

Appendix 3-2: Cumulative Impact Assessment Report



ORIEL WIND FARM PROJECT

Environmental Impact Assessment Report – Addendum Appendix 3-2: Cumulative Impact Assessment Report

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1 INTRODUCTION

This Addendum provides information to supplement the assessment of cumulative effects presented in the Environmental Impact Assessment Report (EIAR, 2024) for the Oriel Wind Farm Project (hereafter referred to as “the Project”). It has been prepared in response to a Request for Further Information (RFI) from An Coimisiún Pleanála (ACP) (formerly An Bord Pleanála) regarding the planning application (case reference ABP-319799-24) for the Project.

The assessment of cumulative effects is provided in the specialist chapters presented in EIAR volume 2B and 2C. A Cumulative Impact Assessment (CIA) Screening Annex is included in appendix 3-1 of volume 2A and it sets out the approach taken for the identification of other projects which the Project may interact to produce a cumulative impact.

Since the Applicant submitted the application, new or amended assessment materials have been published for projects that were included in the CIA and information has been published on new projects. This report presents an updated CIA that takes those new or amended projects into account. The report concludes whether the new information would alter the conclusions of the CIA in the EIAR.

This report presents an update to the CIA as requested by RFI 5. Table 1-1 outlines the specific information requested according to the referencing used in the ‘Schedule-Further Information Request’ provided by ACP. It also indicates where the corresponding information / responses can be found within this report.

The reader is directed to review the information presented in this report alongside the following documents in the EIAR (2024):

- Appendix 3-1: CIA Screening Annex (EIAR volume 2A); and
- Cumulative Impact Assessment (CIA) presented in subsection 11 of each chapter (e.g. 10.11) in the specialist assessments provided in EIAR volume 2B and 2C.

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Table 1-1: Further information requested on Cumulative Impact and details on Applicant's response,

Reference	Request for Further Information	Response / Reference to where information is presented	Concluding statement
Cumulative Impact			
5.	<p>The Board notes that cumulative assessment is addressed under each topic-specific chapter in the EIAR and addressed within EIAR Appendix 3-1: Cumulative Impact Assessment Screening Annex and Chapter 32 which deals with Interactions.</p> <p>The Marine Institute in its submission, includes commentary on the approach to cumulative effects assessment, and while there is no Irish standard methodology in relation to CEA, the Board notes that the applicant has followed the staged approach as outlined in Planning Inspectorate (PINS) (2019) Advice Note 17: Cumulative Effects Assessment Relevant to Nationally Significant Infrastructure Projects. It is advised that this Advice Note Version 2 was updated in September 2024, Nationally Significant Infrastructure Projects: Advice on Cumulative Effects Assessment - GOV.UK (NSIP, 2024).</p>	<p>n/a</p> <p>The Applicant has reviewed the advice note version 2 (updated in September 2024) and notes the following main changes.</p> <ul style="list-style-type: none"> • The core principles remain consistent in terms of the approach to screening and assessing projects i.e. establishing long and short lists of projects, information gathering and assessment. • The 2024 advice note refers to defining Zone of Influence (Zol) for each environmental aspect. • The 2024 advice note states that the assessment should be proportionate and no longer than necessary to identify and assess likely significant cumulative effects. It also states a precautionary but reasonable approach should be taken. • The 2024 advice note recommends that the CEA must be started early in project stages and be iterative at key milestones and integrated into the project design. • Re: mitigation, the 2024 advice note highlights that applicants should consider opportunities to develop holistic mitigation strategies in collaboration with other relevant bodies. 	<p>n/a</p> <p>The Applicant has considered the 2024 advice note in completing the updated CIA included in this report. The templates included in Annex 1 and 2 have been used to inform the assessment. Tiers have been assigned to the projects listed in Annex 1 and 2 to identify project certainty. Zols were also established for each environmental aspect (using GIS). Collaboration with other offshore wind farm developers in the Irish Sea has been ongoing and shared mitigation and monitoring requirements have been discussed e.g. developing a piling schedule to avoid concurrent piling with projects and implementation of monitoring programme (with agreed terms of reference) (see appendix 5-16: Monitoring Programme (EIAR volume 2A Addendum)).</p> <p>Overall the approach and methodology developed to establishing the projects for assessment and the cumulative assessment presented in the EIAR (2024) largely follows the principles in the 2024 advice note.</p>
	<p>Following the submission of other Irish Sea Phase 1 ORE projects for planning consent, (Arklow WF (ABP-319864-24), NISA WF (ABP-319866-24), Codling Wind Park (ABP-320768-24), and Dublin Array (ABP-321992-25)), the applicant is requested to update the CIA as appropriate and confirm that the Irish Sea Phase 1 ORE projects are assessed as Tier 1 ("Other existing and, or approved development submitted applications</p>	<p>The CIA has been updated and the results are included in this report.</p> <p>The Applicant confirms that the other Irish Sea Phase 1 ORE projects have been assessed as Tier 1 i.e. with the highest level of certainty. The Applicant also highlights that the same certainty was applied to the CIA in the EIAR.</p>	<p>The updated CIA (presented in section 3 of this report) has not resulted in any significant changes to the conclusions on cumulative impact assessment presented in the EIAR.</p>

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Reference	Request for Further Information	Response / Reference to where information is presented	Concluding statement
	under the Planning Act or other regimes but not yet determined”), and all other relevant developments in the International Council for the Exploration of the Sea (ICES) Celtic Sea and Greater North Sea ecoregions as appropriate. It is further requested that the applicant confirm that the now published documentation has been fully incorporated into the cumulative impact assessment. Any updates to the CIA, and in the interest of consistency and transparency, are requested be presented in a standalone document, and in accordance with the templates provided in the NSIPS guidance, namely “Appendix 1: Matrix 1 – Identification of ‘other development’ for CEA” and “Appendix 2: Matrix 1 – Assessment matrix” (see attached Appendix B).	<p>The Zol used for each specialist topic is described in appendix 3-1: CIA Screening Annex and in each of the topic assessment chapters in EIAR volume 2B and 2C along with the reasons for selecting the Zol.</p> <p>This report forms the standalone document. It provides an updated cumulative assessment on the projects considered in the EIAR.</p>	
	<p>The applicant is requested to update the application documentation, if necessary and where relevant.</p> <p>In the interests of comprehensiveness and for ease of reference, the applicant is encouraged to liaise with the other Irish Sea Phase 1 ORE Project applicants in the preparation of the above assessment and drafting of the tables attached in Appendix B.</p>	<p>The Applicant continued engagement with the other Irish Sea Phase 1 ORE Project applicants post receipt of the RFI. The applicants discussed the approach to updating the cumulative assessment and sharing of information relevant to the topic assessments.</p>	<p>The Applicant has updated the CIA using published available data. Engagement with the other Irish Sea Phase 1 ORE Project applicants has also informed the updated assessment.</p>

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2 METHODOLOGY

The methodology followed for this updated CIA report is aligned with the Planning Inspectorate Guidance on Nationally Significant Infrastructure Projects: Advice on Cumulative Effects Assessment (Planning Inspectorate, 2024).

Previously, information on projects, activities and plans was compiled in August 2023 and January 2024 from publicly available sources as outlined in appendix 3-1: CIA Screening Annex (EIAR volume 2A). Information on the other Phase 1 projects was compiled following engagement with the other developers between August 2022 and early 2024.

Since the application was submitted in May 2024, new projects and activities not previously considered in the CIA have entered the public domain either as part of a consent application or the publication of an EIA scoping report. In addition, new or updated assessment material (e.g. EIAR, NIS, AA screening) or a change in a project status (e.g. from planning to consent) has been published relating to projects, activities and plans previously considered in the assessment of cumulative / in combination effects.

The purpose of this document is to present an updated list of projects to be considered in the assessment of cumulative effects. To inform the updated assessment, the Applicant has completed the following:

- a review of updated information on the projects and activities considered in the EIAR to determine if the updated information could change the conclusions of the assessments presented in the application (see lists of updated projects in Annex 1A). The review of project information was undertaken in January 2025 and a further review was undertaken again in November 2025;
- the completion of an updated screening of new projects and activities in accordance with the methodology set out in appendix 3-1 of the EIAR to consider if there is potential for additional cumulative effects to arise (see lists of new projects Annex 1B). The search for new projects was undertaken in January 2025 and a further search of key projects (that are likely to result in cumulative effects) was undertaken in November 2025; and
- an update of the cumulative impact assessments for each topic and conclusion if there is a change to the CIA conclusions (see section 3).

The following sections provide details on the staged approach to completing these updates, details of which are provided in Annex 1A (list of updated projects) and 1B (list of new projects).

2.1 Identification of new project information

An update to the lists of projects presented in Annex 1.1- Annex 1.6 in appendix 3-1: CIA Screening Annex (EIAR volume 2A) was completed based on publicly available information made on project or government websites (see Table 1-2 and Table 1-4 for data sources in appendix 3-1: CIA Screening Annex). In addition to these sources, searches were undertaken of MARA website for applications and determinations of Maritime Area Consents (MACs) and applications and determinations of Maritime Usage Licences (MULs)¹. This website was not available previously when the list of projects was compiled in appendix 3-1: CIA Screening Annex (EIAR volume 2A).

The update consists of including changes to existing projects on the lists in Annex 1.1- Annex 1.6 in appendix 3-1: CIA Screening Annex (EIAR volume 2A) as well as creating a new list for additional projects published since these lists were prepared (in August 2023).

¹ The definitions used to describe the status of projects in the offshore and onshore lists are described in Table 2-1 in appendix 3-1: CIA Screening Annex. Three new definitions have been included with the inclusion of MARA projects as follows

MAC Consent (Application)	Project has made an application for a MAC consent
MUL	Project has been granted a Maritime Usage Licence (MUL)
MUL (Application)	Project has made an application for a MUL

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Projects that were identified as having substantial additional assessment material published since the Project CIA was produced are included in Matrix 1 (see Annex 1A). Substantial assessment material includes:

- Projects where the status of the project changed, for example from submitted for planning to consented (or from pre-application to planning);
- Other new information has become available that could potentially lead to a change in the assessment conclusions of the Project CIA e.g. an EIAR is now published; and
- New projects not considered in the Project CIA which have been identified in the screening process.

Minor updates to existing projects which did not constitute substantial assessment material (for example, updates to project names, project developers, etc.) have not been considered.

2.2 Topic screening of new project information

Updated or new project information has been screened on a topic-by-topic basis to identify projects to be taken forward for the updated CIA provided in section 3 of this report.

2.2.1 Updated projects

The screening process for updated projects is outlined in Figure 2-1 and described below:

- Updated projects were identified through review of the lists of projects presented Annex 1.1- Annex 1.6 in appendix 3-1: CIA Screening Annex and are presented in stage 1 in Matrix 1 included in Annex 1A.
- The screening considered the updated project information for any changes in spatial and temporal overlap and if the project was relevant to the assessment for that topic (considering the criteria in Table 1–6: Screening criteria for cumulative impact assessment in appendix 3-1: CIA Screening Annex) (stage 2 in Matrix 1).
- The updated information was reviewed to determine if this could result in any change to the cumulative assessment for each impact compared to that assessed in the Project CIA. Where a change/update was identified, the screening considered whether the change could lead to an increase in the impacts assessed for each topic compared to that assessed in the Project CIA. Where there is potential for an increase in potential effects, the updated information was examined (in Matrix 2) to determine if it could alter the conclusions of the CIA (and in-combination assessment) presented in the application. Projects which have no potential to result in any change were screened out of the CIA review i.e. not considered for stage 3/4 in Matrix 2).

The results of the screening process for updated projects are presented in Matrix 1 'updated projects' for each topic.

2.2.2 New projects

The screening process for new projects is outlined in Figure 2-2 and described below:

- New projects are identified through completion of a search of consent applications and any other available sources to identify projects and activities falling within the defined ZOI (stage 1 in Matrix 1 included in Annex 1B). Projects beyond the ZOI were screened out of the CIA review.
- Information was screened to identify whether there is spatial or temporal overlap between the Project and the Project for each topic (i.e. a physical effect-receptor pathway) (stage 2 in Matrix 1).
- The screening considered the scale and nature of the project and whether the new project information was relevant to the assessment for that topic (considering the criteria in Table 1–6: Screening criteria for cumulative impact assessment in appendix 3-1: CIA Screening Annex (EIAR volume 2A)). Where a potential cumulative effect exists, projects were screened into the CIA review (stage 2 in Matrix 1).
- The screening then considered whether the new project information could lead to an increase in the impacts assessed for each topic compared to that which has been assessed in the Project CIA (in Matrix 2 and section 3 of this report); and if the new project information could alter the conclusions of the CIA presented in the application. Projects which had no potential to result in any change were screened out of the CIA review (i.e. not considered for stage 3/4 in Matrix 2).

The results of the screening process for new projects are presented in Matrix 1 'new projects' for each topic.

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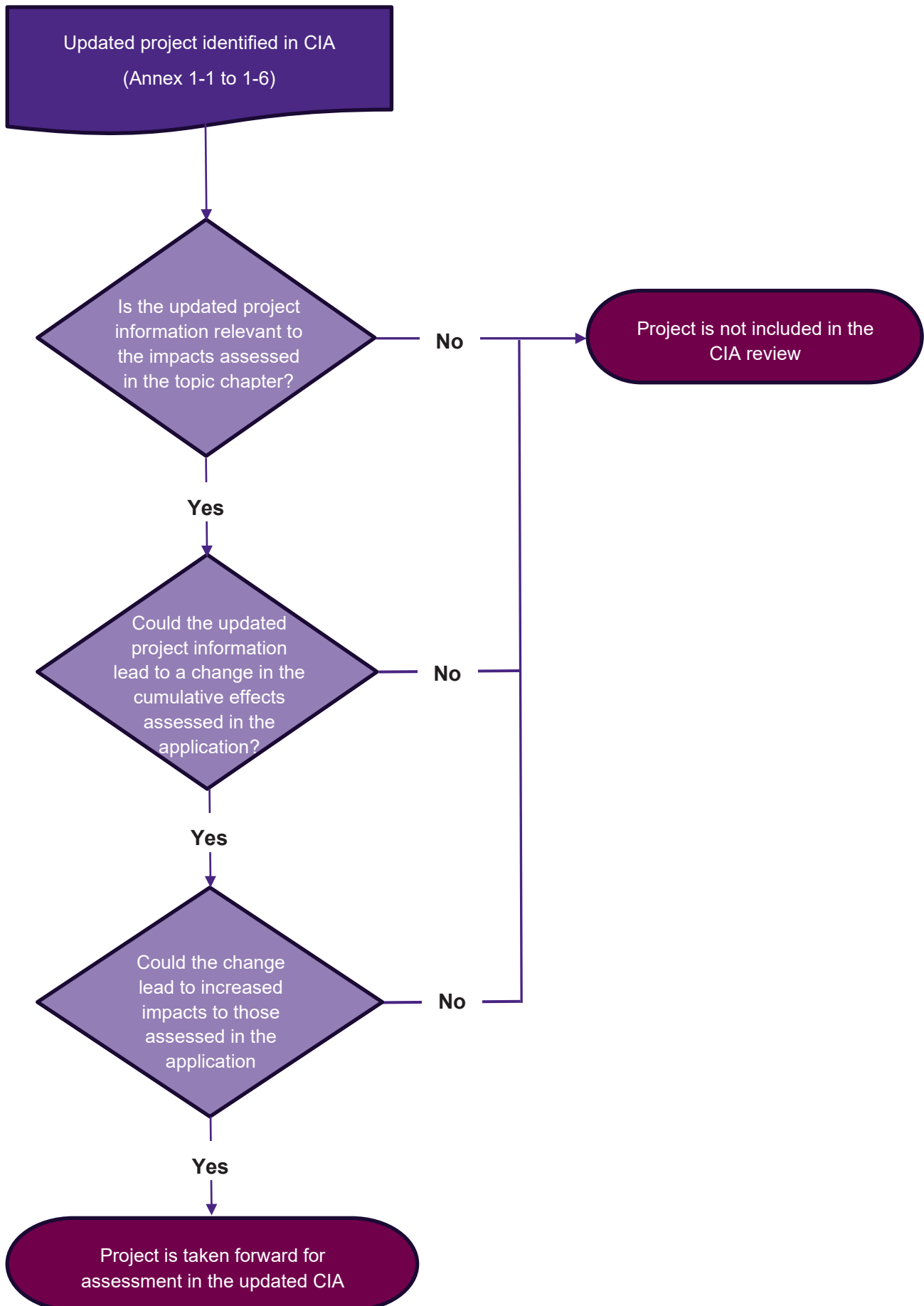


Figure 2-1: Flow chart for CIA screening process (Updated projects).

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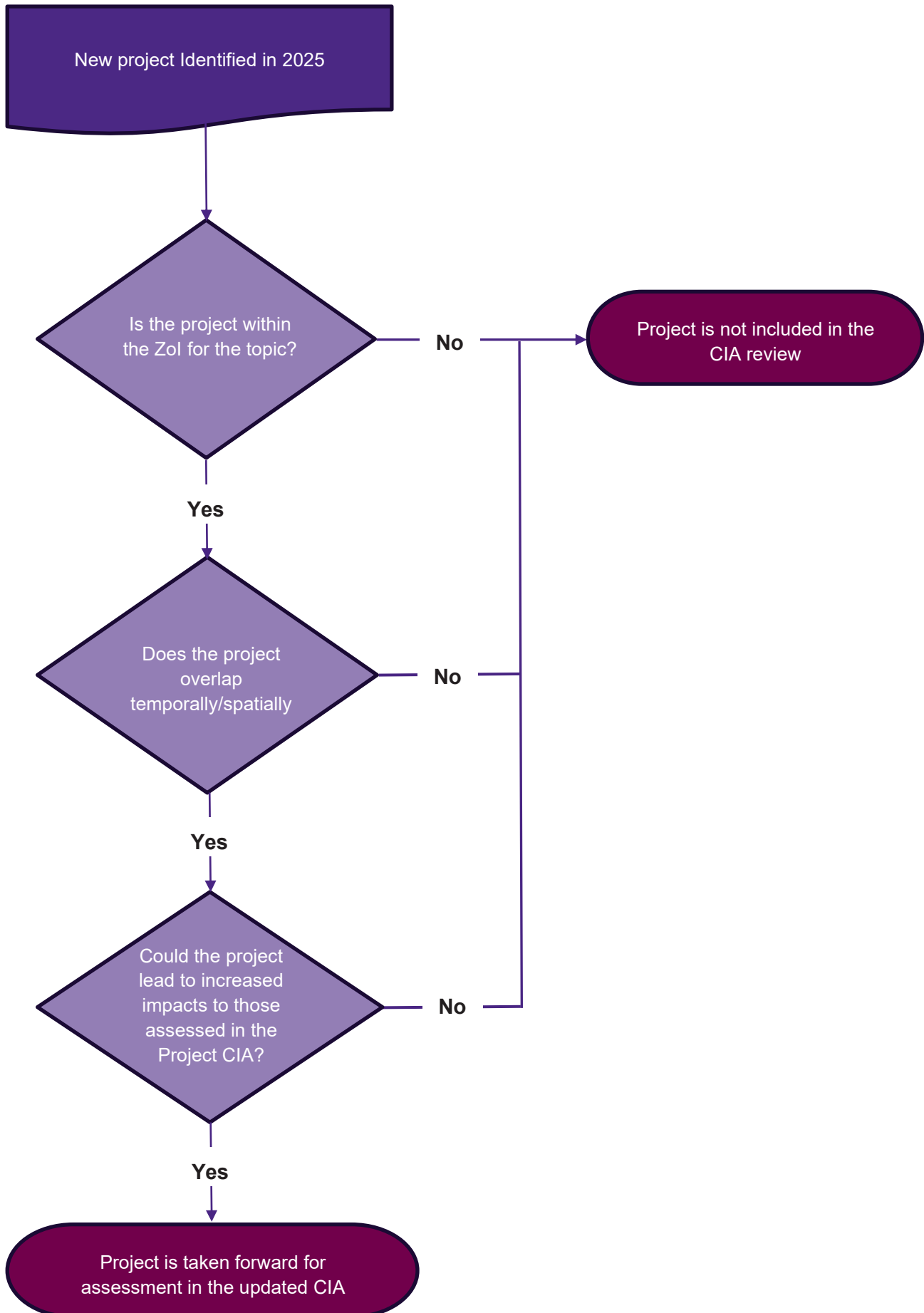


Figure 2-2: Flow chart for CIA screening process (New projects).

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Two separate lists of projects, which have been reviewed for potential cumulative effects are provided in Matrix 1 in Annex 1A and Annex 1B as follows:

- List of updated projects (these projects were considered in the application (2024) but further information is available for consideration in the updated CIA); and
- List of new projects (not considered in the application (2024)).

List are provided by topic e.g. marine processes, offshore ornithology, onshore biodiversity.

2.2.3 Key assumptions

Using the same approach to shortlist projects as outlined in appendix 3-1: CIA Screening Annex, the Stage 1 list of projects was screened in accordance with the following key assumptions in order to provide a stage 3/4 list. This is included in Matrix 1.

- **Temporal scope:** The expected programme for construction has been extended to what was considered in the CIA in the EIAR. The following timelines have been used in the updated screening:
 - The earliest possible construction commencement date of Q2 2028 has been assumed for the Project.
 - Offshore construction is assumed to commence in Q4 2028 for approximately 15 months. Therefore, projects screened into Stage 2 with a licence/lease that expires before the end of 2027, were screened out / excluded on the basis of no temporal overlap with the Project (see columns titled 'Temporal overlap' on stage 1 list) on precautionary basis.
 - Onshore construction is assumed to commence in Q2 2028 for approximately 27 months.
 - Operation to commence in Q2 2030.
- **Scale and nature of development:** All pre application projects (early concept) were screened out due to uncertainty and the limited available information on the project (including programme) to allow a cumulative assessment to be undertaken; and
- **Other factors:**
 - For the updated list of projects, the updated information was examined to understand if the updates were:
 - Relevant to the impacts considered for each topic; and
 - If relevant, do the updates lead to increased impact to those impacts assessed.
 - For the new list of projects, if there was spatial/temporal overlap and potential for likely significant effects because of the scale and nature of the development, the project was screened in for assessment in stage 3/4

Matrix 1 (Annex 1A and Annex 1B) provides the results of the screening exercise carried out to determine if a project is taken forward into the updated CIA (stages 3/4), as per the process described Figure 2-1 and Figure 2-2.

2.3 Information gathering and assessment

Projects shown in green in column titled 'Progress to Stage 3/4' in both the updated list of projects and the new list of projects are assessed in the updated CIA in the sub-sections below. Justification is provided for all projects screened out of the CIA review in Matrix 1 in accordance with criteria included in Table 1–6: Screening criteria for cumulative impact assessment (in appendix 3-1: CIA Screening Annex) and also considering the extent of new information available as outlined above. This includes examining if the project updates are relevant to the impacts considered for this topic and if so, do they have the potential to lead to increased impacts to those assessed in the EIAR. All projects screened into stage 3/4 (as indicated in green in the last column in Matrix 1) were brought through for further assessment by each of the topic specialists. This involved gathering and examining the further available published information on impact assessments, project details etc. and completing an updated CIA, which is presented in section 3 of this report.

3 UPDATED CUMULATIVE IMPACT ASSESSMENT

The following subsections provide an updated CIA for those topics where new or updated projects were screened in for further assessment.

To assist the reader in understanding the changes in projects considered, an updated table which identifies the 'List of other projects considered within the CIA' (provided in the EIAR chapters in volume 2B and 2C) is provided for each assessment. Project changes are shown in blue / strikethrough text and new projects are shown in blue text. Projects that were listed in the EIAR (2024), which are shown in strikethrough text in section 3, have been screened out of the CIA as they no longer have potential for significant cumulative effect (see Annex 1A for further details on projects which were screened out).

There were no changes to the following topics assessed in EIAR volume 2B for the reasons set out below:

- Aviation, Military, and Communications - As impacts on aviation were scoped out, there is no potential for cumulative effects. No new or updated projects were screened into the Zol for communications as no projects were located within the 1 km study area.
- Marine Archaeology - There were no updated or new projects within the Zol for marine archaeology.

There were no changes to the following topics included in EIAR volume 2C for the reasons set out below:

- Land and Agriculture – There were no updated or new projects within the Zol for land and agriculture.
- Hydrology and Flood Risk - There were no updated or new projects within the Zol for hydrology.
- Air quality – There were no updated or new projects within the Zol for air quality.
- Cultural Heritage – There were no updated or new projects within the Zol for cultural heritage. However, see appendix 27-2: World Heritage Site Assessment for details which provides an additional cumulative assessment on the Brú na Bóinne UNESCO site. It concludes that there is no cumulative pathway through which the Project, either alone or in combination with other offshore developments, could affect the Outstanding Universal Value of the World Heritage Site.
- Material Assets– There were no updated or new projects within the Zol for material assets.
- Resource and Waste Management – There were no updated or new projects within the Zol for resource and waste management.

Updated and new projects were screened for the following onshore topics, but no projects were screened in for the updated CIA (i.e. for assessment for inclusion in section 3 of this report) for the reasons below.

- Onshore Biodiversity – A number of projects were screened for potential cumulative impacts with the Project but none were brought for further assessment.
- Soils, Geology and Hydrogeology – one project was screened into the Zol however it was determined to not have potential for cumulative impacts with the Project and so was not brought for further assessment.
- Airborne Noise and Vibration – The one survey project that was screened in for CIA in the EIAR is now noted as withdrawn by the developer and therefore no projects screen in for CIA for this topic. Chapter 25: Airborne Noise and Vibration predicted no significant effects and the updated screening amends this to no potential for cumulative effects.
- Traffic and Transport – A number of projects were screened for potential cumulative impacts with the Project but none were brought for further assessment.
- Population and Human Health – A number of projects were screened for potential cumulative impacts relating to population with the Project, but none were brought for further assessment. As the cumulative impact assessment for human health is informed by the conclusions set out in other assessments (see chapter 18: Population and Human Health (EIAR volume 2C), and since there has been no change to the conclusions of the updated cumulative assessments for these topics, there is no change to the conclusion of the cumulative assessment for population and human health.
- Seascape, Landscape and Visual Amenity – Further screening of projects in proximity to the proposed onshore substation and the underground cable route has been undertaken. It is considered that none of the identified projects will alter the findings of the SLVIA Cumulative Assessment as the proposed development identified are either located within the built form of Ardee or have no cumulative visual

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effect due to screening provided by intervening topographical changes or landscape features. In response to RFI 12.B, a review of the cumulative impact of the Project on the Boyne Valley is provided in section 3.10.2.

Matrix 2 in Annex 2 provides an overall summary of updated CIAs described in this section. Due to the level of additional information provided in the updated CIAs, the Applicant has presented the details on the updated CIAs in section 3 of this report to facilitate the reader and allow cross referencing to the list of projects presented in the topic assessments in EIAR volume 2B and 2C. As outlined above, changes from the projects presented in the EIAR (2024) are shown in blue / strikethrough text and all new projects included in the assessment are shown in blue text.

The assessment presented in section titled 'updated CIA' provides an update on the assessments presented in the EIAR. This update should be read alongside the cumulative impact assessment in the EIAR.

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3.1 Marine Processes

3.1.1 Updated list of projects

The projects screened into the CIA for Marine Processes are outlined in Table 3-1. The locations of screened in projects in relation to the Project are illustrated in Figure 3-1.

Table 3-1: Updated list of other projects considered within the CIA for Marine Processes*.

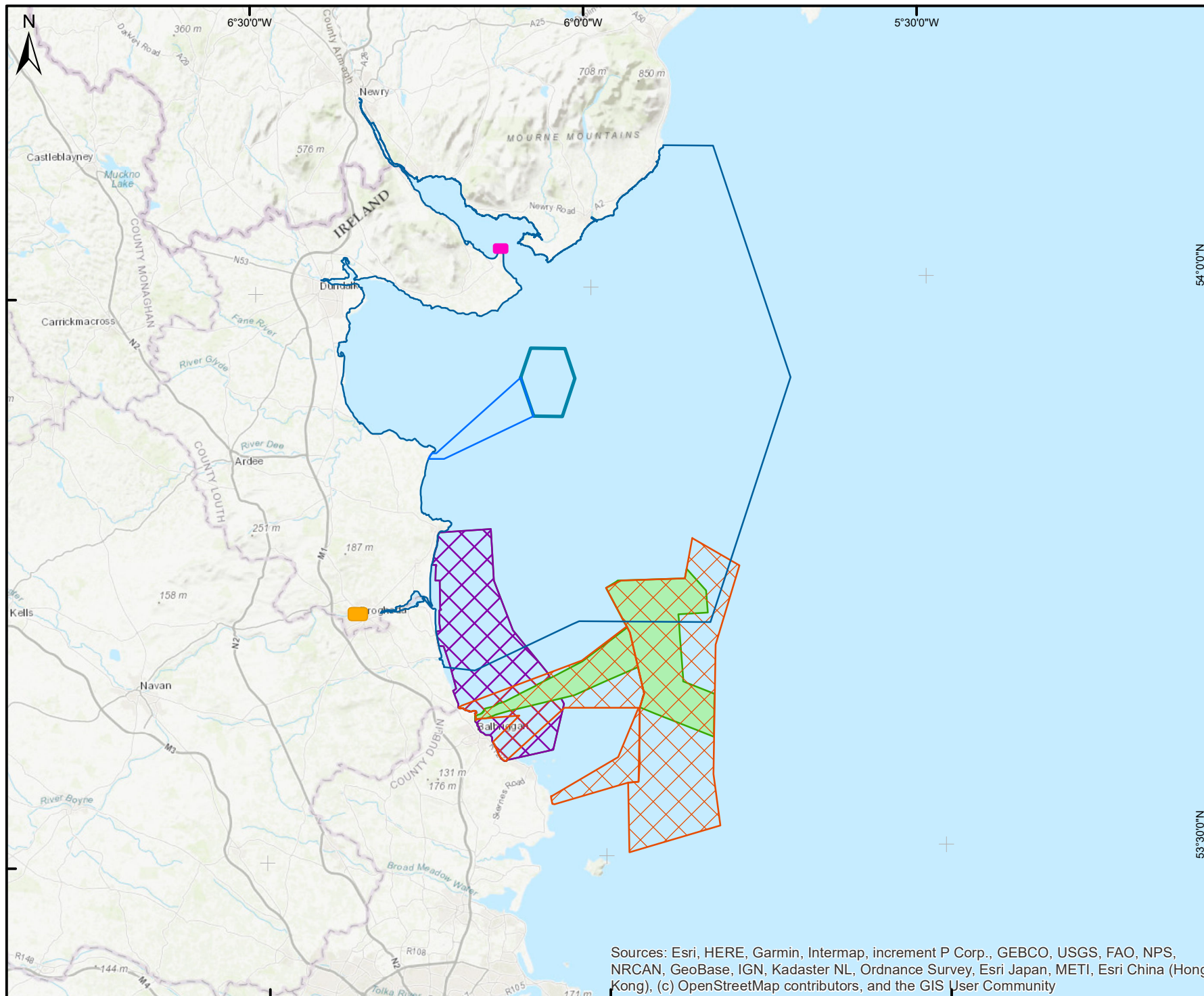
Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
North Irish Sea Array (NISA)	Maritime Area Consent; Planning	16.2	18.1	EIA Scoping Report (2021) refers to the construction of an offshore wind farm of up to 500 MW, consisting of 36 turbines with a maximum height of 320 m and rotor diameter of up to 290 m. Offshore substation platforms may be required. EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276 m. One offshore substation is required. The proposed export capacity is 700 MW ²	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Screened in due to potential for construction and operational phase to coincide with the construction and/or operational and maintenance phases of the Project. Potential cumulative impact to sediment concentration/transport and pollution from accidental spills/contaminants.
Greenore Port Project	MAC received and	9.9	12.4	EIAR (2024) details the construction of an ORE O&M Facility at Greenore Port as a support base for three offshore	3 years estimated 2025 to 2028	60 years	Screened in due to potential for construction and operational phase to coincide with the construction and/or operational and maintenance

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

² <https://northirishsearraysid.ie/>

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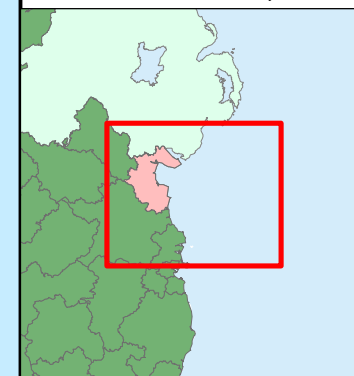
Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
	Planning consented			windfarms on the East Coast of Ireland. It will require a pontoon to accommodate Crew Transfer Vessels. Dredging within the nearshore and the construction of a new quay wall is also required.			phases of the Project. Potential cumulative impact to sediment concentration/transport and pollution from accidental spills/contaminants.
Bremore Ireland Port Designated Activity Company (BIPDAC)	Maritime Usage Licence applied	11.9	7.2	Site investigations to inform the location and design of a proposed port infrastructure in Dublin and Meath.	Unknown	Unknown	Screened in due to potential for investigations to coincide with the construction and/or operational and maintenance phases of the Project. Potential cumulative impact to sediment concentrations/transport and pollution from accidental spills/contaminants.
Upgrade of water mains infrastructure beneath Rover Boyne, Drogheda, County Louth	MAC applied	25.9	16.8	Essential upgrade of water infrastructure, consisting of installation of a new High Density Polyethylene (HDPE) 300mm Internal Diameter (ID) main, over an approximate 65m length, passing beneath the River Boyne to the west of the Bridge of Peace.	Unknown	Unknown	Screened in due to potential for construction and operational phase to coincide with the construction and/or operational and maintenance phases of the Project. Potential cumulative impact to sediment concentrations/transport and pollution from accidental spills/contaminants.
NISA Site Investigations	MAC received	16.9	18.1	Site investigation activities to inform the development of the North Irish Sea Array (NISA) offshore windfarm (OWF) and export cable, off the coasts of counties Dublin, Meath and Louth. These site investigations include hydrological and geophysical, geotechnical, metocean, ecological, archaeological and water quality surveys.	-	Licence term for site investigations is seven years from 2024 to 2031	Screened in due to potential for investigations to coincide with the construction and/or operational and maintenance phases of the Project. Potential cumulative impact to sediment concentrations/transport and pollution from accidental spills/contaminants.



Legend

- Project Offshore Wind Farm Area
- Project Offshore Cable Corridor
- Cumulative Benthic Subtidal and Intertidal Ecology Study Area
- Statkraft North Irish Sea Array (NISA)
- NISA Site investigations (LIC230001)
- Bremore Ireland Port Designated Activity Company (MUL240011)
- Upgrade of water mains infrastructure (MAC20240008)
- Greenore Port ORE O&M Facility (MAC20230003)

Data Sources: Client, Ordnance Survey Ireland, RPS



Client



Project

Oriel Wind Farm Project

Title **Figure 3-1**
Other projects screened into the
Cumulative Impact Assessment for
Marine Processes



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Issue Details

Drawn By: MJ	Project No. MDR1520C
Checked By: MJ	File Ref:
Approved By: CC	MDR1520C_MP_E_1108_FINAL
Scale: 1:500,000 @ A4	Projection:
Date: 04/12/2025	ITM (IRENET95)
	Geographic Co-ordinates: ETRS89

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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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3.1.2 Updated CIA

Table 3-2: Review of project updates that may affect cumulative impact assessment with the Project for Marine Processes.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Marine Processes (volume 2B, chapter 7 & volume 2B Addendum, chapter 7 Addendum)	<p>Increased suspended sediment concentrations and associated deposition</p> <p>Increased suspended sediment concentrations and associated deposition may arise due to the installation of the WTG and OSS foundations, the installation and/or maintenance of inter-array cables and the offshore cable and associated decommissioning activities. Should those projects considered take place concurrently with Project construction, operation and maintenance or decommissioning activities, there is potential for cumulative increased turbidity levels.</p> <p>Magnitude of impact</p> <p>The magnitude of the increase in suspended sediment concentrations and associated deposition arising from Project activities has been assessed as negligible for the project alone, as described in section 7.10 of chapter 7: Marine Processes (EIAR, volume 2B) for the construction, operational and maintenance and decommissioning phases.</p> <p>The Greenore Port Project operation and maintenance facility which is proposed to serve as a support base for future offshore wind developments in the Irish Sea, is located at the mouth of Carlingford Lough, c.10 km north of the Project. Although there is potential for the development to temporarily increase suspended sediments, it is unlikely that a significant overlap would arise, as the plume extending from the offshore wind farm area will enter Carlingford Lough at background levels i.e. 5 mg/l.</p> <p>The site investigations to be undertaken by BIPDAC to the south of the Project will include the use of boreholes which may temporarily mobilise sediments, however, this will cause minimal disturbance to the seabed and thus the impact to increased SSC and subsequent deposition would be so negligible that no significant cumulative impact would arise.</p> <p>As a result of the water mains works to be undertaken beneath the River Boyne, increased suspended sediment concentrations may arise. However, due to the scale of project (300mm Internal Diameter (ID) main, over an approximate 65 m length) combined with the considerable distance from the maximum cable installation plume means no cumulative impact would arise.</p> <p>NISA is proposed south/southeast of the Project and may see the construction of up to 49 turbines, 111 km of inter-array cabling, and 18 km of export cabling subject to planning decision. Although the exact method of turbine installation is unknown, it has been assumed that there is the potential for sediment plumes to overlap and result in increased sediment plume concentration. Associated site investigations were also considered but given the distance between the Project and these site investigations, it is considered unlikely for cumulative impacts to arise.</p> <p>Overall, the cumulative impact is predicted to be of local spatial extent, short term duration, intermittent and high reversibility. It is predicted that the impact will affect the receptor indirectly. The nature of the sediments and the absence of a contaminant source in this area means that the potential for the disturbance of sediment contaminants is very low. The magnitude of the impact from increased suspended sediment concentrations and associated deposition is therefore, considered to be negligible.</p>	The addition of the proposed projects as well as further information regarding the NISA Offshore Windfarm will not result in any changes to the conclusions of the EIAR CIA.

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
	<p>Sensitivity of receptor and significance of the effect</p> <p>The sensitivity of the receptor for cumulative effects remains the same as for the effects of increases in suspended sediment concentrations in the construction phase as outline in section 7.10 of chapter 7: Marine Processes (EIAR volume 2B).</p> <p>There is the potential for sediment plume overlap with those incurred by the installation, operation and maintenance and decommissioning of the NISA Project (subject to final design). However, given the distance between the Project and the site, as well as the extents of the Project modelled sediment plumes on the northern boundary of the offshore area and southern border of the offshore area respectively, the potential for interaction is likely to be limited. All other receptors are unaffected.</p> <p>Overall, the magnitude of the impact is deemed to be negligible, and the sensitivity of the receptor is considered to be low and high (for marine water quality). The effect will, therefore, be of imperceptible and slight (for marine water quality) adverse significance, which is not significant in EIA terms.</p>	
	<p>Impact of pollution caused by accidental spills/contaminants</p> <p>Should those projects considered take place concurrently with Project construction, operation and maintenance or decommissioning activities, there is potential for cumulative increased turbidity levels.</p> <p>Magnitude of impact</p> <p>Pollution prevention measures to address the risk from accidental spills and contaminants during construction should they arise are included in the following supporting management plans:</p> <ul style="list-style-type: none"> • Construction Environmental Management Plan (appendix 5-1 (EIAR volume 2A and EIAR volume 2A Addendum,); • Marine Pollution Contingency Plan (MPCP) (appendix 5-2 (EIAR volume 2A and EIAR volume 2A Addendum (see annex 2); and • Emergency Response Co-operation Plan (appendix 5-7 (EIAR volume 2A)). <p>Provided these measures are implemented, there should be no risk of the Project causing a deterioration in the overall coastal water body status, water dependent protected areas under the WFD or GES of the marine waters under the MSFD.</p> <p>Given the location of the other projects considered within different coastal water bodies and a different part of the Irish Sea and the measures included in the Project the cumulative magnitude of the impact will remain low.</p> <p>Sensitivity of the receptor</p> <p>The sensitivity of the Louth Coast and Outer Dundalk Bay coastal water bodies and the marine waters, within which the WTG and offshore substation are located, to pollution caused by accidental spills/contaminants remains high as these coastal waterbodies are currently achieving high ecological status and therefore are vulnerable to pollution effects which could result in a deterioration of the ecological and chemical status. In addition the marine waters are currently achieving GES for the qualitative descriptor “contaminants in water and biota” and pollution caused by accidental spills/contaminants could result in a deterioration in the environmental status of this qualitative descriptor which would compromise the achievement of the objectives under the MSFD. On this basis the sensitivity of the marine water quality to pollution caused by accidental spills/contaminants is considered to be high.</p>	

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
	<p>Significance of the effect</p> <p>With the implementation of measures as outlined in section 7.8 and Table 7-14 of chapter 7: Marine Processes (EIAR volume 2B), the significance of the cumulative impact of pollution caused by accidental spills/contaminants will be low. A low magnitude of impact on a high sensitivity receptor results in a significance of effect of slight (based on Table 7-18 (EIAR volume 2B)) which is not significant in EIA terms.</p> <p>Operational and maintenance phase</p> <p>Magnitude of impact</p> <p>Pollution from accidental spills/contaminant release may impact on coastal water bodies and marine waters during the operational and maintenance phases. Routine maintenance and servicing of the offshore infrastructure can have impacts on the supporting elements of coastal water bodies namely physico-chemical and chemical supporting elements of the Louth Coast and Outer Dundalk Bay coastal waterbodies. However given the separation distances between projects and the industry best practice measures in terms of the drainage design of the WTG and offshore substation and operational pollution prevention plans as outlined in section 7.8 and Table 7-14 of chapter 7: Marine Processes (EIAR volume 2B), the potential for cumulative effects is not considered significant and the magnitude of the cumulative impact from pollution caused by accidental spills/contaminants during the operational and maintenance phase is considered to remain low.</p> <p>Sensitivity of the receptor</p> <p>The sensitivity of receptors to pollution caused by accidental spills/contaminants remains the same for all project phases. The significance of the effects will however be reduced during the operation and maintenance phase as the works are limited to intermittent, discrete maintenance and repair activities.</p> <p>Overall, the magnitude of the impact is deemed to be low, and the sensitivity of the receptor is considered to be high due to the current classification of the water bodies affected and the fact that the study area is achieving its objectives in terms of the WFD and the MSFD. The effect will, therefore, be of slight adverse significance, which is not significant in EIA terms.</p> <p>Significance of the effect</p> <p>With the implementation of mitigation measures, the significance of the impact of pollution caused by accidental spills/contaminants will be low. A low magnitude of impact on a high sensitivity receptor results in a significance of effect of slight which is not significant in EIA terms.</p>	
	<p>Decommissioning Phase</p> <p>Wind turbines and the offshore substation topside will be removed by reversing the methods used to install them for disassembly and reuse, recycling or disposal onshore. Decommissioning of the foundations is expected to involve cutting and removal of monopile foundations below seabed whilst the removal of inter-array and offshore cables would involve disturbance of seabed material from a trench with the same dimension as that into which they were installed. As such, the significance of cumulative effects from decommissioning activities are expected to be the same or similar to the effects from construction.</p>	

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3.2 Benthic Subtidal and Intertidal Ecology

3.2.1 Updated list of projects

The projects screened into the CIA for Benthic Subtidal and Intertidal Ecology are outlined in Table 3-3. The locations of screened in projects in relation to the Project are illustrated in Figure 3-2.

Table 3-3: Updated list of other projects considered within the CIA for Benthic Subtidal and Intertidal Ecology*.

Project	Status	Approximate Distance from offshore wind farm area (km)	Approximate Distance from Offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Offshore Wind Farms							
North Irish Sea Array (NISA)	Maritime Area Consent; Planning	16.2	18.1	EIA Scoping Report (2021) refers to the construction of an offshore wind farm of up to 500 MW, consisting of 36 turbines with a maximum height of 320 m and rotor diameter of up to 290 m. Offshore substation platforms may be required³. EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required. The proposed export capacity is 700 MW.⁴	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction and operational phases to overlap with the Project. Potential for overlap for impacts such as SSC, habitat loss (temporary and long term) and colonisation of hard substrates.

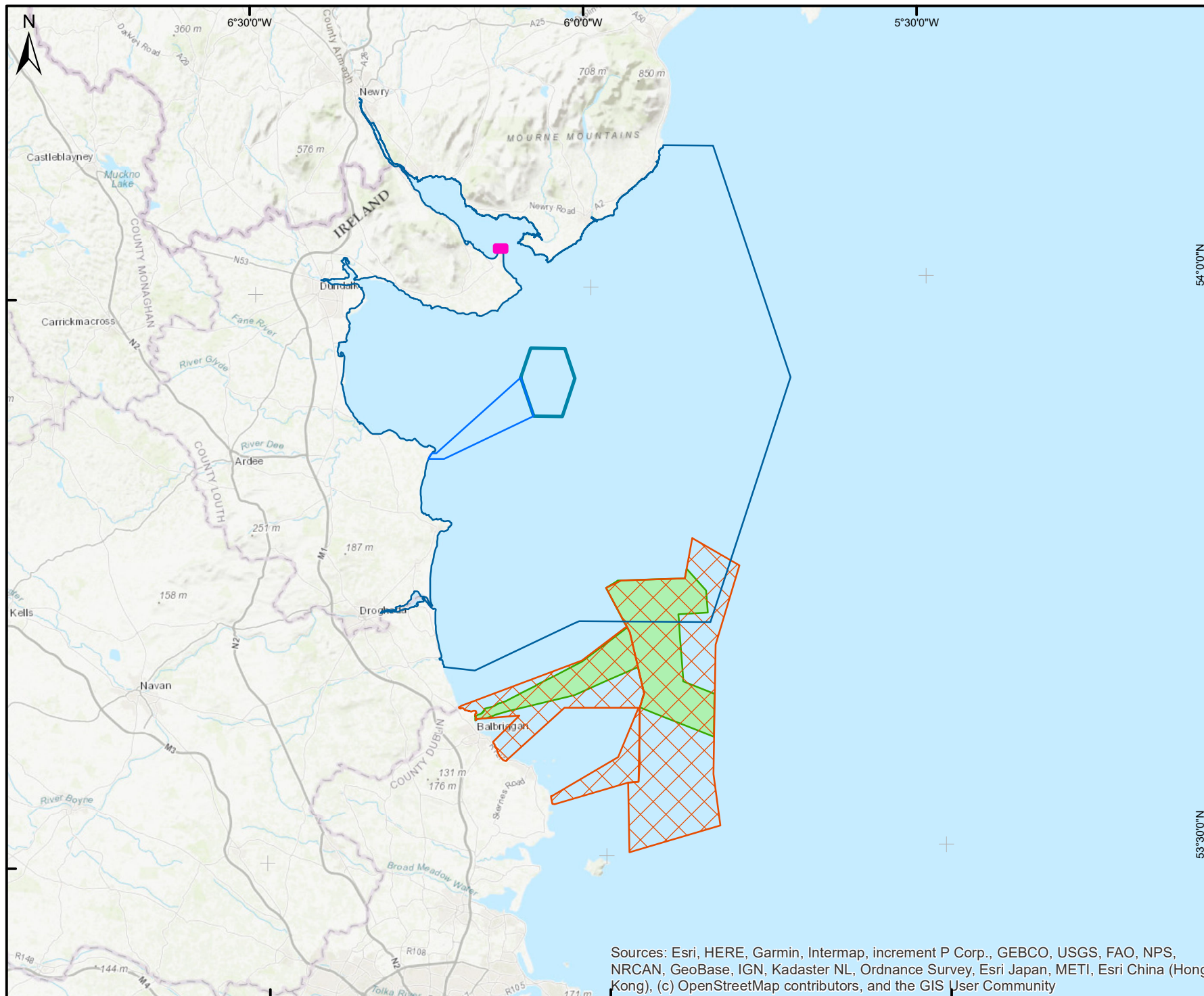
* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

³ Project website <https://northirishsearray.ie/> states that wind farm will consist of 35 to 46 turbines.

⁴ <https://northirishsearraysid.ie/>

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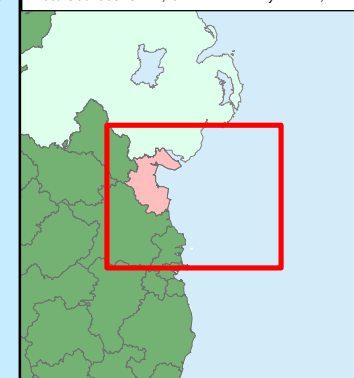
Project	Status	Approximate Distance from offshore wind farm area (km)	Approximate Distance from Offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Greenore Port Project	MAC received and Planning consented	9.9	12.4	EIAR (2024) details ORE O&M Facility at Greenore Port as a support base for three offshore windfarms on the East Coast of Ireland. It will require a pontoon to accommodate Crew Transfer Vessels. Dredging within the nearshore and the construction of a new quay wall is also required.	3 years estimated 2025 to 2028	60 years	Potential for construction and operational phases to overlap with the Project. Potential for overlap for impacts such as SSC, habitat loss (temporary and long term) and colonisation of hard substrates.
Site Investigations							
NISA Site Investigations	MAC received	16.9	18.1	Site investigation activities to inform the development of the North Irish Sea Array (NISA) offshore windfarm (OWF) and export cable, off the coasts of counties Dublin, Meath and Louth. These site investigations include hydrological and geophysical, geotechnical, metocean, ecological, archaeological and water quality surveys.	-	Licence term for site investigations is seven years from 2024 to 2031	Potential for construction and operational phases to overlap with the Project. Potential for overlap for impacts such as SSC, habitat loss (temporary and long term) and colonisation of hard substrates.



Legend

- Project Offshore Wind Farm Area
- Project Offshore Cable Corridor
- Cumulative Benthic Subtidal and Intertidal Ecology Study Area
- Statkraft North Irish Sea Array (NISA)
- NISA Site investigations (LIC230001)
- Greenore Port ORE O&M Facility (MAC20230003)

Data Sources: Client, Ordnance Survey Ireland, RPS



Client



Project

Oriel Wind Farm Project

Title **Figure 3-2**
Other projects screened in for
cumulative assessment for Benthic
Subtidal and Intertidal Ecology



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Issue Details

Drawn By: MJ	Project No. MDR1520C
Checked By: MJ	File Ref:
Approved By: CC	MDR1520C_BEN_E_1108_FINAL
Scale: 1:500,000 @ A4	Projection:
Date: 04/12/2025	ITM (IRENET95)
	Geographic Co-ordinates: ETRS89

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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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3.2.2 Updated CIA

Table 3-4: Review of project updates that may affect cumulative impact assessment with the Project for Benthic Subtidal and Intertidal Ecology.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Benthic Subtidal and Intertidal Ecology (volume 2B, chapter 8 & volume 2B Addendum, chapter 8 Addendum)	<p>Temporary Subtidal Habitat Loss/Disturbance</p> <p>The proposed Greenore Port Operations and Maintenance Facilities at Greenore Port will result in abrasion and disturbance due to construction activities however the disturbance will be limited to the development footprint adjacent to the quay wall and the dredge area (Greenore Port Unlimited Company, 2024).</p> <p>The North Irish Sea Array (NISA) Offshore Wind Farm may result in up to 6.3 km² of temporary habitat disturbance/loss within the array area and export cable corridor (North Irish Sea Array Windfarm Ltd, 2024). It is predicted that 4.8 km² of the temporary habitat disturbance/loss will be within the array area as a result of seabed preparations for foundations, jack-up barge operations and the installation and burial of inter-array and interconnector cables (North Irish Sea Array Windfarm Ltd, 2024). It is predicted that 1.4 km² of the temporary habitat disturbance/loss will be within the export cable corridor as a result of seabed preparation, export cable installation, burial and jointing.</p> <p>Additionally the NISA Offshore Wind Farm has obtained a license for site investigation surveys over a seven year period starting in 2024. This will include benthic subtidal surveys as well as geotechnical surveys which may small amounts of disturbance to the seabed. The amount of disturbance has not been quantified as a part of this application, though due to the nature of the works, these will be minimal.</p> <p>The quantification of the above projects in relation to the temporary habitat disturbance/loss impact does not change the conclusion provided in the EIAR. As outlined in the EIAR, the NISA Offshore Wind Farm was estimated to have a similar level of impact as the Oriel Wind Farm Project. The NISA Offshore Wind Farm is estimating higher levels of temporary habitat disturbance compared to the Project however only a small proportion of the NISA array area overlaps with the cumulative benthic subtidal and intertidal ecology study area. Furthermore the site investigation surveys for NISA will only result in highly localised disturbances as a result of the extraction of samples. The proposed Greenore Port Operations and Maintenance Facilities at Greenore Port will result in disturbance during construction however during operation habitat disturbance will be minimal. The sensitivity of the subtidal important ecological features (IEFs) to disturbance from surface abrasion and substratum penetration ranges from low to medium for this impact pathway, with all IEFs expected to recover over a period of years following the cessation of activities (e.g. two to six years for the Subtidal Infralittoral Rock IEF). Overall the impact of these projects within the cumulative benthic subtidal and intertidal ecology study area will be small and local in terms of spatial extent as well as short term, reversible and intermittent in all phases of the Oriel Wind Farm Project therefore the effect remains slight adverse significance.</p> <p>Increased Suspended Sediment Concentrations and Associated Sediment Deposition</p> <p>The proposed Greenore Port Operations and Maintenance Facilities at Greenore Port will be active throughout all phases of the Oriel Wind Farm Project however construction works will only be undertaken within the construction phase. The Greenore Port Project will involve the dredging and construction works in the marine environment to facilitate the creation of new Operations and Maintenance Facilities (Greenore Port Unlimited Company, 2024). Greenore Port Project does not provide a quantification of its impact in regard to increased levels of suspended sediment concentration and associated deposition however the impact is likely to be small and highly localised (Greenore Port Unlimited Company, 2024).</p>	<p>The addition of the proposed Greenore Port Operations and Maintenance Facilities at Greenore Port as well as further information regarding the NISA Offshore Windfarm will not result in any changes to the conclusions of the EIAR CIA.</p> <p>The addition of the proposed Greenore Port Operations and Maintenance Facilities at Greenore Port as well as further information regarding the NISA Offshore Windfarm will</p>

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Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
	<p>The NISA Offshore Wind Farm may create a temporary increase in suspended sediment concentration as a result of seabed levelling, drilling for foundation installation, cable installation, excavation of horizontal directional drilling and bentonite release (North Irish Sea Array Windfarm Ltd, 2024). The sediment plume will extend furthest in relation to drilling for foundation installation which may extend to 8 km however the deposition of sediment at this distance is reduced to 2 to 10 mm, in comparison to 50 mm close to the site of drilling (North Irish Sea Array Windfarm Ltd, 2024). Additionally the NISA Offshore Wind Farm has obtained a license for site investigation surveys over a seven year period starting in 2024 (MARA, 2024). This will include benthic subtidal surveys as well as geotechnical surveys which may small amounts of disturbance to the seabed, however this activity will not result in the suspension or deposition of any sediment beyond the immediate area from which the sample was extracted and therefore will not interact cumulatively with the Oriel Wind Farm Project.</p> <p>As noted above the impacts of these projects beyond the immediate vicinity of the relevant activities is expected to be very small, with the majority of the impact being highly localised, making it unlikely that plumes will interact and result in a compounded effect. The sensitivity of the subtidal IEFs to changes in suspended solids and smothering and siltation rate changes ranges from not sensitive to medium for this impact pathway, with recovery expected to occur within a few tidal cycles Overall the impact of these projects will be short term and intermittent in all phases of the Oriel Wind Farm Project therefore the effect remains slight adverse significance.</p>	<p>not result in any changes to the conclusions of the EIAR.</p>
	<p>Seabed Disturbance Leading to the Potential Release of Sediment Contaminants</p> <p>The proposed Greenore Port Operations and Maintenance Facilities at Greenore Port may result in the potential release of sediment contaminants as a result of dredging works or quay wall and pontoon construction (Greenore Port Unlimited Company, 2024), however these are likely to be highly limited in extent and will not interact with the zone of influence of the Oriel Wind Farm Project.</p> <p>The NISA Offshore Wind Farm may result in the potential release of sediment contaminants as a result of construction activities however surveys across the array area and export cable corridor for sediment bound metals found concentrations close to background concentration (North Irish Sea Array Windfarm Ltd, 2024). Additionally concentrations of organic chemicals and hydrocarbons were below levels at which adverse effects may be observed (North Irish Sea Array Windfarm Ltd, 2024). As such, the risk of impacts from release of sediment bound contaminants is low.</p> <p>Additionally the NISA Offshore Wind Farm has obtained a license for site investigation surveys over a seven year period starting in 2024. This will include benthic subtidal surveys as well as geotechnical surveys which may small amounts of disturbance to the seabed, however this activity will not result in the resuspension of sediment beyond the immediate area sampled and therefore will not interact cumulatively with the Oriel Wind Farm Project.</p> <p>As noted for the increases in suspended sediments impact the sediment disturbed as a result of the above projects will largely remain within the vicinity of the site of the disturbance activity, therefore the impact will be highly localised and represent a small proportion of the cumulative benthic subtidal and intertidal ecology study area. Additionally the levels of contaminants in disturbed sediments is expected to be low for all projects considered and any impact will be short term and intermittent in all phases of the Oriel Wind Farm Project, therefore the effect remains imperceptible significance. This has been confirmed by sediment chemistry data collected as part of the 2024 survey. All stations had contaminant loads below the lower limits for trace metals, as determined by Cronin <i>et al.</i> (2006) in the 'Guidelines for the Assessment of Dredge Material for Disposal in Irish Waters', with the exception of arsenic (concentration of 27.2 mg/kg) at one station in the offshore wind farm area which exceeded the lower limit for Arsenic (20 mg/kg) however</p>	<p>The addition of the proposed Greenore Port Operations and Maintenance Facilities at Greenore Port as well as further information regarding the NISA Offshore Windfarm will not result in any changes to the conclusions of the EIAR.</p>

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Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
	<p>was well below the upper limit (Cronin <i>et al.</i>, 2006) (70 mg/kg). All stations were below their respective limits (Cronin <i>et al.</i>, 2006) for organotins, polychlorinated biphenyls, total extractable hydrocarbons, tributyltin, dibutyltin and polycyclic aromatic hydrocarbons.</p>	
	<p>Long Term Subtidal Habitat Loss</p> <p>The proposed Greenore Port Operations and Maintenance Facilities at Greenore Port will include the installation of a quay wall and the insertion of two piles associated with the new pontoon which will result in loss of a highly limited area of benthic ecology habitat (Greenore Port Unlimited Company, 2024).</p> <p>The NISA Offshore Wind Farm will result in long term habitat loss as a result of the presence of wind turbine and offshore substation platform (OSP) foundations and associated scour protection as well as cable protection and cable crossings (North Irish Sea Array Windfarm Ltd, 2024). This infrastructure could lead to up to 0.30 km² of long term subtidal habitat loss (North Irish Sea Array Windfarm Ltd, 2024).</p> <p>These projects represent a small increase in long term habitat loss in relation to the cumulative benthic subtidal and intertidal ecology study area, especially as only a proportion of the NISA Offshore Wind Farm falls within the cumulative benthic subtidal and intertidal ecology study area. This extra detail is in line with the magnitude of impact described in the EIAR and therefore the effect remains slight adverse significance in the operation and maintenance phase.</p>	<p>The addition of the proposed Greenore Port Operations and Maintenance Facilities at Greenore Port as well as further information regarding the NISA Offshore Windfarm will not result in any changes to the conclusions of the EIAR.</p>
	<p>Colonisation of Foundations, Scour Protection and Cable Protection</p> <p>The proposed Greenore Port Operations and Maintenance Facilities at Greenore Port will include the installation of a quay wall and the insertion of two piles associated with the new pontoon, which will increase the subtidal and intertidal substrates available for colonisation by local fauna (Greenore Port Unlimited Company, 2024).</p> <p>The NISA Offshore Wind Farm may introduce up to 0.41 km² of hard substrate within the array area and export cable corridor, representing a shift from the previously prevailing sedimentary conditions.</p> <p>As noted for long term habitat loss, only a proportion of the NISA Offshore Wind Farm array area falls within the cumulative benthic subtidal and intertidal ecology study area therefore the impact in regard to colonisation is proportionally very small. This extra detail is in line with the magnitude of impact described in the EIAR and therefore the effect remains imperceptible adverse significance in the operation and maintenance phase as presented in the EIAR.</p>	<p>The addition of the proposed Greenore Port Operations and Maintenance Facilities at Greenore Port as well as further information regarding the NISA Offshore Windfarm will not result in any changes to the conclusions of the EIAR.</p>
	<p>Alteration of Seabed Habitats Arising from the Effects of Physical Processes</p> <p>The presence of wind turbine and OSP foundations has the potential introduce changes to the local hydrodynamic and wave regime, resulting in changes to the sediment transport pathways (North Irish Sea Array Windfarm Ltd, 2024). However modelling undertaken by NISA Offshore Wind Farm found local scouring around its foundations is not anticipated to be prevalent and that overall, the impacts on hydrodynamic and wave regimes will not be significant and will not result in any significant changes to sediment transport.</p> <p>Based on the above finding by the NISA Offshore Wind Farm any potential impacts on seabed habitats arising from the effects of physical processes the potential effects will be highly limited and localised; therefore the effect remains imperceptible adverse significance in the operation and maintenance phase as presented in the EIAR.</p>	<p>The addition of further information regarding the NISA Offshore Windfarm will not result in any changes to the conclusions of the EIAR.</p>

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Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
	<p>Increased Risk of Introduction and Spread of Invasive and Non-Indigenous Species</p> <p>As noted above for the colonisation impact the proposed Greenore Port Operations and Maintenance Facilities at Greenore Port will include the installation of a quay wall and the insertion of two piles associated with the new pontoon (Greenore Port Unlimited Company, 2024). The introduction of this new hard substrate could provide habitat for Invasive and Non-Indigenous Species (INSS), although any risk will be minimal due to the small area of hard substrate introduced into the environment.</p> <p>As set out in the Oriel Wind Farm Project EIAR, the introduction of hard substrates could provide habitat for INNS. The same potential for introduction and spread of INNS applies to the 0.41 km² of hard substrate associated with the NISA Offshore Wind Farm as well as the vessel traffic associated with all phases of the project (North Irish Sea Array Windfarm Ltd, 2024). The site investigation surveys undertaken as part of the NISA Offshore Wind Farm will also result in an increase in vessel traffic which could contribute to the increased spread of INNS, although given the nature of the operations any increase in vessel traffic will be short term and temporary.</p> <p>As above described above in relation to the colonisation, only a proportion of the NISA Offshore Wind Farm falls within the cumulative benthic subtidal and intertidal ecology study area therefore the impact in regard to the increased risk of introduction and spread of INNS will be proportionally very small. The potential effects will be highly limited and localised and hard substrate communities are known to exist within the Oriel Benthic Subtidal and Intertidal Ecology Study Area; therefore the effect remains slight adverse significance in all phases as presented in the EIAR.</p>	<p>The addition of the proposed Greenore Port Operations and Maintenance Facilities at Greenore Port as well as further information regarding the NISA Offshore Windfarm will not result in any changes to the conclusions of the EIAR.</p>

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3.3 Fish & Shellfish Ecology

3.3.1 Updated list of projects

The projects screened into the CIA for Fish and Shellfish Ecology are outlined in Table 3-5. The locations of screened in projects in relation to the Project are illustrated in Figure 3-3.

Table 3-5: Updated list of other projects considered within the CIA for Fish and Shellfish Ecology*.

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project/Plan	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Renewables							
North Irish Sea Array (NISA)	Maritime Area Consent; Planning	16.2	18.1	EIA Scoping Report (2021) refers to the construction of an offshore wind farm of up to 500 MW, consisting of 36 turbines with a maximum height of 320 m and rotor diameter of up to 290 m. Offshore substation platforms may be required. EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required. The proposed export capacity is 700 MW. ⁵	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction and operation phases to overlap with the Project. Spatial overlap unlikely for impacts such as SSC, habitat loss and EMF. Potential for spatial overlap associated with underwater noise emissions.
Dublin Array	Maritime Area Consent; Planning	61.2	57	Scoping report (2020) refers to the construction of Bray and Kish offshore wind farm of up to 900 MW, consisting of up to 61 turbines with a maximum height of 308 m and rotor diameter of up to 285 m and up to three offshore substation platforms.⁶	Unknown Estimated 2027-2030 Construction is anticipated to range from 18 to 30 months.	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction and operation phases to overlap with the Project. Spatial overlap unlikely for impacts such as SSC, habitat loss and EMF. Potential for spatial

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

⁵ <https://northirishsearraysid.ie/>

⁶ Project website: <https://dublinarray.com/project-information/key-facts/>; states between 39 and 50 turbines (total project capacity 824 MW) individual tip heights between approx. 270 m and 310 m.

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Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project/Plan	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				EIAR (2025) refers to the construction of an offshore wind farm with an export capacity of 824 MW. The EIAR considers three design options with a maximum number of turbines of 50 and a maximum rotor diameter of 278 m. ⁷			overlap associated with underwater noise emissions.
Codling Wind Park	Maritime Area Consent; Planning	61.4	57.2	<p>EIA Scoping report (2020) refers to the construction of an offshore wind farm of up to 1500 MW, consisting of up to 140 turbines with a maximum height of 320 m and rotor diameter of up to 288 m. The project will also contain up to five offshore substation platforms.⁸</p> <p>EIAR (2024) refers to the construction of an offshore wind farm with the export capacity of 1300 MW. Two WTG Layout Options are proposed, with a maximum number of turbines of 75 and a maximum rotor diameter of 276. Three offshore substations are required.⁹</p>	Unknown Estimated 2027-2030. Construction anticipated to range from three to four years.	Unknown Estimated commencement in 2030 (Design life minimum 35 years) 25-year operational lifetime	Potential for construction and operation phases to overlap with the Project. Spatial overlap unlikely for impacts such as SSC, habitat loss and EMF. Potential for spatial overlap associated with underwater noise emissions.
Arklow Bank Wind Park Phase 2	Maritime Area Consent; Planning	107.1	104.7	EIA Scoping Report: The project will include between 37 and 56 turbines and up to two Offshore Substation Platforms (OSP) and foundation substructures. The area in which the proposed wind turbines, inter-array cables and OSP(s) will be	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction and operation phases to overlap with the Project. Spatial overlap unlikely for impacts such as SSC, habitat loss and EMF. Potential for spatial overlap associated with

⁷ <https://dublinarray-marineplanning.ie/eiar/>

⁸ Project website: <https://codlingwindpark.ie/the-project/>: states max energy output 1300 MW, 100 turbines, turbine tip height max 320 m.

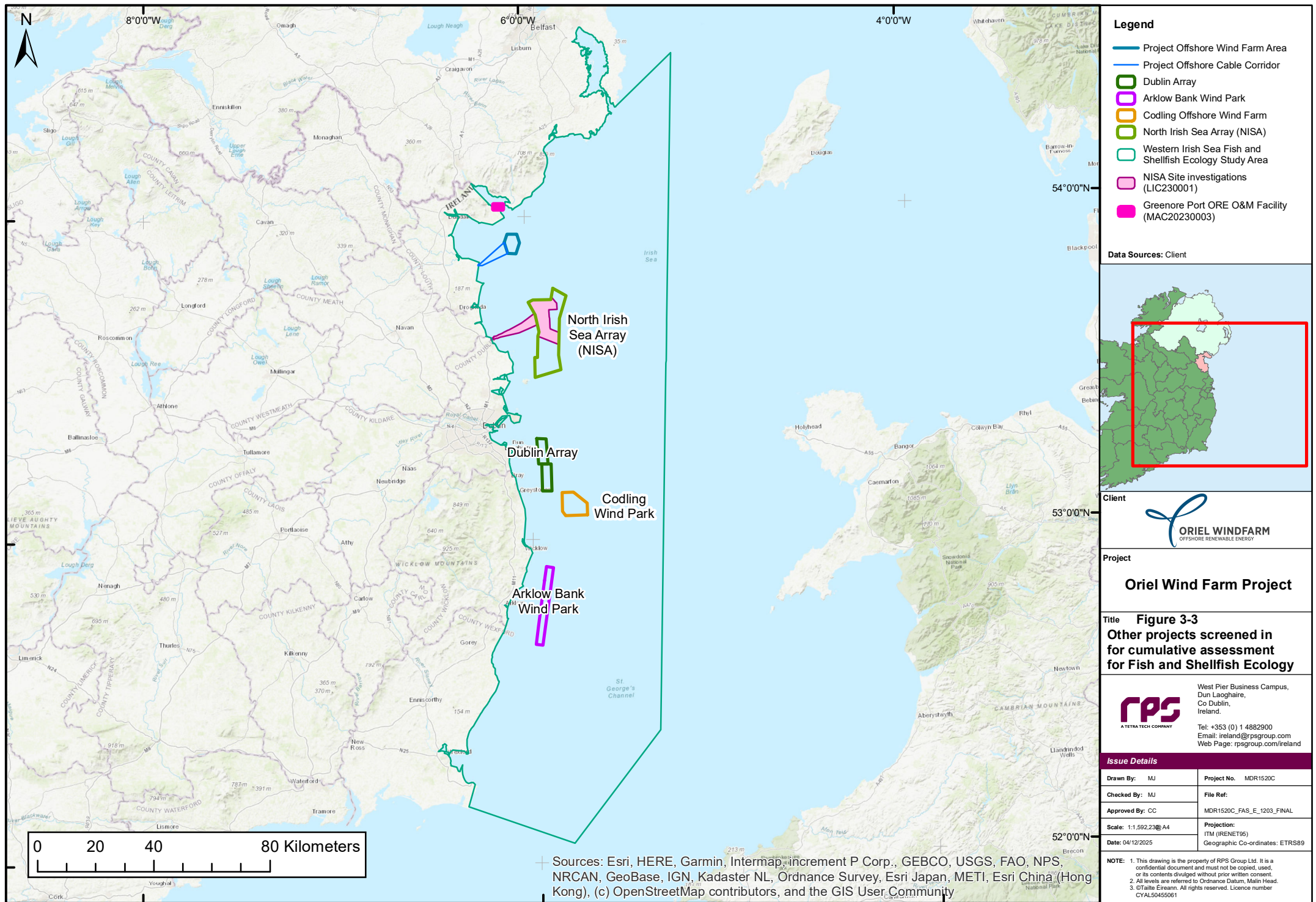
⁹ <https://codlingwindparkplanningapplication.ie/environmental-impact-assessment-report-eiar/>

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Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project/Plan	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				located on Arklow Bank covers an area of seabed approximately 64km ² . ¹⁰ EIAR (2024) refers to an offshore wind farm with an export capacity of 800 MW. Two Project Design Options are proposed with a maximum number of turbines of 56 and maximum rotor diameter of 250 m. Two offshore substations are required. ¹¹			underwater noise emissions.
Greenore Port Project	MAC Received and Planning Consented	9.9	12.4	ORE O&M Facility at Greenore Port as a support base for three offshore windfarms on the East Coast of Ireland. It will require a pontoon to accommodate Crew Transfer Vessels. Dredging within the nearshore and the construction of a new quay wall is also required.	3 years estimated 2025 to 2028	60 years	Potential for construction and operation phases to overlap with the Project. Spatial overlap unlikely for impacts such as SSC, habitat loss and EMF. Potential for spatial overlap associated with underwater noise emissions.
NISA Site Investigations	MAC received	16.9	18.1	Site investigation activities to inform the development of the North Irish Sea Array (NISA) offshore windfarm (OWF) and export cable, off the coasts of counties Dublin, Meath and Louth. These site investigations include hydrological and geophysical, geotechnical, metocean, ecological, archaeological and water quality surveys.	-	Licence term for site investigations is seven years from 2024 to 2031	Potential for construction and operation phases to overlap with the Project. Spatial overlap unlikely for impacts such as SSC, habitat loss and EMF. Potential for spatial overlap associated with underwater noise emissions.

¹⁰ Project website <https://www.sse renewables.com/>: states between 36 and 60 turbines (up to 800MW) along with one to two OSS and foundation substructures, a network of inter-array cabling and two offshore export cables.

¹¹ <https://www.arklowbank2offshoreplanning.ie/eiar/>



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3.3.2 Updated CIA

Table 3-6: Review of project updates that may affect cumulative impact assessment with the Project for Fish and Shellfish Ecology.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Fish and Shellfish Ecology (volume 2B, chapter 9 & volume 2B Addendum, chapter 9 Addendum)	<p>Injury and/or disturbance to fish from underwater noise during pile-driving</p> <p>The Greenore Port Project will include the installation of a quay wall and the insertion of two piles associated with the new pontoon as well as dredging and vessel noise (Greenore Port Unlimited Company, 2024). This may create underwater noise however effects will only occur in very close proximity to the quay and pontoon during start-up as well as intermittently throughout the operational phase (Greenore Port Unlimited Company, 2024).</p> <p>The Arklow Bank Wind Park Phase 2 EIAR has provided a more detailed design scenario for this project. The design scenario considers the installation of 56 wind turbines (with pile diameters between 7 to 11 m) and two offshore substation platforms (OSPs) (with pile diameters between 7 and 14 m), both using a maximum hammer energy of 6,600 kJ (SSE Renewables, 2024). A soft start will be performed and the total number of days piling will occur will be four days for OSPs and 75 days for wind turbines (SSE Renewables, 2024). Modelling undertaken for the project indicates the largest recoverable injury range are predicted to be up to 7.9 km (>203 dB SEL_{cum} threshold, assuming stationary receptors), when the animal is assumed to be fleeing these ranges reduce to less than 100 m (SSE Renewables, 2024). Maximum temporary threshold shift (TTS) (>186 dB SEL_{cum} threshold) are predicted up to 50 km for stationary animals, reducing to 36 km for fleeing animals (SSE Renewables, 2024).</p> <p>The Codling Wind Park EIAR has confirmed the installation of 75 wind turbines using a hammer energy between 400 and 4400 kJ across 75 piling days in total (Codling Wind Park, 2024). Alternatively wind turbine foundations may be installed by vibro-piling or drilling. Additionally three OSPs will be installed requiring up to three piles using a hammer energy between 400 and 4400 kJ, requiring up to three days of piling overall (Codling Wind Park, 2024). Up to ten UXO may also require clearing as a result of construction for the Codling Wind Park. Mortal injury may occur over an approximate area of 0.25 km² in a stationary model or less than 100 m in a fleeing model, and an area of 15 km² or a maximum distance of 2,300 m from the source for cumulative level exposure (Codling Wind Park, 2024). TTS may occur out to a maximum distance of 34 km from the source for cumulative exposure in a stationary model or 24 km in a fleeing model (Codling Wind Park, 2024).</p> <p>The NISA EIAR described how the project will result in increased underwater noise as a result of the installation of 51 wind turbine and OSP monopiles with a diameter of 12.5 m using a 5,500 kJ hammer or 144 pin-piles with a 6 m diameter with a hammer energy of 3,000 kJ. Additionally, UXO clearance, vessel noise and geophysical survey will contribute additional noise (Statkraft, 2024). Modelling undertaken for the project found mortality ranges could extent to 4.2 km (SEL_{cum} static), recoverable injury ranges could extent to 9.5 km (SEL_{cum} static) and TTS could occur out to 59 km from the source (SEL_{cum} static) (Statkraft, 2024). Associated site investigations may give rise to disturbance from vibration and underwater noise associated with the survey however, investigations will be short in duration and of a temporary nature.</p> <p>The Dublin Array Offshore Wind Farm EIAR assessed the installation of up to 50 wind turbines using either 13 m diameter monopiles with a maximum hammer energy of 6,372 kJ or 5.75 m pin-piles with a maximum hammer energy of 4,695 kJ requiring a maximum piling duration of 125 days over 19 months (associated with the installation of pin-piles) (Kish Offshore Wind Ltd., 2024). Modelling undertaken for the project has identified mortality and potential</p>	<p>The addition of the proposed Greenore Port Operations and Maintenance Facilities at Greenore Port and the NISA site investigations, as well as further information on the Phase 1 Projects will not result in any changes to the conclusions of the EIAR CIA.</p>

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Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
	<p>mortality injury out to 2.1 km (SEL_{cum} static), recoverable injury out to 3.8 km (SEL_{cum} static) and TTS out to 29 km (SEL_{cum} static).</p> <p>The quantification of the above projects in relation to the injury and/or disturbance to fish from underwater noise during pile-driving impact does not change the conclusion as provided in the EIAR. As anticipated in the EIAR the impact of the other offshore wind projects is of a similar scale to the Oriel Wind Farm Project. The nearest offshore wind farm is 16 km from the Project therefore the potential for cumulative injury impacts would only apply to TTS using a SEL_{cum} static model (if each piling event occurs simultaneously across both projects which is unlikely), the inclusion of a fleeing response reduces the range of TTS for all projects. Therefore it is not expected that there will be a spatial overlap of TTS effects associated with each project in the event that construction timeframes coincide. While there are likely to be cumulative behavioural effects on fish and shellfish receptors from the projects discussed above, these effects will be short term, temporary and reversible, with evidence from other offshore wind farms (as presented in the Project EIAR) demonstrating recovery of fish populations following piling operations. Overall the impact of these projects will be medium term and intermittent through the construction phase of the Project therefore the effect remains slight adverse significance.</p>	

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3.4 Marine Mammals & Megafauna

3.4.1 Updated list of projects

The projects screened into the CIA for Marine Mammals and Megafauna are outlined in Table 3-7. The locations of screened in projects in relation to the Project are illustrated in Figure 3-4.

Table 3-7: Updated list of other projects considered within the CIA for Marine Mammals and Megafauna*.

Project	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with the Project
Offshore Wind Farms							
North Irish Sea Array (NISA)	Maritime Area Consent; Planning	16.2	18.1	<p>EIAR (2024) refers to the construction of an offshore wind farm of up to 500 MW, consisting of up to 49 turbines (Option 1) with a maximum height of 316 m (Option 1) and rotor diameter of up to 276 m and one Offshore substation platforms.</p> <p>EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required.. The proposed export capacity is 700 MW ¹²</p>	<p>Unknown</p> <p>Estimated 2027-2030</p>	<p>Unknown</p> <p>(Design life minimum 35 years)</p> <p>Estimated commencement in 2030</p>	Potential for overlap with construction and operational and maintenance phases of the Project and therefore potential for physical or temporal overlap.
Dublin Array	Maritime Area Consent; Planning	61.2	57	<p>Scoping report (2020) refers to the construction of Bray and Kish offshore wind farm of up to 900 MW, consisting of up to 64 turbines with a maximum height of 308 m and rotor diameter of up</p>	<p>Unknown</p> <p>Estimated 2027-2030</p> <p>Construction is anticipated to</p>	<p>Unknown</p> <p>(Design life minimum 35 years)</p>	Potential for construction and operation phases to overlap with the Project. Potential for cumulative effect associated with underwater noise emissions (i.e. greater area of regional habitat affected).

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

¹² <https://northirishsearraysid.ie/>

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Project	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with the Project
				to 285 m and up to three offshore substation platforms. ¹³ EIAR (2025) refers to the construction of an offshore wind farm with an export capacity of 824 MW. The EIAR considers three design options with a maximum number of turbines of 50 and a maximum rotor diameter of 278 m. ¹⁴	range from 18 to 30 months.	Estimated commencement in 2030	
Codling Wind Park	Maritime Area Consent; Planning	61.4	57.2	EIA Scoping report (2020) refers to the construction of an offshore wind farm of up to 1500 MW, consisting of up to 140 turbines with a maximum height of 320 m and rotor diameter of up to 288 m. The project will also contain up to five offshore substation platforms. ¹⁵ EIAR (2024) refers to the construction of an offshore wind farm with the export capacity of 1300 MW. Two WTG Layout Options are proposed, with a maximum number of turbines of 75 and a maximum rotor diameter of	Unknown Estimated 2027-2030 Construction anticipated to range from three to four years.	Unknown (Design life minimum 35 years) Estimated commencement in 2030 25-year operational lifetime.	Potential for overlap with construction and operational and maintenance phases of the Project and therefore potential for physical or conceptual overlap.

¹³ Project website: <https://dublinarray.com/project-information/key-facts/>: states between 39 and 50 turbines (total project capacity 824 MW) individual tip heights between approx. 270 m and 310 m.

¹⁴ <https://dublinarray-marineplanning.ie/eiar/>

¹⁵ Project website: <https://codlingwindpark.ie/the-project/>: states max energy output 1300 MW, 100 turbines, turbine tip height max 320 m.

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Project	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with the Project
				276. Three offshore substations are required. ¹⁶			
Arklow Bank Wind Park Phase 2	Maritime Area Consent; Planning	107.1	104.7	EIA Scoping Report: The project will include between 37 and 56 turbines ad up to two Offshore Substation Platforms (OSP) and foundation substructures. The area in which the proposed wind turbines, inter array cables and OSP(s) will be located on Arklow Bank covers an area of seabed approximately 64km².⁴⁷ EIAR (2024) refers to an offshore wind farm with an export capacity of 800 MW. Two Project Design Options are proposed with a maximum number of turbines of 56 and maximum rotor diameter of 250 m. Two offshore substations are required. ¹⁸	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction and operation phases to overlap with the Project. Potential for cumulative effect associated with underwater noise emissions (i.e. greater area of regional habitat affected).
Morgan Offshore Wind Project: Generation Assets	Planning Consented (not yet constructed)	119	119	Offshore Wind Farm (1.5 G capacity) in English waters. Scoping report indicates up to 107 turbines and up to eight offshore substations. Application not yet submitted.	Unknown Estimated 2026-2030	Unknown Estimated commencement in 2030	Potential for overlap with construction and operational phases of the Project and therefore potential for physical or conceptual overlap.

¹⁶ <https://codlingwindparkplanningapplication.ie/environmental-impact-assessment-report-eiar/>

⁴⁷ Project website <https://www.sserenewables.com/>: states between 36 and 60 turbines (up to 800MW) along with one to two OSS and foundation substructures, a network of inter-array cabling and two offshore export cables.

¹⁸ <https://www.arklowbank2offshoreplanning.ie/eiar/>

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Project	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with the Project
				<p>ElAR (2024) refers to an offshore wind farm with a maximum of 96 turbines at maximum 364 m tip height. Two offshore substations are required, with the grid connection being applied for separately.¹⁹</p>			
Mona Offshore Wind Project	Planning Consented (not yet constructed)	127	131	<p>Offshore Wind Farm (1.5 GW capacity) in Welsh and English waters. Scoping report indicates up to 107 turbines and up to eight offshore substations. Application not yet submitted.</p> <p>ElAR (2023) refers to an offshore wind farm with an export capacity of over 350 MW. The project design includes up to a maximum of 107 turbines with a maximum tip height of 324 m. Up to four offshore substations will be required.²⁰</p>	Unknown Estimated 2026-2030	Unknown Estimated commencement in 2030	Potential for overlap with construction and operational and maintenance phases of the Project and therefore potential for physical or conceptual overlap.
Awel y Môr Offshore Wind Farm	Planning Consented (not yet constructed)	142	145	<p>Offshore Wind Farm (500 MW capacity) in Welsh waters. Application submitted but not awarded.</p> <p>ElAR (2024) refers to an offshore wind farm within the east Irish Sea. Two indicative WTG scenarios are proposed with a</p>	01/01/2026 - 31/12/2029	01/01/2030 – 31/12/2055	Potential for overlap with construction and operational activities of the Project to overlap with construction and operational activities of Awel y Môr Offshore Wind Farm.

¹⁹ <https://morecambeandmorgan.com/morgan/documents/>

²⁰ <https://www.morganandmona.com/en/news-documents/>

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Project	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with the Project
				minimum number of 34 turbines at 206 m rotor diameter, and a maximum number of 50 turbines at 250 m rotor diameter. Up to two offshore substations are included as part of the design. ²¹			
Morecambe Offshore Windfarm: Generation Assets	Planning Consented (not yet constructed)	155	155	Offshore Wind Farm (Maximum 960 MW capacity) in English waters. Scoping report indicates up to 40 turbines and up to two offshore substations. Application not yet submitted. EIAR (2022) refers to an offshore wind farm within the east Irish Sea. Two WTG design options are proposed with a minimum number of 30 turbines at 280 m rotor diameter, and a maximum number of 35 turbines at 260 m rotor diameter. Up to two offshore substations are included as part of the design. ²²	Unknown Estimated 2026-2030	Unknown Estimated commencement in 2030 with a 35-year lifespan	Potential for overlap with construction and operation phases of the Project and therefore potential for physical or conceptual overlap.
Moor Vannin Offshore Wind Farm:	Planning	128	128	EIS (2025) refers to an offshore wind farm within the east Irish Sea. The development will include a maximum of 87 turbines at a maximum 350 m tip height. A maximum of 3 offshore substations will be included. ²³	Estimated 2030-2033	Estimated 2033 - 2068	Potential for overlap with construction and operation phases of the Project and therefore potential for physical or conceptual overlap.

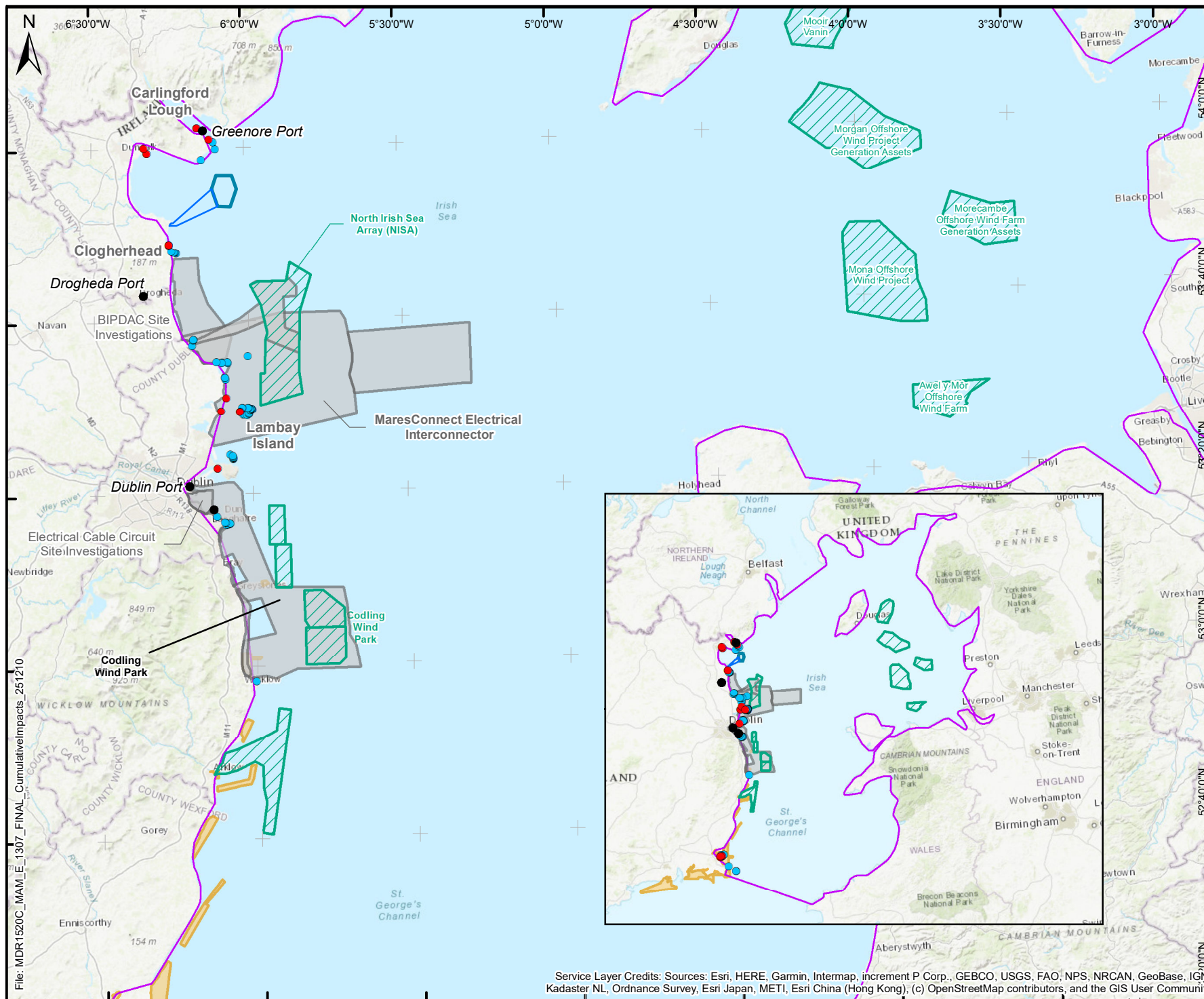
²¹ <https://national-infrastructure-consenting.planninginspectorate.gov.uk/projects/EN010112>

²² <https://national-infrastructure-consenting.planninginspectorate.gov.uk/projects/EN010121>

²³ <https://mima.gov.im/moor-vannin/>

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Project	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with the Project
Site investigations							
Mainstream Renewable Power Ltd.	Planning Withdrawn	-15	-18.1	Foreshore Licence application for site investigation works off County Dublin. Surveys include Geophysical, Geotechnical, Metocean and Ecological site investigations.	N/A	Unknown (subject to award of licence).	Potential for construction phase of the Project to overlap with surveys and site investigation activities for other projects. Potential for in-combination effect of subsea noise emissions (i.e. greater area of regional habitat affected). Other site investigation surveys screened out due to large distances from Project (i.e. all other site investigation surveys are 45 km or greater from Project) and since effects are likely to be very localised and short term there is considered to be no physical or conceptual effect-receptor pathway.
Lir Offshore Array	Planning Withdrawn	-4.2	-0.8	Foreshore Licence application for site investigation works off County Dublin. Surveys include Geophysical, Geotechnical, Metocean and Ecological site investigations.	N/A	Unknown (subject to award of licence)	
MaresConnect Electrical Interconnector	Planning Consented	24.6	23.4	Site investigation surveys for the proposed MaresConnect electrical interconnector between ROI and Wales.	N/A	Unknown (subject to award of licence) 2024-2029	
<p>26 additional site investigation surveys located between 45.3 km and 287 km from the Project</p> <p>17 ORE site investigation surveys previously considered in the Project's CIA (2024), located between 45 km and 287 km from the Project, are considered to be withdrawn.</p> <p>One ORE site investigation survey has been consented since the Project's CIA (2024), namely Arklow Bank Wind Park (FS007555).</p> <p>Three ORE site investigations surveys have been screened out due to no temporal overlap (Arklow Bank Wind Park (FS007339), RWE Renewable SI (FS007188) and Codling Wind Park SI (FS007546)).</p> <p>One site investigation campaign has been consented since the Project's CIA (2024) (MaresConnect (FS007635)).</p> <p>Six additional site investigation surveys have been awarded Maritime Usage Licences (MULs) since the Project's CIA (2024).</p>							<p>For the impact of injury and/or disturbance to marine mammal species from vessel activities there is the potential for overlap with construction and operational phases of the Project and therefore potential for physical or conceptual overlap.</p> <p>For the impact of injury and/or disturbance to marine mammals from elevated underwater noise during geophysical surveys there is considered to be no potential for overlap due to distance from the Project (> 45 km).</p>



Legend

- Project Offshore Wind Farm Area
- Project Offshore Cable Corridor
- Cumulative Marine Mammal and Megafauna Study Area
- Wind Farm Application Area
- Harbour Seal haul-out
- Grey Seal haul-out
- Site Investigation Surveys
- Strategic Modelling for Uisce Éireann

Data Sources: Client, ICES, SNH gov.ie (Dept of Housing, Local Government and Heritage)

Client

Oriel Windfarm
OFFSHORE RENEWABLE ENERGY

Project

Oriel Wind Farm Project

Title **Figure 3-4**
Other projects screened in for cumulative assessment for Marine Mammals and Megafauna

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Issue Details	
Drawn By: MJ	Project No. MDR1520C
Checked By: MJ	File Ref:
Approved By: CC	MDR1520C_MAM_E_1307_FINAL
Scale: 1:1,100,000@A4	Projection:
Date: 07/03/2024	ITM (IRENET95) Geographic Co-ordinates: ETRS89

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3.4.2 Updated CIA

Table 3-8: Review of project updates that may affect cumulative impact assessment with the Project on Marine Mammals and Megafauna.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Marine Mammals and Megafauna (volume 2B, chapter 10 & volume 2B Addendum, chapter 10 Addendum)	<p>Injury and/or disturbance to marine megafauna from underwater noise during pile-driving.</p> <p>As part of the response to the further information request from ACP, an updated noise modelling exercise was conducted to reassess injury ranges and disturbance contours for marine mammals and megafauna receptors associated with piling activities (see chapter 10 Addendum: Marine Mammals and Megafauna and appendix 10-4: Updated Subsea Noise Modelling Report). Furthermore, cumulative population modelling (using the Interim Population Consequences of Disturbance (iPCoD) model) has been undertaken to assess whether cumulative disturbance resulting from pile driving activities from cumulative projects is predicted to result in population level impacts to key marine mammal species for which iPCoD can be applied (harbour porpoise, bottlenose dolphin, minke whale, harbour seal and grey seal) (see appendix 10-10: Cumulative iPCoD Modelling Report).</p> <p>Whilst PTS and TTS ranges were greater for the revised noise modelling compared to noise modelling presented in the EIAR (chapter 10: Marine Mammals and Megafauna and appendix 10-2: Subsea Noise Technical Report) and disturbance contours resulted in greater predicted number of animals likely to be disturbed; the predicted numbers remain relatively low. Additionally, given the low number of piling days for the Project (26 days in total) and the outcomes of the associated Project-alone population modelling (see chapter 10 Addendum: Marine Mammals and Megafauna) it was concluded that the conclusions of the Project EIAR for the impact of Injury and/or disturbance to marine megafauna from underwater noise during pile-driving for the Project alone would not change for any species and no significant effect was concluded. To reduce the risk of PTS and TTS, measures included in the Project will be implemented as part of a marine mammal mitigation plan (MMMP (see appendix 5-4 (EIAR volume 2A Addendum)). Despite the assessment of injury and/or disturbance to marine megafauna from underwater noise during pile driving concluding no significant impact, the Project is committed to the consideration of noise abatement measures for the purpose of reducing sound levels from construction piling and subsequently a MODIGA system has been included in the Project designed-in measures (see appendix 10.8: Comprehensive Review of Relevant Mitigation (Noise Abatement)).</p> <p>An increase in the magnitude of disturbance to marine mammals due to piling at additional projects within the Regional Marine Megafauna Study Area could occur due to the potential for a larger area to be ensonified at any one time (assuming that piling phases of these additional projects overlap with piling at the Project). Information is now available from the respective Environmental Statements for Mona Offshore Wind Project (Mona Offshore Wind Ltd, 2025b), Morgan Offshore Wind Project (Morgan Offshore Wind Ltd., 2025), Morecambe Offshore Windfarm (Morecambe Offshore Wind Ltd, 2025) (which have been updated from Preliminary Environmental Impact Report (PEIR)), Arklow Bank Wind Park Phase 2 (Arklow Bank 2) (SSE Renewables, 2024b), Codling Wind Park (Codling Wind Park Limited, 2024b), NISA (NISA Windfarm Ltd., 2024), Dublin Array (Bray Offshore Wind Limited. and Kish Offshore Wind Limited., 2025) and (additional new screened-in project) Moir Vannin Offshore Wind Farm (Ørsted, 2025a). These eight Tier 1</p>	The addition of the projects, as well as further information on the Projects will not result in any changes to the conclusions of the EIAR CIA.

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	<p>Projects (which have been updated since the EIAR) are located at 127 km, 119 km, 155 km, 107.1 km, 61.4 km, 16.2 km, 61.2 km and 128 km from the Project, respectively.</p> <p>The Arklow Bank Phase 2 EIAR piling scenario includes the installation of 56 wind turbines, each with pile diameters ranging from 7 to 11 m, and two offshore substation platforms (OSP) with pile diameters between 7 and 14 m. Both the turbines and OSPs are expected to use a maximum hammer energy of 6,600 kJ. Piling is estimated to occur over 75 days for the wind turbines and four days for the OSPs. For PTS for harbour porpoise, the maximum predicted SPL_{pk} range during monopile installation was 490 m. For all other species, the maximum SPL_{pk} range was <50 m across all modelled scenarios. The SEL_{cum} PTS ranges were 4,600 m for harbour porpoise, 7,500 m for minke whale, and <100 m for all other species. The largest predicted range for the onset of TTS based on the SPL_{pk} metric was for harbour porpoise at 1,900 m, whilst the largest predicted range for the onset of TTS based on the SEL_{cum} metric was for minke whale, extending up to 98 km. However TTS ranges were presented for context only and Arklow Bank Phase 2 EIAR did not present an assessment against TTS. For disturbance, the maximum number of animals predicted to be disturbed on a single piling day was for harbour porpoise, with a maximum of 3,380 animals (5.41% MU).</p> <p>The Codling Wind Park EIAR (Codling Wind Park Limited, 2024b) includes installation of 75 wind turbines over 75 days and the installation of three OSPs (each requiring up to three piles) using hammer energies ranging between 200 and 4,400 kJ. Piling is estimated to occur over 78 days. For PTS for harbour porpoise and minke whale, the maximum SPL_{pk} range was 620 m and 50 m, respectively. For all other species, the maximum SPL_{pk} range was <50 m across all modelled scenarios. The SEL_{cum} PTS ranges were 4,700 m for harbour porpoise, 7,500 m for minke whale, and <100 m for all other species. Codling Wind Park EIAR did not present ranges for TTS. For disturbance, the maximum number of animals predicted to be disturbed on a single piling day was for harbour porpoise, with 2,667 animals (4.27% MU).</p> <p>The NISA EIAR (NISA Windfarm Ltd., 2024) includes installation of 49 wind turbine and OSP monopiles (12.5 m diameter) using a 5,500 kJ hammer over 51 days, or alternatively, 144 pin-piles (6 m diameter) using a 3,000 kJ hammer over 72 days. For PTS, the maximum SPL_{pk} range was predicted for harbour porpoise as 810 m for monopiles, and for all other species, the maximum SPL_{pk} range was <100 m. The maximum SEL_{cum} range was 15 km for harbour porpoise and 26 km for minke whale. For TTS, the maximum predicted TTS range for SPL_{pk} was 2.1 km for harbour porpoise, whilst the maximum predicted TTS range for SEL_{cum} was 105 km for minke whale. However, TTS ranges were presented for context only and the NISA EIAR did not present an assessment against TTS. For disturbance, the maximum number of animals predicted to be disturbed on a single piling day was for harbour porpoise with 3,896 harbour porpoise (6.25% MU).</p> <p>The Dublin Array EIAR (Bray Offshore Wind Limited. and Kish Offshore Wind Limited., 2025) includes installation of up to 50 wind turbines, using either 13 m diameter monopiles with a maximum hammer energy of 6,372 kJ or 5.75 m pin-piles with a maximum hammer energy of 4,695 kJ. The maximum temporal duration is estimated at 125 days over a 19-month period, associated with the installation of pin-piles. For PTS, for harbour porpoise, the maximum SPL_{pk} range was 150 m. For all other species, the maximum SPL_{pk} range was <50 m and the maximum SEL_{cum} PTS impact range was <150 m for all scenarios modelled. The Dublin Array EIAR did not present ranges for TTS. For disturbance, the maximum number of</p>	

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	<p>animals predicted to be disturbed on a single piling day was 995 harbour porpoises (1.59% MU) and 699 bottlenose dolphins (8.40% MU).</p> <p>Cumulative iPCoD modelling was undertaken for all the western Irish Sea projects (NISA, Arklow Bank Phase 2, Codling Wind Park, Dublin Array and Oriel Wind Farm) (North Irish Sea Array Windfarm Ltd., 2024, Sinclair, 2024) (see Annex 1 in appendix 10-10: Cumulative iPCoD (EIAR volume 2B Addendum). Cumulative population modelling concluded no significant impacts to any marine mammal species resulting from disturbance from pile-driving at the five projects. For bottlenose dolphin there was a predicted decrease in the population in the short-term (as some individuals could be affected during piling at cumulative projects) but the long-term trajectory of the population would not alter and therefore the conclusion was reached that there would be no significant effects on bottlenose dolphin at the population level (North Irish Sea Array Windfarm Ltd., 2024). For all other species considered the impacted population is predicted to follow a stable trajectory in the long-term. It is considered that the revised underwater noise modelling conducted for the Project would not alter the findings of this cumulative iPCoD assessment.</p> <p>The predicted ranges for both PTS and TTS reported for the four other Phase 1 western Irish Sea projects are larger than those presented in both the Project's EIAR and the revised underwater noise modelling results (see appendix 10-4: Updated Subsea Noise Modelling Report). In addition, the majority of the estimated number of animals potentially disturbed by pile-driving activities for the other four Phase 1 Irish Sea projects were greater than those presented for the Project (EIAR and revised noise modelling). This is likely primarily driven by smaller pile sizes and lower hammer energies at the Project, comparatively. Furthermore, the Project contributes only a small proportion of the number of days of piling to the overall results. Therefore, the Project's contribution to the cumulative impact is small in comparison. The Phase 1 Irish Sea projects included in the cumulative iPCoD modelling presented construction phases of between two to five years but piling would only constitute a small proportion of the construction phase and the assessment highlighted that this was a highly conservative assumption in the model (e.g. see section 4.9.4.6 in North Irish Sea Array Windfarm Ltd. (2024)). As such, given that the Project's CIA assumed conservative parameters for the four other Phase 1 Irish Sea projects, when quantitative information was unavailable, whilst there would be small changes to the information presented in the Project's CIA due to new quantitative information being made available for the four other western Irish Sea projects, this would not result in changes to the conclusions of the CIA.</p> <p>For the Mona Offshore Wind Project, PTS injury ranges presented in the Environmental Statement (ES) (Mona Offshore Wind Ltd, 2024) reduced from the Preliminary Environmental Impact Report (PEIR) for all species except for minke whale, with increased impact ranges for the SEL_{cum} metric. In the ES, the numbers of harbour porpoise disturbed increased, likely driven by a higher density estimate used compared to PEIR. For all other species the numbers of animals predicted to be disturbed decreased in the assessment presented in the ES. Therefore, whilst there are small changes to the information presented in the Project's CIA due to refinement at ES stage for the Mona Offshore Wind Project, this does not result in changes to the conclusions of the CIA.</p> <p>Similar changes occurred for the Morgan Offshore Wind Project, with reduced injury ranges for all species except for minke whale (with increased SEL_{cum} PTS ranges) (Morgan Offshore Wind Ltd., 2025). Numbers of grey seal disturbed increased, but for all other species the numbers of animals disturbed decreased or remained the same in the assessment presented in the ES, compared to PEIR. Therefore, whilst there are small changes to the information presented in the</p>	

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	<p>Project's CIA due to refinement at ES stage for the Morgan Offshore Wind Project, this does not result in changes to the conclusions of the CIA.</p> <p>For the Morecambe Offshore Windfarm ES (Morecambe Offshore Wind Ltd, 2025), PTS ranges differed from PEIR with a small increase in the maximum SPL_{pk} range for harbour porpoise. SEL_{cum} ranges increased for all species, with a maximum range of 13 km for minke whale (previously 4.4 km at PEIR). At ES, the numbers of harbour porpoise disturbed increased, compared to PEIR, but the number of grey seal and harbour seal decreased. For all other species the approach was not comparable, but the significance of effect did not change. Therefore, whilst there are changes to the information presented in the Project's CIA due to refinement at ES stage for the Morecambe Offshore Windfarm, this does not result in changes to the conclusions of the CIA.</p> <p>For Moir Vannin Offshore Wind Farm, for PTS the maximum SPL_{pk} PTS-onset impact range for single piling was 0.12 km and 0.8 km for concurrent piling. The maximum SEL_{cum} range was 19.04 km for single piling and 35.32 km for concurrent piling the magnitude was concluded as minor for harbour porpoise, minke whale, grey seal, harbour seal and negligible for bottlenose dolphin, Risso's dolphin and common dolphin for both single and concurrent piling (Ørsted, 2025a).</p> <p>Furthermore, cumulative iPCoD modelling (see appendix 10-10 Cumulative iPCoD (EIAR volume 2B Addendum) as a result of the Project cumulatively with all eight other offshore wind projects in the Irish Sea region demonstrated no significant impacts to any marine mammal species modelled (harbour porpoise, bottlenose dolphin, minke whale, grey seal and harbour seal) resulting from disturbance from cumulative pile driving at projects within the Irish Sea region, and the relative contribution of the Project (which is only 26 days of piling) to cumulative disturbance is minimal.</p> <p>In summary residual conclusions of no significant effect were reached for all eight projects. Overall, it is considered highly unlikely that piling would coincide across all eight projects within the Irish Sea. Cumulative population models included in the applications for Mona Offshore Wind Project, Morgan Offshore Wind Project and Morecambe Offshore Windfarm, the Phase 1 Irish Sea Projects supported the conclusions of no residual significant adverse effects. Additionally, cumulative population modelling for Phase 1 projects in the western Irish Sea (Sinclair, 2024) and modelling for all projects in the Irish sea (appendix 10-10 Cumulative iPCoD) supported conclusions of no significant effects. Therefore, whilst there would be small changes to the information presented in the Project's CIA, it is concluded that the significance of effect would remain as 'slight adverse' significance.</p>	
	<p>Injury and/or disturbance to marine megafauna from elevated underwater noise during routine geophysical surveys</p> <p>Site-investigation surveys for the MaresConnect (ID 276) Arklow Bank Wind Park Phase 2 (ID 81) have now been consented (a change from the EIAR), and the project has been licenced (ending 25/07/2025) and due to end before operation at the Project (2030) therefore there is no anticipated temporal overlap.</p> <p>New site-investigation surveys include those for North Irish Sea Array (ID 269), Codling Wind Park (ID 270), EirGrid Electrical Cable Circuit crossing Dublin Bay (ID 285), East Coast Rail Infrastructure Protection Projects (ECRIPP) (ID 277), port infrastructure at Dublin and Meath (ID 278) and Marine environmental surveys for the Uisce Éireann strategic modelling (ID 350).</p>	<p>The addition of the projects, as well as further information on the Projects will not result in any changes to the conclusions of the EIAR CIA.</p>

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	<p>In the Project's EIAR marine mammal and megafauna CIA, a conservative approach was taken by assuming a worst-case scenario in which up to two geophysical site-investigation surveys could temporally overlap with site-investigation surveys at the Project. This approach was also taken on the basis that there are practical limitations on the number of survey vessels that can operate simultaneously, making it highly unlikely that all surveys listed in Table 3-7 would overlap in time. A total of 21 site-investigation surveys located between 6 km and 287 km from the project remain screened in; however, there is considered to be no potential for overlap due to distance from the Project, with the majority lying >45 km from the Project.</p> <ul style="list-style-type: none"> Marine environmental surveys for the Uisce Éireann strategic modelling study of water currents and bathymetry along the Southeast coast of Ireland (ID 350) (>100 km), includes boat-based ADCP surveys and single beam and multibeam echosounders, LiDAR, and GPS rover for surveying of intertidal areas. The works are proposed to commence in the summer of 2025 and continue into 2026 for the monitoring and sampling, and therefore likely to have been completed prior to the commencement of the offshore construction of the Project (2028) and no increased cumulative effect is expected. Furthermore this project site lies 101 km from the Project and any effects would likely be highly localised and short-term. Site-investigation surveys for Codling Wind Park (ID 270) (56 km from the Project), EirGrid (ID 285) (55 km from the Project) and ECRIPP (ID 277) (58 km from the project) are all located a considerable distance from the Project and the associated effects are expected to be highly localised and short-term. However, given that the approach at EIAR assumed a maximum of two additional surveys with the potential to temporally overlap with site-investigation surveys at the Project, and the location of these sites from the Project, it is considered that even if survey activities were to temporally overlap with those of the Project, no increased cumulative impact is anticipated. Site-investigation surveys for the location and design of port infrastructure at Dublin and Meath (ID 278) are in closer proximity to the Project (6 km), and include multibeam echosounder (MBES), side scan sonar (SSS) and sub-bottom profiling equipment. Sonar-like geophysical survey systems have very strong directivity which effectively means that there is only potential for injury when a marine mammal is directly underneath the sound source or directly within the swathe and once the animal moves outside of the main beam, there is significantly reduced potential for injury. In the unlikely event that surveys were to overlap temporally between the Project and the Dublin and Meath port surveys, the distance between these projects is greater than the maximum spatial range over which injury or disturbance associated with geophysical survey methods is likely to occur (1,410 m) and therefore it is considered there would be no increased cumulative effect. <p>Therefore, it is considered that the significance of effect considering the updated projects would remain unchanged and would remain as 'slight adverse' significance for marine mammal and megafauna receptors.</p>	
	<p>Injury and/or disturbance to marine megafauna from vessel activities</p> <p>The Mona Offshore Wind Project ES (Mona Offshore Wind Ltd, 2024) presented an increase in the maximum total number of construction vessels on site at any one time from 80 (in the PEIR) to 96 vessels, as well as an increase in the maximum number of return trips per year (increasing from 2,004 to 2,199). The magnitude of injury remained 'negligible' and disturbance remained 'low', and the sensitivity of the receptor remained 'high' for injury and 'medium' for</p>	<p>The addition of the projects, as well as further information on the Projects will not result in any changes to</p>

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	<p>disturbance, and therefore it is considered there would be no increased cumulative effect from the assessment in the 2024 CIA.</p> <p>The Morgan Offshore Wind Project ES (Morgan Offshore Wind Ltd., 2025) presented the same maximum total number of construction vessels at any one time as PEIR (69 vessels) but the maximum number of return trips per year increased (increasing from 1,878 to 1,929). The magnitude of injury remained 'negligible' and disturbance remained 'low', and the sensitivity of the receptor remained 'high' for injury and 'medium' for disturbance, and therefore it is considered there would be no increased cumulative effect from the assessment in the 2024 CIA.</p> <p>The Morecambe OWF: Generation Assets ES (Morecambe Offshore Wind Ltd, 2025) presented an increase in the maximum total number of construction vessels on site at any one time from 30 (in the PEIR) to 37 vessels, but with fewer return trips per year (2,778 return trips in the PEIR, to 2,583 in the ES). The magnitude of both TTS and disturbance remained 'low to negligible' in the ES, with a sensitivity of 'medium' and therefore it is considered there would be no increased cumulative effect from the assessment in the 2024 CIA.</p> <p>Arklow Bank Wind Park Phase 2 EIAR (SSE Renewables, 2024b) reported a maximum of 66 installation vessels in the Array Area at any one time and a maximum of 4,150 vessel trips over the construction phase (maximum of 1,797 vessel return trips per year during the construction phase). The EIA predicted no significant effects from disturbance from vessels for the project alone, and excluded the impact from the CIA, adopting an Environmental Vessel Management Plan (EVMP) which includes measures to minimise the potential disturbance for marine mammals from vessel activities.</p> <p>The Codling Wind Park EIAR (Codling Wind Park Limited, 2024b) reported a maximum total of 75 vessels and 2,409 annual return trips (maximum of 38 operating on site simultaneously). The NISA EIAR (NISA Windfarm Ltd., 2024) reported a maximum total of 67 vessels and 3,008 total return trips (maximum of 49 operating on site simultaneously). Both Codling and NISA concluded disturbance from vessels to be not significant for the construction, operational and decommissioning phases for the project alone and both projects have committed to adopting an EVMP. The effect was also excluded from NISA CEA due to the highly localised impact.</p> <p>Dublin Array (Bray Offshore Wind Limited. and Kish Offshore Wind Limited., 2025) estimated a maximum of 74 construction vessels, with 2,510 round trips over the three-year construction period. The project also committed to the implementation of a Vessel Management Plan (VMP) and concluded no significant adverse residual effects were predicted during the operations and maintenance phase in respect of marine mammals.</p> <p>Additional vessels from survey projects could also temporally overlap with the construction, operation and decommissioning phases of the Project. These include:</p> <ul style="list-style-type: none"> • EirGrid Electrical Cable Circuit crossing Dublin Bay (ID 285) ((with construction and operation phases of project); 	<p>the conclusions of the EIAR CIA.</p>

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Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
	<ul style="list-style-type: none"> • East Coast Rail Infrastructure Protection Projects (ECRIPP) (ID 277) (with construction and operation phases of project); • Port infrastructure at Dublin and Meath (ID 278) (with construction and operation phases of project); and • Marine environmental surveys for the Uisce Éireann strategic modelling study of water currents and bathymetry along the South East coast of Ireland (ID 350)(with construction and operation phases of project). <p>The specific type and number vessels to be used by these projects have not yet been determined however surveys are expected to be short to medium term, and the numbers of vessels are expected to be very low compared to those required at the Project (likely up to two per project). Additionally (as for the impact of injury and/or disturbance to marine megafauna from elevated underwater noise during routine geophysical surveys) it is highly unlikely that all surveys would be conducted simultaneously, due to practical limitations, and therefore the increase in vessels at any one time is expected to be extremely low. As such, no increased cumulative effect is anticipated.</p> <p>The temporal overlap in construction activities of the Project with construction/operations and maintenance activities for these projects will be approximately two years. The duration of vessel activity is considered to be medium term (throughout the construction phase of the Project) and localised for each project; however, it should be noted that vessel movements will occur intermittently over this period. Cumulatively, the total number of vessels associated with construction and operations and maintenance phases of respective projects will represent an increase in vessel activity within the Regional Marine Megafauna Study Area. Considering that the assessment is based on the maximum design parameters, it is likely that the number of vessels present at respective projects at any given time will be lower and, it is considered unlikely to lead to any change to the conclusions of the EIAR marine mammals and megafauna CIA ('slight or imperceptible adverse' significance) in the context of ongoing baseline vessel activity in the Regional Marine Megafauna Study Area.</p>	

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3.5 Offshore Ornithology

3.5.1 Updated list of projects

The projects screened into the CIA for Offshore Ornithology are outlined in Table 3-9. The locations of screened in projects in relation to the Project are illustrated in Figure 3-5.

Table 3-9: Updated list of other projects considered within the CIA for Offshore Ornithology*.

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
North Irish Sea Array (NISA) Offshore Wind Farm	Maritime Area Consent; Planning	16.2	18.1	EIAR (2024) refers to the construction of an offshore wind farm of up to 500 MW, consisting of up to 49 turbines (Option 1) with a maximum height of 316 m (Option 1) and rotor diameter of up to 276 m and one Offshore substation platforms. EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required.. The proposed export capacity is 700 MW ²⁴	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction, operation and maintenance and decommissioning phases to overlap with the Project.
Dublin Array Offshore Wind Farm	Maritime Area Consent; Planning	61.2	57	Scoping report (2020) refers to the construction of Bray and Kish offshore wind farm of up to 900 MW, consisting of up to 61 turbines with a maximum height of 308 m and rotor diameter of up to 285 m and up to three offshore substation platforms.²⁵	Unknown Estimated 2027-2030 Construction is anticipated to range from 18 to 30 months.	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction, operation and maintenance and decommissioning phases to overlap with the Project.

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

²⁴ <https://northirishsearraysid.ie/>

²⁵ Project website: <https://dublinarray.com/project-information/key-facts/>; states between 39 and 50 turbines (total project capacity 824 MW) individual tip heights between approx. 270 m and 310 m.

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Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				<p>EIAR (2025) refers to the construction of an offshore wind farm with an export capacity of 824 MW. The EIAR considers three design options with a maximum number of turbines of 50 and a maximum rotor diameter of 278 m.²⁶</p>			
Codling Wind Park	Maritime Area Consent; Planning	61.4	57.2	<p>EIA Scoping report (2020) refers to the construction of an offshore wind farm of up to 1500 MW, consisting of up to 140 turbines with a maximum height of 320 m and rotor diameter of up to 288 m. The project will also contain up to five offshore substation platforms.²⁷</p> <p>EIAR (2024) refers to the construction of an offshore wind farm with the export capacity of 1300 MW. Two WTG Layout Options are proposed, with a maximum number of turbines of 75 and a maximum rotor diameter of 276. Three offshore substations are required.²⁸</p>	<p>Unknown</p> <p>Estimated 2027-2030</p> <p>Construction anticipated to range from three to four years.</p>	<p>Unknown</p> <p>(Design life minimum 35 years)</p> <p>Estimated commencement in 2030</p> <p>25-year operational lifetime</p>	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Arklow Bank Wind Farm Phase 2	Maritime Area Consent; Planning	107.1	104.7	<p>EIA Scoping Report: The project will include between 37 and 56 turbines and up to two Offshore Substation Platforms (OSP) and foundation substructures. The area in which the proposed wind turbines, inter-array cables and OSP(s) will be located on Arklow Bank covers</p>	<p>Unknown</p> <p>Estimated 2027-2030</p>	<p>Unknown</p> <p>(Design life minimum 35 years)</p> <p>Estimated commencement in 2030</p>	Potential for overlap with construction, operation and maintenance and decommissioning phases.

²⁶ <https://dublinarray-marineplanning.ie/eiar/>

²⁷ Project website: <https://codlingwindpark.ie/the-project/>: states max energy output 1300 MW, 100 turbines, turbine tip height max 320 m.

²⁸ <https://codlingwindparkplanningapplication.ie/environmental-impact-assessment-report-eiar/>

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Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				<p>an area of seabed approximately 64km².²⁹</p> <p>EIAR (2024) refers to an offshore wind farm with an export capacity of 800 MW. Two Project Design Options are proposed with a maximum number of turbines of 56 and maximum rotor diameter of 250 m. Two offshore substations are required.³⁰</p>			
Holyhead Deep – Phase 1 (Minesto Tidal Kite)	Operational (partial)	105.7	108	Underwater tidal kites, one 0.5MW tidal kite operational in 2017, plans for up to 60 1.2MW devices.	2017 to ongoing	2018 to ongoing	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Morgan Offshore Wind Farm – Generation Assets	Consented (not yet constructed)	119.5	124	<p>PEIR indicates up to 107 wind Turbines</p> <p>Up to 96 wind turbines. 1,500MW capacity.</p>	Unknown 2026 to 2029	Unknown 2030 to 2065	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Arklow Bank Wind Farm Phase 1	Operational; Application to decommission	120.2	117.5	Seven 3.6 MW turbines. Hub height 73.5m. Rotor diameter 124m.	2002 to 2003	2004 to 2028	Potential for overlap with operation and maintenance phase.
Mona Offshore Wind Farm	Consented (not yet constructed)	127.1	131.4	<p>PEIR indicates up to 107 wind Turbines</p> <p>Up to 96 wind turbines. 1,500MW capacity.</p>	Unknown 2026 to 2029	Unknown 2030 to 2065	Potential for overlap with construction, operation and maintenance and decommissioning phases.

²⁹ Project website <https://www.eserenewables.com/>: states between 36 and 60 turbines (up to 800MW) along with one to two OSS and foundation substructures, a network of inter-array cabling and two offshore export cables.

³⁰ <https://www.arklowbank2offshoreplanning.ie/eiar/>

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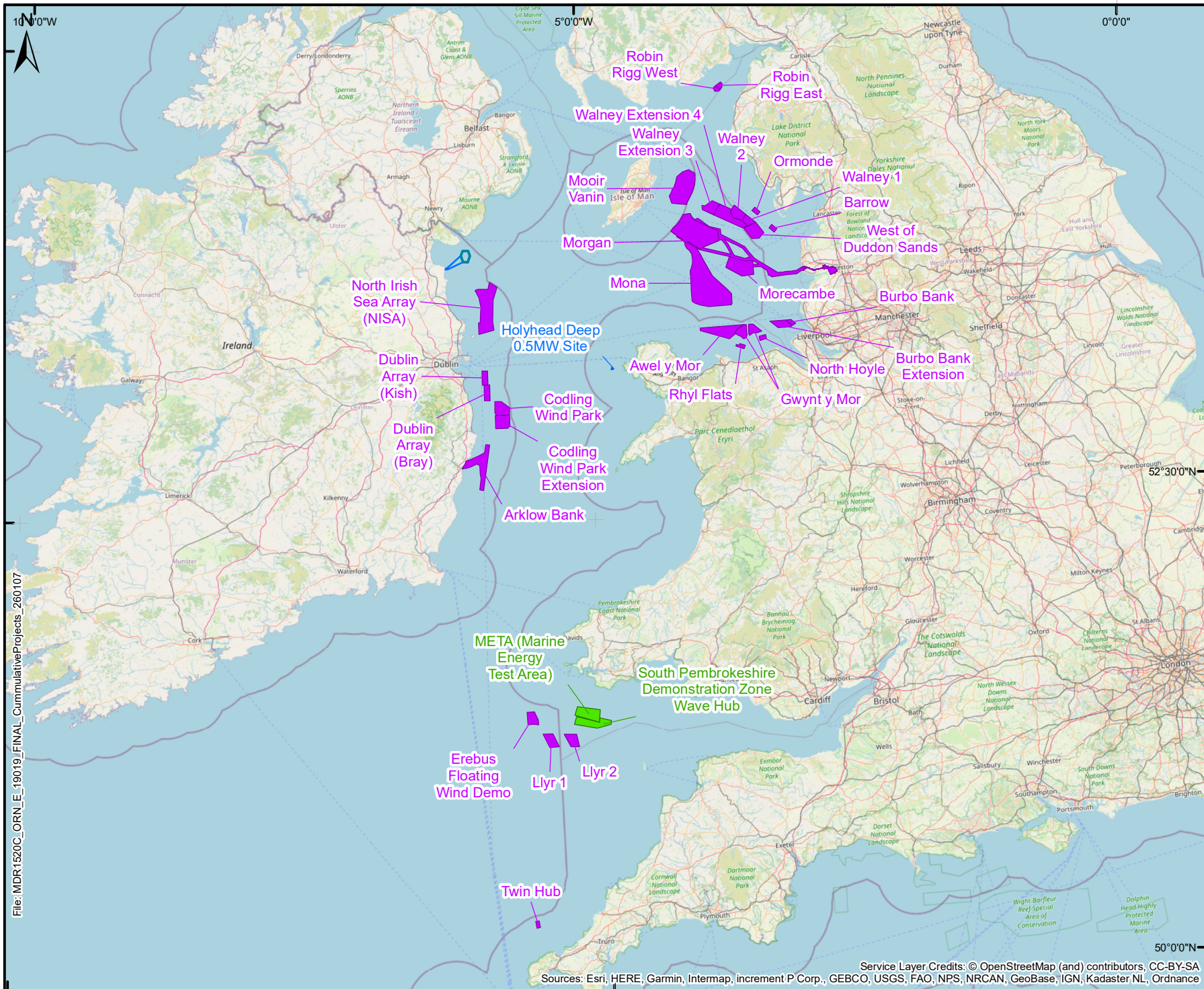
Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Walney Extension 3 Offshore Wind Farm	Operational	139.9	144.6	40 8.25MW turbines. Hub height 113m. Rotor diameter 164m	2017	2018 to 2039	Potential for overlap with operation and maintenance phase.
Awel y Môr Offshore Wind Farm	Consented (not yet constructed)	142.4	145.2	Up to 50 turbines. Rotor diameter up to 306m and a minimum of 11.5MW per turbine. Up to 100 MW (48 to 91 wind turbines)	2026 to 2029 2030	2030 to 2065 2055	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Walney Extension 4 Offshore Wind Farm	Operational	146	150.6	47 7MW turbines. Hub height 111m. Rotor diameter 154m	2017	2018 to 2039	Potential for overlap with operation and maintenance phase.
Morecambe Offshore Wind Farm - Generation Assets	Planning – PIER submitted Consented (not yet constructed)	151.3	155.2	PEIR report indicates up to 40 wind turbines. 480MW capacity.	Unknown 2026 to 2028	2-Unknown 030 - 2065	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Walney 2 Offshore Wind Farm	Operational	155.8	160.5	51 3.6MW turbines. Hub height 84m. Rotor diameter 107m.	2011	2012 to 2032	Potential for overlap with operation and maintenance phase.
Walney 1 Offshore Wind Farm	Operational	162.5	166.7	51 3.6MW turbines. Hub height 84m. Rotor diameter 107m.	2010	2010 to 2032	Potential for overlap with operation and maintenance phase.
West of Duddon Sands Offshore Wind Farm	Operational	162.3	166.7	108 3.6MW turbines. Hub height 90m. Rotor diameter 120m.	2013 to 2014	2014 to 2033	Potential for overlap with operation and maintenance phase.
Gwynt y Mor Offshore Wind Farm	Operational	163.4	166.3	160 3.MW turbines. Hub height 98m. Rotor diameter 107m.	2012	2015 to 2032	Potential for overlap with operation and maintenance phase.
Rhyl Flats Offshore Wind Farm	Operational	165.6	168.3	25 3.6MW turbines. Hub height 80m. Rotor diameter 107m.	2007	2009 to 2027	Potential for overlap with operation and maintenance and decommissioning phases.

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Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Ormonde Offshore Wind Farm	Operational	168.6	173.2	30 5MW turbines. Hub Height 100m. Rotor diameter 126m.	2010	2012 to 2036	Potential for overlap with operation and maintenance phase.
Robin Rigg Offshore Wind Farm	Operational	173.3	178.5	58 3MW turbines. Hub height 80m. Rotor diameter 90m.	2009	2010 to 2030	Potential for overlap with operation and maintenance phase.
North Hoyle Offshore Wind Farm	Operational	177.1	180.0	30 2MW turbines. Hub height 70m. Rotor diameter 80m.	2003	2004 to 2028	Potential for overlap with operation and maintenance phase.
Barrow Offshore Wind Farm	Operational	177.2	181.6	30 3MW turbines. Hub height 75m. Rotor diameter 90m.	2005	2006 to 2028	Potential for overlap with operation and maintenance phase.
Burbo Bank Offshore Wind Farm Extension	Operational	181.1	184.3	32 8.0MW turbines. Hub height 105m. Rotor diameter 160m	2016	2017 to 2045	Potential for overlap with operation and maintenance phase.
Burbo Bank Offshore Wind Farm	Operational	191.1	194.4	23 3.6MW turbines. Hub height 78m. Rotor diameters 107m.	2006	2007 to 2039	Potential for overlap with operation and maintenance phase.
Marine Energy Test Areas (META) Pembrokeshire	Operational	253.9	~250	Tidal, wave and floating offshore wind test site.	2019	2019 to 2029	Potential for overlap with operation and maintenance phase.
Erebus Offshore Wind Farm	Planning – consented (not yet constructed)	267.9	265.4	100MW capacity demonstration & testing site for floating wind.	2025	2026 to 2051	Potential for overlap with construction, operation and maintenance and decommissioning phases.
South Pembrokeshire Demonstration Zone – Wave Hub	Planning	273.8	~270	Wave energy test site of up to 100 MW	2019	2019 to 2048	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Moor Vannin Wind Farm	Planning – ES submitted	112	127	Up to 87 wind turbines. Up to 1.4GW capacity	Estimated 2030-2032	Estimated 2033 – unknown	Potential for overlap with construction, operation

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
							and maintenance and decommissioning phases.
Twinhub	Planning - consented	391	388	Two floating offshore wind platforms, each with two wind turbines. Installed capacity of 32 MW.	2024 – 2025	2026 - unknown	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Llŷr floating offshore wind project	Planning	282	279	Up to 10 wind turbine generators (WTGs)	2027-2029	2039-Unknown	Potential for overlap with construction, operation and maintenance and decommissioning phases.



Legend

- Offshore Wind Farm Area
- Offshore Cable Corridor
- Offshore Wind Farm
- Tidal Project
- Wave Project

Data Sources: Client,



Client



Project

Oriel Wind Farm Project

Title **Figure 3-5**
Other projects screened in for
cumulative assessment for
Offshore Ornithology



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Issue Details

Drawn By: MJ	Project No. MDR1520C
Checked By: MJ	File Ref:
Approved By: EC	MDR1520C_ORN_E_19019_FINAL
Scale: 1:3,000,000 @ A4	Projection:
Date: 07/01/2026	ITM (IRENET95) Geographic Co-ordinates: ETRS89

NOTE: 1. This drawing is the property of RPS Group Ltd. It is a confidential document and must not be copied, used, or its contents divulged without prior written consent.
2. All levels are referred to Ordnance Datum, Malin Head.

Service Layer Credits: © OpenStreetMap (and) contributors, CC-BY-SA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance

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3.5.2 Updated CIA

The Applicant can confirm that magnitude of impact presented in this section is given in context of the breeding population and non-breeding populations, including juveniles/immatures birds. As stated in section 11.10 of chapter 11: Offshore Ornithology, the proportion of juveniles to adult birds was taken from Horswill and Robinson (2015). In the non-breeding season, the Biologically Defined Minimum Population Scales (BDMPS) populations from Furness (2015) were used, which accounts for individuals of all ages. The colonies included within each species' breeding foraging range, together with the associated colony counts, are listed in appendix 11-7: Offshore Ornithology Apportioning Impacts to Individual Colonies (EIAR volume 2B). For the cumulative impact assessment, the Applicant has used the largest population estimates from Furness (2015), as detailed in Table 11-11 and section 11.11 of the chapter 11, except for the common gull. In this case, an aggregated winter population estimate for the UK and Ireland as presented in Section 11.11 of the chapter 11. The information is summarised in Table 3-10.

Table 3-10: Population used for the project alone assessment and the Cumulative Impact Assessment (CIA). Colony counts within foraging range (Woodward et al., 2019) were extracted from the Seabird Monitoring Programme (SMP) online database (available online at: <https://app.bto.org/seabirds/public/index.jsp>). Proportion of immatures in the breeding population derived from Horswill and Robinson (2015) are also presented.

Species	Mean maximum foraging range plus one SD (adults only)	Proportion of immatures in the breeding population (derived from Horswill and Robinson, 2015)	Mean maximum foraging range plus one SD (adults and immatures) for the project alone assessment	CIA population (largest BDMPS population (adults and immatures))
Arctic tern	N/A	N/A	N/A	N/A
Black guillemot	N/A	N/A	N/A	N/A
Black-headed gull	N/A	N/A	N/A	N/A
Common gull	N/A	N/A	N/A	734,567
Common scoter	N/A	N/A	N/A	N/A
Common tern	N/A	N/A	N/A	N/A
Cormorant	N/A	N/A	N/A	N/A
Fulmar	N/A	N/A	N/A	N/A
Gannet	150,897	0.761	265,730	N/A
Great black-backed gull	1,192	1.538	3,025	53,181
Great northern diver	N/A	N/A	N/A	2,128
Great skua	N/A	N/A	N/A	N/A
Guillemot	351,632	0.916	673,727	1,567,398
Herring gull	9,666	1.37	22,908	196,791
Kittiwake	78,274	0.898	148,564	928,207
Lesser black-backed gull	N/A	N/A	N/A	N/A
Manx shearwater	1,289,394	0.840	2,372,485	N/A
Puffin	N/A	N/A	N/A	N/A
Razorbill	55,886	0.876	104,842	606,914
Red-breasted merganser	N/A	N/A	N/A	N/A
Red-throated diver	N/A	N/A	N/A	N/A
Roseate tern	N/A	N/A	N/A	N/A
Sandwich tern	N/A	N/A	N/A	N/A
Shag	N/A	N/A	N/A	N/A

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3.5.3 Disturbance and displacement during the operational and maintenance phase

There is potential for cumulative displacement as a result of operational activities associated with the Project along with other developments.

The level of data available and the ease with which disturbance and displacement impacts can be combined across the wind farms is quite variable, reflecting the availability of relevant data for other projects and the approach to assessment taken. During the operation and maintenance phase, the presence of offshore turbines has the potential to directly disturb and displace seabirds that would normally reside within and around the area of sea where offshore wind farms are located. Displacement may contribute to individual birds experiencing fitness consequences, which at an extreme level could lead to the mortality of individuals. Cumulative displacement therefore has the potential to lead to effects on a wider scale.

The species assessed for cumulative displacement impacts were great northern diver, guillemot and razorbill.

With regards to this CIA of displacement effects, suitable information was obtained from each relevant project's publicly available documentation. As requested by the regulators the amount of data available and the practicality of combining impacts across projects is variable. Wherever possible, the cumulative assessment is quantitative, however where no data is available, the cumulative assessment is qualitative.

3.5.3.1 Great northern diver

Magnitude of impact

Great northern divers are a non-breeding species in the Irish Sea and are confined to a relatively small foraging range. During passage and the wintering season, most individuals occupy nearshore coastal waters. Accordingly, Table 3-11 includes only those projects within Irish waters that could contribute to cumulative impacts on the non-breeding population of great northern diver.

No species-specific assessments for great northern diver have been undertaken for any Irish projects. Peak counts within 4 km of the various array areas are presented below. The lack of detailed assessment of potential impacts for Tier 1 projects in other parts of the Irish Sea indicates that the magnitude of potential impacts at those sites was deemed to be negligible.

Table 3-11: Great northern diver cumulative abundances for offshore wind projects for disturbance and displacement assessment during operation.

Project	Non-breeding cumulative abundance	Pre-breeding season cumulative abundance	Post-breeding season cumulative abundance	Migration free winter season
Tier 1 projects				
Arklow Bank Wind Farm Phase 1	No data presented			
Arklow Bank Wind Farm Phase 2	10	0	0	10
Codling Wind Park	54	12	8	35
Dublin Array Offshore Wind Farm	4	2	1	2
NISA Offshore Wind Farm	18	3	0	15
Total (Tier 1 projects)	86	16	9	61
Oriel Wind Farm Project	382	Not presented		

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Project	Non-breeding cumulative abundance	Pre-breeding season cumulative abundance	Post-breeding season cumulative abundance	Migration free winter season
Cumulative total (all projects)	468	Not presented for Oriel		

Using 90 - 100 % displacement and 1 % mortality results in an estimated annual mortality of four to five birds. Burke *et al.* (2018) estimated a non-breeding population of 2,128 for Ireland (Table 3-10) and approximate background mortality at a rate of 0.161 gives a background annual mortality of 343 birds. This results in an increase of baseline mortality of 1.23% to 1.37%. However, this approach is very highly precautionary, considering that all birds within the area 4 km from the offshore wind farm area are displaced. It is more realistic to consider that there may be high displacement rate in areas closer to the offshore wind farm area with less displacement as distance increases.

The cumulative impact of disturbance and displacement caused by operational and maintenance activities during the non-breeding season is predicted to be of local spatial extent, long term duration, continuous and medium reversibility and any increases in mortality associated with operational and maintenance activities are unlikely to significantly affect the population. It is predicted that the impact will affect the receptor both directly and indirectly. The magnitude is considered to be low.

Sensitivity of receptor

As detailed within the alone assessment, great northern diver are deemed to be of high vulnerability and high conservation value. The sensitivity of the receptor is therefore, considered to be high.

Significance of the effect

Overall, the magnitude of the cumulative impact is deemed to be low and the sensitivity of great northern diver is considered to be high. The cumulative effect will, therefore, be of **slight adverse significance** depending on the degree of overlap between the operation phase of the projects, which is currently unknown.

3.5.3.2 Guillemot

Magnitude of impact

The estimated cumulative abundance of guillemot from the CIA projects, for which data is available is presented in Table 3-12. There are a number of projects for which there are no, or limited, data on the number of guillemot predicted to be displaced, in particular, for some of the earlier developments. The abundances presented for the Project are the larger of the boat-based or DAS estimates.

Table 3-12: Guillemot cumulative abundances for offshore wind projects for disturbance and displacement assessment during operation.

Project	Annual cumulative abundance	Breeding season cumulative abundance	Non-breeding season cumulative abundance
Tier 1 projects			
Holyhead Deep – Phase 1 (Minesto Tidal Kite)	Underwater collision predicted		
Arklow Bank Wind Farm Phase 1	Not presented		
Walney Extension 3 + 4 Offshore Wind Farms	6096	4169	1927
Awel y Môr Offshore Wind Farm	4488	1569	2919
Walney 1 + 2 Offshore Wind Farms	388	161	227

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Project	Annual cumulative abundance	Breeding season cumulative abundance	Non-breeding season cumulative abundance
West of Duddon Sands Offshore Wind Farm	1487	1321	166
Gwynt y Mor Offshore Wind Farm	354	149	205
Rhyl Flats Offshore Wind Farm	117	49	68
Ormonde Offshore Wind Farm	968	912	56
Robin Rigg Offshore Wind Farm	226	138	88
North Hoyle Offshore Wind Farm	108	45	63
Barrow Offshore Wind Farm	105	43	62
Burbo Bank Offshore Wind Farm Extension	2561	1000	1561
Burbo Bank Offshore Wind Farm	99	41	58
Erebus Offshore Wind Farm	35339	7001	28338
Twinhub Offshore Wind Farm	256	39	217
7,976 Mona Offshore Wind Farm	7,976	4,220	3,756
Morgan Offshore Wind Farm – Generation Assets	7,834	4,010	3,824
Morecambe Offshore Wind Farm - Generation Assets	14,689	6,374	8,315
Arklow Bank Wind Farm Phase 2	8,122	3,033	5,079
Codling Wind Park	16,964	3,624	13,340
Dublin Array Offshore Wind Farm	20,750	18,687	2,063
NISA Offshore Wind Farm	43,468	13,703	29,765
Llŷr floating offshore wind project	15,035	2,026	13,009
Moor Vannin Wind Farm	4,419	2,111	2,308
Total (Tier 1 projects)	191,849	74,426	117,414
Oriel Wind Farm Project	3,490	820	2,670
Cumulative total (all projects)	195,339	75,246	120,084

For the cumulative displacement assessment, 50% displacement and 1% mortality was used to be in line with recent evidence from Hornsea projects which indicate the level of displacement is not as high as stated within the SNCB document (SNCB, 2022).

As the data was not presented consistently with some data not presented for a specific season, an assessment of the annual total is included. Annually, the displacement from operation of all projects/plans would result in an estimated 977 additional mortalities (using 50% displacement and 1% mortality).

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Holyhead Deep tidal project predicted an addition of 7.9 underwater collisions; therefore the total cumulative impact would be 985.

Using the largest BDMPs population of 1,567,398 individuals (non-breeding period, adapted from Furness, 2015 – see table 11-11 in Chapter 11 Offshore Ornithology and Table 3-12) and the average baseline mortality of 0.198, the background predicted mortality would be 310,345. The addition of an estimated 985 mortalities would increase the baseline mortality rate by 0.32 %. It is considered that a reduction of 0.32 % to be of low significance.

These numbers demonstrate that the operations and maintenance phase of the Project combined with the operations phase of the surrounding projects in the Irish Sea would cumulatively not cause a significant impact to the regionally guillemot population.

Sensitivity of receptor

As detailed above within the alone assessment, guillemot are deemed to be of high vulnerability, medium recoverability and high conservation value. The sensitivity of the receptor is therefore considered to be high.

Significance of the effect

Overall, the magnitude of the cumulative impact is deemed to be low and the sensitivity of guillemot are considered to be high. The cumulative effect will therefore be of **slight adverse significance**, which is not significant in EIA terms.

3.5.3.3 Razorbill

Magnitude of impact

The estimated cumulative abundance of razorbill from the CIA projects, for which data is available is presented in Table 3-13. There are a number of projects for which there are no, or limited, data on the number of guillemot predicted to be displaced, in particular, for some of the earlier developments. The abundance presented for the Project are the larger of the boat-based or DAS estimate.

Table 3-13: Razorbill cumulative abundances for offshore wind projects for disturbance and displacement assessment during operation.

Project	Annual cumulative abundance	Pre-breeding season cumulative abundance	Breeding season cumulative abundance	Post-breeding season cumulative abundance	Non-breeding season cumulative abundance
Holyhead Deep – Phase 1 (Minesto Tidal Kite)	Underwater collision predicted				
Arklow Bank Wind Farm Phase 1	No data presented				
Walney Extension 3 + 4 Offshore Wind Farms	4,016	-	76	874	3,066
Awel y Môr Offshore Wind Farm	692	336	140	66	150
Walney 1 + 2 Offshore Wind Farms	111	40	12	25	34
West of Duddon Sands Offshore Wind Farm	202	-	-	-	202

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Project	Annual cumulative abundance	Pre-breeding season cumulative abundance	Breeding season cumulative abundance	Post-breeding season cumulative abundance	Non-breeding season cumulative abundance
Gwynt y Mor Offshore Wind Farm	105	39	12	22	32
Rhyl Flats Offshore Wind Farm	33	12	4	7	10
Ormonde Offshore Wind Farm	198	10	174	6	8
Robin Rigg Offshore Wind Farm	103	15	63	11	14
North Hoyle Offshore Wind Farm	29	11	3	6	9
Barrow Offshore Wind Farm	8	3	1	2	2
Burbo Bank Offshore Wind Farm Extension	93	-	64	-	29
Burbo Bank Offshore Wind Farm	28	10	3	6	9
Erebus Offshore Wind Farm	3,867	896	194	1,708	1,069
Twinhub Offshore Wind Farm	65	-	12	-	53
Mona Offshore Wind Farm	2,519	1,924	83	91	421
Morgan Offshore Wind Farm – Generation Assets	1,787	328	35	254	1,170
Morecambe Offshore Wind Farm - Generation Assets	1,979	382	252	694	651
Arklow Bank Wind Farm Phase 2	8,313	3,711	211	2,319	2,072
Codling Wind Park	6,083	409	674	4,360	640
Dublin Array Offshore Wind Farm	3,897	478	1,068	2,070	281
NISA Offshore Wind Farm	6,101	483	68	3,371	2,079
Llŷr floating offshore wind project	2,659	257	21	1,888	493
Moor Vannin Wind Farm	2,136	1194	76	653	214
Total (Tier 1 projects)	45,024	10,538	3,346	18,433	12,708

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Project	Annual cumulative abundance	Pre-breeding season cumulative abundance	Breeding season cumulative abundance	Post-breeding season cumulative abundance	Non-breeding season cumulative abundance
Oriel Wind Farm Project	2,659	859	12	962	512
Cumulative total (all projects)	47,683	11,397	3,358	19,395	13,220

For the cumulative displacement assessment, 50 % displacement and 1 % mortality was used to be in line with recent evidence from Hornsea projects which indicate the level of displacement is not as high as stated within the SNCB document (SNCB, 2022).

As the data was not presented consistently with some data not presented for a specific season, an assessment of the annual total is included. Annually, the displacement from operation of all projects/plans would result in an estimated 238 additional mortalities (using 50% displacement and 1% mortality). Holyhead Deep tidal project predicted an addition of 0.8 underwater collisions, therefore the total cumulative impact would be 239.

Using the largest BDMPS population of 606,914 individuals (post- and pre-breeding migration, adapted from Furness, 2015 – see table 11-11 in Chapter 11 Offshore Ornithology and Table 3-10) and the average baseline mortality of 0.129, the background predicted mortality would be 78,292. The addition of an estimated 239 mortalities would increase the baseline mortality rate by 0.30 %. It is considered that a reduction of 0.30 % to be of **low** significance.

These numbers demonstrate that the operations and maintenance phase of the Project combined with the operations phase of the surrounding projects in the Irish Sea would cumulatively not cause a significant impact to the regional razorbill population.

Sensitivity of receptor

As detailed above within the alone assessment, razorbill are deemed to be of high vulnerability, medium recoverability and high conservation value. The sensitivity of the receptor is therefore considered to be high.

Significance of the effect

Overall, the magnitude of the cumulative impact is deemed to be low and the sensitivity of razorbill are considered to be high. The cumulative effect will therefore be of **slight adverse significance**, which is not significant in EIA terms.

3.5.3.4 Conclusion

As presented above, the CIAs for these projects, including the Project, all concluded that there would be no potential for significant effects as a result of these projects when considered cumulatively.

Therefore, it is considered that the significance of effect for disturbance and displacement considering the additional information and cumulative projects would be unchanged from that presented in chapter 11: Offshore Ornithology and would remain of slight adverse significance which is not significant in EIA terms.

3.5.4 Collision risk during the operational and maintenance phase

The Project area, together with that of other offshore wind farms may contribute to cumulative collision risk during the operational and maintenance phase of the developments. Other projects screened into the assessment within the Cumulative Offshore Ornithology Study Area are presented in Table 3-9. The five species identified as potentially impacts by the project alone during operational and maintenance phase were common gull, gannet, great black-backed gull, herring gull and kittiwake; these species have therefore been assessed for cumulative impacts. The five species selected for CRM were screened in for assessment based on their perceived vulnerability to collision (e.g. Furness *et al.*, 2013), together with their abundance

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within the baseline dataset. The estimated number of collisions presented for the Project is from Band Option 2, to allow direct comparisons with the other projects.

Collision estimates were available for some of the above species for some of the offshore wind farms located in UK and Irish waters; together with the Project alone annual collision risk estimates (the largest risk from the Project is presented, from the differing Band Model options and survey methods), these are summarised in Table 3-14 to Table 3-17 below. The estimated number of collisions presented for other Phase 1 projects has been derived from the most impactful scenario for each project. Specifically, for Llyr 1 this is a 10-turbine scenario; for Arklow 2 this is Project Option 1b; for NISA this is Project Option 2, for Colding this is Project Option A, Band Option 2 and for Dublin Array this is turbine model option A, Band Option 2. As a result, this provides an insight into the most impactful scenario for predicted collision risk, with cumulative impacts expected to be lower.

3.5.4.1 Common gull

Magnitude of impact

The estimated cumulative collision risk of common gull from the CIA projects, for which data is available is presented in Table 3-14. There are a number of projects for which there are no, or limited, data on the number of common gull predicted to be impacted, in particular, for some of the earlier developments.

Table 3-14: Common gull cumulative collision risk of other wind farm sites included in the CIA.

Project	Annual cumulative collision risk	Breeding cumulative collision risk	Non-breeding cumulative collision risk
Holyhead Deep – Phase 1 (Minesto Tidal Kite)	No collisions predicted due to nature of the technology		
Arklow Bank Wind Farm Phase 1	No data presented		
Walney Extension 3 + 4 Offshore Wind Farms	21.2	Not presented	Not presented
Awel y Môr Offshore Wind Farm	0.14	Not presented	Not presented
Walney 1 + 2 Offshore Wind Farms	No data presented		
West of Duddon Sands Offshore Wind Farm	No data presented		
Gwynt y Mor Offshore Wind Farm	No data presented		
Rhyl Flats Offshore Wind Farm	No data presented		
Ormonde Offshore Wind Farm	No data presented		
Robin Rigg Offshore Wind Farm	No data presented		
North Hoyle Offshore Wind Farm	No data presented		
Barrow Offshore Wind Farm	No data presented		
Burbo Bank Offshore Wind Farm Extension	No data presented		
Burbo Bank Offshore Wind Farm	No data presented		
Erebus Offshore Wind Farm	No data presented		

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Project	Annual cumulative collision risk	Breeding cumulative collision risk	Non-breeding cumulative collision risk
Twinhub Offshore Wind Farm	No data presented		
Mona Offshore Wind Farm	Not data presented		
Morgan Offshore Wind Farm – Generation Assets	Not data presented		
Morecambe Offshore Wind Farm - Generation Assets	3.41	Not presented	Not presented
Arklow Bank Wind Farm Phase 2	137.00	0.55	3.28
Codling Wind Park	1.54	0.00	0.19
Dublin Array Offshore Wind Farm	3.51	0.13	3.38
NISA Offshore Wind Farm	4.70	0.00	0.77
Llŷr floating offshore wind project	No data presented		
Moor Vannin Wind Farm	No data presented		
Cumulative Total (Tier 1 projects)	168.69	0.68	7.61
Oriel Wind Farm Project	20.25	0.00	20.25
Cumulative total (all projects)	188.94	0.68	27.86

Using an amalgamated UK and Ireland winter population estimated of 734,567 individuals (713,129 from the UK, Channel Isles and Isle of Man (Banks *et al.*, 2007) and an additional 21,438 from Ireland (Burke *et al.*, 2018)) and the average baseline mortality of 0.253, the background predicted mortality would be 185,845. The addition of an estimated 188.94 mortalities would increase the baseline mortality rate by 0.10 %. Using both the UK and Ireland population is appropriate due to many of the cumulative projects occurring within UK waters.

The impact of collisions is predicted to be of international spatial extent, long term duration, continuous and high reversibility. Therefore, the magnitude is considered to be low.

Sensitivity of receptor

As detailed above within the alone assessment, common gull are deemed to be of high vulnerability, high recoverability and high conservation value. The sensitivity of the receptor is therefore considered to be high.

Significance of the effect

Overall, the magnitude of the impact is deemed to be low and the sensitivity of the receptor is considered to be high. The effect will, therefore, be of **slight adverse significance**, which is not significant in EIA terms.

3.5.4.2 Great black-backed gull

Magnitude of impact

The estimated cumulative collision risk of great black-backed gull from the CIA projects, for which data is available is presented in Table 3-15. There are a number of projects for which there are no, or limited, data on the number of great black-backed gull predicted to be impacted, in particular, for some of the earlier developments.

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Table 3-15: Great black-backed gull cumulative collision risk of other wind farm sites included in the CIA.

Project	Annual cumulative collision risk		Non-breeding cumulative collision risk
Holyhead Deep – Phase 1 (Minesto Tidal Kite)	No collisions predicted due to nature of the technology		
Arklow Bank Wind Farm Phase 1	Not data presented		
Walney Extension 3 + 4 Offshore Wind Farms	16.2	Not presented	Not presented
Awel y Môr Offshore Wind Farm	5.94	5.32	0.62
Walney 1 + 2 Offshore Wind Farms	8.39	4.62	3.78
West of Duddon Sands Offshore Wind Farm	8.32	5.67	2.68
Gwynt y Mor Offshore Wind Farm	10.27	5.74	4.53
Rhyl Flats Offshore Wind Farm	1.91	0.89	1.01
Ormonde Offshore Wind Farm	0.29		
Robin Rigg Offshore Wind Farm	4.16	1.97	2.18
North Hoyle Offshore Wind Farm	1.69	0.96	0.73
Barrow Offshore Wind Farm	2.21	0.78	1.42
Burbo Bank Offshore Wind Farm Extension	6.69	3.94	2.75
Burbo Bank Offshore Wind Farm	2.31	1.31	1.00
Erebus Offshore Wind Farm	0.82	-	0.82
Twinhub Offshore Wind Farm	15.74		
Mona Offshore Wind Farm	4.83	1.67	3.16
Morgan Offshore Wind Farm – Generation Assets	5.70	1.10	4.60
Morecambe Offshore Wind Farm - Generation Assets	1.75	0.66	1.09
Arklow Bank Wind Farm Phase 2	1.83	-	1.83
Codling Wind Park	4.22	0.74	0.07
Dublin Array Offshore Wind Farm	9.01	3.72	5.29
NISA Offshore Wind Farm	21.96	1.32	2.19
Llŷr floating offshore wind project	1.64	0.13	0.24
Moor Vannin Wind Farm	1.52	0.87	0.65
Cumulative Total (Tier 1 projects)	137.39	41.42	40.65

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Project	Annual cumulative collision risk		Non-breeding cumulative collision risk
Oriel Wind Farm Project	67.01	2.58	5.88
Cumulative total (all projects)	204.40	44.00	46.53

Using the largest BDMPS population of 53,181 individuals (winter population, adapted from Furness, 2015 – see Table 11.11 in Chapter 11 Offshore Ornithology and Table 3-10) and the average baseline mortality of 0.095, the background predicted mortality would be 5,052. The addition of an estimated 204.40 mortalities would increase the baseline mortality rate by 4.05 %.

Within the cumulative assessment for great black-backed gull an AR of 0.9939 presented within Table 3-15. This is in line with the Natural England AR (Table 11-40 in Chapter 11 Offshore Ornithology). However as presented within the alone assessment the latest evidence as to the species specific AR (Ozsanlav-Harris *et al.*, 2023), an AR of 0.9991 is presented and evidenced from empirical data.

Using the latest available evidence as to the susceptibility of great black-backed gull the estimated collisions would be 31.14 birds. Using the most recent AR, the addition of an estimated 31.14 mortalities would increase the baseline mortality rate by 0.62 %.

The impact of collisions is predicted to be of national spatial extent, long term duration, continuous and high reversibility. Therefore, the magnitude is considered to be low.

Sensitivity of receptor

As detailed above as part of the alone assessment during the non-breeding season great black-backed gull are deemed to be of high vulnerability, high recoverability and high conservation value. The sensitivity of the receptor is therefore considered to be high.

Significance of the effect

Overall, the magnitude of the impact is deemed to be low and the sensitivity of the receptor is considered to be high. The effect will therefore be of **slight adverse significance**, which is not significant in EIA terms.

3.5.4.3 Herring gull

Magnitude of impact

The estimated cumulative collision risk of herring gull from the CIA projects, for which data is available is presented in Table 3-16. There are a number of projects for which there are no, or limited, data on the number of herring gull predicted to be impacted, in particular, for some of the earlier developments.

Table 3-16: Herring gull cumulative collision risk of other wind farm sites included in the CIA.

Project	Annual cumulative collision risk	Breeding cumulative collision risk	Non-breeding cumulative collision risk
Holyhead Deep – Phase 1 (Minesto Tidal Kite)	No collisions predicted due to nature of the technology		
Arklow Bank Wind Farm Phase 1	Not data presented		
Walney Extension 3 + 4 Offshore Wind Farms	62	38	24
Awel y Môr Offshore Wind Farm	2.96	1.66	1.3

Oriel Wind Farm Project – Cumulative Impact Assessment Report

Project	Annual cumulative collision risk	Breeding cumulative collision risk	Non-breeding cumulative collision risk
Walney 1 + 2 Offshore Wind Farms	30.69	19.56	11.13
West of Duddon Sands Offshore Wind Farm	39.63	32.37	7.26
Gwynt y Mor Offshore Wind Farm	38.89	21.32	17.57
Rhyl Flats Offshore Wind Farm	7.62	5.18	2.44
Ormonde Offshore Wind Farm	0.44		
Robin Rigg Offshore Wind Farm	10.15	6.92	3.23
North Hoyle Offshore Wind Farm	4.36	2.39	1.97
Barrow Offshore Wind Farm	16.15	14.34	1.81
Burbo Bank Offshore Wind Farm Extension			
Burbo Bank Offshore Wind Farm	3.38	1.85	1.53
Erebus Offshore Wind Farm	3.77	2.32	1.45
Twinhub Offshore Wind Farm	27.5		
Mona Offshore Wind Farm	1.51	0.03	1.48
Morgan Offshore Wind Farm – Generation Assets	9.9	2	7.9
Morecambe Offshore Wind Farm - Generation Assets	4.16	1.78	2.38
Arklow Bank Wind Farm Phase 2	1.50	0.00	0.25
Codling Wind Park	20.64	3.20	0.24
Dublin Array Offshore Wind Farm	36.01	16.14	19.87
NISA Offshore Wind Farm	47.70	2.42	5.53
Llŷr floating offshore wind project	No data presented		
Moor Vannin Wind Farm	9.76	1.35	8.32
Cumulative total (Tier 1 projects)	402.47	172.83	119.66
Oriel Wind Farm Project	91.89	5.22	10.09
Cumulative total (all projects)	494.36	178.05	129.75

The non-breeding BDMPs for herring gull was estimated to be 196,791 individuals (see Table 11-11 in Chapter 11 Offshore Ornithology and Table 3-10). Using the published figures provided above and the baseline mortality rate (all age class mortality rate of 0.172; see 11-12 in chapter 11: Offshore Ornithology) during the non-breeding period an estimated 38,848 herring gull would die naturally. The addition of up to 494.36 individual collisions represents a 1.27 % increase in mortality. Although this represents an approximately 1% increase in baseline mortality, a population viability analysis (PVA) was not undertaken because PVAs are not specifically designed for non-breeding birds.

Oriel Wind Farm Project – Cumulative Impact Assessment Report

The impact of collisions is predicted to be of international spatial extent, long term duration, continuous and high reversibility. Therefore, the magnitude is considered to be low.

Sensitivity of the receptor

As detailed above as part of the alone assessment herring gull are deemed to be of high vulnerability, medium recoverability and high conservation value. The sensitivity of the receptor is therefore considered to be high.

Significance of the effect

Overall, the magnitude of the impact is deemed to be **low** and the sensitivity of the receptor is considered to be high. The effect will therefore be of **slight adverse significance**, which is not significant in EIA terms.

3.5.4.4 Kittiwake

Magnitude of impact

The estimated cumulative collision risk of kittiwake from the CIA projects, for which data is available is presented in Table 3-17. There are a number of projects for which there are no, or limited, data on the number of herring gull predicted to be impacted, in particular, for some of the earlier developments.

Table 3-17: Kittiwake cumulative collision risk of other wind farm sites included in the CIA.

Project	Annual cumulative collision risk	Pre-breeding cumulative collision risk	Breeding cumulative collision risk	Post-breeding cumulative collision risk
Holyhead Deep – Phase 1 (Minesto Tidal Kite)	No collisions predicted due to nature of the technology			
Arklow Bank Wind Farm Phase 1	Not presented			
Walney Extension 3 + 4 Offshore Wind Farms	183.9	23.2	28.7	132
Awel y Môr Offshore Wind Farm	53.86	23.38	17.81	12.67
Walney 1 + 2 Offshore Wind Farms	9.37	1.72	5.07	2.58
West of Duddon Sands Offshore Wind Farm	10.74	2.59	3.99	4.16
Gwynt y Mor Offshore Wind Farm	3.62	0.84	1.45	1.33
Rhyl Flats Offshore Wind Farm	3.27	0.75	1.34	1.18
Ormonde Offshore Wind Farm	4.99	Not presented	Not presented	Not presented
Robin Rigg Offshore Wind Farm	3.34	0.74	1.33	1.27
North Hoyle Offshore Wind Farm	3.22	0.77	1.47	0.98
Barrow Offshore Wind Farm	2.63	0.63	1.19	0.81
Burbo Bank Offshore Wind Farm Extension	64	Not presented	Not presented	Not presented

Oriel Wind Farm Project – Cumulative Impact Assessment Report

Project	Annual cumulative collision risk	Pre-breeding cumulative collision risk	Breeding cumulative collision risk	Post-breeding cumulative collision risk
Burbo Bank Offshore Wind Farm	2.22	0.54	0.84	0.84
Erebus Offshore Wind Farm	57.52	19.11	0.77	37.64
Twinhub Offshore Wind Farm	10.8			
Mona Offshore Wind Farm	32.67	8.74	15.52	8.41
Morgan Offshore Wind Farm – Generation Assets	40	5.3	16.4	18.3
Morecambe Offshore Wind Farm - Generation Assets	25.44	0.62	16.32	8.5
Arklow Bank Wind Farm Phase 2	209.20	37.33	3.33	2.77
Codling Wind Park	18.10	2.15	0.90	1.17
Dublin Array Offshore Wind Farm	29.49	5.45	13.57	10.49
NISA Offshore Wind Farm	23.85	0.75	1.70	3.93
Llŷr floating offshore wind project	2.56	0.19	0.31	0.12
Moor Vannin Wind Farm	46.92	19.32	11.07	16.53
Cumulative total (Tier 1 projects)	789.80	134.78	132.01	249.15
Oriel Wind Farm Project	55.05	6.63	1.53	1.69
Cumulative total (all projects)	844.85	141.41	133.54	250.84

Using the largest BDMPS population of 928,207 individuals (autumn migration population, adapted from Furness, 2015 – see Table 11-11 in chapter 11: Offshore Ornithology) and the average baseline mortality of 0.156, the background predicted mortality would be 144,800. The addition of 844.85 mortalities would increase the baseline mortality rate by up to 0.58 %.

The impact of collisions is predicted to be of international spatial extent, long term duration, continuous and high reversibility. Therefore, the magnitude is considered to be low.

Sensitivity of the receptor

As detailed above as part of the alone assessment kittiwake are deemed to be of high vulnerability, low recoverability and high conservation value. The sensitivity of the receptor is therefore considered to be high.

Significance of the effect

Overall, the magnitude of the impact is deemed to be low and the sensitivity of the receptor is considered to be high. The effect will, therefore, be of **slight adverse significance**, which is not significant in EIA terms.

3.5.4.5 Conclusion

As presented above, the CIAs for these projects, including the Project, all concluded that there would be no potential for significant effects as a result of these projects when considered cumulatively.

Therefore, it is considered that the significance of effect for collision considering the additional information and cumulative projects would be unchanged from that presented in chapter 11: Offshore ornithology and would remain of slight adverse significance which is not significant in EIA terms.

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

3.6 Commercial Fisheries

3.6.1 Updated list of projects

The projects screened into the CIA for Commercial Fisheries are outlined in Table 3-18. The locations of screened in projects in relation to the Project are illustrated in Figure 3-6.

Table 3-18: Updated list of other projects considered within the CIA for Commercial Fisheries*.

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project/Plan	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with the Project
Offshore Wind Farms							
North Irish Sea Array (NISA)	Maritime Area Consent; Planning	16.2	18.1	<p> EIAR (2024) refers to the construction of an offshore wind farm of up to 500 MW, consisting of up to 49 turbines (Option 1) with a maximum height of 316 m (Option 1) and rotor diameter of up to 276 m and one Offshore substation platforms. </p> <p> EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required. The proposed export capacity is 700 MW ³¹ </p>	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction and operation phases to overlap with the Project.
Dublin Array	Maritime Area Consent; Planning	61.2	57	<p> Scoping report (2020) refers to the construction of Bray and Kish offshore wind farm of up to 900 MW, consisting of up to 61 turbines with a maximum height of </p>	Unknown Estimated 2027-2030 Construction is anticipated to	Unknown (Design life minimum 35 years)	Potential for construction and operation phases to overlap with Project.

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

³¹ <https://northirishsearraysid.ie/>

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project/Plan	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with the Project
				308 m and rotor diameter of up to 285 m and up to three offshore substation platforms. ³² EIAR (2025) refers to the construction of an offshore wind farm with an export capacity of 824 MW. The EIAR considers three design options with a maximum number of turbines of 50 and a maximum rotor diameter of 278 m. ³³	range from 18 to 30 months.	Estimated commencement in 2030	
Codling Wind Park	Maritime Area Consent; Planning	61.4	57.2	EIA Scoping report (2020) refers to the construction of an offshore wind farm of up to 1500 MW, consisting of up to 140 turbines with a maximum height of 320 m and rotor diameter of up to 288 m. The project will also contain up to five offshore substation platforms. ³⁴ EIAR (2024) refers to the construction of an offshore wind farm with the export capacity of 1300 MW. Two WTG Layout Options are proposed, with a maximum number of turbines of 75 and a maximum rotor diameter of 276. Three offshore substations are required. ³⁵	Estimated 2027-2030 Construction anticipated to range from three to four years.	Unknown (Design life minimum 35 years) Estimated commencement in 2030 25-year operational lifetime	Potential for construction and operation phases to overlap with the Project.

³² Project website: <https://dublinarray.com/project-information/key-facts/>: states between 39 and 50 turbines (total project capacity 824 MW) individual tip heights between approx. 270 m and 310 m.

³³ <https://dublinarray-marineplanning.ie/eiar/>

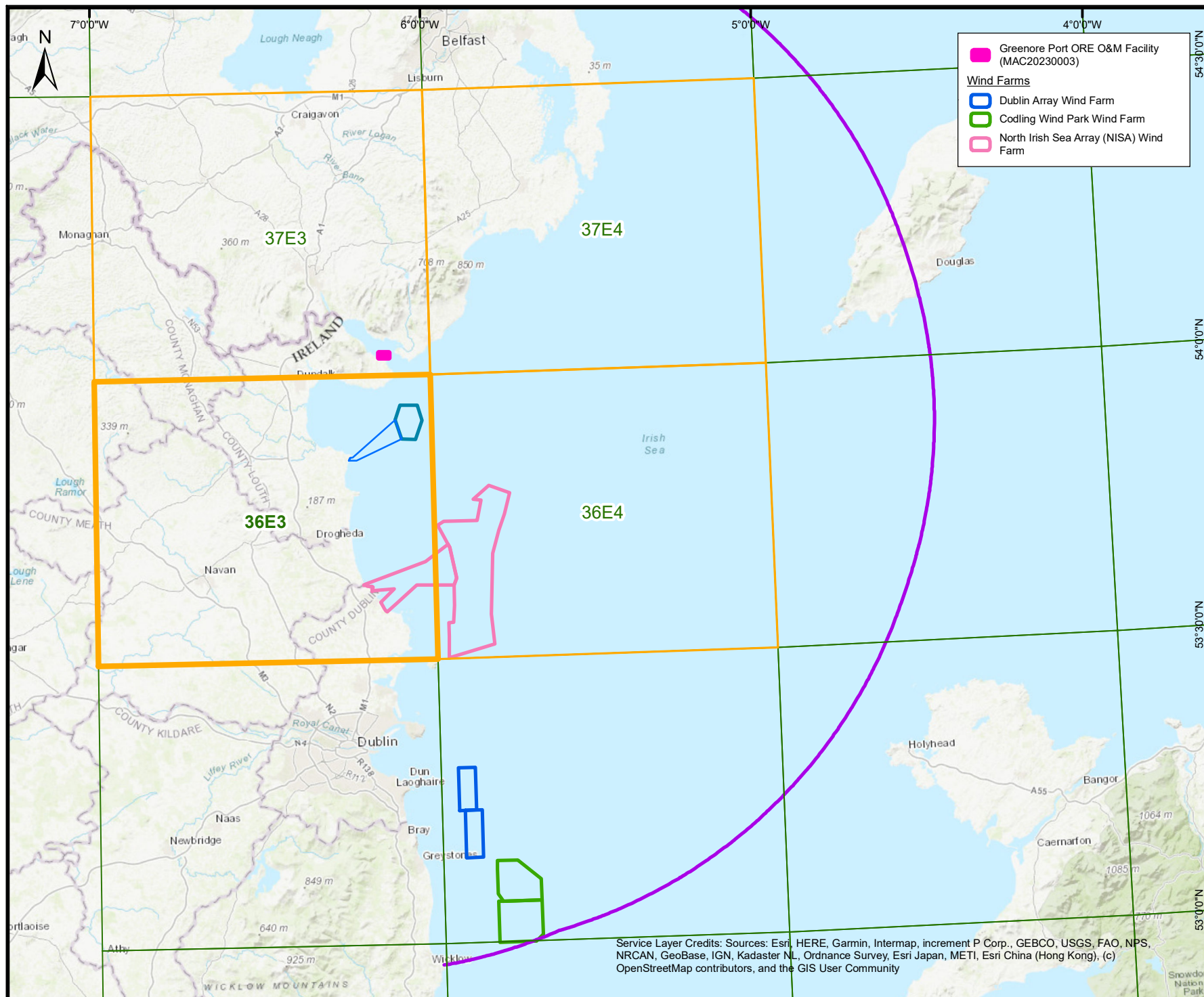
³⁴ Project website: <https://codlingwindpark.ie/the-project/>: states max energy output 1300 MW, 100 turbines, turbine tip height max 320 m.

³⁵ <https://codlingwindparkplanningapplication.ie/environmental-impact-assessment-report-eiar/>

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project/Plan	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with the Project
Greenore Port – ORE O&M Facility	Maritime Area Consent received and Planning consented	9.9	12.4	EIAR (2024) details the construction of an O&M facility consisting of three standalone buildings, nearshore work and supporting infrastructure. It will require a pontoon to accommodate Crew Transfer Vessels. Dredging within the nearshore and the construction of a new quay wall is also required. ³⁶	3 years estimated 2025 to 2028	60 years	Potential for construction and operation phases to overlap with the Project.

³⁶ EIAR: [15_2460294-eiar-vol ii eiar chapters-a6997e2a-0d55-4588-9a5c-3c2b62944766.pdf](#)

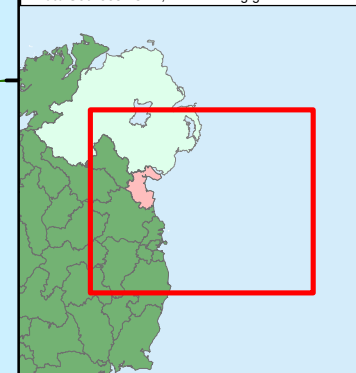


Legend

- Project Offshore Wind Farm Area
- Project Offshore Cable Corridor
- Commercial Fisheries Study Area
- Regional Commercial Fisheries Study Area
- ICES Statistical Rectangle
- Cumulative Commercial Fisheries Study Area

- Greenore Port ORE O&M Facility (MAC20230003)
- Wind Farms**
- Dublin Array Wind Farm
 - Codling Wind Park Wind Farm
 - North Irish Sea Array (NISA) Wind Farm

Data Sources: ICES, www.housing.gov.ie



Client



Project

Oriel Wind Farm Project

Title **Figure 3-6**
Other projects screened
in for cumulative assessment
for Commercial Fisheries



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Issue Details

Drawn By: MJ	Project No. MDR1520C
Checked By: MJ	File Ref:
Approved By: CC	MDR1520C_COF_E_1701_FINAL
Scale: 1:1,000,000@A4	Projection:
Date: 04/12/2025	ITM (IRENET95) Geographic Co-ordinates: ETRS89

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2. All levels are referred to Ordnance Datum, Malin Head.
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ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

3.6.2 Updated CIA

Table 3-19: Review of project updates that may affect cumulative impact assessment with the Project for Commercial Fisheries.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Commercial Fisheries (volume 2B, chapter 12 & volume 2B Addendum, chapter 12 Addendum)	<p>Displacement of fishing activity</p> <p>There is potential for cumulative reduction in access to or exclusion from established fishing grounds as a result of project activities associated with the Project and other projects that are under construction or development. These include the wind farms: NISA, Dublin Array and Codling Wind Park, as well as the Greenore Project.</p> <p>The NISA Project may result in displacement of fishing activity due to the construction and presence of wind turbine and offshore substation platform (OSP) foundations. Displacement of Irish demersal otter trawlers during construction was identified as a potential, localised impact during the construction phase. Displacement into grounds traditionally fished by potters was identified, however, the seabed targeted for nephrops (muddy sediment) is distinct from that where lobster and crab are targeted (hard, rocky substrate), thus lowering the likelihood for displacement into conflicting grounds (NISA, 2024).</p> <p>The offshore construction period of 30 months for the Dublin Array Project assumes commercial fishing will not take place with advisory passing distances of 500 m around the infrastructure under construction, and therefore displacement of fishing activity is a potential impact. The consequence of the impact upon the Irish Whelk fishery was identified as medium adverse, requiring gear relocation and displacement into alternate grounds. Impacts upon other fisheries such as potting and dredge was assessed as low adverse due to limited activity recorded within the vicinity of the proposed Dublin Array site (Kish Offshore Wind Farm Ltd., 2025).</p> <p>The Codling Wind Park was similarly assessed for displacement of fishing activity, with the magnitude of impact upon the whelk potting fishery identified as medium adverse due to the traditional fishing grounds extending across the entirety of the array site, totalling 126km² of overlap (Codling Wind Park, 2025). 14% of fishing grounds routinely targeted for whelk will be unavailable for fishing activity as a result of the Codling Wind Park construction. All other fisheries, including crab and lobster potting, static netting, scallop dredge and other commercial fleets were assessed, and the magnitude of impact was found to be at most, low adverse, due to limited activity within or surrounding the proposed array site for the Codling Wind Park.</p> <p>The proposed project boundaries for the NISA, Dublin Array, Codling Wind Park support active Irish potting fleets targeting whelk. Given the low level of whelk potting within the Project boundary, and that whelk was not identified as a commercially important species within the vicinity of the offshore wind farm area, this is not expected to raise the cumulative effect beyond that assessed for the Project alone. Additionally, Dublin Array and Codling Wind Park do not support established nephrops fishing grounds and therefore will not raise the cumulative effect of displacement upon these fisheries beyond that which is assessed for the Project alone. In addition to the reasoning outlined above, it is anticipated that fishing activities, particularly static gear fisheries such as potting, will continue within operational offshore wind farm array areas. Evidence from existing projects supports this expectation; the developer Ørsted has reported that commercial potting for species such as lobster occurs successfully within the operational wind farm Westernmost Rough (Ørsted (n.d.)). Therefore, we are not anticipating any changes to the conclusions of the cumulative impact assessment (CIA) as presented in the EIAR.</p> <p>The Greenore ORE Facility is a development involving the construction of operation and maintenance facilities to serve offshore wind farms. The development will comprise the following:</p> <ul style="list-style-type: none"> • Three standalone buildings including: warehouse (681 sqm), office space (322 sqm), plant storage (667 sqm); • Nearshore work involving harbour dredging, additional berths, a new quay wall; 	No change to the conclusions of the EIAR.

Oriel Wind Farm Project – Cumulative Impact Assessment Report

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
	<ul style="list-style-type: none">Additional supporting infrastructure. <p>As Greenore Port is privately owned, commercial fishing vessels do not land catch at Greenore. Additionally, there are no active fisheries in the surrounding area, therefore, there is no additional cumulative effect assessed for commercial fishing fleets with respect to the Oriel Wind Farm Project.</p> <p>The quantification of the above projects in relation to displacement of fishing activity does not change the conclusion as provided in the EIAR (2024). The cumulative impact is predicted be to of a local spatial extent, surrounding the proposed offshore wind farm area, and be temporary in nature, during the construction and operational and maintenance phases, thus the effect remains of slight adverse significance.</p>	

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

3.7 Shipping & Navigation

3.7.1 Updated list of projects

The projects screened into the CIA for Shipping and Navigation are outlined in Table 3-20. The locations of screened in projects in relation to the Project are illustrated in Figure 3-7.

Table 3-20: Updated list of other projects considered within the CIA for Shipping and Navigation*.

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Site investigation works							
Site Investigations off Co. Dublin (Mainstream Renewable Power Ltd – Ref No. FS007373)	Planning Withdrawn	4.2	0.8	Foreshore Licence application for site investigation works off County Dublin. Surveys include Geophysical, Geotechnical, Metocean and Ecological site investigations.	N/A	2022-2027 (subject to award of licence)	Potential to increase vessel movements within Cumulative Shipping and Navigation Study Area during construction phase. Potential to result in further displacement of vessels already affected by the Project.
Site Investigations for the proposed Lir Offshore Array, off Counties Louth, Meath and Dublin (Lir Offshore Array Ltd Ref No. FS007392).	Planning Withdrawn	15	8.1	The Foreshore Licence application is to undertake surveys and site investigations to inform development and project design for the proposed site. Surveys include geophysical, geotechnical, environmental and Metocean.	N/A	2023-2027 (subject to award of licence)	Potential to increase vessel movements within the Cumulative Shipping and Navigation Study Area. Potential to result in further displacement of vessels already affected by the Project.
Offshore Renewable Energy Projects							
North Irish Sea Array (NISA)	Maritime Area Consent; Planning	16.2	18.1	EIA Scoping Report (2021) refers to the construction of an offshore wind farm of up to 500 MW, consisting of 36 turbines with a maximum height of 320 m and rotor diameter of up to 290 m.	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential to increase vessel movements within the Cumulative Shipping and Navigation Study Area. Potential to result in further displacement of vessels

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

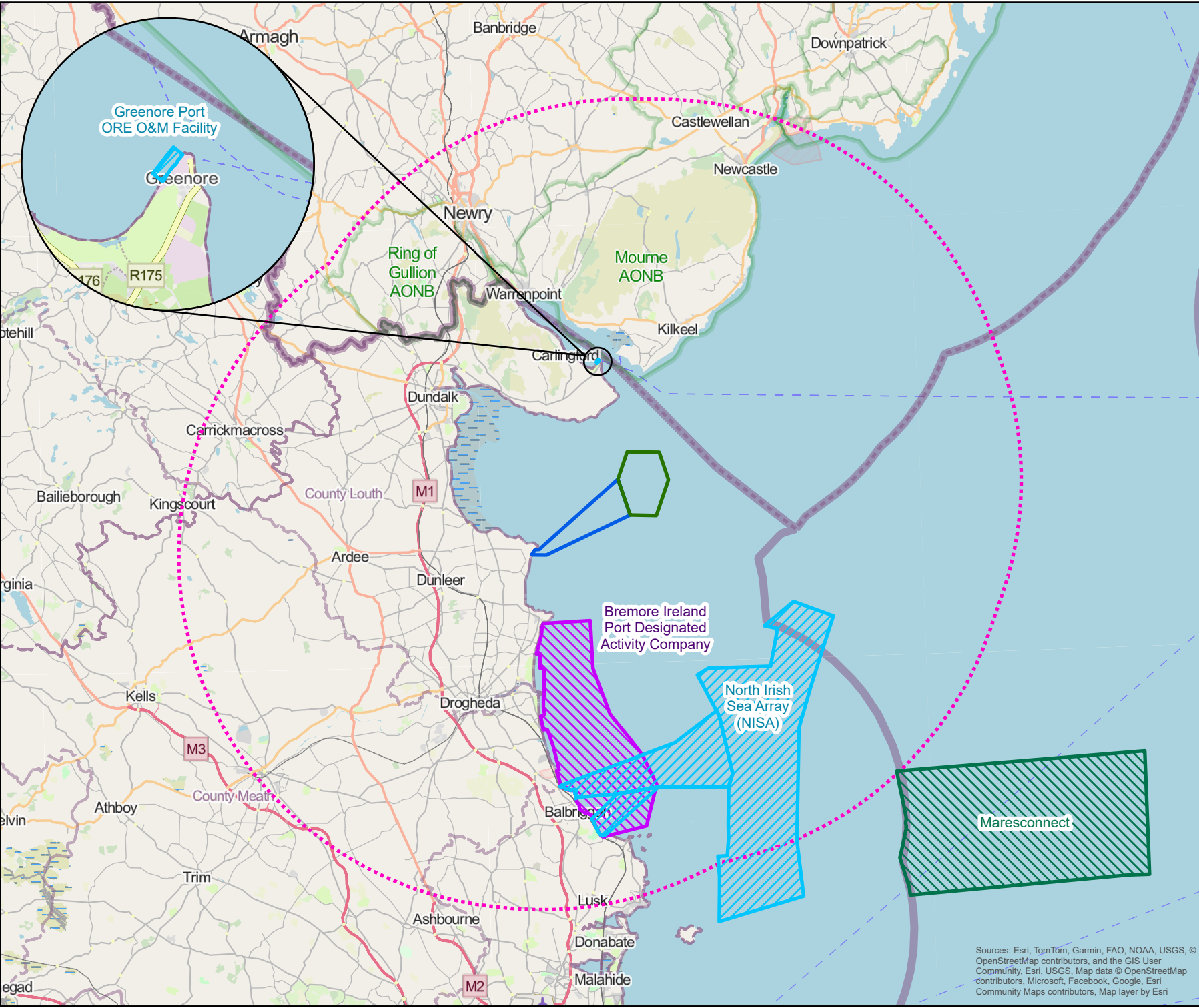
Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				Offshore substation platforms may be required ³⁷ . EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required.. The proposed export capacity is 700 MW ³⁸			already affected by the Project.
Greenore Port Project	MAC received and Planning consented	9.9	12.4	EIAR details ORE O&M Facility at Greenore Port as a support base for three offshore windfarms on the East Coast of Ireland. It will require a pontoon to accommodate Crew Transfer Vessels. Dredging within the nearshore and the construction of a new quay wall is also required.	3 years estimated 2025 to 2028	60 years	Potential to increase vessel movements within the Cumulative Shipping and Navigation Study Area which might increase the risk of collision, allision or grounding.
MaresConnect	MUL (Consented)	36.8	38.8	Site investigation surveys to assess various factors associated with the interconnector project – Dublin from 12 nautical mile (nm) limit to the EEZ.	Unknown	Licence term is 5 years	Potential to increase vessel movements within the Cumulative Shipping and Navigation Study Area which might increase the risk of collision, allision or grounding.
Bremore Ireland Port Designated Activity Company	MUL (Application)	11.9	7.2	Site investigations to inform the location and design of a proposed port infrastructure. Dublin and Meath	Unknown	Unknown	Potential to increase vessel movements within the Cumulative Shipping and Navigation Study Area which might increase the

³⁷ Project website <https://northirishsearrays.ie/> states that wind farm will consist of 35 to 46 turbines.

³⁸ <https://northirishsearraysid.ie/>

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
							risk of collision, allision or grounding.



Legend

Offshore Wind Farm Area

Offshore Cable Corridor

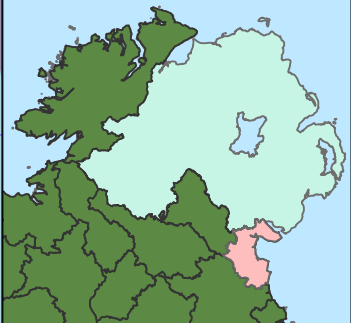
Cumulative Shipping and Navigation Study Area (20 nm)

MARA Maritime Area Consents - Determined

MARA Maritime Usage Licence - Determined

MARA Maritime Usage Licence - Undetermined

Data Source: OWL, MARA



Client
Oriel Wind Farm Limited

Project
Oriel Wind Farm Project

Title
**Figure 3-7:
Other projects screened in for
cumulative assessment for Shipping
and Navigation**

A TETRA TECH COMPANY

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Issue Details	
Drawn: NR	Project No. MDR1520c
Checked: CC	File Ref:
Approved: CC	MDR1520c-RPS-AP-XX-D-Z-0040.A1.C01
Scale: 1:530,000 (A4)	Projection:
Date: 11/12/2025	ITM (IRENET95) Geographic Co-ordinates: ETRS89

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ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

3.7.2 Updated CIA

Table 3-21: Review of project updates that may affect cumulative impact assessment with the Project for Shipping and Navigation.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Shipping and Navigation (volume 2B, chapter 13 & volume 2B Addendum, chapter 13 Addendum)	<p>Displacement of vessels from the offshore wind farm area, may lead to vessel-to-vessel collision; and Presence of Project devices and cables underwater may lead to snagging and damage to anchors and/or fishing gear</p> <p>The new and updated proposed projects have the potential to increase vessel movements within the Cumulative Shipping and Navigation Study Area, and to result in further displacement of vessels already affected by the Project, potentially leading to an increased collision and/or allision risk.</p> <p>These projects include ports developments at Greenore and Bremore and offshore developments at NISA and MaresConnect. The Greenore Port Project, located approximately 11 km from the Project (offshore wind farm area), involves the development of Operation and Maintenance (O&M) facilities to serve as a support base for further offshore wind arrays in the Irish Sea and, therefore, has the potential to see an increase commercial traffic through the Study Area. Similarly, Bremore Island Port, over 29 km south of the Project, are planning to undertake site investigations throughout a large area south of the Project (a small part of which will intersect the Shipping and Navigation Study Area), to inform the location and design of a proposed port infrastructure. Additional site investigations are proposed to assess factors associated with the MaresConnect Ltd Interconnector, however these will be occurring 37 km from the Project. Nevertheless, these projects would result in increased vessel movements within the cumulative Shipping and Navigation Study Area. Finally, the NISA project is 16.2 km from the Project and would further result in increased vessel activity and further disruption to shipping routes.</p> <ul style="list-style-type: none"> • The increase in traffic associated with these projects could lead to an increased collision risk when vessels are entering/ exiting the construction/O&M ports and when they are enroute to/ from the Array Area. However, existing mitigation such as management procedures for Project vessels when at the offshore wind farm area and in port will be detailed within the Navigation Safety Management System (NSMS) and will mitigate this risk. Promulgation of information through NtMs will also enable third party vessels to avoid the area if necessary if and when there will be high numbers of construction and/or major maintenance vessel or survey vessel transits. While avoidance of these activities may be required to reduce collision risk, the proposed site investigation surveys and any other activities are anticipated to be occasional and short-term in nature and, therefore, it is expected to be a temporary impact. Given the low baseline traffic density, and these mitigation measures, this hazard is considered to have a low likelihood and is therefore considered to be a low risk within the NRA (Volume 2B, appendix 13-1: Navigation Risk Assessment). The cumulative effects are therefore anticipated to remain of slight adverse significance as a result of the new and updated proposed projects. • The increase in traffic associated with the port developments and operation of NISA could also lead to an increased risk of allision with turbines due to potential deviations from typical routes close to the offshore wind farms. However, existing mitigation such as aids to navigation, promulgation through notices to mariners and charting will make the offshore wind farms clearly visible to passing vessels. Further management procedures for Project vessels operating at the offshore wind farm will be detailed within the NSMS and will mitigate this risk by managing vessel safety and reducing the risk of in-field allisions. Promulgation of information through NtMs will also enable 	No change to the conclusions of the EIAR.

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Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
	<p>third party vessels to avoid the area if necessary and passage plan around the Array Area(s). Given the low baseline traffic density, and these mitigation measures, this hazard is considered to have a low likelihood and is therefore considered to be a low risk within the NRA (volume 2B, Appendix 13-1). This risk is assessed to be even lower when considering that guard vessels, marker buoys and/or other Aids to Navigation will be deployed on a device-specific basis to reduce the risk of vessel contact. The cumulative effects are therefore anticipated to remain of slight adverse significance as a result of the new and updated proposed projects.</p> <ul style="list-style-type: none"> It is not anticipated that the new and updated proposed projects will have an effect on the risk of snagging above those already assessed within the EIAR. The cumulative effects are therefore anticipated to remain of slight adverse significance as a result of the new and updated proposed projects. <p>Given the use of designed in mitigation measures already committed to, it is considered that any additional impacts as a result of the new and updated proposed projects are sufficiently mitigated and no additional mitigation measures are required.</p>	

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3.8 Infrastructure, Marine Recreation & Other Users

3.8.1 Updated list of projects

The projects screened into the CIA for Infrastructure, Marine Recreation & Other Users are outlined in Table 3-22. The locations of screened in projects in relation to the Project are illustrated in Figure 3-8.

Table 3-22: Updated list of other projects considered within the CIA for Infrastructure, Marine Recreation and Other Users*.

Project	Status	Approximate Distance from offshore wind farm area (km)	Approximate Distance from Offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Offshore Wind Farms							
Site Investigations off Co. Dublin (Mainstream Renewable Power Ltd Ref No. FS007373)	Planning Withdrawn	4.2	0.8	Foreshore Licence application for site investigation works off County Dublin. Surveys include Geophysical, Geotechnical Metocean and Ecological site investigations.	N/A	2022-2027 (subject to award of licence)	The Project construction phase is likely to overlap with the surveys and site investigation activities. The survey vessels may have advisory clearance distances in place during their investigations, which may result in further displacement of receptors already affected by the Project.
Site Investigations for the proposed Lir Offshore Array, off Counties Louth, Meath and Dublin (Lir Offshore Array Ltd Ref No. FS007392).	Planning Withdrawn	45	8.4	The Foreshore Licence application is to undertake surveys and site investigations to inform development and project design for the proposed site. Surveys include geophysical, geotechnical, environmental and Metocean.	N/A	2023-2027 (subject to award of licence)	
Offshore Wind Farms							
North Irish Sea Array (NISA)	Maritime Area Consent; Planning	16.2	18.1	EIA Scoping Report (2021) refers to the construction of an offshore wind farm of up to 500 MW, consisting of 36 turbines with a maximum height of 320 m and rotor diameter of up to 290 m.	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	The Project construction phase is likely to overlap with the construction, surveys and site investigation activities.

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

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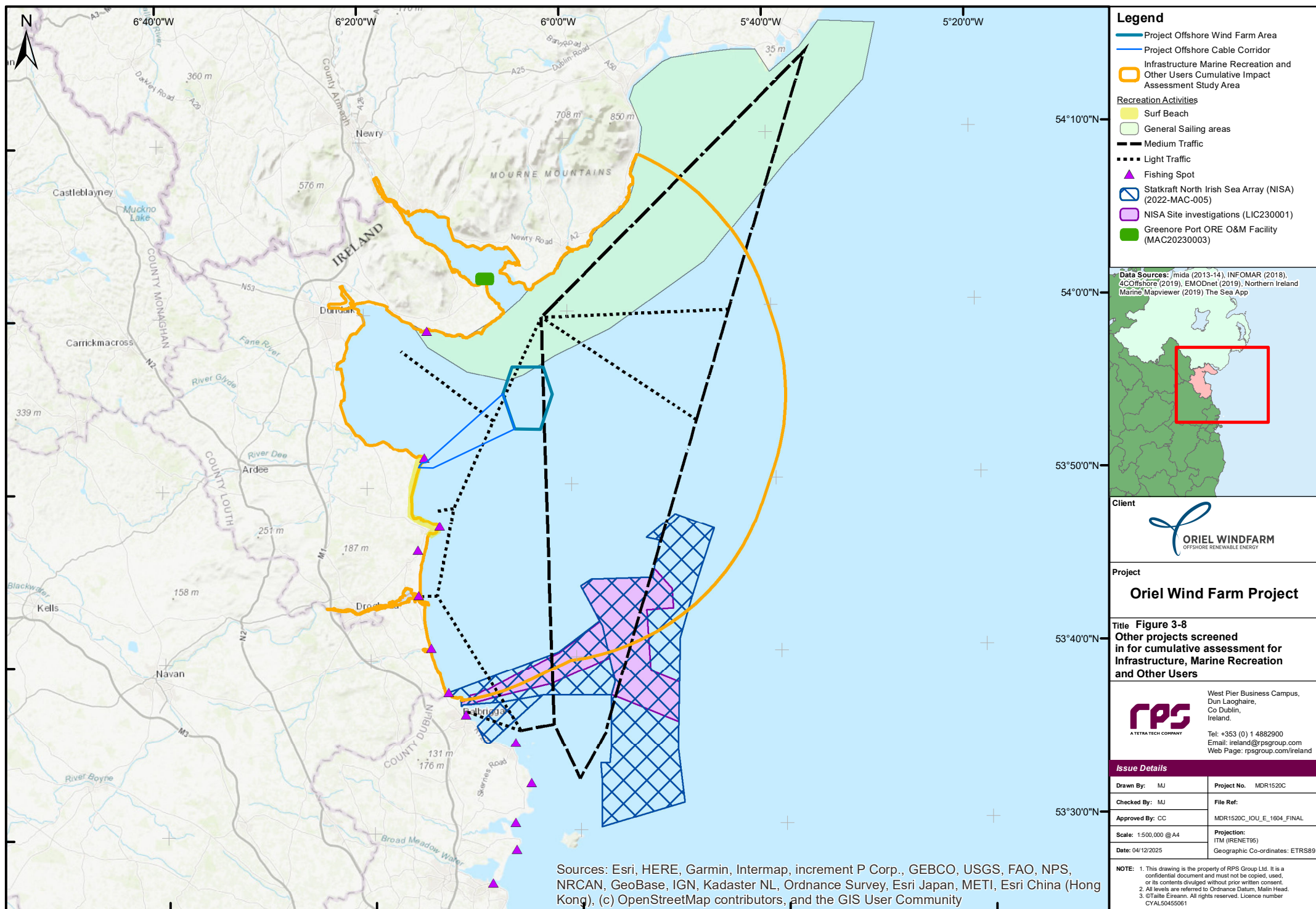
Project	Status	Approximate Distance from offshore wind farm area (km)	Approximate Distance from Offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				Offshore substation platforms may be required ³⁹ . EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required. The proposed export capacity is 700 MW ⁴⁰			
Greenore Port	MAC received and Planning consented	9.9	12.4	EIAR details ORE O&M Facility at Greenore Port as a support base for three offshore windfarms on the East Coast of Ireland. It will require a pontoon to accommodate Crew Transfer Vessels. Dredging within the nearshore and the construction of a new quay wall is also required.	3 years estimated 2025 to 2028	60 years	The Project construction phase is likely to overlap with the construction, surveys and site investigation activities.
Site Investigations							
NISA Site Investigations	MAC received	16.9	18.1	Site investigation activities to inform the development of the North Irish Sea Array (NISA) offshore windfarm (OWF) and export cable, off the coasts of counties Dublin, Meath and Louth. These site investigations include hydrological and geophysical, geotechnical, metocean,	-	Licence term for site investigations is 7 years from 2024 to 2031	The Project construction phase is likely to overlap with the construction, surveys and site investigation activities. The construction and survey vessels may have advisory clearance distances in place during their investigations, which may result in further displacement of receptors

³⁹ Project website <https://northirishseaaarray.ie/> states that wind farm will consist of 35 to 46 turbines.

⁴⁰ <https://northirishseaaarraysid.ie/>

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Project	Status	Approximate Distance from offshore wind farm area (km)	Approximate Distance from Offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				ecological, archaeological and water quality surveys.			already affected by the Project.



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3.8.2 Updated CIA

Table 3-23: Review of project updates that may affect cumulative impact assessment with the Project for Infrastructure, Marine Recreation and Other Users.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Infrastructure, Marine Recreation and Other Users (volume 2B, chapter 16)	<p>Projects screened into the updated assessment within the Infrastructure, Marine Recreation and Other Users Study Area include the construction of the North Irish Sea Array (NISA) wind farm and the Greenore Port Project ORE Facility – located 10km from the Oriel Application Boundary.</p> <p>These two projects are being reviewed for further cumulative effects due to the availability of additional, detailed project information, because the project has now been consented, or because it is a new project not included in the Cumulative Impact Assessment in Chapter 16 Infrastructure, Marine Recreation and Other Users of the EIAR.</p> <p>Impacts assessed include:</p> <p>Displacement of recreational sailing and motor cruising, recreational fishing (boat angling) and other recreational activities (diving vessels), resulting in a loss of recreational resource; and</p> <p>Displacement of recreational fishing (shore angling) and other recreational activities (kayaking, kite surfing, surfing and windsurfing, sea swimming and beach users) along the nearshore and intertidal section of the offshore cable corridor resulting in a loss of recreational resource.</p> <p>The NISA Offshore Wind Farm identified low to negligible impacts upon recreational fishing/angling and recreational sailing due to the limited spatial and temporal extent of displacement. The impact upon recreational dive sites as a result of increased turbidity or suspended sediment concentrations was found to be medium, and multiple alternative dive sites were highlighted for use during the construction phase. Overall, the impacts highlighted are unlikely to extend beyond that of the Oriel Project alone, and therefore there is no change to the cumulative assessment.</p> <p>The Greenore ORE Facility is a development involving the construction of operation and maintenance facilities to serve offshore wind array sites. The development will comprise the following:</p> <ul style="list-style-type: none"> • Three standalone buildings including: warehouse (681 sqm), office space (322 sqm), plant storage (667 sqm); • Nearshore work involving harbour dredging, additional berths, a new quay wall; and • Additional supporting infrastructure. <p>There is an identified recreational fishing spot at Greenore Point as well as a non-wreck dive site in close proximity to the Greenore ORE development as illustrated in Figure 16-2 and Figure 16-3 of chapter 16: Infrastructure, Marine Recreation and Other users (EIAR volume 2B). It is proposed that the cumulative effect of displacement from these sites will be intermittent during the course of construction, however, the Greenore EIAR identifies no loss of land, rights of way or loss of nearshore access as a result of the proposed development (Greenore Port Unlimited Company, 2024), therefore no cumulative impact is predicted.</p> <p>Overall, the cumulative impact of these projects will be at a very local spatial extent, and short-term or temporary in nature. Within the context of other available recreational space, the overall significance of the effect remains of slight adverse significance.</p>	No change to the conclusions of the EIAR.

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3.9 Climate

3.9.1 Updated list of projects

The projects screened into the CIA for Climate are outlined in Table 3-24.

Table 3-24: Updated list of other projects considered within the CIA for Climate*.

Project	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project/Plan	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
North Irish Sea Array (NISA)	Maritime Area Consent; Planning	16.2	18.1	EIA Scoping Report (2021) refers to the construction of an offshore wind farm of up to 500 MW, consisting of 36 turbines with a maximum height of 320 m and rotor diameter of up to 290 m. Offshore substation platforms may be required.⁴⁴ EIAR (2024) details two Project Options consisting of a windfarm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required. The proposed export capacity is 700 MW.⁴²	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	This project has the potential to indirectly reduce GHG emissions and therefore has potential for positive impacts on climate within the Climate Study Area.
Dublin Array	Maritime Area Consent Planning	61.2	56.9	Scoping report (2020) refers to the construction of Bray and Kish offshore wind farm of up to 900 MW, consisting of up to 61 turbines with a maximum height of 308 m and rotor diameter of up to 285 m	Unknown Estimated 2027-2030 Construction is anticipated to range from 18 to 30 months.	Unknown (Design life minimum 35 years) Estimated commencement in 2030	This project has the potential to indirectly reduce GHG emissions and therefore has potential for positive impacts on climate within the Climate Study Area.

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

⁴⁴ ~~Project website <https://northirishsearray.ie/> states that wind farm will consist of 35 to 46 turbines.~~

⁴² <https://northirishsearraysid.ie/>

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Project	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project/Plan	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				and up to three offshore substation platforms. ⁴³ EIAR (2025) refers to the construction of an offshore wind farm with an export capacity of 824 MW. The EIAR considers three design options with a maximum number of turbines of 50 and a maximum rotor diameter of 278 m. ⁴⁴			
Codling Wind Park	Maritime Area Consent Planning	61.4	57.1	EIA Scoping report (2020) refers to the construction of an offshore wind farm of up to 1500 MW, consisting of up to 140 turbines with a maximum height of 320 m and rotor diameter of up to 288 m. The project will also contain up to five offshore substation platforms.⁴⁵ EIAR (2024) refers to the construction of an offshore wind farm with the export capacity of 1300 MW. Two WTG Layout Options are proposed, with a maximum number of turbines of 75 and a maximum rotor diameter of 276. Three offshore substations are required. ⁴⁶	Unknown Estimated 2027-2030 Construction anticipated to range from three to four years.	Unknown (Design life minimum 35 years) Estimated commencement in 2030 25-year operational lifetime	This project has the potential to indirectly reduce GHG emissions and therefore has potential for positive impacts on climate within the Climate Study Area.

⁴³ Project website: <https://dublinarray.com/project-information/key-facts/>: states between 39 and 50 turbines (total project capacity 824 MW) individual tip heights between approx. 270 m and 310 m.

⁴⁴ <https://dublinarray-marineplanning.ie/eiar/>

⁴⁵ Project website: <https://codlingwindpark.ie/the-project/>: states max energy output 1300 MW, 100 turbines, turbine tip height max 320 m.

⁴⁶ <https://codlingwindparkplanningapplication.ie/environmental-impact-assessment-report-eiar/>

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Project	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project/Plan	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Arklow Bank Wind Park Phase 1	Operational Planning submitted for Decommissioning	107.1	104.6	Phase 1 was the first operational offshore wind farm in Ireland and consists of seven wind turbines with a capacity of 25.2 MW.	–	2003 – ongoing	This project indirectly reduces GHG emissions and therefore has potential for positive impacts on climate within the Climate Study Area.
Arklow Bank Wind Park Phase 2	Maritime Area Consent Planning	107.1	104.6	EIA Scoping Report: The project will include between 37 and 56 turbines and up to two Offshore Substation Platforms (OSP) and foundation substructures. The area in which the proposed wind turbines, inter-array cables and OSP(s) will be located on Arklow Bank covers an area of seabed approximately 64km².⁴⁷ EIA (2024) refers to an offshore wind farm with an export capacity of 800 MW. Two Project Design Options are proposed with a maximum number of turbines of 56 and maximum rotor diameter of 250 m. Two offshore substations are required.⁴⁸	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	This project has the potential to indirectly reduce GHG emissions and therefore has potential for positive impacts on climate within the Climate Study Area.
Sceirde Rocks Windfarm	Maritime Area Consent Withdrawn	250.3	248.4	Project website:⁴⁹ The Sceirde Rocks Windfarm is a proposed offshore wind project, located off the Connemara coast in County Galway. It is expected to generate 450 Megawatts	Unknown	Unknown (Design life minimum 35 years)	This project has the potential to indirectly reduce GHG emissions and therefore has potential for positive impacts on climate within the Climate Study Area.

⁴⁷ Project website <https://www.sse renewables.com/>: states between 36 and 60 turbines (up to 800MW) along with one to two OSS and foundation substructures, a network of inter-array cabling and two offshore export cables.

⁴⁸ <https://www.arklowbank2offshoreplanning.ie/eiar/>

⁴⁹ <https://www.sceirderocks windfarm.com/project-info/>.

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3.9.2 Updated CIA

Table 3-25: Review of project updates that may affect cumulative impact assessment with the Project for Climate.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Climate (volume 2C, chapter 17)	<p>The renewable energy wind projects outlined in Table 3-24, such as the North Irish Sea Array, the Arklow Bank Wind Park, Dublin Array and Codling Wind park, have the potential to indirectly reduce GHG emissions by delivering clean energy and are therefore considered net positive in terms of their Climate impacts.</p> <p>There will be direct GHG emissions due to the construction and decommissioning phases, but these will be offset by the GHG reductions achieved through the delivery of clean renewable energy of these projects and the subsequent decarbonisation of the grid. Climate vulnerability is also assessed for these onshore and offshore projects; decarbonisation of the grid allows for greater energy independence and therefore climate resilience. Through the decarbonisation of the electricity grid, these projects have potential for long term positive impacts on both climate, and air quality within the Climate Study Area.</p> <p>The EIARs for each of the Phase 1 projects included an assessment on climate. The assessment considered the effects on climate and concluded that the 49 turbine North Irish Sea Array (NISA), the 56 turbine Arklow array, the 50 turbine Dublin Array, and the 75 turbine Codling Array are considered net positive in terms of Climate impacts. It was also noted that the Sceirde Rocks project is considered withdrawn. All these projects have the potential to indirectly reduce GHG emissions by delivering clean renewable energy and are therefore considered net positive in terms of their Climate and Air Quality impacts. RPS have examined these assessments and can conclude that the overall cumulative effects from the Phase 1 Projects do not change the conclusion of the Project EIAR (2024).</p>	No change to the conclusions of the EIAR.

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3.10 Seascape, Landscape and Visual Amenity

3.10.1 Updated list of projects

The projects screened into the CIA for Benthic Subtidal and Intertidal Ecology are outlined in Table 3-26. The locations of screened in projects in relation to the Project are illustrated in Figure 27A-11a in appendix 27-1 Addendum: Seascape, Landscape and Visual Amenity – Accompanying Graphics (EIAR volume 2C Addendum).

Table 3-26: Updated list of other projects considered within the CIA for Seascape, Landscape and Visual Amenity*.

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Offshore Wind Farms							
North Irish Sea Array (NISA)	Maritime Area Consent; Planning	16.2	18.1	EIA Scoping Report (2021) refers to the construction of an offshore wind farm of up to 500 MW, consisting of 36 turbines with a maximum height of 320 m and rotor diameter of up to 290 m. Offshore substation platforms may be required. EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required.. The proposed export capacity is 700 MW ⁵⁰	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Screened into cumulative assessment as project falls within SLVIA Study Area
Site investigations							
Mainstream Renewable Power Ltd (Ref No. FS007373)	Planning Withdrawn	4.2	0.7	Foreshore Licence application for site investigation works off County Dublin. Surveys include Geophysical, Geotechnical, Meteorological and Ecological site investigations.	N/A	Unknown (subject to award of licence).	Screened into cumulative assessment as project falls within SLVIA Study Area

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough.

⁵⁰ <https://northirishsearraysid.ie/>

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Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Lir Offshore Array (Ref No. FS007392)	Planning Withdrawn	15.60	7.70	Site Investigation surveys for the proposed Lir Offshore Array, off Counties Louth, Meath and Dublin	N/A	Unknown (subject to award of licence).	Screened into cumulative assessment as project falls within SLVIA Study Area
MaresConnect Electrical Interconnector (Ref No. FS007635)	Planning Consented	24.62	23.27	Site investigation surveys for the proposed MaresConnect electrical interconnector between Rol and Wales.	N/A	Unknown (subject to award of licence). Term of licence: 04/07/2024 – 04/07/2029	Screened into cumulative assessment as project falls within SLVIA Study Area
North Irish Sea Array Site Investigations (Ref No. LIC230001)	Consented	16.2	18.1	Site investigation activities to inform the development of the North Irish Sea Array (NISA) offshore windfarm (OWF) and export cable, off the coasts of counties Dublin, Meath and Louth. These site investigations include hydrological and geophysical, geotechnical, metocean, ecological, archaeological and water quality surveys.	-	Licence term for site investigations is 7 years from 2024 to 2031	Screened into cumulative assessment as project falls within SLVIA Study Area
Dredging / Dumping at Sea							
Drogheda Port Company Reference Number: FS007028	Consented	25.27	16.06	Drogheda Port Company Dredging of River Boyne	2021	2029	Screened into cumulative assessment as project falls within SLVIA Study Area
Onshore Wind Turbines							
Colon	Operational	32.7	21.3	Operational onshore turbine comprised 1 turbine to 126m tip height	Unknown	Unknown	Screened into cumulative assessment as project has potential for visual interaction during operational and maintenance phase of the Project.

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Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Dunmore	Operational	30.8	19.5	Operational onshore windfarm comprised 4 turbines to 78m tip height	Unknown	Unknown	Screened into cumulative assessment as project has potential for visual interaction during operational and maintenance phase o the Project.
Dundalk IT	Operational	20.5	17.0	Operational onshore turbine comprised 1 turbine to 86m tip height	Unknown	Unknown	Screened into cumulative assessment as project has potential for visual interaction during operational and maintenance phase o the Project.

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3.10.2 Updated CIA

Table 3-27: Review of project updates that may affect cumulative impact assessment with the Project for Seascape, Landscape and Visual Amenity.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Seascape, Landscape and Visual Amenity (volume 2C, chapter 27 & volume 2C Addendum, chapter 27 Addendum)	<p>Potential Cumulative impacts with other offshore development</p> <p>A review of cumulative projects in relation to the offshore elements of the Project has been undertaken. The other projects screened in for cumulative assessment are illustrated in Figure 27A-11a in appendix 27-1 Addendum: Seascape, Landscape and Visual Amenity (EIAR volume 2C Addendum) It is noted that the status of the proposed NISA Offshore Wind Farm has been changed, including associated site investigations. The cumulative assessment contained in chapter 27: Seascape, Landscape and Visual Amenity (EIAR volume 2C) and the accompanying Addendum update has considered and assessed the potential for cumulative Seascape, Landscape and Visual impacts arising because of the Project in combination with the offshore elements of the NISA Offshore Wind Farm. Following a review of the information submitted for planning, it is considered that the assessed significance of cumulative visual impact as reported remains unchanged.</p> <p>Potential Cumulative impacts on Boyne Valley</p> <p>A review of the potential for cumulative landscape and visual impact on the Boyne Vally in relation to the Project being read in combination with other consented or planned projects has been undertaken. Negligible indirect cumulative landscape effects have been identified, though extent of such effects is limited as the Project is not readily visible or perceived in eastern views from the Boyne Valley area. It is noted that the recently approved N2 (Slane Bypass) and associated N51 upgrade works lies on the western edge of the Boyne Valley and would be visible successively with viewers having to turn 180 degrees in order to view either project on its own. Due to intervening topographical changes, attenuation by distance and intervening vegetation cover cumulative impacts arising on the Boyne Valley are not considered to be significant. The potential for cumulative visual impacts on the Boyne Valley arising because of the Project being read in combination with other consented or proposed development (including the NISA Offshore Wind Farm project) has been assessed as being equivalent to a no-change scenario as the Project is not readily perceived in views due to attenuation by distance, screening by topographical changes and screening by existing vegetation cover.</p>	No change to the conclusions of the EIAR.

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3.11 Bats in the Marine Environment

3.11.1 Updated list of projects

The projects screened into the CIA for Bats in the Marine Environment are outlined in Table 3-28. The updated assessment includes Codling Wind Park only (please see Figure 3-5 for the location of this project).

Table 3-28: Updated list of other projects considered within the CIA for Bats in the Marine Environment*.

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
North Irish Sea Array (NISA) Offshore Wind Farm	Maritime Area Consent; Planning	16.2	18.1	<p>EIAR (2024) refers to the construction of an offshore wind farm of up to 500 MW, consisting of up to 49 turbines (Option 1) with a maximum height of 316 m (Option 1) and rotor diameter of up to 276 m and one Offshore substation platforms.</p> <p>EIAR (2024) details two Project options consisting of a wind farm with a maximum of 49 turbines and a maximum rotor diameter of 276m. One offshore substation is required. The proposed export capacity is 700 MW.⁵¹</p>	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction, operation and maintenance and decommissioning phases to overlap with the Project.
Dublin Array Offshore Wind Farm	Maritime Area Consent; Planning	61.2	57	<p>Scoping report (2020) refers to the construction of Bray and Kish offshore wind farm of up to 900 MW, consisting of up to 61 turbines with a maximum height of 308 m and rotor diameter of up to 285</p>	Unknown Estimated 2027-2030 Construction is anticipated to range from 18 to 30 months.	Unknown (Design life minimum 35 years) Estimated commencement in 2030	Potential for construction, operation and maintenance and decommissioning phases to overlap with the Project.

* Note: Changes to project list presented in EIAR (2024) are shown in blue and strikethrough. Regarding Bats in the Marine Environment, significant effects assessed in the EIARs of the other Phase 1 projects (except Codling Wind Park) do not overlap with those assessed in the Project's EIAR and therefore, these projects were screened out from further assessment. Other projects did not assess impacts on bats in the marine environment and so an updated cumulative assessment was not undertaken. See Annex 1A for further detail.

⁵¹ <https://northirishsearraysid.ie/>

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Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				m and up to three offshore substation platforms. ⁵² EIAR (2025) refers to the construction of an offshore wind farm with an export capacity of 824 MW. The EIAR considers three design options with a maximum number of turbines of 50 and a maximum rotor diameter of 278 m.⁵³			
Codling Wind Park	Maritime Area Consent; Planning	61.4	57.2	EIA Scoping report (2020) refers to the construction of an offshore wind farm of up to 1500 MW, consisting of up to 140 turbines with a maximum height of 320 m and rotor diameter of up to 288 m. The project will also contain up to five offshore substation platforms. ⁵⁴ EIAR (2024) refers to the construction of an offshore wind farm with the export capacity of 1300 MW. Two WTG Layout Options are proposed, with a maximum number of turbines of 75 and a maximum rotor diameter of 276. Three offshore substations are required. ⁵⁵	Unknown Estimated 2027-2030 Construction anticipated to range from three to four years.	Unknown (Design life minimum 35 years) Estimated commencement in 2030 25-year operational lifetime	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Arklow Bank Wind Farm Phase 2	Maritime Area Consent; Planning	107.1	104.7	EIA Scoping Report: The project will include between 37 and 56 turbines and up to two Offshore Substation Platforms (OSP) and foundation substructures. The area in which the proposed wind turbines, inter-array cables and OSP(s)	Unknown Estimated 2027-2030	Unknown (Design life minimum 35 years)	Potential for overlap with construction, operation and maintenance and decommissioning phases.

⁵² Project website: <https://dublinarray.com/project-information/key-facts/>: states between 39 and 50 turbines (total project capacity 824 MW) individual tip heights between approx. 270 m and 310 m.

⁵³ <https://dublinarray-marineplanning.ie/eiar/>

⁵⁴ Project website: <https://codlingwindpark.ie/the-project/>: states max energy output 1300 MW, 100 turbines, turbine tip height max 320 m.

⁵⁵ <https://codlingwindparkplanningapplication.ie/environmental-impact-assessment-report-eiar/>

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
				will be located on Arklow Bank covers an area of seabed approximately 64km ² . ⁵⁶ EIAR (2024) refers to an offshore wind farm with an export capacity of 800 MW. Two Project Design Options are proposed with a maximum number of turbines of 56 and maximum rotor diameter of 250 m. Two offshore substations are required. ⁵⁷		Estimated commencement in 2030	
Morgan Offshore Wind Farm – Generation Assets	Consented (not yet constructed)	119.5	124	PEIR indicates up to 107 wind Turbines Up to 96 wind turbines. 1,500MW capacity.	Unkonwn 2026 to 2029	Unkonwn 2030 to 2065	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Arklow Bank Wind Farm Phase 1	Operational; Application to decommission	120.2	117.5	Seven 3.6 MW turbines. Hub height 73.5m. Rotor diameter 124m.	2002 to 2003	2004 to 2028	Potential for overlap with operation and maintenance phase.
Mona Offshore Wind Farm	Consented (not yet constructed)	127.1	131.4	PEIR indicates up to 107 wind Turbines Up to 96 wind turbines. 1,500MW capacity.	Unkonwn 2026 to 2029	Unkonwn 2030 to 2065	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Walney Extension 3 Offshore Wind Farm	Operational	139.9	144.6	40 8.25MW turbines. Hub height 113m. Rotor diameter 164m	2017	2018 to 2039	Potential for overlap with operation and maintenance phase.
Awel y Môr Offshore Wind Farm	Consented (not yet constructed)	142.4	145.2	Up to 50 turbines. Rotor diameter up to 306m and a minimum of 11.5MW per turbine.	2026 to 2029 2030	2030 to 2065 2055	Potential for overlap with construction, operation and maintenance and

⁵⁶ Project website <https://www.sserenewables.com/>: states between 36 and 60 turbines (up to 800MW) along with one to two OSS and foundation substructures, a network of inter-array cabling and two offshore export cables.

⁵⁷ <https://www.arklowbank2offshoreplanning.ie/eiar/>

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
Up to 100 MW (48 to 91 wind turbines)							decommissioning phases.
Walney Extension 4 Offshore Wind Farm	Operational	146	150.6	47 7MW turbines. Hub height 111m. Rotor diameter 154m	2017	2018 to 2039	Potential for overlap with operation and maintenance phase.
Morecambe Offshore Wind Farm – Generation Assets	Planning—PIER submitted Consented (not yet constructed)	151.3	155.2	PEIR report indicates up to 40 wind turbines. 480MW capacity.	Unknown 2026 to 2028	2 Unknown 030 – 2065	Potential for overlap with construction, operation and maintenance and decommissioning phases.
Walney 2 Offshore Wind Farm	Operational	155.8	160.5	51 3.6MW turbines. Hub height 84m. Rotor diameter 107m.	2011	2012 to 2032	Potential for overlap with operation and maintenance phase.
Walney 1 Offshore Wind Farm	Operational	162.5	166.7	51 3.6MW turbines. Hub height 84m. Rotor diameter 107m.	2010	2010 to 2032	Potential for overlap with operation and maintenance phase.
West of Duddon Sands Offshore Wind Farm	Operational	162.3	166.7	108 3.6MW turbines. Hub height 90m. Rotor diameter 120m.	2013 to 2014	2014 to 2033	Potential for overlap with operation and maintenance phase.
Gwynt y Mor Offshore Wind Farm	Operational	163.4	166.3	160 3.6MW turbines. Hub height 98m. Rotor diameter 107m.	2012	2015 to 2032	Potential for overlap with operation and maintenance phase.
Rhyl Flats Offshore Wind Farm	Operational	165.6	168.3	25 3.6MW turbines. Hub height 80m. Rotor diameter 107m.	2007	2009 to 2027	Potential for overlap with operation and maintenance and decommissioning phases.
Ormonde Offshore Wind Farm	Operational	168.6	173.2	30 5MW turbines. Hub Height 100m. Rotor diameter 126m.	2010	2012 to 2036	Potential for overlap with operation and maintenance phase.
Robin Rigg Offshore Wind Farm	Operational	173.3	178.5	58 3MW turbines. Hub height 80m Rotor diameter 90m.	2009	2010 to 2030	Potential for overlap with operation and maintenance phase.

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

Project/Plan	Status	Distance from offshore wind farm area (km)	Distance from offshore cable corridor (km)	Description of Project	Dates of construction (if applicable)	Dates of operation (if applicable)	Overlap with Project
North Hoyle Offshore Wind Farm	Operational	177.4	180.0	30 2MW turbines. Hub height 70m. Rotor diameter 80m.	2003	2004 to 2028	Potential for overlap with operation and maintenance phase.
Barrow Offshore Wind Farm	Operational	177.2	181.6	30 3MW turbines. Hub height 75m. Rotor diameter 90m.	2005	2006 to 2028	Potential for overlap with operation and maintenance phase.
Burbo Bank Offshore Wind Farm Extension	Operational	181.4	184.3	32 8.0MW turbines. Hub height 105m. Rotor diameter 160m.	2016	2017 to 2045	Potential for overlap with operation and maintenance phase.
Burbo Bank Offshore Wind Farm	Operational	191.4	194.4	23 3.6MW turbines. Hub height 78m. Rotor diameters 107m.	2006	2007 to 2039	Potential for overlap with operation and maintenance phase.

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

3.11.2 Updated CIA

Table 3-29: Review of project updates that may affect cumulative impact assessment with the Project for Bats in the Marine Environment.

Topic	Review of potential for further cumulative effects	Effect on conclusions of the EIAR
Bats in the Marine Environment (volume 2C, chapter 31 & volume 2C Addendum, chapter 31 Addendum)	<p>Arklow Wind Park, Dublin Array Offshore Wind Farm and the North Irish Sea Array (NISA) Offshore Wind Farm projects were screened out from further assessment in the updated CIA (see Annex 1A) as the published reports relating to Bats in the Marine Environment provided new information which resulted in the screening out of the cumulative impacts.</p> <p>One offshore wind farm, Codling Wind Park, was screened into the updated assessment for bats in the marine environment. This project was reviewed for further cumulative effects due to the availability of additional, detailed project information.</p> <p>The cumulative effects that were assessed within chapter 31 Offshore Bats (EIAR, volume 2C) with potential to be influenced by the updated project information include:</p> <ul style="list-style-type: none"> • Injury and/or fatality due collision with rotors (migratory bats); and • Injury and/or fatality due to collision with rotors (migratory bats). <p>How collision with rotors will affect bats in the marine environment depends on species ecology such as flight behaviour, however offshore flight behaviour (e.g. flight height) is not well known.</p> <p>In chapter 31: Bats in the Marine Environment (EIAR, volume 2C), the impact of injury and/or disturbance due to collision with rotors during the operational phase predicted potential likely significant effects for migrating Nathusius' pipistrelle (<i>Pipistrellus nathusii</i>), Common pipistrelle (<i>Pipistrellus pipistrellus</i>), Soprano pipistrelle (<i>Pipistrellus pygmaeus</i>) and Leisler's bat (<i>Nyctalus leisleri</i>). This conclusion was based on the impact assessment criteria as relevant to CIEEM (2018). The magnitude of the effect is the potential injury and/or fatality of an unknown numbers of these species during migration. The duration of the effect is considered to be the operational lifetime of the project (40 years) and is therefore considered long-term. The effect of this impact is considered to be irreversible.</p> <p>In volume 3, chapter 13 of the Codling Wind Park EIAR, the impact of collision was predicted to have a slight significant effect for the same species as those in the Oriel EIAR (Nathusius' pipistrelle, Common pipistrelle, Soprano pipistrelle and Leisler's bat). This was based on an Impact Assessment Matrix of receptor sensitivity and the magnitude of impact, with cognisance to the EPA (2022) EIAR guidelines. The sensitivity was low for Common pipistrelle, Soprano pipistrelle and Leisler's Bat, and medium for Nathusius's pipistrelle. The magnitude of the impact was low for all species.</p> <p>The ability to quantify this impact is constrained by the limited knowledge and data available concerning migrating bats in the marine environment. However, the Codling Wind Park EIAR was estimated to have a lower level of impact compared to the Oriel Wind Farm Project. Therefore, there is no change to the conclusion as provided in the EIAR and effect remains as 'potential likely significant effects'.</p>	No change to the conclusions of the EIAR.

4 CONCLUSIONS

This document has presented a review of the CIA presented in the Oriel Wind Farm Project EIAR (2024). This review has considered all relevant known projects that have been published up to November 2025.

The Applicant has undertaken a review of the projects, including reviewing applicable Environmental Impact Assessment Reports (EIAR), scoping reports and application documents, to identify if these projects could result in a change to the conclusions of the CIA presented in the EIAR. For all of the projects reviewed, there is no potential for new cumulative effects to arise or an increase in cumulative effects for each of the topics considered and the conclusions of the Project CIA therefore remain unchanged.

The Applicant is aware that further information has been sought for three other east coast Phase 1 Projects (Arklow Wind Park, Codling Wind Park and the North Irish Sea Array). The Applicant is also aware that this may result in changes to these project designs and associated assessments. Where such assessments result in lesser impacts to those included in the published EIARs, there will be no increase in cumulative effects. For example, if foundation types were to change and piling was no longer required, then this would not result in cumulative effects from piling with the Oriel Wind Farm Project.

The Applicant is committed to engaging with the other Phase 1 projects on any future updates to the CIA.

ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

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ORIEL WIND FARM PROJECT – CUMULATIVE IMPACT ASSESSMENT REPORT

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ANNEX 1A: MATRIX 1 UPDATED PROJECTS

Other Development Details										Stage 1		Stage 2										
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Approximate distance from Onel Application Boundary (km)	Status of Project (as of latest visit)	Tier	Within Zet?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2027) 02/02/2024 - 01/01/2028	Temporal overlap with operation (2028-2038) 01/01/2028 - 31/12/2038	Outline changes made to project since August 2023		Are the updates relevant to the impacts considered in this topic?	Do the updates lead to increased impacts to those assessed in the Onel ESAR?		
76	Ireland	Port/Marine Infrastructure	MAC0203003	Greencore Port, Doyle Shipping Group	Greencore Port Project - ORE O&M facility	https://www.marlinregulator.ie/wp-content/uploads/2024/04/04-01-2024-001-00003_Proposal.pdf	10	MAC received and Planning Consented MAC Consented (Application)	Tier 1	Yes	Yes	10/04/2024 Unknown	10/04/2069 Unknown	x	✓	✓	Yes	Project now consented	Yes, as project has now been consented	Yes	Yes	
79	Ireland	ORE Projects	2022-MAC-005	Statkraft	North Irish Sea Array (NISA)	https://northirishsearray.ie/ https://www.marlinregulator.ie/wp-content/uploads/2024/05/05-01-2024-001-00005_NISA.pdf https://www.marlinregulator.ie/wp-content/uploads/2024/05/05-01-2024-001-00005_NISA.pdf	16	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	25/12/2067 Term of licence: 45 years	x	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes	Yes	
The following Projects have been withdrawn since the application was submitted in 2024:																						
n/a	Ireland	ORE Site Investigations	F5007373	Mainstream Renewable Power Ltd	Mainstream Renewables Power Ltd - Site Investigations off Co. Dublin	https://www.gov.ie/en/irishshore-notices/60372-mainstream-renewable-power-ltd-site-investigations-off-co.-dublin/	4	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	x	x	x	No	Project withdrawn	No - no temporal overlap	N/A	No	
n/a	Ireland	ORE Site Investigations	F5007392	Lir Offshore Array Ltd.	Lir Offshore Array Ltd. Site Investigations for the proposed Lir Offshore Array	https://www.gov.ie/en/irishshore-notices/68746-f5007392-lir-offshore-array-ltd-site-investigations-for-the-proposed-lir-offshore-array-off-co.-dublin/	8	Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	x	x	No	No offshore wind farms will proceed except in a National Designated Maritime Area Plan area and so this project can be considered withdrawn	No - no temporal overlap	N/A	No	
n/a	Ireland	Sampling	F5007197	Dr Grace Cott and Shannon Burke	UCD Soil and Vegetation Sampling - Dundalk Marlin	https://www.gov.ie/en/irishshore-notices/64607-ucd-soil-and-vegetation-sampling-dundalk-marlin/	20	Withdrawn Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	x	x	No	Project withdrawn	No - no temporal overlap	N/A	No	

Note: changes to projects are shown in red.

Note: Changes to projects are shown in red

Note: changes to projects are shown in red

Other Development Details										Stage 1		Stage 2											
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Approx. distance from Ortel Application Boundary (km)	Status of Project (as of 06/2023-2024)	Tier	Within Zo?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatiotemporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?		Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2027) 01/08/2023-30/06/2027	Temporal overlap with operation (2028-2046) 01/07/2027-30/06/2048	Outline changes made to project since August 2023		Are the updates relevant to the impacts considered in this topic?	Do the updates lead to increased impacts to those assessed in the Ortel EIA?			
N/A	Ireland	Sampling	FS007192	Dr Grace Cott and Shannon Burke	UCD Soil and Vegetation Sampling - Dundalk Marshes	https://www.gov.ie/en/foreshore-notifications/77024-ucd-soil-and-vegetation-sampling-baldrover/	> 50	Withdrawn Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	x	x	No	Project withdrawn	No - project now withdrawn	N/A	No		
N/A	Ireland	Sampling	FS007197	Dr Grace Cott and Shannon Burke	UCD Soil and Vegetation Sampling - Dundalk Marshes	https://www.gov.ie/en/foreshore-notifications/77024-ucd-soil-and-vegetation-sampling-baldrover/	> 50	Withdrawn Planning	Tier 2	Yes	Yes	Unknown	Unknown	x	x	x	No	Project withdrawn	No - project now withdrawn	N/A	No		
N/A	Ireland	Sampling	FS007274	Dr Grace Cott and Shannon Burke	UCD Soil and Vegetation Sampling - Baldrover	https://www.gov.ie/en/foreshore-notifications/77024-ucd-soil-and-vegetation-sampling-baldrover/	<80	Withdrawn Planning	Tier 2	Yes	Yes	Unknown	Unknown	x	x	x	No	Project withdrawn	No - project now withdrawn	N/A	No		
N/A	N Ireland	Marine Construction	ML2023002	Avdglass harbour	Vessel dismantling	https://www.data.csi.gov.uk/development-locations-public-register/	>40	Withdrawn Planning	Tier 2	Yes	Yes	Unknown	Unknown	x	x	x	No	Project withdrawn	No - project now withdrawn	N/A	No		

Other Development Details										Stage 1		Stage 2											
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Orford Application Boundary (km)	Status of Project (as of February 2024)	Tier	Within ZOI?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because of potential for non-temporal overlap?	Other factors?	Scale and nature of development likely to have significant effect?	Progress to Stage 3/4			
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025-2025)	Temporal overlap with operation (2025-2036)							
1	England	Dredging	MLA201400101	FAIRWAY CLEARANCE AND HARBOUR SERVICES (FAHCS)	Fleetwood RML Unbrake pen, River Wyre plough bridge	EMODnet	199	Licence expired - refused	Tier 1	Yes	Yes	04/01/2004-30/04/2014	04/01/2005-30/04/2024	x	x	x	No	Licence date corrected	No Licence refused	N/A	No		
414	UK	ORE Projects - Windfarm	-	Avel y Mor Offshore Wind Farm Limited	Avel y Mor Offshore Wind Farm Limited	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100317	142	Consented Planning	Tier 1	Yes	Yes	01/01/2023	01/01/2055	x	✓	x	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	N/A	No		
21	UK	ORE Projects - Windfarm	-	Barrow Offshore Wind Limited	Barrow	EMODnet	177	Active Operational	Tier 1	Yes	Yes	01/05/2014	01/05/2026	x	✓	x	Yes	Updated status information	No change to project. Consented already in 2023 CIA	No - Project is now operational so would be screened out as part of baseline but no increased impact	No		
22	UK	ORE Projects - Windfarm	-	Orsted Burbo (UK) Limited	Burbo Bank	EMODnet	191	Operational	Tier 1	Yes	Yes	11/07/2014	11/07/2039	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	N/A	No		
23	UK	ORE Projects - Windfarm	-	Orsted Burbo Extension (UK) Limited	Burbo Bank Extension	EMODnet	181	Operational	Tier 1	Yes	Yes	10/29/2020	10/29/2045	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	N/A	No		
25	UK	ORE Projects - Windfarm	-	Gwynt y Mor Offshore Wind Farm Limited	Gwynt y Mor	EMODnet	163	Operational	Tier 1	Yes	Yes	12/03/2008	12/03/2033	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	N/A	No		
26	UK	ORE Projects - Windfarm	-	North Hoyle Wind Farm Limited	North Hoyle	EMODnet	177	Operational	Tier 1	Yes	Yes	01/01/2003	01/01/2028	x	x	x	No	Project description clarification added	No change to project. Consented already in 2023 CIA	N/A	No		
27	UK	ORE Projects - Windfarm	-	Ormonde Energy Limited	Ormonde	EMODnet	169	Operational	Tier 1	Yes	Yes	26/04/2007	31/12/2022	x	x	x	No	Project description clarification added	No change to project. Consented already in 2023 CIA	N/A	No		
28	UK	ORE Projects - Windfarm	-	Consortium of EnlW and BP	R4 Project 4 (Mona)	https://national-infrastructure-consenting.planninginspectorate.gov.uk/projects/NG03337	127	Consented Planning	Tier 1	Yes	Yes	2026	2055	x	✓	✓	Yes	Project now consented	Yes, there is significant further information available	Yes	Yes		
29	UK	ORE Projects - Windfarm	-	Offshore Wind Limited, a Joint Venture between Cabot Infrastructure y Services, S.A. and Platanos E	R4 Project 5 (Morgan)	EMODnet	151	Consented Planning	Tier 1	Yes	Yes	2026	2055	x	✓	✓	Yes	Project now consented	Yes, there is significant further information available	Yes	Yes		
30	UK	ORE Projects - Windfarm	-	Consortium of EnlW and BP	R4 Project 6 (Morgan)	https://national-infrastructure-consenting.planninginspectorate.gov.uk/projects/NG03336	119	Consented Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Project now consented	Yes, there is significant further information available	Yes	Yes		
31	UK	ORE Projects - Windfarm	-	Rhyf Flats Wind Farm Limited	Rhyf Flats	EMODnet	166	Active Operational	Tier 1	Yes	Yes	04/06/2015	03/06/2034	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is now operational so would be screened out as part of baseline but no increased impact	No		
32	UK	ORE Projects - Windfarm	-	Walney (UK) Offshore Windfarms Limited	Walney 1	EMODnet	162	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
33	UK	ORE Projects - Windfarm	-	Walney (UK) Offshore Windfarms Limited	Walney 2	EMODnet	156	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
34	UK	ORE Projects - Windfarm	-	Walney Extension Limited	Walney Extension 3	EMODnet	140	Operational	Tier 1	Yes	Yes	11/28/2014	11/28/2039	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
35	UK	ORE Projects - Windfarm	-	Walney Extension Limited	Walney Extension 4	EMODnet	146	Operational	Tier 1	Yes	Yes	11/28/2014	11/28/2039	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
37	UK	ORE Projects - Windfarm	-	ScottishPower Renewables (WDR) Limited and Orsted West of Duddon Sands (UK) Limited	West of Duddon Sands	EMODnet	162	Operational	Tier 1	Yes	Yes	9/23/2008	9/23/2033	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
38	UK	ORE Projects - Windfarm Cables	-	TC Barrow OFTO Limited	Barrow OFTO	EMODnet	181	Operational	Tier 1	Yes	Yes	8/14/2015	04/01/2030	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
39	UK	ORE Projects - Windfarm Cables	-	Diamond Transmission Partners BBE Limited	Burbo Bank Extension OFTO	EMODnet	179	Operational	Tier 1	Yes	Yes	10/29/2020	10/29/2045	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
40	UK	ORE Projects - Windfarm Cables	-	Gwynt y Mor OFTO plc	Gwynt y Mor OFTO	EMODnet	169	Active Operational	Tier 1	Yes	Yes	09/02/2015	08/02/2035	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
41	UK	ORE Projects - Windfarm Cables	-	TC Ormonde OFTO Limited	Ormonde OFTO	EMODnet	172	Operational	Tier 1	Yes	Yes	01/01/2011	01/01/2036	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
42	UK	ORE Projects - Windfarm Cables	-	TC Robin Rigg OFTO Limited	Robin Rigg OFTO	EMODnet	177	Active Operational	Tier 1	Yes	Yes	6/18/2015	4/19/2035	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
43	UK	ORE Projects - Windfarm Cables	-	Blue Transmission Walney 1 OFTO Limited	Walney 1 OFTO	EMODnet	167	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
44	UK	ORE Projects - Windfarm Cables	-	Blue Transmission Walney 2 OFTO Limited	Walney 2 OFTO	EMODnet	163	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
45	UK	ORE Projects - Windfarm Cables	-	Diamond Transmission Partners Walney Extension Limited	Walney Extension OFTO	EMODnet	145	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
47	UK	ORE Projects - Windfarm Cables	-	WDR Transmission Plc	West of Duddon Sands OFTO	EMODnet	172	Operational	Tier 1	Yes	Yes	3/15/2018	3/15/2028	x	x	x	No	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
50	UK	ORE Projects - Total	-	Newa Innovation Ltd	Bardey Sound	EMODnet	148	Planning Cancelled	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	No	Project description clarification added	No project cancelled	No - project has been cancelled	No		
51	UK	ORE Projects - Total	-	Mineo UK Limited	Holyhead Deep	EMODnet	103	Operational	Tier 1	Yes	Yes	04/12/2017	04/12/2052	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
52	UK	ORE Projects - Total	-	Mineo UK Limited	Holyhead Deep 0.5MW Site	EMODnet	105	Operational	Tier 1	Yes	Yes	04/12/2017	04/12/2052	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
53	UK	ORE Projects - Total	-	Mineo UK Limited	Strangford Lough	EMODnet	58	Operational	Tier 1	Yes	Yes	08/11/2022	08/11/2037	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
54	UK	ORE Projects - Total	-	Menter Môn Morlas Limited	West Anglesey Demonstration Zone	EMODnet	106	Consented	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
56	UK	ORE Projects - Test Site	-	Queens University Belfast	QUB Tidal Demonstration Test Site	EMODnet	58	Operational	Tier 1	Yes	Yes	08/11/2022	08/11/2037	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
59	UK	ORE Projects - Test Site	-	Queens University Belfast	QUB Wave Test Site	EMODnet	59	Operational	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
61	UK	ORE Projects - Windfarm	-	RWE Renewables UK	Robin Rigg East	EMODnet	175	Operational	Tier 1	Yes	Yes	09/10/2019	6/20/2023	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
62	UK	ORE Projects - Windfarm	-	RWE Renewables UK	Robin Rigg West	EMODnet	173	Operational	Tier 1	Yes	Yes	09/10/2019	6/20/2023	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2023 CIA	No - Project is considered as part of the baseline for marine mammals	No		
66	Ireland	Dredging	60016-02-60016-04-01	Iarnród Éireann Westport	Iarnród Éireann Westport	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100317	> 100	Consented	Tier 1	Yes	Yes	12/10/2022	30/09/2027	x	x	x	No	Changes to Licensable period	No, no temporal overlap	N/A	No		
67	Ireland	Dredging	F5007583	Wicklow County Council	Wicklow County Council - Wicklow Port Dredging	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100317	> 100	Consented Planning	Tier 1	Yes	Yes	20/04/2024	20/04/2027	x	✓	✓	Yes	Project now consented	Yes, as project has now been licensed	No - no potential for receptor-impact pathway	No		
69	Ireland	Dredging	F5007164	Dublin Port Company	Dublin Port Company Capital Dredging	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100317	70	Consented Planning	Tier 1	Yes	Yes	19/12/2023	19/12/2024	x	✓	✓	Yes	Project now consented	Yes, as project has now been licensed	No - no potential for receptor-impact pathway	No		
70	Ireland	Oil and Gas	F5005704	Independent Pipeline Company		https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100317	70	Consented	Tier 1	Yes	Yes	2018	2117	Unknown	x		✓	Yes	Licenceable end date updated	No change to project. Consented already in 2023 CIA	N/A	No	
72	Ireland	Port/Marine Infrastructure	F5007290	Dun Laoghaire Rathdown County Council	Fendering replacement at Carrigrohane Pier	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100317	70	Consented Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Project now consented	Yes, as project has now been licensed	No - no potential for receptor-impact pathway	No		
73	Ireland	Port/Marine Infrastructure	F5007224	Iarnród Éireann	Rosslare Europort Berth Extension	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100317	>180	Consented Planning	Tier 1	Yes	Yes	03/12/2024	03/12/2029	Unknown	x		✓	✓	Yes	Project now consented	Yes, as project has now been licensed	No - no potential for receptor-impact pathway	No
75	Ireland	Port/Marine Infrastructure	F5007004	CPW	CPW Wicklow Town Revetment Repairs	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100317	>100	Consented Planning	Tier 1	Yes	Yes	2024	Unknown	x	✓	✓	Yes	Project now consented	Yes, as project has now been licensed	No - no potential for receptor-impact pathway	No		
76	Ireland	Port/Marine Infrastructure	MAC2020003	Greneore Port, Doyle Shipping Group	Greneore Port Project - ORE O&M facility	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100317	10	MAC received and consented Planning	Tier 1	Yes	Yes	10/04/2024	10/04/2029	x	✓	✓	Yes	Project now consented	Yes, as project has now been consented	No - port construction project (no piling) - no potential for receptor-impact pathway	No		

Other Development Details										Stage 1				Stage 2							
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Ortel Application Boundary (km)	Status of Project (as of October 2023)	Tier	Within ZoT?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025, unless stated)	Temporal overlap with operation (2025-2035, unless stated)		Outline changes made to project since August 2022	Are the updates relevant to the impacts considered in this topic?		
77	Ireland	ORE Projects	2022-MAC-002	Sure Partners Limited SSE Renewables	Athlow Bank Wind Park Phase 2	https://www.surepartnerslimited.com/offshore-athlow-bank-wind-park-phase-2/ https://www.marineregulator.ie/ore/athlow-bank-wind-park-phase-2/ https://www.marineregulator.ie/ore/work/maritime-areas-concerned/athlow-bank-wind-park-phase-2/	111	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	29/12/2067 Term of licence: 45 years	x	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes	Yes
78	Ireland	ORE Projects	2022-MAC-006	Codling Wind Park Ltd	Codling Wind Park	https://www.marineregulator.ie/ore/codling-wind-park/ https://www.marineregulator.ie/ore/work/maritime-areas-concerned/codling-wind-park/	83	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	29/12/2067 Term of licence: 45 years	x	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes	Yes
79	Ireland	ORE Projects	2022-MAC-005	Statkraft	North Irish Sea Array (NISA)	https://www.marineregulator.ie/ore/north-irish-sea-array-nisa/ https://www.marineregulator.ie/ore/work/maritime-areas-concerned/north-irish-sea-array-nisa/	16	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	29/12/2067 Term of licence: 45 years	x	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes	Yes
80	Ireland	ORE Projects	2022-MAC-003 and 004	Blay Offshore Wind Limited and Irish Offshore Wind Limited RWE	Dublin Array	https://www.marineregulator.ie/ore/dublin-array/ https://www.marineregulator.ie/ore/work/maritime-areas-concerned/dublin-array/	73	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	29/12/2067 Term of licence: 45 years	x	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes	Yes
81	Ireland	ORE Site Investigations	FS007555	Sure Partners Ltd	Athlow Bank Wind Park off coast of County Wicklow	https://www.gov.ie/en/athlow-bank-wind-park-off-coast-of-county-wicklow/	107	Consented Planning	Tier 1	Yes	Yes	25/07/2024 Unknown	25/07/2029 Unknown	x	✓	x	Yes	Project now consented	Yes, as project has now been licensed	Yes	Yes
83	Ireland	Site Investigations	FS007635	MarineConnect Ltd	MarineConnect Electricity Interconnector Site Investigation	https://www.marineregulator.ie/ore/marineconnect-electricity-interconnector-site-investigation/	35	Consented Planning	Tier 1	Yes	Yes	04/07/2024 N/A	04/07/2029 N/A	x	✓	x	Yes	Project now consented	Yes, as project has now been licensed	Yes	Yes
86	Ireland	Site Investigations	FS007180	Tech Works Marine Ltd	Tech Works Marine Ltd Data Bury Deployment	https://www.gov.ie/en/tech-works-marine-ltd-data-bury-deployment/	65	Consented Planning	Tier 1	Yes	Yes	11/04/2024 Unknown	11/04/2029 Unknown	x	✓	x	Yes	Project now consented	Yes, as project has now been licensed	No impact pathway for marine mammals - no geophysical or geotechnical surveys	No
87	Ireland	Site Investigations	FS006909	Fingal County Council	Broadmeadow Way Greenway	https://www.gov.ie/en/broadmeadow-way-greenway/	55	Consented Planning	Tier 1	Yes	Yes	02/05/2024 N/A	02/05/2029 N/A	x	✓	x	Yes	Project now consented	Yes, as project has now been licensed	Terrestrial greenway development - no impact pathway for marine mammals	No
N/A	Ireland	ORE Site Investigations	FS007546	Codling Wind Park Ltd.	Codling Wind Park Ltd. Site Investigations for proposed Offshore Wind Farm, off Counties Wicklow and Dublin	https://www.gov.ie/en/codling-wind-park-ltd-site-investigations-for-proposed-offshore-wind-farm-off-counties-wicklow-and-dublin/	60	Consented	Tier 1	Yes	Yes	12/05/2023	12/05/2028	x	x	x	No	Project was considered in EIR and no changes to the Project have been made since application. Construction phase of Ortel Wind Farm Project has been extended and so temporal overlap with this Project no longer exists.	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007188	RWE Renewables	RWE Renewables Site Investigations off Counties Dublin and Wicklow	https://www.gov.ie/en/rwe-renewables-ireland-site-investigations-off-counties-dublin-and-wicklow/	47	Consented	Tier 1	Yes	Yes	13/01/2023	13/01/2028	x	x	x	No	Project was considered in EIR and no changes to the Project have been made since application. Construction phase of Ortel Wind Farm Project has been extended and so temporal overlap with this Project no longer exists.	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007339	Sure Partners	Sure Partners Athlow Bank Wind Park Phase 2 Site Investigations	https://www.gov.ie/en/sure-partners-athlow-bank-wind-park-phase-2-site-investigations/	122	Consented	Tier 1	Yes	Yes	13/05/2022	13/05/2027	x	x	x	No	Project was considered in EIR and no changes to the Project have been made since application. Construction phase of Ortel Wind Farm Project has been extended and so temporal overlap with this Project no longer exists.	No	N/A	No
The following Projects have been withdrawn since the application was submitted in 2024																					
N/A	Ireland	ORE Site Investigations	FS007373	Mainstream Renewable Power Ltd - Site Investigations of Co. Dublin	Mainstream Renewable Power Ltd - Site Investigations of Co. Dublin	https://www.gov.ie/en/mainstream-renewable-power-ltd-site-investigations-of-co-dublin/	4	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	x	x	x	No	Project withdrawn	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007661	EnlGrid	EnlGrid - Offshore Renewable Grid Infrastructure - Waterford and Wexford	https://www.gov.ie/en/enlgrid-offshore-renewable-grid-infrastructure-waterford-and-wexford/	201	Withdrawn Planning	Tier 1	Yes	Yes	N/A/Unknown	N/A/Unknown	x	x	x	No	Project withdrawn	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007472	Mac Lir Offshore Wind Limited	Mac Lir Offshore Wind Limited Site Investigations for proposed Offshore Wind Farm, off Counties Wicklow and Dublin	https://www.gov.ie/en/mac-lir-offshore-wind-limited-site-investigations-for-proposed-offshore-wind-farm-off-counties-wicklow-and-dublin/	56	Closed Planning	Tier 1	Yes	Yes	N/A/Unknown	N/A/Unknown	x	x	x	No	Project closed	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007367	Greytines (OWL) Windfarm Ltd	Greytines (OWL) Windfarm Ltd proposing to develop offshore windfarm off Dublin/Wicklow	https://www.gov.ie/en/greytines-owl-windfarm-ltd-proposing-to-develop-offshore-windfarm-off-dublin-wicklow/	45	Withdrawn Planning	Tier 1	Yes	Yes	N/A/Unknown	N/A/Unknown	x	x	x	No	Project withdrawn	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007392	Lir Offshore Array Ltd.	Lir Offshore Array Ltd. Site Investigations for the proposed Lir Offshore Array	https://www.gov.ie/en/lir-offshore-array-ltd-site-investigations-for-the-proposed-lir-offshore-array/	8	Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	x	x	No	No offshore wind farms will proceed except in a National Designated Maritime Area Plan area and so this project can be considered withdrawn	No	No - no temporal overlap	No
N/A	Ireland	ORE Site Investigations	FS007488	Celtic Offshore Renewable Energy	Celtic Offshore Renewable Energy Site Investigations for proposed Offshore Wind Farm, off Counties Wicklow and Waterford	https://www.gov.ie/en/celtic-offshore-renewable-energy-site-investigations-for-proposed-offshore-wind-farm-off-counties-wicklow-and-waterford/	185	Withdrawn Planning	Tier 1	Yes	Yes	N/A/Unknown	N/A/Unknown	x	x	x	No	Project withdrawn	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007464	Bore Array Ltd.	Bore Array Ltd. Site Investigations for proposed Offshore Wind Farm	https://www.gov.ie/en/bore-array-ltd-site-investigations-for-proposed-offshore-wind-farm/	185	Closed Planning	Tier 1	Yes	Yes	N/A/Unknown	N/A/Unknown	x	x	x	No	Project closed	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007283	Barba Wind Ltd.	Barba Wind Ltd. Site Investigations for proposed Offshore Wind Farm	https://www.gov.ie/en/barba-wind-ltd-site-investigations-for-proposed-offshore-wind-farm/	57	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	x	x	x	No	Project withdrawn	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007330	Rail na Mara Offshore Wind Farm Ltd	Rail na Mara Offshore Wind Farm Ltd. site investigations off the coasts of Wicklow and Dublin	https://www.gov.ie/en/rail-na-mara-offshore-wind-farm-ltd-site-investigations-off-the-coasts-of-wicklow-and-dublin/	57	Withdrawn Planning	Tier 1	Yes	Yes	N/A/Unknown	N/A/Unknown	x	x	x	No	Project withdrawn	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007232	DP Energy	DP Energy - Latitude 52 Offshore Windfarm Ltd. Site Investigations off coast of counties Wicklow and Waterford	https://www.gov.ie/en/dp-energy-latitude-52-offshore-windfarm-ltd-site-investigations-off-coast-of-counties-wicklow-and-waterford/	>100	Closed Planning	Tier 1	Yes	Yes	N/A/Unknown	N/A/Unknown	x	x	x	No	Project closed	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007135	ESB Wind Development Ltd	ESB Wind Development Ltd. Site Investigations at Loch Garman Offshore Wind off coast of county Wicklow	https://www.gov.ie/en/esb-wind-development-ltd-site-investigations-at-loch-garman-offshore-wind-off-coast-of-county-wicklow/	>120	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	x	x	x	No	Project withdrawn	No	N/A	No
N/A	Ireland	ORE Site Investigations	FS007318	RWE Renewables Ireland East Celtic Ltd.	RWE Renewables Ireland East Celtic Ltd. Site Investigations for proposed East Celtic Offshore Wind Park, off Counties Wicklow and Waterford	https://www.gov.ie/en/rwe-renewables-ireland-east-celtic-ltd-site-investigations-for-proposed-east-celtic-offshore-wind-park-off-counties-wicklow-and-waterford/	204	Withdrawn Planning	Tier 1	Yes	Yes	N/A/Unknown	N/A/Unknown	x	x	x	No	Project withdrawn	No	N/A	No

Other Development Details											Stage 1			Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	distance from Oriel Application Boundary (km)	Status of Project (as of February 2023)	Tier	Within ZOI?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration because of potential for spatial/temporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?	Progress to Stage 3/4		
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025, or before or after?)	Temporal overlap with operation (2025-2028)			Outline changes made to project since August 2022			Are the updates relevant to the impacts considered in this topic?	Do the updates lead to the potential for increased impacts to those assessed in the Oriel EIAR?
N/A	Ireland	ORE Site Investigations	FS007384	Celtic Horizon Offshore Wind Farm Limited	Celtic Horizon Offshore Wind Farm Limited Site Investigations for proposed Offshore Wind Farm, off Counties Wicklow and Wexford	https://www.gov.ie/en/republish/notice/29173-2021-201-celtic-horizon-offshore-wind-farm-limited-site-investigations-for-proposed-offshore-wind-farm-off-counties-wicklow-and-wexford/	185	Withdrawn Planning	Tier 1	Yes	Yes	N/A/Unknown	N/A/Unknown	x	x	x	No	Project withdrawn	No	N/A	No		
N/A	Ireland	ORE Site Investigations	FS007374	Mainstream Renewable Power Ltd	Power Ltd - Site Investigations of Co. Wexford	https://www.gov.ie/en/republish/notice/29166-2021-201-mainstream-renewable-power-ltd-site-investigations-off-co-wexford/	195	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	x	x	x	No	Project withdrawn	No	N/A	No		
N/A	Ireland	ORE Site Investigations	FS007151	Sunrise Wind Ltd.	Sunrise Wind Ltd. Site Investigations for the proposed Sunrise Offshore Wind Farm, off Counties Dublin and Wicklow	https://www.gov.ie/en/republish/notice/29174-2021-201-sunrise-wind-ltd-site-investigations-for-the-proposed-sunrise-offshore-wind-farm-off-counties-dublin-and-wicklow/	<50	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	x	x	x	No	Project withdrawn	No	N/A	No		
N/A	Ireland	ORE Site Investigations	FS007261	Shelmaliers Offshore	Shelmaliers Offshore Wind Farm - Site Investigations off Counties Wicklow and Wexford	https://www.gov.ie/en/republish/notice/29136-2021-201-shelmaliers-offshore-wind-farm-site-investigations-off-counties-wicklow-and-wexford/	115	Closed Planning	Tier 1	Yes	Yes	N/A	N/A	x	x	x	No	Project closed	No	N/A	No		
N/A	Ireland	ORE Site Investigations	FS007134	ESB Wind	ESB Wind Development Limited. Site Investigations at Sea Stacks Offshore Wind off Dublin and Wicklow	https://www.gov.ie/en/republish/notice/29134-2021-201-esb-wind-development-limited-site-investigations-at-sea-stacks-offshore-wind-off-dublin-and-wicklow/	59	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	x	x	x	No	Project withdrawn	No	N/A	No		

Other Development Details										Stage 1		Stage 2											
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Ortel Application Boundary (km)	Status of Project (as of 06/2023-2024)	Tier	Within Zo?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?		Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025-2026-27-2028-29-2029-30)	Temporal overlap with operation (2028-2040-2045-2050-2055-2060)	Outline changes made to project since August 2023		Are the updates relevant to the impacts considered in this topic?	Do the updates lead to increased impacts to those assessed in the Ortel EIA?			
1	England	Dredging	MLA/2014/00101	FAIRWAY CLEARANCE AND HARBOUR SERVICES LIMITED	Flintford RNLI Lifeboat pen, River Wyre through dredge	EMODnet	199	Licence expired- refused	Tier 1	Yes	Yes	04/04/2020-30/04/2014	04/04/2020-30/04/2024	*	*	*	No	Licence date corrected	No, Licence refused	N/A	No		
2	UK	Telecommunication Cables	KB0074	Global Crossing	Atlantic Crossing 1 Segment B1	EMODnet	420	Unknown- Operational (Online)	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
3	UK	Telecommunication Cables	KB0078	Pipber	COAM	EMODnet	244	Unknown- Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
4	UK	Telecommunication Cables	KB1022	British Telecom	RIOJA 2	EMODnet	424	Unknown- Operational (Online)	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
5	UK	Telecommunication Cables	KB1012	British Telecom	SEA-ME-WE 3 Segment 10.1	EMODnet	433	Unknown- Operational (Online)	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
6	UK	Telecommunication Cables	KB1042	British Telecom	SEA-ME-WE 3 Segment 10.2 + 10.3	EMODnet	434	Unknown- Operational (Online)	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
7	UK	Telecommunication Cables	KB1023	British Telecom / Jersey Telecoms	UK - Channel Islands B	EMODnet	433	Unknown- Operational (Online)	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
8	England	Other removals	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
9	England	Other deposits	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
10	England	Other deposits	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
11	England	Construction of new works	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
12	England	Other dredging	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
13	England	Navigational dredging (capital)	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
14	England	Other works	MLA/2012/002594	EDF ENERGY PLC	Combwich Wharf	EMODnet	364	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
15	England	Other dredging	MLA/2012/002594	EDF ENERGY PLC	Combwich Wharf	EMODnet	364	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
16	England	Navigational dredging (maintenance)	MLA/2012/002594	EDF ENERGY PLC	Combwich Wharf	EMODnet	364	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
17	England	Construction of new works	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
18	England	Construction of new works	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
19	England	Construction of new works	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
20	England	Other deposits	MLA/2012/002594	EDF ENERGY PLC	Site 1 Main development	EMODnet	354	Unknown- Operational (Variation Requested)	Tier 1	Yes	Yes	07/06/2013	31/12/2080	*	✓	✓	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
414	UK	ORE Projects - Windfarm	-	Awey y Mor Offshore Wind Farm Limited	https://aweyymor.com/	EMODnet	142	Consented- Planning	Tier 1	Yes	Yes	01/01/2023	01/01/2055	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No		
21	UK	ORE Projects - Windfarm	-	Barrow Offshore Wind Limited	Barrow	EMODnet	177	Active- Operational	Tier 1	Yes	Yes	01/05/2014	01/05/2026	*	✓	*	Yes	Updated status information	No change to project. Considered already in 2023 CIA	N/A	No		
22	UK	ORE Projects - Windfarm	-	Orsted Burbo (UK) Limited	Burbo Bank	EMODnet	191	Operational	Tier 1	Yes	Yes	11/07/2014	11/07/2039	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No		
23	UK	ORE Projects - Windfarm	-	Orsted Burbo Extension (UK) Limited	Burbo Bank Extension	EMODnet	181	Operational	Tier 1	Yes	Yes	10/29/2020	10/29/2045	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No		
24	UK	ORE Projects - Windfarm	-	Blue Gem Wind Limited	Embsay Floating Wind Demo	EMODnet	264	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No		
25	UK	ORE Projects - Windfarm	-	Gwynn y Mor Offshore Wind Farm Limited	Gwynn y Mor	EMODnet	163	Operational	Tier 1	Yes	Yes	12/03/2008	12/03/2033	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No		
26	UK	ORE Projects - Windfarm	-	North Hoyle Wind Farm Limited	North Hoyle	EMODnet	177	Operational	Tier 1	Yes	Yes	01/01/2003	01/01/2026	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No		
27	UK	ORE Projects - Windfarm	-	Ormonde Energy Limited	Ormonde	EMODnet	169	Operational	Tier 1	Yes	Yes	26/04/2007	31/12/2022	*	*	*	No	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No		

Other Development Details										Stage 1		Stage 2										
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	distance from Ortel Application Boundary (km)	Status of Project (as of 06/02/2023 - 2024)	Tier	Within Zo?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (03-2025–2027)- 01/01/2025–01/01/2027	Temporal overlap with operation (2028–2046)- 01/01/2028–01/01/2046	Outline changes made to project since August 2023		Are the updates relevant to the impacts considered in this topic?	Do the updates lead to increased impacts to those assessed in the Ortel EIAF?		
28	UK	ORE Projects - Windfarm	-	Consortium of EnBW and BP	R4 Project 4 (Mona)	EMODnet	127	Consented Planning	Tier 1	Yes	Yes	2026	2055	*	✓	✓	Yes	Project now consented	Yes, there is significant further information available	Yes	Yes	
29	UK	ORE Projects - Windfarm	-	Offshore Wind Limited, a Joint Venture between Cobra Instalaciones y Servicios, S.A. and Fotation E	R4 Project 5 (Morcombe)	EMODnet	151	Consented Planning	Tier 1	Yes	Yes	2026	2055	*	✓	✓	Yes	Project now consented	Yes, there is significant further information available	Yes	Yes	
30	UK	ORE Projects - Windfarm	-	Consortium of EnBW and BP	R4 Project 6 (Morgan)	EMODnet	119	Consented Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project now consented	Yes, there is significant further information available	Yes	Yes	
31	UK	ORE Projects - Windfarm	-	Rhyl Flats Wind Farm Limited	Rhyl Flats	EMODnet	166	Active Operational	Tier 1	Yes	Yes	04/06/2015	03/06/2034	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
32	UK	ORE Projects - Windfarm	-	Walney (UK) Offshore Windfarms Limited	Walney 1	EMODnet	162	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
33	UK	ORE Projects - Windfarm	-	Walney (UK) Offshore Windfarms Limited	Walney 2	EMODnet	156	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
34	UK	ORE Projects - Windfarm	-	Walney Extension Limited	Walney Extension 3	EMODnet	140	Operational	Tier 1	Yes	Yes	11/28/2014	11/28/2039	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
35	UK	ORE Projects - Windfarm	-	Walney Extension Limited	Walney Extension 4	EMODnet	146	Operational	Tier 1	Yes	Yes	11/28/2014	11/28/2039	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
36	UK	ORE Projects - Windfarm	-	WaveHub Limited Celtic Power Ltd	Wave Hub	EMODnet	387	Operational-Cancelled	Tier 1	Yes	Yes	08/11/2022	08/11/2037	*	*	*	No	Operator name change, and project cancelled, site sold	No change to project. Considered already in 2023 CIA	N/A	No	
37	UK	ORE Projects - Windfarm	-	ScottishPower Renewables (WADS) Limited and Ortel West of Duddon Sands (UK) Limited	West of Duddon Sands	EMODnet	162	Operational	Tier 1	Yes	Yes	9/23/2008	9/23/2033	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
38	UK	ORE Projects - Windfarm Cables	-	TC Barrow OFTO Limited	Barrow OFTO	EMODnet	181	Operational	Tier 1	Yes	Yes	8/14/2015	04/01/2030	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
39	UK	ORE Projects - Windfarm Cables	-	Diamond Transmission Partners BBE Limited	Burbo Bank Extension OFTO	EMODnet	179	Operational	Tier 1	Yes	Yes	10/29/2020	10/29/2045	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
40	UK	ORE Projects - Windfarm Cables	-	Gwynn-y-Môr OFTO plc	Gwynn-y-Môr OFTO	EMODnet	169	Active Operational	Tier 1	Yes	Yes	09/02/2015	08/02/2035	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
41	UK	ORE Projects - Windfarm Cables	-	TC Ormrod OFTO Limited	Ormrod OFTO	EMODnet	172	Operational	Tier 1	Yes	Yes	01/01/2011	01/01/2036	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
42	UK	ORE Projects - Windfarm Cables	-	TC Robin Rigg OFTO Limited	Robin Rigg OFTO	EMODnet	177	Active Operational	Tier 1	Yes	Yes	6/18/2015	4/19/2035	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
43	UK	ORE Projects - Windfarm Cables	-	Blue Transmission Walney 1 OFTO Limited	Walney 1 OFTO	EMODnet	167	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
44	UK	ORE Projects - Windfarm Cables	-	Blue Transmission Walney 2 OFTO Limited	Walney 2 OFTO	EMODnet	163	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
45	UK	ORE Projects - Windfarm Cables	-	Diamond Transmission Partners Walney Extension Limited	Walney Extension OFTO	EMODnet	145	Operational	Tier 1	Yes	Yes	11/01/2007	11/01/2032	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
46	UK	ORE Projects - Windfarm Cables	-	WaveHub Limited Celtic Power Ltd	Wave Hub	EMODnet	391	Operational-Cancelled	Tier 1	Yes	Yes	Unknown	Unknown	*	*	*	Yes	Operator name change, and project cancelled, site sold	No change to project. Considered already in 2023 CIA	N/A	No	
47	UK	ORE Projects - Windfarm Cables	-	WADS Transmission Plc	West of Duddon Sands OFTO	EMODnet	172	Operational	Tier 1	Yes	Yes	3/15/2018	3/15/2028	*	*	*	No	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
48	UK	ORE Projects - Test Site	-	Falmouth Harbour Commissioners	Falmouth Bay Test Site (F&BTest)	EMODnet	423	Operational	Tier 1	Yes	Yes	01/01/2011	01/01/2026	*	*	*	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
49	UK	ORE Projects - Test Site	-	WaveHub Development-Deeview Limited Celtic Power Ltd	South Penwith/Deeview Demonstration Zone	EMODnet	274	Planning	Tier 1	Yes	Yes	01/01/2019	24/12/2046-2056	*	✓	✓	Yes	License end date updated	No change to project. Considered already in 2023 CIA	N/A	No	
50	UK	ORE Projects - Tidal	-	Nova Innovation Ltd	Barbary Sound	EMODnet	148	Planning-Cancelled	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project description clarification added	No, project cancelled	N/A	No	
51	UK	ORE Projects - Tidal	-	Minesto UK Limited	Holyhead Deep	EMODnet	103	Operational	Tier 1	Yes	Yes	04/12/2017	04/12/2052	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
52	UK	ORE Projects - Tidal	-	Minesto UK Limited	Holyhead Deep 0.9MW Site	EMODnet	105	Operational	Tier 1	Yes	Yes	04/12/2017	04/12/2052	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
53	UK	ORE Projects - Tidal	-	Minesto UK Limited	Strangford Lough	EMODnet	58	Operational	Tier 1	Yes	Yes	08/11/2022	08/11/2037	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
54	UK	ORE Projects - Tidal	-	Menier Môn Morlais Limited	West Anglesey Demonstration Zone	EMODnet	106	Consented	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
55	UK	ORE Projects - Test Site	-	EMEC Limited	EMEC Islay Demonstration Zone	EMODnet	192	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
56	UK	ORE Projects - Test Site	-	EMEC Limited	Harris Demonstration Zone	EMODnet	438	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
57	UK	ORE Projects - Test Site	-	WaveHub Limited Celtic Power Ltd	North Devon Tidal Demonstration Zone	EMODnet	327	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Operator name change	No change to project. Considered already in 2023 CIA	N/A	No	
58	UK	ORE Projects - Test Site	-	Queens University Belfast	QUB Tidal Demonstration Test Site	EMODnet	58	Operational	Tier 1	Yes	Yes	08/11/2022	08/11/2037	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
59	UK	ORE Projects - Test Site	-	Queens University Belfast	QUB Wave Test Site	EMODnet	59	Operational	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
60	UK	ORE Projects - Windfarm	-	MachairWind Limited	MachairWind	EMODnet	>200km	Pre-application	Tier 3	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project description clarification added	Yes, additional information (Scoping Report) now available	Screened out of assessment due to lack of data confidence	No	
61	UK	ORE Projects - Windfarm	-	RWE Renewables UK	Robin Rigg East	EMODnet	175	Operational	Tier 1	Yes	Yes	09/10/2019	6/20/2023	*	*	*	No	Project description clarification added	No temporal overlap	N/A	No	
62	UK	ORE Projects - Windfarm	-	RWE Renewables UK	Robin Rigg West	EMODnet	173	Operational	Tier 1	Yes	Yes	09/10/2019	6/20/2023	*	*	*	No	Project description clarification added	No temporal overlap	N/A	No	
63	UK	ORE Projects - Tidal	-	Sustainable Marine Energy Ltd	Corrnel	EMODnet	262	Operational	Tier 1	Yes	Yes	08/11/2022	08/11/2027	*	*	*	Yes	Project description clarification added	No temporal overlap	N/A	No	
64	UK	ORE Projects - Tidal	-	Oran na Mara Ltd	Oran na Mara	EMODnet	213	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project description clarification added	No change to project. Considered already in 2023 CIA	N/A	No	
65	Ireland	Dredging	S0013-03-000000-00	Port of Cork Company	Port of Cork Company	https://www.portofcork.co.uk/information/PortOfCork.aspx?pages=S0013-03	> 100	Consented	Tier 1	Yes	Yes	04/08/2023-0000	31/12/2039-0000	*	✓	✓	Yes	Changes to Licensable period	Yes, as there is now temporal overlap	No - not impact pathway	No	
66	Ireland	Dredging	S0016-02-000000-00	Iarnród Éireann Waterford	Iarnród Éireann Waterford	https://www.irishrail.ie/infomation/PortOfCork.aspx?pages=S0016-02	> 100	Consented	Tier 1	Yes	Yes	12/10/2023-0000	30/09/2027-0000	*	*	*	Yes	Changes to Licensable period	Yes, as there is now temporal overlap	No - not impact pathway	No	

The following Projects were included in EIAR CIA and have been withdrawn since the application was submitted in 2024

Other Development Details										Stage 1		Stage 2											
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Approx. distance from Ortel Application Boundary (km)	Status of Project (as of 06/03/2023-2024)	Tier	Within Zo?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?		Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2027)- x x x	Temporal overlap with operation (2028-2046)- x x x	Outline changes made to project since August 2023		Are the updates relevant to the impacts considered in this topic?	Do the updates lead to increased impacts to those assessed in the Ortel EIA?			
N/A	Ireland	Site Investigations	FS006463	Bray Offshore Wind Ltd	Dublin Array	https://www.gov.ie/en/offshore-wind/00d81-bray-offshore-wind-202/	73	Withdrawn Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	x	x	No	Project withdrawn	No	N/A	No		
N/A	Ireland	Site Investigations	FS006460	Coding Wind Park Ltd.	-	https://www.gov.ie/en/offshore-wind/00d81-bray-offshore-wind-202/and-the-environment/offshore-wind/00d81-bray-offshore-wind-202/	83	Withdrawn Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	x	x	No	Project withdrawn	No	N/A	No		

Other Development Details											Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Proximity distance from Oriel Application Boundary (km)	Status of Project (as of Dec 2023)	Tier	Within 20?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Other factors?		Scale and nature of development likely to have significant effect?		Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2028)	Temporal overlap with operation (2028-2069)	Outline changes made to project since August 2023	Are the updates relevant to the impacts considered in this topic?	Do the updates lead to potential for increased impacts to those assessed in the Oriel EIAF?			
63	UK	ORE Projects - Total	-	Minesto UK Limited	Strangford Lough	EMODnet	58	Operational	Tier 1	Yes	Yes	08/11/2022	08/11/2037	*	✓	✓	Project description clarification added	No change to project. Considered already in 2023 CIA	No	No		
58	UK	ORE Projects - Test Site	-	Queens University Belfast	QUB Tidal Demonstration Test Site	EMODnet	58	Operational	Tier 1	Yes	Yes	08/11/2022	08/11/2037	*	✓	✓	Project description clarification added	No change to project. Considered already in 2023 CIA	No	No		
59	UK	ORE Projects - Test Site	-	Queens University Belfast	QUB Wave Test Site	EMODnet	59	Operational	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Project description clarification added	No change to project. Considered already in 2023 CIA	No	No		
67	Ireland	Dredging	FS007583	Wicklow County Council	Wicklow County Council - Wicklow Port Dredging	https://www.gov.ie/en/forshore-notices/fo007583-wicklow-county-council-wicklow-port-dredging/	~100 96	Consented Planning	Tier 1	Yes	Yes	26/04/2024 Unknown	26/04/2027 Unknown	*	*	*	Project now consented	Yes, as project has now been licensed	No. Project is now consented. Now no temporal overlap.	No		
69	Ireland	Dredging	FS007164	Dublin Port Company	Dublin Port Company Capital Dredging	https://www.gov.ie/en/forshore-notices/fo04-dublin-port-capital-dredging/	70	Consented Planning	Tier 1	Yes	Yes	13/12/2023 N/A	13/12/2031 N/A	*	✓	✓	Project now consented	Yes, as project has now been licensed	No. Project is now consented. Project screened out in 2023 due to no conceptual impact pathway.	No		
70	Ireland	Oil and Gas	FS005704	Independent Pipeline Company	-	https://www.gov.ie/en/forshore-notices/fo06-independent-pipeline-company-ill/	70	Consented	Tier 1	Yes	Yes	2018	2117 Unknown	*	✓	✓	Licensable end date updated	No change to project. Considered already in 2023 CIA	N/A	No		
72	Ireland	Port/Marine Infrastructure	FS007290	Dun Laoghaire Rathdown County Council	Fendering replacement at Cullinst Pier	https://www.gov.ie/en/forshore-notices/fo07290-fendering-replacement-at-cullinst-pier/	>60	Consented Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Project now consented	Yes, as project has now been licensed	No. Project is now consented. Project screened out in 2023 due to no conceptual impact pathway.	No		
76	Ireland	Port/Marine Infrastructure	MAC20230003	Greenore Port Development Group	Greenore Port Project - ORE O&M facility	https://www.maritimeregulator.ie/wp-content/uploads/2024/04/MAC20230003_Redacted.pdf	10	MAC received and Planning Consented. MAC Commence Application	Tier 1	Yes	Yes	10/04/2024 Unknown	10/04/2069 Unknown	*	✓	✓	Project now consented	Yes, as project has now been consented	Yes	Yes		
78	Ireland	ORE Projects	2022-MAC-006	Codling Wind Park Ltd	Codling Wind Park	https://www.maritimeregulator.ie/wp-content/uploads/2024/09/2022_MAC_006_Codling_Wind_Park_Ltd_AMENDED_redacted.pdf https://www.maritimeregulator.ie/wp-content/uploads/2024/09/2022_MAC_006_Codling_Wind_Park_Ltd_AMENDED_redacted.pdf	83	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2067 Term of licence 45 years	*	✓	✓	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes	Yes		
79	Ireland	ORE Projects	2022-MAC-005	Statkraft	North Irish Sea Array (NISAA)	https://www.maritimeregulator.ie/wp-content/uploads/2024/05/2022_MAC_005_NISAA.pdf https://www.maritimeregulator.ie/wp-content/uploads/2024/05/2022_MAC_005_NISAA.pdf	16	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2067 Term of licence 45 years	*	✓	✓	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes	Yes		
80	Ireland	ORE Projects	2022-MAC-003 and 004	Bray Offshore Wind Limited and Kish Offshore Wind Limited RWE	Dublin Array	https://www.maritimeregulator.ie/wp-content/uploads/2024/06/2022_MAC_003_and_004_Bray_and_Kish_Offshore_Wind_Ltd_AMENDED_redacted.pdf https://www.maritimeregulator.ie/wp-content/uploads/2024/06/2022_MAC_003_and_004_Bray_and_Kish_Offshore_Wind_Ltd_AMENDED_redacted.pdf	73	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2067 Term of licence 45 years	*	✓	✓	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes	Yes		
83	Ireland	Cables	FS007635	MaresConnect Ltd	MaresConnect Electricity Interconnector Site Investigation	https://www.gov.ie/en/forshore-notices/fo07635-maresconnect-electricity-interconnector-site-investigation/	35	Consented Planning	Tier 1	Yes	Yes	04/07/2024 N/A	04/07/2029 N/A	*	✓	✓	Project now consented	Yes, as project has now been licensed	No. Project is now consented. Project screened out in 2023 due to no conceptual impact pathway.	No		
86	Ireland	Site Investigations	FS007180	Tech Works Marine Ltd	Tech Works Marine Ltd Data Buoy Deployment	https://www.gov.ie/en/forshore-notices/fo07180-tech-works-marine-ltd-data-buoy-deployment/	65	Consented Planning	Tier 1	Yes	Yes	11/04/2024 Unknown	11/04/2029 Unknown	*	✓	*	Project now consented	Yes, as project has now been licensed	No. No change to the scope in the consented project	No		
87	Ireland	Site Investigations	FS006909	Fingal County Council	Broadmeadow Way Greenway	https://www.gov.ie/en/forshore-notices/fo0227-fo006909-broadmeadow-greenway/	55	Consented Planning	Tier 1	Yes	Yes	02/06/2024 N/A	02/06/2029 N/A	*	✓	*	Project now consented	Yes, as project has now been licensed	No. Project is now consented. Project screened out in 2023 due to no conceptual impact pathway.	No		

Other Development Details										Stage 1		Stage 2										
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	distance from Orel Application Boundary (km)	Status of Project (as of 06/2023- Yes/No)	Tier	Within Zof?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2027- Yes/No/Partial/None)	Temporal overlap with operation (2028-2068) Yes/No/Partial/None	Outline changes made to project since August 2023		Are the updates relevant to the impacts considered in this topic?	Do the updates lead to increased impacts to those assessed in the Orel EJAR?		
76	Ireland	Port/Marine Infrastructure	MAC20230003	Greenore Port: Doyle Shipping Group	Greenore Port Project - ORE O&M facility	https://www.marlineregulator.ie/wp-content/uploads/2024/04/MAC-20230003_Redacted.pdf	10	MAC received and Planning Consented MAC-Consent (Application)	Tier 1	Yes	Yes	10/04/2024 Unknown	10/04/2069 Unknown	*	✓	✓	Yes	Project now consented	Yes, as project has now been consented	Yes	Yes	
79	Ireland	ORE Projects	2022-MAC-005	Statkraft	North Irish Sea Array (NISA)	https://www.marlineregulator.ie/wp-content/uploads/2024/04/MAC-005_NISA.pdf https://www.marlineregulator.ie/wp-content/uploads/2024/04/MAC-005_NISA.pdf	16	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2067 Term of licence: 45 years	*	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes	Yes	
83	Ireland	Cables	FS007635	MarsConnect Ltd	MarsConnect Electricity Interconnector Site Investigation	https://www.gov.ie/en/offshore-notice/773a77-h007635-marsconnect-electricity-interconnector-site-investigation/	35	Consented Planning	Tier 1	Yes	Yes	04/07/2024 N/A	04/07/2029 N/A	*	✓	*	Yes	Project now consented	Yes, as project has now been licensed	No - Installation of a subsea cable with no surface piercing assets is unlikely to have a material impact on navigational safety or shipping routes given the distance from Orel.	No	
N/A	N.Ireland	Port/Marine Infrastructure	ML2023023	Louth County Council	Carlingford Lough Greenway Section 3 (between NW/CO border and Victoria Lock)	https://www.dema-ni.gov.uk/consultations/carlingford-greenway-section-3-nwco2023023	>20	Consented Planning	Tier 1	Yes	Yes	22/12/2023 Unknown	01/03/2025 Unknown	*	*	*	No	Project now consented	No - no temporal overlap	N/A	No	
The following Projects have been withdrawn since the application was submitted in 2024																						
N/A	Ireland	ORE Site Investigations	FS007373	Mainstream Renewable Power Ltd	Mainstream Renewable Power Ltd - Site Investigations off Co. Dublin	https://www.gov.ie/en/offshore-notice/cd2071-240604-mainstream-renewable-power-ltd-site-investigations-off-co-dublin/	4	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	*	*	*	No	Project withdrawn	No - no temporal overlap	N/A	No	
N/A	Ireland	ORE Site Investigations	FS007382	Lir Offshore Array Ltd.	Lir Offshore Array Ltd. Site Investigations for the proposed Lir Offshore Array	https://www.gov.ie/en/offshore-notice/9f72ab-2007892-lir-offshore-array-ltd-site-investigations-for-the-proposed-lir-offshore-array-off-co-dublin/	8	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	*	*	No	No offshore wind farms will proceed except in a National Designated Maritime Area Plan area and so this project can be considered withdrawn.	No - no temporal overlap	N/A	No	
N/A	Ireland	Sampling	FS007197	Dr Grace Cott and Shannon Burke	UCD Soil and Vegetation Sampling - Dundalk Marshes	https://www.gov.ie/en/offshore-notice/abff1-240604-and-vegetation-sampling-dundalk-marshes/	20	Withdrawn Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	*	*	No	Project withdrawn	No - no temporal overlap	N/A	No	

Other Development Details										Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	distance from Ortel Application Boundary (km)	Status of Project (as of 06/2023 - 2024)	Tier	Within Zol?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Other factors?	Other factors?		Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (20-2026-2027-23/12/22 - 01/2026)	Temporal overlap with operations (2028-2049-2029 - 2049)			Are the updates relevant to the impacts considered in this topic?	Do the updates lead to potential for increased impacts to those assessed in the Ortel EIAR?	
76	Ireland	Port/Marine Infrastructure	MAC20230003	Greenore Port, Doyle Shipping Group	Greenore Port Project - CNE QM facility	https://www.marlinregulator.ie/wp-content/uploads/2024/06/2023-2023-Redacted-102	10	MAC received and Planning Consented MMR-Consent (Applications)	Tier 1	Yes	Yes	10/04/2024	10/04/2069	✖	✓	✓	Yes	Project now consented	Yes, as project has now been consented	Yes - could increase the potential of displacement of recreational activities by increased vessel presence / construction activity	Yes
79	Ireland	ORE Projects	2022-MAC-005	Statkraft	North Irish Sea Array (NISA)	https://www.marlinregulator.ie/wp-content/uploads/2024/06/2022_MAR_005_NISA.pdf https://www.marlinregulator.ie/about-maritime-area-consent/applications-determined	16	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2067 Term of licence: 45 years	✖	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	Yes - increase potential of displacement of recreational activity due to site investigation works / vessel presence	Yes
The following projects have been withdrawn since the decision was submitted in 2024																					
N/A	Ireland	ORE Site Investigations	FS007373	Mainstream Renewable Power Ltd	Mainstream Renewable Power Ltd - Site Investigations off Co. Dublin	https://www.gov.ie/en/offshore-notice/6d0377-mainstream-renewable-power-ltd-site-investigations-off-co-dublin/	4	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	✖	✖	✖	No	Project withdrawn	No - no temporal overlap	N/A	No
N/A	Ireland	ORE Site Investigations	FS007392	Lir Offshore Array Ltd.	Lir Offshore Array Ltd. - Site Investigations for the proposed Lir Offshore Array	https://www.gov.ie/en/offshore-notice/6874eb-fs007392-lir-offshore-array-ltd-site-investigations-for-the-proposed-lir-offshore-array-off-co-dublin-mech-and-dublin/	8	Planning	Tier 1	Yes	Yes	Unknown	Unknown	✖	✖	✖	No	No offshore wind farms will proceed except in a National Designated Maritime Area Plan area and so this project can be considered withdrawn.	No - no temporal overlap	N/A	No

Other Development Details										Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/layer	Average distance from Ortel Application Boundary (km)	Status of Project (as of 2022-01-01)	Tier	Within Zof?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further consideration required because potential for spatial/temporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025) or operation (2025-2026) with Ortel	Temporal overlap with operation (2025-2026) with Ortel		Outline changes made to project since August 2022	Are the updates relevant to the impacts considered in this topic?		
53	UK	ORE Projects - Total	-	Miwatts UK Limited	Strangford Lough	EMCOnet	58	Operational	Tier 1	Yes	Yes	08/11/2022	08/11/2037	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2021 CIA.	N/A	No
58	UK	ORE Projects - Test Site	-	Queens University Belfast	QUB Tidal Demonstration Test Site	EMCOnet	58	Operational	Tier 1	Yes	Yes	08/11/2022	08/11/2037	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2021 CIA.	N/A	No
59	UK	ORE Projects - Test Site	-	Queens University Belfast	QUB Wave Test Site	EMCOnet	59	Operational	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Project description clarification added	No change to project. Consented already in 2021 CIA.	N/A	No
76	Ireland	Port/Marine Infrastructure	MAC2023003	Greenore Port, Doyle Shipping Group	Greenore Port Project - ORE O&M facility	https://www.mapfiremapdata.ie/map-content/updates/2024/05/2022_MAC_005_NISA.pdf	10	MAC received and Planning Consented (MAC-Consented)	Tier 1	Yes	Yes	10/04/2024 Unknown	10/04/2066 Unknown	x	✓	✓	Yes	Project now consented	Yes, as project has now been consented	No - Additional shipping movements not considered to give rise to an increased impact with this busy shipping area. Also noted that the consent does not identify which offshore windfarm the ships are to be moving to	No
79	Ireland	ORE Projects	2022-MAC-005	Statkraft	North Irish Sea Array (NISA)	https://www.mapfiremapdata.ie/map-content/updates/2024/05/2022_MAC_005_NISA.pdf https://www.mapfiremapdata.ie/map-content/updates/2024/05/2022_MAC_005_NISA.pdf	16	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2067 Term of licence: 45 years	x	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	No - impacts arising are not considered to give rise to an increased impact when considered against those assessed in the Ortel EISAR	Yes
83	Ireland	Cables	FS007635	MaresConnect Ltd	MaresConnect Electricity Interconnector Site Investigation	https://www.gov.ie/en/offshore-notices/77267-6407635-maresconnect-electricity-interconnector-site-investigation/	35	Consented Planning	Tier 1	Yes	Yes	04/07/2024 N/A	04/07/2029 N/A	x	✓	✓	Yes	Project now consented	Yes, as project has now been licensed	Yes - potential for localised temporary cumulative impacts on views north from southern portions of the study area Updated CIA reporting to assess potential localised temporary impacts with regards to this project	Yes
87	Ireland	Site Investigations	FS006909	Fingal County Council	Broadmeadow Way Greenway	https://www.gov.ie/en/offshore-notices/62927-6208909-broadmeadow-greenway/	55	Consented Planning	Tier 1	Yes	Yes	03/06/2024 N/A	03/06/2029 N/A	x	✓	x	Yes	Project now consented	Yes, as project has now been licensed	No	No
This project has been withdrawn since the application was submitted in 2024.																					
n/a	Ireland	ORE Site Investigations	FS007373	Mainstream Renewable Power Ltd	Mainstream Renewable Power Ltd - Site Investigations off Co. Dublin	https://www.gov.ie/en/offshore-notices/60337-6066666-mainstream-renewable-power-ltd-site-investigations-off-co-dublin/	4	Withdrawn Planning	Tier 1	Yes	Yes	N/A	N/A	x	x	x	No	Project withdrawn	Yes - since the project is withdrawn, it will not be considered or included in the SLVIA cumulative assessment.	N/A	No
N/A	Ireland	ORE Site Investigations	FS007392	Li Offshore Array Ltd.	Li Offshore Array Ltd., Site Investigations for the proposed Li Offshore Array	https://www.gov.ie/en/offshore-notices/68766-6007392-li-offshore-array-ltd-site-investigations-for-the-proposed-li-offshore-array-off-co-dublin/	8	Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	x	x	No	No offshore wind farms will proceed except in a National Designated Maritime Area Plan area and so this project can be considered withdrawn	Yes - since the project is withdrawn, it will not be considered or included in the SLVIA cumulative assessment.	N/A	No

Note: changes to projects are shown in red.

Other Development Details										Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Approx. distance from Onel Application Boundary (km)	Status of Project (as of 4/2023 - N/A)	Tier	Within ZOI?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Other factors?		Scale and nature of development likely to have significant effect?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2024-2025)	Temporal overlap with operation (2024-2025)		Outline changes made to project since August 2023	Are the updates relevant to the impacts considered in this topic?		
77	Ireland	ORE Projects	2022-MAC-002	Sure Partners Limited SSE Renewables	Aklow Bank Wind Park Phase 2	https://www.surenewables.com/offshore-wind-projects/aklow-bank-wind-park/ https://www.marlinregulator.ie/wp-content/uploads/2024/05/2022_MAC_002_Sure_Par.pdf https://www.marlinregulator.ie/our-work/marine-airs-consents/applications-determined/	111	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2027 Term of licence: 45 years	*	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	No. The EIAI identified potential impacts (collision/batteries) including significant effects. However, significant effects were identified for foraging bats only. The Project EIAI chapter 31 identified significant effects for migrating bats only. Therefore, this impact is not relevant to the Cumulative Impact Assessment and is not considered further. Additionally, potential impact (disturbance) was identified on migrating offshore bats, however effects were not significant. On this basis, the assessment of this impact is not considered further.	No
78	Ireland	ORE Projects	2022-MAC-006	Coding Wind Park Ltd.	Coding Wind Park	https://codingwindpark.ie/ https://www.marlinregulator.ie/wp-content/uploads/2024/05/2022_MAC_006_Coding_Wind_Park_Ltd_AMENDE_D_revised.pdf https://www.marlinregulator.ie/our-work/marine-airs-consents/applications-determined/	83	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2027 Term of licence: 45 years	*	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	The Coding EIAI identified potential impacts (collision risk) including slight significant effects. On this basis, collision risk impacts for the Project and Coding should be cumulatively assessed. Potential impact (disturbance) was identified on migrating offshore bats, however effects were not significant. On this basis, this impact is not considered further.	Yes
79	Ireland	ORE Projects	2022-MAC-005	Stukraft	North Irish Sea Array (NISA)	https://northirishsearray.ie/ https://www.marlinregulator.ie/wp-content/uploads/2024/05/2022_MAC_005_NISA.pdf https://www.marlinregulator.ie/our-work/marine-airs-consents/applications-determined/	16	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2027 Term of licence: 45 years	*	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	No. Potential impacts of disturbance were identified in the NISA EIAI but no significant effects on migrating bats. On this basis, assessment of this impact is not considered further. Potential impact of injury/death due to collision/batteries was identified in the NISA EIAI but no significant effects on migrating bats. On this basis, assessment of this impact is not considered further.	No
80	Ireland	ORE Projects	2022-MAC-003 and 004	Bray Offshore Wind Limited and Kish Offshore Wind Limited RWE	Dublin Array	https://dublinarray.com/ https://www.marlinregulator.ie/wp-content/uploads/2024/04/2022_MAC_003-and-004_Bray_and_Kish_Offshore_Wind_Ltd_AMENDE_D_revised.pdf https://www.marlinregulator.ie/our-work/marine-airs-consents/applications-determined/	73	Planning MAC Consent	Tier 1	Yes	Yes	23/12/2022	23/12/2027 Term of licence: 45 years	*	✓	✓	Yes	MAC consented and Planning application submitted	Yes, as there is significant further information available for the application	No. Impact of collision or batteries during the operational phase was identified as a potential impact in the Dublin Array EIAI. However, the impact of collision or batteries to bats was identified to be negligible. There was no impact of disturbance (interference with echolocation) identified in the Dublin Array EIAI. On this basis, assessment of these impacts are not considered further.	No
81	Ireland	ORE Site Investigations	F5007555	Sure Partners Ltd	Aklow Bank Wind Park off coast of County Wicklow	https://www.gov.ie/en/for-offshore-notices/6c9f8b-260725e-aklow-bank-wind-park-off-coast-of-county-wicklow/	107	Consented Planning	Tier 1	Yes	Yes	25/07/2024 Unknown	25/07/2029 Unknown	*	✓	*	Yes	Project now consented	Yes, as project has now been licensed	N/A	No
82	N.Ireland	Oil and Gas	ML 28_12	Marinegate Storage Limited	Marinegate Gas Storage Project	https://www.dema.co.uk/dem/publications/marinegate-ml-28-12-marinegate-gas-storage-project	> 100	Consented Planning	Tier 1	Yes	Yes	05/11/2021 N/A	In perpetuity N/A	*	✓	✓	Yes	Project now consented	Yes, as project has now been licensed	No. Not relevant to bats in the marine environment.	No
83	Ireland	Cables	F5007635	MarsConnect Ltd	MarsConnect Electricity Interconnector Site Investigation	https://www.gov.ie/en/for-offshore-notices/77be7-6607635-marsconnect-electricity-interconnector-site-investigation/	35	Consented Planning	Tier 1	Yes	Yes	04/07/2024 N/A	04/07/2029 N/A	*	✓	*	Yes	Project now consented	Yes, as project has now been licensed	No. Not relevant to bats in the marine environment.	No
86	Ireland	Site Investigations	F5007180	Tech Works Marine Ltd	Tech Works Marine Ltd Data Buoy Deployment	https://www.gov.ie/en/for-offshore-notices/6b4db-16007180-tech-works-marine-ltd-data-buoy-deployment/	66	Consented Planning	Tier 1	Yes	Yes	11/04/2024 Unknown	11/04/2029 Unknown	*	✓	*	Yes	Project now consented	Yes, as project has now been licensed	No. Not relevant to bats in the marine environment.	No
87	Ireland	Site Investigations	F5006909	Fingal County Council	Broadmeadow Way Greenway	https://www.gov.ie/en/for-offshore-notices/65622-16006909-county-fingal-broadmeadow-way-greenway/	55	Consented Planning	Tier 1	Yes	Yes	02/05/2024 N/A	02/05/2029 N/A	*	✓	*	Yes	Project now consented	Yes, as project has now been licensed	No. Not relevant to bats in the marine environment.	No

ANNEX 1B: MATRIX 1 NEW PROJECTS

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/2023 - Yes)	Tier	Within ZoF?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (Q3 2023 – Q3 2027) - Yes	Temporal overlap with operation (Q3 2028 – Q3 2048) - Yes				
100	United Kingdom	Disposal Site	ISE71	Warrenpoint B	Unknown	EMODnet	7	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	Not enough information to screen in.	No	No
116	N.Ireland	Marine Disposal	ML2023040	Warrenpoint Harbour	Sea disposal of dredging material from Warrenpoint Harbour	https://www.data-republic.eu/publications/marine-licence-mr242380-sea-disposal-warrenpoint-harbour	6	Consented	Tier 1	Yes	Yes	27/03/2024	26/03/2027	*	*	*	No	No temporal overlap	No	No
137	United Kingdom	Dredging Point	809	Kilkeel	Celtic Sea	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Not enough information to screen in.	No	No
254	Ireland	Water Pipeline Projects	MAC20240006	Uisce Éireann	Upgrade of Water Mains Infrastructure beneath River Boyne, Drogheda, Louth	https://www.maritimesregulator.ie/your-work/marine-areas-consent/applications/determinations/	14	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Yes	No	Yes
269	Ireland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	https://www.maritimesregulator.ie/applications/LIC230001/	16	Consented	Tier 1	Yes	Yes	02/08/2024	02/08/2031	*	✓	✓	Yes	Yes	No	Yes
278	Ireland	Site Investigations	MUL240011	Bremore Ireland Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure Dublin and Meath	https://www.maritimesregulator.ie/applications/mu240011/	6	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Yes	No	Yes

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023-2027)	Tier	Within Zof?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (Q3-2026 - 2027) - Yes/No	Temporal overlap with operation (2028 - 2046) - Yes/No				
116	N Ireland	Marine Disposal	ML2023040	Warrenpoint Harbour	Sea disposal of dredging material from Warrenpoint Harbour	https://www.data.gov.uk/publications/marine-licence-m/2023040-sea-disposal-warrenpoint-harbour	6	Consented	Tier 1	Yes	Yes	27/03/2024	26/03/2027	*	*	*	No	No - no temporal overlap	N/A	No
137	United Kingdom	Dredging Point	809	Kilkeel	Celtic Sea	EMOOnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - Ongoing activities associated with port operations so can be considered an ongoing activity part of baseline.	No	No
254	Ireland	Water Pipeline Projects	MAC20240008	Uisce Eireann	Upgrade of Water Mains Infrastructure beneath River Boyne, Drogheda, Louth	https://www.marlinregulator.info/ir-work/marine-area-consent/applications-received/	14	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - unlikely to result in effects on benthic habitats of a similar nature to those associated with the Proposed Development	No	No
269	Ireland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	https://www.marlinregulator.info/applications/lic-230001/	16	MUL Consented	Tier 1	Yes	Yes	02/08/2024	02/08/2031	*	✓	✓	Yes	Yes		Yes
278	Ireland	Site Investigations	MUL240011	Bremore Ireland Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure, Dublin and Meath	https://www.marlinregulator.info/applications/mul240011/	6	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - due to the very limited impacts on seabed both spatially and temporally	No	No
356	Ireland	Farm	IE_0172	Oysters	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
357	Ireland	Farm	IE_1092	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
358	Ireland	Farm	IE_1031	Oysters	-	EMOOnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
359	Ireland	Farm	IE_1118	Oysters	-	EMOOnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
360	Ireland	Farm	IE_1050	Oysters	-	EMOOnet	7	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
361	Ireland	Farm	IE_1063	Mussels	-	EMOOnet	14	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
362	Ireland	Farm	IE_1068	Mussels	-	EMOOnet	15	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
363	Ireland	Farm	IE_1071	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
364	Ireland	Farm	IE_0629	Mussels	-	EMOOnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
365	Ireland	Farm	IE_0655	Mussels	-	EMOOnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
366	Ireland	Farm	IE_0656	Mussels	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
367	Ireland	Farm	IE_0657	Mussels	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
368	Ireland	Farm	IE_0654	Mussels	-	EMOOnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
369	Ireland	Farm	IE_0927	Mussels	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
370	Ireland	Farm	IE_0674	Mussels	-	EMOOnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
371	Ireland	Farm	IE_0639	Mussels	-	EMOOnet	17	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
372	Ireland	Farm	IE_0399	Oysters/Clams	-	EMOOnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
373	Ireland	Farm	IE_0398	Oysters/Clams	-	EMOOnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
374	Ireland	Farm	IE_0949	Oysters	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
375	Ireland	Farm	IE_0961	Oysters	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
376	Ireland	Farm	IE_0503	Oysters	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
377	Ireland	Farm	IE_0504	Oysters	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
378	Ireland	Farm	IE_0490	Oysters/Clams	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
379	Ireland	Farm	IE_0491	Oysters/Clams	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
380	Ireland	Farm	IE_0964	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
381	Ireland	Farm	IE_0495	Oysters	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
382	Ireland	Farm	IE_0969	Oysters	-	EMOOnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
383	Ireland	Farm	IE_0483	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
384	Ireland	Farm	IE_0494	Oysters	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
385	Ireland	Farm	IE_0485	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
386	Ireland	Farm	IE_0481	Oysters	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/2023 - 2023)	Tier	Within Zof?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2023-2023)	Temporal overlap with operation (2023-2023)				
387	Ireland	Farm	IE_0489	Oysters,Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
388	Ireland	Farm	IE_0173	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
389	Ireland	Farm	IE_1094	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
390	Ireland	Farm	IE_0276	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No
391	Ireland	Farm	IE_0277	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - No receptor - impact pathway for cumulative effects with the Project.	No	No

Other Development Details											Stage 1		Stage 2							
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within 20?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2027)	Temporal overlap with operation (2028-2066)				
88	United Kingdom	Disposal Site	IS043	Holyhead North	Unknown	EMODnet	102	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No	
89	United Kingdom	Disposal Site	IS065	Conwy	Unknown	EMODnet	161	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No	
92	United Kingdom	Disposal Site	IS140	Site Z	Unknown	EMODnet	185	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No	
96	United Kingdom	Disposal Site	IS205	Barrow D	Unknown	EMODnet	185	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No	
97	United Kingdom	Disposal Site	IS241	Workington Anchorage	Unknown	EMODnet	178	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No	
99	United Kingdom	Disposal Site	ISS91	Belfast Dredgings C	Unknown	EMODnet	97	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No	
109	United Kingdom	Disposal Site	MA545	Portlewart Bay B	Unknown	EMODnet	154	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No	
110	United Kingdom	Disposal Site	MA581	Camlough A	Unknown	EMODnet	117	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No	
111	Ireland	Dredging	S0033-01	Dublin Port Company	Dublin Harbour Capital Dredging Project	https://seaportinfo.dga.ie/terminal-port/S0033-01/ www.ap.teagasc.ie/S0033-01	58	Consented	Tier 1	Yes	Yes	17/12/2024	31/03/2030	*	✓	✓	Yes	No due to limited extent of impacts	No	No
112	Ireland	Dredging	S0037-01	Wicklow County Council	Maintenance dredging of Wicklow Port	https://seaportinfo.dga.ie/terminal-port/S0037-01/ www.ap.teagasc.ie/S0037-01	115	Planning (Applied 19/04/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No
113	Ireland	Dredging	S0038-01	Dublin Port Company	Capital Dredging for 3FM Project	https://seaportinfo.dga.ie/terminal-port/S0038-01/ www.ap.teagasc.ie/S0038-01	58	Planning (Applied 11/20/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No
116	N.Ireland	Marine Disposal	ML2023040	Warrenpoint Harbour	Sea disposal of dredging material from Warrenpoint Harbour	https://www.dema.ie/locations/marine-licence-m2023040-sea-disposal-warrenpoint-harbour	6	Consented	Tier 1	Yes	Yes	27/03/2024	26/03/2027	*	*	*	No	No due to no temporal overlap	No	No
125	Ireland	Navigational dredging (maintenance)	MUL230026	Wicklow County Council	Maintenance dredging of the navigation channel, turning basin and berths within Wicklow Port - Wicklow	https://www.maritimesregulator.ie/ia/ia-licences/mul230026	96	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No
130	United Kingdom	Dredging Point	786	Castletown Bay, Isle of Man	Celtic Sea	EMODnet	92	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No
137	United Kingdom	Dredging Point	809	Kilkeel	Celtic Sea	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No
138	United Kingdom	Dredging Point	811	Lagan River/Belfast Lough	Celtic Sea	EMODnet	78	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No
154	United Kingdom	Dredging Point	838	Port St. Mary, Isle of Man	Celtic Sea	EMODnet	86	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No, distance and scale of impacts means significant cumulative effects will not occur.	No	No
166	Wales	Deposit and Removal	CML2312	Robert Wynn & Sons Ltd	Beach landing at Black Rock Sands	NRW	164	Unknown	Tier 1	Yes	Yes	06/04/2023	Unknown	*	Unknown	Unknown	Yes	No due to limited extent of impacts	No	No
169	Wales	Removal	CML2331	MarecConnect Ltd	Interconnector Seabed Survey	NRW	59	Unknown	Tier 1	Yes	Yes	12/10/2023	31/12/2025	*	*	*	Yes	No due to limited extent of impacts	No	No
170	Wales	Construction, Deposit, Removal	CML2332	Gwynedd Council	Repair of sea wall, erect floodgate and install new drainage network.	NRW	186	Unknown	Tier 1	Yes	Yes	27/02/2024	01/04/2026	*	*	*	Yes	No due to limited extent of impacts	No	No
172	Wales	Construction, Deposit, Removal	CML2339	Arcaula Water Services (Estates) Ltd	RAF Valley Tidal Flap	NRW	122	Unknown	Tier 1	Yes	Yes	27/09/2023	01/09/2028	*	✓	*	Yes	No due to limited extent of impacts	No	No
173	Wales	Construction, Deposit, Removal	CML2339	Arcaula Water Services (Estates) Ltd	RAF Valley Tidal Flap	NRW	122	Unknown	Tier 1	Yes	Yes	28/09/2023	01/09/2028	*	✓	*	Yes	No due to limited extent of impacts	No	No
174	Wales	Construction, Deposit, Removal	CML2339	Arcaula Water Services (Estates) Ltd	RAF Valley Tidal Flap	NRW	123	Unknown	Tier 1	Yes	Yes	29/09/2023	01/09/2028	*	✓	*	Yes	No due to limited extent of impacts	No	No
211	Wales	Deposit	EXML2454	Llandudno Town Council	Llandudno Annual Fireworks Display	NRW	160	Unknown	Tier 1	Yes	Yes	03/11/2024	02/11/2025	*	*	*	No	N/A	N/A	No
212	Wales	Removal	RML2303	Ocean Ecology Limited	Gash samples	NRW	140	Unknown	Tier 1	Yes	Yes	03/05/2023	01/04/2023	*	*	*	No	N/A	N/A	No
224	Wales	Removal	RML2412	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR1	NRW	79	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No
225	Wales	Removal	RML2413	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR2	NRW	88	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No
226	Wales	Removal	RML2413	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR2	NRW	83	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No
237	Wales	Removal	RML2444	Mona Offshore Wind Limited	Mona Offshore Wind Farm 2024 Deep Geotechnical Survey	NRW	130	Unknown	Tier 1	Yes	Yes	18/09/2024	17/09/2025	*	*	*	No	N/A	N/A	No
239	Wales	Construction	CML 1843	NRW	Repair and improve sea defence revetment	NRW	188	Unknown	Tier 1	Yes	Yes	06/02/2019	31/12/2054	*	✓	✓	Yes	No due to limited extent of impacts	No	No
240	Ireland	Port/Marine Infrastructure	314487	Minister for Agriculture, Food and the Marine	Dredging of harbour, reclamation of land, construction of slipway, embankment and rock armour - Howth Fishery Harbour Centre	https://www.gov.ie/en/consultations/314487-howth-harbour-dredging/	51	Consented (30/07/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No
241	Ireland	Port/Marine Infrastructure	320250	Dublin Port Company	3FM Project - Construction of Lo-Lo container terminal, Ro-Ro freight terminal and other work	https://www.dubport.ie/news/3fm/	54	Planning (Applied on 23/07/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No
243	Ireland	Port/ Marine Infrastructure	MAC20230012	Kish Offshore Wind Limited & Bray Offshore Wind Limited	ORE O&M facility in St. Michael's Pier, Din Laoghaire Harbour	https://www.maritimesregulator.ie/ia/ia-licences/mac20230012-amendment-a-rejected-up	61	MAC Consent	Tier 2	Yes	Yes	30/10/2024	30/10/2069	*	✓	✓	Yes	No due to limited extent of impacts	No	No
244	Ireland	Port/ Marine Infrastructure	MAC20230005	Iarnród Éireann/Irish Rail	ORE O&M facility in Rosslare Europort	https://www.maritimesregulator.ie/ia/ia-licences/mac20230005-rejected-up	> 100	MAC Consent	Tier 2	Yes	Yes	02/07/2025	02/07/2065	*	✓	✓	Yes	No due to limited extent of impacts	No	No
245	Ireland	Port/ Marine Infrastructure	MAC240020	Dun Laoghaire Rathdown County Council, Kish Offshore Wind Limited, Bray Offshore Wind Limited	ORE O&M Facility and additional works for Dublin Array Offshore Wind Farm at Dun Laoghaire Harbour	https://www.maritimesregulator.ie/ia/ia-licences/mac240020-amendment-a-rejected-up	61	MAC Consent	Tier 2	Yes	Yes	12/11/2024	12/11/2069	*	✓	✓	Yes	No due to limited extent of impacts	No	No
246	N.Ireland	Marine Construction	ML2022003	Louth County Council	Narrow Water Bridge Project	https://www.dema.ie/locations/marine-licence-m2022003-narrow-water-bridge-works/	21	Consented	Tier 1	Yes	Yes	28/03/2024	28/03/2027	*	*	*	No	No due to no temporal overlap	No	No
247	N.Ireland	Marine Construction	ML2023017	LSS Oil Terminal	LSS Jetty Lough Foyle	https://www.dema.ie/locations/marine-licence-m2023017-lss-jetty-lough-foyle/	140	Consented	Tier 1	Yes	Yes	20/05/2025	20/05/2028	*	*	*	No	No due to no temporal overlap	No	No
248	N.Ireland	Marine Construction	ML2023029	North Channel Wind Limited	Marine Surveys to inform location and design of offshore windfarm and cable route	https://www.dema.ie/locations/marine-licence-m2023029-north-channel-wind-farm-1/	101	Consented	Tier 1	Yes	Yes	01/04/2025	01/04/2028	*	*	*	No	No due to no temporal overlap	No	No
249	N.Ireland	Marine Construction	ML2024009	TI LHC Limited	Ground survey work to inform a project: interconnector between NI and Scotland	https://www.dema.ie/locations/marine-licence-m2024009-ti-lhc/	88	Consented	Tier 1	Yes	Yes	22/01/2025	22/01/2026	*	*	*	No	No due to no temporal overlap	No	No

Other Development Details											Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within 20?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023–2027)	Temporal overlap with operation (2028–2066)					
250	N.Ireland	Marine Construction	ML2024011	Northern Ireland Water	Newcastle Central Promenade	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m0204011-norcastle-central-promenade-northern-ireland-water	30	Consented	Tier 1	Yes	Yes	11/11/2024	11/11/2025	x	x	x	No	No due to no temporal overlap	No	No	
251	N.Ireland	Marine Construction	ML2024012	Causeway Coast & Glens Borough Council	Repair the existing slipway at Portballintrae Harbour by removing and replacing damaged areas	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m0204012-portballintrae-cau-seway-coast-glens-borough-council	144	Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
252	N.Ireland	Marine Construction	ML2024027	Translink NIR	Improve Sea defences in Carricklegus	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m0204027-ni-translink-sea-defences-carricklegus-borough-council	88	Consented	Tier 1	Yes	Yes	08/04/2025	07/04/2028	x	x	x	No	No due to no temporal overlap	No	No	
253	N.Ireland	Marine Construction	ML2024030	Bangor Marine Limited	Construction of outfall pipe for storm drainage in Bangor Marina	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m0204030-bangor-marine-limited	84	Planning	Tier 1	Yes	Yes	24/03/2025	23/03/2026	x	x	x	No	No due to no temporal overlap	No	No	
254	Ireland	Water Pipeline Projects	MAC2024008	Uisce Eireann	Upgrade of Water Mains Infrastructure beneath River Boyne, Drogheda, Louth	https://www.maritimeregulator.ie/it-work/marine-apps-consents/applications-received/	14	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - unlikely to result in effects on benthic habitats of a similar nature to those associated with the Proposed Development	No	No	
267	Ireland	ORE Projects	321635	Arklow Energy Limited	Arklow Bank Wind Park Phase 1	https://www.planata.ie/en-uk/home/321635	100	Planning to Decommission	Tier 3	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - effects are expected to be limited in extent and therefore due to large distance between this project and the Oriel Wind Farm Project Proposed Development, there is no potential for cumulative effects	No	No	
269	Ireland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	https://www.maritimeregulator.ie/publications/lic230001/	16	Consented	Tier 1	Yes	Yes	02/08/2024	02/08/2031	x	✓	✓	Yes	No due to the very limited impacts on seabed both spatially and temporally	No	Yes	
270	Ireland	ORE Site Investigations	MUL230034	Codling Wind Park Limited (CWPL)	Survey mobilisations to inform the location and detailed design of the proposed Codling Wind Park OWF, export cable route, potential O&M base, and other associated works - Dublin to Wicklow	https://www.maritimeregulator.ie/publications/mul230034/	56	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
273	Ireland	Site Investigations	LIC230007	Dublin City Council	Environmental survey and ground investigation works in order to inform the design of proposed Point Bridge and Tom Clarke Widening Project - Dublin	https://www.maritimeregulator.ie/publications/lic230007/	55	MUL	Tier 1	Yes	Yes	25/06/2025	25/06/2026	x	x	x	No	No due to no temporal overlap	No	No	
276	Ireland	Site investigations	MUL240008	MaresConnect Ltd	Site investigation surveys to assess various factors associated with the interconnector project - Dublin	https://www.maritimeregulator.ie/publications/mul240008-2/	37	MUL	Tier 1	Yes	Yes	30/06/2025	30/06/2030	x	✓	x	Yes	No due to limited extent of impacts	No	No	
277	Ireland	Site Investigations	MUL240023	Iarnród Eireann	Geotechnical Investigation, Geophysical site investigation surveys, ecology and marine archaeology surveys to inform design options for the proposed East Coast Rail Infrastructure Protection Projects (ECRIPP) - Dublin to Wicklow	https://www.maritimeregulator.ie/publications/mul240023/	58	MUL	Tier 1	Yes	Yes	22/10/2025	22/10/2031	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
278	Ireland	Site Investigations	MUL240011	Bremore Ireland Port Designated Activity Company (BIPOAC)	Site investigations to inform the location and design of a proposed port infrastructure - Dublin and Meath	https://www.maritimeregulator.ie/publications/mul240011/	6	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to the very limited impacts on seabed both spatially and temporally	No	No	
285	Ireland	Site Investigations	MUL240010	EnGrid	Site Investigations to inform design and environmental assessment of Electrical Cable Circuit crossing Dublin Bay	https://www.maritimeregulator.ie/publications/ence-application-mul240010/	55	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
287	UK	Surface Infrastructure	PLATFORM	CHRYSAOR HOLDINGS	ACCOMMODATION PLATFORM AP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
288	UK	Surface Infrastructure	TERMINAL	unknown	BARROW-IN-FURNESS GAS TERMINAL	NSTA	188	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
289	UK	Surface Infrastructure	TERMINAL	unknown	BRAYMORE POINT	NSTA	22	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
290	UK	Surface Infrastructure	PLATFORM	HARBOUR ENERGY PLC	CALDER	NSTA	156	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
293	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	CENTRAL PRODUCTION PLTFM CPPI	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
294	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	CONVOY PLATFORM	NSTA	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
295	UK	Surface Infrastructure	TERMINAL	unknown	CORSEWALL POINT	NSTA	128	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
296	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	DOUGLAS DA	NSTA	167	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
297	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	DOUGLAS DP	NSTA	167	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
298	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	DOUGLAS DW	NSTA	167	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
299	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DP4 PLATFORM	NSTA	162	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
300	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DP5 PLATFORM	NSTA	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
301	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DP6 PLATFORM	NSTA	158	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
302	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DRILLING PLATFORM DP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
303	UK	Surface Infrastructure	TERMINAL	unknown	DUNROD POINT	NSTA	155	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
307	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	FLARE TRIPOD	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
308	UK	Surface Infrastructure	TERMINAL	unknown	GLEN MOGAN	NSTA	101	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
309	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	HAMILTON	NSTA	174	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
310	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	HAMILTON NORTH	NSTA	171	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
312	UK	Surface Infrastructure	TERMINAL	unknown	ISLAND MAGEE	NSTA	103	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
313	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	LENEXOW	NSTA	191	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
314	UK	Surface Infrastructure	BUOY	CEFAS	LIVERPOOL BAY BUOY: KFB 07/2012	NSTA	181	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
315	UK	Surface Infrastructure	BUOY	CEFAS	LIVERPOOL BAY SMART BUOY KFB02012 AREAS	NSTA	182	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
316	UK	Surface Infrastructure	TERMINAL	unknown	LOUGHRENNY	NSTA	36	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
317	UK	Surface Infrastructure	PLATFORM	HARBOUR ENERGY PLC	MILLOW WEST	NSTA	143	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
318	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	MILLOW WEST PLATFORM	NSTA	143	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
319	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	NORTH MORECAMBE PLATFORM	NSTA	155	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
320	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	NORTH MORECAMBE DP4	NSTA	155	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
321	UK	Surface Infrastructure	FPSO	ENI UK LIMITED	OSI (OFFSHORE STORAGE INST.)	NSTA	166	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
322	UK	Surface Infrastructure	TERMINAL	unknown	POINT OF AYR	NSTA	189	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
325	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE AP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
326	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
327	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP3	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	
328	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP5	NSTA	163	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No	

Other Development Details											Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within Zo?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023–2027)	Temporal overlap with operation (2028–2066)					
329	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP8	NST4	162	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No	
330	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP8	NST4	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No	
331	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP8	NST4	158	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No	
332	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE FL1	NST4	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No	
334	Ireland	Coastal Infrastructure	MAC20240007	Fingal County Council	Coastal Protection including Flood Embankment, Flood Wall and other works	https://www.marlineregulator.ie/it-acknowledgement-received	39	MAC Consent	Tier 2	Yes	Yes	28/07/2025	28/07/2080	*	✓	✓	Yes	No due to limited extent of impacts	No	No	
340	Ireland	Storm Outfall	MAC240028	Dublin City Council	Outfall at Sir John Rogerson's Quay as part of the Grand Canal Docks Storm Water Outfall Extension project	https://www.marlineregulator.ie/it-acknowledgement-received	55	MAC Consent (Application)	Tier 2	Yes	Yes	17/07/2025	14/07/2080	*	✓	✓	Yes	No due to limited extent of impacts	No	No	
342	Ireland	Recreation facility	MAC20230015	Dún Laoghaire - Rathdown County Council	Installation of Water Park, Dún Laoghaire Harbour	https://www.marlineregulator.ie/it-acknowledgement-received	61	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No	
352	Ireland	Aquaculture	MUL230032	University College Dublin	Introduction of Native Oysters to nearshore sites with eco-engineered habitat units, Dublin Coast	https://www.marlineregulator.ie/it-acknowledgement-received	50	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No	
353	Ireland	Research	MUL240004	Dublin City University	Deployment of Research Buoy, Dún Laoghaire Coast	https://www.marlineregulator.ie/it-acknowledgement-received	62	MUL (Withdrawn)	Tier 1	Yes	Yes	Unknown	Unknown	*	*	*	No	No due to no temporal overlap	No	No	
355	N.Ireland	Research	ML2024031	DAERA, Marine conservation Reporting	Elasmobranch Acoustic Monitoring Project	https://www.daera.gov.uk/infrastructure/elasmobranch-acoustic-monitoring-project-ml2024031	23	Consented	Tier 1	Yes	Yes	07/06/2025	31/05/2028	*	*	*	No	No due to no temporal overlap	No	No	
356	Ireland	Farm	IE_0172	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
357	Ireland	Farm	IE_1092	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
358	Ireland	Farm	IE_1031	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
359	Ireland	Farm	IE_1118	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
360	Ireland	Farm	IE_1050	Oysters	-	EMODnet	7	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
361	Ireland	Farm	IE_1063	Mussels	-	EMODnet	14	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
362	Ireland	Farm	IE_1068	Mussels	-	EMODnet	15	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
363	Ireland	Farm	IE_1071	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
364	Ireland	Farm	IE_0629	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
365	Ireland	Farm	IE_0655	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
366	Ireland	Farm	IE_0656	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
367	Ireland	Farm	IE_0657	Mussels	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
368	Ireland	Farm	IE_0654	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
369	Ireland	Farm	IE_0927	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
370	Ireland	Farm	IE_0674	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
371	Ireland	Farm	IE_0639	Mussels	-	EMODnet	17	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
372	Ireland	Farm	IE_0399	Oysters, Clams	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
373	Ireland	Farm	IE_0398	Oysters, Clams	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	

Other Development Details										Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within 20?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4	
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2027)	Temporal overlap with operation (2028-2066)					
374	Ireland	Farm	IE_0949	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
375	Ireland	Farm	IE_0961	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
376	Ireland	Farm	IE_0503	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
377	Ireland	Farm	IE_0504	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
378	Ireland	Farm	IE_0490	Oysters,Clams	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
379	Ireland	Farm	IE_0491	Oysters,Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
380	Ireland	Farm	IE_0964	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
381	Ireland	Farm	IE_0495	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
382	Ireland	Farm	IE_0969	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
383	Ireland	Farm	IE_0483	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
384	Ireland	Farm	IE_0484	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
385	Ireland	Farm	IE_0485	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
386	Ireland	Farm	IE_0481	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
387	Ireland	Farm	IE_0489	Oysters,Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
388	Ireland	Farm	IE_0173	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
389	Ireland	Farm	IE_1094	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
390	Ireland	Farm	IE_0276	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
391	Ireland	Farm	IE_0277	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - the nature of these activities (stationary and intermittent) as well as the limited extent of the impact will not result in a cumulative impact with the fish and shellfish receptors.	No	No	
The following have been updated since the initial search.																					
392	Ireland	Cables	MAC240013	ESB	Replacement of high voltage underground cables (North Wall to Poolbeg, Dublin)	https://www.marlineregulator.ie/o-ur-work/maritime-area-consents/mar-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*		✓	✓	Yes	No due to limited extent of impacts	No	No
393	Ireland	Road Infrastructure	MAC20230034	NTA	Proposed road development as part of Ringsend to City Centre Core Bus Corridor Scheme (Ringsend to City Centre)	https://www.marlineregulator.ie/o-ur-work/maritime-area-consents/mar-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*		✓	✓	Yes	No due to limited extent of impacts	No	No
395	Ireland	Cables	MAC240061	ESB	Installation of an electrical transmission circuit including submarine cabling within the near-shore area, between Blackrock and Shellybanks, Dublin Bay	https://www.marlineregulator.ie/o-ur-work/maritime-area-consents/mar-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*		✓	✓	Yes	No due to limited extent of impacts	No	No

Other Development Details											Stage 1		Stage 2							
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within 20?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023–2027)	Temporal overlap with operation (2028–2066)				
396	Ireland	Bridge Infrastructure	MAC240014	Dublin City Council	Construction of a pedestrian and cyclist bridge (Point Bridge) to the west of Tom Clarke Bridge, widening of Tom Clarke Bridge, dismantling of existing and construction of a new control room building, dismantling of existing vessel collision structures and construction of new vessel collision structures to the west of the proposed Point Bridge.	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	55	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
397	Ireland	Coastal Infrastructure	MAC20230009	Iarnród Éireann (IE)	Coastal Protection (Merion Gates to Seapoint Beach, Dublin)	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
398	Ireland	Coastal Infrastructure	MAC250028	Iarnród Éireann (IE)	Coastal Protection (Whitbrook Beach to South Kilbrey, Dublin)	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
399	Ireland	Coastal Infrastructure	MAC250029	Iarnród Éireann (IE)	Coastal Protection (Bray Head to Greystone North Beach, Wicklow)	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
400	Ireland	Coastal Infrastructure	MAC250030	Iarnród Éireann (IE)	Coastal Protection (Kilcock to Newcastle, Wicklow)	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
401	Ireland	Coastal Infrastructure	MAC250031	Iarnród Éireann (IE)	Coastal Protection (Newcastle to Wicklow Murrough, Wicklow)	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
403	Ireland	Coastal Infrastructure	MAC250027	Laoghaire Rathdown County Co	Regularisation of pre-existing Portlowns (Dún Laoghaire, Dublin)	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	61	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
404	Ireland	Bridge Infrastructure	MAC240051	Iarnród Éireann	The construction of a pedestrian and cyclist bridge and a riverside boardwalk (Heuston Station)	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
407	Ireland	Research	MUL240028	University College Cork	To co-deploy passive acoustic monitoring devices ("acoustic receivers") in the western Irish Sea and southern Celtic Sea on existing Commission of Irish Lights (CIL) infrastructure to identify the broad scale movements of electronically tagged elasmobranchs (sharks, skates and rays).	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	>100	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
409	Ireland	Site Investigations	MUL250003	Laoghaire Rathdown County Co	Marine environmental surveys for the purposes of site investigation – to undertake a suite of marine site investigation activities to assess the feasibility of potential future dredging within the harbour	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	62	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No
410	Ireland	Site Investigations	MUL250013	Uisce Éireann	Greater Dublin Drainage Project (Baldylee Bay and the Irish Sea)	https://www.maritimeregulator.ie/ir-work/maritime-area-consents/mac-applications-received/	>55	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No due to limited extent of impacts	No	No

Other Development Details										Stage 1			Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/2023-2024)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/temporal overlap with Project				Further Consideration required because of potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 14	
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (03-2023-2023-2024)	Temporal overlap with operation (2023-2024)						
88	United Kingdom	Deposit Site	IS043	Holyhead North	Unknown	EMODnet	102	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
89	United Kingdom	Deposit Site	IS065	Conwy	Unknown	EMODnet	161	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
90	United Kingdom	Deposit Site	IS102	Mostyn Deep (maintenance)	Unknown	EMODnet	192	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
91	United Kingdom	Deposit Site	IS110	Mersey (garston site)	Unknown	EMODnet	216	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
92	United Kingdom	Deposit Site	IS140	Site Z	Unknown	EMODnet	185	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
93	United Kingdom	Deposit Site	IS170	Morecambe Bay Lure Deep	Unknown	EMODnet	194	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
94	United Kingdom	Deposit Site	IS192	Lune River B	Unknown	EMODnet	208	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
95	United Kingdom	Deposit Site	IS200	Morecambe Bay B	Unknown	EMODnet	196	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
96	United Kingdom	Deposit Site	IS205	Barrow D	Unknown	EMODnet	185	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
97	United Kingdom	Deposit Site	IS241	Workington Anchorage	Unknown	EMODnet	178	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
98	United Kingdom	Deposit Site	IS251	Silloth B	Unknown	EMODnet	198	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
99	United Kingdom	Deposit Site	IS291	Belfast Dredgings C	Unknown	EMODnet	97	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No - no likely receptor-impact pathway, and substantial distance from the Planning Application	No	No		
111	Ireland	Dredging	S0033-01	Dublin Port Company	Dublin Harbour Capital Dredging Project	https://seawatchpage.gov.ie/terms-and-conditions/Bour/Dub/DubS-View.asp?Report=S0033-01	58	Consented	Tier 1	Yes	Yes	17/12/2024	31/03/2030	*	✓	✓	Yes	No - no potential for receptor-impact pathway	N/A	No		
112	Ireland	Dredging	S0037-01	Wicklow County Council	Maintenance dredging of Wicklow Port	https://seawatchpage.gov.ie/terms-and-conditions/Bour/Dub/DubS-View.asp?Report=S0037-01	115	Planning (Applied 19/04/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway	N/A	No		
113	Ireland	Dredging	S0038-01	Dublin Port Company	Capital Dredging for 3FM Project	https://seawatchpage.gov.ie/terms-and-conditions/Bour/Dub/DubS-View.asp?Report=S0038-01	58	Planning (Applied 1/20/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway	N/A	No		
116	N.Ireland	Marine Disposal	ML2023040	Warrenpoint Harbour	Sea disposal of dredging material from Warrenpoint Harbour	https://www.dema.gov.uk/publications/marine-disposal/ml2023040-sea-disposal-warrenpoint-harbour	6	Consented	Tier 1	Yes	Yes	27/03/2024	26/03/2027	*	*	*	Yes	No - no temporal overlap	N/A	No		
125	Ireland	Navigational dredging (maintenance)	MUL230026	Wicklow County Council	Maintenance dredging of the navigation channel, turning basin and berths within Wicklow Port -	https://www.marlinregulator.ie/applications/ml230026/	96	MIL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway	No	No		
130	United Kingdom	Dredging Point	786	Castletown Bay, Isle of Man	Celtic Sea	EMODnet	92	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No potential for receptor-impact pathway	No	No		
137	United Kingdom	Dredging Point	809	Kilkeel	Celtic Sea	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No potential for receptor-impact pathway	No	No		
138	United Kingdom	Dredging Point	811	Lagan River/Belfast Lough	Celtic Sea	EMODnet	78	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No potential for receptor-impact pathway	No	No		
152	United Kingdom	Dredging Point	834	Peel Harbour site of Man	Celtic Sea	EMODnet	83	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No potential for receptor-impact pathway	No	No		
164	United Kingdom	Dredging Point	838	Port St. Mary, Isle of Man	Celtic Sea	EMODnet	78	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No potential for receptor-impact pathway	No	No		
168	Wales	Deposit and Removal	CML2312	Robert Wynn & Sons Ltd	Beach landing at Black Rock Sands	NRW	164	Unknown	Tier 1	Yes	Yes	06/04/2023	Unknown	*	Unknown	Unknown	Yes	No - no potential for receptor-impact pathway	No	No		
169	Wales	Removal	CML2331	MarsaConnect Ltd	Interconnector Beached Sludge	NRW	59	Unknown	Tier 1	Yes	Yes	12/10/2023	31/12/2025	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
170	Wales	Construction, Deposit, Removal	CML2332	Gwynedd Council	Repair of sea wall, erect floodgate and install new drainage network	NRW	186	Unknown	Tier 1	Yes	Yes	27/02/2024	01/04/2026	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
172	Wales	Construction, Deposit, Removal	CML2339	Arncliffe Water Services (Estates) Ltd	RAF Valley Tidal Flap	NRW	122	Unknown	Tier 1	Yes	Yes	27/09/2023	01/09/2028	*	✓	✓	Yes	No - Coastal construction project (no piling). Limited extent of impacts and distance from Oriel, therefore no potential for receptor-impact pathway	No	No		
173	Wales	Construction, Deposit, Removal	CML2339	Arncliffe Water Services (Estates) Ltd	RAF Valley Tidal Flap	NRW	122	Unknown	Tier 1	Yes	Yes	28/09/2023	01/09/2028	*	*	*	Yes	No - no potential for receptor-impact pathway	No	No		
174	Wales	Construction, Deposit, Removal	CML2339	Arncliffe Water Services (Estates) Ltd	RAF Valley Tidal Flap	NRW	123	Unknown	Tier 1	Yes	Yes	29/09/2023	01/09/2028	*	*	*	Yes	No - no potential for receptor-impact pathway	No	No		
178	Wales	Construction and Deposit	CML2350	Liverpool Bay CCS Limited	Trenchless crossing of the River Dee in relation to HyNet	NRW	218	Unknown	Tier 1	Yes	Yes	24/04/2024	31/12/2032	*	✓	✓	Yes	Deposit/Coastal construction project no piling outside of 50km. No potential for cumulative effects for marine mammals	No	No		
179	Wales	Construction	CML2356	Morgan Sindall Construction and Infrastructure Ltd	Sewer reinstallation and infrastructure Ltd	NRW	147	Unknown	Tier 1	Yes	Yes	23/11/2023	22/11/2024	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
180	Wales	Construction	CML2359	MPH Construction Ltd	Alon Wen Street Pile Repairs	NRW	159	Unknown	Tier 1	Yes	Yes	18/04/2024	17/04/2025	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
181	Wales	Construction	CML2370	Conwy County Borough Council	Total Valve replacement	NRW	161	Unknown	Tier 1	Yes	Yes	15/02/2024	14/02/2025	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
182	Wales	Construction	CML2371	Conwy County Borough Council	Morfa Drive Total Flap Valve Replacement	NRW	161	Unknown	Tier 1	Yes	Yes	16/02/2024	15/02/2025	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
183	Wales	Construction	CML2371	Conwy County Borough Council	Morfa Drive Total Flap Valve Replacement	NRW	161	Unknown	Tier 1	Yes	Yes	16/02/2024	15/02/2025	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
184	Wales	Removal	CML2373	North Wales Wildlife Trust	Spinnies Abergwynn Outfall Clearance	NRW	159	Unknown	Tier 1	Yes	Yes	05/02/2024	28/02/2025	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
185	Wales	Construction	CML2374	Bangor City Council	Bangor Pier Refurbishment	NRW	147	Unknown	Tier 1	Yes	Yes	07/05/2024	31/03/2026	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
186	Wales	Construction	CML2374	Bangor City Council	Bangor Pier Refurbishment	NRW	146	Unknown	Tier 1	Yes	Yes	07/05/2024	31/03/2026	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
190	Wales	Construction	CML2407	Christopher L Blackham	Replacement of existing sea wall with new precast concrete construction and remedial works to sea defences concrete defences	NRW	146	Unknown	Tier 1	Yes	Yes	26/06/2024	01/08/2025	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
194	Wales	Construction	CML2427	Eric Wright Water Limited	Installation of Pipework at Beach Road Sewage Pumping Station	NRW	147	Unknown	Tier 1	Yes	Yes	26/06/2024	30/05/2025	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
199	Wales	Construction	CML2437	MPH Construction Ltd	Replacement of Permanent Total Flaps	NRW	157	Unknown	Tier 1	Yes	Yes	01/10/2025	30/11/2024	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
200	Wales	Construction	CML2463	MPH Construction Ltd	Replacement of Permanent Total Flaps	NRW	194	Unknown	Tier 1	Yes	Yes	05/10/2024	01/10/2025	*	*	*	No	No - no potential for receptor-impact pathway	N/A	No		
208	Wales	Deposit	DEM2364	ErGrid PLC	East West Interconnector remedial works	NRW	71	Unknown	Tier 1	Yes	Yes	31/01/2024	30/06/2025	*	*	*	No	N/A	N/A	No		
209	Wales	Deposit	DEM2375	Gwynedd Council	beach management	NRW	190	Unknown	Tier 1	Yes	Yes	11/04/2024	10/04/2029	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway)	N/A	No		
210	Wales	Deposit	DEM2406	The Crown Estate	Cable Percussive exploratory Borehole at Beach Road Pumping Station	NRW	280	Unknown	Tier 1	Yes	Yes	23/04/2024	25/06/2025	*	*	*	No	N/A	N/A	No		
218	Wales	Removal	RML2363	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR1	NRW	147	Unknown	Tier 1	Yes	Yes	04/12/2023	10/11/2024	*	*	*	No	N/A	N/A	No		
223	Wales	Removal	RML2412	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR1	NRW	100	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No		
224	Wales	Removal	RML2412	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR1	NRW	79	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No		
225	Wales	Removal	RML2413	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR2	NRW	88	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No		
226	Wales	Removal	RML2413	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR2	NRW	63	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No		
237	Wales	Removal	RML2444	Mona Offshore Wind Limited	Mona Offshore Wind Farm 2024 Deep Geotechnical Survey	NRW	130	Unknown	Tier 1	Yes	Yes	18/09/2024	17/09/2025	*	*	*	No	N/A	N/A	No		

Other Development Details											Stage 1			Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/2023-2027)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/Temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 14		
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2028-2029)	Temporal overlap with operation (2028-2039)							
239	Wales	Construction	CML 1843	NRW	Repair and improve sea defence revetment	NRW	188	Unknown	Tier 1	Yes	Yes	06/02/2019	31/12/2054	x	✓	✓	Yes	No. Coastal construction project (no piling). Limited extent of impacts therefore no potential for receptor-impact pathway	N/A	No			
240	Ireland	Port/Marine Infrastructure	314487	Minister for Agriculture, Food and the Marine	Dredging of harbour, reclamation of land, construction of slipway, embankment and rock armour - Howth Fishery Harbour Centre	https://www.gov.ie/en/consultations/aided-howth-harbour-centre/	51	Consented (30/07/2024)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - no potential for receptor-impact pathway	N/A	No			
241	Ireland	Port/Marine Infrastructure	320250	Dublin Port Company	JFM Project - Construction of Lo-Lo container terminal, Ro-Ro height terminal and other work	https://www.dublinport.ie/strategy-plan/2019/	54	Planning (Applied on 23/07/2024)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Port construction project (no piling). Limited extent of impacts therefore no potential for receptor-impact pathway	N/A	No			
243	Ireland	Port/Marine Infrastructure	MAC20230012	Kesh Offshore Wind Limited & Bray Offshore Wind Limited	ORE O&M facility in St. Michael's Pier, Dun Laoghaire Harbour	https://www.marlinemregulator.ie/ais-content/uploads/2024/12/MAC24030012-Amendment_A_redacted.pdf	61	Consented	Tier 2	Yes	Yes	30/10/2024	30/10/2069	x	✓	✓	Yes	No. Harbour construction project (no piling). Limited extent of impacts therefore no potential for receptor-impact pathway	N/A	No			
244	Ireland	Port/Marine Infrastructure	MAC20230005	Iarnród Éireann/Irish Rail	ORE O&M facility in Rosslare Europort	https://www.marlinemregulator.ie/ais-content/uploads/2024/12/MAC24030005-Amendment_A_redacted.pdf	> 100	MAC Consent	Tier 2	Yes	Yes	02/07/2025	02/07/2085	x	✓	✓	Yes	Not enough data. Port/marine infrastructure project outside of 50km not likely to be potential for cumulative effects for marine mammals	N/A	No			
245	Ireland	Port/Marine Infrastructure	MAC240020	Dun Laoghaire Rathdown County Council, Kesh Offshore Wind Limited, Bray Offshore Wind Limited	ORE O&M Facility and additional works for Dublin Array Offshore Wind Farm at Dun Laoghaire Harbour	https://www.marlinemregulator.ie/ais-content/uploads/2024/12/MAC24030020-Amendment_A_redacted.pdf	61	Consented	Tier 2	Yes	Yes	12/11/2024	12/11/2069	x	✓	✓	Yes	No. Port construction project (no piling). Limited extent of impacts therefore no potential for receptor-impact pathway	N/A	No			
246	N.Ireland	Marine Construction	ML2022003	Louth County Council	Narrow Water Bridge Project	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2022003-narrow-water-bridge-project	21	Consented	Tier 1	Yes	Yes	29/03/2024	28/03/2027	x	x	x	No	No temporal overlap	N/A	No			
248	N.Ireland	Marine Construction	ML2023029	North Channel Wind Limited	Marine Surveys to inform location and design of offshore windfarm and cable route	https://www.dema-ni.gov.uk/publications/m2023029-marine-construction-licence-uk-shetland-marine-surveys-north-channel-wind-farm	101	Consented	Tier 1	Yes	Yes	01/04/2025	01/04/2028	x	x	x	No	No temporal overlap	N/A	No			
249	N.Ireland	Marine Construction	ML2024009	TLHC Limited	Ground survey work to inform a project interconnector between NI and Scotland	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2024009-tlhc-limited	88	Consented	Tier 1	Yes	Yes	22/01/2025	22/01/2028	x	x	x	No	No temporal overlap	N/A	No			
250	N.Ireland	Marine Construction	ML2024011	Northern Ireland Water	Newcastle Central Promenade	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2024011-newcastle-central-promenade	30	Consented	Tier 1	Yes	Yes	11/11/2024	11/11/2025	x	x	x	No	No temporal overlap	N/A	No			
252	N.Ireland	Marine Construction	ML2024027	Translink NIR	Improve Sea defences in Carrickfergus	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2024027-translink-sea-defences-carrickfergus	88	Consented	Tier 1	Yes	Yes	08/04/2025	07/04/2028	x	x	x	No	No temporal overlap	N/A	No			
253	N.Ireland	Marine Construction	ML2024030	Bangor Marine Limited	Construction of outfall pipe for storm drainage in Bangor Marina	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2024030-bangor-marine-outfall-pipe	84	Consented	Tier 1	Yes	Yes	24/03/2025	23/03/2028	x	x	x	No	No temporal overlap	N/A	No			
254	Ireland	Water Pipeline Projects	MAC20240008	Uisce Éireann	Upgrade of Water Main Infrastructure beneath River Boyne, Drogheda, Louth	https://www.marlinemregulator.ie/ais-content/uploads/2024/12/m20240008-water-main-infrastructure-beneath-river-boyne-drogheda-louth	14	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Located in River Boyne, no potential for receptor-impact pathway.	N/A	No			
257	UK	ORE Projects - Windfarm Cables	-	North Hoyle Wind Farm Limited	North Hoyle	https://www.marlinemregulator.ie/ais-content/uploads/2024/12/m20190001-north-hoyle	179	Operational	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - operational project therefore considered as part of the baseline	N/A	No			
258	UK	ORE Projects - Windfarm Cables	-	Rhyl Flats Wind Farm Limited	Rhyl Flats	https://www.marlinemregulator.ie/ais-content/uploads/2024/12/m20190002-rhyl-flats	167	Operational	Tier 1	Yes	Yes	Production began 02/2011	Estimated site life 2031 to 2061	x	✓	✓	Yes	No - operational project therefore considered as part of the baseline	N/A	No			
259	UK	ORE Projects - Windfarm Cables	-	Awel Y Mor Offshore Wind Farm Limited	Awel Y Mor OFTO	TCE	161	Consented	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - no potential for receptor-impact pathway	N/A	No			
260	UK	ORE Projects - Windfarm Cables	-	Awel Y Mor Offshore Wind Farm Limited	Awel Y Mor OWF Cable Crossing	TCE	162	Consented	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - no potential for receptor-impact pathway	N/A	No			
267	Ireland	ORE Projects	321835	Akrow Energy Limited	Akrow Bank Wind Farm Phase1	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m20190003-akrow-bank-wind-farm	100	Planning to Decommission	Tier 3	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Screened out based on low data confidence	N/A	No			
269	Ireland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NSA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	https://www.marlinemregulator.ie/applications/m230001/	16	MUL	Tier 1	Yes	Yes	02/08/2024	02/08/2031	x	✓	✓	Yes	Yes		Yes			
270	Ireland	ORE Site investigations	MUL230034	Codling Wind Park Limited (CWPL)	Survey mobilisations to inform the location and detailed design of the proposed Codling Wind Park OWF, export cable route, potential O&M base, and other associated works Dublin to Wicklow	https://www.marlinemregulator.ie/applications/m230034/	56	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Yes	Likely no change to magnitude of impacts - for site investigation surveys, the impact assessment assumes two additional surveys taking place alongside Oriel SI. Will need to identify those new SI surveys though, and then conclude no difference based on the approach of the max 2 additional SI surveys.	Yes			
273	Ireland	Site Investigations	LIC230007	Dublin City Council	Environmental survey and ground investigation works in order to inform the design of proposed Punt Bridge and Tom Clarke Widening Project - Dublin	https://www.marlinemregulator.ie/applications/m230007/	55	MUL	Tier 1	Yes	Yes	25/06/2025	25/06/2027	x	x	x	No	No temporal overlap	N/A	No			
276	Ireland	Site investigations	MUL240008	MaresConnect Ltd	Site investigation surveys to assess various factors associated with the interconnector project - Dublin	https://www.marlinemregulator.ie/applications/m240008/	37	MUL	Tier 1	Yes	Yes	30/06/25	30/06/2030	x	✓	✓	Yes	Yes	Likely no change to magnitude of impacts - for site investigation surveys, the impact assessment assumes two additional surveys taking place alongside Oriel SI. Will need to identify those new SI surveys though, and then conclude no difference based on the approach of the max 2 additional SI surveys.	Yes			
277	Ireland	Site Investigations	MUL240023	Iarnród Éireann	Geotechnical Investigation, Geophysical site investigation surveys, ecology and marine archaeology surveys to inform design options for the proposed East Coast Rail Infrastructure Protection Projects (ECRIPP) Dublin to Wicklow	https://www.marlinemregulator.ie/applications/m240023/	58	MUL	Tier 1	Yes	Yes	22/10/2025	22/10/2031	x	✓	✓	Yes	Yes	Likely no change to magnitude of impacts - for site investigation surveys, the impact assessment assumes two additional surveys taking place alongside Oriel SI. Will need to identify those new SI surveys though, and then conclude no difference based on the approach of the max 2 additional SI surveys.	Yes			
278	Ireland	Site Investigations	MUL240011	Bremore Island Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure, Dublin and Meath	https://www.marlinemregulator.ie/applications/m240011/	6	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Yes	Likely no change to magnitude of impacts - for site investigation surveys, the impact assessment assumes two additional surveys taking place alongside Oriel SI. Will need to identify those new SI surveys though, and then conclude no difference based on the approach of the max 2 additional SI surveys.	Yes			
285	Ireland	Site Investigations	MUL240010	ErGrid	Site Investigations to inform design and environmental assessment of Electrical Cable Circuit crossing Dublin Bay	https://www.marlinemregulator.ie/applications/m240010/	55	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Yes	Likely no change to magnitude of impacts - for site investigation surveys, the impact assessment assumes two additional surveys taking place alongside Oriel SI. Will need to identify those new SI surveys though, and then conclude no difference based on the approach of the max 2 additional SI surveys.	Yes			
287	UK	Surface Infrastructure	PLATFORM	CHRYSAOR HOLDINGS	ACCOMMODATION PLATFORM AP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway)	N/A	No			
288	UK	Surface Infrastructure	TERMINAL	unknown	BARROW-IN-FURNESS GAS TERMINAL	NSTA	188	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - no potential for receptor-impact pathway	N/A	No			

Other Development Details											Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/2023-2027)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatiotemporal overlap with Project			Further Consideration required because potential for spatiotemporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 14		
												Start date	Licence Expiry Date	Overlap with Planning Application Boundary	Temporal overlap with construction (03-2025-2025)	Temporal overlap with operation (2025-2028)						
289	UK	Surface Infrastructure	TERMINAL	unknown	BRAYMORE POINT	NSTA	22	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - terrestrial terminal. No potential for receptor-impact pathway.	N/A	No		
290	UK	Surface Infrastructure	PLATFORM	HARBOUR ENERGY PLC	CALDER	NSTA	156	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
291	UK	Surface Infrastructure	BUOY	CEFAS	CELTIC DEEP GUARD BUOY KF20/2012 AREAS	NSTA	301	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
293	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	CENTRAL PRODUCTION PLTFM CPP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
294	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	CONVY PLATFORM	NSTA	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
295	UK	Surface Infrastructure	TERMINAL	unknown	CORSEWALL POINT	NSTA	128	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
296	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	DOUGLAS DA	NSTA	167	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
297	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	DOUGLAS DP	NSTA	167	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
298	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	DOUGLAS DW	NSTA	167	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
299	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DP4 PLATFORM	NSTA	162	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
300	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DP6 PLATFORM	NSTA	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
301	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DP8 PLATFORM	NSTA	158	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
302	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DRILLING PLATFORM DP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
303	UK	Surface Infrastructure	TERMINAL	unknown	DUNROD POINT	NSTA	156	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
307	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	FLARE TRIPOD	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
308	UK	Surface Infrastructure	TERMINAL	unknown	GLEN MOGAN	NSTA	101	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
309	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	HAMILTON	NSTA	174	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
310	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	HAMILTON NORTH	NSTA	171	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
312	UK	Surface Infrastructure	TERMINAL	unknown	ISLAND MAGEE	NSTA	103	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
313	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	LENNOX	NSTA	191	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
314	UK	Surface Infrastructure	BUOY	CEFAS	LIVERPOOL BAY BUOY: KF3/02012	NSTA	181	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
315	UK	Surface Infrastructure	BUOY	CEFAS	LIVERPOOL BAY SMART BUOY KF20/2012 AREAS	NSTA	182	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
316	UK	Surface Infrastructure	TERMINAL	unknown	LOUGHSHANNY	NSTA	36	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - terrestrial terminal. No potential for receptor-impact pathway.	N/A	No		
317	UK	Surface Infrastructure	PLATFORM	HARBOUR ENERGY PLC	MILLOM WEST	NSTA	143	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
318	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	MILLOM WEST PLATFORM	NSTA	143	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
319	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	NORTH MORECAMBE PLATFORM	NSTA	155	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
320	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	NORTH MORECAMBE DP9A	NSTA	155	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
321	UK	Surface Infrastructure	FP50	ENI UK LIMITED	OSI (OFFSHORE STORAGE INST.)	NSTA	166	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Screened out based on low data confidence (and likelihood of no receptor-impact pathway).	N/A	No		
322	UK	Surface Infrastructure	TERMINAL	unknown	POINT OF AYR	NSTA	189	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
325	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE AP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
326	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE CPP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
327	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
328	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP3	NSTA	163	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
329	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP4	NSTA	162	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
330	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP6	NSTA	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
331	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP8	NSTA	158	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
332	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE FL1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
334	Ireland	Coastal Infrastructure	MAC20240007	Fingal County Council	Coastal Protection including Flood Embankment, Flood Wall and other works	https://www.marlinregulator.ie/wp-content/uploads/2025/07/20250720_MAC20240007_main%20plan.pdf	39	MAC Consent	Tier 2	Yes	Yes	28/07/2025	28/07/2080	*	✓	✓	Yes	No. Low data confidence - screened out.	N/A	No		
340	Ireland	Storm Outfall	MAC240028	Dublin City Council	Outfall at Sir John Rogerson's Quay as part of the Grand Canal Docks Storm Water Outfall Extension project	https://www.marlinregulator.ie/wp-content/uploads/2025/07/MAC240028-Reported.pdf	55	MAC Consent	Tier 2	Yes	Yes	17/07/2025	14/07/2080	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
342	Ireland	Recreation facility	MAC20230015	Dún Laoghaire - Rathdown County Council	Installation of Water Park, Dún Laoghaire Harbour	https://www.marlinregulator.ie/wp-content/uploads/2025/07/MAC20230015-Reported.pdf	61	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
350	Ireland	Research	MUL240026	Uisce Éireann	Strategic Modelling study of water currents and bathymetry, Southeast Coast of Ireland (Wexford, Waterford)	https://www.marlinregulator.ie/applications/mul240026/	> 100	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Yes	Likely no change to magnitude of impacts - for site investigation surveys, the impact assessment assumes two additional surveys taking place alongside Oriel SI. Will need to identify those new SI surveys though, and then conclude no difference based on the approach of the max 2 additional SI surveys.	Yes		
352	Ireland	Aquaculture	MUL230032	University College Dublin	Introduction of Native Oysters to nearshore sites with eco-engineered habitat units, Dublin Coast	https://www.marlinregulator.ie/applications/mul230032/	50	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway.	N/A	No		
353	Ireland	Research	MUL240004	Dublin City University	Deployment of Research Buoy, Dún Laoghaire Coast	https://www.marlinregulator.ie/applications/mul240004/	62	Withdrawn-MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	*	*	No	No temporal overlap	N/A	No		
355	N.Ireland	Research	ML2024031	DAERA Marine conservation Reporting	Eisinnbranch Acoustic Monitoring Project	https://www.marlinregulator.ie/applications/ml2024031/	23	Consented	Tier 1	Yes	Yes	07/06/2025	31/05/2028	*	*	*	No	No temporal overlap	N/A	No		
356	Ireland	Farm	IE_0172	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - no potential for receptor-impact pathway.	N/A	No		
357	Ireland	Farm	IE_1062	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - no potential for receptor-impact pathway.	N/A	No		
358	Ireland	Farm	IE_1031	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No - no potential for receptor-impact pathway.	N/A	No		

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Other Development Details										Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/03/2025-2027)	Tier	Within ZOI?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2028-2029)	Temporal overlap with operation (2028-2039)					
407	Ireland	Research	MUL240028	University College Cork	To co-deploy passive acoustic monitoring devices ("acoustic receivers") in the western Irish Sea and southern Celtic Sea on existing Commission of Irish Lights (CIL) infrastructure to identify the broad scale movements of electronically tagged elasmobranchs (sharks, skates and rays).	https://www.marlineregulator.ie/applications/mu240028/	>100	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - no potential for receptor-impact pathway	No	No	
409	Ireland	Site Investigations	MUL250003	Dún Laoghaire Rathdown County Council	Marine environmental surveys for the purposes of site investigation – to undertake a suite of marine site investigation activities to assess the feasibility of potential future dredging within the harbour.	https://www.marlineregulator.ie/applications/licence-application-mu250003/	62	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - no potential for receptor-impact pathway	No	No	
410	Ireland	Site Investigations	MUL250013	Uisce Éireann	Greater Dublin Drainage Project (Baldylee Bay and the Irish Sea)	https://www.marlineregulator.ie/applications/mu250013/	>55	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No - no potential for receptor-impact pathway	No	No	
412	Isle of Man	ORE Projects - Windfarm	-	Orsted	Moov Vætern	https://orsted.im/moovvaern/	>160 km	Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Yes	No	Yes	

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/Temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025)	Temporal overlap with operation (2025-2065)				
88	United Kingdom	Disposal Site	IS043	Holyhead North	Unknown	EMODnet	102	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
89	United Kingdom	Disposal Site	IS065	Conwy	Unknown	EMODnet	161	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
90	United Kingdom	Disposal Site	IS102	Mostyn Deep (maintenance)	Unknown	EMODnet	192	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
91	United Kingdom	Disposal Site	IS110	Mersey (ganton site)	Unknown	EMODnet	216	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
92	United Kingdom	Disposal Site	IS140	Site Z	Unknown	EMODnet	185	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
93	United Kingdom	Disposal Site	IS170	Morecambe Bay; Lune Deep	Unknown	EMODnet	194	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
94	United Kingdom	Disposal Site	IS192	Lune River B	Unknown	EMODnet	208	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
95	United Kingdom	Disposal Site	IS200	Morecambe Bay B	Unknown	EMODnet	196	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
96	United Kingdom	Disposal Site	IS205	Barrow D	Unknown	EMODnet	185	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
97	United Kingdom	Disposal Site	IS241	Workington Anchorage	Unknown	EMODnet	178	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
98	United Kingdom	Disposal Site	IS251	Silloth B	Unknown	EMODnet	198	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
99	United Kingdom	Disposal Site	IS591	Belfast Dredgings C	Unknown	EMODnet	97	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
101	United Kingdom	Disposal Site	LU010	Padstow Bay	Unknown	EMODnet	371	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
102	United Kingdom	Disposal Site	LU070	Portlaoise	Unknown	EMODnet	346	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
103	United Kingdom	Disposal Site	LU080	Avonmouth (inner)	Unknown	EMODnet	347	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
104	United Kingdom	Disposal Site	LU110	Cardiff Grounds	Unknown	EMODnet	337	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
105	United Kingdom	Disposal Site	LU115	Merkur Buoy	Unknown	EMODnet	340	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
106	United Kingdom	Disposal Site	LU130	Swansea Bay (outer)	Unknown	EMODnet	300	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
107	United Kingdom	Disposal Site	LU140	Newport	Unknown	EMODnet	338	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
108	United Kingdom	Disposal Site	LU190	Neyland (off Milford Haven)	Unknown	EMODnet	254	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
109	United Kingdom	Disposal Site	MA545	Portlewart Bay B	Unknown	EMODnet	154	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
110	United Kingdom	Disposal Site	MA581	Carnlough A	Unknown	EMODnet	117	Unknown	Tier 1	Yes	Yes	Unknown	*	Unknown	Unknown	Yes	Disposal site, not relevant to offshore ornithology	No	No	
111	Ireland	Dredging	S0033-01	Dublin Port Company	Dublin Harbour Capital Dredging Project	https://www.dubai.ie/infrastructure/s0033-01	58	Consented	Tier 1	Yes	Yes	17/12/2024	31/03/2030	*	✓	✓	Near-shore dredging not relevant to offshore ornithology	No	No	
112	Ireland	Dredging	S0037-01	Wicklow County Council	Maintenance dredging of Wicklow Port	https://www.wicklow.ie/infrastructure/s0037-01	115	Planning (Applied 19/04/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Near-shore dredging not relevant to offshore ornithology	No	No	
113	Ireland	Dredging	S0038-01	Dublin Port Company	Capital Dredging for 3FM Project	https://www.dubai.ie/infrastructure/s0038-01	58	Planning (Applied 11/20/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Near-shore dredging not relevant to offshore ornithology	No	No	
114	Ireland	Dredging	S0039-01	Port of Cork Company	Dredging as part of Quay at Ringaskiddy West	https://www.portofcork.ie/infrastructure/s0039-01	> 100	Planning (Applied 17/12/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Near-shore dredging not relevant to offshore ornithology	No	No	
115	Ireland	Dredging	F5007482	Department of Defence	Dredging at Haulbowline Naval Base, Co. Cork	https://www.gov.ie/en/for-the-media/notice/78c25-fa007482-department-of-defence-dredging-at-haulbowline-naval-base-co-cork/	> 100	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Near-shore dredging not relevant to offshore ornithology	No	No	
116	N.Ireland	Marine Disposal	ML2023040	Warrenpoint Harbour	Sea disposal of dredging material from Warrenpoint Harbour	https://www.dema.ni.gov.uk/publications/marine-licence-m2023040-sea-disposal-warrenpoint-harbour	6	Consented	Tier 1	Yes	Yes	27/03/2024	26/03/2027	*	*	*	No	No temporal overlap	No	No
117	N.Ireland	Dredging	ML2024018	Causeway Coast and Glens Borough Council	Dredging of Ballycastle Harbour	https://www.dema.ni.gov.uk/publications/marine-maintenance-dredge-licence-m2024018-and-sea-disposal-licence-m2024019-ballycastle-harbour-causeway-coast-and-glens-borough-council	140	Planning	Tier 1	Yes	Yes	08/04/2025	07/04/2028	*	*	*	No	No temporal overlap	No	No
118	N.Ireland	Disposal	ML2024019	Causeway Coast and Glens Borough Council	Disposal of dredge material to Ballycastle-B sea disposal site	https://www.dema.ni.gov.uk/publications/marine-maintenance-dredge-licence-m2024018-and-sea-disposal-licence-m2024019-ballycastle-harbour-causeway-coast-and-glens-borough-council	142	Planning	Tier 1	Yes	Yes	08/04/2025	07/04/2028	*	*	*	No	No temporal overlap	No	No
119	N.Ireland	Dredging	ML2024020	Causeway Coast and Glens Borough Council	Dredging of Portlough Harbour	https://www.dema.ni.gov.uk/publications/marine-maintenance-dredge-licence-m2024020-and-sea-disposal-licence-m2024021-portlough-harbour-causeway-coast-and-glens-borough-council	145	Planning	Tier 1	Yes	Yes	04/03/2025	12/02/2028	*	*	*	No	No temporal overlap	No	No
120	N.Ireland	Disposal	ML2024021	Causeway Coast and Glens Borough Council	Disposal of Dredge material to Portlough Bay-B sea disposal site	https://www.dema.ni.gov.uk/publications/marine-maintenance-dredge-licence-m2024020-and-sea-disposal-licence-m2024021-portlough-harbour-causeway-coast-and-glens-borough-council	154	Planning	Tier 1	Yes	Yes	04/03/2025	12/02/2028	*	*	*	No	No temporal overlap	No	No
121	N.Ireland	Dredging	ML2024022	Causeway Coast and Glens Borough Council	Dredging of Ballintoy Harbour	https://www.dema.ni.gov.uk/publications/marine-maintenance-dredge-licence-m2024022-and-sea-disposal-licence-m2024023-ballintoy-harbour-causeway-coast-and-glens-borough-council	148	Planning	Tier 1	Yes	Yes	03/09/2025	02/08/2028	*	*	*	No	No temporal overlap	No	No
122	N.Ireland	Disposal	ML2024023	Causeway Coast and Glens Borough Council	Disposal of dredge material to adjacent beach for beach nourishment	https://www.dema.ni.gov.uk/publications/marine-maintenance-dredge-licence-m2024022-and-sea-disposal-licence-m2024023-ballintoy-harbour-causeway-coast-and-glens-borough-council	145	Planning	Tier 1	Yes	Yes	03/09/2025	02/08/2028	*	*	*	No	No temporal overlap	No	No
123	Ireland	Dredging	MAC20230004	Port of Cork Company	Capital Dredging of berths at Ringaskiddy East & West.	https://www.maritimeregulator.ie/apply-and-submit-an-application-for-maritime-act-consent/applications-received/	> 100	MAC Consent	Tier 2	Yes	Yes	06/02/2025	06/02/2036	*	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
124	Ireland	Navigational dredging (maintenance)	LIC230025	Port of Waterford Company	Maintenance dredging of accumulated sediments to maintain the port's navigational trade areas - Waterford	https://www.maritimeregulator.ie/applications/lic230025/	> 100	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
125	Ireland	Navigational dredging (maintenance)	MUL230026	Wicklow County Council	Maintenance dredging of the navigation channel, turning basin and berths within Wicklow Port - Wicklow	https://www.maritimeregulator.ie/applications/mul230026/	96	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No

Other Development Details											Stage 1		Stage 2							
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within 20m?	Progress to Stage 2?	Licensable Period		SpatioTemporal overlap with Project			Further Consideration required because potential for spatio/temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2019-2025 - 2022)	Temporal overlap with operation (2025 - 2065 - 2048)				
126	Ireland	Navigational dredging (maintenance)	MUL230029	Department of Defence	Maintenance dredging of the entrance channel and the southern part of the Graving Dock, Cork	https://www.marinregulator.ie/publications/mul230029/	> 100	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
127	United Kingdom	Dredging Point	777	Avon River	Celtic Sea	EMODnet	352	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
128	United Kingdom	Dredging Point	778	Bann River	Celtic Sea	EMODnet	142	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
129	United Kingdom	Dredging Point	784	Camel River	Celtic Sea	EMODnet	378	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
130	United Kingdom	Dredging Point	786	Castletown Bay, Isle of Man	Celtic Sea	EMODnet	92	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
131	United Kingdom	Dredging Point	788	Clyde River	Celtic Sea	EMODnet	240	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
132	United Kingdom	Dredging Point	789	Conwy River	Celtic Sea	EMODnet	161	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
133	United Kingdom	Dredging Point	793	Dee River	Celtic Sea	EMODnet	199	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
134	United Kingdom	Dredging Point	794	Douglas Harbour, Isle of Man	Celtic Sea	EMODnet	105	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
135	United Kingdom	Dredging Point	797	Falmouth	Celtic Sea	EMODnet	418	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
136	United Kingdom	Dredging Point	798	Firth Of Clyde	Celtic Sea	EMODnet	190	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
137	United Kingdom	Dredging Point	809	Kilkeel	Celtic Sea	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
138	United Kingdom	Dredging Point	811	Lagan River/Belfast Lough	Celtic Sea	EMODnet	78	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
139	United Kingdom	Dredging Point	814	Loch Nevis	Celtic Sea	EMODnet	342	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
140	United Kingdom	Dredging Point	815	Loch Ryan	Celtic Sea	EMODnet	129	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
141	United Kingdom	Dredging Point	816	Loch Scorsort, Isle of Rhum	Celtic Sea	EMODnet	341	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
142	United Kingdom	Dredging Point	817	Loughor River	Celtic Sea	EMODnet	279	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
143	United Kingdom	Dredging Point	819	Luce Bay	Celtic Sea	EMODnet	128	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
144	United Kingdom	Dredging Point	820	Lune River	Celtic Sea	EMODnet	209	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
145	United Kingdom	Dredging Point	822	Mersey River	Celtic Sea	EMODnet	212	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
146	United Kingdom	Dredging Point	823	Mersey River/Liverpool Bay	Celtic Sea	EMODnet	206	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
147	United Kingdom	Dredging Point	824	Milford Haven	Celtic Sea	EMODnet	251	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
148	United Kingdom	Dredging Point	827	Morecambe Bay	Celtic Sea	EMODnet	204	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
149	United Kingdom	Dredging Point	828	Mounts Bay	Celtic Sea	EMODnet	423	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
150	United Kingdom	Dredging Point	829	Neath River	Celtic Sea	EMODnet	292	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
151	United Kingdom	Dredging Point	830	Neath River/Swanesa Bay	Celtic Sea	EMODnet	293	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
152	United Kingdom	Dredging Point	834	Peel Harbour Isle of Man	Celtic Sea	EMODnet	93	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
153	United Kingdom	Dredging Point	835	Pembroke	Celtic Sea	EMODnet	254	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
154	United Kingdom	Dredging Point	838	Port St. Mary, Isle of Man	Celtic Sea	EMODnet	86	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
155	United Kingdom	Dredging Point	839	Portnaughan Bay/Ryan Loch	Celtic Sea	EMODnet	129	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
156	United Kingdom	Dredging Point	847	Severn Estuary	Celtic Sea	EMODnet	338	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
157	United Kingdom	Dredging Point	849	Solway Firth	Celtic Sea	EMODnet	179	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
158	United Kingdom	Dredging Point	855	Swansea	Celtic Sea	EMODnet	291	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
159	United Kingdom	Dredging Point	856	Taff River/Severn Estuary	Celtic Sea	EMODnet	333	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
160	United Kingdom	Dredging Point	867	Usk River	Celtic Sea	EMODnet	333	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
161	United Kingdom	Dredging Point	872	Wyre River	Celtic Sea	EMODnet	199	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
162	Ireland	Cables	F5007540	Keith Archer/ Private Individual	Installation of submarine electrical cable, Ringinory Island to Spanish Island, Cork	https://www.gov.ie/en/foreign-affairs/2022-07-15-007540-keith-archer-installation-of-submarine-electrical-cable/	> 100	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore installation - not relevant to offshore ornithology	No	No
163	Ireland	Cables	MAC20230006	Electricity Supply Board (ESB)	Underground Cable within the River Barrow, New Ross, Wexford	https://www.marinregulator.ie/publications/mac20230006/	> 100	MAC Consent	Tier 2	Yes	Yes	08/07/2025	08/07/2070	*	✓	✓	Yes	Onshore/nearshore installation - not relevant to offshore ornithology	No	No

Other Development Details										Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within 20?	Progress to Stage 2?	Licence/Period		Spatiotemporal overlap with Project				Further Consideration required because of potential for spatiotemporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (03-2025 - 2025)	Temporal overlap with operation (2025 - 2065)	Temporal overlap with operation (2025 - 2065)				
164	Ireland	Cables	MAC240021	Electricity Supply Board (ESB)	Installation of electricity underground cable from Great Island to Belview (Wexford and Kilkenny)	https://www.marlinregulator.ie/et-work/marlin-area-consents/applications/received/	> 100	MAC Consent	Tier 2	Yes	Yes	25/09/2025	25/07/2070	*	✓	✓	✓	Yes	Onshore/nearshore installation - not relevant to offshore ornithology	No	No
165	Ireland	Cables	MAC240030	Amazon MCS Ireland Ltd.	Beaufort telecommunications fibre optic cable between Kilmore Quay, Wexford and Wexford	https://www.marlinregulator.ie/et-work/marlin-area-consents/applications/received/	> 100	MAC Consent	Tier 2	Yes	Yes	26/11/2025	26/11/2060	*	✓	✓	✓	Yes	Cables outside of close proximity (50 km) to Oriel	No	No
166	Ireland	Cables	MAC240025	Keith Archer/ Private Individual	Electric cable from mainland to private dwelling	https://www.marlinregulator.ie/et-work/marlin-area-consents/applications/received/	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	✓	Yes	Onshore/nearshore installation - not relevant to offshore ornithology	No	No
167	Ireland	Cables	LIC230033	Apollo Submarine Cable System Limited	2Africa Submarine Cable System proposed installation and operation - Irish EE2	https://www.marlinregulator.ie/publications/lic230033/	378	Consented	Tier 1	Yes	Yes	28/06/2024	27/06/2049	*	✓	✓	✓	Yes	Cables outside of close proximity (50 km) to Oriel	No	No
168	Wales	Deposit and Removal	CML2312	Robert Wynn & Sons Ltd	Beach landing at Black Rock Sands	NRW	164	Unknown	Tier 1	Yes	Yes	05/04/2023	Unknown	*	Unknown	Unknown	Unknown	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
169	Wales	Removal	CML2331	MaresConnect Ltd	Interconnector Seabed Survey	NRW	59	Unknown	Tier 1	Yes	Yes	12/10/2023	31/12/2025	*	*	*	*	No	No temporal overlap	No	No
170	Wales	Construction, Deposit, Removal	CML2332	Gwynedd Council	Repair of sea wall, erect Roughie and install new drainage network	NRW	186	Unknown	Tier 1	Yes	Yes	27/02/2024	01/04/2026	*	*	*	*	No	No temporal overlap	No	No
171	Wales	Construction	CML2333	Kaymac Marine & Civil Engineering Ltd	Newport Effluent Outfall Replacement Works	NRW	335	Unknown	Tier 1	Yes	Yes	01/03/2024	03/09/2029	*	✓	*	*	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
172	Wales	Construction, Deposit, Removal	CML2339	Ancala Water Services (Estates) Ltd	RAF Valley Tidal Flap	NRW	122	Unknown	Tier 1	Yes	Yes	27/09/2023	01/09/2026	*	*	*	*	No	No temporal overlap	No	No
173	Wales	Construction, Deposit, Removal	CML2339	Ancala Water Services (Estates) Ltd	RAF Valley Tidal Flap	NRW	122	Unknown	Tier 1	Yes	Yes	28/09/2023	01/09/2026	*	*	*	*	No	No temporal overlap	No	No
174	Wales	Construction, Deposit, Removal	CML2339	Ancala Water Services (Estates) Ltd	RAF Valley Tidal Flap	NRW	123	Unknown	Tier 1	Yes	Yes	28/09/2023	01/09/2026	*	*	*	*	No	No temporal overlap	No	No
175	Wales	Construction and Removal	CML2345	Pembrokeshire County Council	Lower Town Ffangaard Slipway Repair	NRW	223	Unknown	Tier 1	Yes	Yes	23/10/2023	15/10/2024	*	*	*	*	No	NIA	No	No
176	Wales	Construction and Deposit	CML2346	Ceredigion County Council	Glau Y Mor Public Right of Way (PRoW) Footbridge Maintenance and Erosion Control	NRW	208	Unknown	Tier 1	Yes	Yes	08/11/2023	42/12/2024	*	*	*	*	No	NIA	No	No
177	Wales	Construction and Deposit	CML2346	Ceredigion County Council	Glau Y Mor Public Right of Way (PRoW) Footbridge Maintenance and Erosion Control	NRW	208	Unknown	Tier 1	Yes	Yes	08/11/2023	42/12/2024	*	*	*	*	No	NIA	No	No
178	Wales	Construction and Deposit	CML2350	Liverpool Bay CCS Limited	Trenchless crossing of the River Dee in relation to Hume	NRW	218	Unknown	Tier 1	Yes	Yes	24/04/2024	31/12/2032	*	✓	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
179	Wales	Construction	CML2356	Morgan Sindall Construction and Infrastructure Ltd	Sewer repatriation	NRW	147	Unknown	Tier 1	Yes	Yes	23/11/2023	22/11/2024	*	*	*	*	No	NIA	No	No
180	Wales	Construction	CML2359	MPH Construction Ltd	Alon Wen Street Pipe Repairs	NRW	159	Unknown	Tier 1	Yes	Yes	18/04/2024	17/04/2025	*	*	*	*	No	NIA	No	No
181	Wales	Construction	CML2370	Conwy County Borough Council	Tidal Valve replacement	NRW	161	Unknown	Tier 1	Yes	Yes	15/02/2024	14/02/2025	*	*	*	*	No	NIA	No	No
182	Wales	Construction	CML2371	Conwy County Borough Council	Morfa Drive Tidal Flap Valve Replacement	NRW	161	Unknown	Tier 1	Yes	Yes	16/02/2024	15/02/2025	*	*	*	*	No	NIA	No	No
183	Wales	Construction	CML2371	Conwy County Borough Council	Morfa Drive Tidal Flap Valve Replacement	NRW	161	Unknown	Tier 1	Yes	Yes	16/02/2024	15/02/2025	*	*	*	*	No	NIA	No	No
184	Wales	Removal	CML2373	North Wales Wildlife Trust	Sprinkler Abandonment Outfall Clearance	NRW	150	Unknown	Tier 1	Yes	Yes	05/02/2024	28/02/2025	*	*	*	*	No	NIA	No	No
185	Wales	Construction	CML2374	Bangor City Council	Bangor Pier Rehabilitation	NRW	147	Unknown	Tier 1	Yes	Yes	07/05/2024	31/03/2026	*	*	*	*	No	NIA	No	No
186	Wales	Construction	CML2374	Bangor City Council	Bangor Pier Rehabilitation	NRW	146	Unknown	Tier 1	Yes	Yes	07/05/2024	31/03/2026	*	*	*	*	No	NIA	No	No
187	Wales	Construction	CML2377	South Wales Trunk Road Agent	A48 drainage clearance and sea wall replacement	NRW	338	Unknown	Tier 1	Yes	Yes	02/02/2024	06/02/2025	*	*	*	*	No	NIA	No	No
188	Wales	Construction	CML2401	NRW	Rhymney Great Wharf Habitat Restoration Polders Enhancement Project	NRW	333	Unknown	Tier 1	Yes	Yes	29/04/2024	28/04/2029	*	✓	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
189	Wales	Construction and Removal	CML2403	Kaymac Marine Ltd	Morfa culvert remediation works	NRW	267	Unknown	Tier 1	Yes	Yes	03/05/2024	31/10/2025	*	*	*	*	No	NIA	No	No
190	Wales	Construction	CML2407	Christopher L Blackham	Replacement of existing sea wall with new precast concrete construction and remedial works to an existing concrete slipway	NRW	146	Unknown	Tier 1	Yes	Yes	26/06/2024	01/08/2025	*	*	*	*	No	NIA	No	No
191	Wales	Construction	CML2408	Newport City Council	Newport Transporter Bridge River wall works	NRW	331	Unknown	Tier 1	Yes	Yes	24/05/2024	23/05/2025	*	*	*	*	No	NIA	No	No
192	Wales	Construction	CML2416	Puma Energy	Puma Energy Jetty Maintenance	NRW	251	Unknown	Tier 1	Yes	Yes	06/04/2024	04/04/2026	*	*	*	*	No	NIA	No	No
193	Wales	Construction, Deposit, Removal	CML2422	Natural Resources Wales	Chapel River Outfall Repairs	NRW	336	Unknown	Tier 1	Yes	Yes	04/02/2024	24/10/2025	*	*	*	*	No	NIA	No	No
194	Wales	Construction	CML2427	Eric Wright Water Limited	Installation of Pipework at Beach Road Sewage Pumping Station	NRW	147	Unknown	Tier 1	Yes	Yes	26/06/2024	30/05/2025	*	*	*	*	No	NIA	No	No
195	Wales	Construction	CML2430	Conwy County Borough Council	Conwy Coastal Defence extension CML2149	NRW	166	Unknown	Tier 1	Yes	Yes	13/05/2024	12/05/2025	*	*	*	*	No	NIA	No	No
196	Wales	Construction	CML2437	South Wales Trunk Road Agent	A485 Cychod Underbridge Road Repair and Protection Measures	NRW	290	Unknown	Tier 1	Yes	Yes	16/08/2024	15/08/2025	*	*	*	*	No	NIA	No	No
197	Wales	Construction	CML2442	Amalgamated Construction Ltd	Pall Sea Wall Void Repairs	NRW	276	Unknown	Tier 1	Yes	Yes	14/09/2024	14/09/2026	*	*	*	*	No	NIA	No	No
198	Wales	Construction	CML2445	Amalgamated Construction Ltd	St Julians River Bridge boll replacement and survey	NRW	328	Unknown	Tier 1	Yes	Yes	26/07/2024	26/07/2025	*	*	*	*	No	NIA	No	No
199	Wales	Construction	CML2457	MPH Construction Ltd	Replacement of Pembrokeshire Tidal flaps	NRW	157	Unknown	Tier 1	Yes	Yes	01/10/2025	30/11/2024	*	*	*	*	No	NIA	No	No
200	Wales	Construction	CML2463	MPH Construction Ltd	Replacement of Pembrokeshire Tidal flaps	NRW	194	Unknown	Tier 1	Yes	Yes	05/10/2024	01/10/2025	*	*	*	*	No	NIA	No	No
201	Wales	Dredge and Beneficial Use	DEML2340	Gerco Ltd	Cardiff Bay Maintenance Dredging	NRW	267	Unknown	Tier 1	Yes	Yes	24/06/2024	26/06/2025	*	*	*	*	No	NIA	No	No
202	Wales	Dredge and/or Disposal	DML2352	Cardiff Harbour Authority	Cardiff Bay Maintenance Dredging	NRW	334	Unknown	Tier 1	Yes	Yes	05/01/2024	31/12/2033	*	✓	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
203	Wales	Dredge and/or Disposal	DML2352	Cardiff Harbour Authority	Cardiff Bay Maintenance Dredging	NRW	334	Unknown	Tier 1	Yes	Yes	05/01/2024	31/12/2033	*	✓	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
204	Wales	Dredge and/or Disposal	DML2352	Cardiff Harbour Authority	Cardiff Bay Maintenance Dredging	NRW	334	Unknown	Tier 1	Yes	Yes	05/01/2024	31/12/2033	*	✓	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
205	Wales	Dredge and/or Disposal	DML2352	Cardiff Harbour Authority	Cardiff Bay Maintenance Dredging	NRW	334	Unknown	Tier 1	Yes	Yes	05/01/2024	31/12/2033	*	✓	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
206	Wales	Dredge and/or Disposal	DML2354	Pembrokeshire County Council	Maintenance dredge at Tenby Harbour	NRW	263	Unknown	Tier 1	Yes	Yes	07/03/2024	17/12/2028	*	✓	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
207	Wales	Dredge and/or Disposal	DML2354	Pembrokeshire County Council	Maintenance dredge at Tenby Harbour	NRW	262	Unknown	Tier 1	Yes	Yes	07/03/2024	17/12/2028	*	✓	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
208	Wales	Deposit	DEML2364	EirGrid PLC	East West Interconnector remedial works	NRW	71	Unknown	Tier 1	Yes	Yes	31/01/2024	30/06/2025	*	*	*	*	No	NIA	No	No
209	Wales	Deposit	DEML2375	Gwynedd Council	beach management	NRW	190	Unknown	Tier 1	Yes	Yes	11/04/2024	10/04/2029	*	✓	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
210	Wales	Deposit	DEML2406	The Crown Estate		NRW	280	Unknown	Tier 1	Yes	Yes	23/04/2024	25/08/2025	*	*	*	*	No	NIA	No	No

Other Development Details										Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/2023)	Tier	Within ZoF?	Progress to Stage 2?	Licenceable Period		Spatio-temporal overlap with Project			Further Consideration required because of potential for spatio-temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4	
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025)	Temporal overlap with operation (2025-2065)					
211	Wales	Deposit	EXML2454	Llandudno Town Council	Llandudno Annual Fireworks Display	NRW	160	Unknown	Tier 1	Yes	Yes	03/11/2024	03/11/2026	✓	✓	✓	No	N/A	No	No	
212	Wales	Removal	RML2303	Ocean Ecology Limited	Grab samples	NRW	140	Unknown	Tier 1	Yes	Yes	08/09/2023	08/04/2025	✓	✓	✓	No	N/A	No	No	
214	Wales	Removal	RML2349	stwyth Seawall Investigation Team	Aberystwyth Seawall Investigation Trial Pile	NRW	209	Unknown	Tier 1	Yes	Yes	03/11/2023	03/11/2024	✓	✓	✓	No	N/A	No	No	
215	Wales	Removal	RML2349	stwyth Seawall Investigation Team	Aberystwyth Seawall Investigation Trial Pile	NRW	210	Unknown	Tier 1	Yes	Yes	03/11/2023	03/11/2024	✓	✓	✓	No	N/A	No	No	
216	Wales	Deposit and Removal	RML2351	Big station outfall clearance work	Central pumping station outfall clearance work, Cardiff East	NRW	333	Unknown	Tier 1	Yes	Yes	28/11/2023	27/11/2024	✓	✓	✓	No	N/A	No	No	
217	Wales	Removal	RML2362		Geotechnical Investigations	NRW	253	Unknown	Tier 1	Yes	Yes	09/09/2023	09/09/2025	✓	✓	✓	No	N/A	No	No	
218	Wales	Removal	RML2363		Exploratory Borehole at Beach Road Pumping Station	NRW	147	Unknown	Tier 1	Yes	Yes	04/12/2023	10/11/2024	×	×	×	No	N/A	No	No	
219	Wales	Removal	RML2368	NRW		NRW	250	Unknown	Tier 1	Yes	Yes	06/09/2024	04/09/2026	✓	✓	✓	No	N/A	No	No	
220	Wales	Removal	RML2368	ABP Marine Environmental Research Limited	Port Talbot Inner Dock Grab Sampling	NRW	298	Unknown	Tier 1	Yes	Yes	14/01/2024	24/12/2024	✓	✓	✓	No	N/A	No	No	
221	Wales	Removal	RML2369	NRW	Newbridge, Port Talbot Ground Investigation	NRW	298	Unknown	Tier 1	Yes	Yes	09/04/2024	09/04/2026	✓	✓	✓	No	N/A	No	No	
222	Wales	Removal	RML2404	Llyr Floating Wind Limited	Grab samples Llyr offshore and alternative cable route	NRW	256	Unknown	Tier 1	Yes	Yes	14/02/2024	14/02/2025	✓	✓	✓	No	N/A	No	No	
223	Wales	Removal	RML2412	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOB1	NRW	100	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	×	×	×	No	N/A	No	No	
224	Wales	Removal	RML2412	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOB1	NRW	79	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	×	×	×	No	N/A	No	No	
225	Wales	Removal	RML2413	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOB2	NRW	88	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	×	×	×	No	N/A	No	No	
226	Wales	Removal	RML2413	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOB2	NRW	63	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	×	×	×	No	N/A	No	No	
227	Wales	Removal	RML2414	McMahon Design & Management Limited	Marine Survey & Site Investigation Works Tuskar	NRW	223	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	✓	✓	✓	No	N/A	No	No	
228	Wales	Removal	RML2414	McMahon Design & Management Limited	Marine Survey & Site Investigation Works Tuskar	NRW	216	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	✓	✓	✓	No	N/A	No	No	
229	Wales	Removal	RML2419	The Crown Estate	Pre-Consents Geotechnical Surveys in the Celtic Sea	NRW	270	Unknown	Tier 1	Yes	Yes	23/07/2024	22/07/2025	✓	✓	✓	No	N/A	No	No	
230	Wales	Removal	RML2419	The Crown Estate	Pre-Consents Geotechnical Surveys in the Celtic Sea	NRW	294	Unknown	Tier 1	Yes	Yes	23/07/2024	22/07/2025	✓	✓	✓	No	N/A	No	No	
231	Wales	Removal	RML2420	ABP	Port Talbot Marine Ground Investigations	NRW	298	Unknown	Tier 1	Yes	Yes	10/09/2024	01/07/2027	×	×	×	No	No temporal overlap	No	No	
232	Wales	Removal	RML2420	ABP	Port Talbot Marine Ground Investigations	NRW	298	Unknown	Tier 1	Yes	Yes	10/09/2024	01/07/2027	×	×	×	No	No temporal overlap	No	No	
233	Wales	Removal	RML2420	ABP	Port Talbot Marine Ground Investigations	NRW	298	Unknown	Tier 1	Yes	Yes	10/09/2024	01/07/2027	×	×	×	No	No temporal overlap	No	No	
234	Wales	Removal	RML2435	Crown Estates UK Limited	Geophysical Surveys in Welsh Waters (Grab Sampling)	NRW	270	Unknown	Tier 1	Yes	Yes	13/08/2024	01/06/2025	✓	✓	✓	Yes	N/A	No	No	
235	Wales	Removal	RML2435	Crown Estates UK Limited	Geophysical Surveys in Welsh Waters (Grab Sampling)	NRW	294	Unknown	Tier 1	Yes	Yes	14/06/2024	04/06/2026	✓	✓	✓	Yes	N/A	No	No	
236	Wales	Removal	RML2443	McMahon Design & Management Limited	Newport Connect Subsea Fibre Optic Cable - Marine Survey & Site Investigation work	NRW	333	Unknown	Tier 1	Yes	Yes	14/06/2024	14/06/2026	✓	✓	✓	Yes	N/A	No	No	
237	Wales	Removal	RML2444	Mona Offshore Wind Limited	Mona Offshore Wind Farm 2024 Deep Geotechnical Survey	NRW	130	Unknown	Tier 1	Yes	Yes	18/09/2024	17/09/2025	×	×	×	Yes	N/A	No	No	
238	Wales	Removal	RML2447	University College Cork	Celtic Submerged Landscapes Expedition 2024	NRW	260	Unknown	Tier 1	Yes	Yes	21/08/2024	02/10/2024	✓	✓	✓	Yes	N/A	No	No	
239	Wales	Construction	CML 1843	NRW	Repair and improve sea defence treatment	NRW	188	Unknown	Tier 1	Yes	Yes	06/02/2019	31/12/2054	×	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No	
240	Ireland	Port/Marine Infrastructure	314487	Minister for Agriculture, Food and the Marine	Dredging of harbour, reclamation of land, construction of slipway, embankment and rock armour - Houth Fishery Harbour Centre	https://www.gov.ie/en/consultation/04d4d-health-harbour-dredging/	51	Consented (30/07/2024)	Tier 1	Yes	Yes	Unknown	Unknown	×	✓	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
241	Ireland	Port/Marine Infrastructure	302590	Dublin Port Company	SFM Project - Construction of Lo-Lo container terminal, Ro-Ro freight terminal and other work	https://www.dublport.ie/en/infrastructure/	54	Planning (Applied on 23/07/2024)	Tier 1	Yes	Yes	Unknown	Unknown	×	✓	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
242	Ireland	Port/ Marine Infrastructure	MAC20230001	Port of Waterford Company, Belvel Port, Waterford	ORE O&M facility in Belvel Port	https://www.marine.ie/regulator/infrastructure/infrastructure-areas/consultation/ore-o&m-facility-in-belvel-port/	> 100	MAC Consent	Tier 2	Yes	Yes	16/06/2025	16/06/2085	×	✓	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
243	Ireland	Port/ Marine Infrastructure	MAC20230012	Kish Offshore Wind Limited & Bray Offshore Wind Limited	ORE O&M facility in St. Michael's Pier, Dun Laoghaire Harbour	https://www.marine.ie/regulator/infrastructure/infrastructure-areas/consultation/ore-o&m-facility-in-st-michael-s-pier-dun-laoghaire-harbour/	61	MAC Consent	Tier 2	Yes	Yes	30/10/2024	30/10/2085	×	✓	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
244	Ireland	Port/ Marine Infrastructure	MAC20230005	Iarnród Éireann/Irish Rail	ORE O&M facility in Roslaine Europort	https://www.marine.ie/regulator/infrastructure/infrastructure-areas/consultation/ore-o&m-facility-in-roslaine-europort/	> 100	MAC Consent	Tier 2	Yes	Yes	02/07/2025	02/07/2085	×	✓	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
245	Ireland	Port/ Marine Infrastructure	MAC240020	Dun Laoghaire Rathdown County Council; Kish Offshore Wind Limited; Bray Offshore Wind Limited	ORE O&M Facility and additional works for Dublin Army Offshore Wind Farm at Dun Laoghaire Harbour	https://www.marine.ie/regulator/infrastructure/infrastructure-areas/consultation/ore-o&m-facility-and-additional-works-for-dublin-army-offshore-wind-farm-at-dun-laoghaire-harbour/	61	MAC Consent	Tier 2	Yes	Yes	12/11/2024	12/11/2085	×	✓	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
246	N.Ireland	Marine Construction	ML2022003	Louth County Council	Narrow Water Bridge Project	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2022003-narrow-water-bridge-project/	21	Consented	Tier 1	Yes	Yes	29/03/2024	28/03/2027	×	×	×	No	No temporal overlap	No	No	
247	N.Ireland	Marine Construction	ML2023017	LSS Oil Terminal	LSS Jetty Lough Foyle	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2023017-lss-jetty-foyle/	140	Consented	Tier 1	Yes	Yes	20/05/2025	20/05/2026	×	×	×	No	No temporal overlap	No	No	
248	N.Ireland	Marine Construction	ML2023029	North Channel Wind Limited	Marine Surveys to inform location and design of offshore windfarm and cable route	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2023029-marine-surveys-to-inform-location-and-design-of-offshore-windfarm-and-cable-route-north-channel-wind-farm-1/	101	Consented	Tier 1	Yes	Yes	01/04/2025	01/04/2028	×	×	×	No	No temporal overlap	No	No	
249	N.Ireland	Marine Construction	ML2024009	TI LINC Limited	Ground survey work to inform a project: interconnector between NI and Scotland	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2024009-ti-linc-limited/	88	Consented	Tier 1	Yes	Yes	22/01/2025	22/01/2026	×	×	×	No	No temporal overlap	No	No	
250	N.Ireland	Marine Construction	ML2024011	Northern Ireland Water	Newcastle Central Promenade	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2024011-newcastle-central-promenade-northern-ireland-water/	30	Consented	Tier 1	Yes	Yes	11/11/2024	11/11/2025	×	×	×	No	No temporal overlap	No	No	
251	N.Ireland	Marine Construction	ML2024012	Causeway Coast & Glens Borough Council	Repair the existing slipway at Portlinnrae Harbour by removing and replacing damaged areas.	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2024012-portlinnrae-causeway-coast-glens-borough-council/	144	Planning	Tier 1	Yes	Yes	Unknown	Unknown	✓	✓	✓	No	Onshore/nearshore works - not relevant to offshore ornithology	No	No	
252	N.Ireland	Marine Construction	ML2024027	Translink NIR	Improve Sea defences in Carrickfergus	https://www.dema-ni.gov.uk/publications/marine-construction-licence-m2024027-nir-translink-sea-defences-carrickfergus-donaghadee/	88	Consented	Tier 1	Yes	Yes	08/04/2025	07/04/2026	×	×	×	No	No temporal overlap	No	No	

Other Development Details										Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within ZoF?	Progress to Stage 2?	Licenceable Period		Spatiotemporal overlap with Project				Further Consideration required because of potential for spatiotemporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025 - 2027)	Temporal overlap with operation (2025-2065)	Temporal overlap				
253	N Ireland	Marine Construction	ML2024030	Bangor Marine Limited	Construction of outfall pipe for storm drainage in Bangor Marina	https://www.dema-ni.gov.uk/development/marine-consultations/force-m2024030-bangor-marina-outfall-bangor	84	Consented	Tier 1	Yes	Yes	24/03/2025	23/03/2026	*	*	*		No	No temporal overlap	No	No
254	Ireland	Water Pipeline Projects	MAC20240008	Uisce Éireann	Upgrade of Water Mains Infrastructure beneath River Boyne, Drogheda, Louth	https://www.marlineregulator.ie/publications/mu230008	14	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
255	Ireland	Water Pipeline Projects	MAC240026	Uisce Éireann	Construction of tunnel pipe beneath the River Lee, Cork City	https://www.marlineregulator.ie/publications/mu240026	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
256	UK	ORE Projects - Windfarm	-	Hexicon AB	TwinHub	https://www.marlineregulator.ie/publications/mu230008	387	Consented	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	Yes		Yes
257	UK	ORE Projects - Windfarm	-	North Hoyle Wind Farm Limited	North Hoyle	https://www.marlineregulator.ie/publications/mu230008	179	Operational	Tier 1	Yes	Yes	Unknown	Unknown	*	*	*		Yes	Project considered in 2023 CIA	No	No
258	UK	ORE Projects - Windfarm	-	Rhyl Flats Wind Farm Limited	Rhyl Flats	https://www.marlineregulator.ie/publications/mu230008	167	Operational	Tier 1	Yes	Yes	Production began 02/2011	Estimated site life 2031 to 2041	*	✓	✓		Yes	Considered part of the baseline in 2023 CIA	No	No
259	UK	ORE Projects - Windfarm	-	Awel Y Mor Offshore Wind Farm Limited	Awel Y Mor OFO	TCE	161	Consented	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	No impact pathway for construction of cables	No	No
260	UK	ORE Projects - Windfarm	-	Awel Y Mor Offshore Wind Farm Limited	Awel Y Mor OWF Cable Crossing	TCE	162	Consented	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	No impact pathway for construction of cables	No	No
261	UK	ORE Projects - Windfarm	-	Blue Gem Wind Limited	Enebus Transmission Asset	TCE	251	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	No impact pathway for construction of cables	No	No
262	UK	ORE Projects - Tidal	Wave Test Site	Pembrokeshire Coastal Forum Community Interest Company	Milford Haven Estuary (META Phase 2) - Dale Roads	https://www.marlineregulator.ie/publications/mu230008	249	Operational	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	No data available	No	No
263	UK	ORE Projects - Tidal	Wave and Floating Wind Test Site	Pembrokeshire Coastal Forum Community Interest Company	Milford Haven Estuary (META Phase 2) - East Pichard Bay	https://www.marlineregulator.ie/publications/mu230008	254	Operational	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	No data available	No	No
264	UK	ORE Projects - Tidal	Tidal Test Site	Pembrokeshire Coastal Forum Community Interest Company	Milford Haven Estuary (META Phase 2) - Warrior Way	https://www.marlineregulator.ie/publications/mu230008	254	Operational	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	No data available	No	No
265	UK	ORE Projects - Windfarm	-	Main Sea Wind Limited	Malin	https://www.marlineregulator.ie/publications/mu230008	169	Consented	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	No data available	No	No
266	UK	ORE Projects - Tidal	-	Free Marine Power Ltd	Dunrobert Sound of Islay	https://www.marlineregulator.ie/publications/mu230008	208	Consented	Tier 1	Yes	Yes	24/06/2024	31/08/2029	*	✓	✓		Yes	No data available	No	No
267	Ireland	ORE Projects	321635	Arklow Energy Limited	Arklow Bank Wind Farm Phase 1	https://www.marlineregulator.ie/publications/mu230008	100	Planning to Decommission	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	No data available	No	No
268	Ireland	ORE Projects	-	South Coast Designated Maritime Area Plan (DMAP)	Torn Nua	https://www.marlineregulator.ie/publications/mu230008	> 100	Pre-application (ORESS Auction Result due Q2 2025)	Tier 1	Yes	Yes	N/A	N/A	*	*	✓		Yes	Screened out based on low data confidence	No	No
269	Ireland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	https://www.marlineregulator.ie/publications/mu230001	16	Consented	Tier 2	Yes	Yes	02/08/2024	02/08/2031	*	✓	✓		Yes	Yes		Yes
270	Ireland	ORE Site Investigations	MUL230034	Codling Wind Park Limited (CWPL)	Survey mobilisations to inform the location and detailed design of the proposed Codling Wind Park OWF, export cable route potential OMM base, and other associated works - Dublin to Wicklow	https://www.marlineregulator.ie/publications/mu230034	56	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	Survey work not relevant to offshore ornithology	No	No
271	Ireland	ORE Site Investigations	MUL240036	EirGrid	Marine Site Investigation to inform design and environmental assessments for 2 ORES in Torn Nua Area A, and other associated ORE infrastructure, Cork, Waterford and Wexford	https://www.marlineregulator.ie/publications/mu240036	> 100	MUL	Tier 2	Yes	Yes	10/07/2025	10/07/2030	*	✓	✓		Yes	Survey work not relevant to offshore ornithology	No	No
272	Ireland	Site Investigations	LIC230013	Port of Waterford	ORE capable quay extension in the River Suir at the Port of Waterford	https://www.marlineregulator.ie/publications/mu230013	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	Survey work not relevant to offshore ornithology	No	No
273	Ireland	Site Investigations	LIC230007	Dublin City Council	Environmental survey and ground investigation works in order to inform the design of proposed Point Bridge and Tom Clarke Widening Project - Dublin	https://www.marlineregulator.ie/publications/mu230007	55	MUL	Tier 2	Yes	Yes	25/06/2025	25/06/2027	*	*	*		No	No temporal overlap	No	No
274	Ireland	Site Investigations	MUL240001	Apem Group	Survey works including FAM services, boat-based line transects, intertidal and subtidal surveys - Kerry	https://www.marlineregulator.ie/publications/mu240001	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	Survey work not relevant to offshore ornithology	No	No
275	Ireland	Site investigations	MUL230031	Amazon MCS Ireland Ltd.	Geophysical survey and site investigations for a proposed transatlantic subsea fibre optic cable - Cork	https://www.marlineregulator.ie/publications/mu230031	> 100	MUL	Tier 2	Yes	Yes	22/04/2025	22/04/2028	*	✓	✓		Yes	Survey work not relevant to offshore ornithology	No	No
276	Ireland	Site investigations	MUL240008	MaresConnect Ltd	Site investigation surveys to assess various factors associated with the interconnector project - Dublin	https://www.marlineregulator.ie/publications/mu240008	37	MUL	Tier 2	Yes	Yes	30/06/2025	30/06/2030	*	✓	✓		Yes	Survey work not relevant to offshore ornithology	No	No
277	Ireland	Site Investigations	MUL240023	Iarnród Éireann	Geotechnical Investigation, Geophysical site investigation surveys, ecology and marine archaeology surveys to inform design options for the proposed East Coast Rail Infrastructure Protection Projects (ECRIPP), Dublin to Wicklow	https://www.marlineregulator.ie/publications/mu240023	58	MUL	Tier 2	Yes	Yes	22/10/2025	22/10/2031	*	✓	✓		Yes	Survey work not relevant to offshore ornithology	No	No
278	Ireland	Site Investigations	MUL240011	Bremore Island Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure, Dublin and Meath	https://www.marlineregulator.ie/publications/mu240011	6	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	Survey work not relevant to offshore ornithology	No	No
279	Ireland	Site Investigations	MUL240012	Uisce Éireann	Marine environmental surveys to inform design of WWTP and impact of wastewater on marine environment - Doregal Bay to Sipsi Bay	https://www.marlineregulator.ie/publications/mu240012	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓		Yes	Survey work not relevant to offshore ornithology	No	No
280	Ireland	Site Investigations	MUL240035	Gas Networks Ireland, Cork Harbour	Marine survey to provide baseline data for site selection for the Strategic Gas Emergency Reserve, Cork Harbour	https://www.marlineregulator.ie/publications/mu240035	> 100	MUL	Tier 2	Yes	Yes	18/06/2025	18/12/2027	*	*	*		No	No temporal overlap	No	No

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/2023)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatiotemporal overlap with Project			Further Consideration required because potential for spatiotemporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2027)	Temporal overlap with operation (2028-2069)				
281	Ireland	Site Investigations	MUL240005	Altod Energy Ltd	Marine Geophysical Site Investigations in the Celtic Sea for possible hydrogen storage, Cork	https://www.marlinregulator.ie/publications/mv240005/	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
282	Ireland	Site Investigations	MUL240042 (previously FS007098)	Port of Cork Company	Marine Site survey work and site investigations, Dogroie Bank, Corkbea, Whitegate	https://www.marlinregulator.ie/publications/mv240042/	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
283	Ireland	Site Investigations	MUL240048 (previously FS007503)	John Renos	Benthic survey to provide information for ecological assessment of subsea electrical connection from Rossbrin to Horse Island, Cork	https://www.marlinregulator.ie/publications/mv240048/	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
284	Ireland	Site Investigations	MUL240047 (previously FS007552)	RNLI Ireland	Site Investigation Works to inform design of new RNLI jetty and berth, and inform disposal options of dredged material, Courtmacsherry, Cork	https://www.marlinregulator.ie/publications/mv240047/	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
285	Ireland	Site Investigations	MUL240010	EirGrid	Site Investigations to inform design and environmental assessment of Electrical Cable Circuit crossing Dublin Bay	https://www.marlinregulator.ie/publications/mv240010/	55	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
286	Ireland	Site Investigations	MUL240003	Wexford County Council	Marine environmental survey in relation to dredging in River Barrow Estuary	https://www.marlinregulator.ie/publications/mv240003/	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
287	UK	Surface Infrastructure	PLATFORM	CHRYSAOR HOLDINGS	ACCOMMODATION PLATFORM AP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
288	UK	Surface Infrastructure	TERMINAL	unknown	BARROW-IN-FURNESS GAS TERMINAL	NSTA	188	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
289	UK	Surface Infrastructure	TERMINAL	unknown	BRAYMORE POINT	NSTA	22	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
290	UK	Surface Infrastructure	PLATFORM	HARBOUR ENERGY PLC	CALDER	NSTA	156	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No data available	No	No
291	UK	Surface Infrastructure	BUOY	CEFAS	CELTIC DEEP GUARD BUOY KFB202012 AREAS	NSTA	301	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
292	UK	Surface Infrastructure	BUOY	CEFAS	CELTIC DEEP SMART BUOY KFB202012 AREAS	NSTA	301	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
293	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	CENTRAL PRODUCTION PLTFM CP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
294	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	COWWY PLATFORM	NSTA	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
295	UK	Surface Infrastructure	TERMINAL	unknown	CORSEWALL POINT	NSTA	128	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
296	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	DOUGLAS DA	NSTA	167	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
297	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	DOUGLAS DP	NSTA	167	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
298	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	DOUGLAS DW	NSTA	167	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
299	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DP4 PLATFORM	NSTA	162	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
300	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DP6 PLATFORM	NSTA	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
301	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DP8 PLATFORM	NSTA	158	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
302	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DRILLING PLATFORM DP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
303	UK	Surface Infrastructure	TERMINAL	unknown	DUNROD POINT	NSTA	156	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
304	UK	Surface Infrastructure	BUOY	EMU LIMITED	ENGLISH CHANNEL WAVERIDER BUOY 1	NSTA	425	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
305	UK	Surface Infrastructure	BUOY	EMU LIMITED	ENGLISH CHANNEL WAVERIDER BUOY 2	NSTA	425	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
306	UK	Surface Infrastructure	BUOY	EMU LIMITED	ENGLISH CHANNEL WAVERIDER BUOY 3	NSTA	425	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
307	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	FLARE TRIPOD	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
308	UK	Surface Infrastructure	TERMINAL	unknown	GLEN MOON	NSTA	101	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
309	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	HAMILTON	NSTA	174	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
310	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	HAMILTON NORTH	NSTA	171	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
311	UK	Surface Infrastructure	BUOY	CEFAS	HINKLEY POINT WAVERIDER BUOY KFB202012 AREAS	NSTA	355	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
312	UK	Surface Infrastructure	TERMINAL	unknown	ISLAND MAGEE	NSTA	103	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
313	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	LENNOX	NSTA	191	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
314	UK	Surface Infrastructure	BUOY	CEFAS	LIVERPOOL BAY BUOY: KFB 07/2012	NSTA	181	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
315	UK	Surface Infrastructure	BUOY	CEFAS	LIVERPOOL BAY SMART BUOY KFB202012 AREAS	NSTA	182	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
316	UK	Surface Infrastructure	TERMINAL	unknown	LOUGHSHINNY	NSTA	36	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No
317	UK	Surface Infrastructure	PLATFORM	HARBOUR ENERGY PLC	MILCOM WEST	NSTA	143	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platform/gas terminals not relevant to offshore ornithology	No	No

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/Temporal overlap with Project			Further Consideration required because potential for spatiotemporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025 - 01/2023 - 31/03/2025)	Temporal overlap with operation (2025-2069)				
318	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	MILLOM WEST PLATFORM	NSTA	143	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
319	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	NORTH MORECAMBE PLATFORM	NSTA	155	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
320	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	NORTH MORECAMBE DPPA	NSTA	155	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
321	UK	Surface Infrastructure	FPSO	ENI UK LIMITED	OSI (OFFSHORE STORAGE INST.)	NSTA	166	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
322	UK	Surface Infrastructure	TERMINAL	unknown	POINT OF AYR	NSTA	189	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
323	UK	Surface Infrastructure	BUOY	CEFAS	SCARWEATHER GUARD BUOY KFB202012 AREAS	NSTA	309	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
324	UK	Surface Infrastructure	BUOY	CEFAS	SCARWEATHER WAVERIDER BUOY KFB202012 AREAS	NSTA	308	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
325	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE AP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
326	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE CPP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
327	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
328	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP3	NSTA	163	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
329	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP4	NSTA	162	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
330	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP6	NSTA	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
331	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP8	NSTA	158	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
332	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE FL1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
333	Ireland	Coastal Infrastructure	MAC20230031	Sligo County Council	Seasonal pontoon and access gangway	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
334	Ireland	Coastal Infrastructure	MAC20240007	Fingal County Council	Coastal Protection including Flood Embankment, Flood Wall and other works	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	39	MAC Consent	Tier 2	Yes	Yes	28/07/2025	28/07/2080	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
335	Ireland	Coastal Infrastructure	MAC20240002	Donegal County Council	Installation of landing pontoon and access gangway, Ballyshannon	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
336	Ireland	Pedestrian and cycle bridge	MAC20230033	Cork County Council	Pedestrian and Cycle Bridge across the Owenabue River	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
337	Ireland	Pedestrian and cycle bridge	MAC20230027	Donegal County Council	60km Pedestrian/Cycling Bridge to Strabane, Slipway and Viewing Platform	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
338	Ireland	Flood Relief Scheme	MAC20230008	Mayo County Council	Ballina Flood Relief Scheme	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
339	Ireland	Rail Infrastructure	MAC240024	Iarnród Éireann/Irish Rail	Mobility Impaired Access at Goumshane Station, Cork	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
340	Ireland	Storm Outfall	MAC240028	Dublin City Council	"Outfall at the John Rogerson's Quay as part of the Grand Canal Docks Storm Water Outfall Extension project"	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	55	MAC Consent	Tier 2	Yes	Yes	17/07/2025	14/07/2080	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
341	Ireland	Oil and Gas	MAC20230016	Kestrel Energy Storage DAC	Re-development of the decommissioned and depleted Ballycotton gas reservoir in the Kinsale Head area offshore Cork	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
342	Ireland	Recreation facility	MAC20230015	Dún Laoghaire - Rathdown County Council	Installation of Water Park, Dún Laoghaire Harbour	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	61	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Platforms/gas terminals not relevant to offshore ornithology	No	No
343	Ireland	Recreation facility	MAC240039	Donegal County Council	New centre for water based activities, Downings	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	> 100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
344	Ireland	Recreational facility	MUL240045	Seabed Sanctuary Collective	Installation of sub-marine sculpture in Glengarriff pier	https://www.marlinregulator.ie/publications/mul240045/	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
345	Ireland	Recreation facility	MAC20230018	Cork County Council	Facility Centre for Water Sports Activities in Clonacilly, Youghal	https://www.marlinregulator.ie/it-work/time-area-consents/applications-received/	> 100	MAC Consent	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
346	Ireland	Salvage operation	MUL230036	SEATEC	Salvage operation of the cargo of the SS Ohio, a World War I era steamship - South West Ireland	https://www.marlinregulator.ie/publications/mul230036/	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works not relevant to offshore ornithology	No	No
347	Ireland	Research	MUL230039	University College Cork	Deployment of FNN devices to detect acoustically tagged elasmobranchs (sharks, skates and rays) - the Celtic Sea	https://www.marlinregulator.ie/publications/mul230039/	284	Consented	Tier 2	Yes	Yes	25/10/2024	25/10/2027	*	*	*	No	No temporal overlap	No	No
348	Ireland	Research	MUL240048 (previously F5007376)	Uisce Éireann	Deployment of 9 Acoustic Doppler Current Profilers (ADCPs) to model water currents within Cork Harbour	https://www.marlinregulator.ie/publications/mul240048/	> 100	MUL	Tier 2	Yes	Yes	21/11/2025	21/11/2030	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
349	Ireland	Research	MUL230015	Uisce Éireann	Strategic Modelling study of water currents and bathymetry, South Coast of Cork	https://www.marlinregulator.ie/publications/mul230015/	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
350	Ireland	Research	MUL240026	Uisce Éireann	Strategic Modelling study of water currents and bathymetry, Southeast Coast of Ireland (Wexford, Waterford)	https://www.marlinregulator.ie/publications/mul240026/	> 100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
351	Ireland	Research	MUL240039	University College Cork	Seabed Monitoring Surveys at Moira Mound area, geophysical and sediment sampling at shipwreck sites	https://www.marlinregulator.ie/publications/mul240039/	> 100	Withdrawn-MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No

Other Development Details											Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2022)	Tier	Within ZoF?	Progress to Stage 2?	Licenceable Period		SpatioTemporal overlap with Project				Further Consideration required because of potential for spatio/temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025)	Temporal overlap with operation (2025-2065)					
352	Ireland	Aquaculture	MUL230032	University College Dublin	Introduction of Native Oysters to nearshore sites with eco-engineered habitat units, Dublin Coast	https://www.marlinregulator.ie/a-publications/show/230032	50	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No	
353	Ireland	Research	MUL240004	Dublin City University	Deployment of Research Buoy, Donaghadee Coast	https://www.marlinregulator.ie/a-publications/show/240004	62	Withdrawn-MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	*	*	No	No - project withdrawn	No	No	
354	Ireland	Research	F5007653	Loughs Agency	STRAITS Project Main Head	https://www.gov.ie/en/for-offshore-noticia/5655-f5007653-loughs-agency-straits-project-main-head	> 100	Consented	Tier 1	Yes	Yes	01/03/2024	01/03/2028	*	*	*	No	No temporal overlap	No	No	
355	N.Ireland	Research	ML2024031	DAERA, Marine conservation Reporting	Elasmobranch Acoustic Monitoring Project	https://www.daera-ni.gov.uk/publications/elasmobranch-acoustic-monitoring-project-202204031	23	Consented	Tier 1	Yes	Yes	07/06/2025	31/05/2028	*	*	*	No	No temporal overlap	No	No	
356	Ireland	Farm	IE_0172	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Survey work not relevant to offshore ornithology	No	No	
357	Ireland	Farm	IE_1092	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
358	Ireland	Farm	IE_1031	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
359	Ireland	Farm	IE_1118	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
360	Ireland	Farm	IE_1050	Oysters	-	EMODnet	7	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
361	Ireland	Farm	IE_1063	Mussels	-	EMODnet	14	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
362	Ireland	Farm	IE_1068	Mussels	-	EMODnet	15	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
363	Ireland	Farm	IE_1071	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
364	Ireland	Farm	IE_0629	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
365	Ireland	Farm	IE_0655	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
366	Ireland	Farm	IE_0656	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
367	Ireland	Farm	IE_0657	Mussels	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
368	Ireland	Farm	IE_0654	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
369	Ireland	Farm	IE_0927	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
370	Ireland	Farm	IE_0674	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
371	Ireland	Farm	IE_0639	Mussels	-	EMODnet	17	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
372	Ireland	Farm	IE_0399	Oysters,Clams	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
373	Ireland	Farm	IE_0398	Oysters,Clams	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
374	Ireland	Farm	IE_0949	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
375	Ireland	Farm	IE_0961	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
376	Ireland	Farm	IE_0503	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
377	Ireland	Farm	IE_0504	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
378	Ireland	Farm	IE_0490	Oysters,Clams	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
379	Ireland	Farm	IE_0491	Oysters,Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
380	Ireland	Farm	IE_0964	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
381	Ireland	Farm	IE_0495	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
382	Ireland	Farm	IE_0969	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
383	Ireland	Farm	IE_0483	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
384	Ireland	Farm	IE_0484	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
385	Ireland	Farm	IE_0485	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
386	Ireland	Farm	IE_0481	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
387	Ireland	Farm	IE_0489	Oysters,Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
388	Ireland	Farm	IE_0173	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
389	Ireland	Farm	IE_1094	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	
390	Ireland	Farm	IE_0276	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No	

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025 - 01/2023 - 01/2025)	Temporal overlap with operation (2025-2065)				
391	Ireland	Farm	IE_0277	Mussels	-	EMOOnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No
391	Ireland	Farm	IE_0277	Mussels	-	EMOOnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Aquaculture activities not relevant to offshore ornithology	No	No
The following have been updated since the initial search																				
392	Ireland	Cables	MAC240013	ESB	Replacement of high voltage underground cables (North Wall to Poolbeg, Dublin)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Cables outside of close proximity (50 km) to Oriel	No	No
393	Ireland	Road Infrastructure	MAC20230034	NTA	Proposed road development as part of Ringsend to City Centre Core Bus Corridor Scheme (Ringsend to City Centre)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
395	Ireland	Cables	MAC240061	ESB	Installation of an electrical transmission circuit including submarine cabling within the near-shore area, between Blackrock and Shellybanks, Dublin Bay	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Cables outside of close proximity (50 km) to Oriel	No	No
396	Ireland	Bridge Infrastructure	MAC240014	Dublin City Council	Construction of a pedestrian and cyclist bridge (Point Bridge) to the west of Tom Clarke Bridge, widening of Tom Clarke Bridge, dismantling of existing and construction of a new control room building, dismantling of existing vessel collision structures and construction of new vessel collision structures to the west of the proposed Point Bridge.	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	55	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
397	Ireland	Coastal Infrastructure	MAC20230009	Iarróid Éireann (IE)	Coastal Protection (Merrion Gates to Seapoint Beach, Dublin)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
398	Ireland	Coastal Infrastructure	MAC250028	Iarróid Éireann (IE)	Coastal Protection (Whitlock Beach to South Kilney, Dublin)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
399	Ireland	Coastal Infrastructure	MAC250029	Iarróid Éireann (IE)	Coastal Protection (Bray Head to Greystones North Beach, Wicklow)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
400	Ireland	Coastal Infrastructure	MAC250030	Iarróid Éireann (IE)	Coastal Protection (Kilcoole to Newcastle, Wicklow)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
401	Ireland	Coastal Infrastructure	MAC250031	Iarróid Éireann (IE)	Coastal Protection (Newcastle to Wicklow Murrough, Wicklow)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
403	Ireland	Coastal Infrastructure	MAC250027	Dún Laoghaire Rathdown County Council	Regularisation of preexisting Portonies (Dún Laoghaire, Dublin)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	61	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
404	Ireland	Bridge Infrastructure	MAC240051	Iarróid Éireann	The construction of a pedestrian and cyclist bridge and a riverside boardwalk (Riverside Station)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
406	Ireland	Coastal Infrastructure	MAC250009	Cork County Council	Flood Defence Scheme, Tír Chlainn to Ballinacra, Midleton, Co. Cork	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mac-applications-received/	>100	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Onshore/nearshore works - not relevant to offshore ornithology	No	No
407	Ireland	Research	MUL240028	University College Cork	To co-deploy passive acoustic monitoring devices ("acoustic receivers") in the western Irish Sea and southern Celtic Sea on existing Commission of Irish Lights (CIL) infrastructure to identify the broad scale movements of electronically tagged elasmobranchs (sharks, skates and rays)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mu250008/	>100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
408	Ireland	Dredging	MUL250008	Port of Cork Company	Deposition of dredged marine sediments from Ringaskiddy Basin to facilitate berth extensions with capacity to support Offshore Renewable Energy	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mu250008/	>100	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Near-shore dredging not relevant to offshore ornithology	No	No
409	Ireland	Site Investigations	MUL250003	Dún Laoghaire Rathdown County Council	Marine environmental surveys for the purposes of site investigation – to undertake a suite of marine site investigation activities to assess the feasibility of potential future dredging within the harbour	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mu250003/	62	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
410	Ireland	Site Investigations	MUL250013	Uisce Éireann	Greater Dublin Drainage Project (Baldylee Bay and the Irish Sea)	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mu250013/	>55	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
411	Ireland	Site Investigations	MUL250019	Helvick Head Offshore Wind Designated Activity Company	The proposed site investigation (SI) works are activities required to characterise the physical, biological, and environmental conditions of Maritime Area A – Tonn Nua. The data collected will underpin project design, environmental assessment, and consenting, for any future offshore wind development within Maritime Area A – Tonn Nua.	https://www.maritimeregulator.ie/o-work/maritime-area-consents/mu250019/	>200	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Survey work not relevant to offshore ornithology	No	No
412	Isle of Man	ORE Projects - Windfarm	-	Ovsted	Moor Vannin	https://ovsted.co.uk/moor-vannin/	>180 km	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Yes	No	Yes
413	Wales	ORE Projects - Windfarm	-	Clerco Energy	Llyn Floating Wind Project	https://www.clercoenergy.co.uk/llyn-floating-wind-project/	>300 km	Planning	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Yes	No	Yes

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023-2025)	Tier	Within Zor?	Progress to Stage 2?	Licenceable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025)	Temporal overlap with operation (2025-2069)				
99	United Kingdom	Disposal Site	i591	Belfast Dredgings C	Unknown	EMODnet	97	Unknown	Tier 1	Yes	Yes	Unknown		*	Unknown	Unknown	Yes	No, effects upon the receptor are expected to be limited in temporal and spatial extent	No	No
111	Ireland	Dredging	S0033-01	Dublin Port Company	Dublin Harbour Capital Dredging Project	https://openwebmap.org.ie/terminator/0001065046/view.asp?projno=S0033-01	58	Consented	Tier 1	Yes	Yes	17/12/2024	31/03/2030	*	✓	✓	Yes	No, effects upon the receptor are expected to be limited in extent due to the distance between this project and the Oriel Wind Farm Project Proposed Development, there is no potential for cumulative effects	No	No
113	Ireland	Dredging	S0038-01	Dublin Port Company	Capital Dredging for 3FM Project	https://openwebmap.org.ie/terminator/0001065046/view.asp?projno=S0038-01	58	Planning (Applied11/20/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No, effects upon the receptor are expected to be limited in extent due to the distance between this project and the Oriel Wind Farm Project Proposed Development, there is no potential for cumulative effects	No	No
116	N.Ireland	Marine Disposal	ML2023040	Warrenpoint Harbour	See disposal of dredging material from Warrenpoint Harbour	https://www.data-rs.gov.uk/publications/marine-construction-licence-m/2023040-see-disposal-warrenpoint-harbour	6	Consented	Tier 1	Yes	Yes	27/03/2024	26/03/2027	*	*	*	No	No temporal overlap	No	No
125	Ireland	Navigational dredging (maintenance)	MUL230026	Wicklow County Council	Maintenance dredging of the navigation channel, turning basin and berths within Wicklow Port - Wicklow	https://www.maritimeregulator.ie/publications/mul/230026	96	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No. Project screened out in 2023 due to no conceptual impact pathway.	No	No
130	United Kingdom	Dredging Point	786	Castletown Bay, Isle of Man	Celtic Sea	EMODnet	92	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No, effects upon the receptor are expected to be limited in temporal and spatial extent	No	No
137	United Kingdom	Dredging Point	809	Kilkeel	Celtic Sea	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No, effects upon the receptor are expected to be limited in temporal and spatial extent	No	No
138	United Kingdom	Dredging Point	811	Lagan River/Belfast Lough	Celtic Sea	EMODnet	78	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No, effects upon the receptor are expected to be limited in temporal and spatial extent	No	No
152	United Kingdom	Dredging Point	834	Peel Harbour Isle of Man	Celtic Sea	EMODnet	93	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No, effects upon the receptor are expected to be limited in temporal and spatial extent	No	No
154	United Kingdom	Dredging Point	838	Port St. Mary, Isle of Man	Celtic Sea	EMODnet	86	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No, effects upon the receptor are expected to be limited in temporal and spatial extent	No	No
169	Wales	Removal	CML2331	MaresConnect Ltd	Interconnector Seabed Survey	NRW	59	Unknown	Tier 1	Yes	Yes	12/10/2023	31/12/2025	*	*	*	No	N/A	N/A	No
208	Wales	Deposit	DEM2364	EsGrid PLC	East West Interconnector remedial works	NRW	71	Unknown	Tier 1	Yes	Yes	31/01/2024	30/06/2025	*	*	*	No	N/A	N/A	No
224	Wales	Removal	RML2412	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR1	NRW	79	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No
225	Wales	Removal	RML2413	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR2	NRW	88	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No
226	Wales	Removal	RML2413	McMahon Design & Management Limited	Marine Survey & Site Investigation Works SOBR2	NRW	63	Unknown	Tier 1	Yes	Yes	03/05/2024	16/12/2024	*	*	*	No	N/A	N/A	No
240	Ireland	Port/Marine Infrastructure	314487	Minister for Agriculture, Food and the Marine	Dredging of harbour, reclamation of land, construction of slipway, embankment and rock armour - Howth Fishery Harbour Centre	https://www.gov.ie/en/consultations/8d6d4-howth-harbour-dredging/ https://www.plananet.ie/en/case/314487	51	Consented (30/07/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No, effects upon the receptor are expected to be limited in extent due to the distance between this project and the Oriel Wind Farm Project, there is no potential for cumulative effects	No	No
241	Ireland	Port/Marine Infrastructure	320250	Dublin Port Company	3FM Project - Construction of Lo-Lo container terminal, Ro-Ro freight terminal and other work	https://www.dubport.ie/media/320250	54	Planning (Applied on 23/07/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No, effects upon the receptor are expected to be limited in extent due to the distance between this project and the Oriel Wind Farm Project, there is no potential for cumulative effects	No	No
243	Ireland	Port/ Marine Infrastructure	MAC20230012	Kish Offshore Wind Limited & Bray Offshore Wind Limited	ORE O&M facility in St. Michael's Pier, Dun Laoghaire Harbour	https://www.maritimeregulator.ie/consultations/2024/12/MAC2023012_Amendment_A_redacted.pdf	61	MAC Consent	Tier 2	Yes	Yes	30/10/2024	30/10/2069	*	✓	✓	Yes	No, effects upon the receptor are expected to be limited in extent due to the distance between this project and the Oriel Wind Farm Project, there is no potential for cumulative effects	No	No
245	Ireland	Port/ Marine Infrastructure	MAC240020	Dun Laoghaire Rathdown County Council, Kish Offshore Wind Limited, Bray Offshore Wind Limited	ORE O&M Facility and additional works for Dublin Bray Offshore Wind Farm at Dun Laoghaire Harbour	https://www.maritimeregulator.ie/consultations/2024/12/MAC240020_Amendment_A_redacted.pdf	61	MAC Consent	Tier 2	Yes	Yes	12/11/2024	12/11/2069	*	✓	✓	Yes	No, effects upon the receptor are expected to be limited in extent due to the distance between this project and the Oriel Wind Farm Project, there is no potential for cumulative effects	No	No
246	N.Ireland	Marine Construction	ML2022003	Louth County Council	Narrow Water Bridge Project	https://www.data-rs.gov.uk/publications/marine-construction-licence-m/2022003-narrow-water-bridge-proj	21	MAC Consent	Tier 1	Yes	Yes	29/03/2024	28/03/2027	*	*	*	No	No	N/A	No
249	N.Ireland	Marine Construction	ML2024009	TI LHC Limited	Ground survey work to inform a project interconnector between NI and Scotland	https://www.data-rs.gov.uk/publications/marine-construction-licence-m/2024009-ti-lhc-limited	88	MAC Consent	Tier 1	Yes	Yes	22/01/2025	22/01/2029	*	*	*	No	No	N/A	No
250	N.Ireland	Marine Construction	ML2024011	Northern Ireland Water	Newcastle Central Promenade	https://www.data-rs.gov.uk/publications/marine-construction-licence-m/2024011-newcastle-central-promenade-proj	30	MAC Consent	Tier 1	Yes	Yes	11/11/2024	11/11/2025	*	*	*	No	No	N/A	No
252	N.Ireland	Marine Construction	ML2024027	Translink NIR	Improve Sea defences in Carrickfergus	https://www.data-rs.gov.uk/publications/marine-construction-licence-m/2024027-nir-translink-sea-defences-carrickfergus-before	88	MAC Consent	Tier 1	Yes	Yes	08/04/2025	07/04/2026	*	*	*	No	No	N/A	No
253	N.Ireland	Marine Construction	ML2024030	Bangor Marine Limited	Construction of outfall pipe for storm drainage in Bangor Marina	https://www.data-rs.gov.uk/publications/marine-construction-licence-m/2024030-bangor-marine-outfall-bangor	84	Consented	Tier 1	Yes	Yes	24/03/2025	23/03/2026	*	*	*	No	No	N/A	No
254	Ireland	Water Pipeline Projects	MAC20240008	Uisce Eireann	Upgrade of Water Main Infrastructure beneath River Boyne, Drogheda, Louth	https://www.maritimeregulator.ie/consultations/2024/12/MAC20240008-upgrade-water-main-infrastructure-beneath-river-boyne-drogheda-louth	14	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
267	Ireland	ORE Projects	321635	Arklow Energy Limited	Decommissioning of Arklow Bank Wind Park Phase 1	https://www.plananet.ie/en/case/321635	100	Planning	Tier 3	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No, effects upon the receptor are expected to be limited in extent due to the distance between this project and the Oriel Wind Farm Project, there is no potential for cumulative effects	No	No
269	Ireland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cables of the coasts of Dublin, Meath and Louth	https://www.maritimeregulator.ie/publications/lic/230001/	16	Consented	Tier 1	Yes	Yes	02/08/2024	02/08/2031	*	✓	✓	Yes	Project considered alongside NISA (2022-MAC- 005)	No	No

Other Development Details											Stage 1		Stage 2							
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023-2025)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effects? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	License Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025) ~2023-01-2025-12-31	Temporal overlap with operation (2025-2045) ~2025-01-2045-12-31				
270	Ireland	ORE Site investigations	MUL230034	Coding Wind Park Limited (CWPL)	Survey mobilisations to inform the location and detailed design of the proposed Coding Wind Park DWF, export cable route, potential O&M base, and other associated works - Dublin to Wicklow	https://www.marlineregulator.ie/a/publications/mul230034/	56	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
273	Ireland	Site Investigations	LIC230007	Dublin City Council	Environmental survey and ground investigation works in order to inform the design of proposed Point Bridge and Tom Clarke Widening Project - Dublin	https://www.marlineregulator.ie/a/publications/lic230007/	55	MUL	Tier 1	Yes	Yes	25/06/2025	25/06/2027	*	*	*	No	No temporal overlap	N/A	No
276	Ireland	Site Investigations	MUL240008	MaresConnect Ltd	Site investigation surveys to assess various factors associated with the interconnector project - Dublin	https://www.marlineregulator.ie/a/publications/mul230036-2/	37	MUL	Tier 1	Yes	Yes	30/06/2025	30/06/2030	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
277	Ireland	Site Investigations	MUL240023	Iamróid Eireann	Geotechnical Investigation, Geophysical site investigation surveys, ecology and marine archaeology surveys to inform design options for the proposed East Coast Flat Infrastructure Protection Projects (ECIPP), Dublin to Wicklow	https://www.marlineregulator.ie/a/publications/mul240023/	58	MUL	Tier 1	Yes	Yes	22/10/2025	22/10/2031	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
278	Ireland	Site Investigations	MUL240011	Bremore Ireland Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure, Dublin and Meath	https://www.marlineregulator.ie/a/publications/mul240011/	6	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
285	Ireland	Site Investigations	MUL240010	EirGrid	Site Investigations to inform design and environmental assessment of Electrical Cable Circuit crossing Dublin Bay	https://www.marlineregulator.ie/a/publications/licence-application-mul240010/	55	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
289	UK	Surface Infrastructure	TERMINAL	unknown	BRAYMORE POINT	NSTA	22	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
316	UK	Surface Infrastructure	TERMINAL	unknown	LOUGHSHINNY	NSTA	36	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
334	Ireland	Coastal Infrastructure	MAC20240007	Fingal County Council	Coastal Protection including Flood Embankment, Flood Wall and other works Outfall at Sir John Rogerson's Quay as part of the Grand Canal Docks Storm Water Outfall Extension project	https://www.marlineregulator.ie/a/publications/mac20240007/	39	MAC Consent	Tier 2	Yes	Yes	28/07/2025	28/07/2080	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
340	Ireland	Storm Outfall	MAC240028	Dublin City Council	Rogerson's Quay as part of the Grand Canal Docks Storm Water Outfall Extension project	https://www.marlineregulator.ie/a/publications/mac240028/	55	MAC Consent	Tier 2	Yes	Yes	17/07/2025	14/07/2080	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
342	Ireland	Recreation facility	MAC20230015	Dún Laoghaire - Rathdown County Council	Installation of Water Park, Dún Laoghaire Harbour	https://www.marlineregulator.ie/a/publications/mac20230015/	61	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
353	Ireland	Research	MUL240004	Dublin City University	Deployment of Research Buoy, Dún Laoghaire Coast	https://www.marlineregulator.ie/a/publications/mul240004/	62	Withdrawn MUL (Application)	Tier 1	Yes	Yes	N/A	N/A	*	*	*	No	Project withdrawn	No	No
355	N.Ireland	Research	ML2024031	DAERA, Marine conservation Reporting	Elasmobranch Acoustic Monitoring Project	https://www.doea-ni.gov.uk/publications/elasmobranch-acoustic-monitoring-project-m2024031/	23	Consented	Tier 1	Yes	Yes	31/05/2025	31/05/2028	*	*	*	No	N/A	N/A	No
356	Ireland	Farm	IE_0172	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
357	Ireland	Farm	IE_1092	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
358	Ireland	Farm	IE_1031	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
359	Ireland	Farm	IE_1118	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
360	Ireland	Farm	IE_1050	Oysters	-	EMODnet	7	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
361	Ireland	Farm	IE_1063	Mussels	-	EMODnet	14	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
362	Ireland	Farm	IE_1068	Mussels	-	EMODnet	15	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
363	Ireland	Farm	IE_1071	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
364	Ireland	Farm	IE_0629	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
365	Ireland	Farm	IE_0655	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
366	Ireland	Farm	IE_0656	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
367	Ireland	Farm	IE_0657	Mussels	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
368	Ireland	Farm	IE_0654	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
369	Ireland	Farm	IE_0627	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
370	Ireland	Farm	IE_0674	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
371	Ireland	Farm	IE_0638	Mussels	-	EMODnet	17	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
372	Ireland	Farm	IE_0399	Oysters/Clams	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
373	Ireland	Farm	IE_0398	Oysters/Clams	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
374	Ireland	Farm	IE_0940	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
375	Ireland	Farm	IE_0961	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
376	Ireland	Farm	IE_0503	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
377	Ireland	Farm	IE_0504	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
378	Ireland	Farm	IE_0490	Oysters/Clams	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
379	Ireland	Farm	IE_0491	Oysters/Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
380	Ireland	Farm	IE_0664	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
381	Ireland	Farm	IE_0495	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
382	Ireland	Farm	IE_0989	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
383	Ireland	Farm	IE_0483	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
384	Ireland	Farm	IE_0484	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No
385	Ireland	Farm	IE_0485	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No

Other Development Details											Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 08/2023-2025)	Tier	Within Zor?	Progress to Stage 2?	Licenceable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2025) or (2023-2026)	Temporal overlap with operation (2028-2045)					
386	Ireland	Farm	IE_0481	Oysters	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
387	Ireland	Farm	IE_0489	Oysters/Clams	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
388	Ireland	Farm	IE_0173	Oysters	-	EMOOnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
389	Ireland	Farm	IE_1094	Mussels	-	EMOOnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
390	Ireland	Farm	IE_0276	Mussels	-	EMOOnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
391	Ireland	Farm	IE_0277	Mussels	-	EMOOnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
The following have been updated since the initial search																					
392	Ireland	Cables	MAC240013	ESB	Replacement of high voltage underground cables (North Wall to Poolbeg, Dublin)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
393	Ireland	Road Infrastructure	MAC20230034	NTA	Proposed road development as part of Ringland to City Centre Core Bus Corridor Scheme (Ringland to City Centre)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
395	Ireland	Cables	MAC240061	ESB	Installation of an electrical transmission circuit including submarine cabling within the near-shore area, between Blackrock and Shellybanks, Dublin Bay	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
396	Ireland	Bridge Infrastructure	MAC240014	Dublin City Council	Construction of a pedestrian and cyclist bridge (Point Bridge) to the west of Tom Clarke Bridge, widening of Tom Clarke Bridge, dismantling of existing and construction of a new control room building, dismantling of existing vessel collision structures and construction of new vessel collision structures to the west of the proposed Point Bridge.	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
397	Ireland	Coastal Infrastructure	MAC20230009	Iarnród Éireann (IE)	Coastal Protection (Merion Gates to Seapoint Beach, Dublin)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
398	Ireland	Coastal Infrastructure	MAC250028	Iarnród Éireann (IE)	Coastal Protection (Whitewick Beach to South Kiliney, Dublin)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
399	Ireland	Coastal Infrastructure	MAC250029	Iarnród Éireann (IE)	Coastal Protection (Bray Head to Greystones North Beach, Wicklow)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
400	Ireland	Coastal Infrastructure	MAC250030	Iarnród Éireann (IE)	Coastal Protection (Kilcock to Newcastle, Wicklow)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
401	Ireland	Coastal Infrastructure	MAC250031	Iarnród Éireann (IE)	Coastal Protection (Newcastle to Wicklow Murrugh, Wicklow)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
403	Ireland	Coastal Infrastructure	MAC250027	Laoghaire Rathdown County Co	Regularisation of preexisting Pontoons (Dun Laoghaire, Dublin)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>70	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
404	Ireland	Bridge Infrastructure	MAC240051	Iarnród Éireann	The construction of a pedestrian and cyclist bridge and a riverside boardwalk (Heuston Station)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
409	Ireland	Site Investigations	MUL250003	Dun Laoghaire Rathdown County Council	Marine environmental surveys for the purposes of site investigation - to undertake a suite of marine site investigation activities to assess the feasibility of potential future dredging within the harbour	https://www.marlineregulator.ie/ir-work/marine-area-consents/mul250003/	>70	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	
410	Ireland	Site Investigations	MUL250013	Uisce Éireann	Greater Dublin Drainage Project (Balylee Bay and the Irish Sea)	https://www.marlineregulator.ie/ir-work/marine-area-consents/mul250013/	>60	MUL (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No effect-receptor pathway. Screened out of assessment.	No	No	

Other Development Details											Stage 1		Stage 2							
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/2023 - 2024)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatiotemporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (04/2023 - 2027)	Temporal overlap with operation (2028 - 2050)				
116	N.Ireland	Marine Disposal	ML2023040	Warrenpoint Harbour	Sea disposal of dredging material from Warrenpoint Harbour	https://www.dema-ni.gov.uk/publications/marine-science/ml2023040-sea-disposal-warrenpoint-harbour	6	Consented	Tier 1	Yes	Yes	27/03/2024	26/03/2027	x	x	x	No	No temporal overlap with Oriel Wind Farm Project.	No	No
137	United Kingdom	Dredging Point	809	Kilkeel	Celtic Sea	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
246	N.Ireland	Marine Construction	ML2022003	Louth County Council	Narrow Water Bridge Project	https://www.dema-ni.gov.uk/publications/marine-science/ml2022003-narrow-water-bridge-project	21	Consented	Tier 1	Yes	Yes	29/03/2024	28/03/2027	x	x	x	No	No temporal overlap with Oriel Wind Farm Project.	No	No
250	N.Ireland	Marine Construction	ML2024011	Northern Ireland Water	Newcastle Central Promenade	https://www.dema-ni.gov.uk/publications/marine-science/ml2024011-newcastle-central-promenade-northern-ireland-water	30	Consented	Tier 1	Yes	Yes	11/11/2024	11/11/2025	x	x	x	No	No temporal overlap with Oriel Wind Farm Project.	No	No
254	Ireland	Water Pipeline Projects	MAC20240008	Uisce Éireann	Upgrade of Water Mains Infrastructure beneath River Boyne, Drogheda, Louth	https://www.maritimesregulator.ie/ia-projects/marine-areas-connects/development-proposed/	14	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No pathway for impact on shipping and navigation receptors in vicinity of Oriel Wind Farm Project.	No	No
269	Ireland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and report cable of the coasts of Dublin, Meath and Louth	https://www.maritimesregulator.ie/ia-projects/marine-areas-plifications/mu230001/	16	MUL	Tier 1	Yes	Yes	02/08/2024	02/08/2031	x	✓	✓	Yes	No - the site investigation activities are localised and short term in nature with sufficient sea room between these activities and the Oriel Application Boundary for safe navigation to be conducted.	N/A	No
276	Ireland	Site investigations	MUL240008	MaresConnect Ltd	Site investigation surveys to assess various factors associated with the interconnector project - Dublin	https://www.maritimesregulator.ie/ia-projects/marine-areas-plifications/mu230036-2/	37	MUL	Tier 1	Yes	Yes	30/09/2025	30/06/2030	x	✓	✓	Yes	Yes		Yes
278	Ireland	Site Investigations	MUL240011	Bremore Ireland Port Designated Activity Company (BPDAC)	Site investigations to inform the location and design of a proposed port infrastructure Dublin and Meath	https://www.maritimesregulator.ie/ia-projects/marine-areas-plifications/mu240011/	6	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	Yes		Yes
289	UK	Surface Infrastructure	TERMINAL	unknown	BRAYMORE POINT	NSTA	22	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No offshore activities.	No	No
316	UK	Surface Infrastructure	TERMINAL	unknown	LOUGHSHINNY	NSTA	36	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No offshore activities.	No	No
334	Ireland	Coastal Infrastructure	MAC20240007	Fingal County Council	Coastal Protection including Flood Embankment, Flood Wall and other works	https://www.maritimesregulator.ie/ia-projects/marine-areas-connects/development-proposed/	39	MAC Consent	Tier 2	Yes	Yes	26/07/2025	26/07/2080	x	✓	✓	Yes	No offshore activities.	No	No
355	N.Ireland	Research	ML2024031	DAERA Marine conservation Reporting	Elasmobranch Acoustic Monitoring Project	https://www.dema-ni.gov.uk/publications/marine-science/ml2024031-elasmobranch-acoustic-monitoring-project	23	Consented	Tier 1	Yes	Yes	07/06/2025	31/05/2028	x	x	x	No	No temporal overlap with Oriel Wind Farm Project.	No	No
356	Ireland	Farm	IE_0172	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
357	Ireland	Farm	IE_1092	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
358	Ireland	Farm	IE_1031	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
359	Ireland	Farm	IE_1118	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
360	Ireland	Farm	IE_1050	Oysters	-	EMODnet	7	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
361	Ireland	Farm	IE_1063	Mussels	-	EMODnet	14	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
362	Ireland	Farm	IE_1068	Mussels	-	EMODnet	15	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
363	Ireland	Farm	IE_1071	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
364	Ireland	Farm	IE_0629	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
365	Ireland	Farm	IE_0655	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
366	Ireland	Farm	IE_0656	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
367	Ireland	Farm	IE_0657	Mussels	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
368	Ireland	Farm	IE_0654	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
369	Ireland	Farm	IE_0627	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
370	Ireland	Farm	IE_0674	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
371	Ireland	Farm	IE_0639	Mussels	-	EMODnet	17	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
372	Ireland	Farm	IE_0399	Oysters,Clams	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
373	Ireland	Farm	IE_0388	Oysters,Clams	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No
374	Ireland	Farm	IE_0949	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014 so these projects will already be taken into account within the baseline traffic assessment	No	No

Other Development Details											Stage 1		Stage 2							
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 04/02/2025)	Tier	Within Zo?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2025-2027) or operation (2028-2035)	Temporal overlap with operation (2028-2035)				
375	Ireland	Farm	IE_0961	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
376	Ireland	Farm	IE_0903	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
377	Ireland	Farm	IE_0904	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
378	Ireland	Farm	IE_0480	Oysters,Clams	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
379	Ireland	Farm	IE_0491	Oysters,Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
380	Ireland	Farm	IE_0964	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
381	Ireland	Farm	IE_0485	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
382	Ireland	Farm	IE_0969	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
383	Ireland	Farm	IE_0483	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
384	Ireland	Farm	IE_0484	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
385	Ireland	Farm	IE_0485	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
386	Ireland	Farm	IE_0481	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
387	Ireland	Farm	IE_0489	Oysters,Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
388	Ireland	Farm	IE_0173	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
389	Ireland	Farm	IE_1094	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
390	Ireland	Farm	IE_0276	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No
391	Ireland	Farm	IE_0277	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	The database on shellfish aquaculture in the EU was created in 2014so these projects will already be taken into account within the baseline traffic assessment	No	No

Other Development Details											Stage 1		Stage 2							
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 09/06/2025)	Tier	Within 20ft	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (05-2025-2027)	Temporal overlap with operation (2028-2043)				
116	N.Ireland	Marine Disposal	ML2023040	Warrenpoint Harbour	Sea disposal of dredging material from Warrenpoint Harbour	https://www.dema-ni.gov.uk/publications/maimaps/licence-m2023040-sea-disposal-warrenpoint-harbour	6	Consented	Tier 1	Yes	Yes	27/03/2024	26/03/2027	*	*	*	No	No - no temporal overlap	N/A	No
137	United Kingdom	Dredging Point	809	Kilkeel	Celtic Sea	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No due to limited extent of impacts	No	No
246	N.Ireland	Marine Construction	ML2022003	Louth County Council	Narrow Water Bridge Project	https://www.dema-ni.gov.uk/publications/maimaps/licence-m2022003-narrow-water-bridge-project	21	Consented	Tier 1	Yes	Yes	29/03/2024	28/03/2027	*	✓	*	Yes	No due to limited extent of impacts	No	No
254	Ireland	Water Pipeline Projects	MAC20240008	Ulster Eireann	Upgrade of Water Mains Infrastructure beneath River Boyne, Drogheda, Louth	https://www.marlineregulator.ie/sr-wc/marine-area-consents/applications-received/	14	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	No	No
269	Ireland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NSA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	https://www.marlineregulator.ie/applications/lic230001/	16	MUL	Tier 1	Yes	Yes	02/08/2024	02/08/2031	*	✓	✓	Yes	Yes	No	Yes
278	Ireland	Site Investigations	MUL240011	Bremore Island Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure, Dublin and Meath	https://www.marlineregulator.ie/applications/mul240011/	6	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - on basis that no consent / no licence and initial works were due to take place in 2024	No	No
289	UK	Surface Infrastructure	TERMINAL	unknown	BRAYMORE POINT	NSTA	22	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No due to limited extent of impacts	N/A	No
355	N.Ireland	Research	ML2024031	DAERA Marine conservation Reporting	Elasmobranch Acoustic Monitoring Project	https://www.dema-ni.gov.uk/publications/maimaps/eh-branch-acoustic-monitoring-project-m2024031	23	Consented	Tier 1	Yes	Yes	07/06/2025	31/05/2028	*	*	*	No	No temporal overlap	N/A	No
356	Ireland	Farm	IE_0172	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
357	Ireland	Farm	IE_1092	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
358	Ireland	Farm	IE_1031	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
359	Ireland	Farm	IE_1118	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
360	Ireland	Farm	IE_1050	Oysters	-	EMODnet	7	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
361	Ireland	Farm	IE_1063	Mussels	-	EMODnet	14	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
362	Ireland	Farm	IE_1068	Mussels	-	EMODnet	15	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
363	Ireland	Farm	IE_1071	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
364	Ireland	Farm	IE_0629	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
365	Ireland	Farm	IE_0655	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
366	Ireland	Farm	IE_0656	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
367	Ireland	Farm	IE_0657	Mussels	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
368	Ireland	Farm	IE_0654	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
369	Ireland	Farm	IE_0527	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
370	Ireland	Farm	IE_0674	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
371	Ireland	Farm	IE_0639	Mussels	-	EMODnet	17	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
372	Ireland	Farm	IE_0399	Oysters,Clams	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
373	Ireland	Farm	IE_0398	Oysters,Clams	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
374	Ireland	Farm	IE_0949	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
375	Ireland	Farm	IE_0961	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
376	Ireland	Farm	IE_0503	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
377	Ireland	Farm	IE_0504	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
378	Ireland	Farm	IE_0490	Oysters,Clams	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
379	Ireland	Farm	IE_0491	Oysters,Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
380	Ireland	Farm	IE_0964	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
381	Ireland	Farm	IE_0495	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
382	Ireland	Farm	IE_0969	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
383	Ireland	Farm	IE_0483	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
384	Ireland	Farm	IE_0484	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
385	Ireland	Farm	IE_0485	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
386	Ireland	Farm	IE_0481	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
387	Ireland	Farm	IE_0489	Oysters,Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
388	Ireland	Farm	IE_0173	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
389	Ireland	Farm	IE_1094	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
390	Ireland	Farm	IE_0276	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No
391	Ireland	Farm	IE_0277	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	No effect-receptor pathway. Screened out of assessment	No	No

Other Development Details										Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 000000-0000)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4	
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2024-2025-2027)	Temporal overlap with operation (2028-2030)					
111	Ireland	Dredging	S0033-01	Dublin Port Company	Dublin Harbour Capital Dredging Project	https://epwwebapp.spa.ie/terminal/southcoast/view.asp?project=50033-01	58	Consented	Tier 1	Yes	Yes	17/12/2024	31/03/2030	*	✓	✓	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further	N/A	No	
113	Ireland	Dredging	S0038-01	Dublin Port Company	Capital Dredging for 3FM Project	https://epwwebapp.spa.ie/terminal/southcoast/view.asp?project=50038-01	58	Planning (Applied 1/20/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further	N/A	No	
116	N.Ireland	Marine Disposal	ML2023040	Warrenpoint Harbour	Sea disposal of dredging material from Warrenpoint Harbour	https://www.dema-ni.gov.uk/publications/marine-science-m2023040-sea-disposal-warrenpoint-harbour	6	Consented	Tier 1	Yes	Yes	27/03/2024	26/03/2027	*	*	*	No	No temporal overlap with updated construction programme for Oriel Wind Farm Project	N/A	No	
137	United Kingdom	Dredging Point	809	Kilkeel	Celtic Sea	EMOOnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Not considered further within SLVIA as additional shipping movements associated with this development would be difficult to differentiate from existing shipping movements in proximity to Oriel Wind Farm Project	N/A	No	
169	Wales	Removal	CML2331	MaresConnect Ltd	Interconnector Seabed Survey	NRW	59	Unknown	Tier 1	Yes	Yes	12/10/2023	31/12/2026	*	*	*	No	No temporal overlap with updated construction programme for Oriel Wind Farm Project	N/A	No	
240	Ireland	Port/Marine Infrastructure	314487	Minister for Agriculture, Food and the Marine	Dredging of harbour, reclamation of land, construction of slipway, embankment and rock armour - Howth Fishery Harbour Centre	https://www.gov.ie/en/consultation/68d64-howth-harbour-dredging	51	Consented (30/07/2024)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Not considered further within SLVIA as additional shipping movements associated with this development would be difficult to differentiate from existing shipping movements within the SLVIA Study Area	No	No	
246	N.Ireland	Marine Construction	ML2022003	Louth County Council	Narrow Water Bridge Project	https://www.dema-ni.gov.uk/publications/marine-science-m2022003-narrow-water-bridge-project	21	Consented	Tier 1	Yes	Yes	29/03/2024	28/03/2027	*	✓	*	Yes	No - consented project lies within Carlingford Lough where limited visibility of Oriel Wind Farm Project is predicted to be experienced. Also review of current aerial imagery the project appears to be under construction so likely to be completed before Oriel Wind farm Project	N/A	No	
250	N.Ireland	Marine Construction	ML2024011	Northern Ireland Water	Newcastle Central Promenade	https://www.dema-ni.gov.uk/publications/marine-science-m2024011-newcastle-central-promenade-northern-ireland-water	30	Consented	Tier 1	Yes	Yes	11/11/2024	11/11/2026	*	*	*	No	No - project now consented and no longer has temporal overlap	N/A	No	
254	Ireland	Water Pipeline Projects	MAC2024008	Uisce Éireann	Upgrade of Water Mains Infrastructure beneath River Boyne, Drogheda, Louth	https://www.maritimeregulator.ie/updates/marine-applications/marine-applications-received/	14	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - Project located in an area predicted to experience no or very limited visibility of Oriel Wind Farm Project within urban form therefore no cumulative interaction	N/A	No	
269	Ireland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	https://www.maritimeregulator.ie/publications/lic230001/	16	MUL	Tier 1	Yes	Yes	02/08/2024	02/08/2031	*	✓	✓	Yes	Yes		Yes	
273	Ireland	Site Investigations	LIC230007	Dublin City Council	Environmental survey and ground investigation works in order to inform the design of proposed Point Bridge and Tom Clarke Widening Project - Dublin	https://www.maritimeregulator.ie/publications/lic230007/	55	MUL	Tier 1	Yes	Yes	25/06/2025	25/06/2027	*	*	*	No	No - project now consented and no longer has temporal overlap	N/A	No	
276	Ireland	Site Investigations	MUL240008	MaresConnect Ltd	Site investigation surveys to assess various factors associated with the interconnector project - Dublin	https://www.maritimeregulator.ie/publications/mul230036-2/	37	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - Additional shipping movements associated with investigation works - temporary in nature and far south of Oriel Wind Farm Project works.	N/A	No	
277	Ireland	Site Investigations	MUL240023	Iarnród Éireann	Geotechnical Investigation, Geophysical site investigation surveys, ecology and marine archaeology surveys to inform design options for the proposed East Coast Rail Infrastructure Protection Projects (ECRIPP), Dublin to Wicklow	https://www.maritimeregulator.ie/publications/mul240023/	58	MUL	Tier 1	Yes	Yes	22/10/2025	22/10/2031	*	✓	✓	Yes	No - Additional shipping movements associated with investigation works - temporary in nature and far south of Oriel Wind Farm Project works.	N/A	No	
278	Ireland	Site Investigations	MUL240011	Bremore Ireland Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure, Dublin and Meath	https://www.maritimeregulator.ie/publications/mul240011/	6	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - Additional shipping movements associated with investigation works - temporary in nature and far south of Oriel Wind Farm Project works.	N/A	No	
289	UK	Surface Infrastructure	TERMINAL	unknown	BRAYMORE POINT	NSTA	22	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - Surface infrastructure / construction operations not easily read in combination with Oriel Wind Farm Project	N/A	No	
316	UK	Surface Infrastructure	TERMINAL	unknown	LOUGHSHINNY	NSTA	36	Active	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - Surface infrastructure / construction operations not easily read in combination with Oriel Wind Farm Project	N/A	No	
334	Ireland	Coastal Infrastructure	MAC20240007	Fingal County Council	Coastal Protection including Flood Embankment, Flood Wall and other works	https://www.maritimeregulator.ie/updates/marine-applications/marine-applications-received/	39	MAC Consent	Tier 2	Yes	Yes	28/07/2025	28/07/2080	*	✓	✓	Yes	No - Localised impacts arising from the proposed project not easily read in combination with Oriel Wind Farm Project	N/A	No	

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 000000-0000)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2024-2027)	Temporal overlap with operation (2028-2060)				
352	Ireland	Aquaculture	MUL230032	University College Dublin	Introduction of Native Oysters to nearshore sites with eco-engineered habitat units, Dublin Coast	https://www.marlinregulator.ie/applications/mul230032	50	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - Northern sites D, F & G located in areas predicted to experience no visibility of Oriel. Site C located in area predicted to experience visibility however boat movements are a common feature and individual boat movements associated with the proposed scheme would be difficult to discern	N/A	No
355	N.Ireland	Research	ML2024031	DAERA, Marine conservation Reporting	Elasmobranch Acoustic Monitoring Project	https://www.dema-ni.gov.uk/publications/elasmobranch-acoustic-monitoring-project-ml2024031	23	Consented	Tier 1	Yes	Yes	07/06/2025	31/05/2028	*	*	*	No	No - project now consented and no longer has temporal overlap	N/A	No
356	Ireland	Farm	IE_0172	Oysters	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
357	Ireland	Farm	IE_1052	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
358	Ireland	Farm	IE_1031	Oysters	-	EMOOnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
359	Ireland	Farm	IE_1118	Oysters	-	EMOOnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
360	Ireland	Farm	IE_1050	Oysters	-	EMOOnet	7	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
361	Ireland	Farm	IE_1063	Mussels	-	EMOOnet	14	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
362	Ireland	Farm	IE_1068	Mussels	-	EMOOnet	15	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
363	Ireland	Farm	IE_1071	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
364	Ireland	Farm	IE_0629	Mussels	-	EMOOnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
365	Ireland	Farm	IE_0655	Mussels	-	EMOOnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
366	Ireland	Farm	IE_0656	Mussels	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
367	Ireland	Farm	IE_0657	Mussels	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
368	Ireland	Farm	IE_0654	Mussels	-	EMOOnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
369	Ireland	Farm	IE_0627	Mussels	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
370	Ireland	Farm	IE_0674	Mussels	-	EMOOnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
371	Ireland	Farm	IE_0639	Mussels	-	EMOOnet	17	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
372	Ireland	Farm	IE_0399	Oysters,Clams	-	EMOOnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
373	Ireland	Farm	IE_0398	Oysters,Clams	-	EMOOnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
374	Ireland	Farm	IE_0949	Oysters	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
375	Ireland	Farm	IE_0961	Oysters	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
376	Ireland	Farm	IE_0503	Oysters	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
377	Ireland	Farm	IE_0504	Oysters	-	EMOOnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
378	Ireland	Farm	IE_0490	Oysters,Clams	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
379	Ireland	Farm	IE_0491	Oysters,Clams	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
380	Ireland	Farm	IE_0964	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Distance from Oriel Application Boundary (km)	Status of Project (as of 000000-0000)	Tier	Within 20?	Progress to Stage 2?	Licenceable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2024-2027)	Temporal overlap with operation (2023-2026)				
381	Ireland	Farm	IE_0495	Oysters	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
382	Ireland	Farm	IE_0969	Oysters	-	EMOOnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
383	Ireland	Farm	IE_0483	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
384	Ireland	Farm	IE_0484	Oysters	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
385	Ireland	Farm	IE_0485	Oysters	-	EMOOnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
386	Ireland	Farm	IE_0481	Oysters	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
387	Ireland	Farm	IE_0489	Oysters/Clams	-	EMOOnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
388	Ireland	Farm	IE_0173	Oysters	-	EMOOnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
389	Ireland	Farm	IE_1094	Mussels	-	EMOOnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
390	Ireland	Farm	IE_0276	Mussels	-	EMOOnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
391	Ireland	Farm	IE_0277	Mussels	-	EMOOnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	*	Unknown	Unknown	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
The following have been updated since the initial search.																				
396	Ireland	Bridge Infrastructure	MAC24014	Dublin City Council	Construction of a pedestrian and cyclist bridge (Point Bridge) to the west of Tom Clarke Bridge, widening of Tom Clarke Bridge, dismantling of existing and construction of a new control room building, dismantling of existing vessel collision structures and construction of new vessel collision structures to the west of the proposed Point Bridge.	https://www.marlineregulator.ie/our-work/maritime-area-consents/imac-applications-received/	55	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	Project lies within SLVIA Study Area, but limited cumulative interaction and not considered further.	N/A	No
400	Ireland	Coastal Infrastructure	MAC250030	Iamrdot Eireann (IE)	Coastal Protection (Kilcoole to Newcastle, Wicklow)	https://www.marlineregulator.ie/our-work/maritime-area-consents/imac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway	N/A	No
408	Ireland	Site Investigations	MUL250013	Uisce Eireann	Greater Dublin Drainage Project (Baldryle Bay and the Irish Sea)	https://www.marlineregulator.ie/applications/mul250013/	>55	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No - no potential for receptor-impact pathway	N/A	No

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Other Development Details										Stage 1			Stage 2									
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source	Minimum distance from Orléan Application Boundary (km)	Status of Project (as of 06/2023-03/2024)	Tier	Within ZOI?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project				Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4	
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction (2023-2024)	Temporal overlap with operation (2024-2044)						
226	Wales	Removal	RM.2413	Mediation Design & Management Limited	Marine Survey & Site Investigation Works S2/NR2	NRW	63	Unknown		Tier 1	Yes	Yes	03/06/2024	16/12/2024	*	*	*	No	No temporal overlap	N/A	No	
237	Wales	Removal	RM.2444	Mona Offshore Wind Farm 2024 Deep Electromechanical Survey		NRW	130	Unknown		Tier 1	Yes	Yes	16/09/2024	17/09/2025	*	*	*	No	No temporal overlap	N/A	No	
239	Wales	Construction	CML 1643	NRW	Repair and improve sea defence investment	NRW	188	Unknown		Tier 1	Yes	Yes	06/02/2019	31/12/2054	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
240	Inland	Port/Marine Infrastructure	314487	Minister for Agriculture, Food and the Marine	Dredging of harbour, reclamation of land, construction of dike,ry, embankment and rock armour - Heathy Fishery Harbour Centre	https://www.gov.ie/en/corpus-fallor/314487-heathy-harbour-dredging/	51	Consented (30/7/2024)		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
241	Inland	Port/Marine Infrastructure	320250	Dublin Port Company	ENM Project - Construction of LULU container terminal, Ro-Ro freight terminal and other work	https://www.dubairport.ie/masterplan/2040/	54	Planning (Applied on 23/07/2024)		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
243	Inland	Port/Marine Infrastructure	MAC20230012	Kish Offshore Wind Limited & Bray Offshore Wind Limited	ORE O&M facility in St. Michael's Pier, Dun Laoghaire Harbour	https://www.maritimeregulator.ie/licensing/updates/2024/12/MAC20230012-Amendment-A-rejected.pdf	61	MAC Consent		Tier 2	Yes	Yes	30/10/2024	30/10/2069	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
245	Inland	Port/Marine Infrastructure	MAC240020	Dun Laoghaire Rathdown County Council, Kish Offshore Wind Farm & Dun Laoghaire Offshore Wind Limited	ORE O&M Facility and additional works for Dublin Ayr Offshore Wind Farm at Dun Laoghaire Harbour	https://www.maritimeregulator.ie/licensing/updates/2024/12/MAC240020-Amendment-A-rejected.pdf	61	MAC Consent		Tier 2	Yes	Yes	12/11/2024	12/11/2069	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
246	N Ireland	Marine Construction	ML2022003	Louth County Council	Narrow Water Bridge Project	https://www.darra-ri.gov.uk/publications/marine-construction-licence-m2022003-narrow-water-bridge-project	21	Consented		Tier 1	Yes	Yes	29/03/2024	28/03/2027	*	*	*	No	No temporal overlap	N/A	No	
248	N Ireland	Marine Construction	ML2023029	North Channel Wind Limited	Marine Surveys to inform location and design of offshore windfarm and cable route	https://www.darra-ri.gov.uk/publications/marine-construction-licence-m2023029-north-channel-windfarm-surveys	101	Consented		Tier 1	Yes	Yes	01/04/2025	01/04/2028	*	*	*	No	No temporal overlap	N/A	No	
249	N Ireland	Marine Construction	ML2024009	TI LHC Limited	Ground survey work to inform a project: interconnector between NI and Scotland	https://www.darra-ri.gov.uk/publications/marine-construction-licence-m2024009-ti-lhc-limited	88	Consented		Tier 1	Yes	Yes	22/01/2025	22/01/2028	*	*	*	No	No temporal overlap	N/A	No	
250	N Ireland	Marine Construction	ML2024011	Northern Inland Water	Newcastle Central Promenade	https://www.darra-ri.gov.uk/publications/marine-construction-licence-m2024011-northern-inland-water-promenade	30	Consented		Tier 1	Yes	Yes	11/11/2024	11/11/2025	*	*	*	No	No temporal overlap	N/A	No	
252	N Ireland	Marine Construction	ML2024027	Translink NIR	Improve Sea defences in Carraduff	https://www.darra-ri.gov.uk/publications/marine-construction-licence-m2024027-translink-sea-defences-carraduff-northern-boneyabbey	88	Consented		Tier 1	Yes	Yes	08/04/2025	07/04/2028	*	*	*	No	No temporal overlap	N/A	No	
253	N Ireland	Marine Construction	ML2024030	Bangor Marine Limited	Construction of outfall pipe for storm drainage in Bangor Marina	https://www.darra-ri.gov.uk/publications/marine-construction-licence-m2024030-bangor-marine-outfall-pipe	84	Consented		Tier 1	Yes	Yes	24/03/2025	23/03/2028	*	*	*	No	No temporal overlap	N/A	No	
254	Inland	Water Pipeline Projects	MAC2/2024008	Ulster Eirann	Upgrade of Water Main infrastructure beneath River Boyne, Drogheda, Louth	https://www.maritimeregulator.ie/licensing/updates/maritime-construction-licence-m2024008-ulster-eirann	14	MAC Consent (Application)		Tier 2	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
257	UK	ORE Projects - Windfarm Cables	-	North Hogle Wind Farm Limited	North Hogle	https://www.darra-ri.gov.uk/publications/marine-construction-licence-m2019017-north-hogle-wind-farm	179	Operational		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Windfarm cables not relevant to bats in the marine environment	N/A	No	
258	UK	ORE Projects - Windfarm Cables	-	Rhyf Flats Wind Farm Ltd.	Rhyf Flats	https://www.darra-ri.gov.uk/publications/marine-construction-licence-m2019017-rhyf-flats-wind-farm	167	Operational		Tier 1	Yes	Yes	Production begins 02/2011	Estimated site life 2031 to 2061	*	✓	✓	Yes	No Windfarm cables not relevant to bats in the marine environment	N/A	No	
259	UK	ORE Projects - Windfarm Cables	-	Awel Y Mor Offshore Wind Farm Limited	Awel y Mor OFTO	TCE	161	Consented		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Windfarm cables not relevant to bats in the marine environment	N/A	No	
260	UK	ORE Projects - Windfarm Cables	-	Awel Y Mor Offshore Wind Farm Limited	Awel y Mor ONW Cable Crossing	TCE	162	Consented		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Windfarm cables not relevant to bats in the marine environment	N/A	No	
267	Inland	ORE Projects	321635	Aklow Energy Limited	Aklow Bank Wind Park Phase 1	https://www.darra-ri.gov.uk/case/321635	100	Planning to Decommission		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Decommissioning works of phase 1 are not associated with the impacts relevant to off shore bats in the Orléan EIA	N/A	No	
269	Inland	ORE Site Investigations	LIC230001	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	https://www.maritimeregulator.ie/licensing/updates/m20230001	16	MUL		Tier 1	Yes	Yes	02/08/2024	02/08/2031	*	✓	✓	Yes	No potential for impacts from project to impact offshore bats receptors	N/A	No	
270	Inland	ORE Site Investigations	MUL230004	Codling Wind Park Limited (CWPL)	Survey mobilisations to inform the location and detailed design of the proposed Codling Wind Park OWF export cable route, potential O&M base, and other associated works - Dublin to Wicklow	https://www.maritimeregulator.ie/licensing/updates/m20230004	56	MUL (Application)		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Referring to site investigations only which does not have relevance to bats in the marine environment. For relevant impacts associated with the operation of Codling wind farm see the project update tab.	N/A	No	
273	Inland	Site Investigations	LIC230007	Dublin City Council	Environmental survey and ground investigation works in order to inform the design of proposed Point Bridge and Tom Clarke Widening Project - Dublin	https://www.maritimeregulator.ie/licensing/updates/m20230007	55	MUL		Tier 1	Yes	Yes	25/06/2025	25/06/2027	*	*	*	No	No temporal overlap	N/A	No	
276	Inland	Site Investigations	MUL240008	MareConnect Ltd	Site investigation surveys to assess various factors associated with the interconnector project - Dublin	https://www.maritimeregulator.ie/licensing/updates/m20240008	37	MUL		Tier 1	Yes	Yes	30/06/2025	30/06/2030	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
277	Inland	Site Investigations	MUL240023	Iarnród Eirann	Geotechnical Investigation, Geophysical site investigation surveys, ecology and marine archaeology surveys to inform design options for the proposed East Coast Rail Infrastructure Protection Project (ECRIPP), Dublin to Wicklow	https://www.maritimeregulator.ie/licensing/updates/m20240023	58	MUL		Tier 1	Yes	Yes	22/10/2025	22/10/2031	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
278	Inland	Site Investigations	MUL240011	Bremore Ireland Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure, Dublin and Meath	https://www.maritimeregulator.ie/licensing/updates/m20240011	6	MUL (Application)		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
285	Inland	Site Investigations	MUL240010	EirGrid	Site Investigations to inform design and environmental assessment of Electrical Cable Circuit crossing Dublin Bay	https://www.maritimeregulator.ie/licensing/updates/m20240010	55	MUL (Application)		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
287	UK	Surface Infrastructure	PLATFORM	CHRYSOGR MOL DUNES	ACCOMMODATION PLATFORM APH	NSTA	161	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
288	UK	Surface Infrastructure	TERMINAL	unknown	BARROW-IN-FURNESS GAS TERMINAL	NSTA	188	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
289	UK	Surface Infrastructure	TERMINAL	unknown	BRAYMORE POINT	NSTA	22	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
290	UK	Surface Infrastructure	PLATFORM	HARBOUR ENERGY PLC	CALDER	NSTA	156	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
293	UK	Surface Infrastructure	PLATFORM	SPRINT ENERGY	CENTRAL PRODUCTION PLTFM DP1	NSTA	161	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
294	UK	Surface Infrastructure	PLATFORM	EN UK LIMITED	CONVY PLATFORM	NSTA	159	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
295	UK	Surface Infrastructure	TERMINAL	unknown	CORSEWALL POINT	NSTA	128	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
296	UK	Surface Infrastructure	PLATFORM	EN UK LIMITED	DOUGLAS DA	NSTA	167	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
297	UK	Surface Infrastructure	PLATFORM	EN UK LIMITED	DOUGLAS DP	NSTA	167	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
298	UK	Surface Infrastructure	PLATFORM	EN UK LIMITED	DOUGLAS DW	NSTA	167	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
299	UK	Surface Infrastructure	PLATFORM	SPRINT ENERGY	DP4 PLATFORM	NSTA	162	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
300	UK	Surface Infrastructure	PLATFORM	SPRINT ENERGY	DP5 PLATFORM	NSTA	159	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	
301	UK	Surface Infrastructure	PLATFORM	SPRINT ENERGY	DP5 PLATFORM	NSTA	158	Active		Tier 1	Yes	Yes	Unknown	Unknown	*	✓	✓	Yes	No Not relevant to bats in the marine environment	N/A	No	

Other Development Details										Stage 1			Stage 2							
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Approx. distance from Ortel Application Boundary (km)	Status of Project (as of 04/2023 - 01/2024)	Tier	Within ZSP?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatial/temporal overlap?	Scale and nature of development likely to have significant effect? If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiry Date	Overlap with Planning Application Boundary	Temporal overlap with construction (05-08-2023 - 01-07-2024)	Temporal overlap with operation (02-03-2024 - 2046)				
302	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	DRILLING PLATFORM DP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
303	UK	Surface Infrastructure	TERMINAL	unknown	DUNROD POINT	NSTA	156	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
307	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	FLARE TRIPOD	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
308	UK	Surface Infrastructure	TERMINAL	unknown	GLEN MOGAN	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
309	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	HAMILTON	NSTA	174	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
310	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	HAMILTON NORTH	NSTA	171	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
312	UK	Surface Infrastructure	TERMINAL	unknown	ISLAND HAGGE	NSTA	163	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
313	UK	Surface Infrastructure	PLATFORM	ENI UK LIMITED	LENNOX	NSTA	151	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
314	UK	Surface Infrastructure	BUOY	CEFAS	LIVERPOOL BAY BUOY, KFB 07010	NSTA	181	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
315	UK	Surface Infrastructure	BUOY	CEFAS	LIVERPOOL BAY SMART BUOY (R202012 ARSAS)	NSTA	182	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
316	UK	Surface Infrastructure	TERMINAL	unknown	LOUGHSHINNY	NSTA	36	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
317	UK	Surface Infrastructure	PLATFORM	HARBOUR ENERGY PLC	MILLOM WEST	NSTA	143	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
318	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	MILLOM WEST PLATFORM	NSTA	143	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
319	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	NORTH MORECAMBE PLATFORM	NSTA	155	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
320	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	NORTH MORECAMBE DP1A	NSTA	155	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
321	UK	Surface Infrastructure	FPSS	ENI UK LIMITED	OSI (OFFSHORE STORAGE INST.)	NSTA	166	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
322	UK	Surface Infrastructure	TERMINAL	unknown	POINT OF AYR	NSTA	189	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
325	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE AP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
326	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE CP11	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
327	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
328	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP3	NSTA	163	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
329	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP4	NSTA	162	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
330	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP6	NSTA	159	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
331	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE DP8	NSTA	158	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
332	UK	Surface Infrastructure	PLATFORM	SPIRIT ENERGY	SOUTH MORECAMBE FL1	NSTA	161	Active	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
334	Ireland	Coastal Infrastructure	MAC2040007	Fingal County Council	Coastal Protection including Flood Embankment, Flood Wall and other works	https://www.marlinregulator.ie/applications/marine-area-consents/applications-required	39	MAC Consent	Tier 2	Yes	Yes	28/07/2025	28/07/2080	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
340	Ireland	Storm Outfall	MAC2040028	Dublin City Council	Outfall at St John Rogerson's Quay as part of the Grand Canal Docks Storm Water Outfall Extension project	https://www.marlinregulator.ie/applications/marine-area-consents/applications-required	55	MAC Consent	Tier 2	Yes	Yes	17/07/2025	14/07/2080	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
342	Ireland	Recreation facility	MAC2030015	Donaghmore Rathdown County Council	Installation of Water Park, Donaghmore Harbour	https://www.marlinregulator.ie/applications/marine-area-consents/applications-required	61	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
352	Ireland	Aquaculture	MUL200032	University College Dublin	Introduction of Native Oysters to nearshore sites with eco-engineered habitat units, Dublin Coast	https://www.marlinregulator.ie/applications/marine-area-consents/applications-required	50	MUL (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	N/A	No
353	Ireland	Research	MUL200034	Dublin City University	Deployment of Research Buoys, Donaghmore Coast	https://www.marlinregulator.ie/applications/marine-area-consents/applications-required	62	Withdrawn- still in application	Tier 1	Yes	Yes	Unknown	Unknown	x	x	x	No	N/A	N/A	No
355	N.Ireland	Research	ML2040031	DAERA, Marine Conservation Reporting	Elasmobranch Acoustic Monitoring Project	https://www.marlinregulator.ie/applications/marine-area-consents/applications-required	23	Consented	Tier 1	Yes	Yes	07/06/2025	31/05/2028	x	x	x	No	No temporal overlap	N/A	No
356	Ireland	Farm	IE_0172	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
357	Ireland	Farm	IE_1092	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
358	Ireland	Farm	IE_1031	Oysters	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
359	Ireland	Farm	IE_1118	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
360	Ireland	Farm	IE_1050	Oysters	-	EMODnet	7	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
361	Ireland	Farm	IE_1063	Mussels	-	EMODnet	14	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
362	Ireland	Farm	IE_1098	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
363	Ireland	Farm	IE_1071	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
364	Ireland	Farm	IE_0629	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
365	Ireland	Farm	IE_0655	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
366	Ireland	Farm	IE_0656	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
367	Ireland	Farm	IE_0657	Mussels	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
368	Ireland	Farm	IE_0654	Mussels	-	EMODnet	18	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
369	Ireland	Farm	IE_0627	Mussels	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
370	Ireland	Farm	IE_0674	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
371	Ireland	Farm	IE_0639	Mussels	-	EMODnet	17	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
372	Ireland	Farm	IE_0399	Oysters/Clams	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
373	Ireland	Farm	IE_0398	Oysters/Clams	-	EMODnet	8	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
374	Ireland	Farm	IE_0949	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
375	Ireland	Farm	IE_0961	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
376	Ireland	Farm	IE_0503	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
377	Ireland	Farm	IE_0504	Oysters	-	EMODnet	12	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
378	Ireland	Farm	IE_0490	Oysters/Clams	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
379	Ireland	Farm	IE_0491	Oysters/Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
380	Ireland	Farm	IE_0964	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
381	Ireland	Farm	IE_0496	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
382	Ireland	Farm	IE_0969	Oysters	-	EMODnet	6	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
383	Ireland	Farm	IE_0483	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
384	Ireland	Farm	IE_0484	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
385	Ireland	Farm	IE_0485	Oysters	-	EMODnet	11	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
386	Ireland	Farm	IE_0481	Oysters	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
387	Ireland	Farm	IE_0489	Oysters/Clams	-	EMODnet	10	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No

Other Development Details										Stage 1		Stage 2								
ID	Location	Type	Reference	Developer	Project Title	Public Domain Link (where relevant) or Data Source/Layer	Minimum distance from Ortel Application Boundary (km)	Status of Project (as of 04/2023 - 01/2024)	Tier	Within ZSP?	Progress to Stage 2?	Licensable Period		Spatial/temporal overlap with Project			Further Consideration required because potential for spatiotemporal overlap?	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other factors?	Progress to Stage 3/4
												Start date	Licence Expiration Date	Overlap with Planning Application Boundary	Temporal overlap with construction 04-08-2022 to 01-01-2024	Temporal overlap with operation 03-08-2023 to 01-01-2065				
388	Ireland	Farm	IE_0173	Oysters	-	EMODnet	9	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
389	Ireland	Farm	IE_1094	Mussels	-	EMODnet	13	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
390	Ireland	Farm	IE_0276	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
391	Ireland	Farm	IE_0277	Mussels	-	EMODnet	16	Unknown	Tier 1	Yes	Yes	Unknown	Unknown	x	Unknown	Unknown	Yes	No. Not relevant to bats in the marine environment	N/A	No
The following have been updated since the initial search																				
392	Ireland	Cables	MAC240013	ESB	Replacement of high voltage underground cables (North Wall to Poolbeg, Dublin)	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
393	Ireland	Road Infrastructure	MAC20230034	NTA	Proposed road development as part of Ringend to City Centre Core Bus Corridor Scheme (Ringend to City Centre)	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
395	Ireland	Cables	MAC240061	ESB	Installation of an electrical transmission circuit including submarine cabling within the near-shore area, between Blackrock and Shellybanks, Dublin Bay	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
396	Ireland	Bridge Infrastructure	MAC240014	Dublin City Council	Construction of a pedestrian and cyclist bridge (Point Bridge) to the west of Tom Clarke Bridge, widening of Tom Clarke Bridge, dismantling of existing vessel collision structures and construction of new vessel collision structures to the west of the proposed Point Bridge	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
397	Ireland	Coastal Infrastructure	MAC20230009	Iarnród Éireann (IE)	Coastal Protection (Merrion Gates to Seapoint Beach, Dublin)	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
398	Ireland	Coastal Infrastructure	MAC250028	Iarnród Éireann (IE)	Coastal Protection (Whitewick Beach to South Kilney, Dublin)	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
399	Ireland	Coastal Infrastructure	MAC250029	Iarnród Éireann (IE)	Coastal Protection (Bry Head to Greystones North Beach, Wicklow)	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
400	Ireland	Coastal Infrastructure	MAC250030	Iarnród Éireann (IE)	Coastal Protection (Kilcote to Newcastle, Wicklow)	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
401	Ireland	Coastal Infrastructure	MAC250031	Iarnród Éireann (IE)	Coastal Protection (Newcastle to Wicklow Murrugh, Wicklow)	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>80	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
403	Ireland	Coastal Infrastructure	MAC250027	Dún Laoghaire Rathfarnham County Council	Regularisation of preexisting Portways (Dún Laoghaire, Dublin)	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>70	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
404	Ireland	Bridge Infrastructure	MAC240051	Iarnród Éireann	The construction of a pedestrian and cyclist bridge and a riverside boardwalk (Heuston Station)	https://www.maritimeregulator.ie/our-work/maritime-area-consents/mac-applications-received/	>60	MAC Consent (Application)	Tier 2	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
409	Ireland	Site Investigations	MUL250003	Dún Laoghaire Rathfarnham County Council	Marine environmental surveys for the purposes of site investigation - to undertake a suite of marine site investigation activities to assess the feasibility of potential future dredging within the harbour	https://www.maritimeregulator.ie/applications/licence-application-mul250003/	>70	M/L (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
410	Ireland	Site Investigations	MUL250013	Uisce Éireann	Greater Dublin Drainage Project (Baldylee Bay and the Irish Sea)	https://www.maritimeregulator.ie/applications/mul250013/	>60	M/L (Application)	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. Not relevant to bats in the marine environment	No	No
412	Isle of Man	ORE Projects - Windfarm	-	Orsted	Moor Vannin	https://orsted.is/mtool/vannin/	>180 km	Planning	Tier 1	Yes	Yes	Unknown	Unknown	x	✓	✓	Yes	No. There are no updates relevant to impacts to offshore bats in the EIS. Assessment was not completed	No	No

Other Development Details												Stage 2					
ID	Location	Type	Applicant Reference	Developer	Project Details	Project Information Links	Distance from Oriel Planning Application Boundary (onshore cable route) (km)	Distance from Oriel Planning Application Boundary (onshore substation site) (km)	Status of Project (as of 08/2023 - 07/24)	Tier	Date of Consent/Date of Application	Spatial/Temporal overlap with Oriel - Onshore Infrastructure			Other factors	Scale and nature of development likely to have significant effect	
												Overlap with Project Application Boundary	Temporal overlap with construction (03-2023 to 02/2024)	Temporal overlap with operation (03-2023 to 02/2024)		Changes Made	Do the updates lead to increased impacts to those assessed in the Oriel EIAR?
415	Louth	Residential	314176	Louth County Council	Permission for: (1) demolition of existing buildings and structures on site including 3 existing dwelling houses; (2) construction of a total of 10 new apartment dwelling units and (3) all ancillary hard and soft landscaping works.	http://www.planning.louth.ie/case/314176/	1.9	2.2	Planning Consented	Tier 1	26/07/2023-10/01/2024	x	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome	No
416	Louth	Communications	314826	Louth County Council	Construction of mobile and broadband tower	http://www.planning.louth.ie/case/314826/	1.4	1.7	Planning Consented	Tier 1	09/09/2023-28/02/2024	x	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome	No
417	Louth	Retail/Residential	317116	Louth County Council	Demolition of 3 dwellings, 2 ground floor shop units and out building, boundary wall to Market House Lane. Alteration to road entrance and construction of 2 retail units and 28 housing units and associated site works. Site located within ADA, SFI recovery	http://www.planning.louth.ie/case/317116/	1.8	2.1	Planning Consented	Tier 1	13/08/2023-28/08/2024	x	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome	No
418	Louth	Renewable	2023108-2300175	Strategic Power Limited	The development will consist of a renewable bio methane facility on a ca. 2.75 hectare site to produce renewable energy and organic fertiliser.	https://maps.louthcoco.ie/docs/610P5U3eHfms.aspx?catalogueId=60953&id=2300175&orderByCityId=	3.5	3.7	Planning Consented	Tier 1	21/08/2023 Unknown	x	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome	No
419	Louth	Residential	22228	Louth County Council	SHG Stage 3 with ABP - awaiting decision. Stage 2 Ref. No. 201769 - See www.bridgesouthco.ie for details. The Ardee Partnership, intend to apply to An Bord Pleanála for permission, development will consist of A) construction of 272 no. residential unit.	http://www.planning.louth.ie/CC/AggFileRefDetails/22228/0/	1.8	2.1	Planning Consented	Tier 1	23/03/2023-15/08/2023	x	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome	No
420	Louth	Commercial	22375	Louth County Council	permission for: (1) demolition of existing buildings and structures on site including 3 no. existing dwelling houses at 57 Irish Street (fronting onto Irish Street); 9 Rogan's Lane fronting onto Rogan's Lane;Markethouse Lane and 18 Rogan's Lane (fronting	http://www.planning.louth.ie/CC/AggFileRefDetails/22375/0/	1.9	2.2	Planning Consented	Tier 1	12/08/2023-30/06/2022	x	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome	No
421	Louth	Communications	22604	Louth County Council	Permission to construct a 33 metre lattice mobile and broadband tower with headframe carrying telecommunications equipment, together with associated equipment and cabinets within a 2.4m palisade fence compound with access track	http://www.planning.louth.ie/CC/AggFileRefDetails/22604/0/	1.4	1.7	Planning Consented	Tier 1	26/07/2023-10/09/2022	x	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome	No
422	Louth	Residential	22833 / 317615	Louth County Council	Permission for proposed floodlighting to existing OAA pitch consisting of 8 no. 18 metre high poles (3 to each side of pitch) with associated light fittings, 2 no. ball stop nets behind goals at end of pitch and all associated works -"significant further	http://www.planning.louth.ie/CC/AggFileRefDetails/22833/0/	4.0	4.8	Planning Consented	Tier 1	09/09/2023-23/06/2023	x	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome	No
423	Meath	Utilities	2360296	Meath County Council	Permission for works associated with the proposed upgrade of the existing Louth - Woodland 220 KV overhead powerline (OHL) between the existing Louth 220 KV substation in the townland of Monavallet, County Louth and the existing Woodland 220 KV substation in the townland of Woodland, County Meath. The Louth - Woodland 220 KV OHL is approximately 61.5 km long and comprises 207 no. steel lattice tower structures.	ePlan - Online Planning Details	0.0	0.0	Planning Consented	Tier 1	04/01/2024	✓	✓	✓	Project status now changed from Planning to Consented	The project was screened in for assessment in the SLVIA chapter Seascape: not significant Landscape: not significant Visual: not significant	No
424	Louth	Residential	2360237	Louth County Council	Large-scale Residential Development (LRD) Application. Permission for development to consist of the provision of a total of 122no. residential units along with provision of a car/care. Particulars of the development comprise as follows: (a) Site excavat	http://www.planning.louth.ie/CC/AggFileRefDetails/2360237/0/	1.0	1.3	Planning Consented	Tier 1	24/07/2023-08/09/2023	x	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome The project was previously screened in for assessment in the Traffic and Transport cumulative assessment. It was determined that the cumulative impact of the Project and traffic associated with the construction of the proposed residential development will be slight , which is not significant in EA terms. It was also screened into the SLVIA cumulative assessment Seascape: not significant Landscape: not significant Visual: not significant	No
425	Louth	Commercial/Residential	23389	Louth County Council	Permission for the change of use of part of the ground floor from residential to restaurant use. A new rear single storey flat roof extension. New window openings and reconfiguration of existing openings to front, rear and side elevations. New opening for kitchen extracts. New enclosed bin store. Replace existing metal roof with new metal roof. New illuminated advertising to existing building and stand-alone illuminated advertising to perimeter of site. Demolish and rebuild unsale existing store to front. New outdoor seating area associated with change of use within existing front garden. New pedestrian access path connecting the new outdoor seating area with the parking area to the rear. New parking layout including electrical vehicle charging spaces and bicycle parking. Closing up of existing vehicle entrance and formation of new vehicle entrance. All associated landscaping, drainage, ancillary site works and services.	https://www.planning.louth.ie/CC/AggFileRefDetails/23389/0/	0.0	11.1	Planning Consented	Tier 1	Unknown 15/09/2024	✓	✓	✓	Project status now changed from Planning to Consented	No major changes to project previously assessed. Decision received with conditions. Does not change the previous screening outcome	No

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Other Development Details										Stage 1			Stage 2							
ID	Location	Type	Reference	Developer	Project Details	Project Information Links	Distance from Oriel Planning Application Boundary (onshore cable route) (km)	Distance from Oriel Planning Application Boundary (onshore substation site) (km)	Status of Project (as of 08/2023)	Tier	Within Zol	Progress to Stage 2?	Date of Consent/Date of Application	Spatial/ temporal overlap with Oriel - Onshore Infrastructure	Temporal overlap with construction	Temporal overlap with operation	Scale and nature of development likely to have significant effect?	If no, please provide justification	Other Factors?	Progress to Stage 3/4
Projects within Zol of Onshore Cable Route (within 2km)																				
426	Louth	Industrial	23407 ABP Ref. PL15.318956	BAK Bulk Services Ltd.	Permission for 5 number Bonded Whiskey Maturation units of 4,073m2 each, access roads, over ground fire water tanks, landscaped soil terms and all associated site works all accessed through an established Whiskey Maturation Facility. The proposed development will be classified as an Upper Tier Establishment under the Chemicals Act (Control of Major Accidents Hazards Involving Dangerous Substances) Regulations, 2015. A Natura Impact Statement (NIS) accompanies this application.	http://www.eplaning.ie/out/C/APP/RefDetails/23407/2	0.5	8.0	Consented	Tier 1	Yes	Yes	05/01/2024	*	✓	✓	No - The project will result in some habitat loss (GA1 and BC1) and may give rise to some surface water pollution. However, construction of maturation units and warehouses will follow a standard construction process for similar buildings onsite and will be completed in compliance with conditions outlined in the Chief Executive's Order. It is noted that an EIA screening was undertaken and concluded that having regard to the nature, scale and location of the project, there is no potential of Likely Significant Effects. Additionally, an NIS was undertaken and in light of full implementation of mitigation measures, no adverse effects were concluded. The proposed development will be carried out and completed in accordance with the plans and particulars lodged with the application including mitigation measures contained in the NIS and CEMP (e.g. controls for dust, noise and vibration, protection of soils, groundwater and surface waters). Therefore, cumulative effects of the proposed development with the Oriel Wind Farm Project will be limited.		No	No
427	Louth	Commercial	2360274	Ardee Bakery Investments Limited	Permission for development as follows: 1. Demolition of rear projections and outbuildings associated and within the curtilage of the protected structures (Former Ardee Bread Company protected structure reference 1352007 and the former Sheridan's Services house protected structure reference 1352008) along with demolition of the boundary wall to Tenney Street. 2. Construction of the following (a) 2no. apartment buildings ranging in height from 2 storey to 4 storeys which will comprise a total 20no. apartments of which there are 6no. 1 bed and 14no. 2bed units, all with balconies or ground floor terraces along with provision of a communal space at roof level. (b) The provision of low, shed roof	http://www.eplaning.ie/out/C/APP/RefDetails/2360274/2	1.8	1.9	Consented	Tier 1	Yes	Yes	08/07/2024	*	✓	✓	No - Works are to be undertaken in an urban built environment brownfield site. Existing hedgerows and trees are to be retained. A bat survey report concluded that there would be no significant impacts on bats with recommended actions, which is outlined in the conditions of the grant for permission. No potential for significant cumulative effects if measures in outline construction management plan are followed. No EIA or AA screening undertaken. Therefore, cumulative effects of the proposed development with the Oriel Wind Farm Project will be limited.		No	No
428	Louth	Residential	24144	V & P Mathews Developments Ltd.	Permission for 47 no. two storey houses comprising 3 no. detached houses, 32 no. semi-detached houses and 12 terraced units. Works will include all associated landscaping and site development works on a site of 1.27 hectares.	http://www.eplaning.ie/out/C/APP/RefDetails/24144/2	1.4	2.2	Planning	Tier 1	Yes	Yes	28/08/2024	*	✓	✓	No - Existing hedgerows present are to be retained (though trimmed) and additional native planting installed. Surface water management is agreed by Uisce Éireann. It was concluded in the Planners Report that having considered the nature, size and location of the development, there is no likelihood of significant effects on the environment and so an EIA or AA screening is not required. The Planning Report also concluded that an Appropriate Assessment (Stage 2 AA) was not required as the proposed development is unlikely to have a significant effect individually or in combination with other plans or projects on a European site. Therefore, cumulative effects of the proposed development with the Oriel Wind Farm Project will be limited.		No	No
429	Louth	Residential	2460476	BKC Alliance Ltd	Permission for the demolition of a dwelling house and the erection of 22 No. Older people and persons with limited mobility housing units consisting of 5 no. blocks of single storey semi-detached and terrace buildings comprising 18 no. one bedroom units and 4 no. two bedroom units. The development also includes the provision of a new access road & pedestrian access leading to public road, carparking spaces, covered bicycle spaces, bin storage enclosure, site lighting and revised site boundary treatments with associated site works. To connect to council water mains and public foul sewerage with associated networks. A Natura Impact Statement (NIS) will accompany the planning application. Significant Further Information Received on 28/03/2025 provides for, inter alia, a reduction in units from 22 to 21.	http://www.eplaning.ie/out/C/APP/RefDetails/2460476/2	1.1	1.2	Planning	Tier 1	Yes	Yes	22/08/2024	*	✓	✓	No - Local low value habitats including the existing grassland and mid-site scrub will be lost but this is not considered to be ecologically significant. The majority of mature vegetation along the boundaries will be retained. There is the potential risk for pollution to occur to surface and groundwater bodies due to the construction of the proposed development. Disturbance to wildlife is also likely in the absence of mitigation. If all mitigation measures specified in the submitted NIS and EcIA are implemented (including measures to protect water quality, manage lighting etc), significant effects will be unlikely. Construction will be managed in accordance with the submitted CEMP. Therefore, cumulative effects of the proposed development with the Oriel Wind Farm Project will be limited.		No	No
Projects within Zol of Onshore Substation (within 8km)																				
430	Louth	Commercial	2423	Express Mini Mix and Skip Hire Ltd	Permission for extension of yard area and site boundaries; relocation of existing vehicular entrance to include alterations to existing roadside site boundaries; alterations to sheds previously approved under planning reference number 2014. The alterations included the relocation of the proposed roller shutter doors from the southern elevation to the northern elevation. Relocation of existing modular office, a new weighbridge; a new fire water storage tank, 2.1m high Palafin fence around the perimeter of the extended site area with landscaping and all associated site development works	http://www.eplaning.ie/out/C/APP/RefDetails/2423/2	2.1	2.2	Consented	Tier 1	Yes	Yes	26/08/2024	*	✓	✓	No - the proposed development is related to the extension and relocation of buildings within existing site. From the documents available, there is no ecologically important habitat being lost. It was not considered that the proposed development would be likely to have a significant effect individually or in combination with other plans or projects on a European site and as such an Appropriate Assessment (Stage 2 AA) is not required. It was concluded in the Planners Report that having considered the nature, size and location of the development, there is no real likelihood of significant effects on the environment and such an EIA/AA is not required. Measures to mitigate disturbances are outlined in the conditions of the Chief Executive's Order, and so these conditions are met, impacts will be limited. Therefore, cumulative effects of the proposed development with the Oriel Wind Farm Project will be limited.		No	No
431	Louth	Amenity	23463	St Kevins GAA	Permission for extension to the existing changing room, erection of a ball shopping net, installation of waste water treatment system and all associated site works. SFI received on 28.6.24 includes change of site boundaries from original submission.	http://www.eplaning.ie/out/C/APP/RefDetails/23463/2	3.9	4.6	Consented	Tier 1	Yes	Yes	19/08/2024	*	✓	✓	No - works will have little impact on onshore biodiversity as they consist of an extension of an existing building, and the installation of a waste water treatment plant. If the mitigation measures for construction listed in the planning report are implemented in full, significant effects are considered to be unlikely. Wastewater treatment plant will be operated in line with EPA Code of Practice. Therefore, cumulative effects of the proposed development with the Oriel Wind Farm Project will be limited.		No	No
432	Louth	Solar	23483	Individual	Permission for Solar PV Energy Development of maximum export capacity 4MW to include photovoltaic panels on ground mounted frames/support structures, one ESS Networks substation building with a height not exceeding 5.2m; underground cabling and ducting; 3 no. inverter/transformer/storage stations with a height of 2.7m; perimeter (stock proof) security fencing; security cameras; site access; temporary construction compound	http://www.eplaning.ie/out/C/APP/RefDetails/23483/2	4.5	4.5	Consented	Tier 1	Yes	Yes	16/09/2024	*	✓	✓	No - The proposed development will be constructed on Improved Agricultural Grassland (GA1), with Hedgerows (WL1) and Treelines (WL2) bordering the proposed development site. The construction phase will give rise to temporary noise, vibration and visual disturbance, which may cause wildlife to avoid the area. There will be no significant increase in disturbance as a result of the proposed development during the operational phase. All existing trees and hedgerows are to be retained. It is noted that an Appropriate Assessment (Stage 2 AA) was not considered necessary as adverse effects are unlikely to occur due to the nature, scale and location of the proposed development. Compliance with conditions outlined in the Chief Executive's Order such as Waste management plan, soil management plan, restoration plan, traffic management plan, will ensure that no significant impacts on onshore biodiversity will occur. Therefore, cumulative effects of the proposed development with the Oriel Wind Farm Project will be limited.		No	No
433	Louth	Agriculture	2460132	Duleek Poultry Enterprises Ltd.	Planning permission to construct 1 No. Poultry Layer House together with all ancillary structures, (to include 1 No. meal storage bin, stormwater attenuation tank and soiled water tank), and all associated site works associated with the proposed development. This application relates to a development, which is for the purposes of an activity requiring a Licence under part IV of the Environmental Protection Agency (Licensing) Regulations 1994 to 2013	http://www.eplaning.ie/out/C/APP/RefDetails/2460132/2	4.9	4.9	Consented	Tier 1	Yes	Yes	16/09/2024	*	✓	✓	No - The main habitat within the application site currently is buildings and artificial surfaces, i.e., the existing poultry houses, access roads and concrete aprons around the houses. The additional poultry house will be constructed on an area of improved grassland in the south of the site. The western and eastern boundaries of the site consist of hedgerows. The closest watercourse to the site is the Towrmarks Stream which flows along the northern boundary of the field that contains the site. It was concluded that adverse effects on European sites were unlikely and so an NIS was not required. According to the Planner's report, an EIA/AA was not considered to be required based on revised information submitted after the F.I.L. Construction methods for the new structures will be standard and will follow best practice guidelines at all stages. The operation of the farm and all its associated activities will be done in accordance with S.I. 113 of 2022 (Good Agricultural Practice for Protection of Waters) regulations. Conditions outlined in the Chief Executive's Order relate to manure and soiled water disposal. Therefore, cumulative effects of the proposed development with the Oriel Wind Farm Project will be limited.		No	No

Other Development Details										Stage 1		Stage 2							
ID	Location	Type	Reference	Developer	Project Details	Project Information Links	Distance from Oriel Planning Application Boundary (onshore cable route) (km)	Distance from Oriel Planning Application Boundary (onshore substation site) (km)	Status of Project (as of 2023-2025)	Tier	Within ZOI	Progress to Stage 2?	Date of Consent/Date of Application	Spatial/ temporal overlap with Oriel - Overlap with Project Application Boundary	Temporal overlap with construction 2023-2025	Onshore Infrastructure Temporal overlap with operation 2026-2068	Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other Factors?	Progress to Stage 3/4
434	Louth	Commercial	2460226	Goulding Fertilizers Ltd	Permission for the construction of three warehouse units and associated site works	http://www.eplanning.ie/Louth/C/AggP/ieRefDetail/2460226/0	2.0	2.2	Consented	Tier 1	Yes	Yes	06/01/2025	*	✓	✓	No - The main habitats in the site include Spoil and Spare Ground (ED2) and Recolonising bare ground (ED3), with Hedgerow (WL1) and Treelines (WL2) present at the site boundaries. The hedgerows and treelines will be retained and disturbance to these habitats will be minimal. It was concluded that due to the scale, nature and location of the development that an EIAR was not required. It was not considered that the proposed development would have the potential to impact on any Natura 2000 or Natural Heritage sites. Conditions made in the chief executives order that relate to biodiversity will mitigate effects if adhered to. Adherence to Detailed Construction Environmental Management Plan The proposed design of the development is considered to be in line with applicable standards and would pose no significant risk to the environment. It is considered that the development, as proposed, would not significantly impact upon the sensitivities of the existing environment. Mitigation measures have been considered by the EIAR screening report as precautionary measures that should be put in place. These include the submission of a construction transport management plan to oversee deliveries and vehicular traffic to and from the subject site, especially during the construction phase.	No	No
435	Louth	Horticulture	2460382	Dunleer Tidy Towns	Polycarbonate Tunnel and all associated site works	http://www.eplanning.ie/Louth/C/AggP/ieRefDetail/2460382/0	4.1	4.6	Consented	Tier 1	Yes	Yes	30/09/2024	*	✓	✓	No - Limited extent of impacts to biodiversity receptors	No	No
436	Louth	Solar	2460805	Lightsource Renewable Energy Ireland Ltd	Permission sought for of a 10 year permission for a Solar PV Energy Development with associated Battery Energy Storage System (BESS) Compound with a total site area of c. 108.6 ha, to include solar panels mounted on steel support structures, associated cabling and ducting, inverters, transformers, switchgear substations, auxiliary transformer, permanent storage containers, monitoring houses, composting toilet, BESS customer substation, battery blocks, BESS inverters and Power Conversion System (PCS) twin skid, BESS interface cabinets (BIC), backup generator, temporary construction compounds, tracks, boundary security fencing and security gates, CCTV, landscaping and ancillary works including a sheep pen, with a 40 year operational period. Construction access to the development will be via an upgraded and widened access point off the R166, together with a newly created access and a widened existing access of Derrycammagh Lane (south of L51774). Operation and Maintenance of the development will be from two existing access point off Derrycammagh Lane, south of the L51774 local road. A Natura Impact Statement (NIS) has been submitted to the Planning Authority with the Application	http://www.eplanning.ie/Louth/C/AggP/ieRefDetail/2460805/0	2.9	3.0	Planning	Tier 1	Yes	Yes	19/12/2024	*	✓	✓	No - The development will result in some habitat loss (BC1), with 440m ² of hedgerows proposed to be removed. It is noted that the development will include the planting of 1712m of native Hedgerow. Integral design measures and standard best practices pollution prevention measures for the construction stage are outlined in the Ecological Appraisal. It is noted that an EIA Screening was undertaken and concluded that the proposed development would not result in any significant environmental effects, with the implementation of the recommended best practice design and mitigation measures and supporting documents including the Biodiversity Management Plan, LEMP, Gint and Glare Assessment, Noise Impact Assessment and CEMP. Additionally, an NIS was undertaken and due to suitably effective mitigation measures outlined in the NIS, it was concluded that the proposed development is unlikely to have adverse effects. Therefore, cumulative effects of the proposed development with the Oriel Wind Farm Project will be limited.	No	No

Other Development Details											Stage 1		Stage 2						
ID	Location	Type	Reference	Developer	Project Details	Project Information Links	Distance from Oriel Planning Application Boundary (onshore cable route) (km)	Distance from Oriel Planning Application Boundary (onshore substation site) (km)	Status of Project (as of 08/2023 - 2023)	Tier	Within Zol	Progress to Stage 2?	Date of Consent/Date of Application	Spatial/ temporal overlap with Oriel - Onshore			Scale and nature of development likely to have significant effect? Yes/No If no, please provide justification	Other Factors?	Progress to Stage 3/4
														Overlap with Project Application Boundary	Temporal overlap with construction (2023-2026 - 2023 - 2026)	Temporal overlap with operation (2026 - 2059) (2026 - 2059)			
Projects within Zol of Onshore Cable Route (within 1km)																			
426	Louth	Industrial	23407 ABP Ref. PL15.318956	BAK Bulk Services Ltd	Permission for 5 number Bonded Whiskey Maturation units of 4,073m2 each, access roads, over ground fire water tanks, landscaped soil berms and all associated site works all accessed through an established Whiskey Maturation Facility. The proposed devel	http://www.eplanning.louthCC/AggFileRepositoryDetails/23407/0	0.5	8.0	Consented	Tier 1	Yes	Yes	05/01/2024	*	✓	✓	The proposed construction works are within the 1 km buffer of the Project are limited, therefore, there are no significant impacts likely to soil and/or groundwater. The construction of maturation units and warehouses will follow a standard construction process and will be completed in compliance with conditions.	n/a	Yes

Other Development Details										Stage 1			Stage 2											
ID	Location	Type	Reference	Developer	Project Details	Project Information Links	Distance from Oriol Planning Application Boundary (onshore cable route) (km)	Distance from Oriol Planning Application Boundary (onshore substation site) (km)	Status of Project (as of 2024-01-01)	Tier	Within ZOI	Progress to Stage 2?	Date of Consent/Date of Application	Spatial/ temporal overlap with Oriol - Onshore Infrastructure			Scale and nature of development likely to have significant effect? If no, please provide justification	Other Factors?	Progress to Stage 3/4					
															Overlap with Project Application Boundary	Temporal overlap with construction (2023-2025)	Temporal overlap with operation (2026-2040)							
										Projects within ZOI of Onshore Cable Route (within 1km)														
426	Louth	Industrial	23407 AIP Ref. PL15.318956	BAK Bulk Services Ltd.	Permission for 5 number Bonded Whiskey Maturation units of 4,073m ² each, access roads, over ground fire water tanks, landscaped soil berms and all associated site works all accessed through an established Whiskey Maturation Facility. The proposed development.	http://www.splanning.ie/Louth/C/AggFileRefDetails/23407/0	0.5	8.0	Consented	Tier 1	Yes	Yes	05/01/2024	*	✓	✓	No - the mitigation / landscape proposals associated with this scheme will aid visual screening. Intervening vegetation and topographical changes associated with the surrounding landscape will negate cumulative visual interaction with the substation associated with the Proposed Development. No potential for cumulative interaction with the onshore cable routes associated with the Proposed Development as cable routing works are temporary in nature and landscape elements will be reinstated following completion of the works.	No	no					
										Projects within ZOI of Onshore Substation (within 5km)														
430	Louth	Commercial	2423	Express Mini Mix and Skip Hire Ltd	Permission for extension of yard area and site boundaries; relocation of existing vehicular entrance to include alterations to existing roadside site boundaries; alterations to sheds previously approved under planning reference number 20/14. The allotment.	http://www.splanning.ie/Louth/C/AggFileRefDetails/2423/0	2.1	2.2	Consented	Tier 1	Yes	Yes	26/06/2024	*	✓	✓	No - this proposed development would be read as part of the existing urban form of Ardee. Existing landscape features (hedges and woodland) together with localised topographical changes will negate cumulative visual interaction with the Substation element of the Proposed Development. No cumulative impact with the undergrounding of the cable route due to intervening topographical changes and vegetation cover.	No	no					
431	Louth	Amenity	23463	St Kevins GAA	Permission for extension to the existing changing room, erection of a ball stopping net, installation of waste water treatment system and all associated site works "SFI received on 28.6.24 includes change of site boundaries from original submission".	http://www.splanning.ie/Louth/C/AggFileRefDetails/23463/0	3.9	4.6	Consented	Tier 1	Yes	Yes	19/06/2024	*	✓	✓	No - works will have little impact as they consist of an extension of an existing building.	No	no					
432	Louth	Solar	23483	Individual	Permission for Solar PV Energy Development of maximum export capacity 4MW to include photovoltaic panels on ground mounted frame/support structures, one ESB Networks substation building with a height not exceeding 5.2m, underground cabling and ducting; 3	http://www.splanning.ie/Louth/C/AggFileRefDetails/23483/0	4.5	4.5	Consented	Tier 1	Yes	Yes	16/09/2024	*	✓	✓	No - this proposed development is of a low height / form and would be visually screened by retained vegetation on site boundaries. Intervening landscape features and topographical changes will negate cumulative visual impact between the substation associated with the Proposed Development and this scheme. No - this proposed development would not give rise to cumulative landscape or visual effects when considering the underground cable route as landscape elements impacted by the undergrounding of the cable connection will be re-instated following completion of construction works.	No	no					
427	Louth	Commercial	2360274	Ardee Bakery Investments Limited	Permission for development as follows: 1. Demolition of rear projections and outbuildings associated and within the curtilage of the protected structures (Former Ardee Bread Company protected structure reference 13823007 and the former Sheridan's Service	http://www.splanning.ie/Louth/C/AggFileRefDetails/2360274/0	1.8	1.9	Consented	Tier 1	Yes	Yes	08/07/2024	*	✓	✓	No - proposed development is surrounded by the existing built form associated with Ardee and would therefore be viewed as a localised alteration to a single building. No cumulative interaction with either the substation associated with the Proposed Development or the undergrounded cable route due to screening provided by intervening built form.	No	no					
433	Louth	Agriculture	2460132	Duleek Poultry Enterprises Ltd.	Planning permission to construct 1 No. Poultry Layer House together with all ancillary structures, (to include 1 No. feed storage bin, stormwater attenuation tank and soiled water tank), and all associated site works associated with the proposed develop	http://www.splanning.ie/Louth/C/AggFileRefDetails/2460132/0	4.9	4.9	Consented	Tier 1	Yes	Yes	16/09/2024	*	✓	✓	No - proposed development lies to the west of Ardee and the built form associated with Ardee restricts visual interaction with the substation associated with the Proposed Development. New chicken house would be read in combination with existing development on this site. Intervening landscape features associated with Ardee Golf Course and topographical changes negate cumulative visual interaction. No - cumulative interaction with the undergrounded cable route due to screening provided by intervening landscape features.	No	no					
434	Louth	Commercial	2460226	Goulding Fertilizers Ltd	Permission for the construction of three warehouse units and associated site works	http://www.splanning.ie/Louth/C/AggFileRefDetails/2460226/0	2.0	2.2	Consented	Tier 1	Yes	Yes	06/01/2025	*	✓	✓	No - intervening landscape features and localised topographical changes negate cumulative visual interaction with the substation associated with the Proposed Development. No interaction with the proposed underground cable portion of the Proposed Development will be negated by intervening topographical changes and landscape features.	No	no					
435	Louth	Horticulture	2460382	Duniter Tidy Towns	Polycarbonate Tunnel and all associated site works	http://www.splanning.ie/Louth/C/AggFileRefDetails/2460382/0	4.1	4.6	Consented	Tier 1	Yes	Yes	30/09/2024	*	✓	✓	No - proposed development lies on the eastern edge of Ardee and would be read as a minor element of Ardee. Built form associated with Ardee restricts visual interaction with the substation associated with the Proposed Development. New polytunnel house would be read in combination with existing development of Ardee. Intervening landscape features negate cumulative visual interaction. No - cumulative interaction with the undergrounded cable route due to screening provided by intervening landscape features.	No	no					
428	Louth	Residential	24144	V & P Mathews Developments Ltd.	Permission for 47 no. two storey houses comprising 3 no. detached houses, 32 no. semi-detached houses and 12 terraced units. Works will include all associated landscaping and site development works on a site of 1.27 hectares	http://www.splanning.ie/Louth/C/AggFileRefDetails/24144/0	1.4	2.2	Planning	Tier 1	Yes	Yes	28/06/2024	*	✓	✓	No - proposed development lies on the eastern edge of Ardee and proposed development would be read as part of Ardee. Landscape features associated with the N53 which are to be retained will reduce potential for visual interaction with the substation associated with the Proposed Development. Further, intervening topographical changes and landscape features will negate cumulative visual interaction. No - cumulative interaction with the undergrounded cabling associated with the Proposed Development due to screening provided by intervening topographical changes and landscape features.	No	no					
429	Louth	Residential	2460476	BKC Alliance Ltd	Permission for the demolition of a dwelling house and the erection of 22 No. Older people and persons with limited mobility housing units consisting of 5 no. blocks of single storey semi-detached and terrace buildings comprising 16 no. one bedroom units	http://www.splanning.ie/Louth/C/AggFileRefDetails/2460476/0	1.1	1.2	Planning	Tier 1	Yes	Yes	22/08/2024	*	✓	✓	No - proposed development is surrounded by the existing built form associated with Ardee. No cumulative interaction with either the substation associated with the Proposed Development or the undergrounded cable route due to screening provided by intervening built form of Ardee.	No	no					
436	Louth	Solar	2460805	Lightsource Renewable Energy Ireland Ltd	Permission sought for a 10 year permission for a Solar PV Energy Development with associated Battery Energy Storage System (BESS) Compound with a total site area of c. 108.6 ha, to include solar panels mounted on steel support structures, associated c	http://www.splanning.ie/Louth/C/AggFileRefDetails/2460805/0	2.9	3.0	Planning	Tier 1	Yes	Yes	19/12/2024	*	✓	✓	No - proposed development form is generally low height, with existing landscape features forming the southern boundary of the site retained - which provides visual enclosure and screening. Woodland along the northern edge of the River Glyde screens this proposed development in northern views locally, with intervening landscape features and localised topographical changes negating cumulative visual interaction. The LVA that accompanied this application states that in longer distance views, predicted visual effects are 'Not Significant' - further stating that 'While the Proposed Development will add an industrial element to the view when seen, the change will be seen in the context of the wider landscape where mitigation measures will help integrate the Proposed Development into its setting.' No - proposed development does not have cumulative interaction with the proposed underground cable connection works associated with the Proposed Development due to screening provided by intervening landscape elements and topographical changes.	No	no					

Other Development Details											Stage 1		Stage 2									
ID	Location	Type	Reference	Developer	Project Details	Project Information Links	Distance from Oriel Planning Application Boundary (onshore cable route) (km)	Distance from Oriel Planning Application Boundary (onshore substation site) (km)	Status of Project (as of 04/02/2023)	Tier	Within Zol	Progress to Stage 2?	Date of Consent/Date of Application	Spatial/ temporal overlap with Oriel - Onshore Infrastructure			scale and nature of development likely to have significant effect? Yes/No If no, please provide justification.	Other Factors?	Progress to Stage 3/4			
														Overlap with Project Application Boundary	Temporal overlap with construction (2023-2025)	Temporal overlap with operation (2025-2035)						
Projects within Zol of Onshore Cable Route (within 2km)																						
426	Louth	Industrial	23407 ABP Ref. PL15.318956	BAK Bulk Services Ltd.	Permission for 5 number Bonded Whiskey Maturation units of 4,073m ² each, access roads, over ground fire water tanks, landscaped soil berms and all associated site works all accessed through an established Whiskey Maturation Facility. The proposed develop	http://www.eplanning.ie/Louth/C/AppFileRe/Details/2340770	0.5	8.0	Consented	Tier 1	Yes	Yes	05/01/2024	*	✓	✓	Adhoc traffic movements associated with this development and will be managed accordingly. Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
427	Louth	Commercial	2360274	Ardee Bakery Investments Limited	Permission for development as follows: 1.Demolition of rear projections and outbuildings associated and within the curtilage of the protected structures (Former Ardee Bread Company protected structure reference 13823007 and the former Sheridan's Servis	http://www.eplanning.ie/Louth/C/AppFileRe/Details/236027430	1.8	1.9	Consented	Tier 1	Yes	Yes	08/07/2024	*	✓	✓	Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
428	Louth	Residential	24144	V & P Mathews Developments Ltd.	Permission for 47 no. two storey houses comprising 3 no. detached houses, 32 no. semi-detached houses and 12 terraced units. Works will include all associated landscaping and site development works on a site of 1.27 hectares	http://www.eplanning.ie/Louth/C/AppFileRe/Details/2414469	1.4	2.2	Planning	Tier 1	Yes	Yes	28/08/2024	*	✓	✓	Scale of daily traffic flow from the residential development would be negligible in the context of the AATD on the N53. Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
429	Louth	Residential	2480476	BKC Alliance Ltd	Permission for the demolition of a dwelling house and the erection of 22 No. Older people and persons with limited mobility housing units consisting of 5 no. blocks of single storey semi-detached and terrace buildings comprising 18 no. one bedroom units	http://www.eplanning.ie/Louth/C/AppFileRe/Details/248047659	1.1	1.2	Planning	Tier 1	Yes	Yes	22/08/2024	*	✓	✓	Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
Projects within Zol of Onshore Substation (within 2km)																						
430	Louth	Commercial	2423	Express Mini Mix and Skip Hire Ltd	Permission for extension of yard area and site boundaries; relocation of existing vehicular entrance to include alterations to existing roadside site boundaries; alterations to sheds previously approved under planning reference number 20114. The altera	http://www.eplanning.ie/Louth/C/AppFileRe/Details/242339	2.1	2.2	Consented	Tier 1	Yes	Yes	26/08/2024	*	✓	✓	Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
431	Louth	Amenity	23463	St Kevins GAA	Permission for extension to the existing changing room, erection of a ball stopping net, installation of waste water treatment systems and all associated site works *SFI received on 28.6.24 includes change of site boundaries from original submission. *	http://www.eplanning.ie/Louth/C/AppFileRe/Details/2346330	3.9	4.6	Consented	Tier 1	Yes	Yes	19/08/2024	*	✓	✓	Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
432	Louth	Solar	23483	Individual	Permission for Solar PV Energy Development of maximum export capacity 4MW to include photovoltaic panels on ground mounted frames/support structures; one ESB Networks substation building with a height not exceeding 5.2m; underground cabling and ducting; 3	http://www.eplanning.ie/Louth/C/AppFileRe/Details/2348330	4.5	4.5	Consented	Tier 1	Yes	Yes	16/09/2024	*	✓	✓	Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
433	Louth	Agriculture	2400132	Duleek Poultry Enterprises Ltd.	Planning permission to construct 1 No. Poultry Layer House together with all ancillary structures, (to include 1 No. meal storage bin, stormwater attenuation tank and soiled water tank), and all associated site works associated with the proposed develop	http://www.eplanning.ie/Louth/C/AppFileRe/Details/240013269	4.9	4.9	Consented	Tier 1	Yes	Yes	16/09/2024	*	✓	✓	Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
434	Louth	Commercial	2450226	Goulding Fertilizers Ltd	Permission for the construction of three warehouse units and associated site works	http://www.eplanning.ie/Louth/C/AppFileRe/Details/245022659	2.0	2.2	Consented	Tier 1	Yes	Yes	06/01/2025	*	✓	✓	Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
435	Louth	Horticulture	2450382	Dunleer Tidy Towns	Polycarbonate Tunnel and all associated site works	http://www.eplanning.ie/Louth/C/AppFileRe/Details/245038269	4.1	4.6	Consented	Tier 1	Yes	Yes	30/09/2024	*	✓	✓	Traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			
436	Louth	Solar	2400805	Lightsource Renewable Energy Ireland Ltd	Permission sought for of a 10 year permission for a Solar PV Energy Development with associated Battery Energy Storage System (BESS) Compound with a total site area of c. 108.6 ha. to include solar panels mounted on steel support structures, associated c	http://www.eplanning.ie/Louth/C/AppFileRe/Details/240080569	2.9	3.0	Planning	Tier 1	Yes	Yes	19/12/2024	*	✓	✓	Remote from the likely haul route of the Project, traffic impact is limited and therefore there is minimal potential for cumulative effects with the Project.	No	No			

ANNEX 2: MATRIX 2

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
								Marine Processes		
Updated Projects	76	Tier 1	MAC20230003 Consented	Ireland	Port/Marine Infrastructure	Greenore Port: Doyle Shipping Group	Greenore Port Project - ORE O&M facility	Please see assessment in Table 3-2 of appendix 3-2: Cumulative Impact Assessment Report	No further mitigation proposed	No change to EIA conclusions
	79	Tier 1	2022-MAC-005 Planning	Ireland	ORE Projects	Statkraft	North Irish Sea Array (NISA)	Please see assessment in Table 3-2 of appendix 3-2: Cumulative Impact Assessment Report	No further mitigation proposed	No change to EIA conclusions
New Projects	254	Tier 2	MAC20240008	Ireland	Water Pipeline Projects	Uisce Éireann	Upgrade of Water Mains Infrastructure beneath River Boyne, Drogheda, Louth	Please see assessment in Table 3-2 of appendix 3-2: Cumulative Impact Assessment Report	No further mitigation proposed	No change to EIA conclusions
	269	Tier 1	LIC230001	Ireland	ORE Site Investigations	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	Please see assessment in Table 3-2 of appendix 3-2: Cumulative Impact Assessment Report	No further mitigation proposed	No change to EIA conclusions
	278	Tier 1	MUL240011	Ireland	Site Investigations	Bremore Ireland Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure. Dublin and Meath	Please see assessment in Table 3-2 of appendix 3-2: Cumulative Impact Assessment Report	No further mitigation proposed	No change to EIA conclusions

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
				Benthic, Subtidal and Intertidal Ecology						
Updated Projects	76	Tier 1	MAC20230003 Consented	Ireland	Port/Marine Infrastructure	Greenore Port: Doyle Shipping Group	Greenore Port Project - ORE O&M facility	Please see assessment in Table 3-4 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions
	79	Tier 1	2022-MAC-005 Planning	Ireland	ORE Projects	Statkraft	North Irish Sea Array (NISA)	Please see assessment in Table 3-4 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions
New Projects	269	Tier 1	LIC230001	Ireland	ORE Site Investigations	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	Please see assessment in Table 3-4 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
								<i>Fish and Shellfish Ecology</i>		
Updated Projects	76	Tier 1	MAC20230003 Consented	Ireland	Port/Marine Infrastructure	Greenore Port: Doyle Shipping Group	Greenore Port Project - ORE O&M facility	Please see assessment in Table 3-6 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions
	77	Tier 1	2022-MAC-002 Planning	Ireland	ORE Projects	Sure Partners Limited SSE Renewables	Arklow Bank Wind Park Phase 2	Please see assessment in Table 3-6 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions
	78	Tier 1	2022-MAC-006 Planning	Ireland	ORE Projects	Codling Wind Park Ltd.	Codling Wind Park	Please see assessment in Table 3-6 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions
	79	Tier 1	2022-MAC-005 planning	Ireland	ORE Projects	Statkraft	North Irish Sea Array (NISA)	Please see assessment in Table 3-6 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions
	80	Tier 1	2022-MAC-003 and 004 Planning	Ireland	ORE Projects	Bray Offshore Wind Limited and Kish Offshore Wind Limited RWE	Dublin Array	Please see assessment in Table 3-6 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions
New Projects	269	Tier 1	LIC230001	Ireland	ORE Site Investigations	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	Please see assessment in Table 3-6 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
<i>Marine Mammals</i>										
Updated Projects	28	Tier 1	-	UK	ORE Projects - Windfarm	Consortium of EnBW and BP	R4 Project 4 (Mona)	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	29	Tier 1	-	UK	ORE Projects - Windfarm	Offshore Wind Limited, a Joint Venture between Cobra Instalaciones y Servicios, S.A. and Flotation E	R4 Project 5 (Morecambe)	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	30	Tier 1	-	UK	ORE Projects - Windfarm	Consortium of EnBW and BP	R4 Project 6 (Morgan)	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	77	Tier 1	2022-MAC-002 Planning	Ireland	ORE Projects	Sure Partners Limited SSE Renewables	Arlow Bank Wind Park Phase 2	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	78	Tier 1	2022-MAC-006 Planning	Ireland	ORE Projects	Codling Wind Park Ltd.	Codling Wind Park	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	79	Tier 1	2022-MAC-005 Planning	Ireland	ORE Projects	Statkraft	North Irish Sea Array (NISA)	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	80	Tier 1	2022-MAC-003 and 004 Planning	Ireland	ORE Projects	Bray Offshore Wind Limited and Kish Offshore Wind Limited RWE	Dublin Array	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	81	Tier 1	FS007555	Ireland	ORE Site Investigations	Sure Partners Ltd	Arlow Bank Wind Park off coast of County Wicklow	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	83	Tier 1	FS007635	Ireland	Site investigations	MaresConnect Ltd	MaresConnect Electricity Interconnector Site Investigation	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
New Projects	269	Tier 1	LIC230001	Ireland	ORE Site Investigations	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	270	Tier 1	MUL230034	Ireland	ORE Site Investigations	Codling Wind Park Limited (CWPL)	Survey mobilisations to inform the location and detailed design of the proposed Codling Wind Park OWF, export cable route, potential O&M base, and other associated works - Dublin to Wicklow	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	276	Tier 1	MUL240008	Ireland	Site investigations	MaresConnect Ltd	Site investigation surveys to assess various factors associated with the interconnector project - Dublin	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	277	Tier 1	MUL240023	Ireland	Site Investigations	Iarnród Éireann	Geotechnical Investigation, Geophysical site investigation surveys, ecology and marine archaeology surveys to inform design options for the proposed East Coast Rail Infrastructure Protection Projects (ECRIIP): Dublin to Wicklow	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	278	Tier 1	MUL240011	Ireland	Site Investigations	Bremore Ireland Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure, Dublin and Meath	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	285	Tier 1	MUL240010	Ireland	Site Investigations	EirGrid	Site Investigations to inform design and environmental assessment of Electrical Cable Circuit crossing Dublin Bay	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
	350	Tier 1	MUL240026	Ireland	Research	Uisce Éireann	Strategic Modelling study of water currents and bathymetry, Southeast Coast of Ireland (Wexford, Waterford)	Please see assessment in Table 3-8 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
Updated Projects	28	Tier 1	-	UK	ORE Projects - Windfarm	Consortium of EnBW and BP	R4 Project 4 (Mona)	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions
	29	Tier 1	-	UK	ORE Projects - Windfarm	Offshore Wind Limited, a Joint Venture between Cobra Instalaciones y Servicios, S.A. and Flotation E	R4 Project 5 (Morecambe)	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions
	30	Tier 1	-	UK	ORE Projects - Windfarm	Consortium of EnBW and BP	R4 Project 6 (Morgan)	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions
	77	Tier 1	2022-MAC-002 Planning	Ireland	ORE Projects	Sure Partners Limited SSE Renewables	Arklow Bank Wind Park Phase 2	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions
	78	Tier 1	2022-MAC-006 Planning	Ireland	ORE Projects	Codling Wind Park Ltd.	Codling Wind Park	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions
	79	Tier 1	2022-MAC-005 Planning	Ireland	ORE Projects	Statkraft	North Irish Sea Array (NISA)	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions
	80	Tier 1	2022-MAC-003 and 004 Planning	Ireland	ORE Projects	Bray Offshore Wind Limited and Kish Offshore Wind Limited RWE	Dublin Array	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions
New Projects	256	Tier 1	-	UK	ORE Projects - Windfarm	Hexicon AB	TwinHub	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions
	412	Tier 1	-	UK	ORE Projects	Orsted	Moor Vannin	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions
	413	Tier 1	-	UK	ORE Projects	Cierco Energy,	Llŷr floating offshore wind project	Please see assessment in section 3.5.2 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAI conclusions

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
Updated Projects	76	Tier 1	MAC20230003 Consented	Ireland	Port/Marine Infrastructure	Greenore Port: Doyle Shipping Group	Greenore Port Project ORE O&M facility	Please see assessment in Table 3-19 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIA conclusions
	78	Tier 1	2022-MAC-006 Planning	Ireland	ORE Projects	Codling Wind Park Ltd.	Codling Wind Park	Please see assessment in Table 3-19 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIA conclusions
	79	Tier 1	2022-MAC-005 Planning	Ireland	ORE Projects	Statkraft	North Irish Sea Array (NISA)	Please see assessment in Table 3-19 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIA conclusions
	80	Tier 1	2022-MAC-003 and 004 Planning	Ireland	ORE Projects	Bray Offshore Wind Limited and Kish Offshore Wind Limited RWE	Dublin Array	Please see assessment in Table 3-19 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIA conclusions

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
				Shipping and Navigation						
Updated Projects	76	Tier 1	MAC20230003 Consented	Ireland	Port/Marine Infrastructure	Greenore Port: Doyle Shipping Group	Greenore Port Project - ORE O&M facility	Please see assessment in Table 3-21 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions
	79	Tier 1	2022-MAC-005 Planning	Ireland	ORE Projects	Statkraft	North Irish Sea Array (NISA)	Please see assessment in Table 3-21 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions
New Projects	276	Tier 1	MUL240008	Ireland	Site investigations	MaresConnect Ltd	Site investigation surveys to assess various factors associated with the interconnector project - Dublin	Please see assessment in Table 3-21 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions
	278	Tier 1	MUL240011	Ireland	Site Investigations	Bremore Ireland Port Designated Activity Company (BIPDAC)	Site investigations to inform the location and design of a proposed port infrastructure. Dublin and Meath	Please see assessment in Table 3-21 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
				Infrastructure, Marine Recreation and Other Users						
Updated Projects	76	Tier 1	MAC20230003 Consented	Ireland	Port/Marine Infrastructure	Greenore Port: Doyle Shipping Group	Greenore Port Project - ORE O&M facility	Please see assessment in Table 3-23 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions
	79	Tier 1	2022-MAC-005 Planning	Ireland	ORE Projects	Statkraft	North Irish Sea Array (NISA)	Please see assessment in Table 3-23 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions
New Projects	269	Tier 1	LIC230001	Ireland	ORE Site Investigations	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	Please see assessment in Table 3-23 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
				Seascape, Landscape and Visual Amenity						
Updated Projects	79	Tier 1	2022-MAC-005 Planning	Ireland	ORE Projects	Statkraft	North Irish Sea Array (NISA)	Please see assessment in Table 3-27 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions
	83	Tier 1	FS007635	Ireland	Site investigations	MaresConnect Ltd	MaresConnect Electricity Interconnector Site Investigation	Please see assessment in Table 3-27 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions.
New Projects	269	Tier 1	LIC230001	Ireland	ORE Site Investigations	North Irish Sea Array Limited	Site investigation activities to inform development of the NISA offshore windfarm and export cable of the coasts of Dublin, Meath and Louth	Please see assessment in Table 3-27 of appendix 3-2: Cumulative Impact Assessment Report	No mitigation is proposed to address cumulative effects.	No change to EIAR conclusions

New/Updated Project	ID	Tier	Application Reference	Applicant for 'other development' and brief description				Assessment of cumulative effect with the Project	Proposed mitigation applicable to the Project including any apportionment	Residual cumulative effect
				Location	Type	Developer	Project Title			
Bats in the Marine Environment										
Updated Projects	78	Tier 1	2022-MAC-006 Planning	Ireland	ORE Projects	Codling Wind Park Ltd.	Codling Wind Park	Please see assessment in Table 3-29 of appendix 3-2: Cumulative Impact Assessment Report	No significant effects are predicted therefore no mitigation has been proposed.	No change to EIAR conclusions