ebb typical wave: sand fraction

Spring mid-ebb typical wave: fine gravel fraction

Spring mid-ebb high north wave: sand fraction

Spring mid-ebb high north wave: fine gravel fraction



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client						
<div><div><div>HORIZON</div><div>NUCLEAR POWER</div></div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
AREAS WHERE SAND AND FINE GRAVELS ARE LIKELY TO BE MOBILISED BY A SPRING EBB TIDE COMBINED (RESPECTIVELY) WITH THE TYPICAL WAVE (RELATIVELY CALMER) AND THE HIGH NORTH WAVE (MORE DYNAMIC) CONDITION						
Scale @ A3	1:33,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.						
60PO8077_DCO_D_12_09						

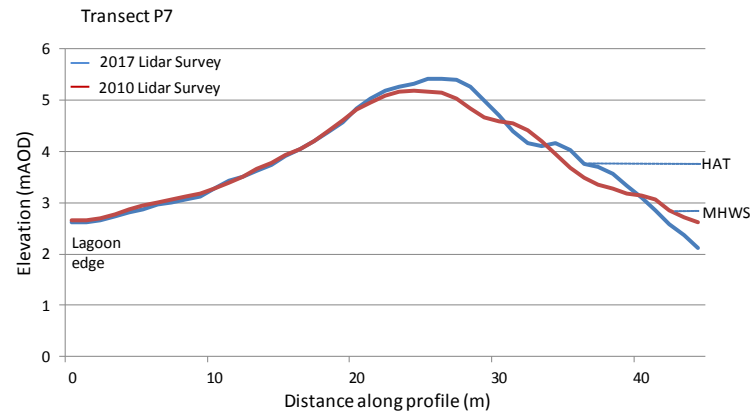
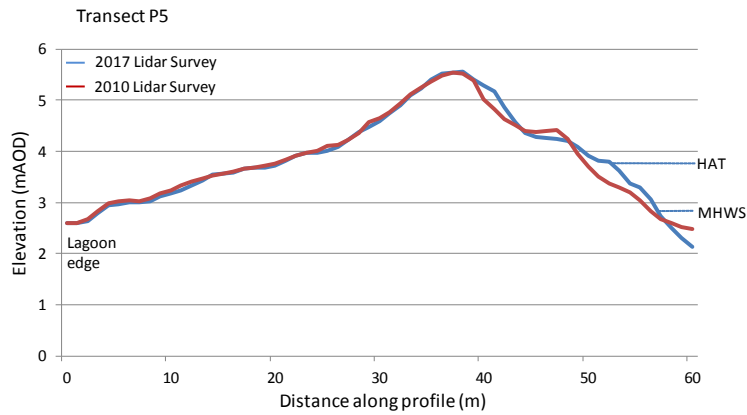
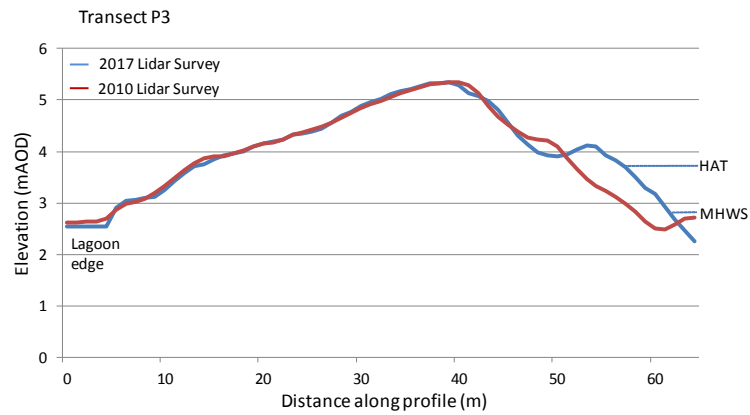


FIGURE D12-10

Legend

Transects 2017 Survey

Transect 2010 Survey

Esgair Gemlyn Shingle Ridge

Lidar 2017 to 2010 change (m AOD)

Less than -1

-0.99 to -0.50

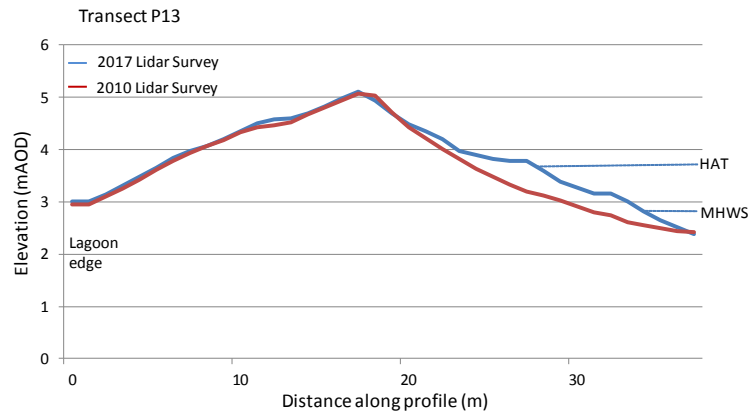
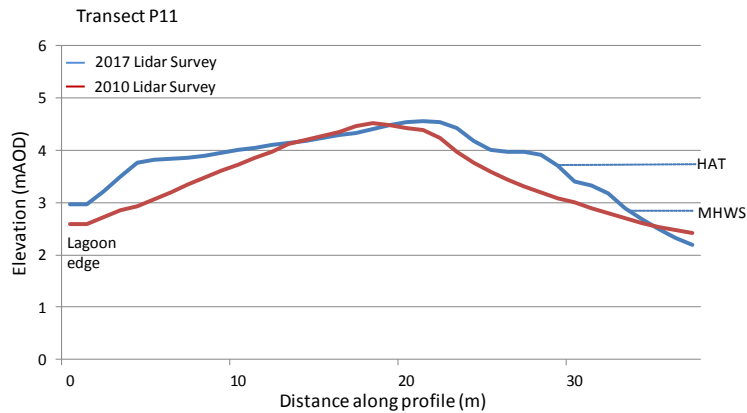
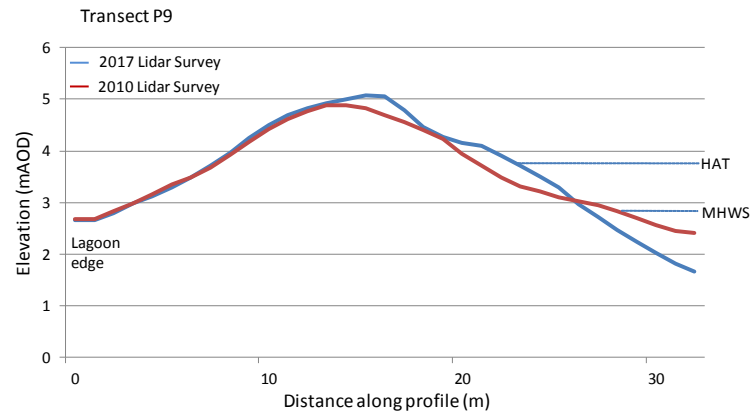
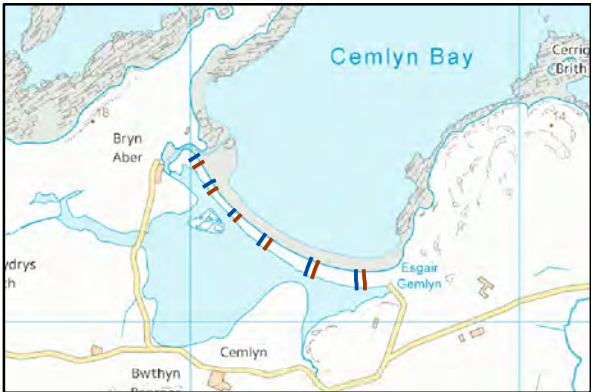
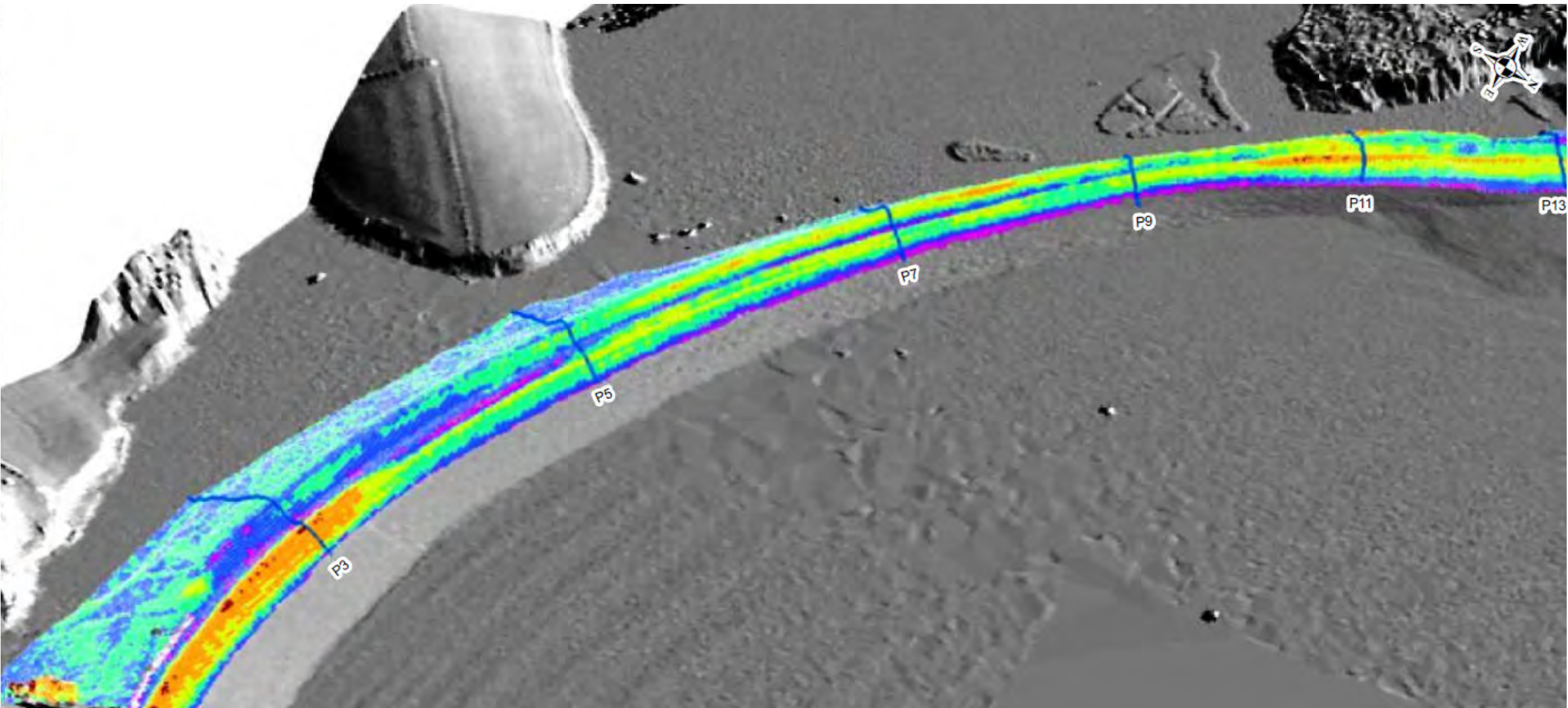
-0.49 to 0

0.01 - 0.50

0.51 - 1

1.01 - 1.50

1.51 - 2



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			CEMLYN BAY, ESGAIR GEMLYN LIDAR TRANSECTS AND CROSS PROFILES			
Scale @ A3	1:2,535		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_12_10			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



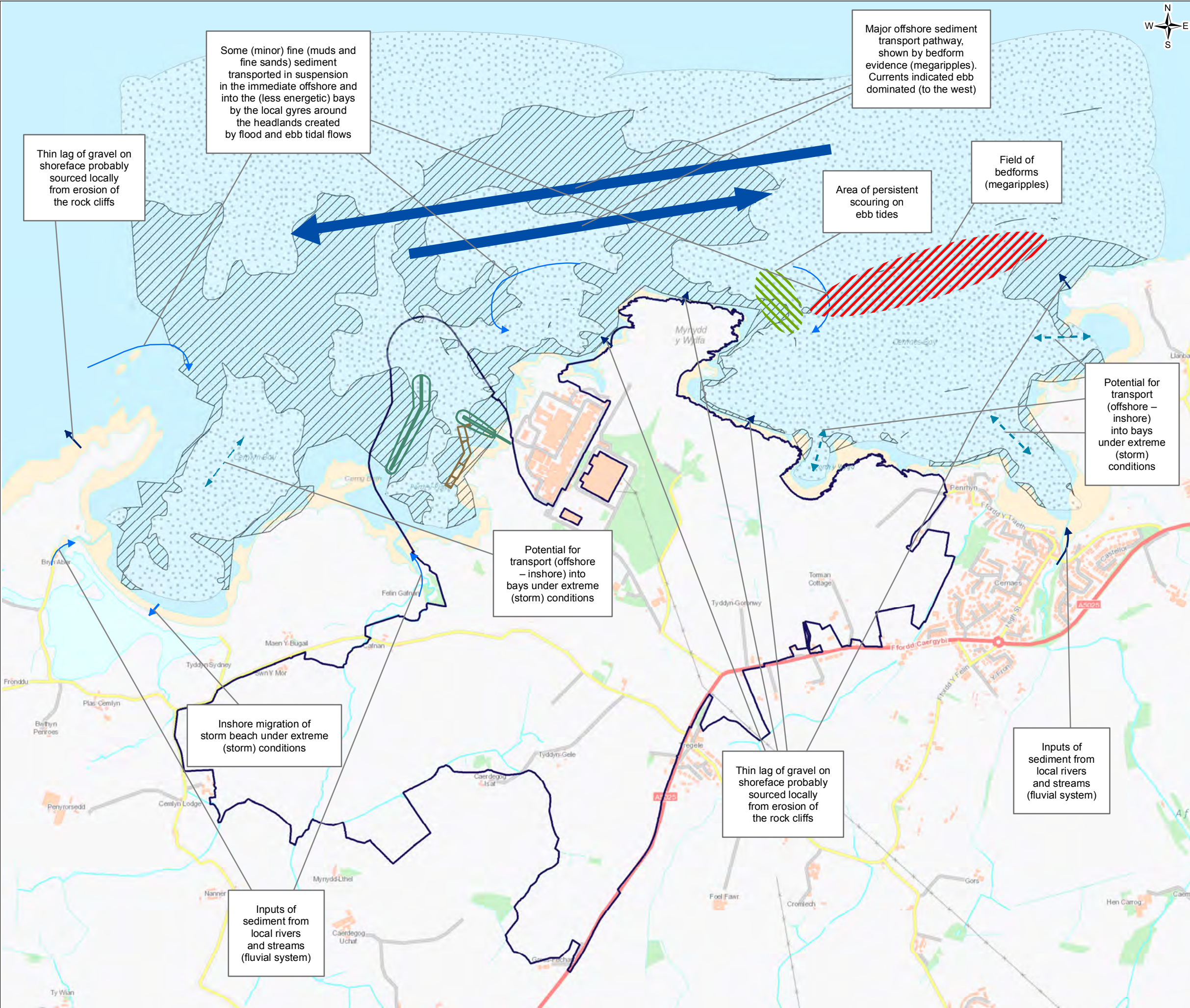


FIGURE D12-11

Legend

- Wylfa Newydd Development Area
- Bedrock
- Sediment
- Breakwaters
- Marine off-loading facility

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Client

HORIZON
NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

CONCEPTUAL DIAGRAM OF BASELINE SEDIMENT REGIME

Scale @ A3	1:16,000	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		
Drawing No.	60PO8077_DCO_D_12_11	

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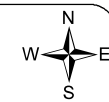
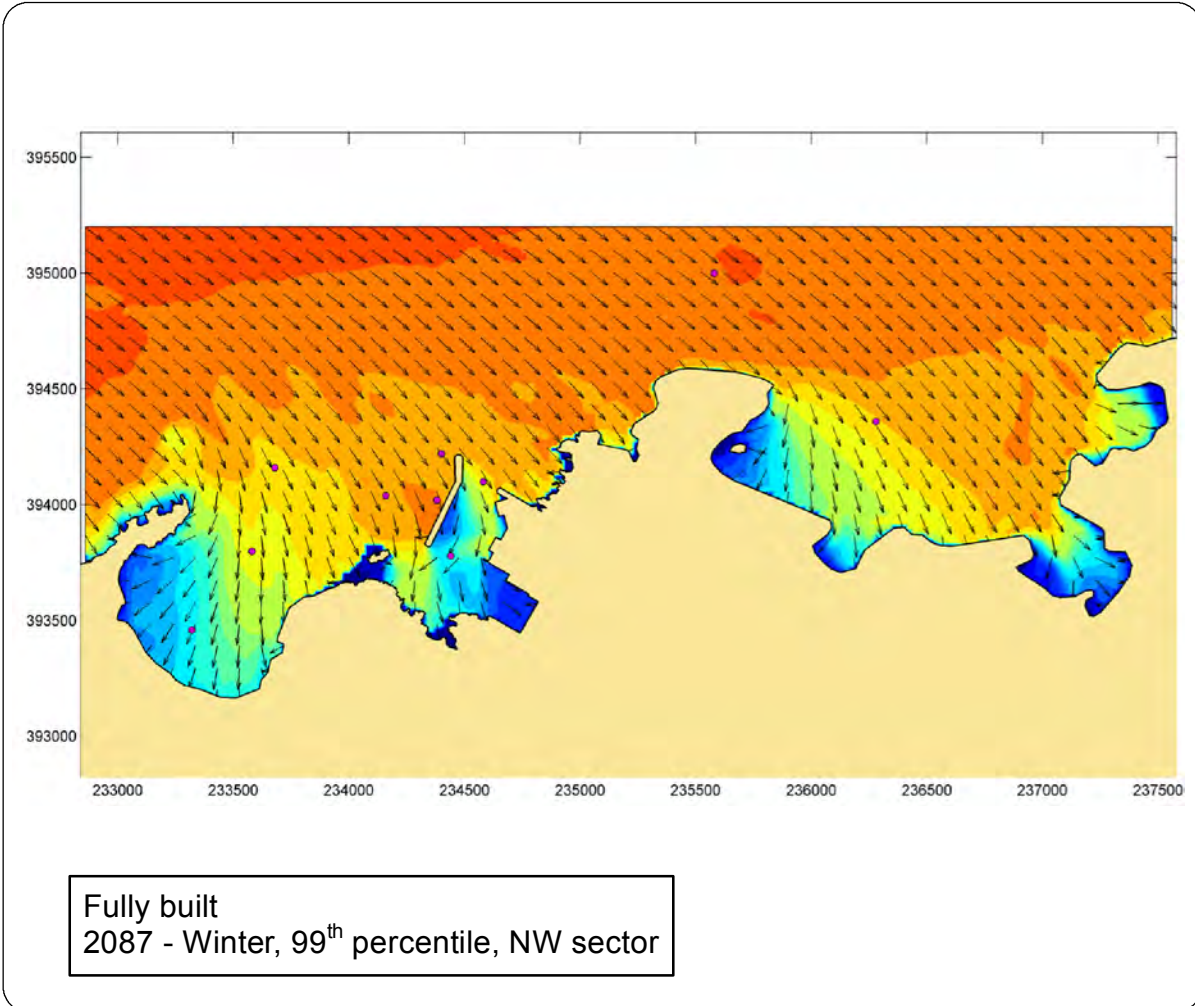
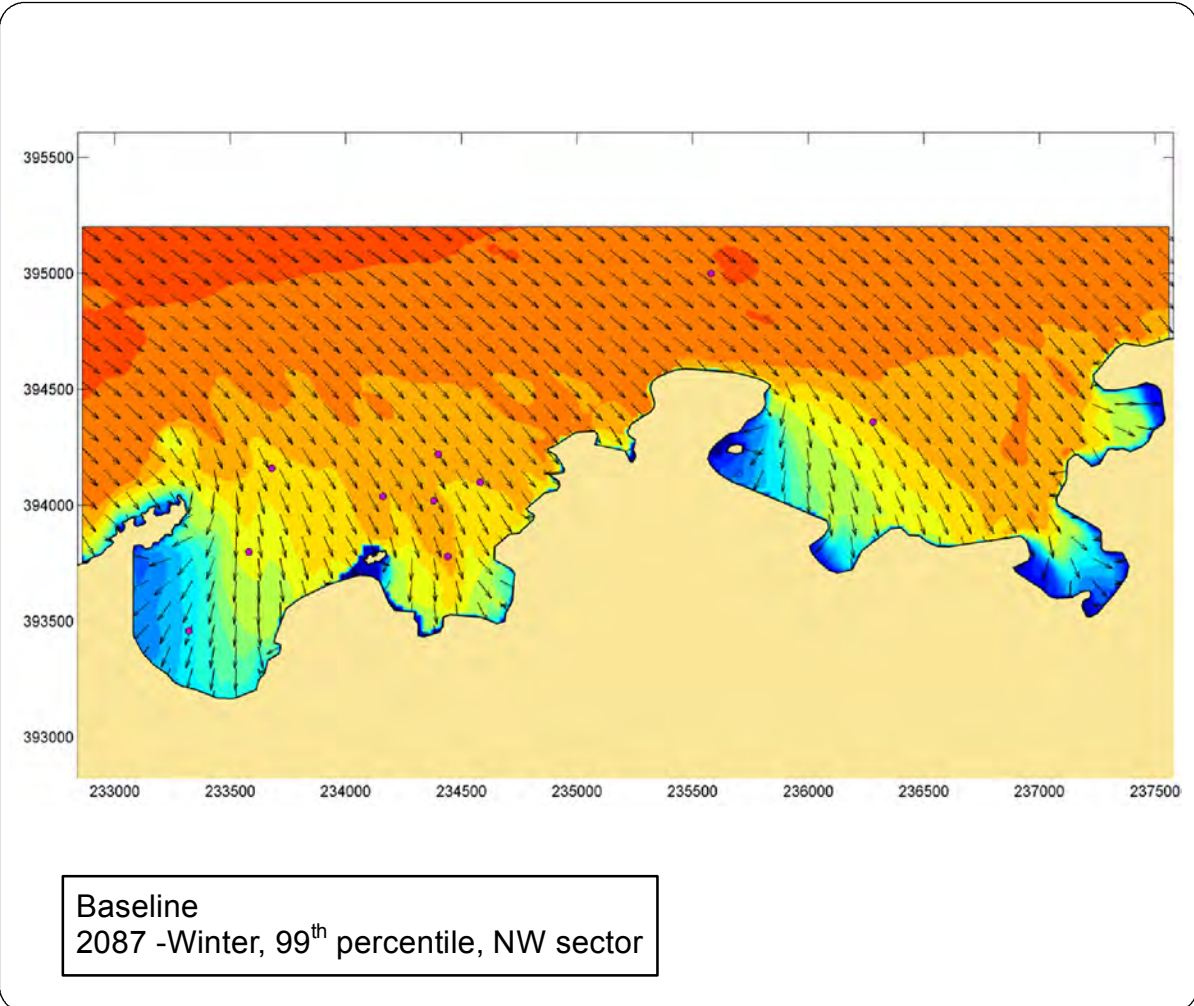
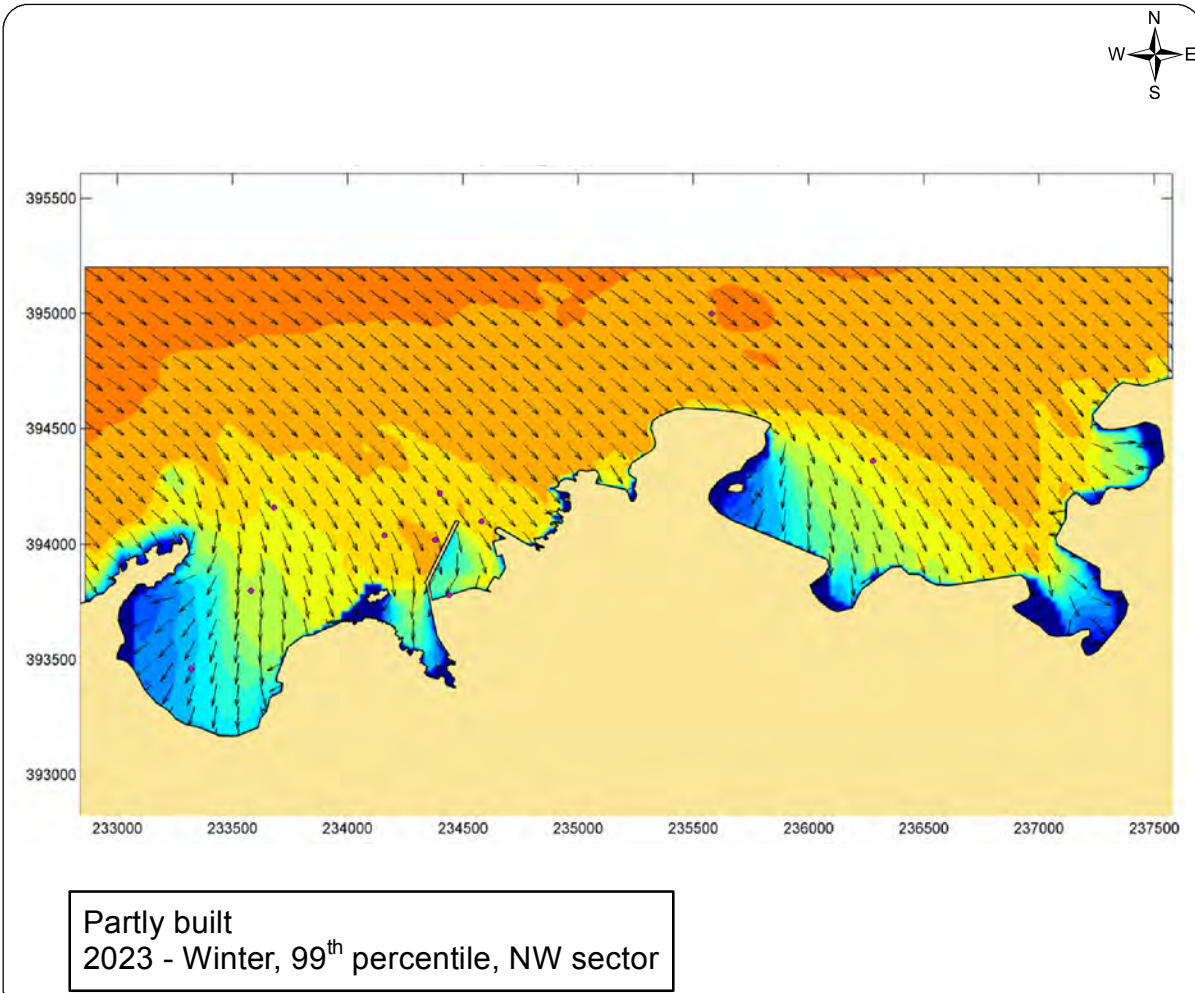
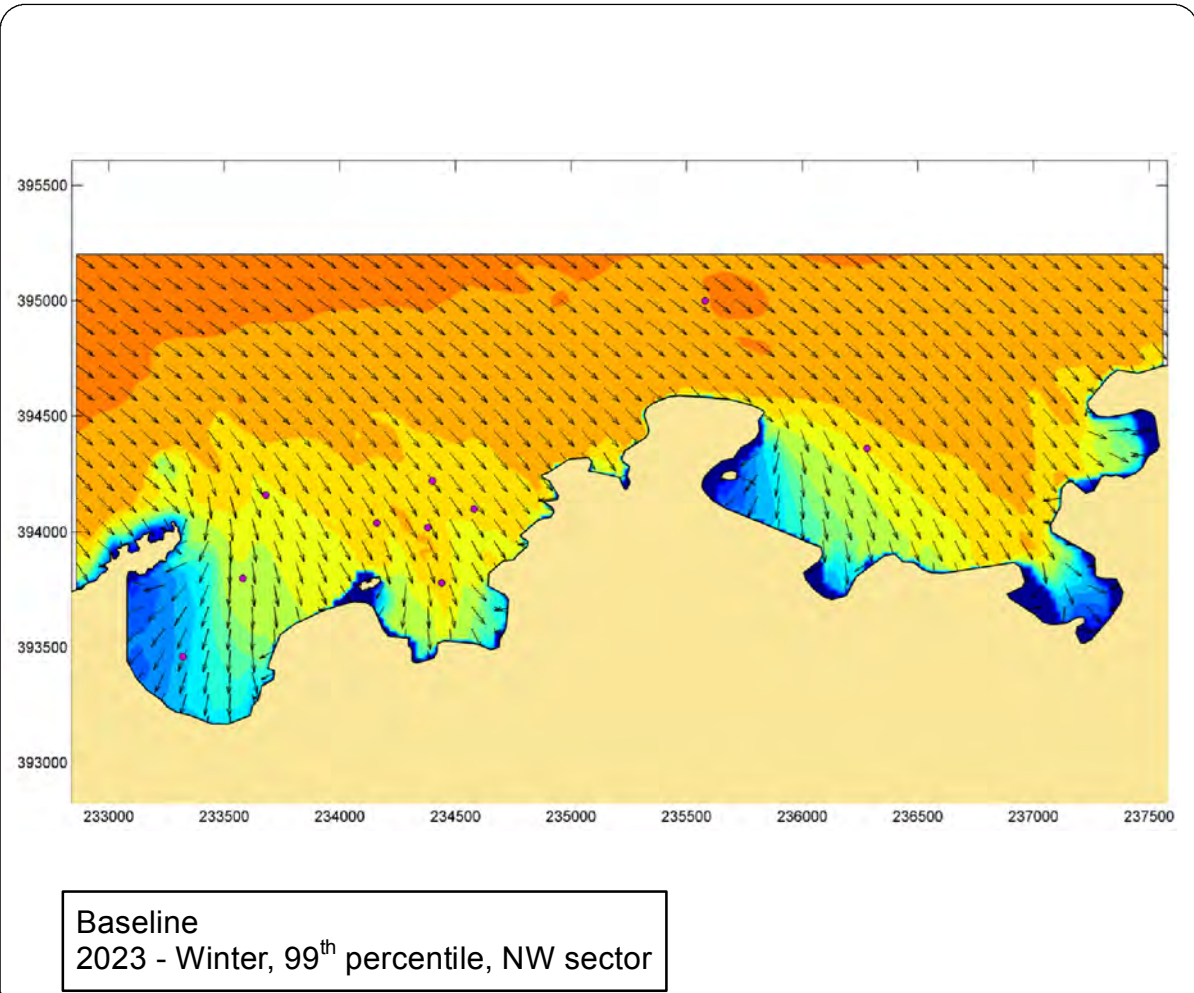
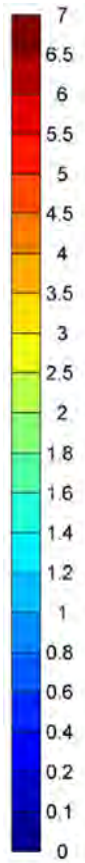


FIGURE D12-12

Legend

Wave height (m)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd

Client
HORIZON
NUCLEAR POWER

Project
WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title
COMPARISM OF WAVE HEIGHTS
(BASELINE, PARTLY AND FULLY BUILT SCENARIOS)

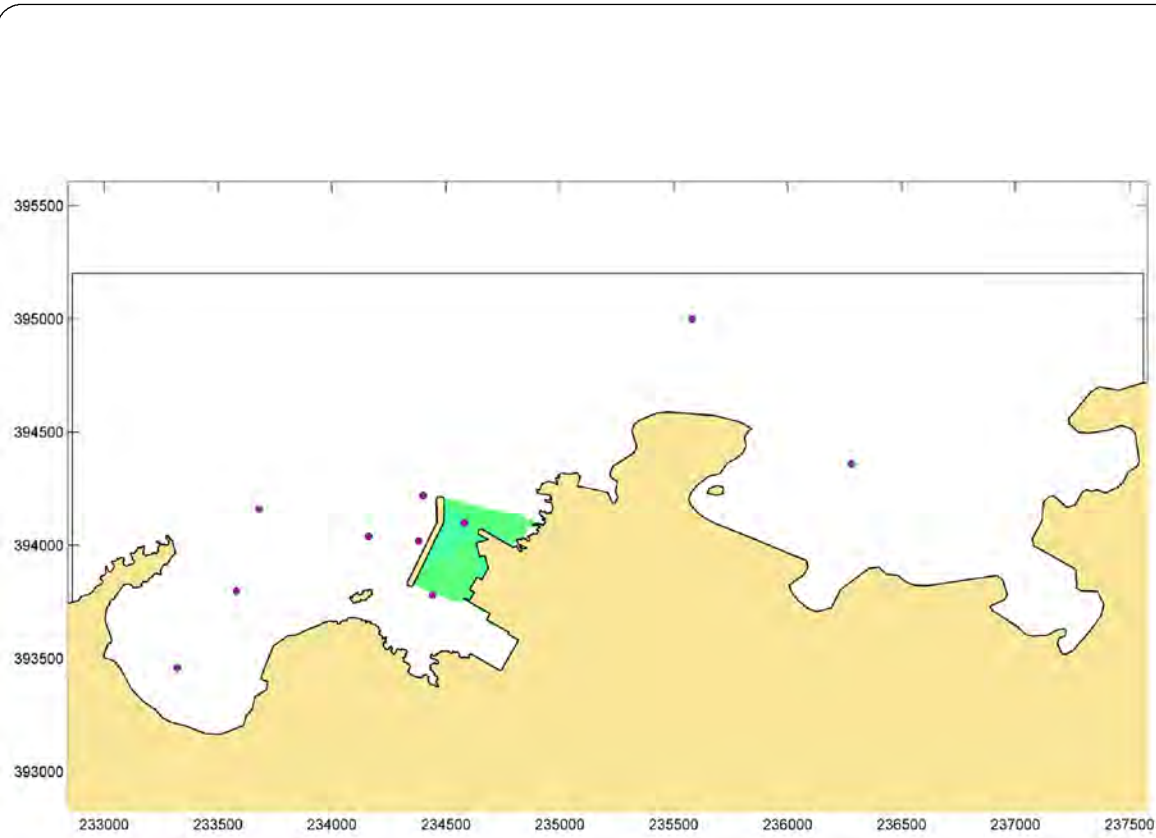
Scale @ A3
1:34,000
DO NOT SCALE

Jacobs No.
60PO8077

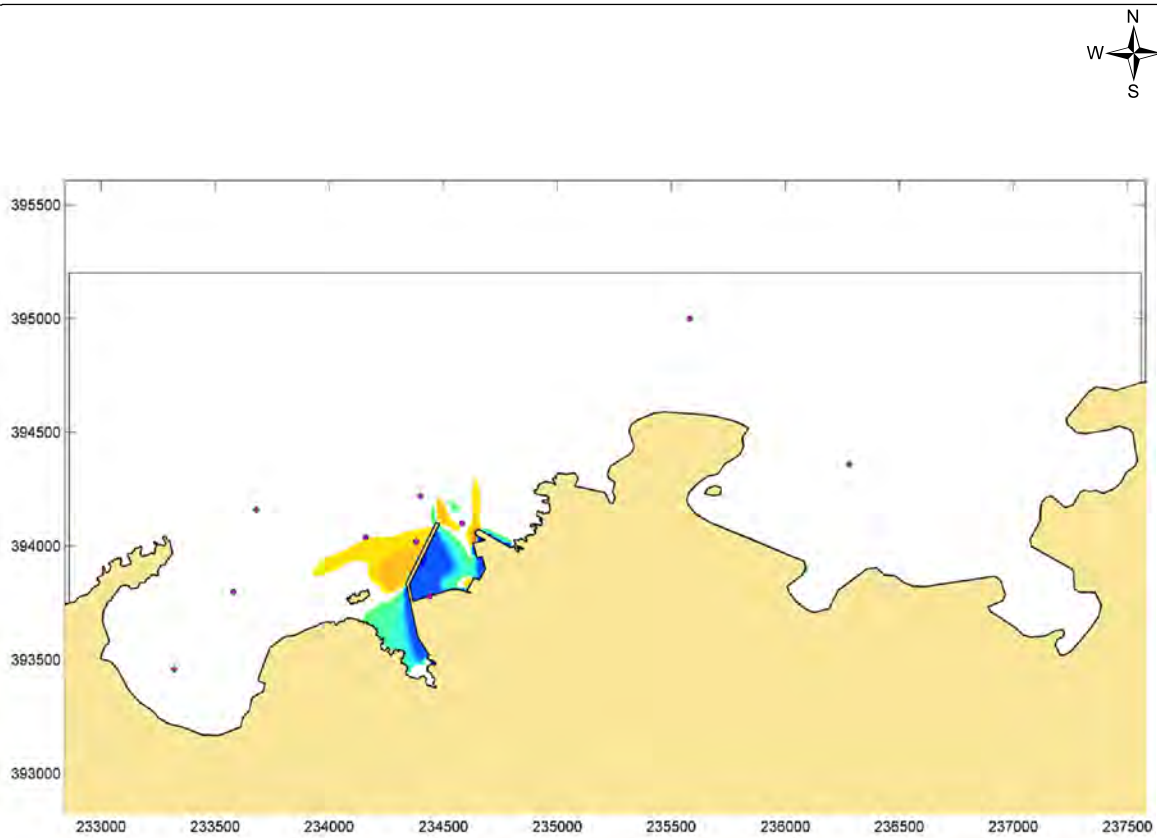
Client No.

Drawing No.
60PO8077_DCO_D_12_12

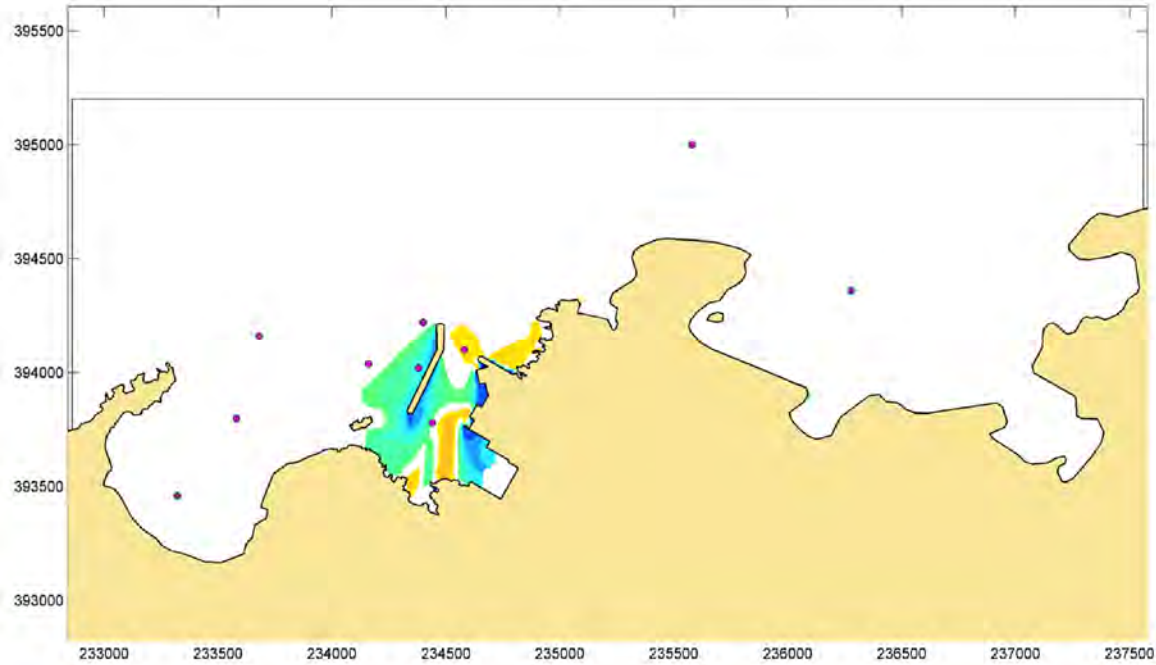
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



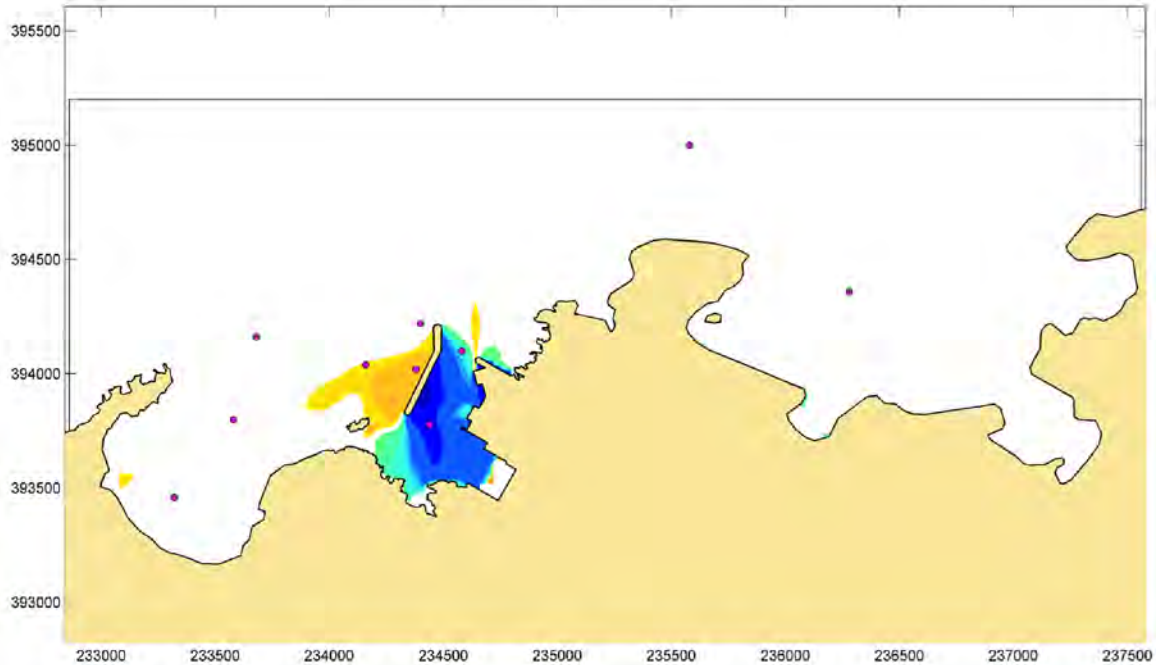
Fully built minus baseline
2023 - Summer, typical, 240°N sector



Partly built minus baseline
2023 - Winter, 99th percentile, NW sector



Fully built minus baseline
2023 -Winter, 99th percentile, NE sector



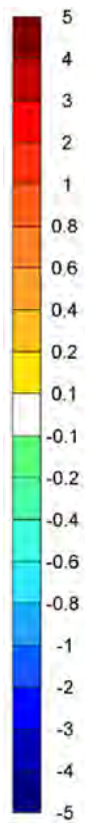
Fully built minus baseline
2087 - Winter, 99th percentile, NW sector



FIGURE D12-13

Legend

Wave height (m)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd

Client
HORIZON
NUCLEAR POWER

Project
WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title
DIFFERENCE IN WAVE HEIGHT

Scale @ A3 1:34,000 DO NOT SCALE

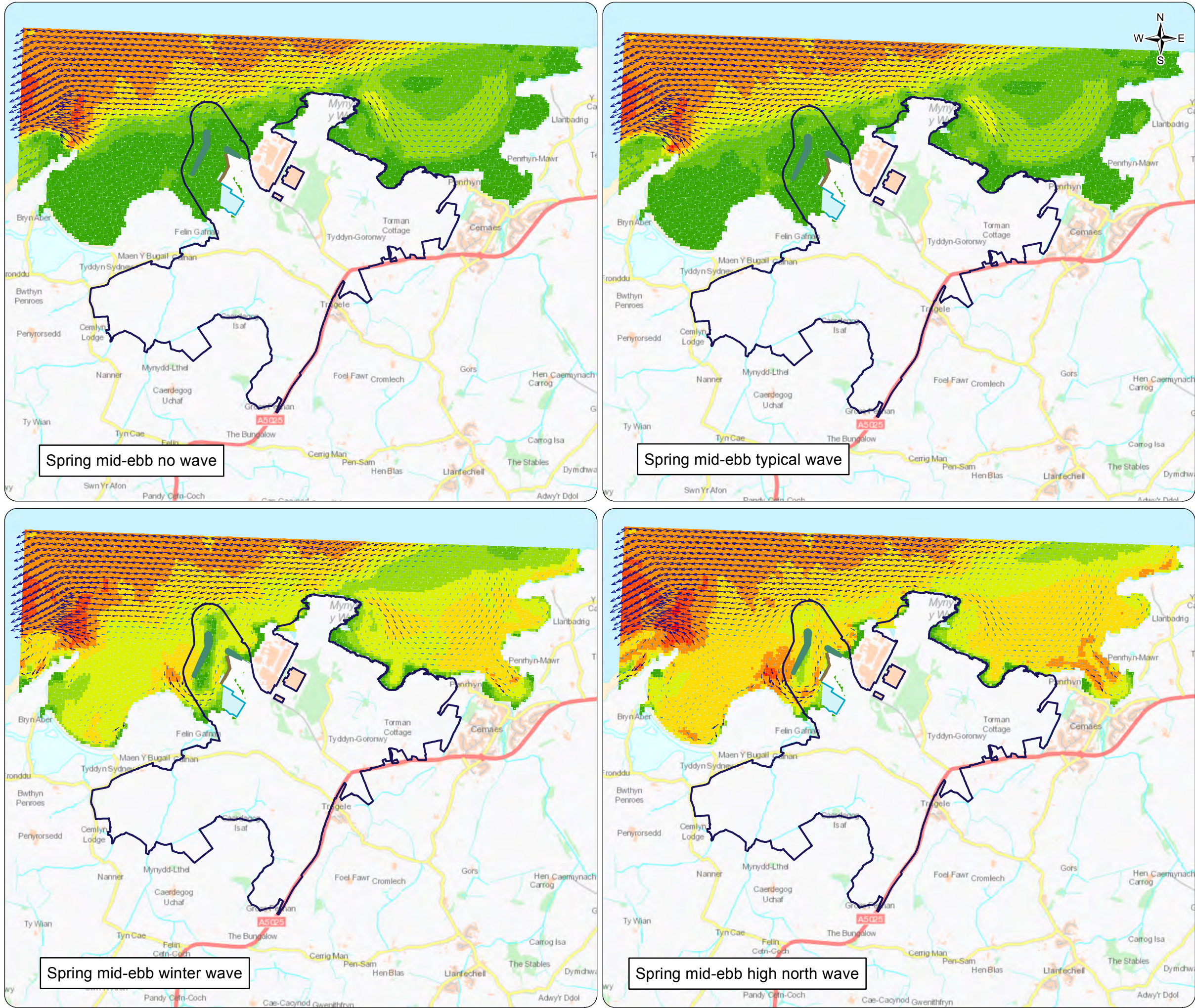
Jacobs No. 60PO8077

Client No.

Drawing No. 60PO8077_DCO_D_12_13

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FIGURE D12-14



Legend

- Wylfa Newydd Development Area
- Breakwaters
- Marine off-loading facility

Maximum bed shear stress as sediment mobility range N/m^2

- >25.9
- 12.2 - 25.9
- 5.7 - 12.2
- 2.7 - 5.7
- 1.3 - 2.7
- 0.5 - 1.3
- 0.1 - 0.5
- 0 - 0.1

Velocity magnitude m/s

- >0.80
- 0.60 - 0.80
- 0.40 - 0.60
- 0.20 - 0.40
- 0.00 - 0.20




1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			COMPARISON OF BED SHEAR STRESS (FULLY BUILT SCENARIOS)			
Scale @ A3	1:34,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_12_14			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

FIGURE D12-15

Wylfa Newydd Development Area

Breakwaters

Marine off-loading facility

Sediment

Difference in maximum bed shear stress N/m²

< -3.00

-3.00 - -1.00

-1.00 - -0.50

-0.5 - -0.10

-0.10 - 0.10

0.10 - 0.50

0.50 - 1.00

1.00 - 3.00

3.00 - 5.00

>5.00

1.0

MAR 18

DCO submission

HNPWL

HNPWL

HNPWL

HNPWL

Rev.

Date

Purpose of revision

Drawn

Check'd

Rev'd

Appr'd

Client

HORIZON

NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

DIFFERENCE IN MAXIMUM BED SHEAR
STRESS (N/m²) (FULLY BUILT SCENARIO)

Scale @ A3

1:34,000

DO NOT SCALE

Jacobs No.

60PO8077

Client No.

Drawing No.

60PO8077_DCO_D_12_15

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0 125 250 500 750 1,000 1,250 Metres

FIGURE D12-16

Legend

Wylfa Newydd Development Area

Total deposition (i.e. increase in thickness) assuming a continuous dredging programme (35 days)

>0.1cm - 0.5cm

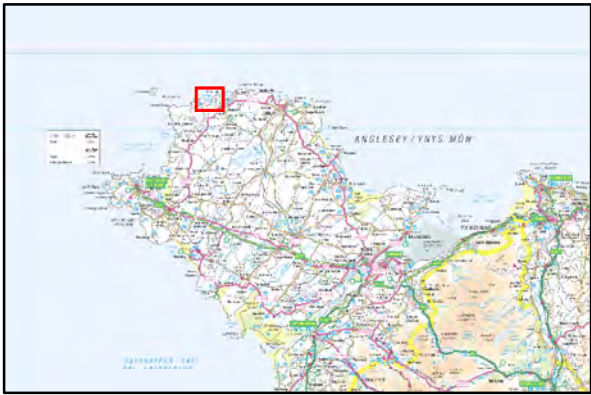
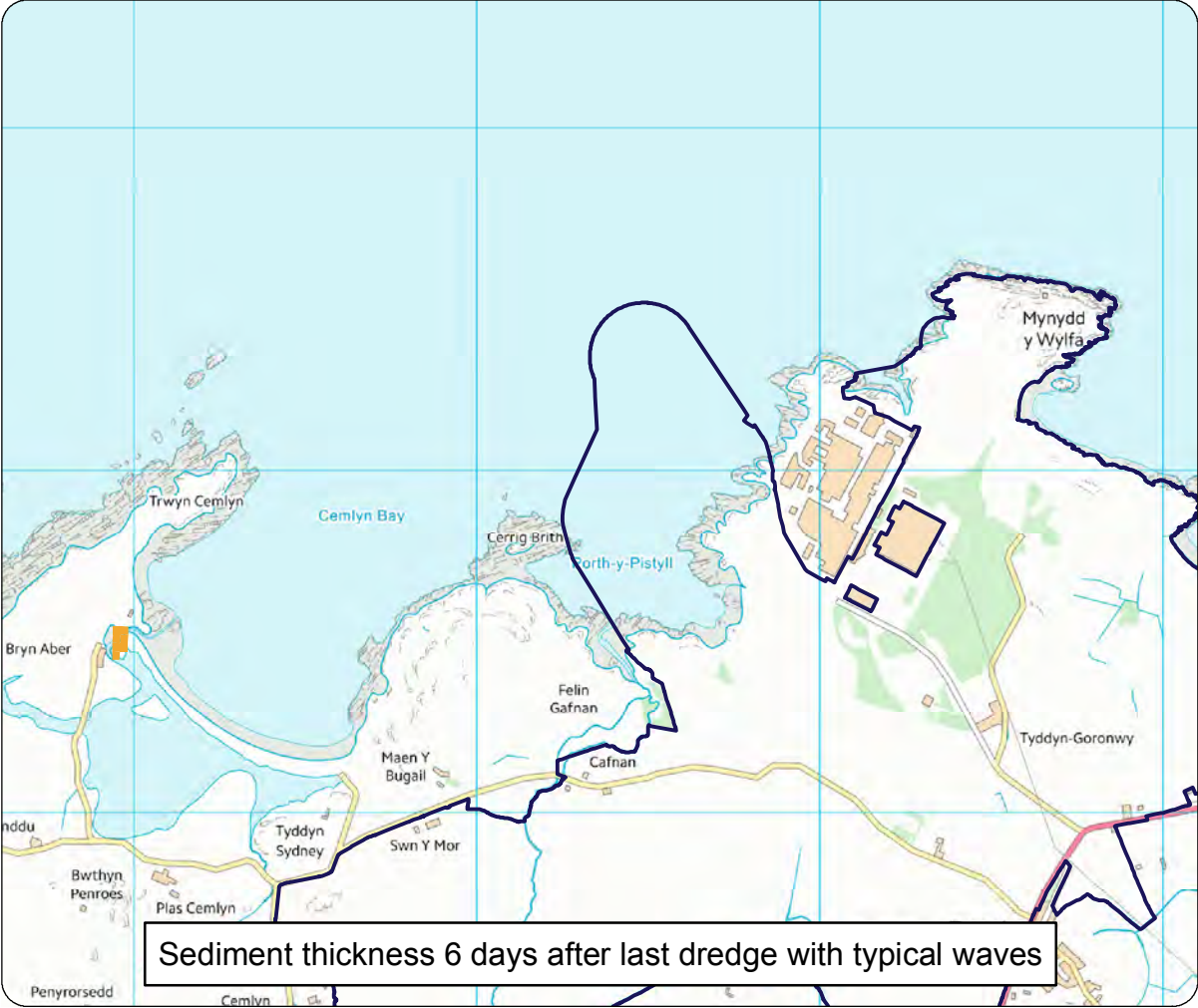
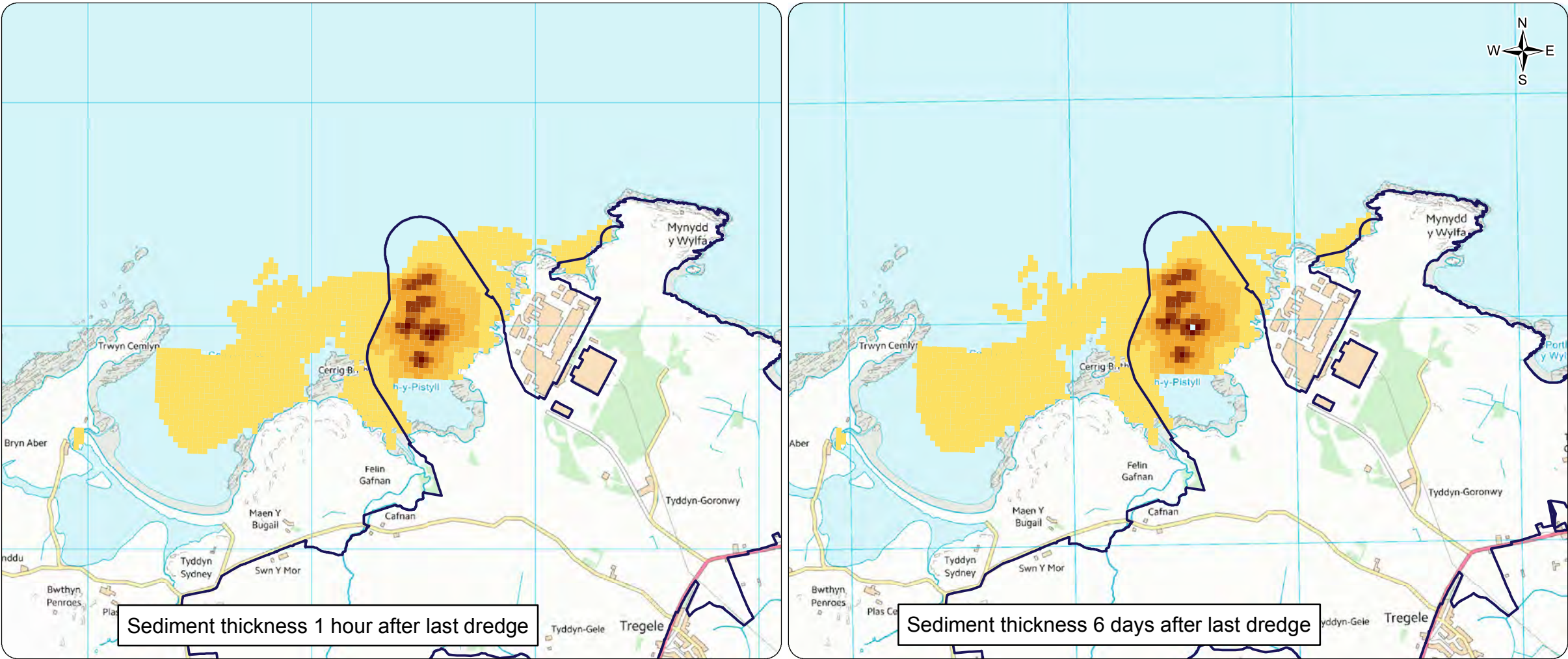
>0.5cm - 1cm


>1cm - 5cm

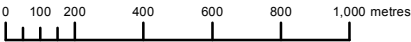
>5cm - 10cm

>10cm - 50cm

>50cm - 173cm



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			MODELLED SEDIMENT DEPOSITION FOLLOWING DREDGING ACTIVITIES			
Scale @ A3	1:22,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_12_16			
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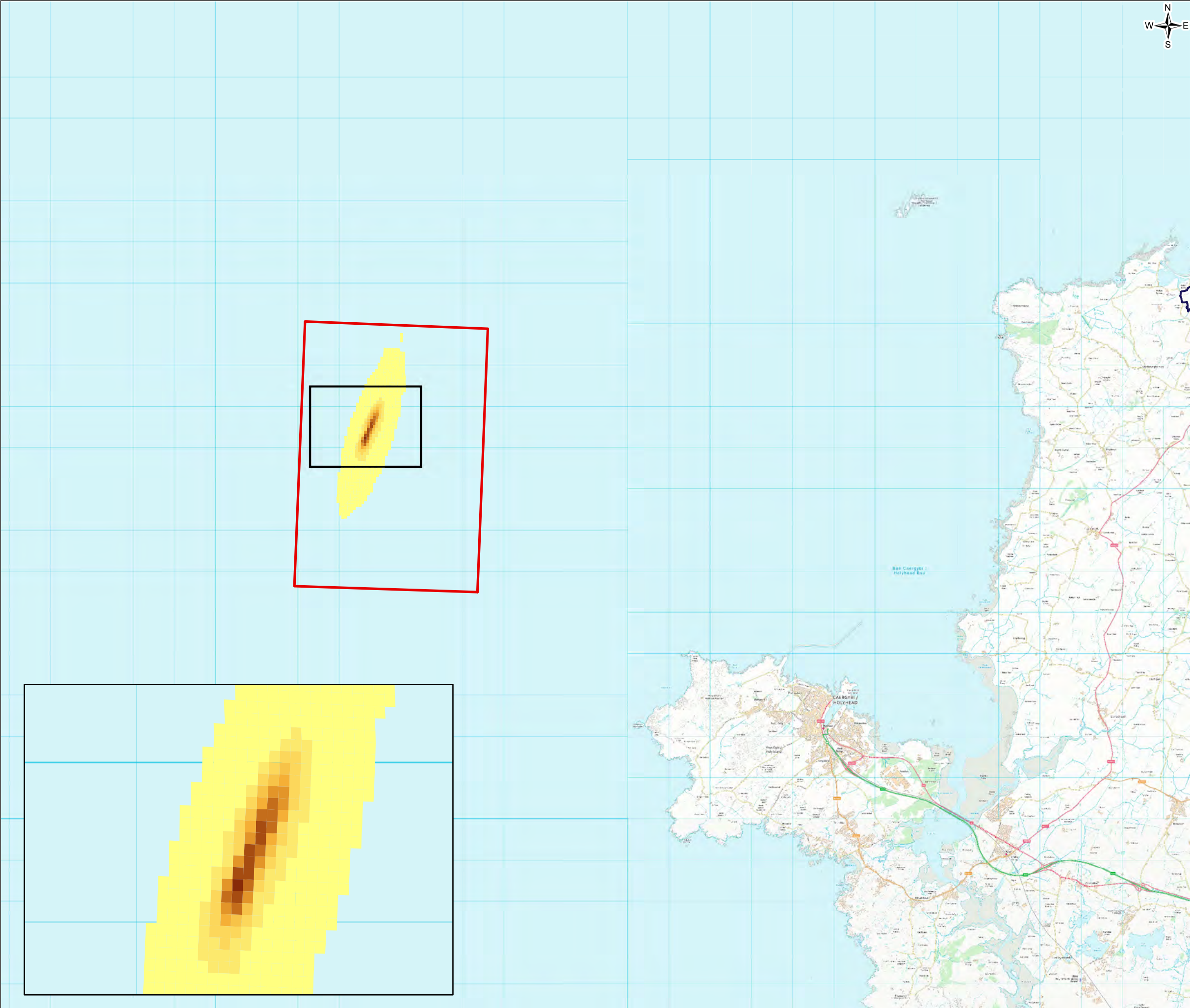


FIGURE D12-17

Legend


Wylfa Newydd Development Area

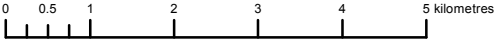
Disposal Site

Sediment deposition (thickness) at seabed

- >0.0025m - 0.05m
- >0.05m - 0.10m
- >0.10m - 0.15m
- >0.15m - 0.20m
- >0.20m - 0.25m
- >0.25m - 0.30m
- >0.30m - 0.35m
- >0.35m - 0.40m
- >0.40m - 0.45m



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
SEDIMENT DEPOSITION (THICKNESS) FOLLOWING COMPLETION OF FULL 35 DAY DISPOSAL PROGRAMME AT THE DISPOSAL SITE						
Scale @ A3			1:90,000		DO NOT SCALE	
Jacobs No.			60PO8077			
Client No.						
Drawing No.						
60PO8077_DCO_D_12_17						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



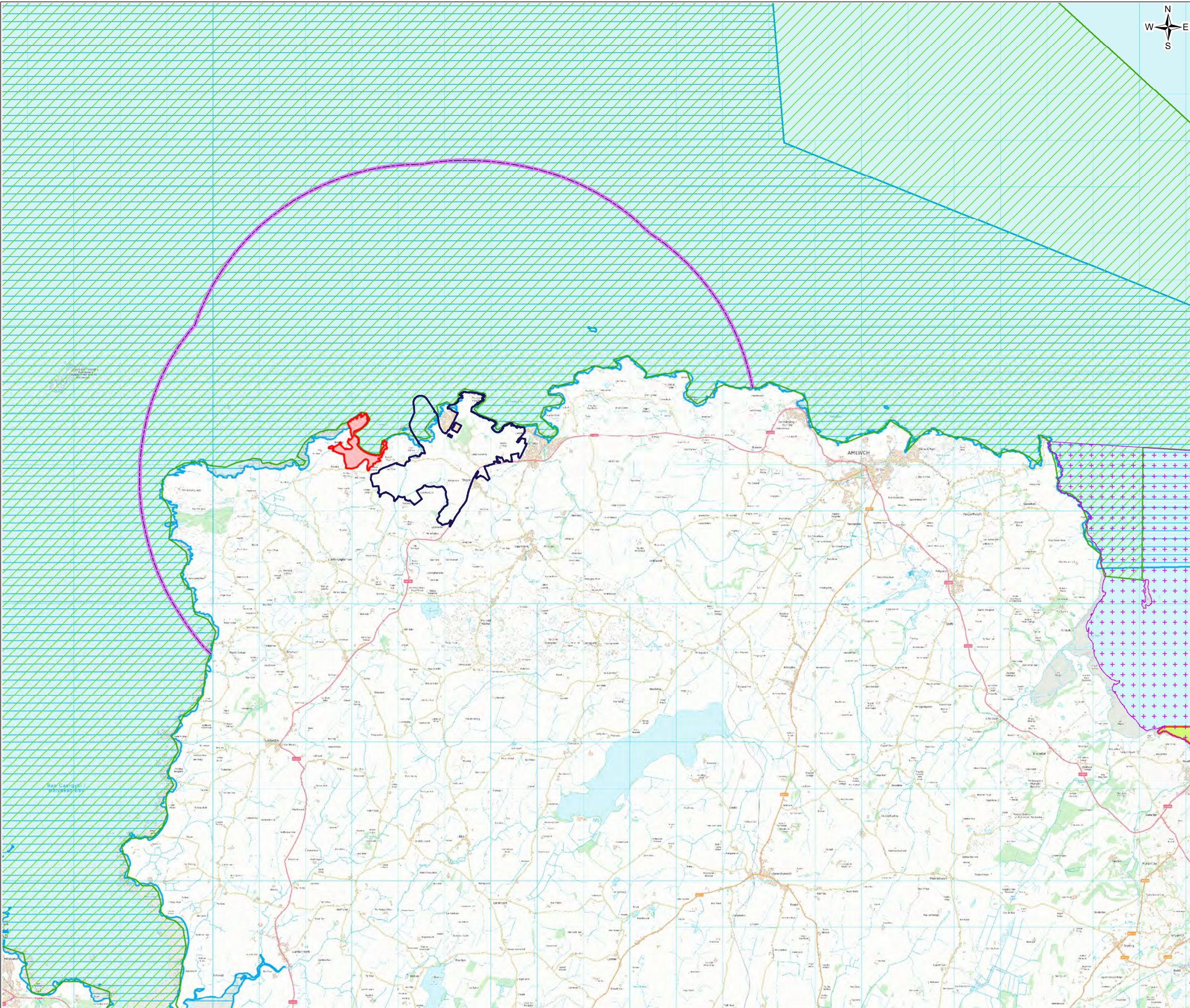


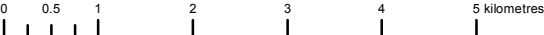
FIGURE D13-1

- Legend
- Wylfa Newydd Development Area
 - Central study area for the Wylfa Newydd Development Area (5km)
 - Special Areas of Conservation (SAC) and Sites of Special Scientific Interest (SSSI)
 - Bae Cemlyn/Cemlyn Bay SAC and SSSI
 - Y Fenai a Bae Conwy/Menai Strait and Conwy Bay SAC
 - Candidate Special Areas of Conservation (cSAC)
 - The North Anglesey Marine/Gogledd Môn Forol cSAC
 - Special Protection Areas (SPAs)
 - Morwenoliad Ynys Môn/Anglesey Terns SPA
 - Liverpool Bay/Bae Lerpwl SPA

Note: The boundary of the North Anglesey Marine/Gogledd Môn Forol cSAC is indicativeand may be subject to change.



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DESIGNATED SITES OF NATIONAL/INTERNATIONAL IMPORTANCE FOR NATURE CONSERVATION IN RELATION TO THE WYLFA NEWYDD DEVELOPMENT AREA			
Scale @ A3		1:80,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_D_13_01				



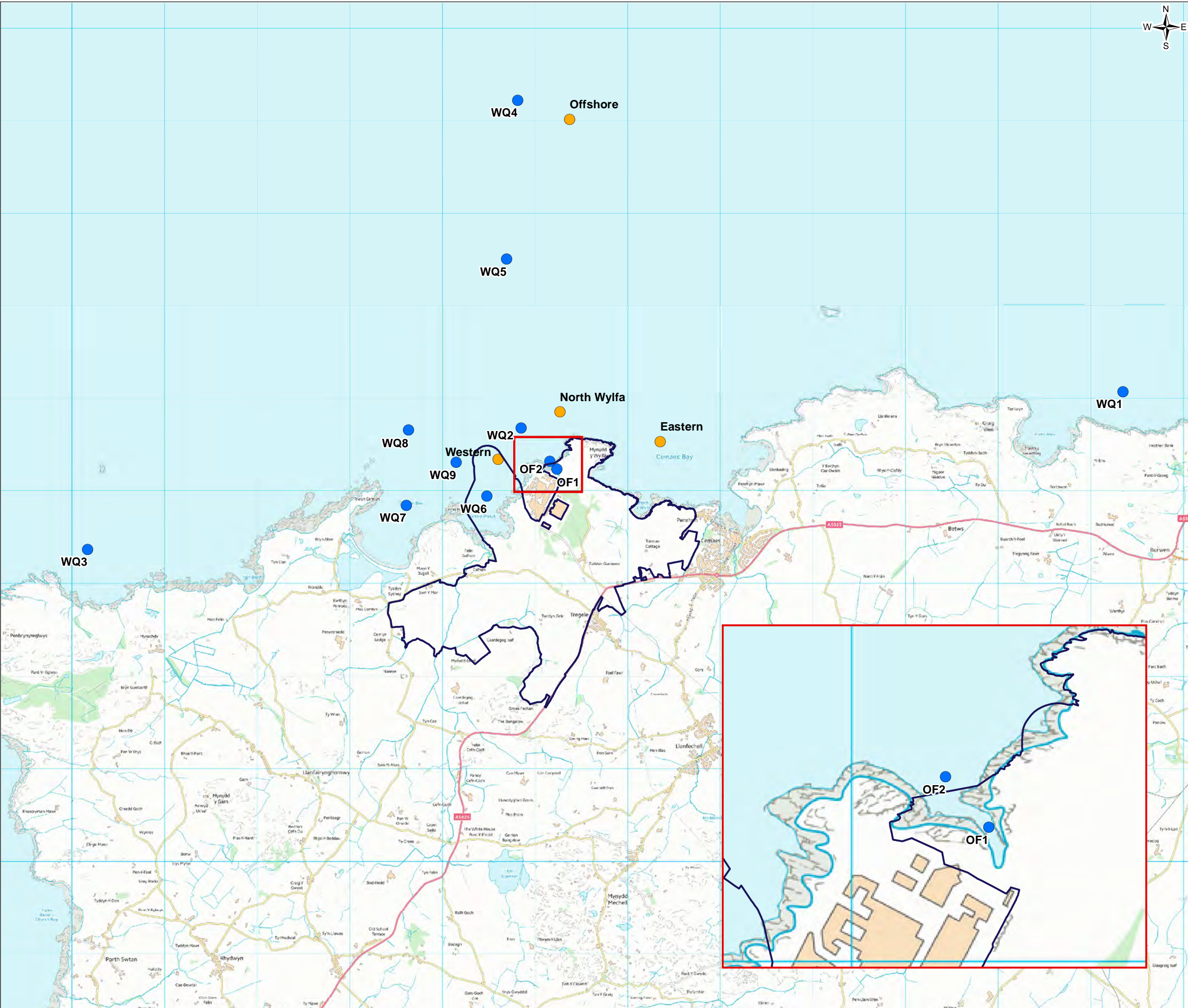
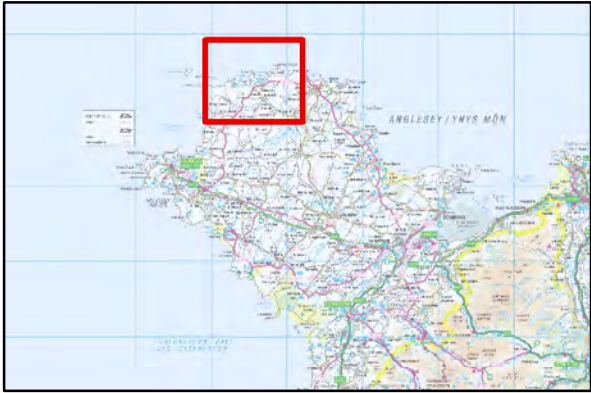


FIGURE D13-2

- Legend
- Wylfa Newydd Development Area
 - Water quality, phytoplankton and zooplankton sampling sites
 - Fixed moorings



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			WATER QUALITY, PHYTOPLANKTON AND ZOOPLANKTON SAMPLING SITES			
Scale @ A3	1:40,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_02					
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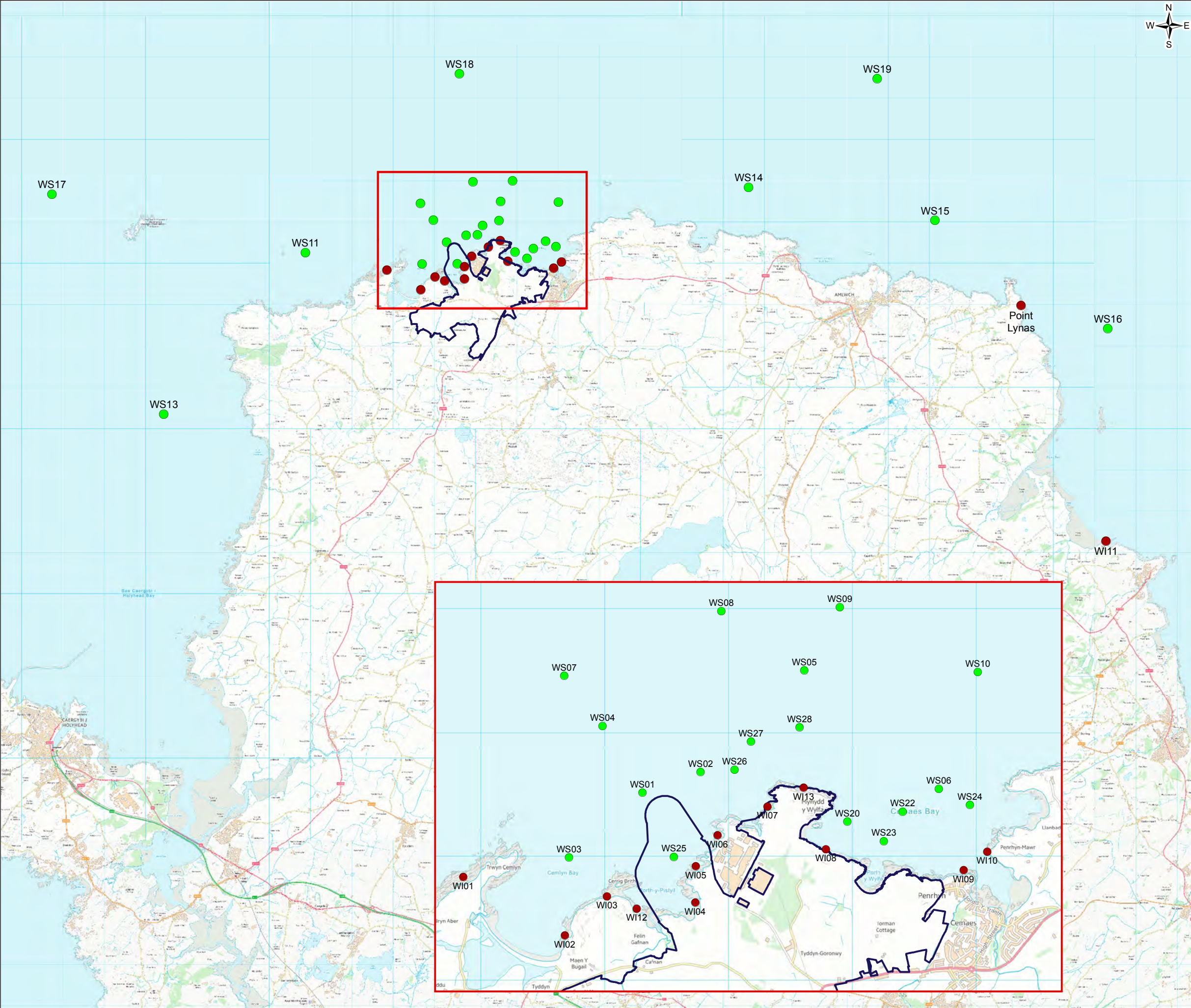
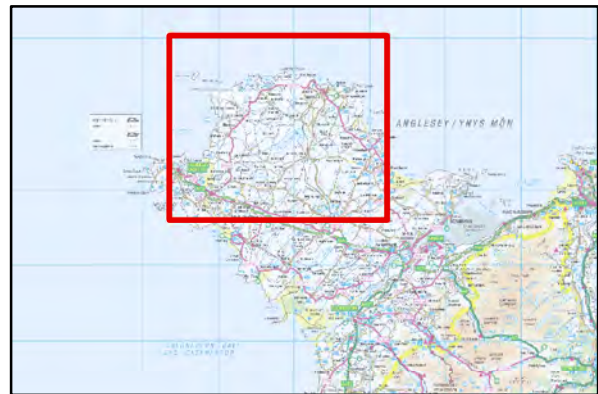

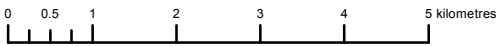


FIGURE D13-4

- Legend
- Wylfa Newydd Development Area
 - Intertidal benthic sites
 - Subtidal benthic sites



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			SEDIMENT QUALITY AND BENTHIC ECOLOGY SAMPLING SITES			
Scale @ A3	1:90,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_13_04			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



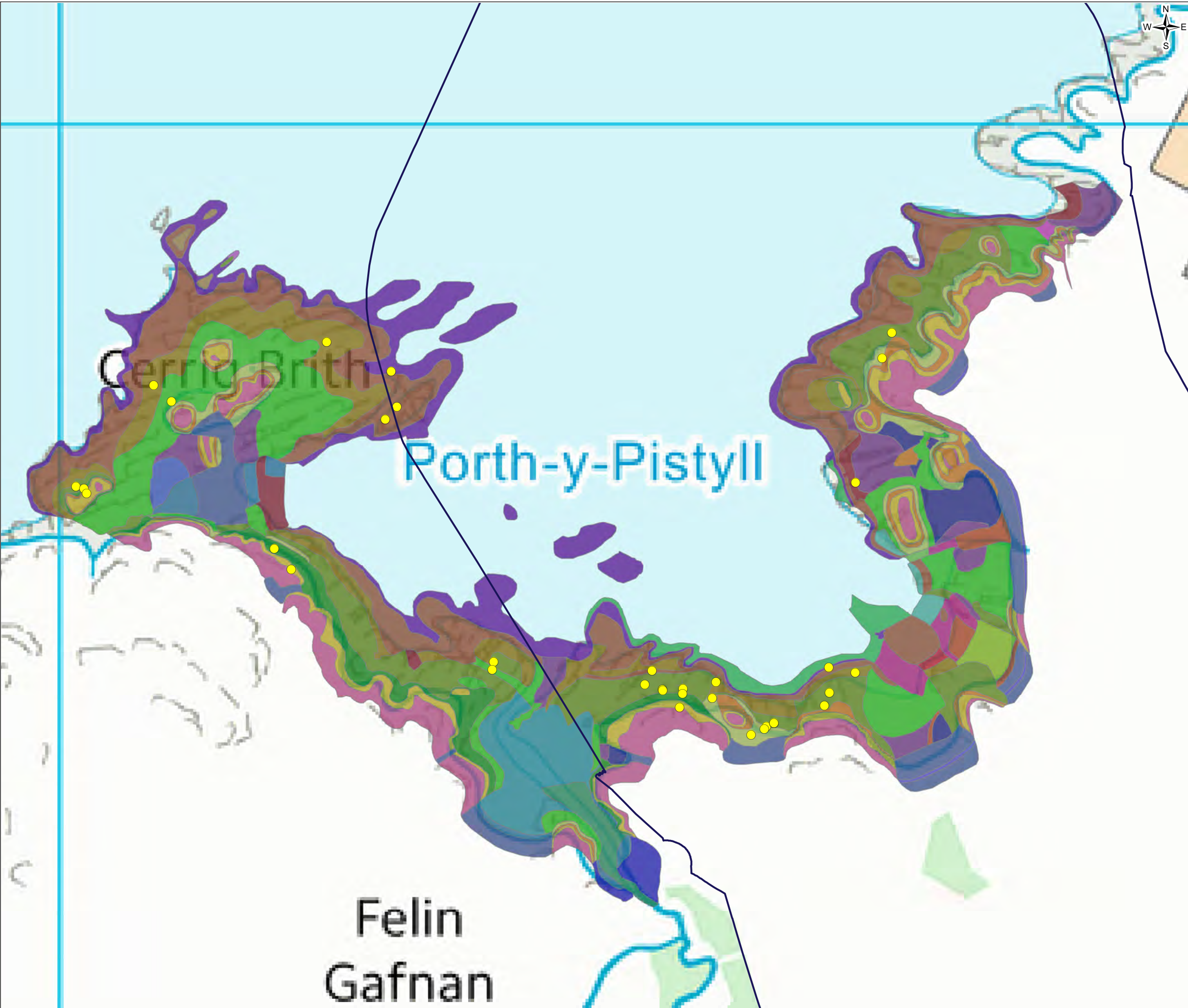


FIGURE D13-5

Legend

Wylfa Newydd Development Area

Rockpools

Intertidal biotopes

IR.MIR.KR.Ldig.Ldig

IR.MIR.KR.Lhyp

LR.FLR.Eph.EntPor

LR.FLR.Eph.EphX

LR.FLR.Lic.Ver.Ver

LR.FLR.Lic.YG

LR.FLR.Rkp.SwSed

LR.HLR.FR.Mas

LR.HLR.MusB.Sem.FvesR

LR.HLR.MusB.Sem.Sem

LR.LLR.F.Asc.FS

LR.LLR.F.Asc.X

LR.LLR.F.Fserr.FS

LR.LLR.F.Fserr.X

LR.LLR.F.Fves.X

LR.LLR.F.Pel

LR.LLR.FVS.Fcer

LR.MLR.BF.Fser

LR.MLR.BF.Fser.R

LR.MLR.BF.FspiB

LR.MLR.BF.FvesB

LR.MLR.BF.PelB

LS.LBR.LMus.Myt.Mx

LS.LCS.Sh.BarSh

LS.LMp.Sm

LS.LSa.FiSa.Po

LS.LSa.MoSa

LS.LSa.MuSa.Lan

LS.LSa.St.Tal

Unconfirmed Alaria

Note: Full descriptions of the biotopes are available from JNCC (2015). The Marine Habitat Classification for Britain and Ireland Version 15.03 [Online]. Available from: jncc.defra.gov.uk/MarineHabitatClassification

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL		
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd		
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>					
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT					
Drawing Title			INTERTIDAL BIOTOPE MAP OF PORTH-Y-PISTYLL AND ADJACENT AREAS					
Scale @ A3	1:3,000				DO NOT SCALE			
Jacobs No.	60PO8077							
Client No.								
Drawing No.	60PO8077_DCO_D_13_05							
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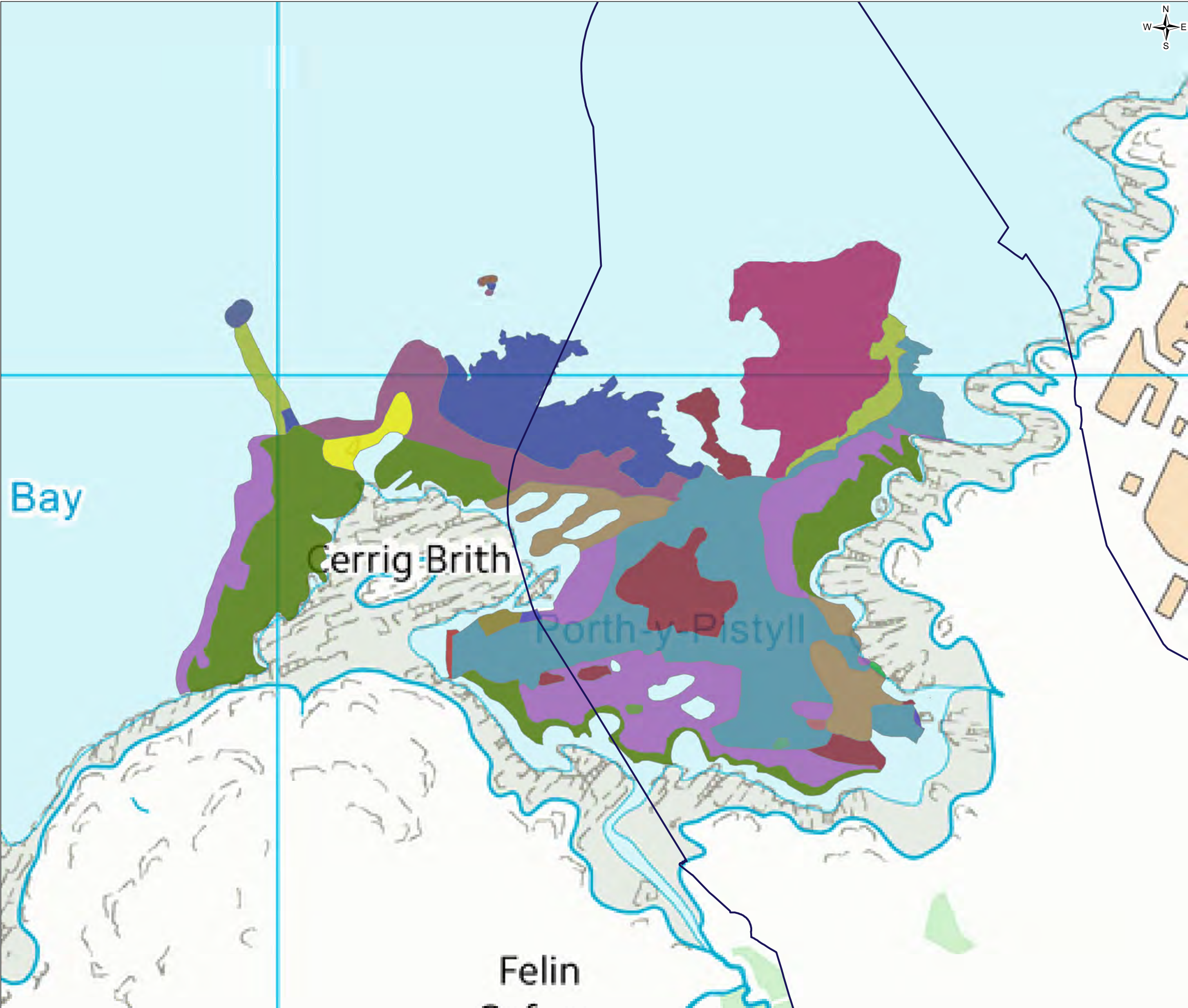
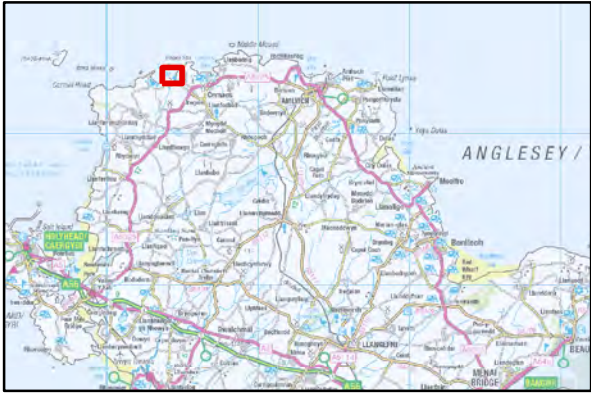


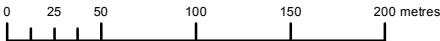
FIGURE D13-6

- Legend
- Wylfa Newydd Development Area
- Subtidal biotopes
- CR.HCR.XFa
 - CR.HCR.XFa.ByErSp
 - IR.HIR.KFar.FoR
 - IR.HIR.KSed
 - IR.LIR.K.LSac
 - IR.LIR.K.Lhyp.Lsac
 - IR.LIR.K.Lsac.Ldig
 - IR.MIR.KR
 - IR.MIR.KR.Lhyp.Ft
 - IR.MIR.KR.Lhyp.Pk
 - IR.MIR.KR.LhypT.Ft
 - IR.MIR.KR.LhypT.Pk
 - IR.MIR.KR.XFoR
 - SS.SCS.ICS
 - SS.SMu.ISaMu
 - SS.SSa.CMuSa
 - SS.SSa.CMuSa.AalbNUC
 - SS.SSa.IMuSa
 - SS.SSa.IMuSa.ArelSa

Note: Full descriptions of the biotopes are available from JNCC (2015). The Marine Habitat Classification for Britain and Ireland Version 15.03 [Online]. Available from: jncc.defra.gov.uk/MarineHabitatClassification



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL	
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd	
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>				
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT				
Drawing Title			SUBTIDAL BIOTOPE MAP OF PORTH-Y-PISTYLL AND ADJACENT AREA				
Scale @ A3	1:4,000				DO NOT SCALE		
Jacobs No.	60PO8077						
Client No.							
Drawing No.	60PO8077_DCO_D_13_06						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.							



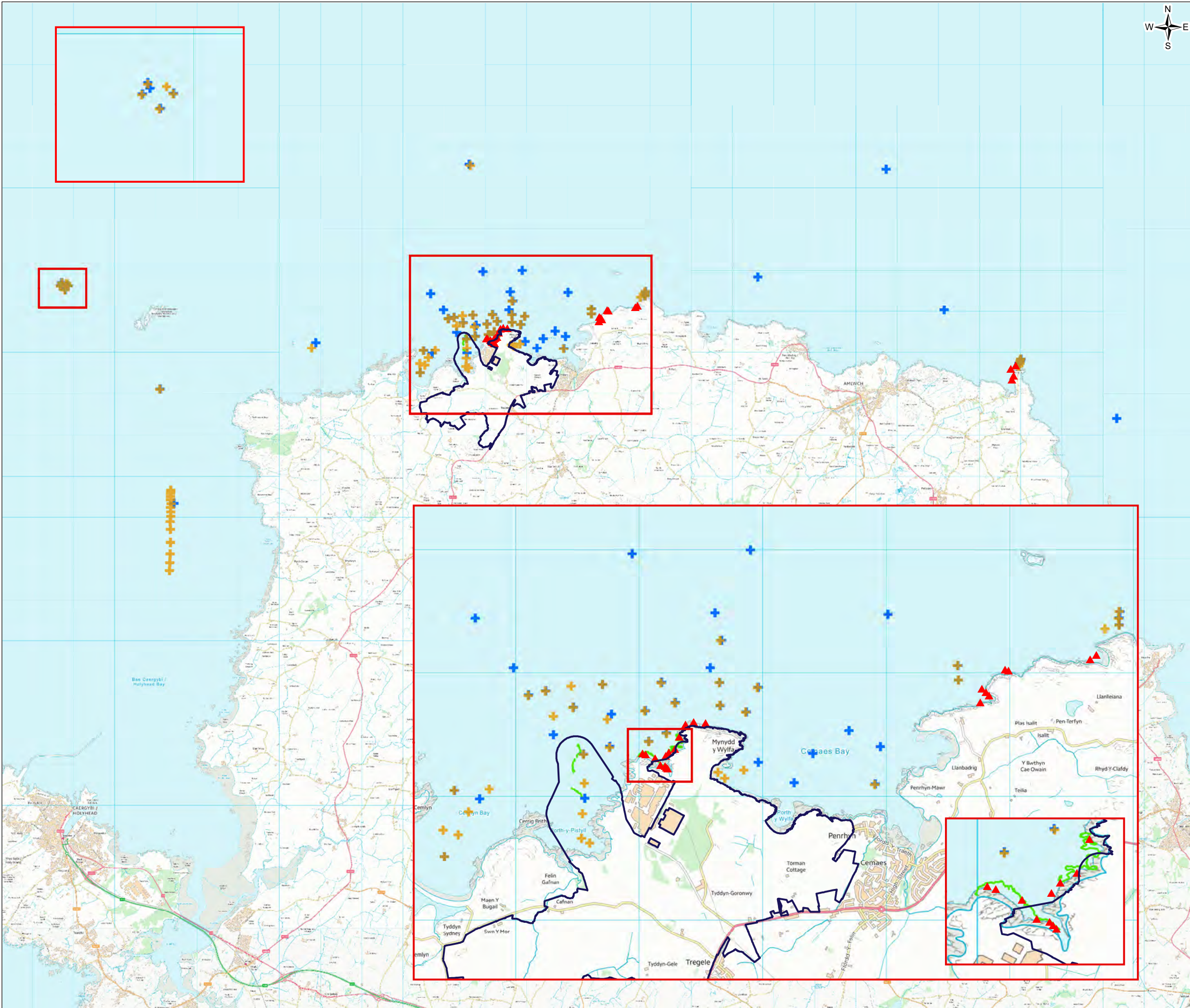
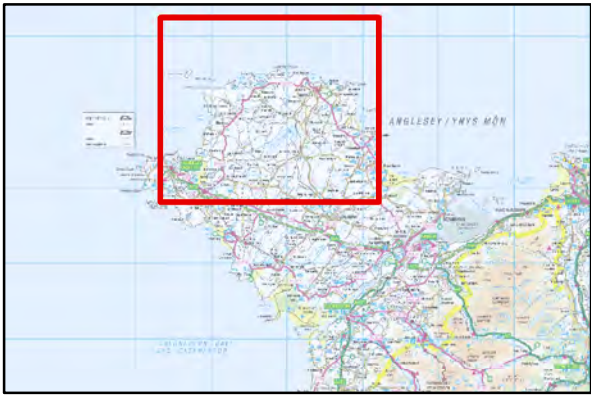


FIGURE D13-7

- Legend
- Wylfa Newydd Development Area
 - Rapid assessment diver transects
 - Diving survey sites
 - Drop down camera sites 2010
 - Drop down camera sites 2011



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DROP DOWN CAMERA AND DIVING SURVEY SITES			
Scale @ A3	1:90,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_07					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



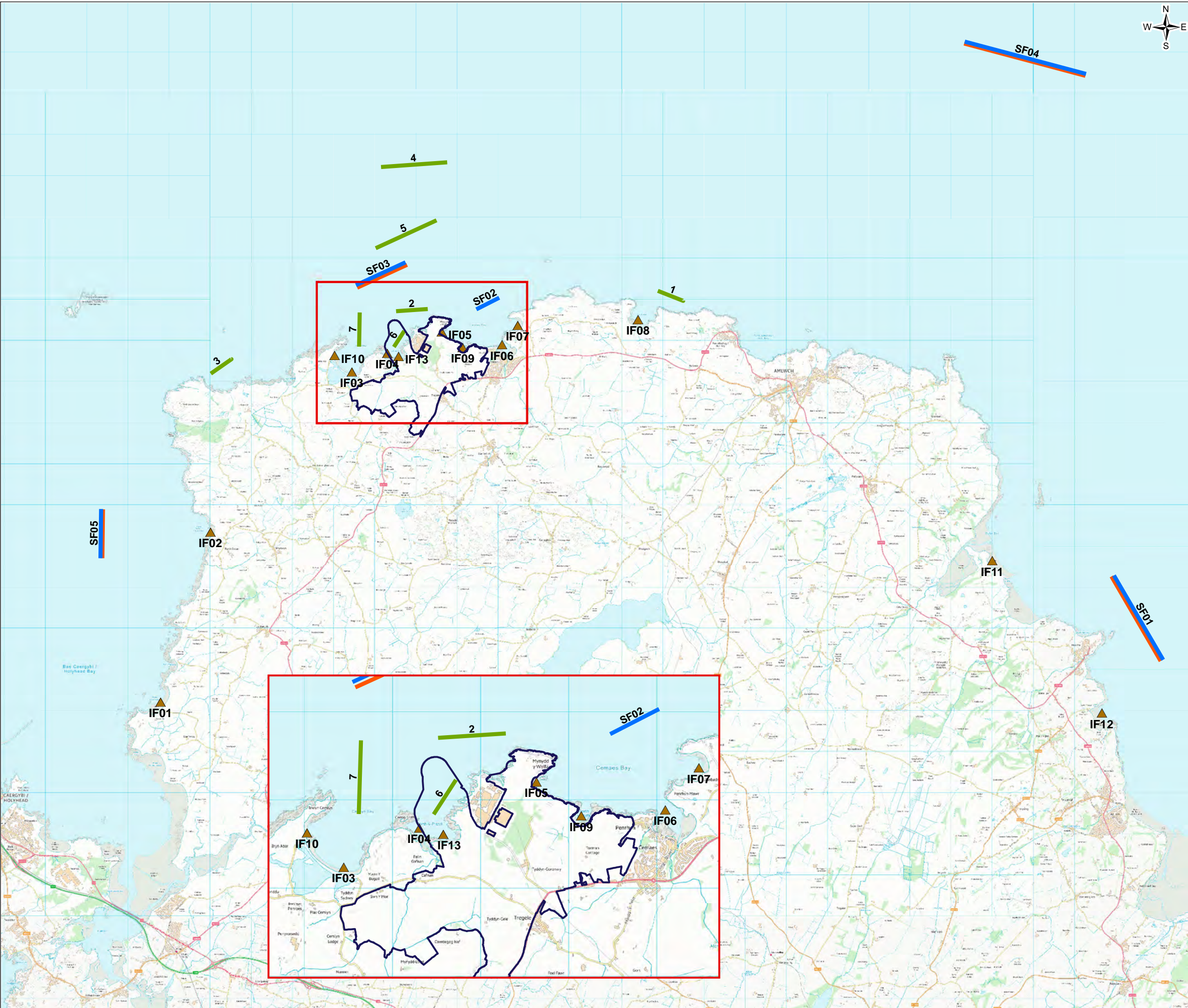
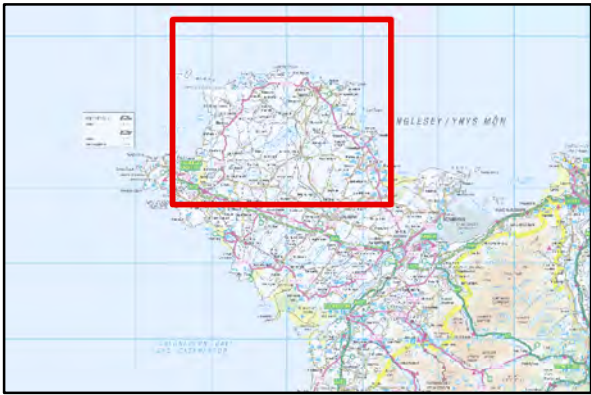


FIGURE D13-9

- Legend
- Wylfa Newydd Development Area
 - Intertidal fish sites
 - Ichthyoplankton tows
 - Beam trawls
 - Otter trawls



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			INTERTIDAL AND SUBTIDAL FISH AND ICHTHYOPLANKTON SAMPLING SITES			
Scale @ A3	1:90,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_13_09			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

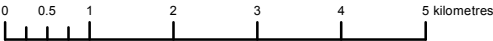
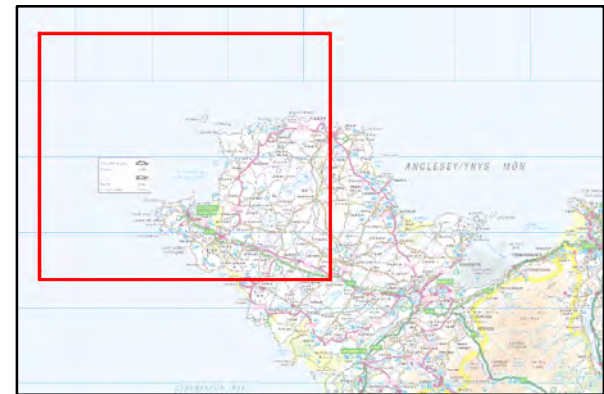
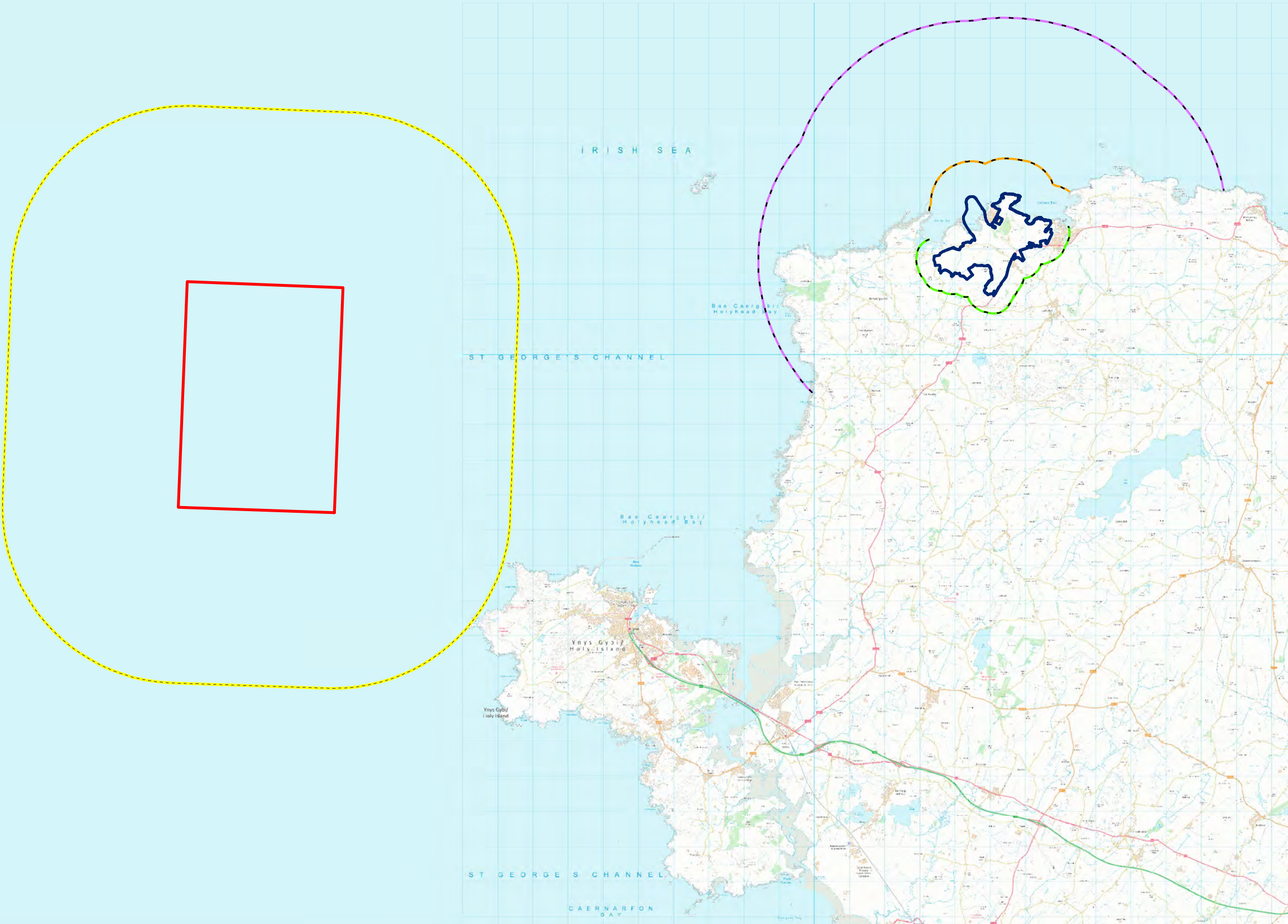




FIGURE D13-16

- Legend
- Wylfa Newydd Development Area
 - Disposal Site
 - Potential for worst case combined water quality effects (Disposal Site) (5km)
 - Marine Zone of Influence for changes in visual disturbance (1000m)
 - Potential for worst case combined water quality effects (Wylfa Newydd Development Area) (5km)
 - Terrestrial Zone of Influence for changes in visual disturbance (500m)



0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			RELEVANT ZONES OF INFLUENCE FOR SEABIRDS AROUND THE WYLFA NEWYDD DEVELOPMENT AREA AND THE DISPOSAL SITE			
Scale @ A3	1:120,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_13_16			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

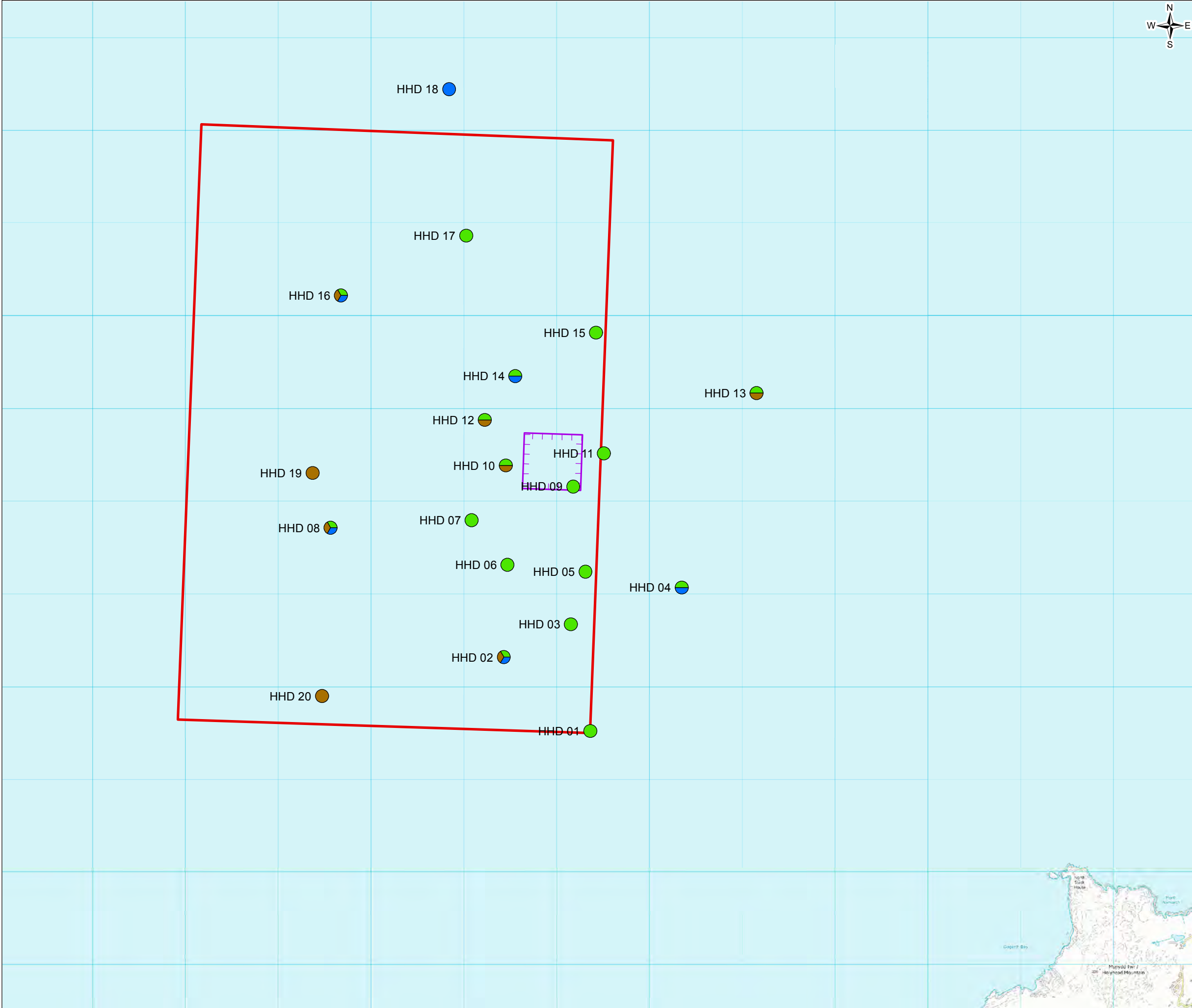
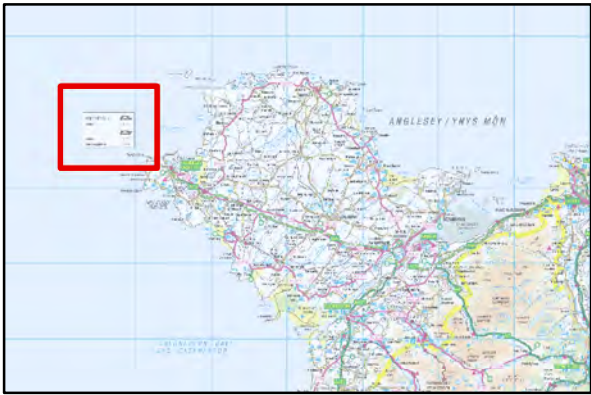


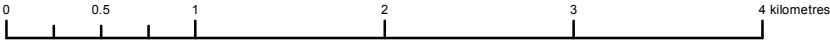
FIGURE D13-20

Legend

- Disposal Site
- Rock disposal area
- Baseline survey sites
 - Drop down camera
 - Grab sampling
 - Water quality



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div><div><div>HORIZON</div><div>NUCLEAR POWER</div></div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
ROCK DISPOSAL AREA AND BASELINE SURVEY SITES IN THE VICINITY OF THE DISPOSAL SITE						
Scale @ A3		1:40,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.						
60PO8077_DCO_D_13_20						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



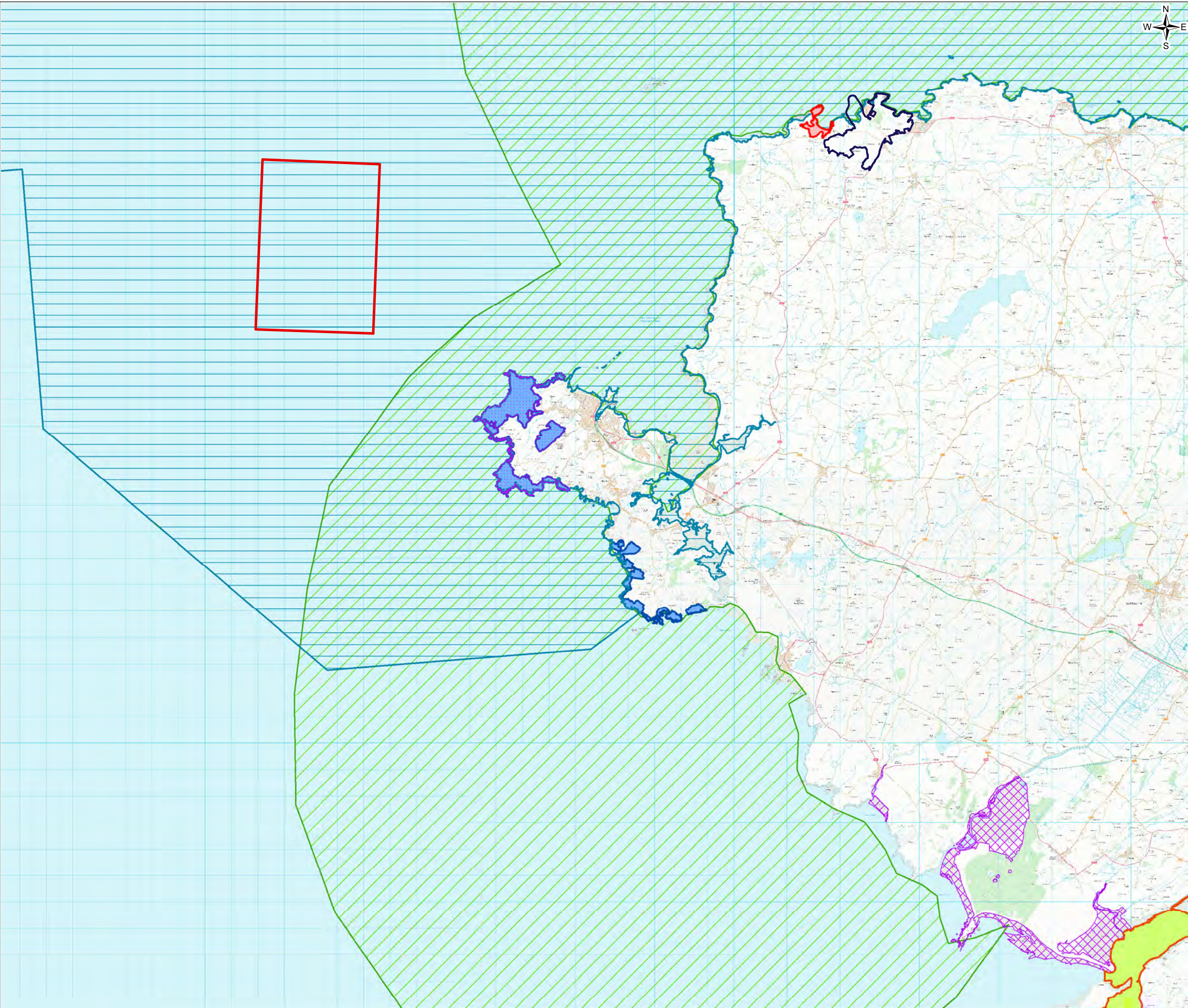
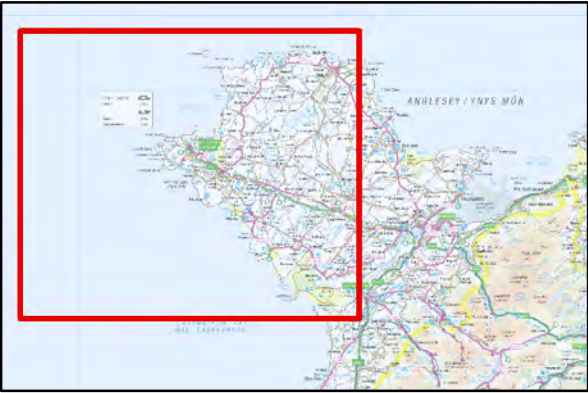


FIGURE D13-21

- Legend
- Wylfa Newydd Development Area
 - Disposal Site
 - Special Areas of Conservation (SAC) and Sites of Special Scientific Interest (SSSI)
 - Bae Cemlyn/Cemlyn Bay SAC and SSSI
 - Glannau Ynys Gybi/Holy Island Coast SAC
 - Y Fenai a Bae Conwy/Menai Strait and Conwy Bay SAC
 - Glannau Mon: Cors heli/Anglesey Coast: Saltmarsh SAC
 - Candidate Special Areas of Conservation (cSAC)
 - The North Anglesey Marine/Gogledd Môn Forol cSAC
 - Special Protection Areas (SPAs)
 - Glannau Ynys Gybi/Holy Island Coast SPA
 - Morwenoliad Ynys Mon/Anglesey Terns SPA

Note: The boundary of the North Anglesey Marine/Gogledd Môn Forol cSAC is indicative and may be subject to change.



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DESIGNATED SITES OF NATIONAL/INTERNATIONAL IMPORTANCE FOR NATURE CONSERVATION IN RELATION TO THE DISPOSAL SITE			
Scale @ A3	1:140,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_21					

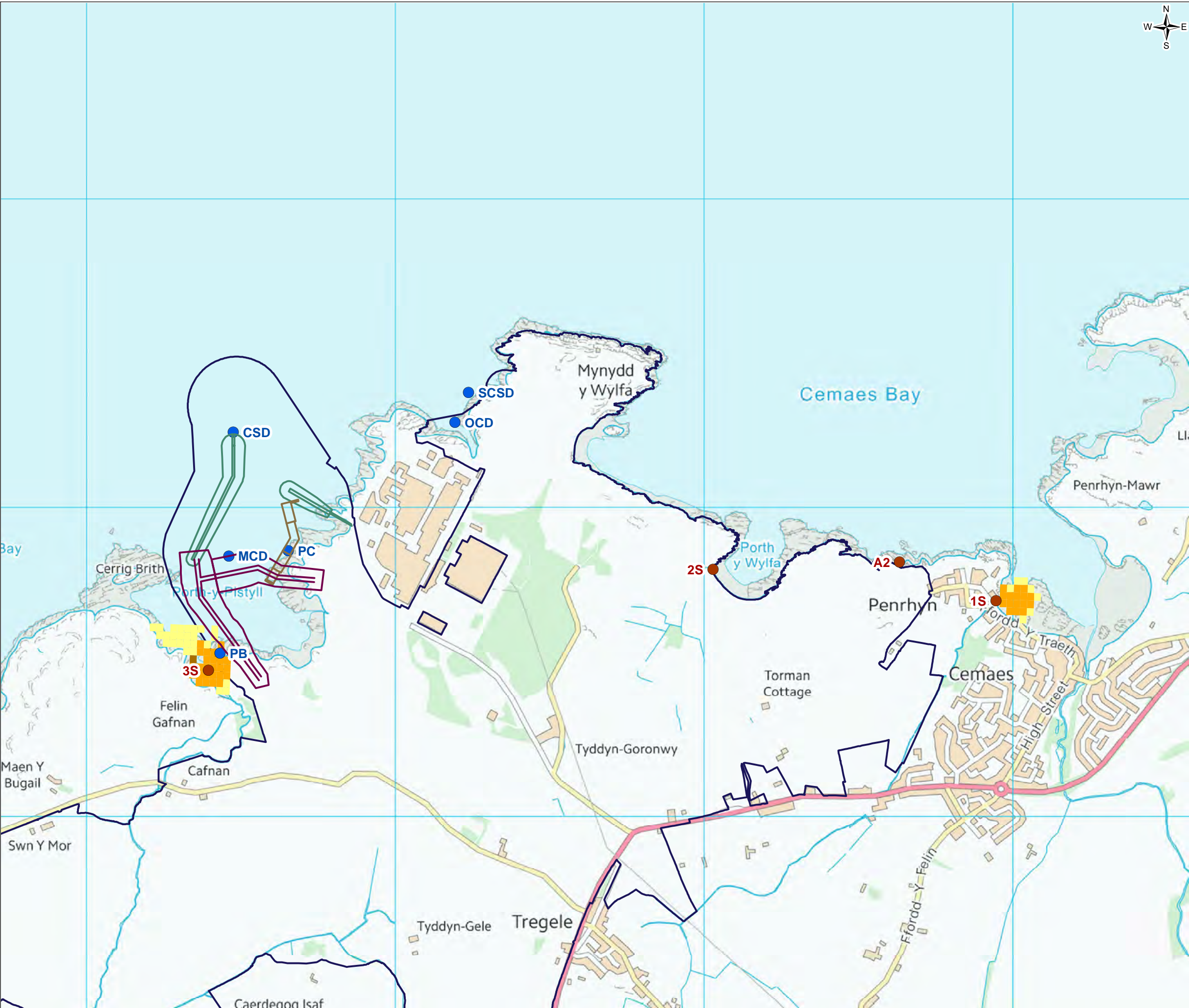
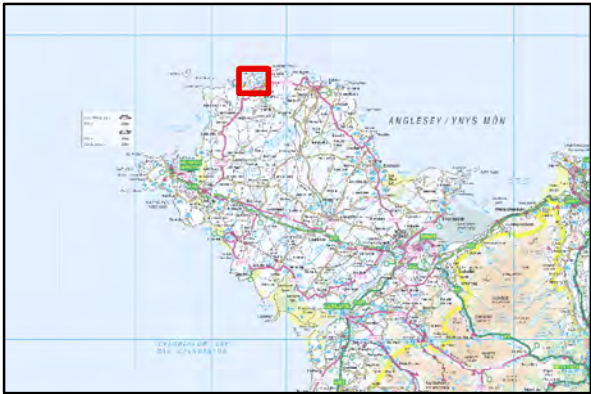



FIGURE D13-23

- Legend
- Wylfa Newydd Development Area
 - Breakwaters
 - Marine off-loading facility
 - Temporary cofferdam and causeway
 - Marine outfall point
 - Marine discharge point (via surface water discharges)
- Absolute suspended solids concentration
- >6.0mg/L - 10.0mg/L
 - >10mg/L - 100mg/L
 - >100mg/L - 106mg/L

Notes:

- CSD: Construction sewage discharge
- MCD: Main cofferdam dewatering
- OCD: Outfall cofferdam dewatering
- SCSD: Site campus sewage discharge (Dŵr Cymru Welsh Water)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			SUSPENDED SOLIDS CONCENTRATION RESULTING FROM LAND DRAINAGE			
Scale @ A3	1:12,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_13_23			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



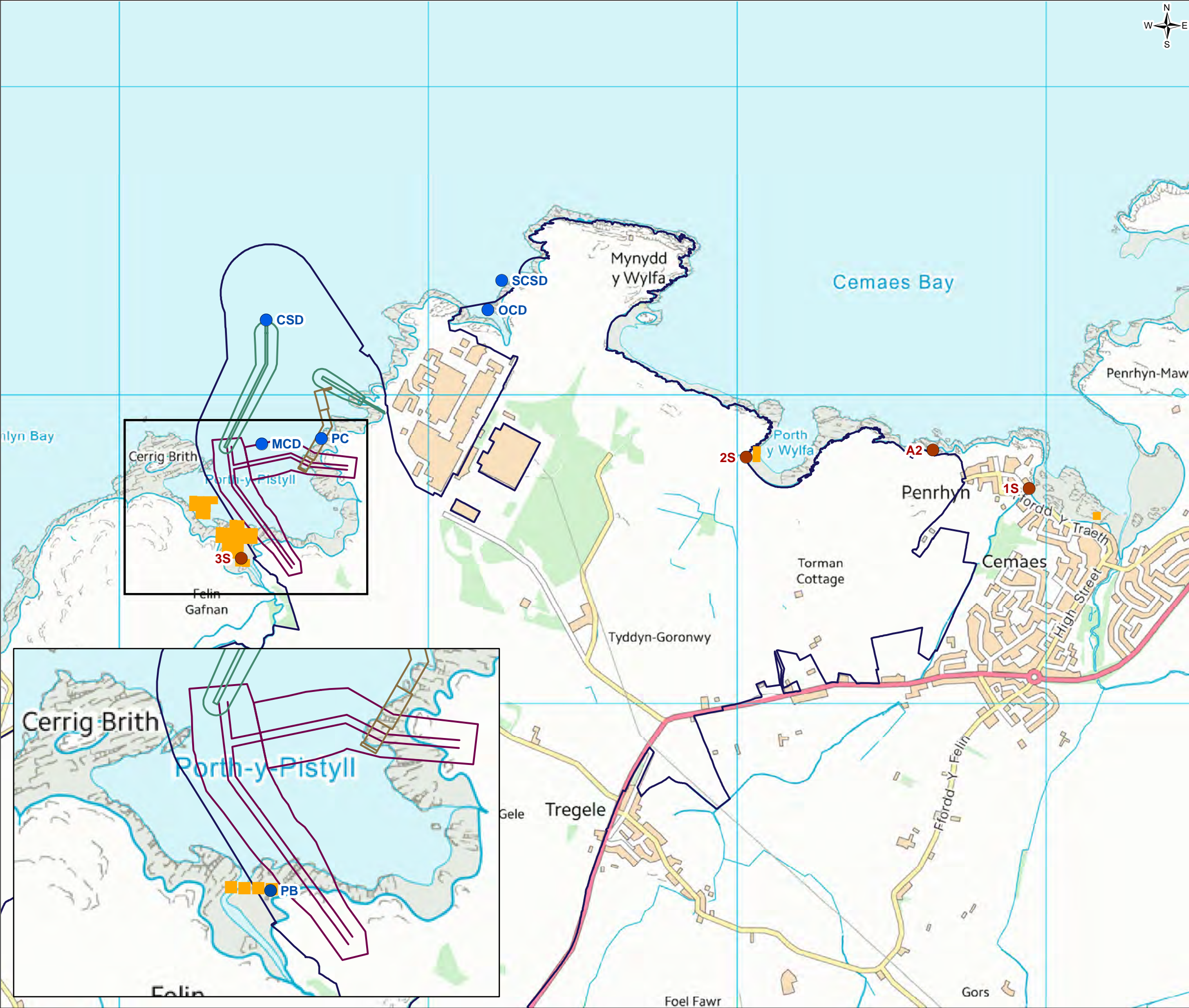
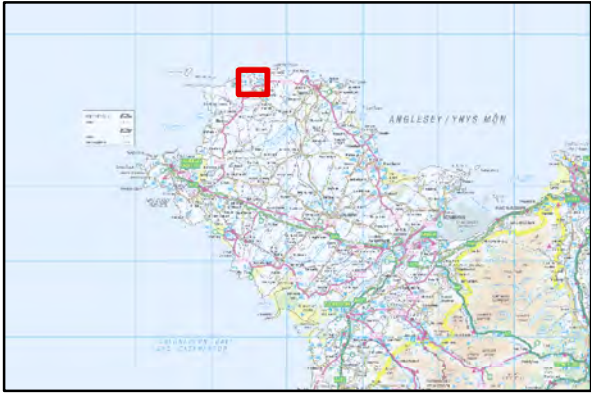


FIGURE D13-24

- Legend
- Wylfa Newydd Development Area
 - Breakwaters
 - Marine off-loading facility
 - Temporary cofferdam and causeway
 - Marine outfall point
 - Marine discharge point (via surface water discharges)
 - Predicted maximum zinc concentration above EQS

Current EQS for zinc is 7.9µg/l (6.8µg/l + 1.1µg/l background concentration)

Notes:
CSD: Construction sewage discharge
MCD: Main cofferdam dewatering
OCD: Outfall cofferdam dewatering
SCSD: Site campus sewage discharge (Dŵr Cymru Welsh Water)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PREDICTED DILUTION OF DISSOLVED ZINC IN THE MARINE ENVIRONMENT AT THE SURFACE			
Scale @ A3	1:12,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_24					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

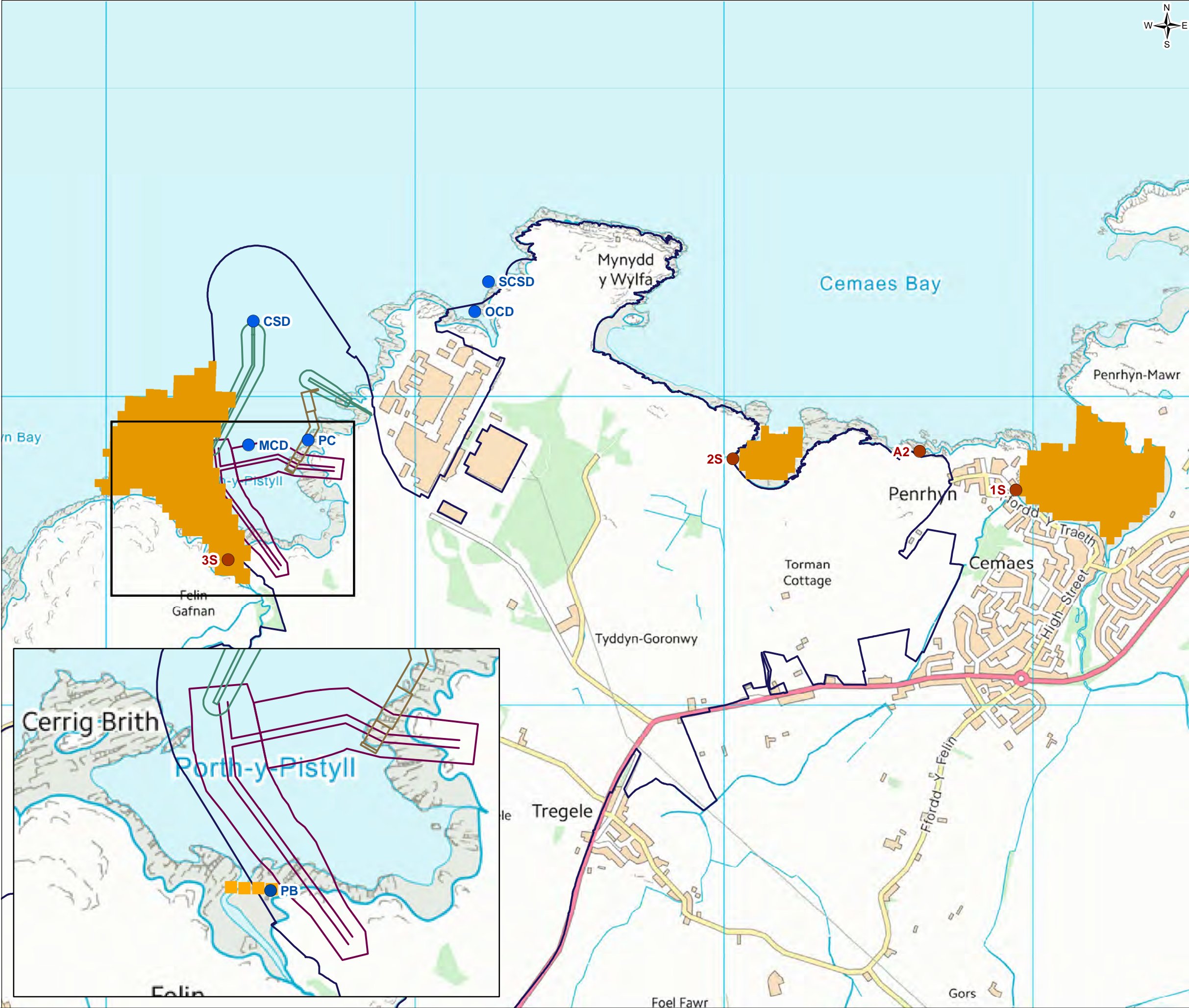
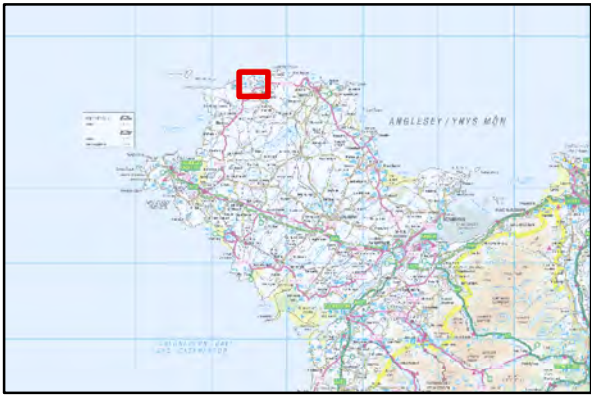


FIGURE D13-25

- Legend
- Wylfa Newydd Development Area
 - Breakwaters
 - Marine off-loading facility
 - Temporary cofferdam and causeway
 - Marine outfall point
 - Marine discharge point (via surface water discharges)
 - Predicted maximum lead concentration above EQS

Current EQS for lead is 1.3µg/l as annual average and 14µg/l as a maximum allowable concentration

Notes:
CSD: Construction sewage discharge
MCD: Main cofferdam dewatering
OCD: Outfall cofferdam dewatering
SCSD: Site campus sewage discharge (Dŵr Cymru Welsh Water)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PREDICTED DILUTION OF DISSOLVED LEAD IN THE MARINE ENVIRONMENT AT THE SURFACE			
Scale @ A3	1:12,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_25					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

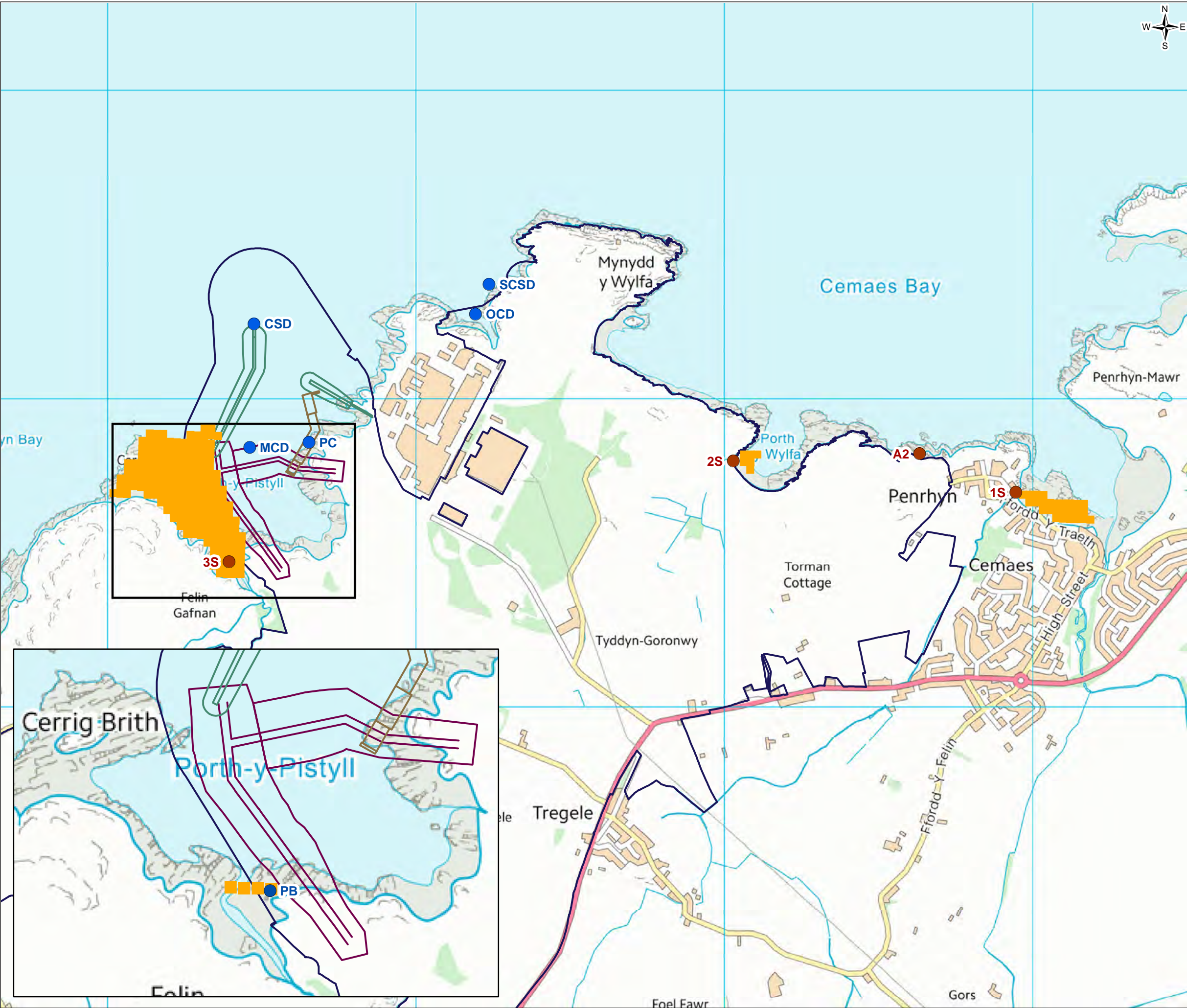
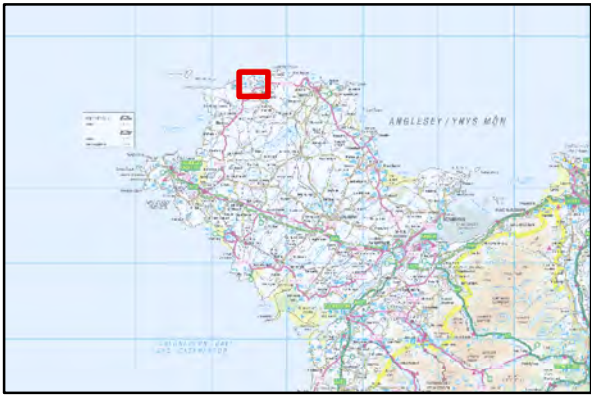



FIGURE D13-26

- Legend
- Wylfa Newydd Development
 - Breakwaters
 - Marine off-loading facility
 - Temporary cofferdam and causeway
 - Marine outfall point
 - Marine discharge point (via surface water discharges)
 - Predicted maximum copper concentration above EQS

Current EQS for copper is 3.76µg/l when the dissolved organic carbon concentration is ≤1.0mg/l

Notes:
CSD: Construction sewage discharge
MCD: Main cofferdam dewatering
OCD: Outfall cofferdam dewatering
SCSD: Site campus sewage discharge (Dŵr Cymru Welsh Water)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PREDICTED DILUTION OF DISSOLVED COPPER IN THE MARINE ENVIRONMENT			
Scale @ A3	1:12,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_13_26			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

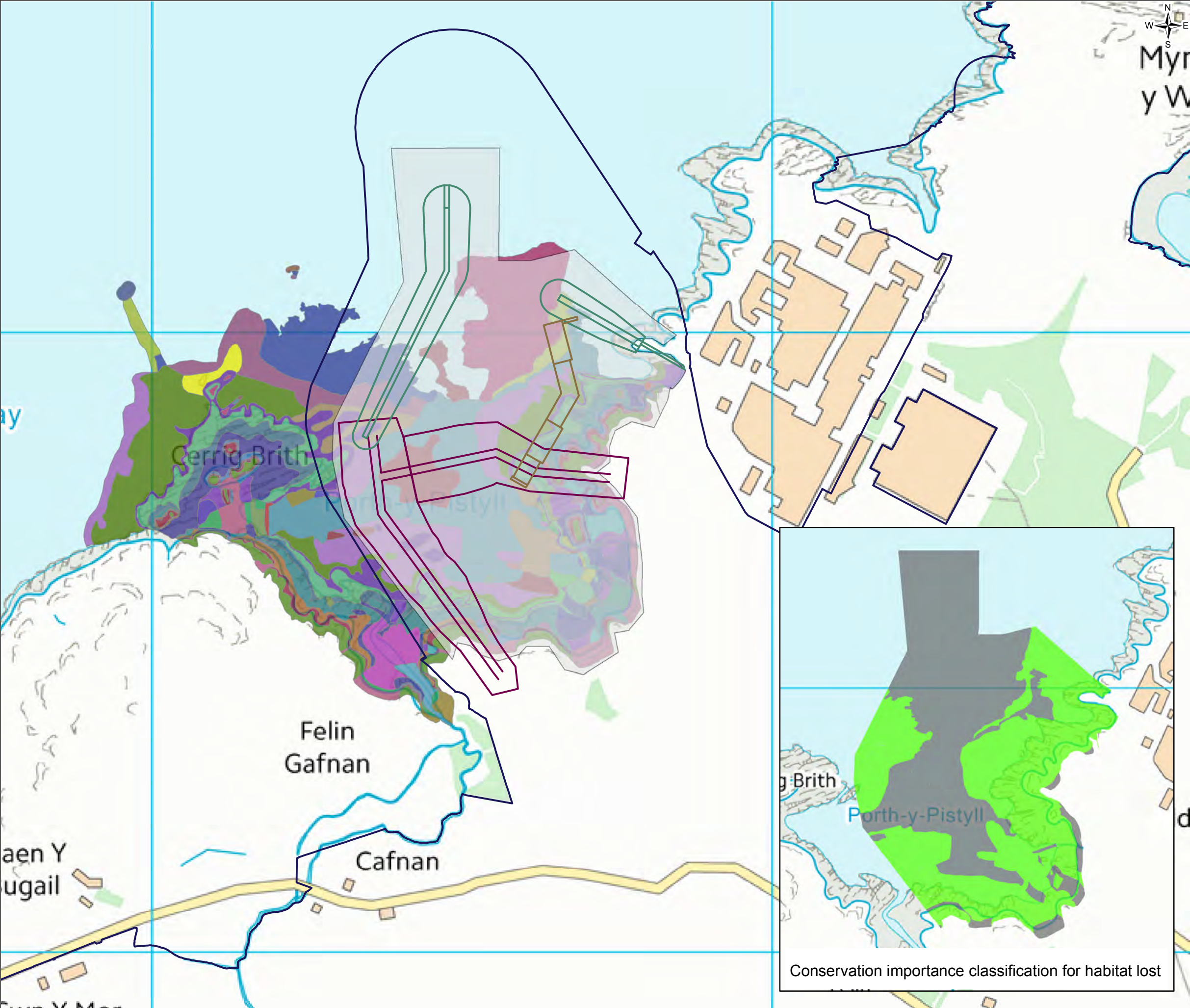


FIGURE D13-27

Legend

Wylfa Newydd Development Area

Breakwaters

Marine off-loading facility

Temporary cofferdam and causeway

Permanent lost area

Conservation importance

Not of conservation importance

Conservation importance

Subtidal biotopes

CR.HCR.XFa

CR.HCR.XFa.ByErSp

IR.HIR.KFa.FoR

IR.HIR.KSed

IR.LIR.K.LSac

IR.LIR.K.Lhyp.Lsac

IR.LIR.K.Lsac.Ldig

IR.MIR.KR

IR.MIR.KR.Lhyp.Ft

IR.MIR.KR.Lhyp.Pk

IR.MIR.KR.LhypT.Ft

IR.MIR.KR.LhypT.Pk

IR.MIR.KR.XFoR

SS.SCS.ICS

SS.SMu.ISaMu

SS.SSa.CMuSa

SS.SSa.CMuSa.AalbNUC

SS.SSa.IMuSa

SS.SSa.IMuSa.ArelSa

Intertidal biotopes

IR.MIR.KR.Ldig.Ldig

IR.MIR.KR.Lhyp

LR.FLR.Eph.EntPor

LR.FLR.Eph.EphX

LR.FLR.Lic.Ver.Ver

LR.FLR.Lic.YG

LR.FLR.Rkp.SwSed

LR.HLR.FR.Mas

LR.HLR.MusB.Sem...

LR.HLR.MusB.Sem...

LR.LLR.F.Asc.FS

LR.LLR.F.Asc.X

LR.LLR.F.Fserr.FS

LR.LLR.F.Fserr.X

LR.LLR.F.Fves.X

LR.LLR.F.Pel

LR.LLR.FVS.Fcer

LR.MLR.BF.Fser

LR.MLR.BF.Fser.R

LR.MLR.BF.FspiB

LR.MLR.BF.FvesB

LR.MLR.BF.PelB

LS.LBR.LMus.Myt.Mx

LS.LCS.Sh.BarSh

LS.LMp.Sm

LS.LSa.FiSa.Po

LS.LSa.MoSa

LS.LSa.MuSa.Lan

LS.LSa.St.Tal

Unconfirmed

Note: Full descriptions of the biotopes are available from JNCC (2015). The Marine Habitat Classification for Britain and Ireland Version 15.03 [Online]. Available from: jncc.defra.gov.uk/MarineHabitatClassification

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			INTERTIDAL AND SUBTIDAL HABITAT LOSS UNDER THE FOOTPRINT OF THE MARINE WORKS			
Scale @ A3	1:6,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_27					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



FIGURE D13-28

Legend

- Wylfa Newydd Development Area
- Temporary cofferdam and causeway

Total deposition (i.e. increase in thickness) assuming a continuous dredging programme (35 days)

Marine Life Information Network smothering criteria

- Up to 5cm (light smothering)
- Up to 30cm (heavy smothering)
- >30cm (continual reworking)

Note: all values up to 1cm (negligible) have been disregarded for visual purposes.

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div>HORIZON NUCLEAR POWER</div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			THICKNESS OF SEDIMENT DEPOSITED ON THE SEABED ONE HOUR AFTER LAST DREDGE			
Scale @ A3	1:12,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_28					

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



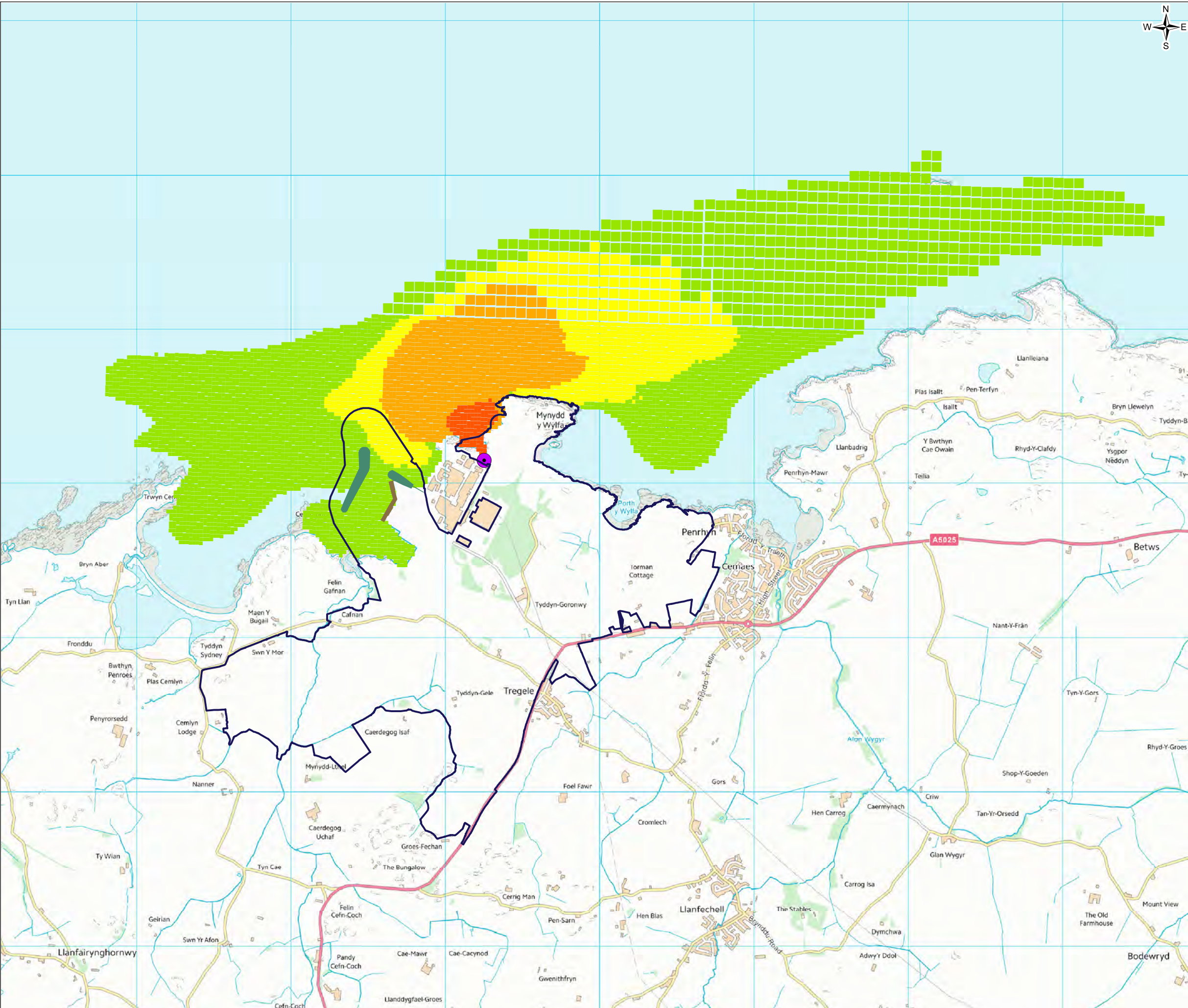


FIGURE D13-33

Legend

- Wylfa Newydd Development Area
- Breakwaters
- Marine off-loading facility
- Cooling water outfall

Increase in temperature at the surface (annual base case)

Predicted 98 percentile

- >1.00°C - 2.00°C
- >2.00°C - 3.00°C
- >3.00°C - 8.00°C
- >8.00°C

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			HORIZON NUCLEAR POWER			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PREDICTED 98 PERCENTILE INCREASE IN TEMPERATURE AT THE SURFACE OVER A REPRESENTATIVE SPRING-NEAP TIDAL CYCLE (ANNUAL BASE CASE)			
Scale @ A3	1:24,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_33					

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

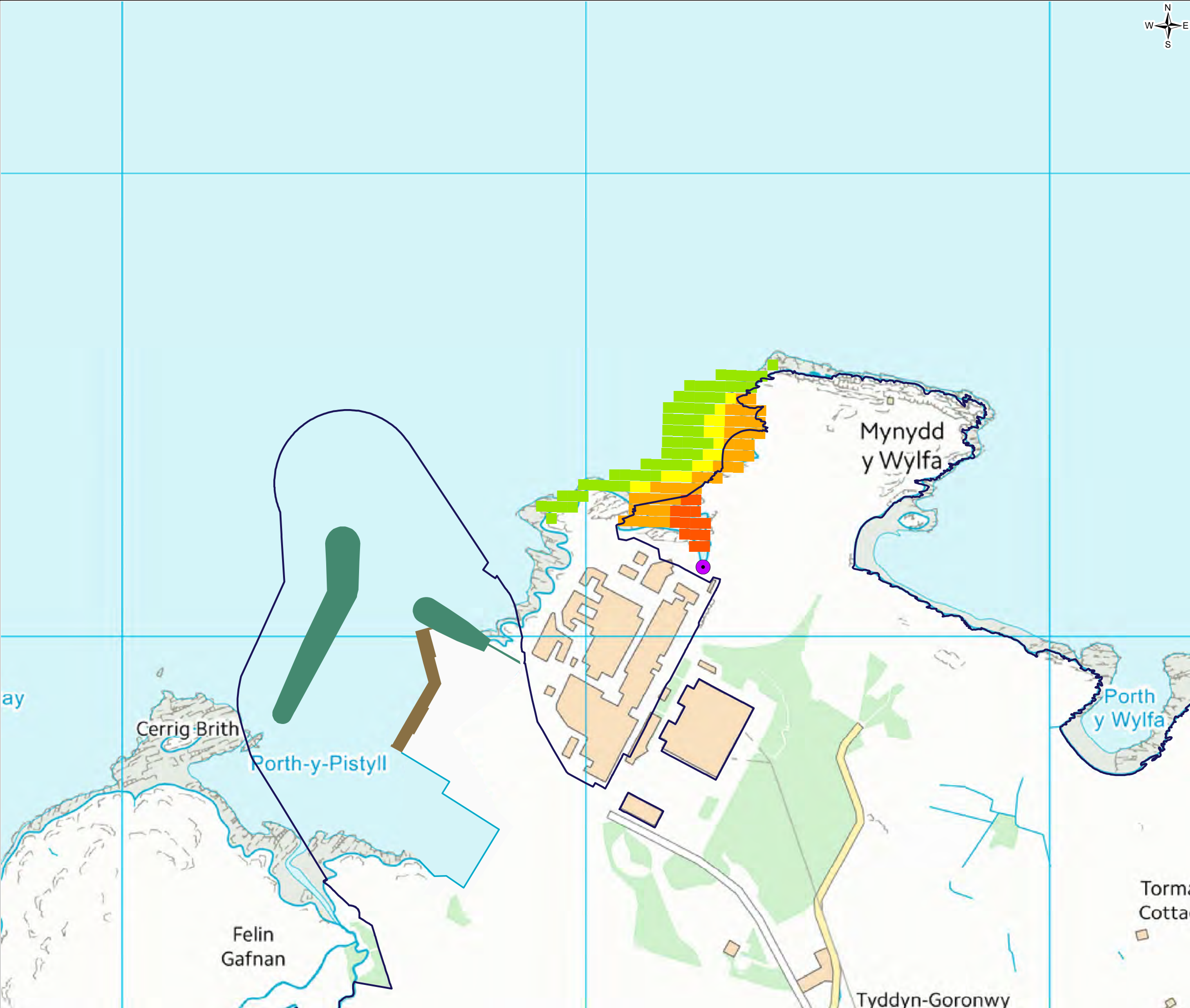


FIGURE D13-34

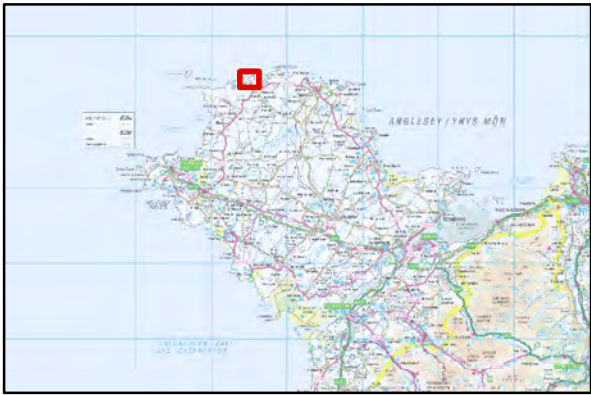
Legend


- Wylfa Newydd Development Area
- Breakwaters
- Marine off-loading facility
- Cooling water outfall

Increase in temperature at the seabed (annual base case)

Predicted 98 percentile

- >1.00°C - 2.00°C
- >2.00°C - 3.00°C
- >3.00°C - 8.00°C
- >8.00°C



1.0	MAR 18	DCO submission		HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision		Drawn	Check'd	Rev'd	Appr'd
<div>Client</div> <div></div>							
<div>Project</div> <div>WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT</div>							
<div>Drawing Title</div> <div>PREDICTED 98 PERCENTILE INCREASE IN TEMPERATURE AT THE SEABED OVER A REPRESENTATIVE SPRING-NEAP TIDAL CYCLE (ANNUAL BASE CASE)</div>							
Scale @ A3		1:8,000			DO NOT SCALE		
Jacobs No.		60PO8077					
Client No.							
<div>Drawing No.</div> <div>60PO8077_DCO_D_13_34</div>							
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.							

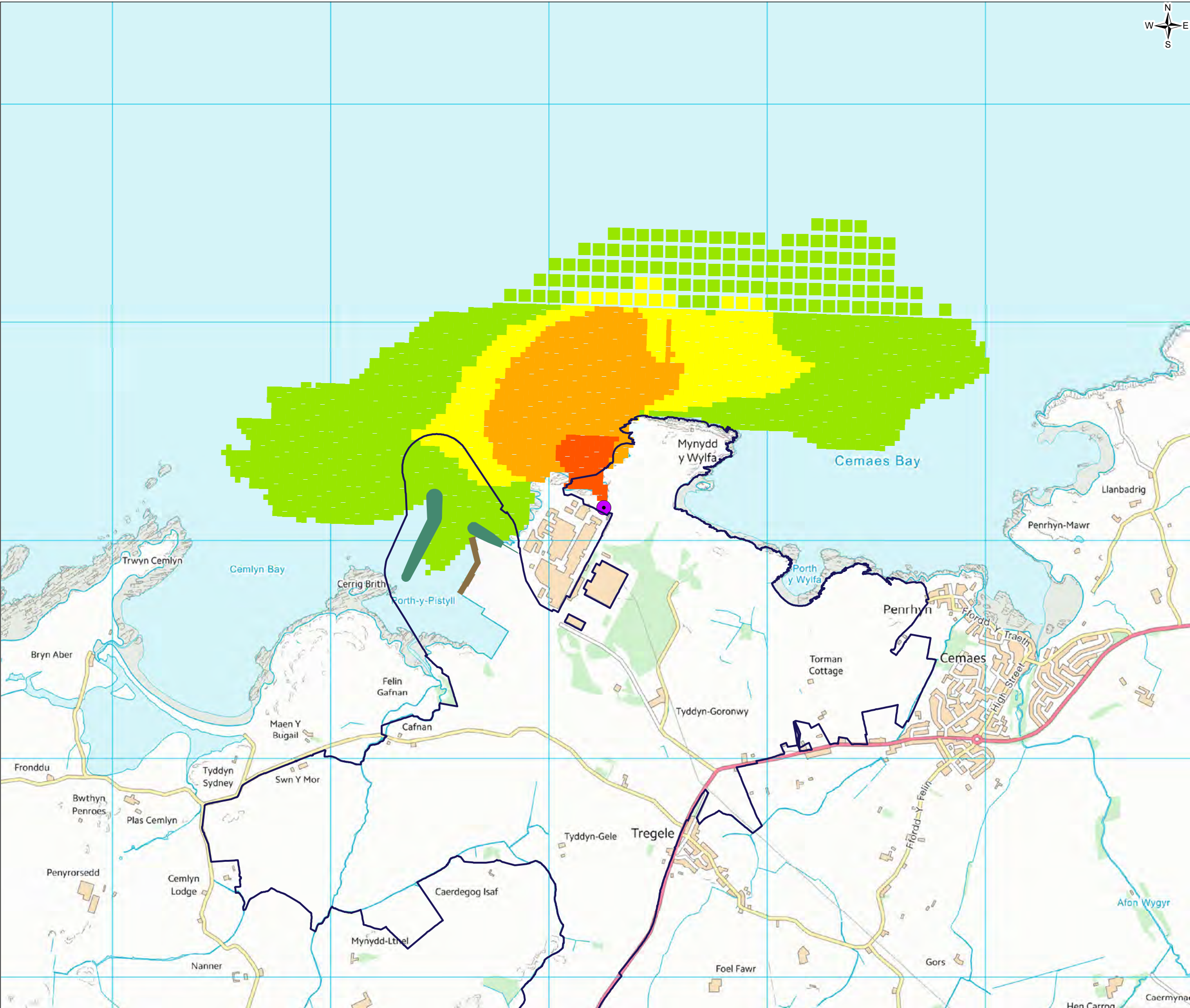


FIGURE D13-35

Legend

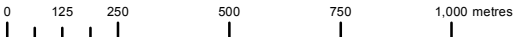
- Wylfa Newydd Development Area
- Breakwaters
- Marine off-loading facility
- Cooling water outfall

Increase in temperature at the surface
(summer case with variable wind)

Predicted 98 percentile

- >1.00°C - 2.00°C
- >2.00°C - 3.00°C
- >3.00°C - 8.00°C
- >8.00°C

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client		<div>HORIZON NUCLEAR POWER</div>				
Project		WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT				
Drawing Title		PREDICTED 98 PERCENTILE INCREASE IN TEMPERATURE AT THE SURFACE OVER A REPRESENTATIVE SPRING-NEAP TIDAL CYCLE (SUMMER BASE CASE WITH VARIABLE WIND)				
Scale @ A3	1:17,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_35					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



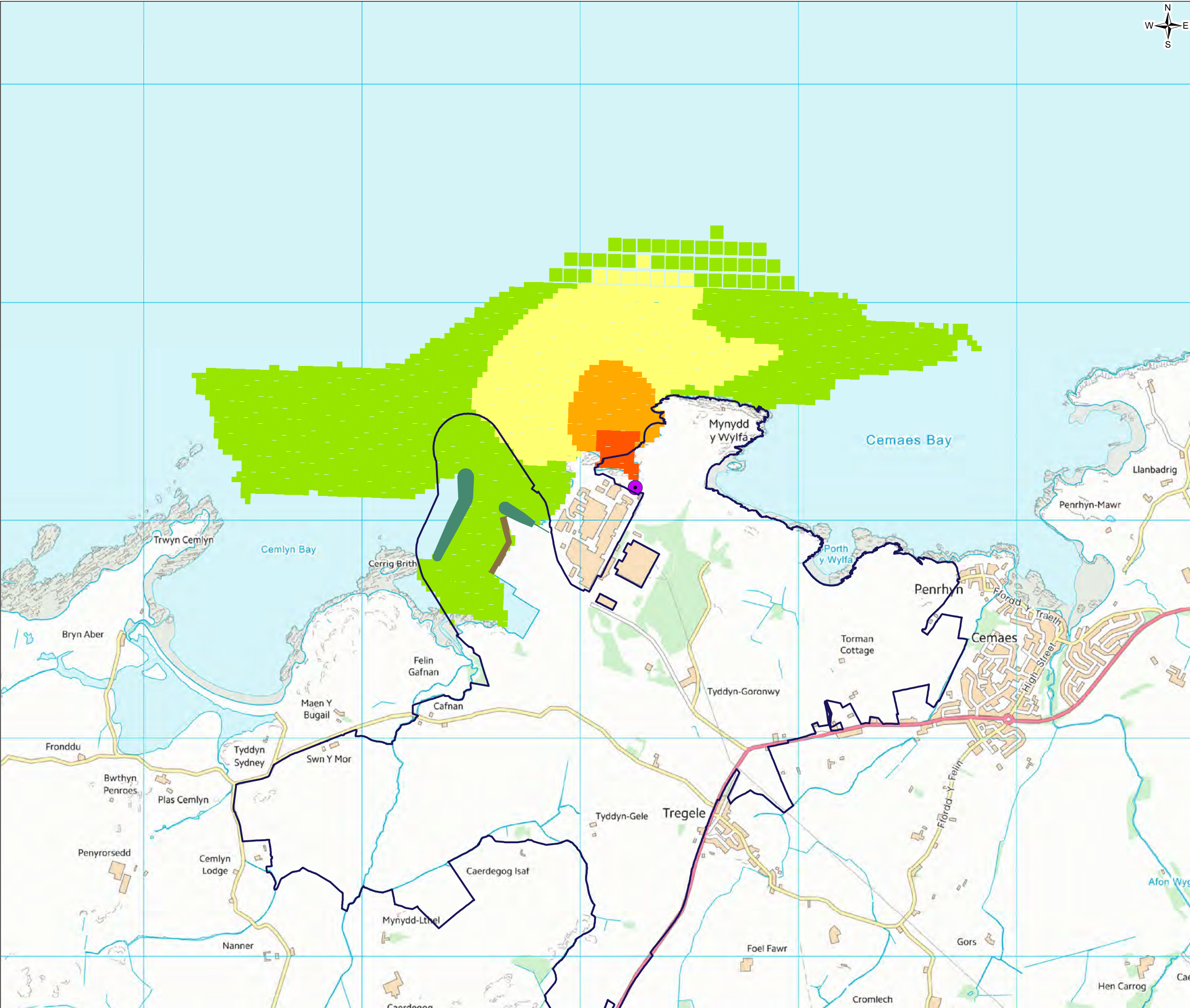


FIGURE D13-36

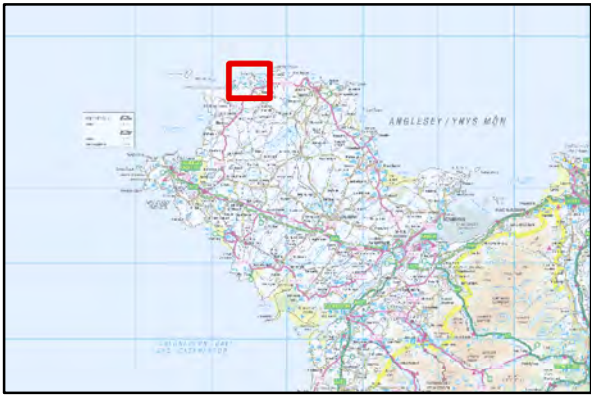
Legend


- Wylfa Newydd Development Area
- Breakwaters
- Marine off-loading facility
- Cooling water outfall

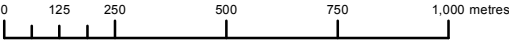
Increase in Total Residual Oxidant at the surface
(annual base case)

Predicted 95 percentile

- >0.01mg/l - 0.02mg/l
- >0.02mg/l - 0.05mg/l
- >0.05mg/l - 0.08mg/l
- >0.08mg/l - 0.10mg/l



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PREDICTED TOTAL RESIDUAL OXIDANT 95 PERCENTILE INCREASE AT THE SURFACE OVER A REPRESENTATIVE SPRING-NEAP TIDAL CYCLE (ANNUAL BASE CASE)			
Scale @ A3	1:17,000			DO NOT SCALE		
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_13_36			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



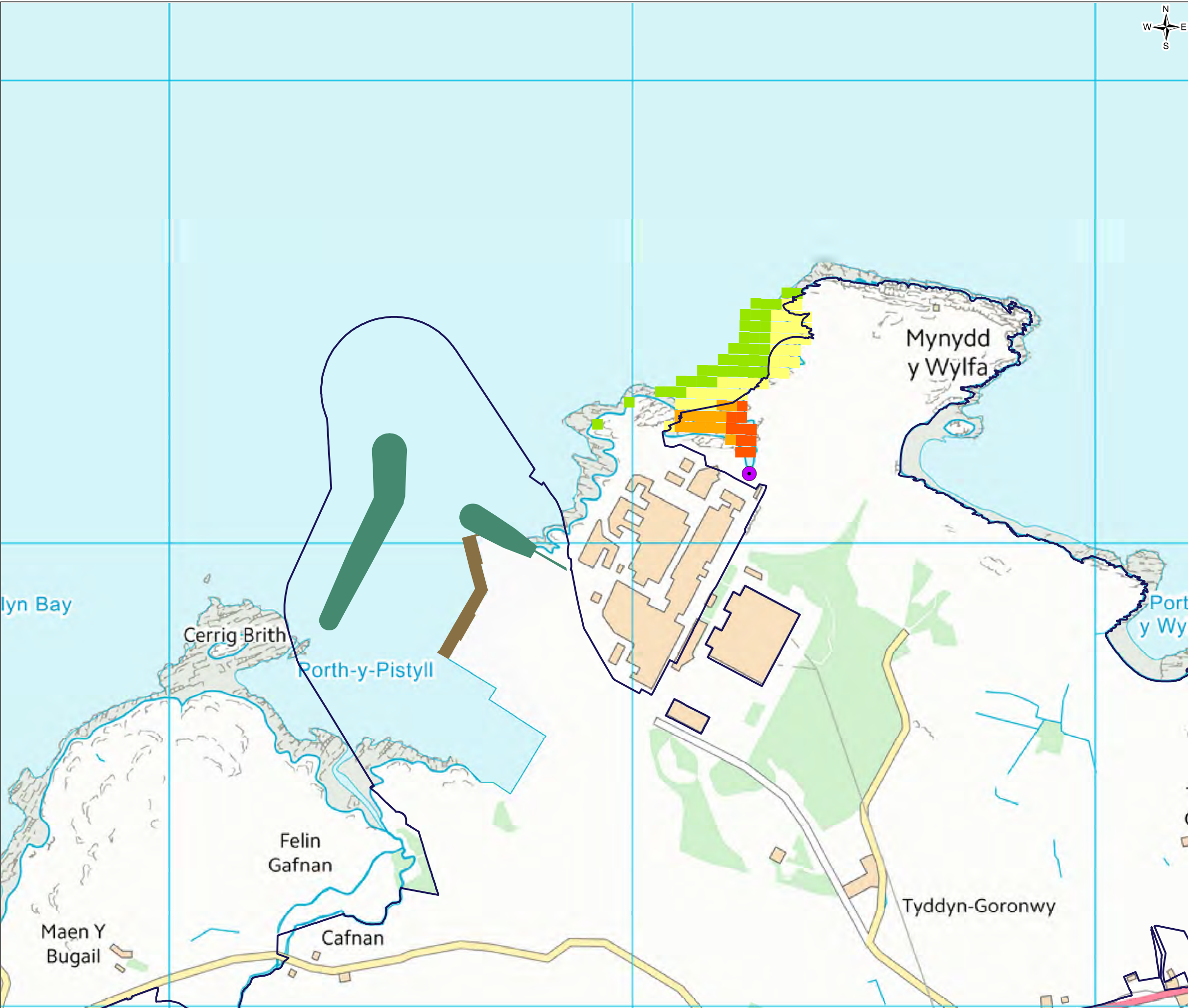


FIGURE D13-37

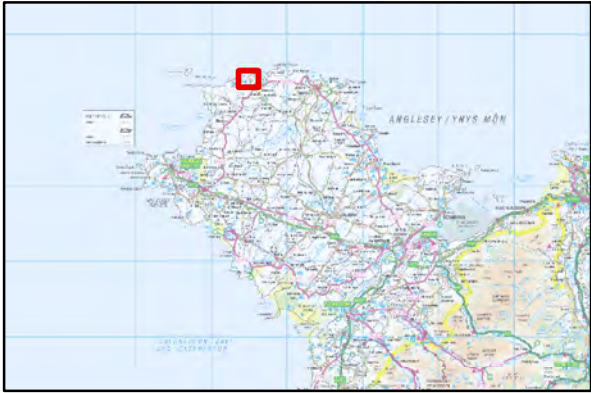
Legend


- Wylfa Newydd Development Area
- Breakwaters
- Marine off-loading facility
- Cooling water outfall

Increase in Total Residual Oxidant at the seabed (annual base case)

Predicted 95 percentile

- >0.01mg/l - 0.02mg/l
- >0.02mg/l - 0.05mg/l
- >0.05mg/l - 0.08mg/l
- >0.08mg/l - 0.10mg/l



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PREDICTED TOTAL RESIDUAL OXIDANT 95 PERCENTILE INCREASE AT THE SEABED OVER A REPRESENTATIVE SPRING-NEAP TIDAL CYCLE (ANNUAL BASE CASE)			
Scale @ A3	1:8,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_37					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

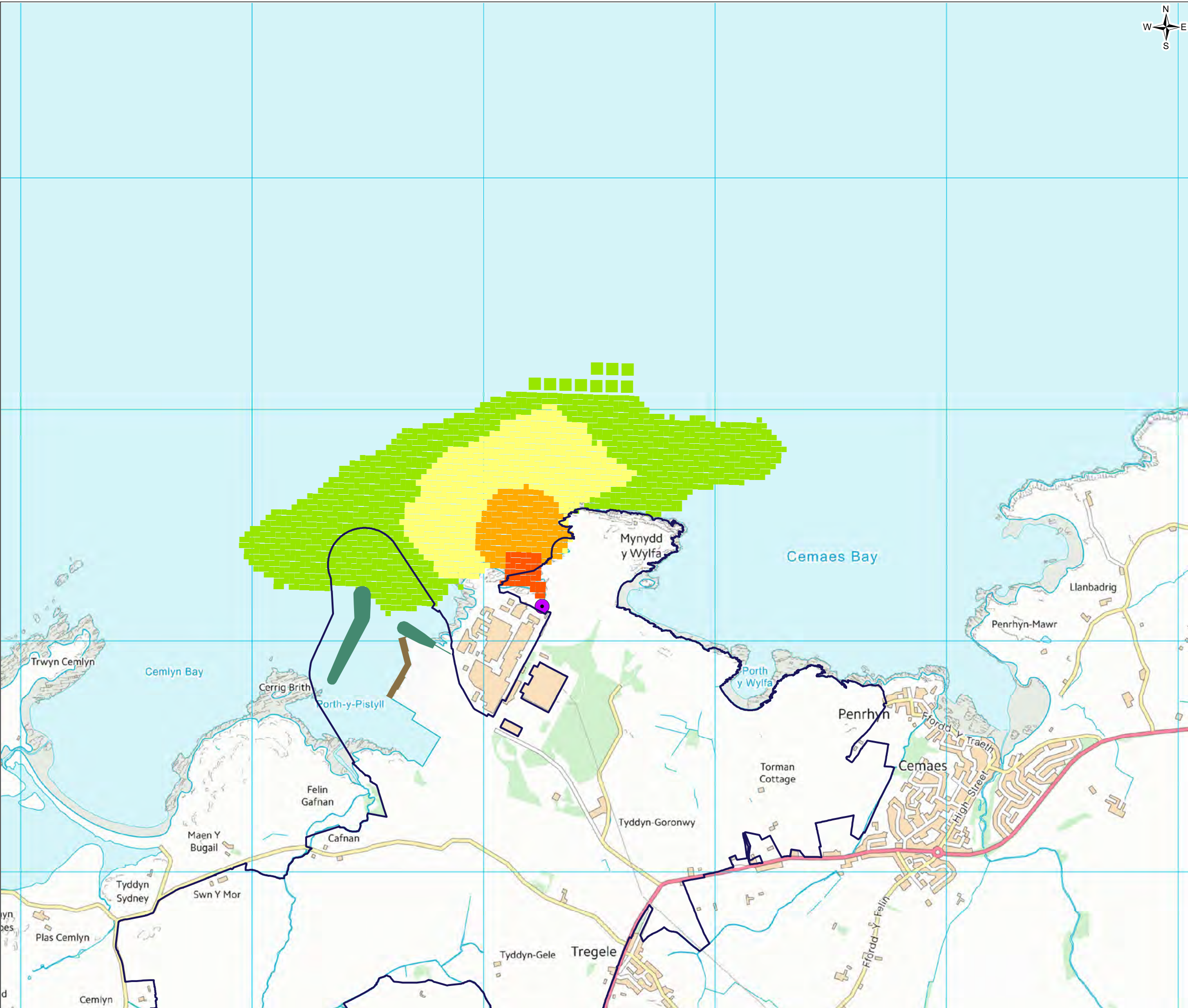


FIGURE D13-38

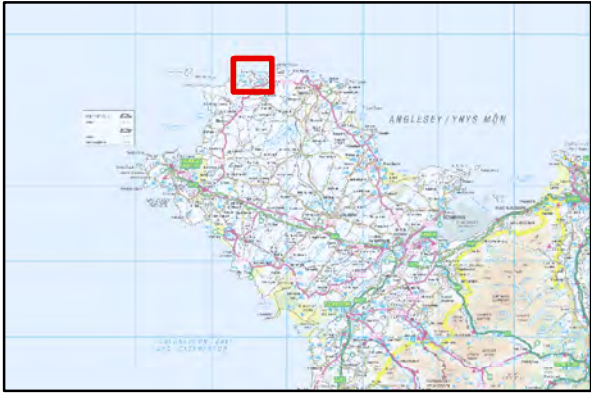
Legend

- Wylfa Newydd Development Area
- Breakwaters
- Marine off-loading facility
- Cooling water outfall

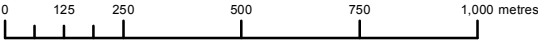
Increase in Total Residual Oxidant at the surface
(summer case with variable wind)

Predicted 95 percentile

- >0.01mg/l - 0.02mg/l
- >0.02mg/l - 0.05mg/l
- >0.05mg/l - 0.08mg/l
- >0.08mg/l - 0.10mg/l



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PREDICTED TOTAL RESIDUAL OXIDANTS 95 PERCENTILE INCREASE AT THE SURFACE OVER A REPRESENTATIVE SPRING-NEAP TIDAL CYCLE (SUMMER BASE CASE WITH VARIABLE WIND)			
Scale @ A3		1:16,000			DO NOT SCALE	
Jacobs No.		60PO8077				
Client No.						
Drawing No.			60PO8077_DCO_D_13_38			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



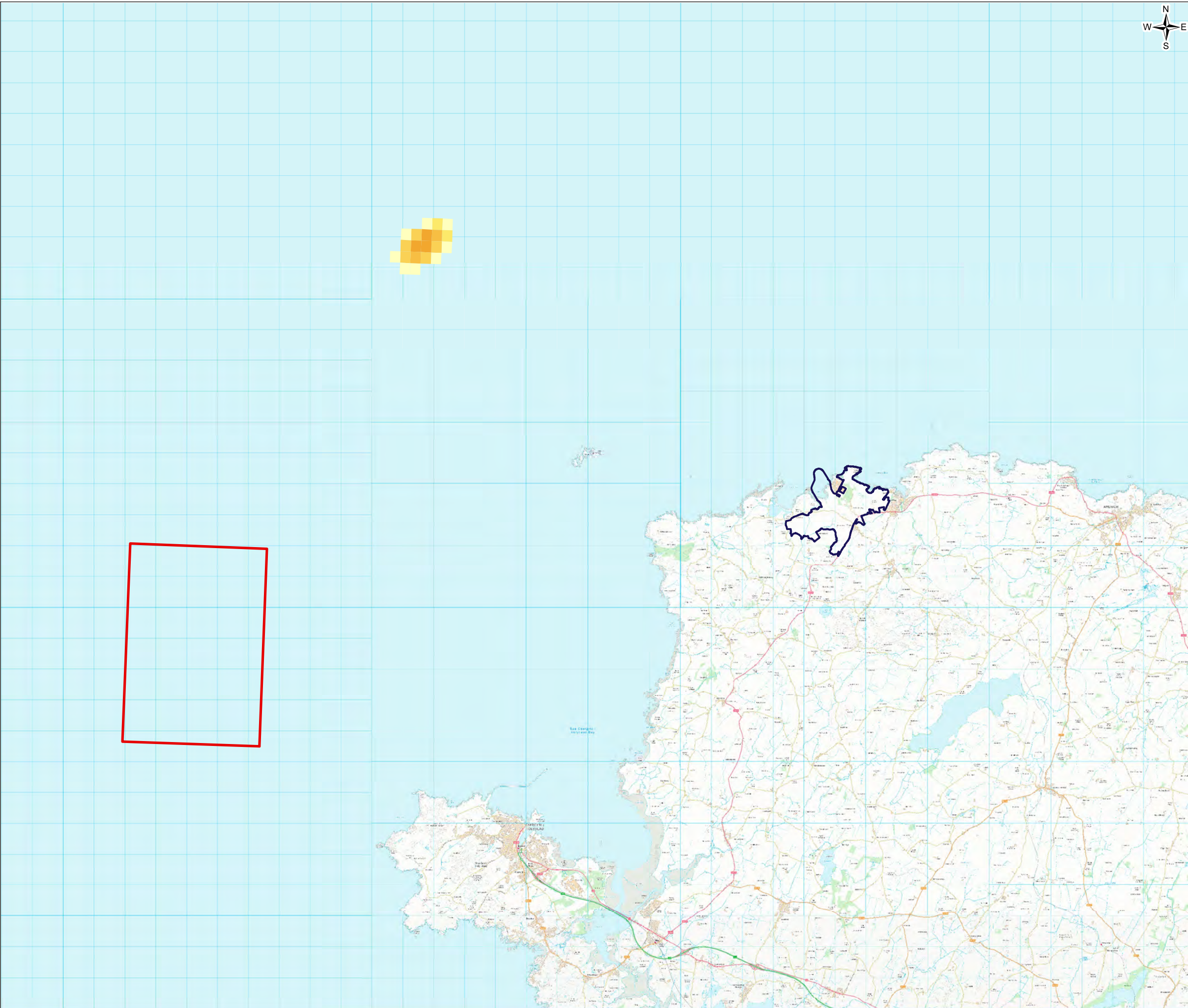


FIGURE D13-39

Legend

Wylfa Newydd Development Area

Disposal Site

Suspended sediment concentration

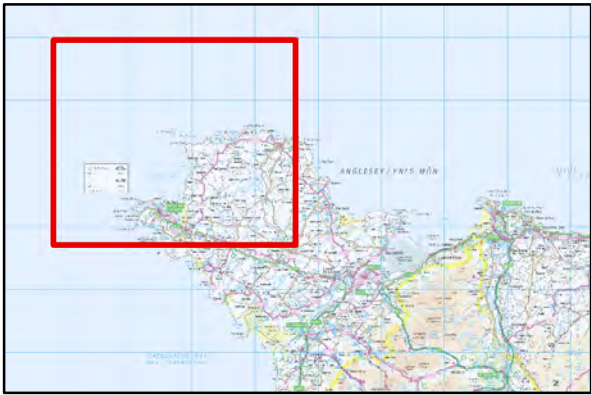
>1.0mg/l- 1.2mg/l

>1.2mg/l - 1.4mg/l

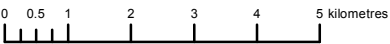
>1.4mg/l - 1.6mg/l

>1.6mg/l - 1.8mg/l

>1.8mg/l - 2.0mg/l



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div><div>HORIZON</div><div>NUCLEAR POWER</div></div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			EXCESS SUSPENDED SEDIMENT CONCENTRATION OF FINE SANDS (PARTICLES OF 0.1MM IN DIAMETER) FOLLOWING SINGLE DISPOSAL EVENT AT THE DISPOSAL SITE (+3HRS)			
Scale @ A3	1:120,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_13_39			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



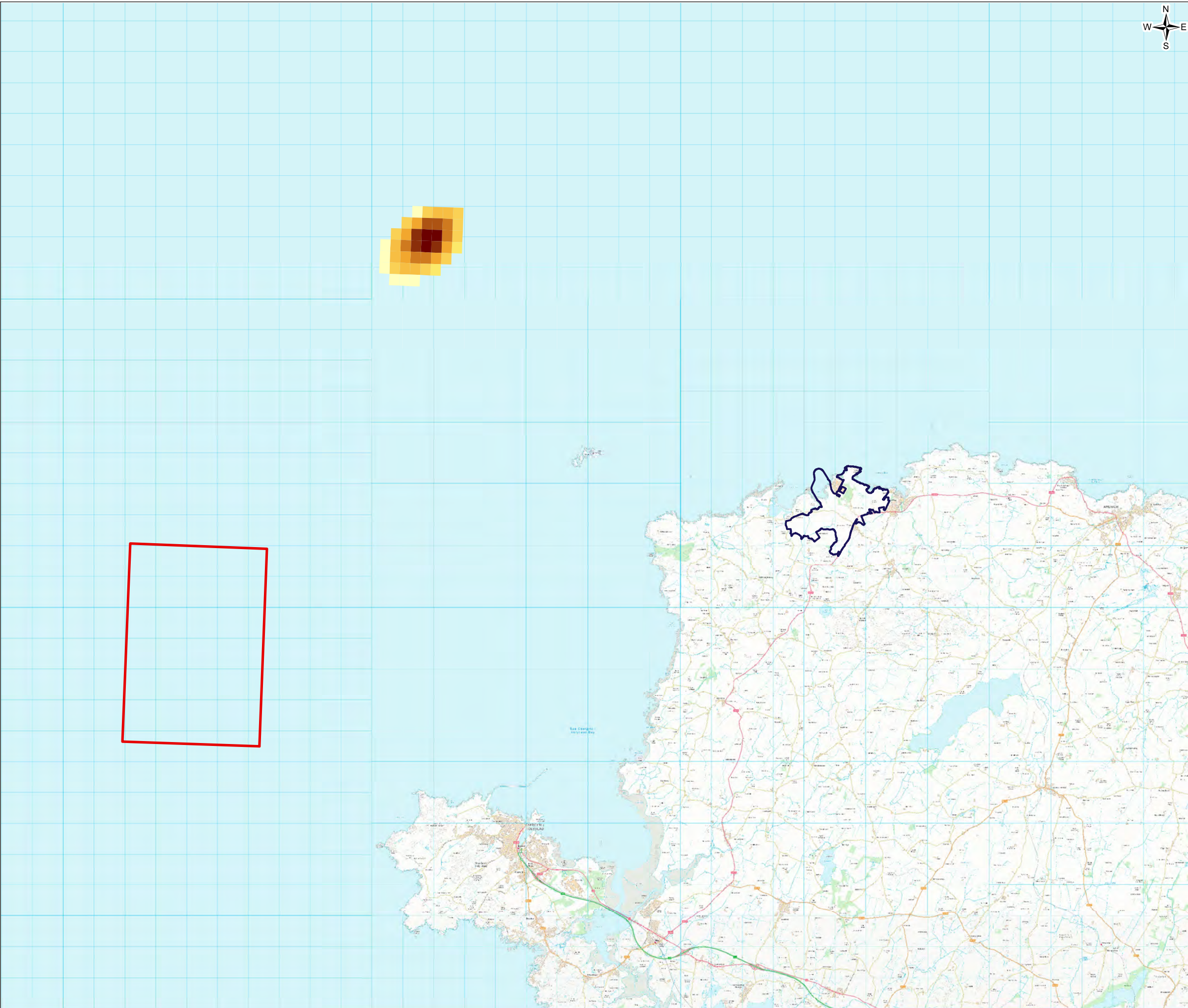


FIGURE D13-40

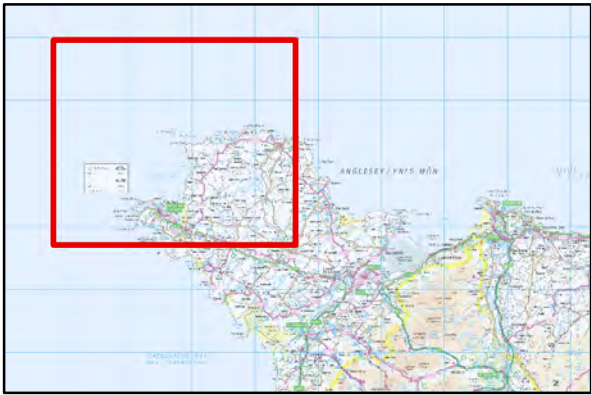
Legend


Wylfa Newydd Development Area

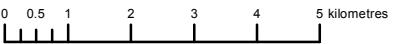
Disposal Site

Suspended sediment concentration

- >1.0mg/l - 1.5mg/l
- >1.5mg/l - 2.0mg/l
- >2.0mg/l - 3.0mg/l
- >3.0mg/l - 4.0mg/l
- >4.0mg/l - 5.0mg/l
- >5.0mg/l - 6.0mg/l
- >6.0mg/l - 7.0mg/l
- >7.0mg/l - 8.0mg/l
- >8.0mg/l - 9.0mg/l



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			EXCESS SUSPENDED SEDIMENT CONCENTRATION OF FINES (PARTICLES OF 0.063MM IN DIAMETER) FOLLOWING SINGLE DISPOSAL EVENT AT THE DISPOSAL SITE (+3HRS)			
Scale @ A3	1:120,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_40					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



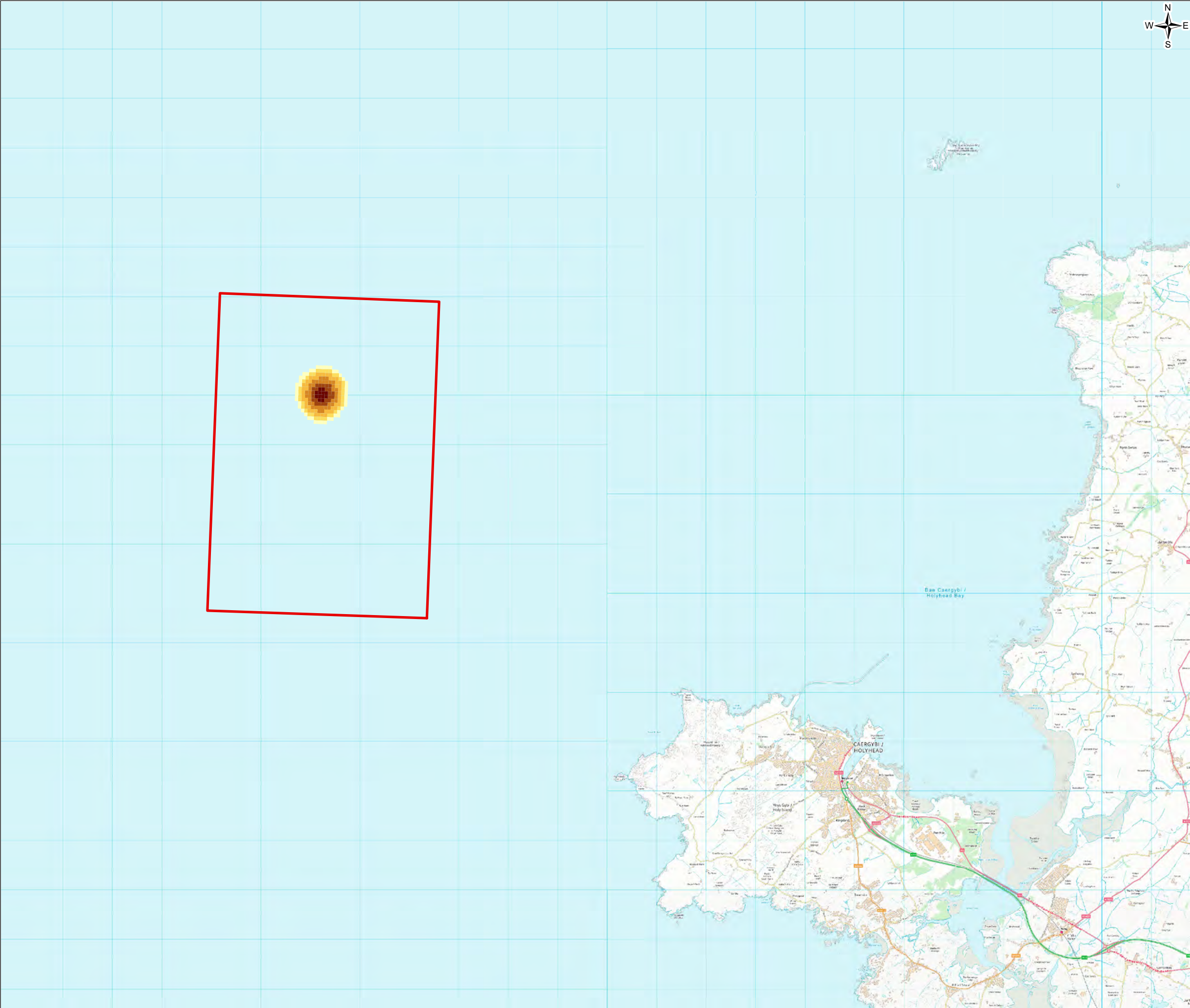


FIGURE D13-41


Legend

Disposal Site

Suspended sediment concentration

- >1.0mg/l - 1.5mg/l
- >1.5mg/l - 2.0mg/l
- >2.0mg/l - 3.0mg/l
- >3.0mg/l - 4.0mg/l
- >4.0mg/l - 5.0mg/l
- >5.0mg/l



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title						
EXCESS SUSPENDED SEDIMENT CONCENTRATION OF FINE SANDS (PARTICLES OF 0.1MM IN DIAMETER) FOLLOWING FULL 35 DAY DISPOSAL PROGRAMME AT THE DISPOSAL SITE (+1HR AFTER FINAL DISPOSAL EVENT)						
Scale @ A3	1:75,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						

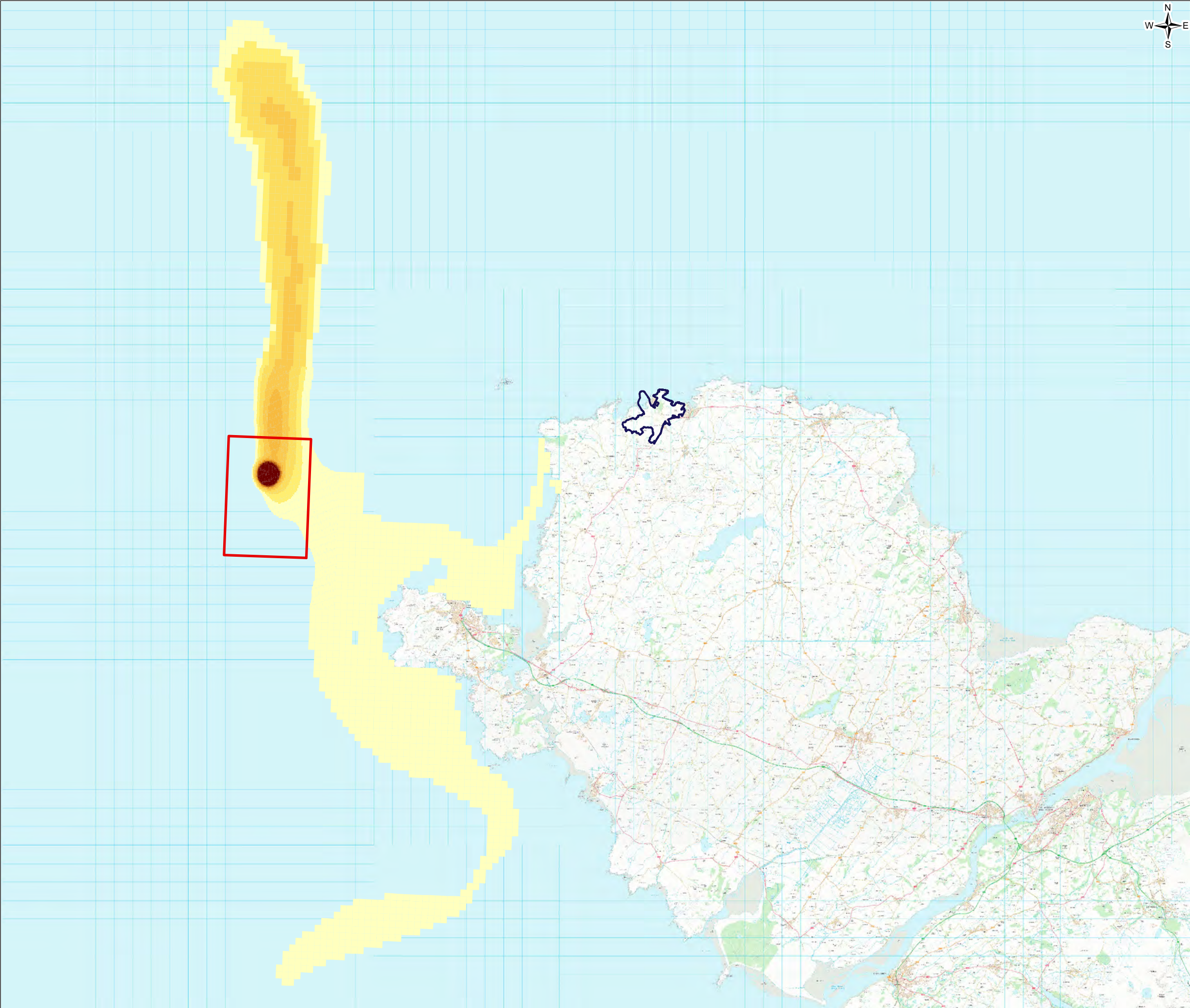


FIGURE D13-42

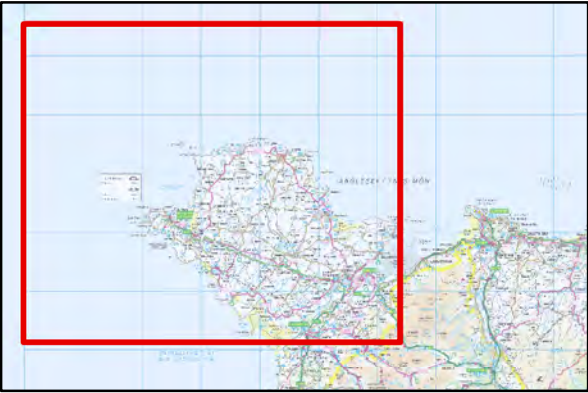
Legend


Wylfa Newydd Development Area

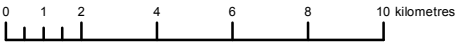
Disposal Site

Suspended sediment concentration

- >1.0mg/l - 1.5mg/l
- >1.5mg/l - 2.0mg/l
- >2.0mg/l - 3.0mg/l
- >3.0mg/l - 4.0mg/l
- >4.0mg/l - 5.0mg/l
- >5.0mg/l - 6.0mg/l
- >6.0mg/l - 7.0mg/l
- >7.0mg/l - 8.0mg/l
- >8.0mg/l - 9.0mg/l
- >9.0mg/l - 10.0mg/l
- >10.0mg/l



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			EXCESS SUSPENDED SEDIMENT CONCENTRATION OF FINES (PARTICLES OF 0.063MM IN DIAMETER) FOLLOWING FULL 35 DAYS DISPOSAL PROGRAMME AT THE DISPOSAL SITE (+1HR AFTER FINAL DISPOSAL EVENT)			
Scale @ A3	1:200,000			DO NOT SCALE		
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_13_42			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



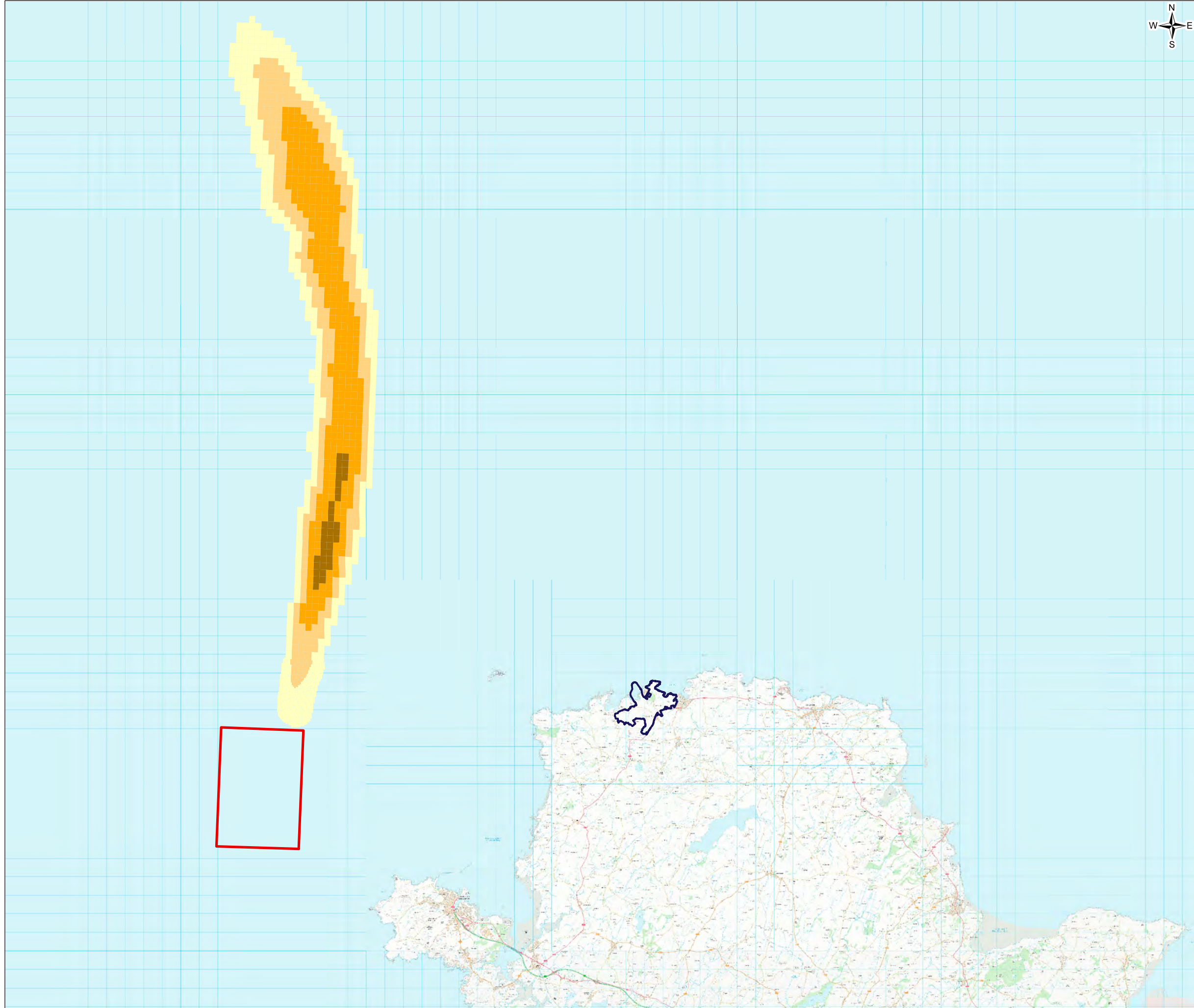


FIGURE D13-43

Legend

Wylfa Newydd Development Area

Disposal Site

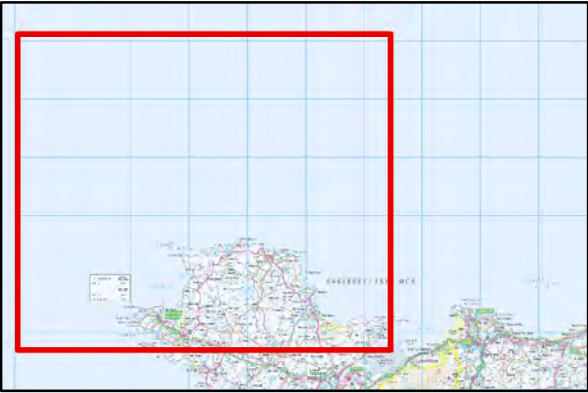
Suspended sediment concentration

>1.0mg/l - 1.5mg/l

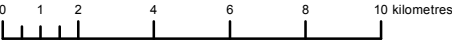
>1.5mg/l - 2.0mg/l

>2.0mg/l - 2.5mg/l

>2.5mg/l



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div><div>HORIZON</div><div>NUCLEAR POWER</div></div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			EXCESS SUSPENDED SEDIMENT CONCENTRATION OF FINE (PARTICLES OF 0.063MM IN DIAMETER) FOLLOWING FULL 35 DAY PROGRAMME AT THE DISPOSAL SITE (+48HR AFTER FINAL DISPOSAL EVENT)			
Scale @ A3	1:200,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_13_43			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



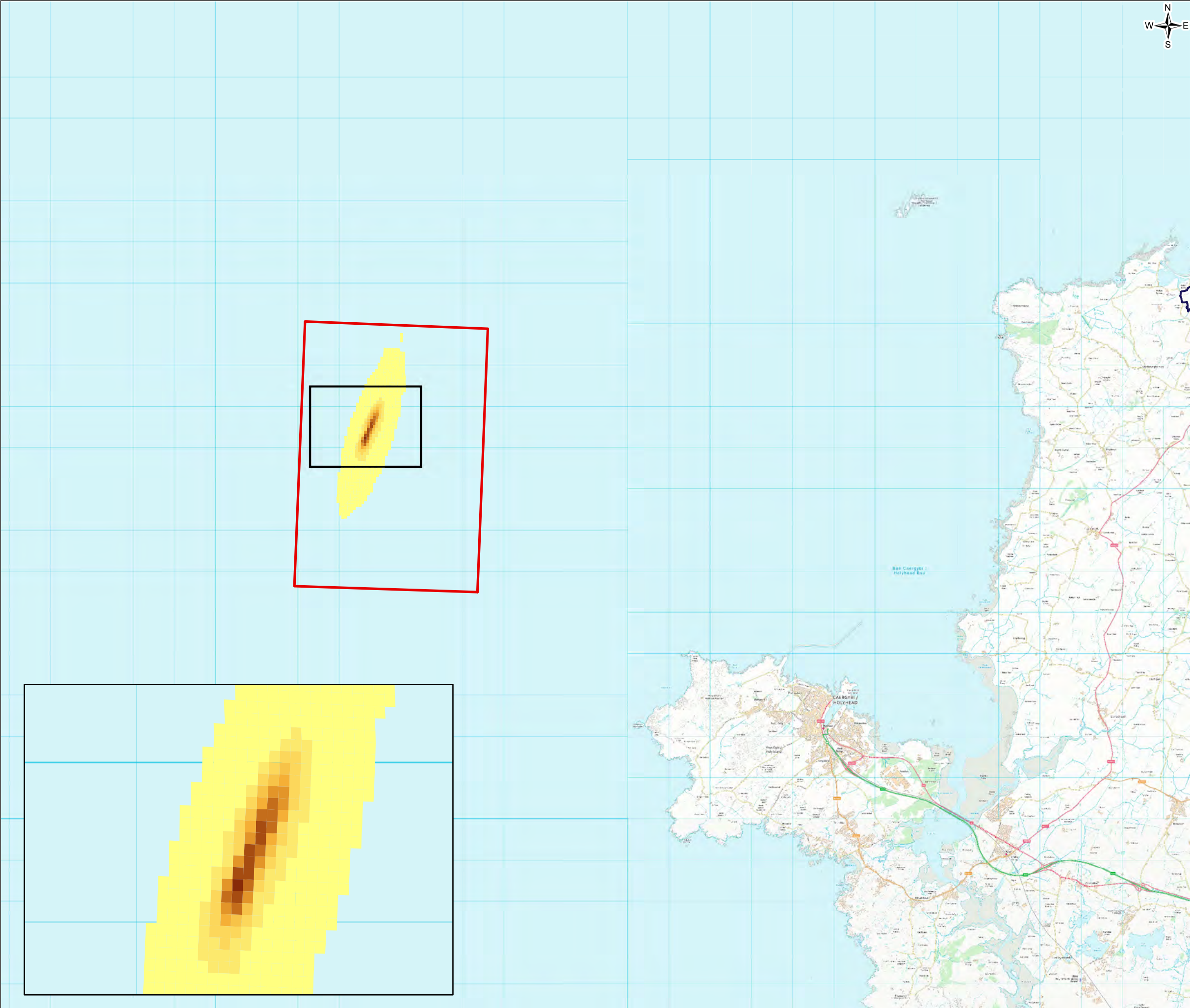


FIGURE D13-44

Legend


Wylfa Newydd Development Area

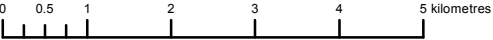
Disposal Site

Sediment deposition (thickness) at seabed

- >0.0025m - 0.05m
- >0.05m - 0.10m
- >0.10m - 0.15m
- >0.15m - 0.20m
- >0.20m - 0.25m
- >0.25m - 0.30m
- >0.30m - 0.35m
- >0.35m - 0.40m
- >0.40m - 0.45m



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			SEDIMENT DEPOSITION (THICKNESS) FOLLOWING COMPLETION OF FULL 35 DAY DISPOSAL PROGRAMME AT THE DISPOSAL SITE			
Scale @ A3	1:90,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_D_13_44					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



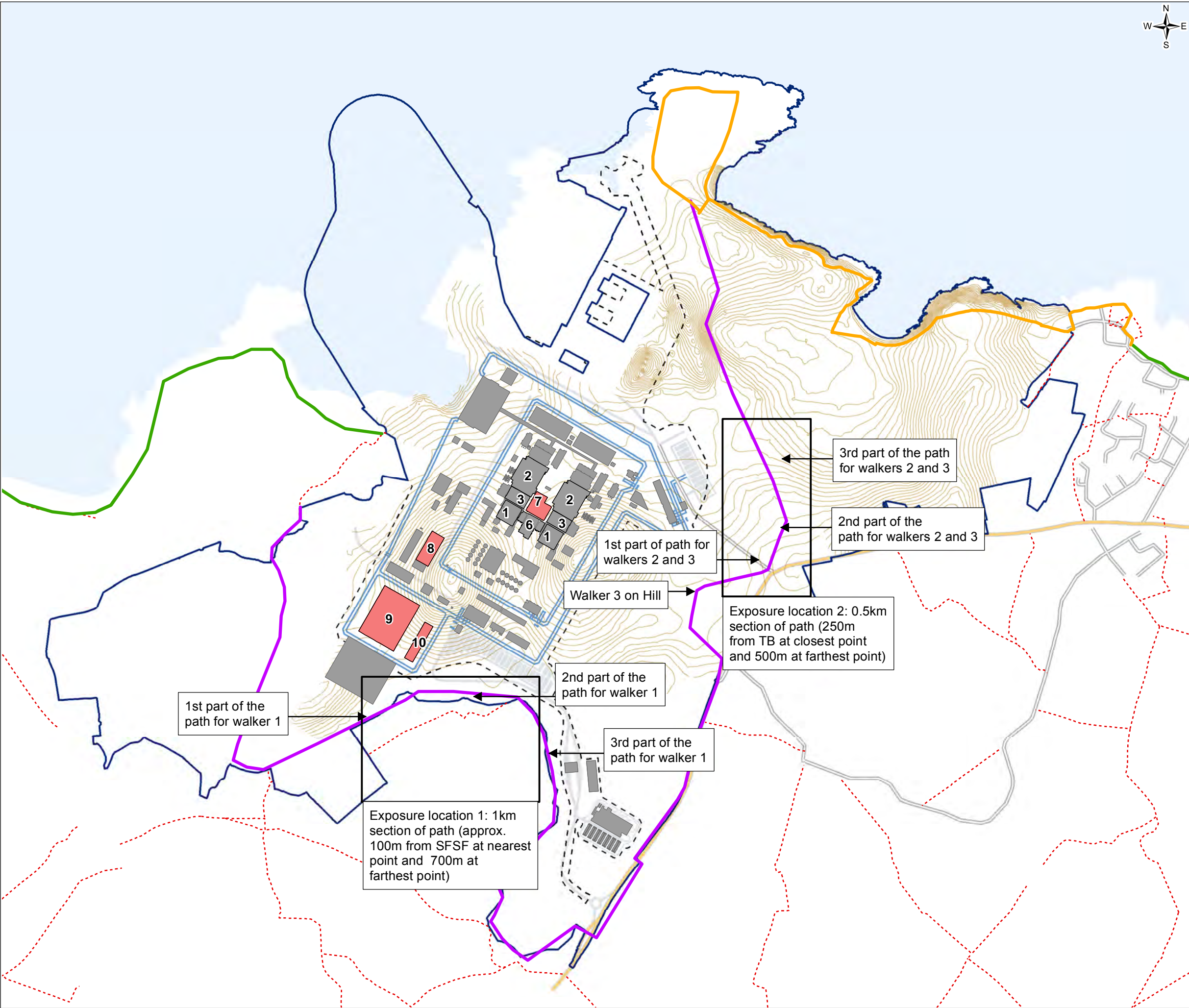
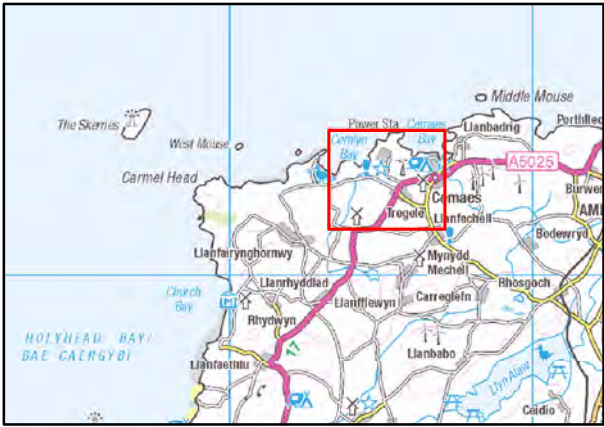



FIGURE D14-2

- Legend
- Wylfa Newydd Development Area
 - Power Station Site
 - Power Station fences
 - Buildings
 - Radioactive waste facilities
 - Power Station internal road layout
 - Wales Coast Path (existing alignment)
 - Wales Coast Path (outside construction boundary)
 - Proposed walking routes
 - Public Right of Way
 - Contours
 - 1 Reactor building
 - 2 Turbine building
 - 3 Control building
 - 6 Service building
 - 7 Radioactive waste building
 - 8 Lower activity waste management facility
 - 9 Spent fuel storage facility
 - 10 ILW storage facility



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'r'd
Client						
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			SITE LAYOUT AND WALKER EXPOSURE LOCATIONS FOR DIRECT RADIOLOGICAL ASSESSMENT			
Scale @ A3	1:12,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_D_14_02			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

