



Awel y Môr Offshore Wind Farm

Category 6: Environmental Statement

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CUMULATIVE EFFECTS ASSESSMENT METHODOLOGY

RWE Renewables UK Limited
Awel y Môr Offshore Wind Farm

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Contents

1	Introduction	4
1.1	Background	4
1.2	Definitions of cumulative and in-combination effects for AyM	4
2	Policy and legislative context.....	6
3	Consultation	8
4	Approach to cumulative effects assessment	12
4.1	Overview	12
4.2	Stage 1 – Establish the Zols and identify the longlist of ‘other development’	14
4.2.1	Developing the longlist	14
4.2.2	Tiered approach	17
4.3	Stage 2.....	25
4.4	Stages 3 and 4	29
5	References	30
	APPENDIX A – CEA Longlist	31

Figures

Figure 1: Locations of cumulative schemes – aggregates, disposal sites and outfalls.	19
Figure 2: Locations of cumulative schemes – offshore energy.....	20
Figure 3: Locations of cumulative schemes – cables and pipelines.....	21
Figure 4: Locations of cumulative schemes – oil and gas.	22
Figure 5: Locations of cumulative schemes – ports and harbours.	23
Figure 6: Locations of cumulative schemes – onshore planning applications.....	24

Tables

Table 3.1: Consultation relating to the CEA.....	8
Table 4.1: Stages of the CEA process.	12
Table 4.2: Offshore longlist Zols.	15
Table 4.3: Onshore longlist Zols.....	16
Table 4.4: Description of Tiers of other developments considered for CEA.....	18
Table 4.5: Definitions of screening criteria.	25
Table 4.6: Topic-specific screening ranges applied to the longlist.	26
Table 4.7: CEA longlist screening criteria.....	28

Glossary

Term	Definition
AyM	The Awel y Môr Offshore Wind Farm project.
Export Cable Corridor (ECC)	The area(s) where the export cables will be located.
Development Consent Order (DCO)	An order made under the Planning Act 2008 granting development consent for a Nationally Significant Infrastructure Project (NSIP) from the relevant Secretary of State (SoS).
Design envelope/ Maximum Design Scenario (MDS)	The maximum design parameters of the combined project assets that result in the greatest potential for change in relation to the impacts assessed.
Environmental Statement (ES)	A document reporting the findings of the Environmental Impact Assessment (EIA) in accordance with the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017.
Marine Licence	A licence required under the Marine and Coastal Access Act 2009 for marine works which is administered by the Natural Resources Wales (NRW) Marine Licensing Team (MLT) on behalf of the Welsh Ministers.
Preliminary Environmental Information Report (PEIR)	Preliminary Environmental Information Report. The PEIR was written in the style of a draft Environmental Statement (ES) and formed the basis of statutory consultation. Following that consultation, the PEIR documentation was updated into the final ES that accompanies the applications for the Development Consent Order (DCO) and Marine Licence.

Acronyms and Abbreviations

Term	Definition
AfL	Agreement for Lease
BEIS	Business, Energy and Industrial Strategy
CEA	Cumulative Effects Assessment
DCO	Development Consent Order
ECC	Export Cable Corridor
EIA	Environmental Impact Assessment
ES	Environmental Statement
ETG	Expert Topic Groups
HRA	Habitats Regulations Assessment
MDS	Maximum Design Scenario
MHWS	Mean High Water Springs

MPS	Marine Policy Statement
NPS	National Policy Statement
NRW	Natural Resource Wales
NSIP	Nationally Significant Infrastructure Project
O&M	Operation and maintenance
OWF	Offshore Wind Farm
PEIR	Preliminary Environmental Information Report
PINS	Planning Inspectorate
RIAA	Report to Inform the Appropriate Assessment
SoS	Secretary of State
SSC	Suspended Sediment Concentrations
WNMP	Welsh National Marine Plan
Zol	Zone of Influence
ZTV	Zone of Theoretical Visibility

Units

Unit	Definition
km	Kilometre
m	Metre

1 Introduction

1.1 Background

- 1 Cumulative effects are defined as the effects on a receptor that may arise when the development is considered together with other existing and/ or approved projects, plans and activities. A fundamental requirement of undertaking the Cumulative Effects Assessment (CEA) is to identify those projects, plans and activities with which Awel y Môr Offshore Wind Farm (AyM) may interact to produce a cumulative effect. These interactions may arise within the construction and operation and maintenance (O&M) phases of the project. Please note that due to the anticipated lifetime of the project (anticipated to be 25 years), it is not possible to undertake a meaningful assessment of potential cumulative effects for the decommissioning phase at this time, which is in line with common practice for Nationally Significant Infrastructure Projects (NSIPs).
- 2 The objective of this document is to provide details on the proposed methodology for AyM for each of the assessments, justification for the approach taken regarding cumulative impacts, and to detail the longlist of projects, plans and activities that have been considered within the assessments. The approach for cumulative impacts is based upon the Planning Inspectorate (PINS) Advice Note 17: Cumulative Effects Assessment, which is described in further detail in Section 2. The approach to the CEA is intended to be specific to AyM and takes account of the extensive available knowledge of the environment and of the other activities in the vicinity of AyM.

1.2 Definitions of cumulative and in-combination effects for AyM

- 3 The Environmental Statement (ES) sets out the findings of the Environmental Impact Assessment (EIA) to support the DCO and Marine Licence application. The focus of the EIA is on the assessment of the environmental impacts which are likely to have significant effects on the environment including an assessment of cumulative effects. For the purpose of the CEA process, cumulative effects are defined as effects upon certain receptors from AyM when considered alongside other proposed developments and any other reasonably foreseeable projects and activities. This includes all projects that result in a comparative or ongoing effect and is not restricted to offshore wind farms, offshore and onshore electrical systems, or projects that are pre-commencement.

- 4 In-combination effects are defined as the combined effect of AyM, with the effects from a number of different projects, on the integrity of European Sites designated for their nature conservation value in terms of the Habitats Regulations Assessment (HRA). The methodology for in-combination effects is bespoke to the HRA process (though it will draw on many of the same data sources presented in this document) and is presented separately within the Report to Inform the Appropriate Assessment (RIAA). This document, therefore, presents the first stages of the CEA for the EIA only.
- 5 In short, cumulative effects apply in the EIA, whilst in-combination effects apply to the RIAA in HRA terms. These definitions are consistent with those provided by PINS in Advice Note 17 and have been applied throughout the ES documentation.

2 Policy and legislative context

- 6 The Planning Act 2008 underpins the consenting regime for NSIPs. The PA 2008 sets out thresholds above which certain types of development are classified as NSIPs and therefore require a DCO in England and Wales. For offshore energy developments in Welsh waters (including offshore wind), projects are classed as NSIPs if they have a generating capacity of over 350 megawatts (MW) under section 15(3B) of the PA 2008. Awel y Môr will exceed this generating capacity and therefore is classed as an NSIP.
- 7 The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the 'EIA Regulations') implement the requirements of the EIA Directive (Directive 2014/52/EU) into UK law in respect of NSIPs. Since the offshore components of the project will be constructed within Welsh waters, Awel y Môr Offshore Wind Farm Limited ('the Applicant') will also require a Marine Licence from Natural Resources Wales (NRW) under the Marine and Coastal Access Act 2009 (MCAA), which necessitates an EIA to be carried out under the Marine Works (Environmental Impact Assessment) Regulations 2007.
- 8 A CEA is required under Schedule 4, Paragraph 5(e) and Schedule 3, Paragraph 3(2)(e) of the EIA Regulations and the Marine Works (EIA) Regulations 2017, respectively.
- 9 The National Policy Statements (NPSs) set out national (UK) policy relating to NSIPs. In line with the Energy White Paper, the NPSs are currently undergoing revision following consultation in late 2021. This document and the ES refer primarily to the extant NPSs, as these remain the primary policy tests of relevance. The draft NPSs are however referred to throughout the ES when relevant.
- 10 The Overarching NPS for Energy (EN-1) states at paragraph 4.2.5: *"When considering cumulative effects, the ES should provide information on how the effects of the applicant's proposal would combine and interact with the effects of other development (including projects for which consent has been sought or granted, as well as those already in existence)."*
- 11 The NPS for Renewable Energy Infrastructure (EN-3) states at paragraph 2.6.169: *"In considering what interference, obstruction or danger to navigation and shipping is likely and its extent and nature, the IPC should have regard to the likely overall effect of the development in question and to any cumulative effects of other relevant proposed, consented and operational offshore wind farms."*

- 12 The Overarching NPS for Energy (EN-1), the NPS for Renewable Energy Infrastructure (EN-3) and the NPS for Electricity Networks Infrastructure (EN-5) and their respective drafts identify the need to address the maximum potential adverse impacts. Matters considered to affect the maximum adverse impact are topic impacts, inter-relationships between topics, and cumulative impacts. The Maximum Design Scenario (MDS), or envelope, is also sometimes referred to as the ‘Rochdale Envelope’.
- 13 PINS has produced ‘Advice Note 9: Rochdale Envelope’ (2018) setting out the views of PINS regarding how this approach should be used in the context of the Planning Act 2008. The Rochdale Envelope approach is a well-understood concept that involves ensuring that any EIA is based on assessing the realistic MDS where flexibility or a range of options is sought as part of the consent application. This guidance confirms that in order to ensure a robust application of the Rochdale Envelope principle to the EIA process, this principle must also be applied to the CEA as well as the assessment of project specific, individual effects.
- 14 PINS has produced ‘Advice Note 17: Cumulative Effects Assessment’ (December 2019), which provides guidance on a staged process that can be used for cumulative effects assessments for NSIPs. Advice Note 17 details a four-step process that can be followed by developers and which has been applied here. The proposed methodology is outlined in Section 3 below.

Marine policy context

- 15 The Government’s Marine Policy Statement (MPS) sets out the need to address cumulative impacts or effects, stating in paragraph 2.3.2.1: *“when considering potential benefits and adverse effects, decision-makers should also consider any multiple and cumulative impacts of proposals in the light of other projects and activities”*.

Welsh policy

- 16 The Welsh National Marine Plan (WNMP), published in November 2019, contains policies across a range of considerations (including nature conservation, sustainable use, seascape, and coastal communities and economic growth). The WNMP includes sector objectives for renewable energy to support decarbonisation of the Welsh economy and the use of marine renewable energy generation (including offshore wind farms).
- 17 The WNMP also sets out a need for proposals to address cumulative effects as stated in Policy Aim 219: *“proposals should demonstrate that they have considered any multiple and cumulative effects of proposals including those associated with other (including known, planned) projects and activities”*.

3 Consultation

18 The CEA is the subject of detailed discussion between the Applicant, NRW and various statutory and non-statutory authorities and stakeholders. This consultation has been captured under the auspices of the Evidence Plan process, via focused Expert Topic Groups (ETGs), as well as technical consultation working groups.

19 A summary of consultation as related to the CEA to date is provided in Table 3.1 below.

Table 3.1: Consultation relating to the CEA.

Consultee, forum and date	Comment	Response to issue and/or where addressed
PINS Scoping Opinion (general comments) July 2020	The ES should include an assessment of cumulative effects for all aspects and matters where significant effects are likely to occur. The assessment of cumulative effects should not be limited to one particular development type and should instead focus on the potential for overlapping impacts and LSEs. The Inspectorate encourages the use of the advice contained in its Advice Note 17 regarding the approach to the assessment of cumulative effects.	A CEA has been included in the CEA sections of all EIA topics where significant effects are likely to occur. This document outlines the 'other development' types that are considered alongside AyM and this includes multiple development types as outlined in Section 4.2.1. The methodology for determining the potential for cumulative effects is described in Section 1.1 of this document. As described in Section 2, the CEA follows PINS Advice Note 17.
PINS Scoping Opinion (airborne noise and vibration) July 2020	The ES should explain how the cumulative assessment has identified those projects or activities which overlap with the zone of influence of the Proposed Development and how all potential contributions have been considered.	A cumulative impact assessment has been undertaken in the ES to address any significant development projects or activities which may overlap with the zone of influence of the Proposed Development.
PINS Scoping Opinion (air quality) July 2020	The approach to the assessment of cumulative effects should be in accordance with the advice contained in paragraph 3.3.3 (see comment in first row of this table).	The CEA has been undertaken in accordance with this comment. The projects of interest have been determined through consultation with the relevant local planning authorities, based upon their temporal and spatial relevance to the project, and whether they represent a potential for cumulative effects.
PINS Scoping Opinion (public health)	The Inspectorate does not consider that sufficient evidence has been provided to	The Applicant has provided a proportionate consideration of

Consultee, forum and date	Comment	Response to issue and/or where addressed
July 2020	support scoping out EMF cumulative effects during operation.	potential cumulative effects associated with EMF.
PINS Scoping Opinion (physical processes) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 333 -336) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	A combination of project, site specific modelling, and spring tidal excursion ellipse buffers (approx. 15 km) have been used to establish the zone of influence around AyM. This approach has been used to determine the potential for sediment plume interaction with other projects.
PINS Scoping Opinion (marine water and sediment quality) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 373 -374) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	A CEA for marine water and sediment quality has been scoped in.
PINS Scoping Opinion (benthic subtidal and intertidal ecology) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 424) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	Although significant effects are not anticipated, a CEA for benthic subtidal and intertidal ecology has been scoped in.
PINS Scoping Opinion (fish and shellfish ecology) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 446) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	Although significant effects are not anticipated, a CEA for fish and shellfish ecology has been scoped in.
PINS Scoping Opinion (marine mammals) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 523) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	A CEA for marine mammals has been scoped in.
PINS Scoping Opinion (offshore ornithology) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 559-566) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	Although significant effects are not anticipated, a CEA for offshore ornithology has been scoped in.
PINS Scoping Opinion (SLVIA) July 2020	The Inspectorate does not agree that cumulative impacts should be limited to only other development in the form of offshore wind turbine development	A CEA has been scoped in for SLVIA.

Consultee, forum and date	Comment	Response to issue and/or where addressed
	(reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	
PINS Scoping Opinion (other marine users and activities) July 2020	The Inspectorate agrees that where no pathway for effect exists that cumulative effects on other users can be scoped out. Where a pathway does exist the likelihood of significant cumulative effects should be assessed in the ES.	This is noted by the Applicant and has been applied in the ES.
NRW comments on Cumulative Effects Assessment Methodology, December 2020)	It was requested that the following projects be added to the CEA longlist: <ul style="list-style-type: none"> - Port of Mostyn Tidal Lagoon; - Mersey Tidal Lagoon; - Greenlink Interconnector; - Morlais Tidal Development Zone; and - Firing ranges at Aberporth and Castlemartin. 	These projects have been added to the CEA longlist (Appendix A to this document).
NRW comments on Cumulative Effects Assessment Methodology, December 2020)	It should be clarified what evidence has been used to determine the 15 km excursion extent for marine physical processes.	As described in Volume 2, Chapter 2: Marine Geology, Oceanography and Physical Processes, the limit of the tidal excursion is informed by modelling has concluded a ZoI of up to 12 km around the array and offshore ECC. Prior to this, the initial screening range of 15 km was used as a precautionary range before modelling was completed.
NRW comments on Cumulative Effects Assessment Methodology, December 2020)	Concerns that there may be offshore energy projects further away than 500 km which could be impacting upon some bird species from Welsh seabird sites. The potential effects should be looked at for each site on a case-by-case basis and should be based on a suitable evidence base, e.g. tagging and tracking studies, foraging ranges and the relevant BDMPS (Furness 2015).	The CEA in the EIA looks at impacts directly on birds as a receptor in their own right. Impacts to designated sites are dealt with through the in-combination assessment in the RIAA. The EIA screening range for ornithology is set at 'species dependent on foraging range'. For some species, this extends beyond 500 km, but in most cases it has been considered more appropriate to consider the regional geographic population.
S42 Denbighshire County Council comments on	The CEA should include the enabling works at the National Grid substation, all existing substations and energy related infrastructure with a worst-case	These have since been included within the cumulative effects assessments of the relevant ES chapters.

Consultee, forum and date	Comment	Response to issue and/or where addressed
Cumulative Effects Assessment November 2021	scenario and in relation to the proposed onshore substation site.	
S42 Denbighshire County Council comments on Cumulative Effects Assessment November 2021	Denbighshire County Council supplied a list of onshore developments that they propose should be included in the CEA longlist appendix, including development applications submitted since January 2018, such as pre-application major schemes and plans pending determination.	The recommended projects have been added to the CEA longlist (Appendix A to this document).

4 Approach to cumulative effects assessment

4.1 Overview

- 20 Cumulative effects refer to effects upon receptors arising from AyM when considered alongside all existing, and/ or reasonably foreseeable projects, plans and activities that results in a cumulative effect with any element of AyM. It should be noted that existing projects are generally considered to be part of the existing baseline environment, except in cases where there is an ongoing effect; examples are loss of benthic habitat for an existing (offshore wind) project will generally form part of the baseline as the habitat was lost at that stage, whereas ongoing bird collisions associated with the same project would be considered ongoing. The exact approach taken by each technical topic is described within the CEA section of the relevant ES chapters.
- 21 The cumulative effects arising as a result of AyM is a required part of the EIA as described in Section 2. PINS Advice Note 17: Cumulative Effect Assessment provides guidance on a staged process that can be used for CEAs for NSIPs, which is described below in Table 4.1.

Table 4.1: Stages of the CEA process.

CEA Stage	Activity
Stage 1 – Establish the project's Zone of Influence (Zol) and identify a longlist of 'other development'	<p>The Project undertakes a desk study to identify the Zol for the development for the topics that are proposed to be scoped into the EIA. The Zol analysis is documented (i.e. table of topics and Zol), with supporting mapping.</p> <p>The longlist of other plans and projects/activities is drawn up through a desk study of planning applications, development plan documents, relevant development frameworks and any other available sources to identify 'other development' within the Zol.</p> <p>Information on each project (location, development type and timing, etc.) is documented, along with the certainty or tier assigned to the 'other development' (i.e. confidence it will take place in the current form and when it will take place in relation to the project).</p> <p>Advice Note 17 notes that the project should then consult with the relevant planning authority/ authorities and statutory consultees regarding the longlist (and ideally prior to the submission of the Scoping Report¹).</p>

¹ Note that AyM did not provide a longlist for consideration at Scoping for cumulative issues, this was prepared for consultation at the PEIR stage.

CEA Stage	Activity
Stage 2 – Screening of longlist: Identify a shortlist of ‘other development’ for the CEA	<p>PINS has provided inclusions/ exclusion threshold criteria, against which the potential for ‘other development to give rise to significant cumulative effects by virtue of overlaps in temporal scope, the scale and nature of the ‘other developments’ and /or receiving environment, or any other relevant factors is assessed.</p> <p>From this assessment, a shortlist of ‘other developments’ to be included in the CEA is produced. It is noted that documented information on each of the ‘other developments’ is likely to be high level at this stage, outlining the key issues to take forward.</p> <p>Advice Note 17 notes that the proposed inclusion/ exclusion should ideally be finalised prior to the request for a Scoping Opinion, and the project must consult with the relevant planning authorities and statutory consultees regarding the shortlist²).</p>
Stage 3 – Information gathering	All available information on the ‘other developments’ within the shortlist generated at Stage 2 is collated to inform the CEA.
Stage 4 – Assessment	<p>The project reviews each of the ‘other developments’ in turn to assess whether cumulative effects may arise. This should also include, where relevant, consideration of any mitigation measures where adverse cumulative effects are identified and should clearly signpost to the relevant means of securing mitigation (e.g. DCO requirements and associated mitigation plans).</p> <p>While not to be used as a means to shift the burden of mitigation, it may be appropriate to ascertain the contribution of each development to the effect (via professional judgement). This may, however, be useful during the consultation with other developers to identify ways to jointly address mitigation measures to be implemented to reduce likely significant adverse cumulative effects.</p>

- 22 The following sections set out the AyM approach to completing Stages 1 to 3 (as described in Table 4.1 above), incorporating the development of the longlist (Appendix A), tiering of projects and the development of the topic-specific shortlists. These shortlists have been considered in detail in each of the topic-specific ES chapters to complete CEA Stage 4.

² Note that Awel y Môr OWF did not provide a longlist for consideration at Scoping for cumulative issues,

4.2 Stage 1 – Establish the Zols and identify the longlist of ‘other development’

4.2.1 Developing the longlist

23 Under the first stage of the offshore CEA, a longlist of relevant projects, plans and activities occurring within a large study area around AyM array area and its associated export cable corridor (ECC) have been developed. Depending on the type of project, this generally encompasses a large area of the Irish Sea (offshore) (Table 4.2) and parts of North Wales (onshore) (Table 4.3). The longlist (Appendix A) includes the details of the relevant operational or planned projects, plans and activities including those in the UK and adjoining international jurisdictions and has been based on publicly available information available at the time of preparation.

Offshore

24 The longlist, seaward of Mean High-Water Springs (MHWS) has been produced based on the scale of other projects and the potential for them to produce cumulative effects with AyM. The longlist was reviewed post-PEIR consultation and updated in January 2022 for the purpose of the ES, and all relevant changes have been captured in the ES chapter assessments.

25 Table 4.2 defines the search area extents that have been applied in developing the longlist of projects, plans and activities. It should be noted that the initial screening ranges were based on what are considered to be the maximum extents of potential impacts from those activities and are therefore considered to be highly precautionary. Impact-specific screening ranges used for individual topics use refined ranges depending on topic-specific criteria at Stage 2.

26 All projects, plans and activities within the search areas defined in Table 4.2 have been identified through a desktop study using, among others, the following data sources:

- PINS website³;
- The Crown Estate website⁴;
- European Marine Observation and Data Network (EMODnet) data⁵;

³ <https://infrastructure.planninginspectorate.gov.uk/>

⁴ <https://www.thecrownestate.co.uk/en-gb/what-we-do/on-the-seabed/marine-planning/>

⁵ <http://www.emodnet-humanactivities.eu/view-data.php>

- Wales Marine Planning Portal⁶
- Ireland's Marine Atlas data⁷;
- Oil and Gas UK website⁸;
- Developer and project proponent websites.

27 The CEA longlist for projects is presented in Appendix A of this document. All offshore projects, plans and activities considered based on the Zol criteria listed in Table 4.2 are presented in Figure 1 to Figure 5.

Table 4.2: Offshore longlist Zols.

Type of project or activity	Zol criteria	Rationale
Aggregate dredging and disposal	Up to 50 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from aggregate dredging and disposal could occur (e.g. changes to hydrodynamic regime/coastal processes).
Offshore energy	Up to 500 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from offshore energy (e.g. underwater noise from piling) could occur.
Commercial fisheries	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from commercial fisheries activities could occur.
Oil and gas	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from oil and gas activities could occur.
Cables and pipelines	Up to 50 km from AyM array area and offshore ECC.	This range represents a precautionary distance at which effects from cables and pipelines (e.g. increases to Suspended Sediment Concentrations (SSCs) from installation) could occur.
Shipping	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from commercial fisheries activities could occur.
Military, aviation and radar	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from military, aviation and radar effects could occur.

⁶ <http://lle.gov.wales/apps/marineportal/#lat=50.7112&lon=-4.2050&z=9>

⁷ <http://atlas.marine.ie/>

⁸ <https://www.ogauthority.co.uk/data-centre/interactive-maps-and-tools/>

Type of project or activity	Zol criteria	Rationale
Coastal developments (including ports)	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from military, aviation and radar effects could occur,

Onshore

- 28 Under the first stage of the onshore CEA, a longlist of relevant projects, plans and activities occurring within a study area round the onshore ECC options and onshore substation area of search has been developed from the sources described in the paragraph below. Planning consents granted within the last three years, or applications that have been made and have yet to be determined have been considered.
- 29 Given the scale of the onshore components of AyM, this information was collated from the following publicly available data sources:
- PINS website³;
 - Conwy County Borough Council⁹;
 - Denbighshire County Council¹⁰;
 - Isle of Anglesey County Council¹¹;
 - Flintshire County Council¹²; and
 - Gwynedd Council¹³.
- 30 The CEA longlist for onshore projects is presented in Appendix A of this document. All onshore projects, plans and activities considered based on the Zol criteria listed in Table 4.3 are presented in Figure 6. The longlist comprises planning consents that have been granted within the last three years (including NSIP projects) or applications that have been made and have yet to be determined within the local authority areas of Conwy, Denbighshire, the Isle of Anglesey, Flintshire and Gwynedd.

Table 4.3: Onshore longlist Zols.

⁹ <https://npe.conwy.gov.uk/Northgate/EnglishPlanningExplorer>

¹⁰ <https://planning.denbighshire.gov.uk/planning/search-applications>

¹¹ <https://ioacc.force.com/s/>

¹² https://digital.flintshire.gov.uk/FCC_Planning/

¹³ <https://amg.gwynedd.llyw.cymru/planning/>

Type of project or activity	ZoI criteria	Rationale
Energy generation infrastructure	Installations larger than domestic scale within the local authority areas described above.	The five local authority areas are considered to represent the realistic worst-case scenario over which cumulative effects are likely to occur. Since the selection of a single onshore route, the onshore aspects of the scheme are located entirely within Denbighshire, but the five local authority areas have been retained as the ZoI rationale for completeness.
Building/housing developments	Developments of more than five dwellings/units within the local authority areas described above.	
Roads	Major or main road installation or upgrade within the local authority areas described above.	
Cable and pipelines	Major cable and pipeline installations and upgrades within the local authority areas described above.	
National Grid enabling works	Any works within the local authority areas described above.	
Coastal protection works	Any works within the local authority areas described above.	

4.2.2 Tiered approach

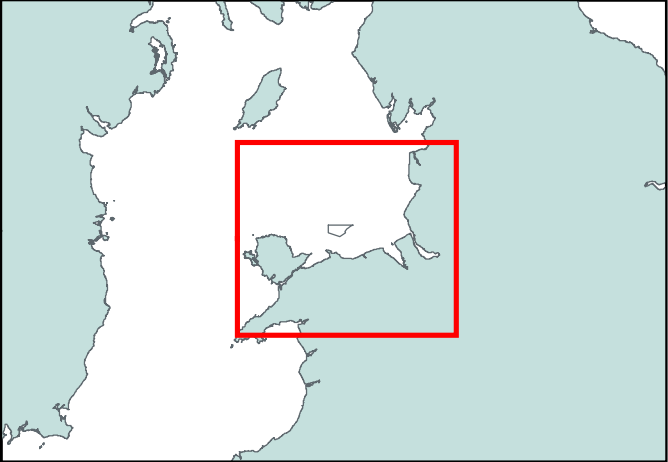
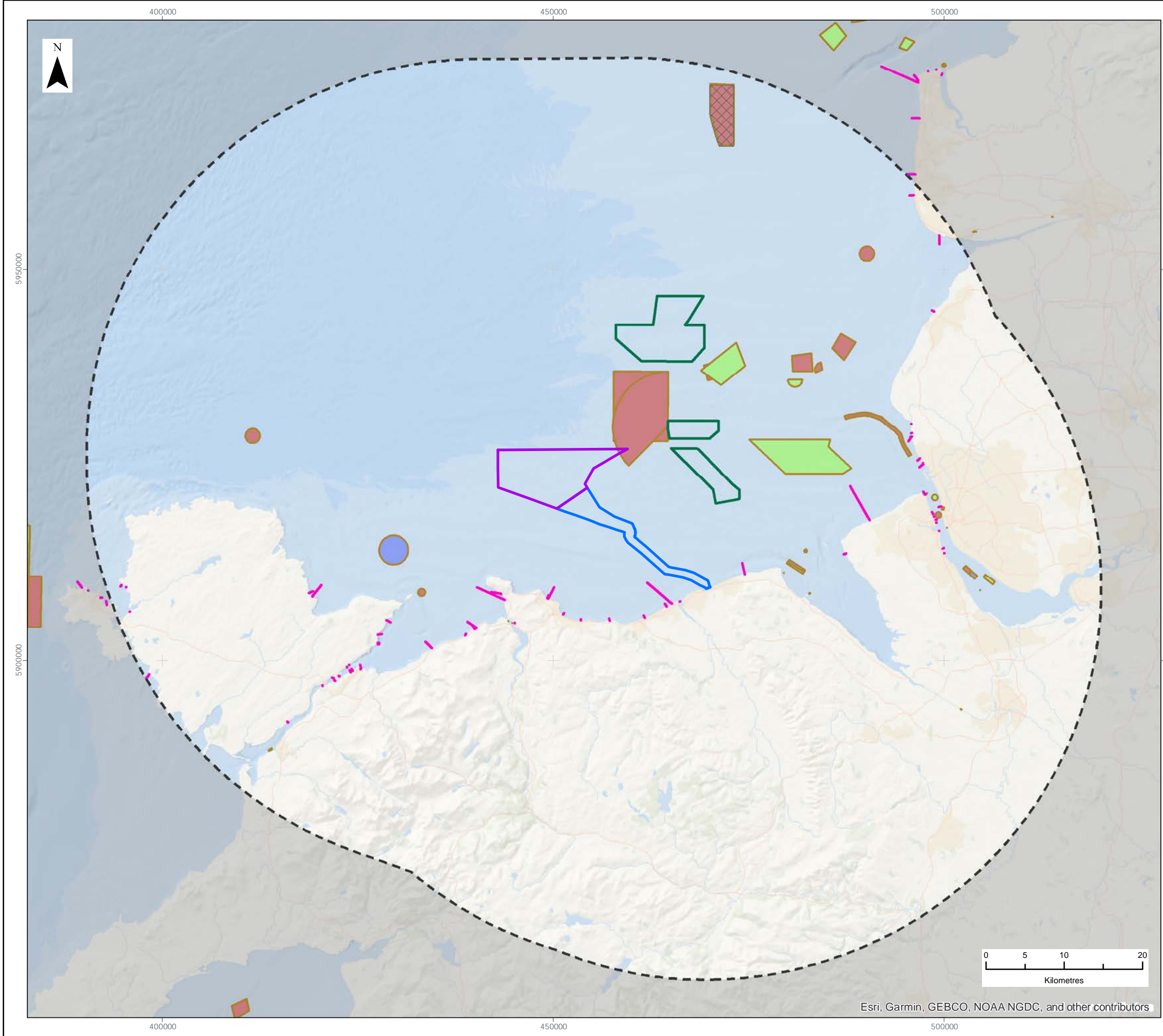
- 31 In assessing the potential cumulative impacts for AyM, it is important to bear in mind that projects, predominately currently ‘proposed’, may or may not be, ultimately, taken forward for development. Therefore, there is a need to build in some consideration of certainty (or uncertainty) with respect to the potential impacts which might arise from such proposals, in line with the approach set out by PINS in Advice Note 17. For example, projects which are already under construction are more likely to contribute to cumulative effects than those development applications that are not yet submitted.
- 32 For these reasons, all the relevant longlist plans and projects were allocated into ‘Tiers’, reflecting their current status within the planning and development process. This enabled the cumulative impact assessment to present several scenarios, reflecting the varying levels of certainty of an activity proceeding and therefore the potential for impacts to arise that might act cumulatively with the impacts arising from AyM. When examining the potential cumulative effects of AyM, appropriate weight has been given to each scenario (Tier) in the decision-making process.

- 33 In accordance with PINS Advice Note 17, the proposed tiering structure is described in Table 4.4. The Tiers are listed in descending order of level of detail likely to be available (and, correspondingly, certainty of effects arising). It is noted in PINS Advice Note 17 that where other projects are expected to be completed before the construction of the proposed NSIP and the effects of those projects are fully determined, effects arising from them should be considered as part of the baseline and have been considered as part of assessment in the construction and operational phase (noting that the assessment should clearly distinguish between projects forming part of the baseline and those in the CEA).
- 34 It is important to note that this tiering methodology is generally applied across the ES. Certain topics may employ their own bespoke tiering methodology where greater precision on certainty is required, or where specific best practice guidance so dictates. Where this is the case, it is clearly described within the topic specific ES chapter.

Table 4.4: Description of Tiers of other developments considered for CEA¹⁴.

Tiers	Development Stage
Tier 1	Projects under construction.
	Permitted applications, whether under the Planning Act 2008 or other regimes, but not yet implemented.
	Submitted applications, whether under the Planning Act 2008 or other regimes, but not yet determined.
Tier 2	Projects on the Planning Inspectorate's Programme of Projects where a Scoping Report has been submitted.
Tier 3	Projects on the Planning Inspectorate's Programme of Projects where a Scoping Report has not been submitted.
	Identified in the relevant Development Plan (and emerging Development Plans with appropriate weight being given as they move closer to adoption) recognising that much information on any relevant proposals will be limited.
	Identified in other plans and programmes (as appropriate) which set the framework for future development consents/ approvals, where such development is reasonably likely to come forward.

¹⁴ Tier descriptions adapted from PINS Advice Note 17.



LEGEND

- Array Area
- Offshore Export Cable Corridor
- 50km Buffer from Array Area and ECC
- Outfall Pipe
- Aggregate Area
- Natural Gas Storage Option for Lease
- Disposal Site (Status)
 - Open Disposal Site
 - Closed Disposal Site
 - Disused Disposal Site

Data Source:
Marine Themes data from Oceanwise, Disposal Sites data from CEFA5,
Aggregates data from The Crown Estate

PROJECT TITLE:
AWEL Y MÔR OFFSHORE WINDFARM

FIGURE TITLE: Offshore Aggregates,
Outfall Pipes and Disposal Sites

VER	DATE	REMARKS	Drawn	Checked
1	17/03/2021	For Issue for PEIR	BPHB	RM
2	17/01/2022	For Issue For ES	BPHB	RM

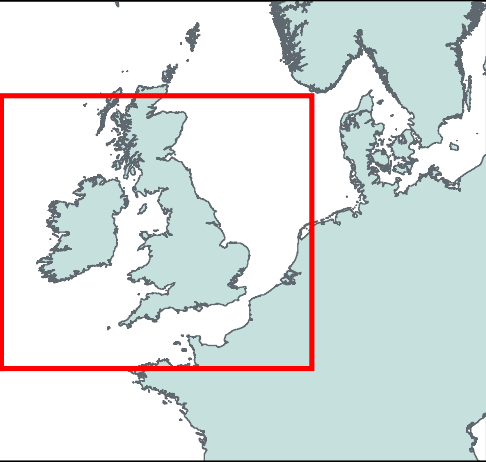
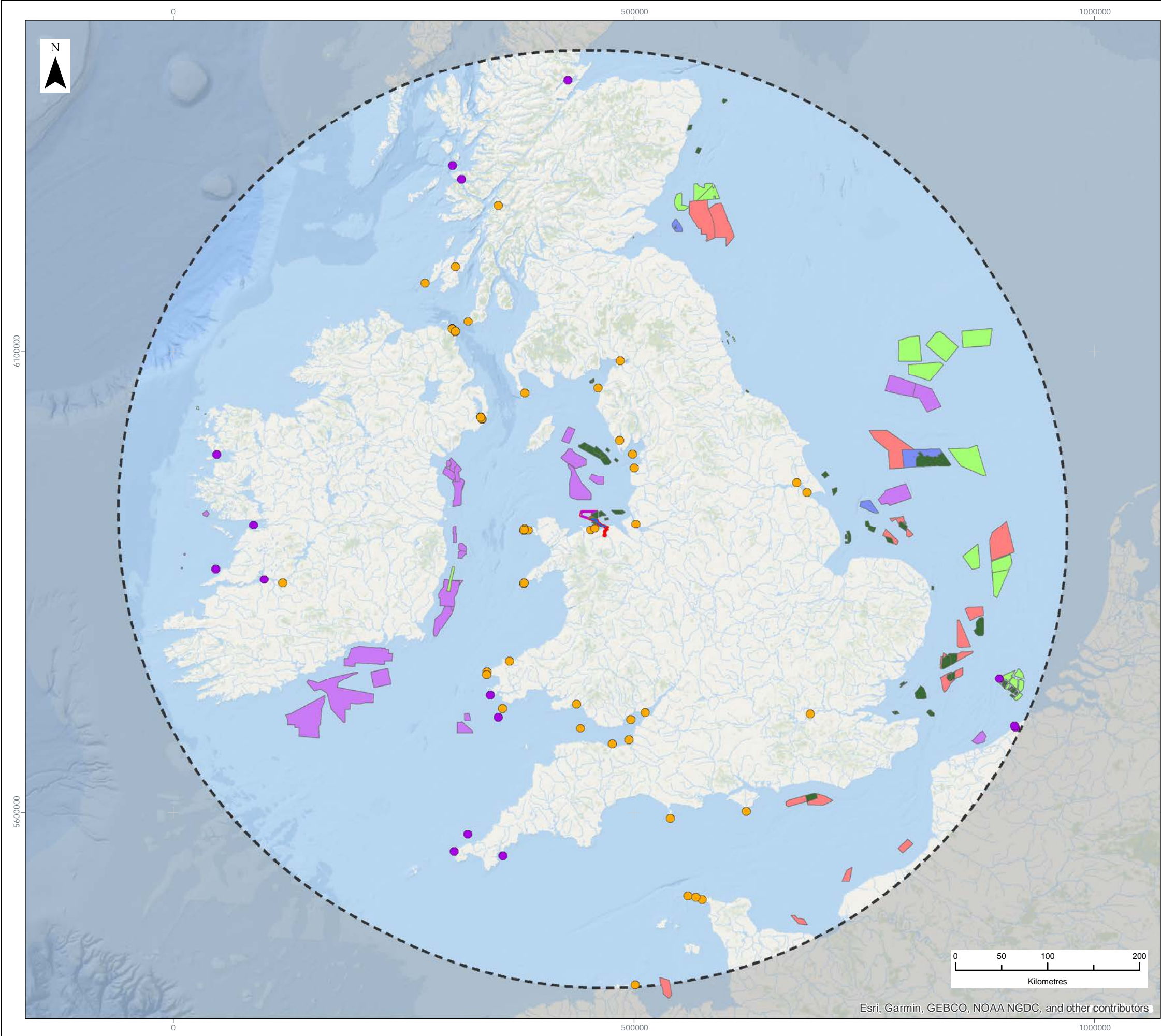
FIGURE NUMBER:
Figure 1

SCALE: 1:500,000	PLOT SIZE: A3	DATUM: WGS84	PROJECTION: UTM30N
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Fferm Wynt Alltraeth

AWEL Y MÔR

Offshore Wind Farm



LEGEND

- Order Limits
- Array Area
- Offshore Export Cable Corridor
- Other Wind Farm Infrastructure Zone
- GyM Interlink Zone
- Tidal Projects
- Wave Projects

Offshore Wind Farm (Status)

- Operational
- Under Construction
- Consented
- In Planning
- Concept/Early Planning

Data Source:
Tidal and Wave Projects from The Crown Estate and EMODnet,
Wind Farm data from The Crown Estate and EMODnet.

PROJECT TITLE:
AWEL Y MÔR OFFSHORE WINDFARM

FIGURE TITLE: Offshore Renewable Energy
(Offshore Wind, Wave and Tidal)

VER	DATE	REMARKS	Drawn	Checked
1	17/03/2021	For Issue for PEIR	BPHB	RM
2	21/03/2022	For Issue For ES	BPHB	RM

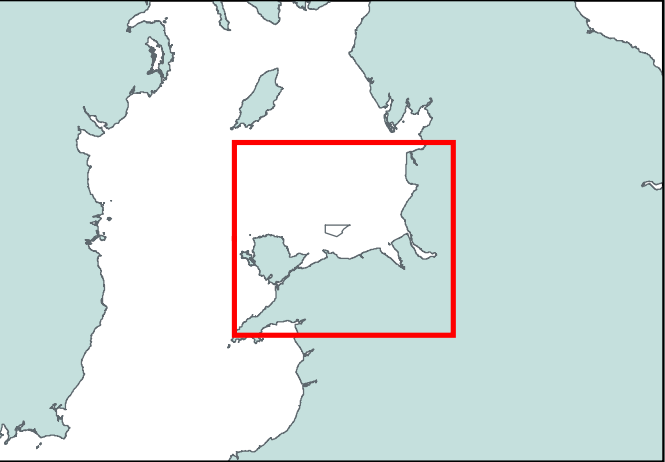
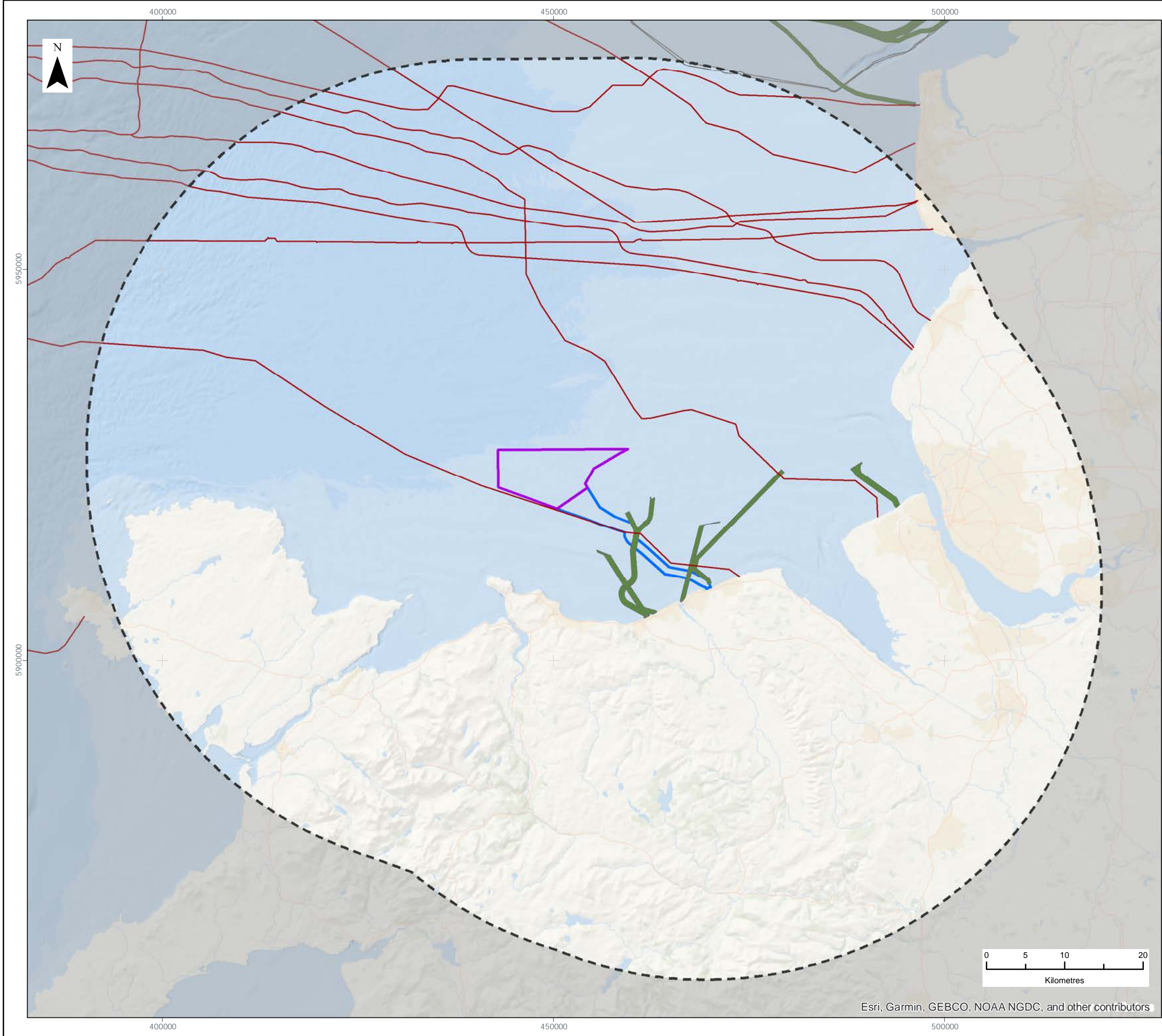
FIGURE NUMBER:
Figure 2

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Fferm Wynt Alltraeth

AWEL Y MÔR

Offshore Wind Farm



LEGEND

- Array Area
- Offshore Export Cable Corridor
- 50km Buffer from Array Area and ECC
- Subsea Cables
- Active/In Operation OWF Cables

Data Source:
Subsea Cables Data from KIS Orca EMODnet © EMODnet - Human Activities.
Wind Export Cables from The Crown Estate © Crown Copyright

PROJECT TITLE:
AWEL Y MÔR OFFSHORE WINDFARM

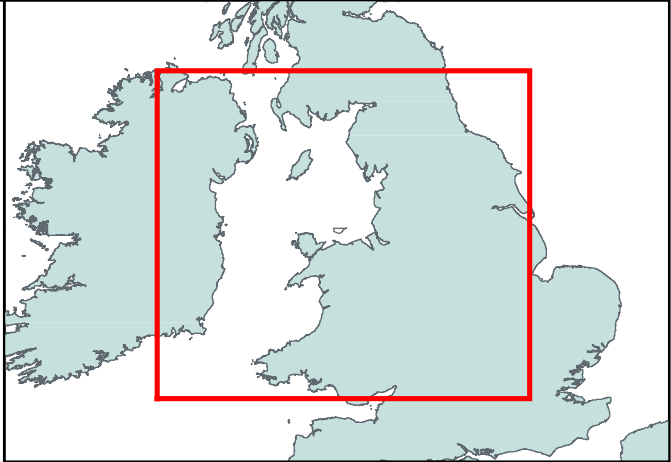
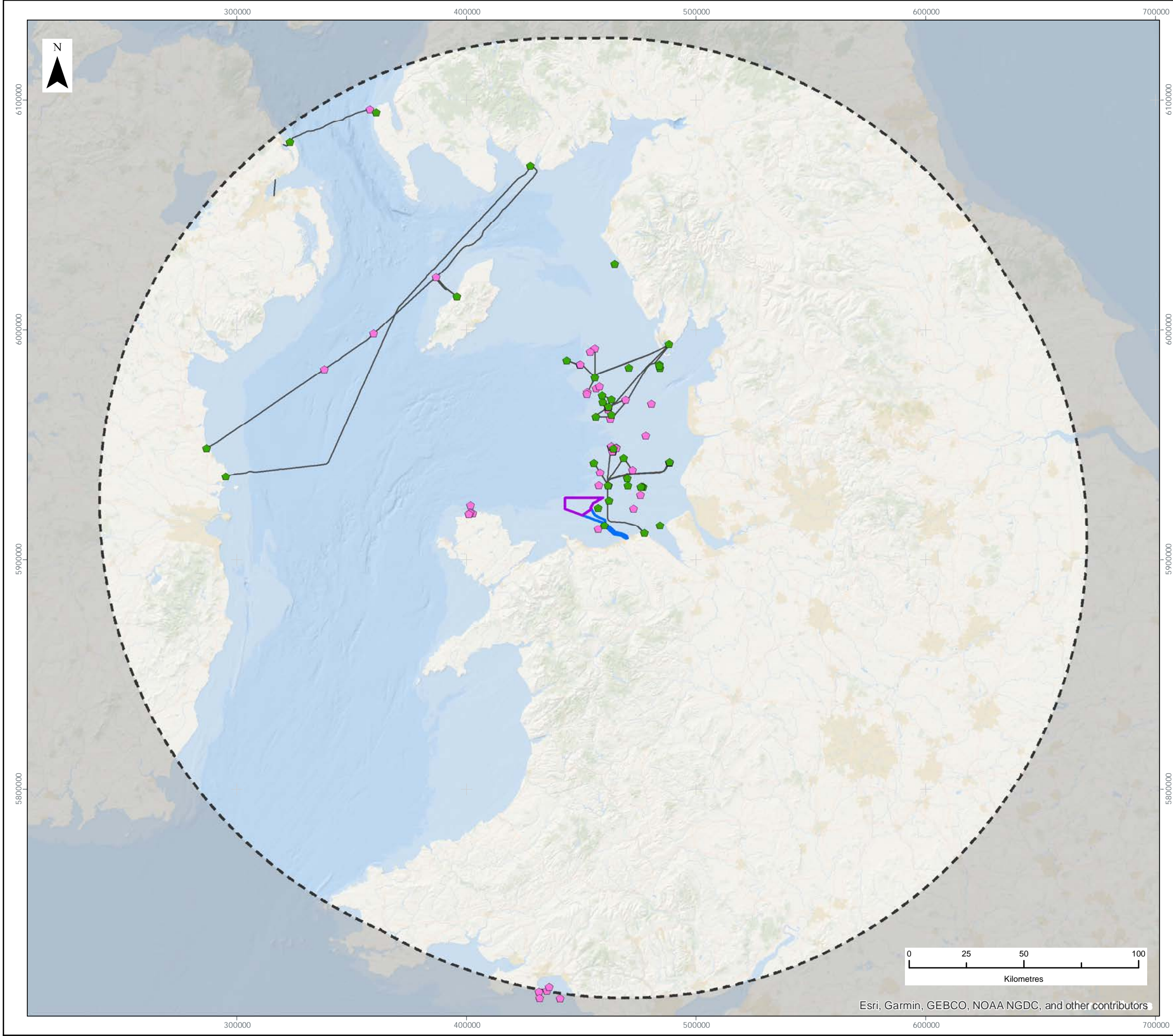
FIGURE TITLE:
Offshore Cables

VER	DATE	REMARKS	Drawn	Checked
1	17/03/2021	For Issue for PEIR	BPHB	RM
2	21/03/2022	For Issue For ES	BPHB	RM

FIGURE NUMBER:
Figure 3

SCALE: 1:500,000	PLOT SIZE: A3	DATUM: WGS84	PROJECTION: UTM30N
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Fferm Wynt Alltraeth
AWEL Y MÔR
Offshore Wind Farm



- LEGEND
- Array Area
 - Offshore Export Cable Corridor
 - 200km Buffer from Array Area and ECC
 - Oil and Gas Surface Features
 - Oil and Gas Subsurface Features
 - Oil and Gas Pipelines

Data Source:
Oil and Gas data from the Oil and Gas Authority (OGA).

PROJECT TITLE:
AWEL Y MÔR OFFSHORE WINDFARM

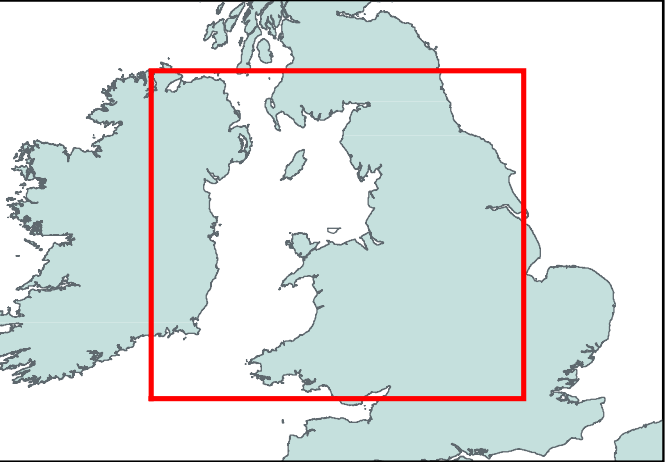
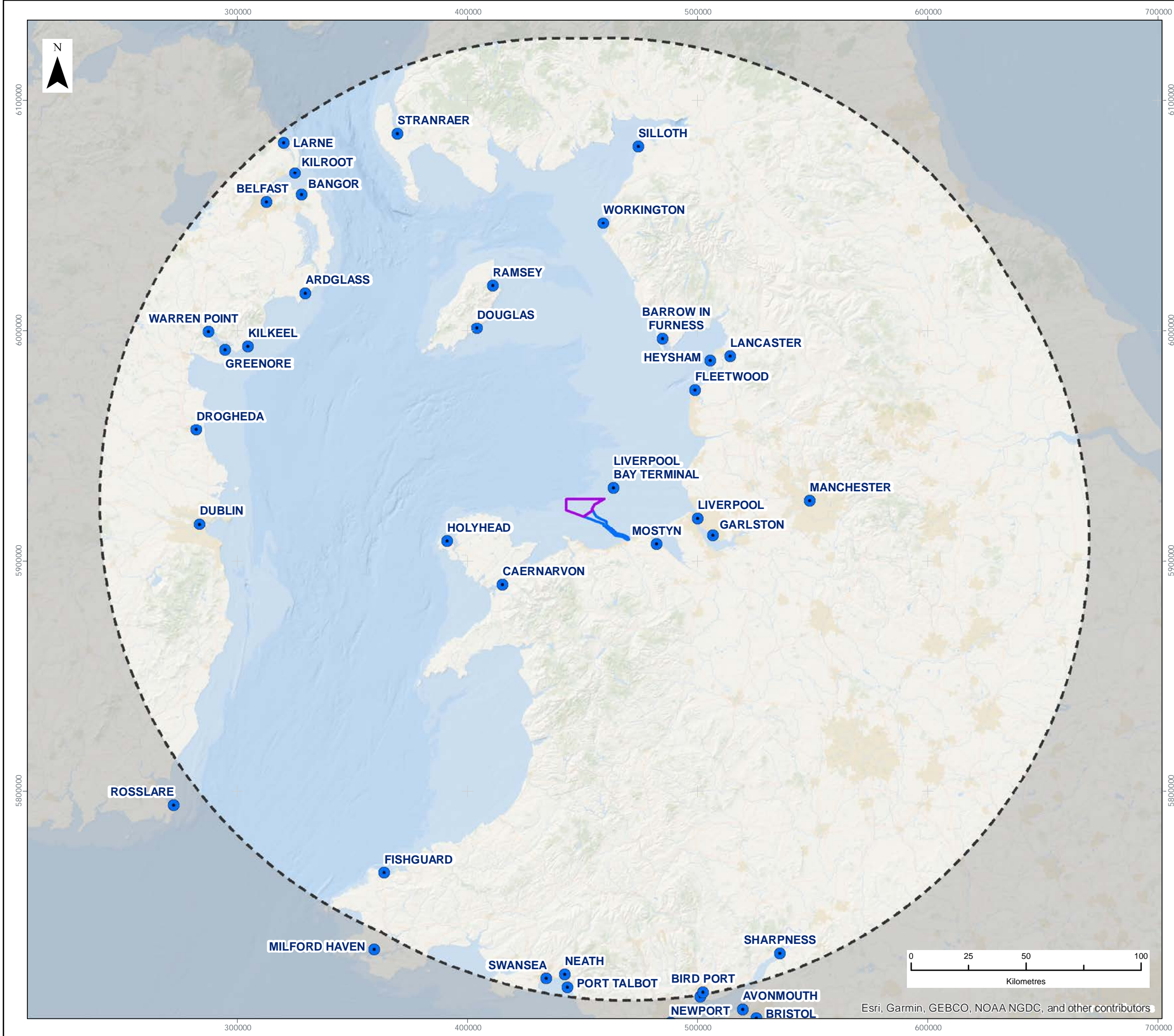
FIGURE TITLE:
Offshore Oil and Gas

VER	DATE	REMARKS	Drawn	Checked
1	17/03/2021	For Issue for PEIR	BPHB	RM
2	21/03/2022	For Issue For ES	BPHB	RM

FIGURE NUMBER:
Figure 4

SCALE: 1:1,700,000 PLOT SIZE: A3 DATUM: WGS84 PROJECTION: UTM30N

Fferm Wynt Alltraeth
AWEL Y MÔR
Offshore Wind Farm



LEGEND

- Array Area
- Offshore Export Cable Corridor
- 200km Buffer from Array Area and ECC
- Shipping Port

Data Source:
Port locations from World Ports Index.

PROJECT TITLE:
AWEL Y MÔR OFFSHORE WINDFARM

FIGURE TITLE:
Shipping Ports

VER	DATE	REMARKS	Drawn	Checked
1	17/03/2021	For Issue for PEIR	BPHB	RM
2	21/03/2022	For Issue For ES	BPHB	RM

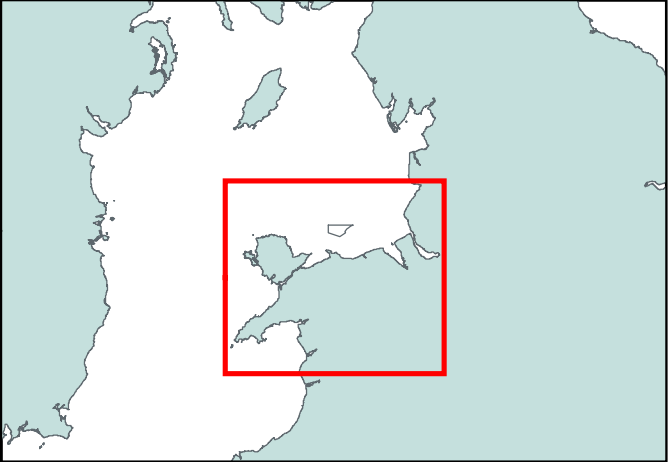
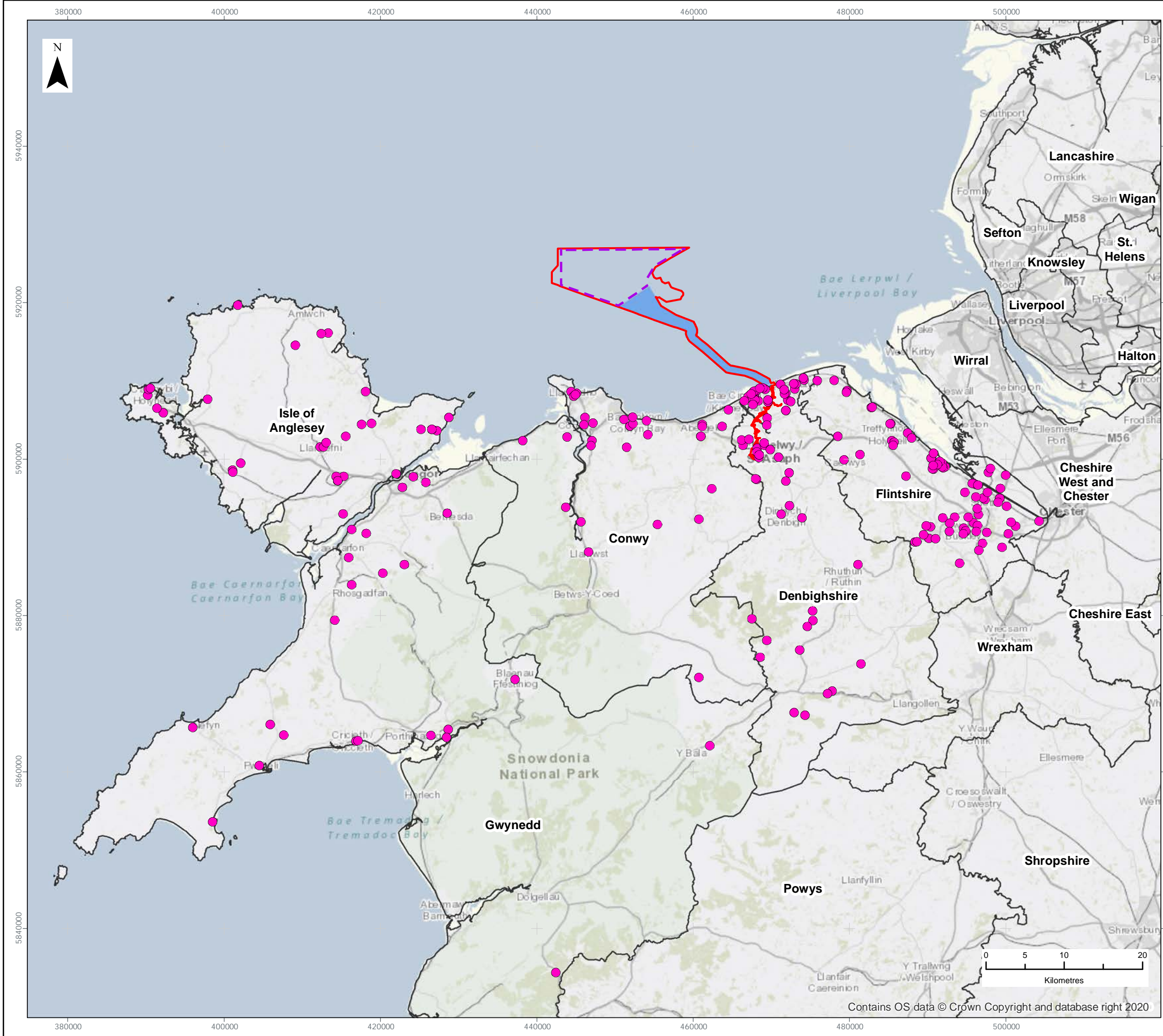
FIGURE NUMBER:
Figure 5

SCALE:	1:1,700,000	PLOT SIZE:	A3	DATUM:	WGS84	PROJECTION:	UTM30N
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Fferm Wynt Alltraeth

AWEL Y MÔR

Offshore Wind Farm



LEGEND

- Order Limits
- Array Area
- Offshore Export Cable Corridor
- Onshore Planning Applications

Data Source:

PROJECT TITLE:
AWEL Y MÔR OFFSHORE WINDFARM

FIGURE TITLE:
Onshore Cumulative Projects

VER	DATE	REMARKS	Drawn	Checked
1	17/03/2021	For Issue for PEIR	BPHB	RM
2	21/03/2022	For Issue For ES	BPHB	RM

FIGURE NUMBER:
Figure 6

SCALE: 1:500,000	PLOT SIZE: A3	DATUM: WGS84	PROJECTION: UTM30N
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4.3 Stage 2

Screening of longlist – interactions

35 Once the AyM CEA longlist had been finalised, all projects, plans and activities were then screened based on whether there is a conceptual impact-receptor pathway for effect. The Stage 2 exercise screened the longlist in terms of whether the project, plan or activity is considered to be part of the existing baseline environment or not. Existing projects that have ongoing effects have also been screened in. The next steps included whether there was the potential for temporal overlap (i.e. activities occurring concurrently), spatial overlap (i.e. activities occurring within a certain distance from one another), but also the level of confidence in the data and detail that was publicly available. This Stage 2 screening produced EIA topic-specific shortlists of projects to be considered and refined further within the CEA as part of each ES chapter. Table 4.5 provides definitions of some of the screening criteria that were applied.

Table 4.5: Definitions of screening criteria.

Term	Criteria
Potential impact-receptor pathway	There is the potential that a pathway exists whereby an impact could have an effect on a receptor. For example, increases to suspended sediment concentration could have an impact on fish and shellfish receptors, but underwater noise could not have an effect on aviation and radar receptors.
Spatial effect interaction	The impacts on a receptor from AyM and one or more other plans/projects have a geographical overlap. For example, underwater noise contours from piling at AyM could overlap with those of another offshore wind farm project, if it is sufficiently close to AyM. If there is no spatial interaction, there is no potential for a cumulative effect.
Temporal effect interaction	The impacts from AyM and one or more other plans/projects have the potential to occur at the same time. If there is no temporal interaction, there is no potential for a cumulative effect.

36 All plans, projects and activities are screened based on the potential impacts of each in combination with AyM, therefore, the plan, project or activity may be screened out for one receptor/ topic of the ES but screened in for another. Those plans, projects and activities that are screened in are then carried forward into the CEA.

- 37 During the screening process, the steps detailed in Table 4.5 were followed in the defined order to allow a clear justification for screening projects in or out. This allowed for the screening out of projects with limited data availability and, as a result, effects that could not be included due to a lack of data, while screening in those that could be considered with the available data.
- 38 Only where there is the potential for both spatial and temporal interaction between effects at AyM and one or more other plans/ projects, has a cumulative impact been taken forward for consideration in the CEA. The screening of the longlist will identify those projects screened in or out for further consideration on the basis of one or more of the preceding criteria into a topic-specific shortlist. The shortlist identifies all the projects, plans, and activities that have the potential to give rise to cumulative effects when considered alongside the worst-case potential impacts arising from AyM but does not identify the differences in impact ranges for different environmental receptors. For example, this exercise treats fish and shellfish as a single receptor group but does not distinguish between different species; this is left for the CEA section of the fish and shellfish ES chapter. Table 4.6 below details these topic-specific screening ranges that have been applied to the longlist.

Table 4.6: Topic-specific screening ranges applied to the longlist.

EIA receptor group	Maximum extent of effect and justification
Physical processes	15 km from the array area and offshore ECC, based on the distance of one tidal excursion ellipse.
Marine water and sediment quality	15 km from the array area and offshore ECC, based on the distance of one tidal excursion ellipse.
Benthic subtidal and intertidal ecology	15 km from the array area and offshore ECC, based on the distance of one tidal excursion ellipse.
Fish and shellfish ecology	50 km from the array area, based on a precautionary impact range from underwater noise. 15 km from the offshore ECC, based on the distance of one tidal excursion ellipse.
Marine mammals	Dependent on the reference population extent, i.e. the Celtic and Irish Seas management unit for harbour porpoise.
Offshore ornithology	Dependent on the maximum foraging range of the bird species in question.
Commercial fisheries	Extent of the relevant fishing grounds.
Shipping and navigation	Based on shipping lanes and available sea room around the relevant components of AyM.
Military and civil aviation	Distance at which disturbance from the AyM array area would interact with that of another development, assumed at this stage to be 45 km.
Seascape, landscape and visual impacts	Based on the maximum extent of the Zone of Theoretical Visibility (ZTV).

EIA receptor group	Maximum extent of effect and justification
Marine archaeology	Dependent on the archaeological receptor in question but as a worst-case, 15 km from the array area and offshore ECC, based on the distance of one tidal excursion ellipse.
Other marine users and activities	Dependent on the receptor in question, in line with the maximum extents for physical processes, fish and shellfish ecology, aviation and tourism and recreation.
Terrestrial ecology and nature conservation	Precautionary 5 km from the onshore ECC and onshore substation area. Distances will vary depending on type of development/the potential impacts anticipated and the ecological receptor that may be affected.
Archaeology and cultural heritage	Agreed to be scoped out in the PINS Scoping Opinion.
Airborne noise and vibration	Precautionary 2 km from the onshore ECC and onshore substation area. Exact distances are to be confirmed by the Zol of anticipated impacts.
Traffic and transport	Schemes of regional significance within Conwy and Denbighshire as agreed with the relevant local authorities. Any proposals outside these areas would not be considered unless the proposal was a significant scheme expected to generate a large number of vehicle movements.
Air quality	<ul style="list-style-type: none"> Construction Dust Assessment (qualitative assessment of potential dust generated by construction activities) <ul style="list-style-type: none"> Construction of any committed development within 700m from the Site Boundary/Location of works. Construction Traffic Emissions Assessment (assessment of additional vehicle trips associated with the construction of the development) <ul style="list-style-type: none"> Where there is a spatial and temporal overlap in terms vehicle movements generated from both the proposed development, and other committed developments (no set distance as this is determined at a transport level).
Hydrology, hydrogeology and flood risk	Based on any surface water catchments and flood risk areas that overlap with the onshore project activities. Exact screening distance to be confirmed.
Geology and ground conditions	Preliminary 500 m buffer from the onshore ECC and 1 km from the onshore substation area. The assessment would also consider a 'sliding scale' in addition to account for potentially significant schemes that are >1km from the site, whilst also discounting small, less obtrusive activities that are <500 m.
Onshore landscape and visual impacts	500 m from the onshore ECC and 5 km from the onshore substation area, considered to be the maximum distance over which the onshore substation would be visible and the distance over which cumulative effects could occur.
Socioeconomics	Schemes of regional significance as agreed with the relevant local authorities.

EIA receptor group	Maximum extent of effect and justification
Tourism and recreation	Dependent on the receptor in question, but in line with the maximum extents for seascape and landscape impacts and socioeconomics.
Public health	2 km from the onshore ECC and onshore substation area. Final distances are to be confirmed but will be informed by the airborne noise and vibration and air quality assessments.

39 These topic-specific ranges have been applied to the longlist, to identify relevant shortlist plan, projects and/ or activities to be taken forward to the topic-specific CEA presented in each ES chapter. These are described within Appendix A, and a summary of the shortlist tables are presented in each of the ES chapters.

40 The process for screening the longlist into a series of topic-specific shortlists is summarised in Table 4.7.

Table 4.7: CEA longlist screening criteria.

Screening criteria	Screening assessment	Conclusion
Step 1 – Conceptual impact-receptor pathway		
Does a conceptual cumulative impact-receptor pathway exist?	No conceptual cumulative impact-receptor pathway for effect.	Screened out.
	Yes, impact(s) from the project, plan or activity could theoretically interact to produce a cumulative effect.	Proceed to step 2.
Step 2 – Baseline environment		
Is the project, plan or activity part of the existing baseline environment?	Yes.	Screened out.
	Yes, but has an ongoing effect that is not considered part of the baseline environment.	Proceed to step 3.
	No – project, plan or activity is currently in planning and therefore cannot be considered as part of the existing environment.	
Step 3 – Data confidence		
What is the level of confidence in the data available?	Low – a meaningful assessment cannot be undertaken.	Screened out.
	Medium or high – enough data is available for the project, plan or activity to enable a meaningful assessment to be undertaken, either quantitatively or qualitatively.	Proceed to step 4.
Step 4 – Spatial effect interaction		
Is there physical effect-receptor overlap? (see screening ranges applied in Table 4.6).	No, the project, plan or activity is sufficiently distant from AyM such that there is no geographical overlap of their maximum impact extents.	Screened out.

Screening criteria	Screening assessment	Conclusion
	Yes, impacts on a receptor from AyM together with other plans, projects and activities overlap geographically.	Proceed to step 5.
<i>Step 5 – Temporal effect interaction</i>		
Is there a temporal overlap of potential effects?	No, the project, plan or activities will not occur at the same time as the relevant phase of AyM (i.e. construction or operation and maintenance) and therefore there is no potential for a cumulative effect.	Screened out.
	Yes, the project, plan or activity is anticipated to occur concurrently with the relevant phase of AyM.	Screened in – potential for cumulative effect exists.

4.4 Stages 3 and 4

- 41 The next stage (Stage 3) of the CEA included gathering information on the projects, plans and activities screened in so that a meaningful assessment can be undertaken. Such information included public sources such as ESs and associated planning application documents, project websites and, where such information was not readily accessible, industry consultation with the developers and operators of the schemes, as well as regulators and local authorities in order to gather the most accurate and up to date project information.
- 42 Information gathered on the projects, plans and activities screened in have been collated and input into Stage 4 of the CEA, which has been carried out on a topic-by-topic basis within the CEA section of the relevant ES chapter.
- 43 In terms of the scope of impacts that have been assessed within the CEA, these were the same impacts assessed for the project alone in the main EIA assessments. Any effect that has been concluded to be of negligible or neutral significance (in EIA terms) for the project alone, would make no material contribution to any potential cumulative effect, and was therefore scoped out of the CEA. Effects of greater than negligible significance for the project alone have been considered cumulatively.

5 References

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APPENDIX A – CEA Longlist

RWE Renewables UK Limited
Awel y Môr Offshore Wind Farm

Project Number: 01-41

Date: August 2021

Revision: 1.0 (external)

	No data
	Concept/In Planning/Consenting/Pre-Construction
	Construction
	Operation and Maintenance
	Decommissioning

a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact assessment: Screened in to assessment.
c	Potential cumulative impact exists: Screened in to assessment.
d	No conceptual effect-receptor pathway: Screened out of assessment.
e	Low data confidence: Screened out of assessment.
f	No physical effect-receptor overlap: Screened out of assessment.
g	No temporal overlap: Screened out of assessment.

"Offshore Cumulative Effects Assessment Matrix -
Data Sources"



Offshore Cumulative Effects Assessment Matrix -
Data Sources



Data	Data Source	Date
Aggregate Production Area	The Crown Estate	Jan-22
Disposal Sites	CEFAS	Mar-21
Outfall	Marine Themes Data Product (OceanWise)	Dec-19
Natural Gas	The Crown Estate	Mar-21
O&G Surface Features	O&G Authority	Aug-20
O&G Subsurface Features	O&G Authority	Aug-20
O&G Pipelines	O&G Authority	Aug-20
Ports	World Ports Index (WPI)	Aug-20
Subsea Cables	KISORCA	Mar-21
OWF Export Cables	The Crown Estate	Jan-22
Offshore Wave Site Agreements	The Crown Estate	Mar-21
Offshore Tidal Site Agreements	The Crown Estate	Mar-21
Offshore Wind Farms (England/Wales)	The Crown Estate	Jan-22
Offshore Wind Farms (Scotland)	Crown Estate Scotland	Jan-22
Offshore Wind Farms (Europe)	EMODnet	Jan-22
Onshore schemes	Local authority planning portals	Jan-22

"Offshore Cumulative Effects Assessment Matrix -
Screening Ranges"



Project type	Screening Range (km)
Aggregates and Disposal	50
Offshore Energy	500
Commercial Fisheries	200
Cables and Pipelines	50
Oil and Gas	200
Shipping	200
Military, Aviation and Radar	200
Coastal	200
Onshore	N/A (LPA boundaries)

Offshore Cumulative Effects Assessment Matrix -
Screening Ranges



[illegible]

[illegible]

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awe! y Mór offshore construction period)												Distance from the Awe! y Mór O&W array area (km)	Distance from the Awe! y Mór Offshore Export Cable Route (km)	Distance to the Aym Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascapes, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Use and Activities	
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050																
United Kingdom																																
Gwyn! y Mór OFO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													5.8	0.0	16.6													
rhyl Flats	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													7.3	2.7	14.9													
North Hoyle	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													13.4	0.0	26.1													
Burbo Bank Extension OFO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													15.8	0.0	26.7													
Burbo Bank	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													28.6	23.1	45.0													
Walney Extension Transmission Asset	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													49.6	55.4	56.4													
Walney 2 OFO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													53.7	60.6	65.1													
West of Duddon Sands OFO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													57.8	63.9	65.6													
Barrow OFO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													59.4	66.0	69.2													
Ormonde OFO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													60.2	66.8	70.1													
Walney 1 OFO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active													60.5	66.6	68.0													
Geo-Grid (East West Interconnector)	TeleGeography: KSORCA	Medium - Third party project details published in the public domain but not confirmed as being accurate'	Interconnector	Active													0.2	0.0	0.5													
Western HVDC Link	TeleGeography: KSORCA	Medium - Third party project details published in the public domain but not confirmed as being accurate'	Telecommunication Cable	Active													4.3	11.2	18.0													
ESAT- 2	TeleGeography: KSORCA, EMODnet	Medium - Third party project details published in the public domain but not confirmed as being accurate'	Telecommunication Cable	Active													23.6	28.8	26.6													
GTT Atlantic (Hibernia 'C')	TeleGeography: KSORCA, EMODnet	Medium - Third party project details published in the public domain but not confirmed as being accurate'	Telecommunication Cable	Active													24.9	30.5	31.3													
Sirius South	TeleGeography: KSORCA, EMODnet	Medium - Third party project details published in the public domain but not confirmed as being accurate'	Telecommunication Cable	Active													26.5	31.4	28.3													
Havfingden / CelticConnect-2 (CC-2)	TeleGeography: Dgilsred	Medium - Third party project details published in the public domain but not confirmed as being accurate'	Telecommunication Cable	Under Construction													27.9	33.6	32.9													
Laris -1	TeleGeography: KSORCA, EMODnet	Medium - Third party project details published in the public domain but not confirmed as being accurate'	Telecommunication Cable	Active													29.0	34.4	25.6													
GTT Atlantic (Hibernia 'A')	TeleGeography: KSORCA, EMODnet	Medium - Third party project details published in the public domain but not confirmed as being accurate'	Telecommunication Cable	Active													32.0	38.8	39.1													

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Areal y Mór offshore construction period)																Distance from the Aweil y Mór OWF array area (km)	Distance from the Aweil y Mór Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Flora and Fauna and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050																			
E-LLAN	TeleGeography: EISORCA; EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Telecommunication Cable Manx Electricity Authority	Active													42.0	48.8	51.0	f	f	f	f	f	f	f	f	f	f	b	f				
Rockabill	TeleGeography: EMODNet; Digitised	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Telecommunication Cable euleNetworks	Active													43.2	48.2	45.7	f	f	f	f	f	f	f	f	f	f	b	f				
CelticConnect-1 (CC-1)(BT-TT1)	TeleGeography: EISORCA	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Telecommunication Cable Aqua Comms	Active													55.4	61.9	54.6	f	f	f	f	f	f	f	f	f	f	b	f				
DD-POA Gas Export	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Gas)	Active													2.0	1.4	20.3	f	b	b	b	f	f	f	f	f	f	b	f				
POA-DD Methanol	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Methanol)	Active													2.0	1.4	20.4	f	b	b	b	f	f	f	f	f	f	b	f				
POA-DD Condensate	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Condensate)	Active													2.0	1.4	20.4	f	b	b	b	f	f	f	f	f	f	b	f				
Convey to Douglas Oil Export	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline tailwind (Oil)	Active													5.6	12.5	20.9	f	f	b	f	f	f	f	f	f	f	b	f				
Douglas to Convey Condensate Injection	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline tailwind (Condensate)	Active													5.6	12.5	20.9	f	f	b	f	f	f	f	f	f	f	b	f				
Douglas to Convey Water Injection	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline tailwind (Water)	Abandoned													5.6	12.5	20.9	g	g	g	g	g	g	g	g	g	f	g	g				
Douglas to Convey Umbilical	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline tailwind (Fibre)	Active													5.6	12.5	20.9	f	f	b	f	f	f	f	f	f	f	b	f				
Douglas to CACIM	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Oil)	Active													5.6	12.5	21.9	f	f	b	f	f	f	f	f	f	f	b	f				
Hamilton to Douglas Gas Line	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Gas)	Active													5.6	12.5	22.0	f	f	b	f	f	f	f	f	f	f	b	f				
Hamilton North to Douglas Gas Line	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Gas)	Active													5.7	12.5	21.9	f	f	b	f	f	f	f	f	f	f	b	f				
Douglas to Hamilton North	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Chemical)	Active													5.7	12.5	21.9	f	f	b	f	f	f	f	f	f	f	b	f				
Douglas to Lennox Gas Line (PL1036A)	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Gas)	Active													5.7	12.6	22.1	f	f	b	f	f	f	f	f	f	f	b	f				
Lennox to Douglas Gas Line	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Gas)	Active													5.7	12.5	22.0	f	f	b	f	f	f	f	f	f	f	b	f				
Lennox to Douglas Oil Line	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Oil)	Not in Use													5.7	12.6	22.0	g	g	g	g	g	g	g	g	g	f	g	g				
Douglas to Lennox Chemical Line (PL1037)	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Chemical)	Active													5.7	12.6	22.0	f	f	b	f	f	f	f	f	f	f	b	f				
Douglas to Hamilton	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Chemical)	Active													5.8	12.6	22.1	f	f	b	f	f	f	f	f	f	f	b	f				
Douglas to Lennox Gas Line (PL1036)	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Gas)	Not in Use													5.8	12.6	22.0	g	g	g	g	g	g	g	g	g	f	g	g				
Douglas to Lennox Chemical Line (PL1038)	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Chemical)	Active													5.8	12.6	22.0	f	f	b	f	f	f	f	f	f	f	b	f				
Hamilton East Umbilical	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Condensate)	Active													17.4	24.5	33.0	f	f	f	f	f	f	f	f	f	f	b	f				

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awel y Môr onshore construction period)										Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the Aylm Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Uses and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029															
Hamilton East Pipeline	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Gas)	Active										17.4	24.6	33.0	f	f	f	f	f	f	f	f	f	b	f	f	
OSI Anchor Cable 4	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active										20.5	26.7	30.9	f	f	f	f	f	f	f	f	f	b	f	f	
OSI Anchor Cable 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active										20.5	26.7	30.8	f	f	f	f	f	f	f	f	f	b	f	f	
OSI Anchor Cable 6	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active										20.5	26.7	30.8	f	f	f	f	f	f	f	f	f	b	f	f	
OSI Anchor Cable 3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active										21.8	28.0	31.9	f	f	f	f	f	f	f	f	f	b	f	f	
OSI Anchor Cable 1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active										21.8	28.0	31.9	f	f	f	f	f	f	f	f	f	b	f	f	
OSI Anchor Cable 2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active										21.8	28.0	31.9	f	f	f	f	f	f	f	f	f	b	f	f	
OSI Anchor Cable 8	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active										21.8	28.0	31.9	f	f	f	f	f	f	f	f	f	b	f	f	
OSI Anchor Cable 7	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Methanol)	Active										21.8	28.0	31.8	f	f	f	f	f	f	f	f	f	b	f	f	
OSI Anchor Cable 9	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Condensate)	Active										21.8	28.0	31.9	f	f	f	f	f	f	f	f	f	b	f	f	
Rivers Onshore Terminal to Calder	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Chrysaor (Chemical)	Active										35.2	40.3	38.9	f	f	f	f	f	f	f	f	f	b	f	f	
Calder to Rivers Onshore Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Chrysaor (Gas)	Active										35.2	40.3	38.9	f	f	f	f	f	f	f	f	f	b	f	f	
Calder to CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Chrysaor	Active										35.3	40.2	38.8	f	f	f	f	f	f	f	f	f	b	f	f	
Morecambe CPP1 to DP3 Electric	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy (Condensate)	Not in Use										36.3	42.0	42.8	g	g	g	g	g	g	g	g	g	g	g	g	
Morecambe DP3 to CPP1 Electric	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy (Condensate)	Not in Use										36.3	42.0	42.8	g	g	g	g	g	g	g	g	g	g	g	g	
Morecambe CPP1 to DP3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy	Decommission										36.3	42.0	42.8	g	g	g	g	g	g	g	g	g	g	g	g	
Morecambe DP3 to CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy (Gas)	Decommission										36.4	42.0	42.8	g	g	g	g	g	g	g	g	g	g	g	g	
Morecambe CPP1 to DP3 Electric - 2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy	Decommission										36.4	42.1	42.9	g	g	g	g	g	g	g	g	g	g	g	g	
Morecambe DP6 to CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy (Gas)	Active										39.6	45.0	45.0	f	f	f	f	f	f	f	f	f	b	f	f	
Morecambe DP4 to CPP1 Electric	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy (Condensate)	Decommission										39.6	45.1	45.0	g	g	g	g	g	g	g	g	g	g	g	g	
Morecambe CPP1 to DP6	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy	Active										39.6	45.1	45.0	f	f	f	f	f	f	f	f	f	b	f	f	
Morecambe CPP1 to DP4	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy	Decommission										39.6	45.1	45.0	g	g	g	g	g	g	g	g	g	g	g	g	

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Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awei y Mor offshore construction period)												Distance from the Awei y Mor OWF array area (km)	Distance from the Awei y Mor Offshore Export Cable Route (km)	Distance to the Aylm Other Onshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Soil and Terrestrial Ecology	Marine Mammals	Other Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascapes, Landscapes and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050														
United Kingdom																														
Fishing Rights	Industry information; Cefas	High - Third party details published in the public domain and confirmed as being 'accurate' by Cefas.		Ongoing											N/A	N/A	N/A	f	f	f	f	f	f	f	d	b	f			
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Conwy - Morfa, Gamlwys and Green Island	Ongoing											13.9	14.1	15.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Conwy - Scabs and Caer Conwy	Ongoing											14.5	14.8	15.3	f	f	f	f	f	f	d	b	f				
Aquaculture - Mussels (Class 2)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Conwy - Conwy Bridge	Ongoing											15.9	15.9	17.9	f	f	f	f	f	f	d	b	f				
Aquaculture - Cockles (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Anghwy Red Wharf Bay - All Beds	Ongoing											21.4	23.4	21.3	f	f	f	f	f	f	d	b	f				
Aquaculture - Cockles (Class 2)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Menzai Strait East - Llanvan West	Ongoing											22.9	28.0	22.4	f	f	f	f	f	f	d	b	f				
Aquaculture - Cockles (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Menzai Strait East - Llanvan West	Ongoing											23.7	26.4	23.5	f	f	f	f	f	f	d	b	f				
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Menzai Strait East - Bangor, Gallows, Horses, Gann	Ongoing											24.8	28.3	24.4	f	f	f	f	f	f	d	b	f				
Aquaculture - Cockles (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Salisbury	Ongoing											26.5	11.5	39.7	f	f	f	f	f	f	d	b	f				
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Salisbury	Ongoing											26.5	11.5	39.7	f	f	f	f	f	f	d	b	f				
Aquaculture - Cockles (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - West Kirby	Ongoing											28.0	15.3	42.5	f	f	f	f	f	f	d	b	f				
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - West Kirby	Ongoing											28.0	15.3	42.5	f	f	f	f	f	f	d	b	f				
Aquaculture - Cockles (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Caldy Blacks	Ongoing											31.7	16.7	45.3	f	f	f	f	f	f	d	b	f				
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Caldy Blacks	Ongoing											31.7	16.7	45.3	f	f	f	f	f	f	d	b	f				
Aquaculture - Cockles (Class 2)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Liverpool Bay Wirral - Leasowe and New Brighton	Ongoing											31.8	22.3	47.7	f	f	f	f	f	f	d	b	f				
Aquaculture - Cockles (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston	Ongoing											33.0	17.5	46.3	f	f	f	f	f	f	d	b	f				
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston	Ongoing											33.0	17.5	46.3	f	f	f	f	f	f	d	b	f				
Aquaculture - Cockles (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Pacific Oysters (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Mussels (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Native Oysters (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Tapes Species (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Surf Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Surf Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Hard Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Hard Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				
Aquaculture - Hard Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thunston East	Ongoing											35.6	20.3	49.1	f	f	f	f	f	f	d	b	f				

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awe! y Mor offshore construction period)																Distance from the Awe! y Mor OWF array area (km)	Distance from the Awe! y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Infaunal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape Land-scape and Visual	Archaeology and Cultural Heritage	Other Planned or Potential Activities	
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2039																				
Aquaculture - Hard Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Dee - Thurleston East	Ongoing														35.6	20.3	49.1																
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Menai Strait West - Area 5	Ongoing														38.3	29.9	54.5									a	b						
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Menai Strait West - Llanfair	Ongoing														38.3	29.9	54.5										a	b					
Aquaculture - Pacific Oysters (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Menai Strait West - Area 5	Ongoing														38.3	29.9	54.5											a	b				
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Menai Strait West - Area 1-3	Ongoing														38.3	29.9	54.5											a	b				
Aquaculture - Pacific Oysters (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Menai Strait West - Area 2-3	Ongoing														38.3	29.9	54.5												a	b			
Aquaculture - Cockles (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														38.3	29.9	54.5												a	b			
Aquaculture - Pacific Oysters (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														38.3	29.9	54.5												a	b			
Aquaculture - Mussels (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														38.3	29.9	54.5												a	b			
Aquaculture - Native Oysters (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														38.3	29.9	54.5												a	b			
Aquaculture - Tapes Species (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														38.3	29.9	54.5												a	b			
Aquaculture - Surf Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														38.3	29.9	54.5												a	b			
Aquaculture - Surf Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														38.8	42.3	38.4												a	b			
Aquaculture - Hard Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														40.0	43.6	39.7												a	b			
Aquaculture - Hard Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														40.3	43.8	39.9												a	b			
Aquaculture - Hard Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														40.8	44.4	40.5												a	b			
Aquaculture - Hard Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing														40.8	44.4	40.5												a	b			
Aquaculture - Cockles (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Menai Strait West - Traeth Melynog	Ongoing														43.9	49.0	59.3												a	b			
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Anghyrfelin Sea - Gonedd y Penrhyn	Ongoing														44.1	47.7	43.7											a	b				
Aquaculture - Mussels (Class 3)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Ribbles - Ribbles Walls North	Ongoing														44.4	48.4	60.0												a	b			
Aquaculture - Cockles (Class 3)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Ribbles - Penfold North	Ongoing														48.6	52.8	64.0												a	b			
Aquaculture - Cockles (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Ribbles - Ribbles Channel	Ongoing														48.6	52.8	64.0												a	b			
Aquaculture - Mussels (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Ribbles - Ribbles Channel	Ongoing														50.1	56.6	49.2												a	b			
Aquaculture - Cockles (Class 2)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Lune - Pilling Sands	Ongoing														63.0	70.1	76.0												a	b			
Aquaculture - Mussels (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Morecambe Bay - Foulney	Ongoing														66.6	73.4	77.3												a	b			
Aquaculture - Pacific Oysters (Class 2)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Morecambe Bay - Morecambe - Morecambe Bed 1	Ongoing														71.1	77.9	81.5												a	b			
Aquaculture - Cockles (Class 2)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Morecambe Bay - Central West	Ongoing														75.7	82.7	87.1												a	b			
Aquaculture - Cockles (Class 2)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA	Morecambe Bay - Central East	Ongoing														75.7	82.7	87.3												a	b			

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Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awel y Môr offshore construction period)												Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050															
Gwynf y Môr	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											0.0	0.0	11.1	a	b	b	b	a	b	d	d	b	b	b	d		
Rhyl Flats	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											5.1	0.0	13.0	a	b	b	b	a	b	d	d	b	b	b	d		
North Hoyle	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											11.3	5.9	25.2	a	b	b	b	b	b	d	d	b	b	b	d		
North Wales Tidal Energy Project	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Early concept											12.9	6.8	21.4	a	c	f	c	a	c	c	c	a	d	d	b		
Colwyn Bay Tidal Lagoon	Ocean Energy Installations	Low - Limited data available in the public domain.	Tidal Energy	Early concept											13.0	10.6	20.0	a	a	a	e	a	c	c	c	a	d	a	e		
Burbo Bank Extension	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											15.6	16.9	32.3	f	b	f	b	f	b	f	f	b	b	b	f		
Burbo Bank	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											25.6	23.0	42.3	f	f	f	b	f	b	f	f	a	b	a	f		
Cobra & Flotation Energy - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning											28.9	34.3	35.4	c	a	a	c	a	c	c	c	c	a	a	c		
Port of Mynydd Tidal Lagoon		High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Tidal Energy	Pre-planning											30.0	12.3	43.8	b	f	f	b	f	b	a	f	f	d	a	f		
Mersey Tidal Power	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Pre-planning											44.6	32.0	61.5	f	f	f	f	f	b	b	b	b	d	b	f		
EnBW and BP 1 - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning											47.2	54.6	49.1	c	a	a	c	c	c	c	c	c	a	a	c		
EnBW and BP 2 - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning											47.2	54.6	49.1	c	a	a	c	c	c	c	c	c	a	a	c		
West of Duddon Sands	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											51.2	57.1	58.1	f	f	f	f	f	b	f	f	b	f	f	f		
Walney Extension 4	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											57.1	62.6	62.3	f	f	f	f	f	f	f	f	b	f	f	f		
Barrow	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											57.6	64.1	67.3	f	f	f	f	f	b	f	f	b	f	f	f		
Walney 1	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											58.3	63.9	64.1	f	f	f	f	f	b	f	f	b	f	f	f		
Morlais Demonstrator	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Consented											60.2	66.9	59.3	f	f	f	f	f	c	c	c	f	d	f	f		
Morlais Tidal Energy	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Pre-planning application											60.2	66.9	59.3	a	a	a	e	a	a	a	e	a	a	a	a		
Walney 2	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											61.0	66.4	65.2	f	f	f	f	f	b	f	f	a	f	f	f		
Holyhead Deep	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Scoping report submitted											63.6	70.5	62.7	f	f	f	f	f	c	c	c	f	d	f	f		

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Aweil y Mör offshore construction period)											Distance from the Aweil y Mör CWR array area (km)	Distance from the Aweil y Mör Offshore Export Cable Route (km)	Distance to the AylM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Interstitial Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Scenic Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Environment Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050														
Holyhead Deep - 0.5MW Demonstrator Site (Minesto)	UKMED	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demonstrator Array	Operational													64.4	71.2	63.5	f	f	f	f	f	b	f	f	f	f	f
Ormonde	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational													65.4	71.3	72.3	f	f	f	f	f	b	f	f	b	f	f
Walney Extension 3	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational													66.1	71.3	68.0	f	f	f	f	f	b	f	f	b	f	f
Morecambe Bay Tidal Lagoon	Ocean Energy Installations	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Concept													73.0	80.0	84.8	f	f	f	f	f	c	c	c	f	f	f
Isle of Man	4Coffshore	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													74.9	82.3	76.7	f	f	f	f	f	c	c	c	f	f	f
Duddon Estuary Tidal Lagoon	UKMED	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Concept													80.5	86.8	88.4	f	f	f	f	f	c	c	c	f	f	f
Bardsey Sound	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Pre-Planning													95.5	99.3	95.1	f	f	f	f	f	c	c	c	f	f	f
Bardsey Sound (Enril)	UKMED	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Pre-planning application													96.3	100.0	95.9	f	f	f	f	f	c	c	c	f	f	f
Coding Wind Park	Ireland's Marine Atlas	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													129.5	136.1	128.6	f	f	f	f	f	c	c	c	f	f	f
North Irish Sea Array	Ireland's Marine Atlas	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Pre-planning application													130.9	139.0	130.1	f	f	f	f	f	c	c	c	f	f	f
Braymore Point	Ireland's Marine Atlas	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													130.9	139.9	130.6	f	f	f	f	f	c	c	c	f	f	f
Coding Wind Park Extension	Ireland's Marine Atlas	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													130.9	137.3	130.0	f	f	f	f	f	c	c	c	f	f	f
West Cumbrian Tidal Lagoon	EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	In planning													133.5	138.6	135.3	f	f	f	f	f	f	c	c	f	f	f
Cookley Point	4Coffshore	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													136.2	145.4	136.0	f	f	f	f	f	c	c	c	f	f	f
Dublin Array	Ireland's Marine Atlas	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	In-planning													136.6	143.9	135.7	f	f	f	f	c	c	c	c	f	f	f
Robin Rigg West	Crown Estate Scotland	High - third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Operational													138.5	143.4	140.7	f	f	f	f	f	b	f	f	f	f	f
Cloger Head	Ireland's Marine Atlas	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													141.2	150.4	141.0	f	f	f	f	f	c	c	c	f	f	f
Robin Rigg East	Crown Estate Scotland	High - third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Operational													139.5	144.5	142.1	f	f	f	f	f	b	f	f	f	f	f
Mull of Galloway	UKMED- EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demonstrator Array	In development													141.3	151.8	140.8	f	f	f	f	f	c	c	c	f	f	f

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Aweel y Mór offshore construction period)												Distance from the Aweel y Mór OWR array area (km)	Distance from the Aweel y Mór Offshore Export Cable Route (km)	Distance to the AylM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Interstitial Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Scenery, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Interests Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050															
South Irish Sea Array	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													146.7	152.1	146.0	f	f	f	f	f	c	c	c	f	f	f	f
Strangford Lough Array	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demonstrator Array	Pre-Planning													145.6	158.1	144.9	f	f	f	f	f	c	c	c	f	f	f	f
DeepGreen 1/10	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	In Planning													146.0	158.4	145.3	f	f	f	f	f	c	c	c	f	f	f	f
Seagen Strangford Lough	The Crown Estate: UKMED EMEC Orkney: Ocean Energy Installations	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Tidal Energy	Completed													146.0	158.4	145.3	f	f	f	f	f	f	f	f	f	f	f	f
Aiklow Bank Phase 2	Ireland's Marine Atlas: Developer	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Consented													147.1	154.5	146.1	f	f	f	f	f	c	c	c	f	f	f	f
Aiklow Bank	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational													147.1	154.5	146.1	f	f	f	f	f	b	f	f	f	f	f	f
Strangford Lough	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Tidal Energy Lease Area	Operational													148.0	160.4	147.3	f	f	f	f	f	f	f	f	f	f	f	f
Strangford Lough	The Crown Estate: EMEC Orkney:	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Tidal Energy	Completed													148.2	160.6	147.4	f	f	f	f	f	f	f	f	f	f	f	f
Evopod E1 Demonstration	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	Completed													148.4	160.8	147.7	f	f	f	f	f	f	f	f	f	f	f	f
Oriel	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													148.5	160.6	147.6	f	f	f	f	f	c	c	c	f	f	f	f
Kilmichael Point	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													149.4	156.1	148.5	f	f	f	f	f	c	c	c	f	f	f	f
Solway Firth-Venturi Enhanced Turbine Technology (VETT)	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	In planning													165.3	171.0	169.4	f	f	f	f	f	c	c	c	f	f	f	f
Shrubble Head Tidal Energy Project	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Early planning													175.9	177.2	175.7	f	f	f	f	f	c	c	c	f	f	f	f
St. David's Head	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demonstrator Array	In development													197.5	199.7	197.3	f	f	f	f	f	c	c	f	f	f	f	f
Ramsey Sound	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Tidal Energy Lease Area	Operational													200.2	202.3	200.0	f	f	f	f	f	b	f	f	f	f	f	f
Swansea Bay Tidal Lagoon	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Consented (expired)													202.1	194.2	205.1	f	f	f	f	f	c	f	f	f	f	f	f
Teesside	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Offshore Wind Farm	Operational													207.7	211.2	223.0	f	f	f	f	f	f	f	f	f	f	f	f
Wave Dragon Project - Mila Fjord Site	TETIYS	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy	In planning													218.3	219.6	218.2	f	f	f	f	f	c	f	f	f	f	f	f
Proteus 1:10 Scale Prototype	Open Energy Information	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	Completed													218.8	211.7	237.6	f	f	f	f	f	f	f	f	f	f	f	f
Newport Tidal Lagoon	Ocean Energy Systems	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Early concept													219.6	205.1	225.6	f	f	f	f	f	c	f	f	f	f	f	f
Cardiff Bay Tidal Lagoon	EMEC Orkney: Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Early planning													223.3	210.0	228.6	f	f	f	f	f	c	f	f	f	f	f	f

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					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050														
Humber Gateway	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational													256.3	248.1	275.0	f	f	f	f	f		f	f	f	f	f
Valorous (Blue Gem Floating Project)	The Crown Estate	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Scoping report submitted													257.7	259.6	257.5	f	f	f	f	c	f	f	f	f	f	f
Celtic Sea	Ireland's Marine Atlas	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													266.5	271.8	265.8	f	f	f	f	c	f	f	f	f	f	f
Inner Dowsing	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational													270.8	259.2	288.7	f	f	f	f	f		f	f	f	f	f
Lynn	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational													271.8	259.7	289.6	f	f	f	f	f		f	f	f	f	f
Unics	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational													272.0	260.4	289.9	f	f	f	f	f		f	f	f	f	f
Tilton Knot	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Under Construction													285.4	275.8	303.9	f	f	f	f	f		f	f	f	f	f
Race Bank	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational													291.8	281.1	310.0	f	f	f	f	f		f	f	f	f	f
Irish Eelga Marine Energy Park	Ireland's Marine Atlas	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept													294.8	300.6	294.1	f	f	f	f	c	f	f	f	f	f	f
Sound of Islay Tidal Energy Project	UKMED	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demonstrator Array	Consented													297.8	308.6	297.4	f	f	f	f	f		f	f	f	f	f
West Islay Tidal Energy Park	UKMED	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Consented													298.6	310.5	298.1	f	f	f	f	f		f	f	f	f	f
Meihl Demonstration Project - 2B Energy	EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Planned													299.0	304.6	302.2	f	f	f	f	f		f	f	f	f	f
Meihl (Samsung) Demo	EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational													300.8	306.4	304.1	f	f	f	f	f		f	f	f	f	f
Green Investment Group - Total - Round 4	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Concept/early planning													305.7	296.4	324.2	f	f	f	f	f		f	f	f	f	f
Hornsea Project Four	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Application submitted													308.2	303.7	326.6	f	f	f	f	c	f	f	f	f	f	f
Sheingham Shoal	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational													311.1	299.5	329.1	f	f	f	f	f		f	f	f	f	f
Sheingham Shoal Extension	The Crown Estate	High - third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Pre-application													314.2	302.6	332.2	f	f	f	f	f		f	f	f	f	f
Nearl na Gaioithe	Crown Estate Scotland	High - third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Under Construction													314.8	321.0	320.7	f	f	f	f	f		f	f	f	f	f
Seagreen Delta	Crown Estate Scotland	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Planned													315.9	322.4	323.7	f	f	f	f	f		f	f	f	f	f
Dudgeon Extension	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Pre-application													318.1	307.6	336.3	f	f	f	f	f		f	f	f	f	f

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Aweel y Mor offshore construction period)											Distance from the Aweel y Mor OWF array area (km)	Distance from the Aweel y Mor Offshore Export Cable Route (km)	Distance to the Aylm Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Interstitial Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascapes, Landscapes and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030															
Thames at Chiswick	Open Energy Information	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Completed											319.2	299.5	330.0													
Seagreen Charlie	Crown Estate Scotland	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Planned											319.7	326.4	328.7													
Dudgeon	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											328.6	317.9	346.8													
Gkinetics OC1 project	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Pilot Device	Completed											330.8	339.4	329.8													
Hornsea Project Two	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Under Construction											336.6	329.2	355.4													
Portland Bill	The Crown Estate: UKRED Marine	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy - Demonstrator Array	In Development											337.7	323.2	343.5													
Inch Cape	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Authorised											338.0	344.2	343.7													
Emerald	4Coffshore; Developer	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept											338.9	344.6	338.1													
RWE Renewables 1 - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning											339.2	336.8	357.0													
Connel PLAT Floating Tidal Energy Platform	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Tidal Energy	Completed											343.6	352.1	343.4													
Mc Cabe Wave Pump	Maredata	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed											349.4	358.2	348.4													
Hornsea Project One	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational											349.7	342.2	368.5													
Seagreen Alpha	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Authorised											352.9	359.2	359.3													
Ocean Energy Buoy (CORES Project)	Maredata	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed											353.6	363.5	352.6													
Ocean Energy Buoy (Phase 1)	Maredata	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed											353.6	363.5	352.6													
Ocean Energy Buoy (Phase 2)	Maredata	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed											353.6	363.5	352.6													
15 scale Wave Energy Converter (WEC)	Promoter	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed											353.6	363.5	352.6													
Seagreen Bravo	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Authorised											354.0	360.3	360.5													
Perpetuus Tidal Energy Centre (PTEC)	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Consented											361.5	343.5	368.9													
RWE Renewables 2 - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning											364.6	361.2	382.8													
Dogger Bank B	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Consented											365.6	364.4	383.0													

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Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Aweel y Môr offshore construction period)												Distance from the Aweel y Môr OWR array area (km)	Distance from the Aweel y Môr Offshore Export Cable Route (km)	Distance to the Aylm Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Interstitial Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Scenic, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Interests and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050															
Dieppe - Le Treport	EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	In Planning												490.4	470.4	500.2	f	f	f	f		f		f		f			
C-Power (Zone A)	EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'		Operational												490.9	474.2	506.1	f	f	f	f		f		f		f			
OWF Borsele II	EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Under Construction												493.2	477.1	508.8	f	f	f	f		f		f		f			
C-Power (Zone B)	EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational												494.4	477.8	509.7	f	f	f	f		f		f		f			
Northr	EMODnet: Developer	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational (May 2020)												496.0	479.2	511.1	f	f	f	f		f		f		f			
Saint-Brieuc	EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	In Planning												504.8	492.0	509.6	f	f	f	f		f		f		f			
Païmpol Brehat Tidal Farm	Ocean Energy Installations	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Completed												509.1	497.3	513.4	f	f	f	f		f		f		f			
Païmpol Brehat (test 1)	Ocean Energy Installations	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	Completed												509.1	497.3	513.4	f	f	f	f		f		f		f			
Païmpol Brehat (test 2)	Ocean Energy Installations	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	Completed												509.1	497.3	513.4	f	f	f	f		f		f		f			
OceanQuest	EMODnet	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy Prototype - Sea Testing	Completed												509.1	497.3	513.4	f	f	f	f		f		f		f			
Flan Sea	Press Release	Medium - third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed												509.6	492.2	524.1	f	f	f	f		f		f		f			

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awe1 y M0r offshore construction period)												Distance from the Awe1 y M0r OWF array area (km)	Distance from the Awe1 y M0r Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Coastal Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascapes, Landscapes and Visual	Archaeology and Cultural Heritage	Other Marine Uses and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050															
United Kingdom																															
Liverpool Bay Buoy 2: KFB 08/2005	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												2.8	2.7	16.1													
Liverpool Bay Buoy 2: KFB 16/2009	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												2.8	2.7	16.1													
Liverpool Bay Buoy 2: KFB 06/2007	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												2.8	2.7	16.1													
Liverpool Bay Buoy 2: KFB 07/2009	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												2.8	2.7	16.1													
Liverpool Bay Waverider Buoy B: KFB 07/2010	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												2.8	2.7	16.1													
Liverpool Bay Waverider Buoy: KFB 05/2006	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	N Power	Removed												2.9	8.4	21.1													
Liverpool Bay Waverider Buoy: KFB 24/2004	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'		Removed												2.9	8.4	21.1													
Douglas DA	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Eni Accomodation Jackup	Operational												5.6	12.4	21.9													
Douglas DP	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Eni Production Steel	Operational												5.6	12.5	22.0													
Douglas DW	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Eni Wellhead Steel	Active												5.6	12.5	22.1													
Rhyl Fish Waverider Buoy: KFB 05/2006	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	N Power	Removed												9.2	0.0	20.4													
Liverpool Bay Buoy: KFB 22/2008	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												11.9	17.9	30.3													
Hamilton A	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Eni (Gas)	Operational												13.3	20.3	30.7													
Conwy Platform NPdI	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Tallwind (OI)	Operational												15.1	20.0	21.5													
Buoy 1: KFB 16/2002	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												17.1	21.2	35.9													
Liverpool Bay Buoy: KFB 11/2004	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												17.1	21.2	35.9													
Liverpool Bay Buoy 1: KFB 08/2005	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												17.1	21.2	35.9													
Liverpool Bay Buoy 1: KFB 06/2007	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												17.1	21.2	35.9													
Liverpool Bay Buoy 1: KFB 16/2009	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												17.1	21.2	35.9													
Liverpool Bay Buoy 1: KFB 07/2009	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												17.1	21.2	35.9													
Liverpool Bay Waverider Buoy A: KFB 07/2010	Oil and Gas Authority	Medium - 'third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed												17.1	21.2	35.9													

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awel y Môr offshore construction period)																Distance from the Awel y Môr OWR array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the Aylm Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Infaunal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascapes, Landscapes and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2039 - 2059																			
Liverpool Bay Buoy: KFB 07/2012	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Cefas	Active														17.5	21.6	36.3	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
Liverpool Bay Smart Buoy: KFB20/2012 AREAS	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Cefas	Active														17.9	21.9	36.7	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
Liverpool Bay: KFB 09/2003	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed														17.9	21.9	36.7	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
Hamilton North	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni (Gas)	Operational														19.4	26.3	33.0	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
OIS (Offshore Storage Inst.) FPSO	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni Storage Unit Attached to Cairn Buoy	Active														21.8	28.0	31.9	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
Point of Ayr Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active														23.7	7.7	38.0	d	b	f	f	f	f	f	f	f	f	f	f	f	f	
Liverpool Bay Buoy 3: KFB 16/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed														27.5	15.1	43.7	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
Liverpool Bay Buoy 3: KFB 06/2007	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed														27.5	15.1	43.7	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
Liverpool Bay Buoy 3: KFB 07/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed														27.5	15.1	43.7	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
Liverpool Bay Waverider Buoy D: KFB 07/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed														27.5	15.1	43.7	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
Lemnox	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni Wellhead Steel	Active														32.7	37.2	50.5	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
Calder CA1 Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational														35.3	40.3	38.9	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
Calder Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational														35.3	40.3	38.9	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
South Morecambe DP3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Decommission														36.3	42.0	42.8	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
South Morecambe AP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy Accommodation Platform	Operational														39.5	45.0	45.0	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
Accommodation Platform AP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational														39.5	45.0	45.0	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
South Morecambe CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational														39.6	45.0	45.0	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
Central Production Platform CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational														39.6	45.0	45.0	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
South Morecambe DP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational														39.6	45.1	45.1	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
Drilling Platform DP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational														39.6	45.1	45.1	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
South Morecambe FL1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational														39.7	45.1	45.1	f	f	f	f	f	f	f	f	f	f	f	f	f	f	
Flare Tripod	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational														39.7	45.1	45.1	f	f	f	f	f	f	f	f	f	f	f	f	f	f	

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awei y Mor offshore construction period)												Distance from the Awei y Mor OMF array area (km)	Distance from the Awei y Mor Offshore Export Cable Route (km)	Distance to the Aylm Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Infaunal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine and Coastal Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050															
Gateway Gas Storage Project	The Crown Estate	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Gateway Storage Project Limited	In Planning												40.5	46.9	49.6	g	g	g	g	g	g	c	g		c	g		
DP6 Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational												41.6	46.8	45.8	f	f	f	f	f	f	f	f	d	b	f		
South Morecambe DP6	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational												41.6	46.8	45.8	f	f	f	f	f	f	f	f	d	b	f		
DP4 Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational												42.9	48.5	48.5	f	f	f	f	f	f	f	f	d	b	f		
South Morecambe DP4	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Decommission												42.9	48.5	48.5	g	g	g	g	g	g	g	g	d	g	g		
DP8 Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational												44.5	49.7	48.4	f	f	f	f	f	f	f	f	d	b	f		
South Morecambe DP8	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational												44.5	49.7	48.4	f	f	f	f	f	f	f	f	d	b	f		
North Morecambe DPPA	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy (Gas)	Operational												52.2	57.2	54.6	f	f	f	f	f	f	f	f	d	f	f		
North Morecambe Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational												52.2	57.2	54.6	f	f	f	f	f	f	f	f	d	f	f		
West Duddon Sands Wavemaker Buoy: KFB 20/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed												57.7	63.7	64.3	f	f	f	f	f	f	f	f	d	f	f		
Milom West Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational												59.9	65.6	60.0	f	f	f	f	f	f	f	f	d	f	f		
Milom West Remote Drilling and Production Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational												59.9	65.6	60.0	f	f	f	f	f	f	f	f	d	f	f		
Lightning Knoll Wavemaker Buoy: KFB 21/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	APA Barrow	Removed												61.6	68.3	71.6	f	f	f	f	f	f	f	f	d	f	f		
Lightning Knoll 2 Wavemaker Buoy: KFB 25/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	APA Barrow	Removed												62.5	69.1	72.2	f	f	f	f	f	f	f	f	d	f	f		
Tide Gauge Buoy: KFB 08/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed												63.0	69.6	72.7	f	f	f	f	f	f	f	f	d	f	f		
Barrow-in-Furness Gas Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational												72.6	79.2	82.2	f	f	f	f	f	f	f	f	d	f	f		
Glen Moan Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational												98.3	109.4	97.9	f	f	f	f	f	f	f	f	d	f	f		
Oceanographic Buoy: KFB 12/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Cefas	Removed												101.9	107.2	104.8	f	f	f	f	f	f	f	f	d	f	f		
Loughshinny Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational												145.4	156.1	144.4	f	f	f	f	f	f	f	f	d	f	f		
Braymore Point Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational												155.0	166.1	154.0	f	f	f	f	f	f	f	f	d	f	f		
Coneswall Point Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational												185.8	196.4	185.4	f	f	f	f	f	f	f	f	d	f	f		
Island Magee Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational												194.3	206.3	193.7	f	f	f	f	f	f	f	f	d	f	f		

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes AWEI y MoF offshore construction period)																Distance from the Jewel y MoF OWR array area (km)	Distance from the Jewel y MoF Offshore Export Cable Route (km)	Distance to the AWEI Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Infaunal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascapes Landscapes and Visual	Archaeology and Cultural Heritage	Other Marine Uses and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050																			
Liverpool Bay Seabed Mooring KFB 08/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed													5.3	10.7	18.1		g	g	g	g	g	g	g	g	g	d	g	g			
Liverpool Bay Seabed Mooring 2: KFB 26/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Seafish	Removed													5.3	10.7	18.1		g	g	g	g	g	g	g	g	g	d	g	g			
Douglas 14 538V	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													5.7	12.5	22.0		f	f	f	f	f	f	f	f	f	d	f	f			
Buoy 1: KFB 11/2002	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Celtic Offshore	Removed													8.9	2.8	18.7		g	g	g	g	g	g	g	g	g	d	g	g			
Buoy KFB 12/2002	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Celtic Offshore	Removed													8.9	2.8	18.7		g	g	g	g	g	g	g	g	g	d	g	g			
Snagging Hazard - Concrete Mattress - KFB 07/2013 - Area 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tailwind	Active													10.9	16.3	21.0		f	f	f	f	f	f	f	f	f	d	f	f			
Dredge Pipe KFB: 24/2016	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Seafish	Active													14.0	12.0	31.5		f	f	f	f	f	f	f	f	f	d	f	f			
Wave Buoy Anchor and 6M Chain	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active													16.3	18.6	35.0		f	f	f	f	f	f	f	f	f	d	f	f			
Liverpool Bay Seabed Mooring 1: KFB 26/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Seafish	Removed													17.1	21.2	35.9		g	g	g	g	g	g	g	g	g	d	g	g			
Hamilton East	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													17.5	34.7	34.1		f	f	f	f	f	f	f	f	f	d	f	f			
OSI Anchor 4	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													20.5	26.7	30.9		f	f	f	f	f	f	f	f	f	d	f	f			
OSI Anchor 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													20.5	26.7	30.8		f	f	f	f	f	f	f	f	f	d	f	f			
OSI Anchor 6	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													20.5	26.7	30.8		f	f	f	f	f	f	f	f	f	d	f	f			
PLEM AT OSI	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													21.7	27.9	31.8		f	f	f	f	f	f	f	f	f	d	f	f			
OSI Anchor 3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													22.3	28.6	33.0		f	f	f	f	f	f	f	f	f	d	f	f			
OSI Anchor 2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													22.4	28.7	33.0		f	f	f	f	f	f	f	f	f	d	f	f			
OSI Anchor 7	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													22.4	28.4	31.8		f	f	f	f	f	f	f	f	f	d	f	f			
OSI Anchor 1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													22.5	28.8	33.1		f	f	f	f	f	f	f	f	f	d	f	f			
OSI Anchor 8	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													22.5	28.5	31.9		f	f	f	f	f	f	f	f	f	d	f	f			
OSI Anchor 9	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active													22.6	28.6	32.0		f	f	f	f	f	f	f	f	f	d	f	f			
Mooring with Scientific Equipment Depth 20: KFB 14/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Active													37.9	47.7	36.9		f	f	f	f	f	f	f	f	f	d	f	f			
Mooring with Scientific Equipment Depth 3s: KFB 14/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Active													38.7	48.9	37.7		f	f	f	f	f	f	f	f	f	d	f	f			

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awel y Môr offshore construction period)												Distance from the Jewel y Môr Offshore array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the Aylt Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascapes Landscapes and Visual	Archaeology and Cultural Heritage	Other Marine Uses and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050															
Moorings with Scientific Equipment Depth 33- KFB 14/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Active											39.0	48.8	38.0	f	f	f	f	f	f	f	f	f	f	f	f	f	
Lennox 16 SSBV	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active											32.6	37.1	50.3	f	f	f	f	f	f	f	f	f	f	f	f	f	
Lennox 14 SSBV	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active											32.6	37.1	50.3	f	f	f	f	f	f	f	f	f	f	f	f	f	
Underwater Glider - KFB 4/2011	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	BP	Removed											32.6	39.6	46.4	g	g	g	g	g	g	g	g	g	g	g	g	g	
Lennox 12 SSBV	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active											32.6	37.1	50.4	f	f	f	f	f	f	f	f	f	f	f	f	f	
Moorings with Scientific Equipment Depth 23- KFB 14/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Active											39.7	49.5	38.7	f	f	f	f	f	f	f	f	f	f	f	f	f	
Lost Tether 100M X 30MM	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active											34.5	40.2	41.1	f	f	f	f	f	f	f	f	f	f	f	f	f	
Well 110/3-3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Not in Use											38.5	44.0	44.1	g	g	g	g	g	g	g	g	g	g	g	g	g	
Bains Well	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Active											43.8	49.9	51.7	f	f	f	f	f	f	f	f	f	f	f	f	f	
Bains Wellhead Protection Structure	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											43.8	49.9	51.7	f	f	f	f	f	f	f	f	f	f	f	f	f	
Dalton Well R2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Active											45.2	50.1	46.8	f	f	f	f	f	f	f	f	f	f	f	f	f	
Dalton Wellhead Protection Structure - R2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											45.2	50.1	46.8	f	f	f	f	f	f	f	f	f	f	f	f	f	
Dropped Ladder 1.5M X 50CM KFB.19/2018	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Sealfish	Active											46.0	52.8	57.5	f	f	f	f	f	f	f	f	f	f	f	f	f	
Dalton Well R1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Active											46.0	51.0	47.7	f	f	f	f	f	f	f	f	f	f	f	f	f	
Dalton Wellhead Protection Structure - R1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											46.0	51.0	47.7	f	f	f	f	f	f	f	f	f	f	f	f	f	
Dalton PLEM	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											46.0	51.0	47.7	f	f	f	f	f	f	f	f	f	f	f	f	f	
Dalton PLEM Pipe and Manifold	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Active											46.0	51.0	47.7	f	f	f	f	f	f	f	f	f	f	f	f	f	
Well 110/2A-7	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Not in Use											47.5	52.5	50.3	g	g	g	g	g	g	g	g	g	g	g	g	g	
South Morecambe OBS Well NO 110/2A-7	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Removed											47.5	52.5	50.3	g	g	g	g	g	g	g	g	g	g	g	g	g	
Well 110/2A-12	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Not in Use											48.3	53.4	51.6	g	g	g	g	g	g	g	g	g	g	g	g	g	
Well NO 110/2A-12	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Not in Use											48.4	53.4	51.6	g	g	g	g	g	g	g	g	g	g	g	g	g	
Milom East PLEM	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Active											57.9	63.0	58.7	f	f	f	f	f	f	f	f	f	f	f	f	f	

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Port	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Aweil y Mór offshore construction period)										Distance from the Aweil y Mór OWR array area (km)	Distance from the Aweil y Mór Offshore Export Cable Route (km)	Distance to the Aylm Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Interstitial Ecology	Fish and Shellfish Ecology	Marine Mammals	Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Scenic Landscapes and Visual	Archaeology and Cultural Heritage	Other Marine Interests and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050													
Bangor	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													175.2	185.8	176.6	f	f						f	f	
Stranraer	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													174.8	184.1	176.4	f	f						f	f	
Fishguard	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													176.1	177.2	176.0	f	f						f	f	
Belfast	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													183.3	193.9	184.6	f	f						f	f	
Kilroot	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													184.2	194.8	185.6	f	f						f	f	
Larne	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													197.5	208.0	199.0	f	f						f	f	
Neath	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													199.0	190.6	201.6	f	f						f	f	
Swansea	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													201.3	193.6	203.5	f	f						f	f	
Port Talbot	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													204.5	195.9	207.1	f	f						f	f	
Milford Haven	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													208.1	207.9	208.0	f	f						f	f	
Sharpness	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													208.1	191.3	213.7	f	f						f	f	
Bird Port	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													213.0	199.1	217.6	f	f						f	f	
Newport	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													214.5	200.7	219.0	f	f						f	f	
Republic of Ireland																													
Dublin	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													159.4	166.8	158.4	f	f						f	f	
Greenore	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													161.7	171.6	162.0	f	f						f	f	
Drogheda	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active													163.5	172.3	163.1	f	f						f	f	

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Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction Period (red outline denotes Awel y Mor offshore construction period)																Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AylM Other Offshore Infrastructure Zone	Physical Processes	Wells and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Interests and Activities
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033 - 2050																	
MTF_INDUSTRIAL21375	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													40.4	80.1	57.9	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL115467	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													40.4	80.9	58.2	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL21382	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													40.6	80.1	58.0	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL98650	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													41.1	80.1	58.5	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL21381	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													42.2	80.1	59.2	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL21367	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													42.3	80.3	59.4	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL20817	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													42.6	80.2	59.5	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL23300	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													42.8	44.9	60.8	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL22175	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													47.6	56.0	46.6	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL23296	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													47.7	52.2	64.6	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL23177	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													48.1	56.5	47.1	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL23176	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													48.1	56.5	47.1	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL98653	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													48.2	56.1	47.2	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL23299	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													48.5	54.9	64.1	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL22443	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													49.3	56.2	48.5	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL23304	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													50.1	56.8	65.3	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL113816	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													50.6	58.8	49.6	f	f	f	f	f	f	f	f	f	f	f	f	f			
MTF_INDUSTRIAL23167	Environment Agency	High - third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active													50.9	59.2	49.9	f	f	f	f	f	f	f	f	f	f	f	f	f			

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Project/Planning Application	Data Source(s)	Data Confidence Assessment	Notes	Date of Application and Status of Development	Construction Period (red outline denotes Aweil y Mor offshore construction period)																Distance to ES ECC (km)	Distance to ES Draft Order Limits (km)		Terrestrial Ecology and Nature Conservation	Archaeology and Cultural Heritage	Airborne Noise and Vibration	Traffic and Transport	Air Quality	Hydrology Hydrogeology and Flood Risk	Geology and Ground Conditions	Landscape and Visual Impacts	Socioeconomic s	Tourism and Recreation	Public Health
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 - 2050																		
45/2021/1248 Development of 5 ha of land to form Coastal defence scheme comprising of the formation of flood embankments ramps, outfall structures and rock armour including landscaping habitat enhancements works	Denbighshire CC Planning Portal	High	Coastal protection works	2021, pending decision													0.469425	0.0																
40/2018/1036 - Construction of a 5 MW flexible gas fired power plant	Denbighshire CC Planning Portal	High	Other energy generation infrastructure	2018, granted													9.1	0.0	c	c	c	c	d	d	c	c	c	c						
45/2018/1197 - Construction of coastal protection scheme, incorporating interlocking rock revetment and recurved upland sea wall to replace existing, raising of walkway, new and amended accesses and associated works (East Rhyl coastal defence improvement scheme).	Denbighshire Consultation Response	High	Building/housing developments	2019, Granted													0.420879	0.1																
40/2021/0309 - Care home	Denbighshire CC Planning Portal	High	Building/housing developments	2021, Granted													7.9	0.1	f	f	f	c	d	d	c	f	f	f						
40/2017/1232 - Erection of 7 no. industrial units with associated parking, landscaping, access road and external storage areas.	Denbighshire Consultation Response	High	Building/housing developments	2018, Granted													8.495236	0.1																
44/2021/0159 - Hybrid planning application for the redevelopment of 4.9ha of land incorporating the following elements: Hybrid planning application (full details and outline) for the redevelopment of 4.9ha of land incorporating the following elements: Full Details: - Erection of a commercial vehicles sales unit (but generic) - Formation of associated parking area, landscaping and associated works Outline: Outline Planning application for the erection of 5 No. business buildings (Use Class B1 and B2) with all other matters reserved for further approval.	Denbighshire Consultation Response	High	Building/housing developments	2021, pending decision													8.756512	0.2																
43/2017/1121 - Use of land for the siting of an additional 65 touring caravan pitches and 39 timber camping pods, storage building and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2018, Granted													1.108652	0.2																
45/2018/1215 - Erection of 109 dwellings and associated works (Phase 5).	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted													1.885483	0.3																
45/2021/0738 - Retrospective application for the change of use of dwelling (Use Class C3) to form a house of multiple occupancy (Use Class C4) for 4 people.	Denbighshire Consultation Response	High	Building/housing developments	2021, pending decision													1.654037	0.4																
45/2021/0092 - EIA screening and scoping opinion request for the proposed Central Rhyl Coastal Defence Scheme.	Denbighshire Consultation Response	High	Coastal protection works	2021, Screening Opinion issued													0.626787	0.4																
44/2018/0855 - Details of access, appearance, landscaping, layout and scale of 99 dwellings submitted in accordance with condition number 1 of outline permission code 44/2015/1075 (reserved matters application)	Denbighshire Consultation Response	High	Building/housing developments	2019, Granted													3.958555	0.4																
DN6 application (PNS Ref. DN5/3247619). Ibwy Solar Energy Farm	Denbighshire Consultation Response, PNS	High	Other energy generation infrastructure	2021, pending decision													7.159215	0.7																
40/2021/0825 - Erection of 106 dwellings, construction of a new vehicular access and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, pending decision													7.09627	0.8																
44/2020/0346 - Change of use of agricultural land to farm extension to existing touring caravan site: siting of 3 no. glamping pods and camping facilities, construction of toilet, shower and laundry blocks and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2020, Granted													4.837618	0.8																
43/2020/0773 - Erection of 35 no. dwellings and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2020, pending decision													1.655245	0.9																
43/2018/0750 - 133 dwellings	Denbighshire CC Planning Portal	Medium	Building/housing developments	2018													2.8	0.9	d	d	d	d	d	d	d	d	d	d						
42/2018/0923 - 61 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2018, granted													3.6	0.9	f	d	c	c	d	d	d	d	d	d						
45/2020/0498 - Development of land in connection with existing hospital including the erection of a four storey community hospital.	Denbighshire Consultation Response	High	Building/housing developments	2020, Granted													1.169567	1.0																
40/2021/0796 - Erection of a detached storage building.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted													8.09201	1.1																
45/2017/1164 - Demolition of existing school buildings and erection of replacement school accommodating 920 pupils incorporating playgroup, nursery, primary and secondary pupils with associated play space, grass pitch, all weather pitch.	Denbighshire Consultation Response	High	Building/housing developments	2018, Granted													2.172563	1.1																
46/2019/0806 - Development of 0.75 ha of land for residential purposes (outline application including access).	Denbighshire Consultation Response	High	Building/housing developments	2019, pending decision													7.975204	1.2																
43/2019/0730 - 41 dwellings.	Denbighshire CC Planning Portal	High	Building/housing developments	2019, granted													3.2	1.2	f	d	c	c	d	d	d	d	d	d						
45/2021/0265 - Change of use of land to 'Skyflyer Balloon' tourist attraction including the installation of concrete platform, mounting winch and associated Skyflyer Balloon and basket, siting of toilet and reception buildings, landscaping and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted													1.353497	1.2																
45/2020/0725 - Conversion of existing offices to form 12 self-contained apartments, including demolition of extension to rear, erection of car port and sprinkler tank compound, landscaping and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted													1.522238	1.2																
43/2020/0521 - Erection of 102 affordable dwellings, associated roads, open space, landscaping and infrastructure (no submission of planning application 44/2019/0629).	Denbighshire Consultation Response	High	Building/housing developments	2020, pending decision													1.927921	1.3																
45/2020/0096 - Change of use and alterations to former offices to form a 61 bed, 6 ward hospital for residential nursing and health care.	Denbighshire Consultation Response	High	Building/housing developments	2020, Granted													1.621673	1.3																

Project/Planning Application	Data Source(s)	Data Confidence Assessment	Notes	Date of Application and Status of Development	Construction Period (red outline denotes Aweel y Mor offshore construction period)											Distance to ES ECO (km)	Distance to ES Draft Order Limits (km)	Terrestrial Ecology and Biodiversity Conservation	Archaeology and Cultural Heritage	Adverse Noise and Vibration	Traffic and Transport	Air Quality	Hydrology, Hydrogeology and Flood Risk	Geology and Ground Conditions	Landscape and Visual Impacts	Socioeconomic	Biodiversity and Recreation	Public Health	
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030														2050 - 2050
45/2018/0822 - Construction of 41 housing association apartments for local residents over 55 years of age together with new and altered vehicular and pedestrian accesses, associated parking provision, and related work.	Denbighshire Consultation Response	High	Building/housing developments	2018, Granted													1.492233	1.3											
45/2021/0187 - Change of use of land and erection of a Further Education Engineering Centre building, formation of a new vehicular access, construction of an internal site access road and car park, together with landscaping and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted													2.897721	1.4											
43/2020/0023 - Erection of a retail store with garden centre, servicing and car parking areas and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2020, Granted													2.7966	1.4											
45/2018/0263 - Demolition of existing building and redevelopment of land by the erection of 18 apartments and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2019, Granted													2.231314	1.5											
40/2021/0730 - Demolition of dwelling and erection of 28 new dwellings including new vehicular access, internal access road and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, pending decision													7.53746	1.7											
45/2020/0858 - Conversion and alterations to hotel to form 10 no. self contained apartments.	Denbighshire Consultation Response	High	Building/housing developments	2020, pending decision													1.826821	1.7											
43/2018/0900 - 15 unit apartment block	Denbighshire CC Planning Portal	High	Building/housing developments	2018, granted													3.0	1.7	g	g	c	c	g	g	g	g	g		
43/2020/0843 - Demolition of former library building, erection of a new three and half storey building to contain 2 no. commercial units at ground floor and 14 no. one-bedroom residential apartments on the upper floors and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted													3.117964	1.7											
45/2021/0040 - Hybrid Planning application (Full details and outline) for the redevelopment of 0.93ha of land known as Queens Market, incorporating the following elements: Full Details: - Demolition of the Bright Spot building on the corner of West Parade and High Street - Demolition of 2.6 High Street	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted													2.051627	1.9											
46/2021/1161 Erection of 124 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2021, Pending decision													9.077816	2.1											
45/2020/0865 - Demolition of existing dwellings, erection of 13 no. dwellings and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted													2.305777	2.2											
0/48678 Erection of 11kv pole and overhead line	CCBC Planning Portal	High	National Grid enabling works	2021, Approved													11.833164	2.5											
31/2021/0724 11kv Overhead Line, supported by an existing 11kv Pole & Stay. The proposed 11kv Overhead line will replace an existing 11kv Overhead line approx 100m to the west.	Denbighshire CC Planning Portal	High	National Grid enabling works	2021, Approved													11.874298	2.5											
45/2018/0123 - Erection of a retail unit with associated parking, access, servicing and landscaping.	Denbighshire Consultation Response	High	Building/housing developments	2018, Granted													3.049368	2.5											
43/2016/0356 - Development of 2.4 hectares of land for residential development (outline application - all matters reserved) (resubmission of previously refused application under Code No. 43/2014/1166/PO)	Denbighshire Consultation Response	High	Building/housing developments	2016, pending decision													4.149741	2.7											
43/2017/0848 Erection of 41 affordable dwellings and associated works	Denbighshire Consultation Response	High	Building/housing developments	2020, Granted													4.178794	2.8											
0/48667 To install a new one way relief road, to take queuing traffic off the main road allowing for better movement along the A548. Creation of new road junction and incorporation of drainage works	CCBC Planning Portal	High	Installation or upgrade of roads	2021, Approved													4.662346	3.5											
0/44022 - Erection of 11 kV overhead line	CCBC Planning Portal	High	National Grid enabling works	2017, granted													6.9	3.7	g	c	g	d	g	g	g	c	d	g	g
30/2018/0269 - Installation of a ground-mounted solar array development to provide renewable electricity to the water treatment works	Denbighshire CC Planning Portal	Medium	Other energy generation infrastructure	2018													11.3	4.1	g	g	c	c	g	g	g	d	g	g	
30/2018/0969 - 13 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2018, granted													12.2	4.4	g	g	c	c	g	g	g	d	g	g	
58304 - Residential development for 41 no. dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2018, granted													5.8	4.4	g	g	g	d	g	g	g	d	g	g	
0/44263 - Provision of 5 no. self contained residential units	CCBC Planning Portal	High	Building/housing developments	2017, granted													7.3	6.3	g	c	g	d	g	g	g	d	g	c	g
0/45487 - Installation of 14 no. solar panels	CCBC Planning Portal	High	Other energy generation infrastructure	2018, granted													7.6	6.3	g	g	g	d	g	g	g	d	g	c	g
0/43986 - Erection of 11 kV overhead line	CCBC Planning Portal	High	National Grid enabling works	2017, granted													14.8	6.4	g	g	d	d	g	g	g	d	g	g	
0/45297 - Erection of 73 dwellings, access and open space	CCBC Planning Portal	High	Building/housing developments	2018, granted													8.8	6.5	g	g	g	d	g	g	g	d	g	g	
0/47520 - Increase the total number of dwellings proposed from 73 no. homes to 81 no. homes	CCBC Planning Portal	Medium	Building/housing developments	2020, submitted													8.8	6.5	g	g	g	d	g	g	g	d	g	g	
00/2021/0583 - EIA Scoping Opinion consultation of the proposed Hyllet North West Carbon Dioxide Pipeline (Nationally Significant Infrastructure Project)	Denbighshire CC Planning Portal	High	Installation of upgrade of cables and pipelines	2021													8.009531	6.6											
01/2019/1011 - Construction of a Local Authority Waste Transfer Station	Denbighshire CC Planning Portal	High	Building/housing developments	2019, granted													15.4	7.1	g	g	g	d	g	g	g	d	g	g	
01/2019/0744 - 22 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2019, granted													16.3	7.7	g	g	g	d	g	g	g	d	g	g	
57971 - Residential development for 27 no. dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2018, granted													9.6	8.2	g	g	g	d	g	g	g	d	g	g	
59730 - Installation of an 11 kV overhead line	Flintshire County Council Planning Portal	High	Installation or upgrade of cables and pipelines	2019, granted													10.6	8.3	g	g	g	d	g	g	g	d	g	g	
53603 - Residential development to provide eight houses	Flintshire County Council Planning Portal	High	Building/housing developments	2017, granted													9.6	8.3	g	g	g	d	g	g	g	d	g	g	

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Project/Planning Application	Data Source(s)	Data Confidence Assessment	Notes	Date of Application and Status of Development	Construction Period (red outline denotes Aweel y Mor offshore construction period)										Distance to ES ECC (km)	Distance to ES Draft Order Limits (km)	Regional Economic Conservation Archaeology and Cultural Heritage	Airborne Noise and Vibration	Traffic and Transport	Air Quality	Hydrology, Hydrogeology and Flood Risk	Geology and Ground Conditions	Landscape and Visual Impacts	Socioeconomic	Tourism and Recreation	Public Health
					2020	2021	2022	2023	2024	2025	2026	2027	2028	2029												
58544 - Residential development of 30 no. affordable apartments	Flintshire County Council Planning Portal	Medium	Building/housing developments	2019, submitted										28.5	26.4											
56530 - Erection of 9 dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2017, granted										28.6	26.5											
56658 - Erection of 8 no. flats, 2 no. retail units and 16 no. parking spaces	Flintshire County Council Planning Portal	High	Building/housing developments	2018, granted										28.9	26.9											
60765 - Installation and operation of ground mounted solar panels and associated infrastructure	Flintshire County Council Planning Portal	High	Other energy generation infrastructure	2020, granted										29.2	27.1											
57165 - Erection of 13 no. houses and 6 no. apartments	Flintshire County Council Planning Portal	High	Building/housing developments	2020, granted										30.5	27.3											
59991 - Erection of 5 no. detached dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										30.2	27.4											
57477 - Installation of a 4.5 kW micro hydro scheme	Flintshire County Council Planning Portal	High	Other energy generation infrastructure	2018, granted										29.7	27.6											
60955 - Erection of 10 affordable walk-up apartments and 2 affordable houses	Flintshire County Council Planning Portal	High	Building/housing developments	2020, granted										30.9	27.6											
PL/2019/204 - Full application for the erection of 27 affordable dwellings	IOA CC Planning Portal	High	Building/housing developments	2019, granted										34.1	27.6											
59739 - Erection of 75 to 90 bed extra care facility to include supporting communal facilities and 12 bungalows and ancillary works	Flintshire County Council Planning Portal	Medium	Building/housing developments	2019, submitted										31.0	27.7											
58524 - Construction of 14 houses	Flintshire County Council Planning Portal	High	Building/housing developments	2017, granted										31.0	27.8											
58270 - Construction and operation of a waste management facility	Flintshire County Council Planning Portal	High	Building/housing developments	2018, granted										29.8	27.9											
59175 - construction and operation of an urban reserve 2x2.5 MW gas fired power plant	Flintshire County Council Planning Portal	High	Other energy generation infrastructure	2019, granted										29.9	28.0											
58296 - Erection of 28 apartments and 3 houses	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										30.6	28.3											
59388 - Erection of 10 no. industrial units	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										31.2	28.3											
57115 - Erection of 5 no. dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2017, granted										30.6	28.4											
57274 - Construction of 23 no. dwellings and associated works	Flintshire County Council Planning Portal	High	Building/housing developments	2018, granted										31.1	28.6											
57702 - Erection of 6 no. 3 bed houses	Flintshire County Council Planning Portal	Medium	Building/housing developments	2019, submitted										30.7	28.6											
56726 - Erection of 9 no. dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2017, granted										30.9	28.7											
6144248 - Erection of 4 no. replacement wind turbines at Hafoty Uchus wind farm	CCBC Planning Portal	High	Other energy generation infrastructure	2017, granted										38.1	28.8											
56601 - Erection of 7 dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2017, granted										33.0	28.8											
61392 - Erection of 56 dwellings	Flintshire County Council Planning Portal	Medium	Building/housing developments	2020, submitted										31.8	28.9											
61507 - Outline application for approval in principle for residential developments (up to 94 dwellings)	Flintshire County Council Planning Portal	Medium	Building/housing developments	2020, submitted										32.1	29.0											
SCR/2019/65 - Screening opinion for the erection of a new 11 kV overhead line together with the removal of existing overhead line (BIA not req.)	IOA CC Planning Portal	Medium	National Grid enabling works	2019										34.9	29.2											
TO/2017/6330 - 6 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2017, granted										27.3	29.3											
61E/2019/7 - Full application under Section 37 of the Electricity Act 1989 to upgrade the existing overhead supply to a mainline	IOA CC Planning Portal	High	National Grid enabling works	2019, granted										27.3	29.3											
59343 - Proposed residential development for 12 no. units	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										32.0	30.0											
59277 - Development of existing Highway land to a Park & Ride facility with associated infrastructure	Flintshire County Council Planning Portal	High	Installation or upgrade of roads	2019, granted										32.0	30.1											
C20/0015/16/L - 5 industrial units	Gwydded Council Planning Portal	High	Building/housing developments	2020, granted										33.3	30.2											
PL/2019/249 - Erection of 14 dwellings	IOA CC Planning Portal	Medium	Building/housing developments	2019, submitted										38.2	30.2											
61573 - 40 new dwellings - application to renew unexpired outline planning permission	Flintshire County Council Planning Portal	Medium	Building/housing developments	2020, submitted										33.8	30.2											
59352 - Erection of 32 no. dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										33.6	30.3											
58310 - Erection of 24 no dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2018, granted										33.3	30.3											

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