An Roinn Tithíochta,
Pleanála agus Rialtais Áitiúil
Department of Housing,
Planning and Local Government

| **Investigative Foreshore Licence Application (Offshore Renewable Energy)** | |
|---|---|
| **Please indicate project category as appropriate:** | |
| **Wave:** | |
| **Tidal:** | |
| **Wind:** | **X** |
| **Other:** | **Please specify:** |

## DATA PROTECTION

The Office of the Data Protection Commissioner states that the sending of marketing material to individuals without consent may result in action by the Data Protection Commissioner against the sender including prosecution. It is the responsibility of persons or entities wishing to use any personal data on an application form for direct marking purposes to be satisfied that that they may do so legitimately under the requirements of the Data Protection Acts 1998 and 2003 and with regard to General Data Protection Regulation (2016/679) requirements.

## Applicant Name and Address:

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|---|
| **Full Name of Applicant (not Agent):**<br><br>[redacted]<br>Offshore Wind Project Director (Ireland), ESB |
| **Company/Organisation:**<br><br>ESB Wind Development Limited, a wholly owned subsidiary of ESB. |
| **Address:**<br><br>ESB Wind Development Limited<br>ESB Head Office<br>27 Fitzwilliam Street Lower<br>Dublin 2 |
| **Eircode:**<br><br>D02 KT92 |

## Applicant Contact Details:

| |
|---|
| **Phone No:**<br><br>+353 (0)[redacted] |
| **E-mail address:**<br><br>[redacted]@esb.ie |

## Nominated Contact (Where Different from Above):

| |
|---|
| **Name:**<br><br>[redacted] |
| **Address:**<br><br>ESB Engineering & Major Projects<br>One Dublin Airport Central<br>Dublin Airport<br>Cloghran<br>Co. Dublin<br>K67 XF72 |
| **Phone No:**<br><br>+353 (0[redacted] |
| **E-mail address:**<br><br>[redacted] |

## Applicant's Legal Advisor:

| |
|---|
| **Name:**<br><br>[redacted], Partner, McCann Fitzgerald |
| **Address:**<br><br>Riverside One, Sir John Rogerson's Quay, Dublin 2, D02 X576 |
| **Phone No:**<br><br>+353 (0[redacted] |
| **E-mail address:**<br><br>[redacted]@mccannfitzgerald.com |

## Part 1: Proposal Details
## (See also Non Statutory Environmental Report & Schedule of Work)

| | |
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| **1.1** | **Provide background information on the project including reason and objectives of the site investigations, the site selection process and any proposals for future works at the site.**<br><br>Background<br><br>This application for a foreshore licence is made by ESB Wind Development Limited, a wholly owned subsidiary of ESB. ESB plans to develop offshore wind farms around the coast of Ireland in support of national and European targets for renewable electricity generation and de-carbonisation of our society.<br><br>The 'Celtic Offshore Wind' project is comprised of two projects, namely Celtic One Offshore Wind, a fixed foundation project, and Celtic Two Offshore Wind, a floating foundation project. Celtic Offshore Wind is located to the south of County Cork and to the southwest of County Waterford, with Celtic One Offshore Wind at approximately 7.5km from shore.<br><br>The entirety of the Celtic One Offshore Wind area of search is located within the 12 nautical mile (nm) limit. The export cable corridor area of search is the only aspect of Celtic Two Offshore Wind located within the 12nm limit with the turbine array area of search located beyond. For the purpose of this Foreshore Licence application, the Application area includes Celtic One Offshore Wind and the export cable corridor for Celtic Two Offshore Wind.<br><br>This Foreshore licence application relates to proposed Site Investigation (SI) works only. These works are temporary and short term in nature.<br><br>The ultimate project, the wind farms, will be the subject of a full consent application in due course and is outside the scope of this application. This initial stage in the overall development process is focussed on the undertaking of SI works only in order to inform ongoing feasibility assessments for the developments, the overall design of the wind farms and to inform the completion of an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany any future project consent application. The impacts of the construction and operational stages of any proposed wind farm will be addressed in an EIAR and NIS that will accompany any future consent application.<br><br>It is noted that the project study area for Celtic Two Offshore Wind extends beyond the 12nm foreshore limit. If and when additional permissions for investigation works for the area beyond the 12nm limit are required and a process is in place to facilitate applications, those will be sought. |

Site Selection Process

Over the course of 2019-2020 ESB undertook an extensive site selection process where they assessed the entire coast of the Republic of Ireland (RoI), in order to identify potentially suitable sites for the development of offshore wind farms. That process involved preliminary assessments of both environmental and technical aspects of a development with consideration for the various stakeholders and marine users who could be potentially impacted by both SI works and the ultimate development (the wind farm itself).

As an outcome to that process ESB has identified a number of preferred projects which they will now seek to take to the next stage in the process; the undertaking of more detailed investigations, surveying and consultation in order to assist in making a decision on whether a feasible development opportunity exists.

One such project is Celtic Offshore Wind, the subject of this Foreshore Licence application. Celtic Offshore Wind is not dependent on any other suitable site, functionally, legally or otherwise.

SI Objectives

A detailed description of the SI objectives is provided in the accompanying **Schedule of Works** document. However, at a high level the objectives of the works proposed under this Foreshore Licence application are as follows:

- To gather further information on seabed and sub-seabed information.
- To gather sufficient geotechnical data to allow the characterisation of the sub-seabed strata.
- To collect accurate wind and metocean (wave, current, tide and water levels) information.
- To provide the project team with baseline information on the environmental conditions at the site, including marine ecology, bird, mammals and benthos.
- To provide the project team with information on the archaeological conditions at the site.

In order to meet the above objectives various SI works and monitoring device deployments are required, for which ESB require a Foreshore Licence.

Future Works

Subject to ongoing assessments for this site, some of which will be informed by the SI outcomes, and assuming the site is considered feasible for development and progresses to attain an appropriate suitable consent, potential future works would relate to the ultimate development of the wind farm and associated ancillary features.

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| | At a high level this would include for the Celtic One Offshore Wind the construction of fixed offshore wind turbines and offshore substation platform(s), the laying of offshore cables and the construction of associated onshore works including grid connection (anticipated to be underground cables) and substation works. Works for Celtic Two Offshore Wind would be similar to that of Celtic One with the exception that the offshore wind turbine and substation foundations would be floating structures tethered to the seabed by a combination of mooring lines and anchors.<br>This application constitutes a Foreshore Licence application for the undertaking of SI activities only. These activities are required in order to inform the overall project feasibility, conditions at site and along the cable route, the various assessments required to progress the project and the development of the project.<br>This application does not comprise the ultimate consent application for the overall wind farm development which will be the subject of a future application to the appropriate authorities.<br>An **Non Statutory Environmental Report** and **Schedule of Works** document are also included with this application and provide detailed information to supplement the information contained herein. |
| **1.2** | **Possible MW output of final development:**<br><br>A combined potential output of circa. 1 GW (subject to change following engagement with Transmission System Operator) for Celtic One Offshore Wind and Celtic Two Offshore Wind developments. |
| **1.3** | **Type of surveys proposed (e.g. geophysical, geotechnical, archaeological or benthic.**<br><br>Full details of the proposed surveys are as detailed in the **Schedule of Works** document and indicative survey locations are provided in **Map QS-000316-01-D460-002-003** provided in Appendix A. In summary these include the following;<br><br>Geophysical surveys proposed include:<br>- Multibeam Echosounder (MBES)<br>- Side Scan Sonar (SSS)<br>- Sub-Bottom Profiling (SBP) / Ultra High Resolution Seismic (UHRS)<br>- Magnetometer Survey<br><br>Geotechnical surveys proposed include:<br>- Boreholes<br>- Cone Penetration Testing (CPT)<br>- Vibro Core (VC) / Grab Sampling<br>- Down the Hole testing<br>- Trial Pits |

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| | Oceanographic & Metocean surveys proposed include:<br>- Equipment Deployment & Recovery from a vessel<br>- Acoustic Doppler Current Profiler (ADCP) to measure ocean currents<br>- Wave Buoys<br>- Floating Lidar Buoy to measure wind speed at height<br><br>Environmental/Ecological & Archaeological Surveys proposed include:<br>- Benthic Sampling<br>- Static Acoustic monitoring<br>- Archaeological Surveys |
| **1.4** | **Survey methodologies and equipment to be used for each survey type proposed:**<br><br>Detailed information on the techniques, methodologies and equipment of the SI are included in **Schedule of Works** document. |
| **1.5** | **Describe the nature and scale of any structure to be erected on the foreshore for testing the suitability of the site. Is the structure proposed to be temporary or permanent?**<br><br>No structures are proposed for erection on the foreshore. |
| **1.6** | **Provide information on proposed mooring, marking and lighting arrangements for any proposed deployment of instrument arrays.**<br><br>Detailed information is included in Schedule of Works document. All device deployments will comply with the requirements of the Commissioners of Irish Lights (CIL) and will be agreed in consultation with the relevant department within the Irish Maritime Directorate within the Department of Transport prior to the commencement of any survey work. |
| **1.7** | **Has the applicant held or does the applicant hold any previous Foreshore Licences, Leases or applications over the area sought or over any other area? (Give details including Department's file reference number(s)).**<br><br>The applicant, ESB Wind Development Limited, does not hold any Foreshore Licence, Lease or applications for the area considered by this application and does not hold any other previous licences, leases or applications.<br>Other licences and leases related to the ESB group are as follows:<br>• Hibernian Wind Power Limited - File Ref No. FS006318<br>• Hibernian Wind Power Limited - File Ref No. FS006787<br>• Hibernian Wind Power Limited - File Ref No. FS006788<br>• Hibernian Wind Power Limited - File Ref No. FS006852<br>• Moneypoint Power Station - File Ref No. FS007141<br>The applicant has submitted a separate Foreshore Licence application for 'Helvick |

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| | Head Offshore Wind' which partially overlaps the Foreshore Licence boundary for Celtic Offshore Wind. |
| **1.8** | **Indicative timing of the investigation works: (i) Start date (ii) Duration (iii) Any other information relevant to timing.**<br><br>Detailed information on the timing and duration of SI activities are included in the **Schedule of Works**, subject to the grant of a Foreshore Licence. |
| **1.9** | **Describe any likely interactions with activities of the public or other foreshore users during the investigative works (e.g. fishing, aquaculture, sailing, and surfing). Describe any measures proposed to minimise inconvenience to other users.**<br><br>The **Non Statutory Environmental Report** contains details on potential interactions with other marine users and describes measures proposed to mitigate inconvenience therein. The surveys and SI works will be of limited duration and it is envisaged that the impact will be imperceptible. |
| **1.10** | **Describe any consultations undertaken to date with other foreshore users.**<br><br>The **Non Statutory Environmental Report** contains details on consultations undertaken to date. |
| **1.11** | **Describe any consultations undertaken to date with other consent authorities e.g. planning authority, Commission for Energy Regulation etc.**<br><br>The **Non Statutory Environmental Report** contains details on consultations undertaken to date. |
| **1.12** | **Describe briefly any consultations undertaken with relevant authorities (e.g. county council, port/harbour authority etc) or State Agencies e.g. National Parks & Wildlife Service (NPWS), National Monuments Service (NMS) of Department of Arts, Heritage and the Gaeltacht:**<br><br>The **Non Statutory Environmental Report** contains details on consultations undertaken to date. |
| **1.13** | **Describe briefly any support received or under application with the Sustainable Energy Authority of Ireland (SEAI) or other State Agency:**<br><br>N/A |

## Part 2: Proposed Site
## (See also Appendix A & Non Statutory Environmental Report)

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| **2.1** | **Delineate the proposed site in red on a latest edition map at a scale of 1:10 000 or larger scale if more appropriate and available, indicating:**<br>**(i) the entire area;**<br>**(ii) the hectarage involved below the line of high water of medium tides clearly marked in RED and**<br>**(iii) the area of foreshore involved in metric measurements (i.e. hectares, metres squared or square kilometres etc).**<br><br>See attached **Drawing QS-000316-01-D460-002-001** provided in Appendix A.<br>Also provided in Appendix A for information purposes is **Drawing QS-000316-01-D460-002-002** which illustrates the export cable corridor areas of search and the WTG array area of search within the foreshore licence boundary. |

**2.2** **Geographic co-ordinates of the area under application, where the area can also be identified on the Ordnance Survey map, specify Ordnance Survey co-ordinates also.**

| ID | Easting (ITM) | Northing (ITM) | ID | Easting (ITM) | Northing (ITM) | ID | Easting (ITM) | Northing (ITM) |
|---|---|---|---|---|---|---|---|---|
| 1 | 594744.5 | 561295.5 | 30 | 607292.7 | 541188.1 | 59 | 581056.2 | 562540.1 |
| 2 | 598550.9 | 554508.7 | 31 | 606935.4 | 540959.8 | 60 | 580920.7 | 563039.4 |
| 3 | 627904.2 | 568231.1 | 32 | 597430.4 | 547767.2 | 61 | 581051.7 | 563540.5 |
| 4 | 633026.9 | 569188.9 | 33 | 596229.6 | 549245.3 | 62 | 581068.6 | 564213.6 |
| 5 | 636245.3 | 565075.9 | 34 | 588205 | 548050.8 | 63 | 581163.9 | 564427.4 |
| 6 | 632681.7 | 561776.6 | 35 | 587852.3 | 548029.8 | 64 | 581365 | 564495.2 |
| 7 | 618522.6 | 557390.6 | 36 | 587578.7 | 548056.7 | 65 | 581590.4 | 565113.7 |
| 8 | 622583.4 | 551560.8 | 37 | 587311.4 | 548120.9 | 66 | 581927.1 | 565349.9 |
| 9 | 622520.7 | 551516.6 | 38 | 587055.4 | 548221.1 | 67 | 583367.7 | 565792.7 |
| 10 | 622407 | 551436.3 | 39 | 586848.7 | 548334.2 | 68 | 584455.3 | 566215.8 |
| 11 | 622406.6 | 551436 | 40 | 586656.7 | 548470.9 | 69 | 584994.5 | 566334.6 |
| 12 | 622275.7 | 551343.6 | 41 | 584953.7 | 549841.8 | 70 | 585511.7 | 565807.1 |
| 13 | 622147.2 | 551253 | 42 | 583059 | 550991.5 | 71 | 583959.7 | 564205 |
| 14 | 621891.8 | 551072.8 | 43 | 582800.4 | 551178.1 | 72 | 582380.1 | 564404.6 |
| 15 | 621619.6 | 550880.7 | 44 | 582627.8 | 551343.8 | 73 | 582201.1 | 563784.1 |
| 16 | 621267.9 | 550632.5 | 45 | 582453.1 | 551561.5 | 74 | 582345 | 563179.2 |
| 17 | 620696 | 550229 | 46 | 582292.9 | 551837.2 | 75 | 582293.9 | 561920.7 |
| 18 | 620077.3 | 549792.4 | 47 | 582178.5 | 552134.9 | 76 | 582609.6 | 561172.1 |
| 19 | 619109.4 | 549109.5 | 48 | 581393.9 | 554795.7 | 77 | 582259.9 | 560328 |
| 20 | 618225.2 | 548485.5 | 49 | 579913.4 | 557759 | 78 | 582385.2 | 559960 |
| 21 | 617553.1 | 548011.3 | 50 | 580574.4 | 558745.1 | 79 | 582625.5 | 560030 |
| 22 | 616669.2 | 547387.6 | 51 | 580722.6 | 559329.8 | 80 | 582785.9 | 559292.1 |
| 23 | 615361.5 | 546464.9 | 52 | 581507 | 560852.5 | 81 | 587943.3 | 558819.3 |
| 24 | 613963.6 | 545478.5 | 53 | 581661.8 | 560912.1 | | | |
| 25 | 613797.2 | 545388.3 | 54 | 581672.4 | 560986.1 | | | |
| 26 | 613555.2 | 545257.1 | 55 | 581459.6 | 561181.9 | | | |
| 27 | 613116.5 | 544909.4 | 56 | 581615.7 | 561414.7 | | | |
| 28 | 611063.3 | 543597.4 | 57 | 581427.3 | 561633.8 | | | |
| 29 | 609308.5 | 542476.2 | 58 | 581290.3 | 562084.6 | | | |

See **Drawing QS-000316-01-D460-002-004** provided in Appendix A illustrating these co-ordinates.

**2.3** **Delineate proposed site on relevant Admiralty Chart.**

See **Drawing QS-000316-01-D460-002-001** provided in Appendix A

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| **2.4** | **Relevant Local Authority:**<br><br>Cork County Council and Waterford County Council |
| **2.5** | **Location name and nearest townland name:**<br><br>Site has been named 'Celtic Offshore Wind' by ESB.<br>As the proposed SI boundary area is bounded by the High-Water Mark along the coast within County Cork, a number of townlands are directly adjacent to the site boundary.<br>These are listed below;<br>• BALLINCARROONIG, AGHADA, CORKBEG, CARLISLEFORT. |
| **2.6** | **Distance from nearest other developments, including any offshore renewable energy developments on the foreshore:**<br><br>The proposed Foreshore Licence area overlaps linear seabed infrastructure which is detailed in the **Non Statutory Environmental Report.**<br>The proposed Foreshore Licence boundary overlaps the following known proposed developments:<br>• Celtic Interconnector (FS006672, FS006766)<br>• DP Energy Site Investigations at Inis Ealga (FS006859, FS007404)<br>• Simply Blue Emerald Site Investigations for possible Floating Offshore Wind project off Kinsale (FS007139) |
| **2.7** | **Distance from shore:**<br><br>The wind turbine array area of search is approximately 7.5km from the coast at its nearest point. The export cable corridor area of search extends to the shore where cable(s) will landfall. Site investigation survey works are proposed in both areas. |
| **2.8** | **Distance from nearest aquaculture operation:**<br><br>Data available from the Department of Aquaculture, Food and the Marine as provided on the Marine Institutes, Ireland's Marine Atlas shows that there is an Aquaculture operation within the proposed Foreshore Licence boundary at Cork Harbour -Atlantic Shellfish Ltd (ID number T05/002OFO). Further information is included in the **Non Statutory Environmental Report**. |

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| **2.9** | **Distance from any other sensitive location e.g. fish spawning ground, designated Shellfish Growing Waters**<br><br>The Application area lies within low-intensity spawning grounds of cod, as well as within spawning grounds for haddock, herring, nephrops, and whiting and to a lesser extent, plaice. Anglerfish use the application area as high-intensity nursery grounds whilst blue whiting, cod, hake, ling, mackerel, spurdog and whiting also utilise the Application area as low-intensity nursery grounds. Lemon sole, nephrops, horse mackerel, megrim and to a lesser extent, herring and anglerfish also utilise the Application area as nursery grounds. Spawning grounds for hake, horse mackerel, ling and sandeel are present within the wider vicinity, including throughout the Irish Sea and within a large area of the Celtic Sea. Due to the extent of the area of spawning and nursery activity and the limited spatial and temporal extent of the proposed surveys, no impacts to these habitats or species (or areas) are predicted. |
| **2.10** | **Any other site details considered relevant:**<br><br>The foreshore licence application boundary overlays areas previously licenced for historic 'Dumping at Sea' and oil / gas activities. Further information is included in the **Non Statutory Environmental Report**. |

## Part 3: Nature Conservation Considerations (See also Supporting Information: Screening for Appropriate Assessment Report and Natura Impact Statement)

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| **3.1** | **Distance from nearest Natura 2000 sites (i.e. Special Protection Area (SPA) or Special Area of Conservation (SAC):**<br><br>Part of the proposed survey area lies within the following SPAs:<br>• [IE0004030] Cork Harbour SPA<br>The following SPAs lie within 15 km of the proposed survey area:<br>• [IEC004022] Ballycotton Bay SPA (4.4 km)<br>• [IEC004023] Ballymacoda Bay SPA (11.5 km)<br>• [IE0004192] Helvick Head to Ballyquin SPA (12.8 km)<br>• [IEC004124] Sovereign Islands SPA (14.0 km)<br><br>No SACs overlap the proposed survey area.<br>The following SACs with Annex I habitat Qualifying Interests (QIs) lie within 5 km of the proposed survey area:<br>• [IE0001058] Great Island Channel (3.0 km)<br>The nearest SAC to the proposed survey area with marine mammal QIs is [IE0000707] Saltee Islands SAC (24 km)<br>The nearest SAC to the proposed survey area with Annex II diadromous fish QIs is [IE0002170] Blackwater River SAC (16 km) |
| **3.2** | **Name and location of Natura 2000 sites in or around the project area:**<br><br>Please refer to Section 4 and Table 4.1, 4.5, 4.6 and 4.7 in the **Supporting Information: Screening for Appropriate Assessment Report** for this Licence application for a full list of Natura 2000 sites in or around the project area. |
| **3.3** | **Describe potential impacts of the site investigations on Natura 2000 sites.**<br><br>Please refer to the **Supporting Information: Screening for Appropriate Assessment Report** and **Natura Impact Statement** which has been prepared for this Licence application. The Natura Impact Statement concluded that following application of suitable mitigation measures the SI works, either alone or in-combination with other plans or projects, would not have an adverse effect on the integrity of any Natura 2000 site. |
| **3.4** | **Describe any measures proposed to mitigate possible impacts on Natura 2000 sites and other key marine receptors.**<br><br>Full details of the mitigation measures are provided in the **Natura Impact Statement** which accompanies this application. The following is a summary of the mitigation of measures proposed in the Natura Impact Statement for this Licence application.<br>**Cork Harbour SPA**<br>- Given the variation in disturbance sensitivity of the wintering assemblages |

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| | of birds, a restriction to works within 1km of the SPA between the months of September to March inclusive will eliminate the effect of noise or visual disturbance and prevent a pathway occurring that may result in a potential adverse effect to the wintering bird assemblages at this SPA.<br>- A precautionary buffer restricting works within 1km of the Cork Harbour SPA from September to March will serve to eliminate any potential adverse impacts from disturbance and displacement effects on wintering diving birds.<br>- To ensure no adverse effects to breeding common terns, mitigation in the form of 200m buffers around identified common tern breeding colony locations in the Cork Harbour SPA during the period April to July, inclusive is considered appropriate.<br>**Ballycotton Bay SPA**<br>- Given the potential for connectivity between this estuarine SPA and Cork Harbour SPA (parts of which overlap or are within 1km of proposed works) the mitigation measures proposed for Cork Harbour SPA also mitigate possible ex situ impacts to Ballycotton Bay SPA.<br>**Ballymacoda Bay SPA**<br>- Given the potential for connectivity between this estuarine SPA and Cork Harbour SPA (parts of which overlap or are within 1km of proposed works) the mitigation measures proposed for Cork Harbour SPA also mitigate possible ex situ impacts to Ballymacoda Bay SPA.<br>**Marine Mammals**<br>No Likely Significant Effects was concluded for the marine mammal Qualifying Interests (QIs) of 14 relevant SACs for the Project both alone and in combination with other plans/projects. Mitigation measures will be implemented regardless, in line with the DAHG (2014)[1] *Guidance to manage the risk to marine mammals from man-made sound sources in Irish waters,* to negate any possible effects of auditory injury resulting from noise arising from survey works on marine mammals. Mitigation measures which the Project will implement include pre-start monitoring and procedures for ramp-up, survey line or station changes and breaks in sound output (as per section 4.3.4 of DAHG, 2014). With (or without) these mitigation measures, the proposed site investigation work will not adversely affect the conservation objectives of any of the 14 relevant SACs with marine mammal QIs, either alone or in combination with other plans or projects. |

[1] DAHG. (2014). Guidance to manage the risk to marine mammals from man-made sound sources in Irish waters. January 2014. Prepared by the National Parks and Wildlife Service of the DAHG

| | |
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| **3.5** | **Describe any other projects or plans for the area, anticipated or developed, that in combination with this proposal, may have a significant effect on a Natura 2000 site:**<br><br>Appendix C of the **Supporting Information: Screening for Appropriate Assessment Report** for this Licence application (Table C.1) and Appendix B of the **Natura Impact Statement** (Table B.1) describe other projects or plans for the area, anticipated or developed, that in combination with this proposal, may have a significant effect on a Natura 2000 site. These projects and activities, both offshore wind and routine port and harbour activities, have been considered in the in-combination assessment of the Supporting Information: Screening for Appropriate Assessment Report and Natura Impact Statement for Celtic Offshore Wind.<br>For all site / impact and Special Conservation Interest or Qualifying Interests combinations for which no Likely Significant Effect was concluded in Screening it is possible to also conclude no Likely Significant Effect for in combination effects.<br>The Natura Impact Statement concluded that following application of suitable mitigation measures the SI works, either alone or in-combination with other plans or projects, would not have an adverse effect on the integrity of any Natura 2000 site. |

## Part 4: Navigational Safety Considerations (See also Appendix A)

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| **4.1** | **Distance from shipping lanes at nearest point. Illustrate on the appropriate marine charts accompanying the application.**<br><br>There are no formally designated shipping lanes in proximity to the proposed foreshore licence area.<br><br>The main navigation routes interacting with the proposed foreshore licence boundary are for:<br>• Vessels transiting between Waterford and the Cork / Fastnet areas<br>• Vessels transiting between Waterford and the south west of Ireland (beyond Port of Cork area)<br>• Vessels transiting between Off Tuskar TSS / Irish Sea and Cork<br>• Vessels transiting between Off Tuskar TSS / Irish Sea and south west of Ireland and beyond<br>• Vessels transiting between Cork and destinations outside of Ireland |
| **4.2** | **If a safety zone for passage of shipping (including fishing and leisure boats) is sought, supply details and give reasons.**<br><br>N/A |
| **4.3** | **If temporal /spatial restrictions are sought on the use of any type of fishing gear or leisure activity within the area, provide details and justification for such restrictions and indicate location(s) on appropriate marine charts.**<br><br>N/A |

**Declaration and Consent:**

The details provided here are correct to the best of my knowledge.

I understand that no works will be commenced, by me or my agents on the proposed site, without the prior written consent of the Minister. The granting or refusal of any foreshore investigation licence will not give rise on the part of the applicant to any expectation whatsoever for, right or entitlement to a grant of any future foreshore permission in respect of all or any part of any area of foreshore.

By submitting this application form, I agree that the details provided (with personal contact details redacted) are to be published on the Department of Housing website and also that the full information provided including contact details are to be processed and retained by the Department of Housing, Planning and Local Government and shared with all appropriate Prescribed Bodies (as part of the Prescribed Bodies Consultation process) in furtherance of consideration for a foreshore Consent under the Foreshore Act 1933 (and Foreshore Amendment Act 2011).

I give consent to the Minister and his servants to copy this application and to make (a redacted) copy available for inspection and copying by the public. This consent relates to this application, to any further information, or submission provided by me or on my behalf and to the publication of the licence document

**Signed for and on behalf of the applicant:**

[redacted]

**Name of Signatory (block letters):**

[redacted]

**Position Held:**

Offshore Wind Project Director (Ireland), ESB

**Date: 29/11/2021**

**Return completed applications to:**

Marine Environment and Foreshore Section
Department of Housing, Planning and Local Government
Newtown Road
Wexford
Y35 AP90

Enquiries to: Foreshore@housing.gov.ie (Other contact details to be included in Guidance materials)
Email a copy of application documents: Foreshore@housing.gov.ie

## APPENDIX A: DRAWINGS

651646 E, 578760 N

Area - 61711.6 Ha

567467 E, 527592 N

## Legend

- Foreshore Licence Area
- HWM
- 12nm
- ITM Grid Coordinates Intersect

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Not to be used for Navigation

0 2.5 5 7.5 10 12.5 km

[redacted]
[redacted]3A BAI MSc MIEI CEng
ESB,
One Dublin Airport Central,
Dublin Airport, Cloghran,
Co. Dublin. Ireland
03rd December 2020

| REV | DATE | REVISION DESCRIPTION | DRN | PROD | VER | APP |
|---|---|---|---|---|---|---|
| 1 | 11/21 | Updates to Foreshore Licence Application Map | E.O'S | E.O'S | D.K | E.D |
| 0 | 12/20 | Foreshore Licence Application Map | E.O'S | E.O'S | D.K | E.D |

PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED

CLIENT APPROVAL ☐ PLANNING ☐ TENDER ☐ CONSTRUCTION ☐ AS-BUILT ☐

CLIENT: **ESB Generation and Trading**

Energy for generations
Engineering and Major Projects,
One Dublin Airport Central,
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Engineering and Major Projects is a division of ESB.

PROJECT: **Celtic Offshore Wind**

PRODUCTION UNIT: **Civil Environmental & Renewable Engineering**

DRAWING TITLE: **Foreshore Licence Map**

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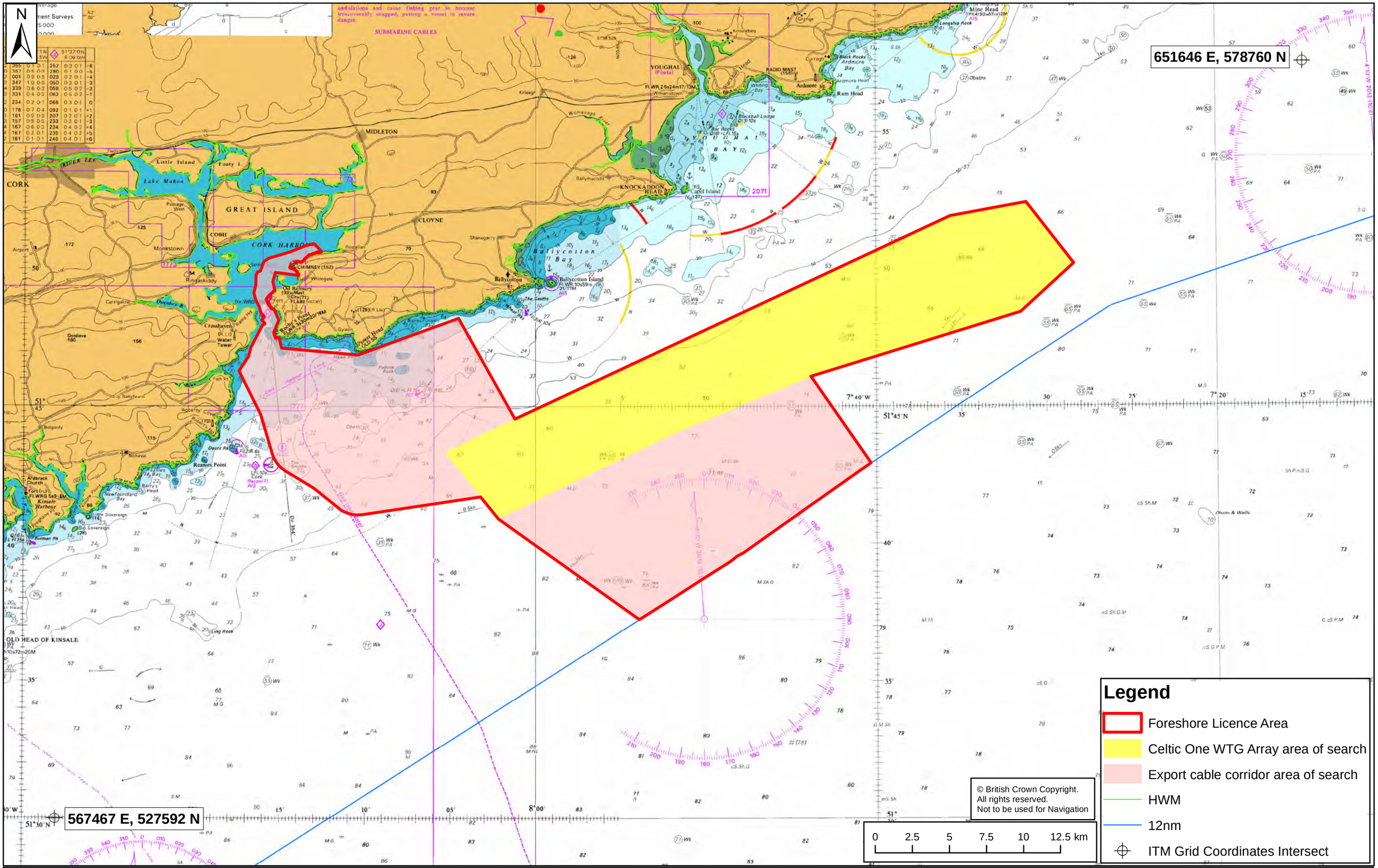
| 00-00 | 00-00 | A3 | 1:230,000 |

DRAWING NUMBER **QS-000316-01-D460-002-001-001**

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|---|---|---|---|---|---|---|
| 1 | 11/21 | Updates to Foreshore Licence Application Map | E.O'S | E.O'S | D.K | E.D |
| 0 | 12/20 | Foreshore Licence Application Map | E.O'S | E.O'S | D.K | E.D |

PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED

CLIENT APPROVAL ☐ PLANNING ☐ TENDER ☐ CONSTRUCTION ☐ AS-BUILT ☐

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PROJECT: **Celtic Offshore Wind**

PRODUCTION UNIT: **Civil Environmental & Renewable Engineering**

DRAWING TITLE: **Development Map**

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651646 E, 578760 N

567467 E, 527592 N

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0 2.5 5 7.5 10 12.5 km

**Note**

- See accompanying Schedule of Works document for full details of proposed survey works within the proposed Foreshore Licence area.
- Geophysical 2D UHRS survey grid spacings shown are illustrative only, actual survey grid will be of a higher density.
- Geophysical surveys will also take place within export cable corridor boundary along preferred export cable route(s).
- Investigative surveys shown are preliminary and subject to change following completion of geophysical surveys.

## Legend

- Borehole
- Borehole/Trial Pit
- CPT/VC
- Grab Sample
- ADCP
- Floating Lidar Buoy
- Static Acoustic Monitor
- Waverider Buoy
- Foreshore Licence Area
- Geophysical - 2D UHRS survey lines
- ITM Grid Coordinates Intersect
- HWM
- 12nm

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| REV | DATE | REVISION DESCRIPTION | DRN | PROD | VER | APP |
|---|---|---|---|---|---|---|
| 2 | 11/21 | Updates to Foreshore Licence Application Map | E.O'S | E.O'S | D.K | E.D |
| 1 | 11/21 | Updates to Foreshore Licence Application Map | E.O'S | E.O'S | D.K | E.D |

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PROJECT: **Celtic Offshore Wind**

PRODUCTION UNIT: **Civil Environmental & Renewable Engineering**

DRAWING TITLE:
**Site Investigation**
**Indicative Survey Locations Map**

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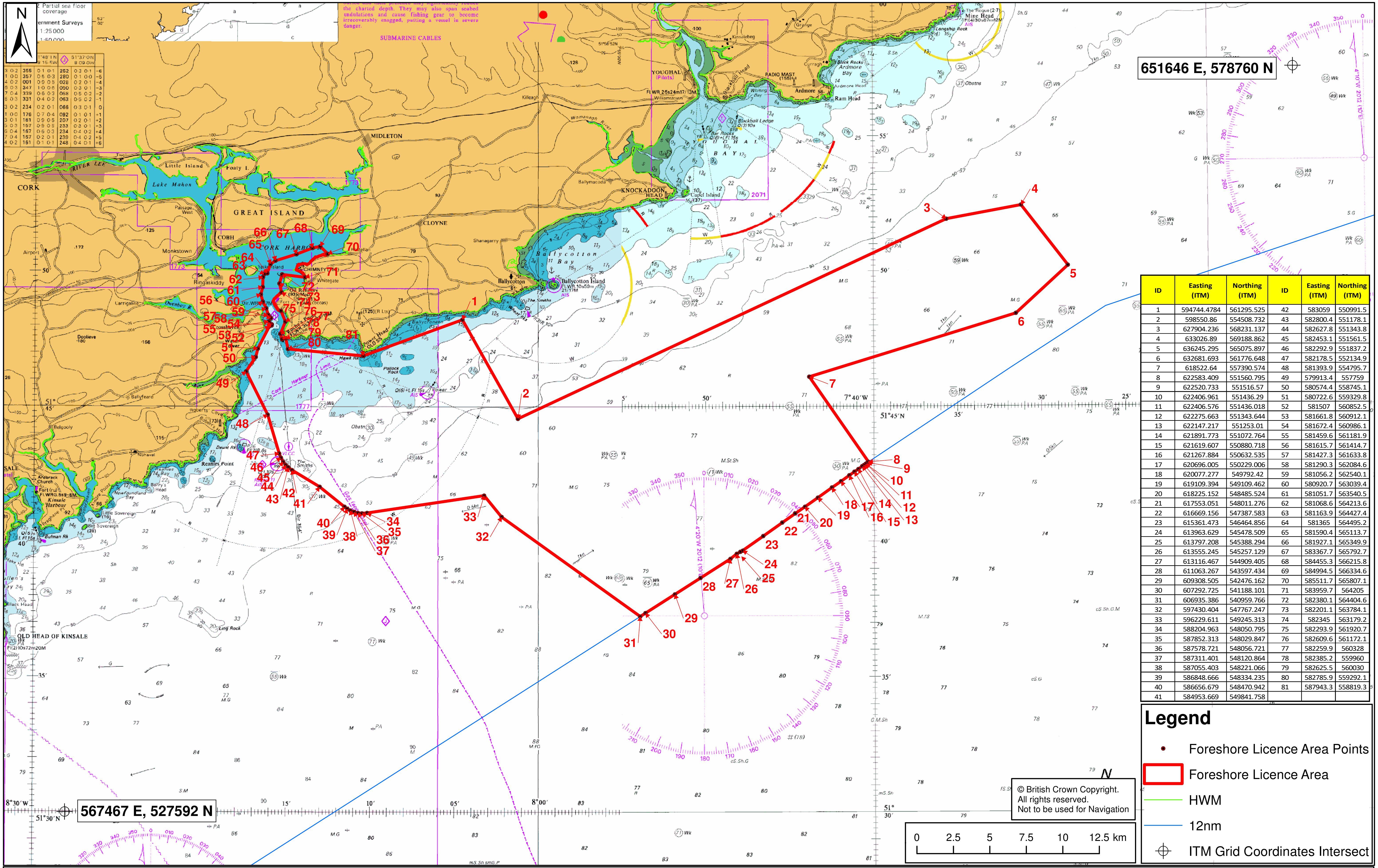


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| 5 | 636245.295 | 565075.897 | 46 | 582292.9 | 551837.2 |
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| 7 | 618522.64 | 557390.574 | 48 | 581393.9 | 554795.7 |
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| 15 | 621619.607 | 550880.718 | 56 | 581615.7 | 561414.7 |
| 16 | 621267.884 | 550632.535 | 57 | 581427.3 | 561633.8 |
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| 20 | 618225.152 | 548485.524 | 61 | 581051.7 | 563540.5 |
| 21 | 617553.051 | 548011.276 | 62 | 581068.6 | 564213.6 |
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| 38 | 587055.403 | 548221.066 | 79 | 582625.5 | 560030 |
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## Legend

- Foreshore Licence Area Points
- Foreshore Licence Area
- HWM
- 12nm
- ITM Grid Coordinates Intersect

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PROJECT: **Celtic Offshore Wind**

PRODUCTION UNIT: **Civil Environmental & Renewable Engineering**

DRAWING TITLE: **Coordinates of the area under application**

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APPROVAL DATE: 22/11/2021

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