



Morven North Offshore Wind Array Project

Environmental Impact Assessment Report

**Volume 3, Annex 6.1: Cumulative Effects
Screening**

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1 Introduction

- 1.1.1.1 Under the Environmental Impact Assessment (EIA) Regulations (as defined in Volume 1, Chapter 2: Policy and Legislation) it is a legal requirement to complete a Cumulative Effects Assessment (CEA), which forms part of the EIA. The National Marine Plan 2 provides guidance which emphasises the need to consider cumulative effects of past, present and emerging human activities in the marine environment by using a systematic process to evaluate environmental impacts (Scottish Government, 2023).
- 1.1.1.2 The EIA assesses the Likely Significant Effects (LSE¹) (as defined by the EIA Regulations) that may arise from the Morven North Offshore Wind Array Project (hereafter “Morven North”) alone or the Morven South Offshore Wind Array Project (hereafter “Morven South”) alone. The EIA also includes a CEA, which assesses the likely significant cumulative effects that may arise from Morven North or Morven South together with other projects, plans and activities on the same receptor or resource.
- 1.1.1.3 When undertaking a CEA, a fundamental requirement is to identify any expected projects, plans and activities with which Morven North or Morven South may interact and give rise to cumulative effects. All phases of development (construction, operation and maintenance (O&M), and decommissioning) of Morven North and Morven South are considered when assessing likely significant cumulative effects.
- 1.1.1.4 This shared cumulative effects screening annex sets out the long list of relevant projects, plans and activities with which Morven North and Morven South may interact to produce a cumulative effect. The screening matrix presented within this annex identifies projects, plans and activities with a spatial or temporal overlap with Morven North and Morven South. Projects, plans and activities have been screened for Morven North and Morven South in turn, accounting for their specific locations.
- 1.1.1.5 The screening matrix underpins the CEAs for both Morven North and Morven South, as presented in Volume 2, Chapter 7 to 20 of the Morven North EIA Report and the Morven South EIA Report, where screening has been undertaken for each topic to identify projects, plans and activities where there is potential for a cumulative effect on the identified topic receptors. The Morven Hawthorn Pit Grid Connection Project (hereafter “MHPGC Project”) and the Morven Branxton Area Connection Project (hereafter “MBAGC Project”) have been considered in the Morven North and Morven South CEA as distinct components and have been included as separate projects within the CEA long list.
- 1.1.1.6 It is recognised that the projects, plans and activities identified within the screening matrix are continually evolving along their individual programmes. Quantitative assessment of cumulative effects has considered the information on other relevant plans, projects and activities which were publicly available six months prior to Morven North and Morven South application submission. Qualitative assessment of cumulative effects has considered information which was publicly available three months prior to Morven North and Morven South application submission (as agreed through consultation with MD-LOT, with confirmation received by email on 21 July 2025).
- 1.1.1.7 This revision of the Morven Cumulative Screening Annex is based upon the CEA long list compiled in February 2026 for the qualitative assessment of cumulative effects.

2 Methodology

2.1.1.1 Information was gathered on projects, plans and activities according to a three-stage approach:

- Stage 1: a CEA long list of relevant projects, plans and activities located within the largest Cumulative Study Area identified was produced (see Section 2.2);
- Stage 2: the CEA long list was supplemented with information about the component plans, projects and activities to facilitate the screening process (see Section 2.3);
- Stage 3: topic screening for Morven North and Morven South was undertaken (see Section 2.4).

2.2 Stage 1: Collation of the Cumulative Effects Assessment long list

2.2.1 Overview

2.2.1.1 To ensure a thorough and comprehensive approach to identification of potential plans, projects and activities considered in the CEA, an initial long list of projects within the defined Cumulative Study Areas was collated.

2.2.1.2 Projects, plans and activities within the largest Cumulative Study Area were considered for inclusion in the CEA long list when those projects, plans and activities:

- form part of the Morven Programme (i.e. Morven South, MHPGC Project, and MBAGC Project);
- have become operational since baseline data was collected¹;
- are under construction;
- have consent;
- are the subject of an application for consent that has been submitted but not yet determined;
- have a scoping report submitted, at Preliminary Environmental Information Report (PEIR) stage (in the case of English and Welsh projects), or both;
- are plans and projects which are “reasonably foreseeable” (i.e. developments that are being planned such as in the case of offshore renewable energy developments, projects which have a Crown Estate Scotland (CES) Lease Option Agreement) and for which sufficient information is available in the public domain to enable a meaningful assessment;
- Existing developments for specific topics where there is a large conceptual, temporal and spatial overlap between project impacts¹.

2.2.1.3 The CEA long list was compiled based on the following key assumptions:

- the construction phase of Morven North and/or Morven South was assumed to commence in 2033;
- all licence applications that were in consultation prior to 2021, but where no further development of the application has since taken place were not included in the CEA long list;
- For England and Scotland, any licence or lease that expires before 2029 was not considered, on the basis that 2029 represents a precautionary cutoff date corresponding to the latest point at which no temporal overlap is anticipated prior to the commencement of Morven North and Morven South construction activities in 2033. As such, licences or leases expiring before this

¹ Note that existing developments are included in the CEA long list but are generally screened out of the cumulative assessments, aside from the following exceptions:

- Existing developments which were not present at the time of baseline characterisation, where a potential cumulative impact-receptor pathway has been identified.
- Existing developments are screened into tier 1 assessments for specific topics where there is a large conceptual, temporal and spatial overlap between project impacts. In these instances, the potential for ongoing effects through cumulative impact-receptor pathways throughout project lifetime, across the development phases, means that they are considered within quantitative assessment for these topic CEAs (e.g., offshore ornithology assessments consider the cumulative effects of operational offshore wind farms).

date are not expected to have any potential to result in cumulative effects together with Morven North or Morven South.

- 2.2.1.4 Types of projects, plans and activities which have been considered include aquaculture, cables and pipelines, shipping ports, military and aviation, energy, marine aggregates, oil and gas and coastal projects. Due to the location of Morven North and Morven South, the projects, plans and activities that were included within the CEA long list were primarily marine projects, with the exception of coastal projects up to 100m landward of mean high water, which were included in the CEA long list where appropriate.
- 2.2.1.5 The Morven Programme comprises four distinct components: Morven North, Morven South, the MHPGC Project and the MBAGC Project. The Morven North and Morven South CEAs have considered each component of the Morven Programme, and each distinct component has been included as a separate project within the CEA long list.

2.2.2 Cumulative Study Areas

- 2.2.2.1 A Cumulative Study Area was defined for each of the Morven North and Morven South EIA Report topics, which considers the spatial scales of potential impact pathways and the mobility of the relevant environmental receptors for each topic. The Cumulative Study Area for each topic considered in the Morven North and Morven South EIA Reports is presented in and is further detailed in each topic chapter within the EIA Reports (Volume 2, Chapters 7 to 20, of the Morven North EIA Report and the Morven South EIA Report).
- 2.2.2.2 Collation of the CEA long list involved the identification of projects, plans and activities within the Cumulative Study Areas outlined in Table 2.1, the largest of which was the Offshore Ornithology Cumulative Study Area, extending 1400km from the Morven North and Morven South Boundaries.

Table 2.1: Morven North and Morven South Cumulative Study Area for each Environmental Impact Assessment topic

Topic	Morven North Cumulative Study Area	Morven South Cumulative Study Area
Physical processes	The Morven North Physical Processes Cumulative Study Area was defined as two spring tidal excursions, which equates to up to 28km from the Morven North Boundary.	The Morven South Physical Processes Cumulative Study Area was defined as two spring tidal excursions, which equates to up to 28km from the Morven South Boundary.
Benthic subtidal ecology	Two Morven North Benthic Subtidal Ecology Cumulative Study Areas were identified: - For interactive/synergistic impacts (i.e. increases in suspended sediment concentration and changes in physical processes), the Benthic Subtidal Ecology Cumulative Study Area was defined as the Morven North Physical Processes Cumulative Study Area, which extends to up to 28km from the Morven North Boundary. - For all other impacts, the Morven North Benthic Subtidal Ecology Cumulative Study Area has been defined as between 33km and 191km from the Morven North Boundary, which encompasses the northern North Sea as well as neighbouring consented, developing and planned offshore wind farms and designated sites. This area has been defined within the Scoping Report for the Morven Option Lease Agreement Site (hereafter 'the Morven Site Scoping Report') based on feedback from MD-LOT, NatureScot and other Statutory Nature Conservation Bodies (SNCBs).	Two Morven South Benthic Subtidal Ecology Cumulative Study Areas were identified: - For interactive/synergistic impacts (i.e. increases in suspended sediment concentration and changes in physical processes), the Benthic Subtidal Ecology Cumulative Study Area was defined as the Morven South Physical Processes Cumulative Study Area, which extends to up to 28km from the Morven South Boundary. - For all other impacts, the Morven South Benthic Subtidal Ecology Cumulative Study Area has been defined as between 50km and 191km from the Morven South Boundary, which encompasses the northern North Sea as well as neighbouring consented, developing and planned offshore wind farms and designated sites. This area has been defined within the Morven Site Scoping Report based on feedback from MD-LOT, NatureScot and other SNCBs.
Fish and shellfish ecology	Three Morven North Fish and Shellfish Ecology Cumulative Study Areas were identified: - For impacts associated with underwater sound (such as piling), as the Morven North Fish and Shellfish Ecology Cumulative Study Areas was defined as a 100km buffer around the Morven North Boundary. - For the impact of "increased SSCs and associated deposition" the Morven North Fish and Shellfish Ecology Cumulative Study Area was defined as the Morven North Physical Processes Cumulative Study Area.	Three Morven South Fish and Shellfish Ecology Cumulative Study Areas were identified: - For impacts associated with underwater sound (such as piling), as the Morven South Fish and Shellfish Ecology Cumulative Study Areas was defined as a 100km buffer around the Morven South Boundary. - For the impact of "increased SSCs and associated deposition" the Morven South Fish and Shellfish Ecology Cumulative Study Area was defined as the Morven South Physical Processes Cumulative Study Area.

Topic	Morven North Cumulative Study Area	Morven South Cumulative Study Area
	For all other impacts, the Morven North Fish and Shellfish Ecology Cumulative Study Area, as agreed at Scoping, was defined as a 50km buffer around the Morven North Boundary.	For all other impacts, the Morven South Fish and Shellfish Ecology Cumulative Study Area, as agreed at Scoping, was defined as a 50km buffer around the Morven South Boundary.
Marine mammals	Two Morven North Marine Mammal Cumulative Study Areas were identified: - For underwater sound piling impacts, the Morven North Marine Mammal Cumulative Study Area aligns directly with the Morven North and Morven South Regional Marine Mammal Study Area, as presented in Volume 2, Chapter 10: Marine Mammals. The northern boundary coincides with the northern limit of the North Sea, and the southern boundary is located approximately 250km south of the Morven South Boundary, extending east from Flamborough Head (Yorkshire) to the German North Sea coast. The eastern extent reaches the Norwegian and Swedish coasts and is delineated by the southern limit of the Skaggeak. - For all other impacts, which are considered to be more localised compared to piling, the Morven North Cumulative Study Area was defined as a 50km buffer around the Morven North Boundary.	Two Morven South Marine Mammal Cumulative Study Areas were identified: - For underwater sound piling impacts, the Morven South Marine Mammal Cumulative Study Area aligns directly with the Morven North and Morven South Regional Marine Mammal Study Area, as presented in Volume 2, Chapter 10: Marine Mammals. The northern boundary coincides with the northern limit of the North Sea, and the southern boundary is located approximately 250km south of the Morven South Boundary, extending east from Flamborough Head (Yorkshire) to the German North Sea coast. The eastern extent reaches the Norwegian and Swedish coasts and is delineated by the southern limit of the Skaggeak. - For all other impacts which are considered to be more localised compared to piling, the Morven South Cumulative Study Area was defined as a 50km buffer around the Morven South Boundary.
Offshore ornithology	The Morven North Offshore Ornithology Cumulative Study Area was defined as the area corresponding with the largest Biologically Defined Minimum Population Scales (BDMPS) area for those offshore ornithological receptors identified as Valued Ornithological Receptors in Volume 3, Annex 11.1: Offshore Ornithology Baseline Characterisation Report, as defined in Furness (2015). This was identified as 1,400km (straight line distance) from the nearest Morven North Boundary and Morven South Boundary. The Morven North Offshore Ornithology Cumulative Study Area therefore includes the North Sea, incorporating everything east of Thurso, Scotland and the English Channel west to Falmouth, Cornwall.	The Morven South Offshore Ornithology Cumulative Study Area was defined as the area corresponding with the largest BDMPS area for those offshore ornithological receptors identified as Valued Ornithological Receptors in Volume 3, Annex 11.1: Offshore Ornithology Baseline Characterisation Report, as defined in Furness (2015). This was identified as 1,400km (straight line distance) from the nearest Morven North Boundary and Morven South Boundary. The Morven South Offshore Ornithology Cumulative Study Area therefore includes the North Sea, incorporating everything east of Thurso, Scotland and the English Channel west to Falmouth, Cornwall.

Topic	Morven North Cumulative Study Area	Morven South Cumulative Study Area
Marine archaeology	The Morven North Marine Archaeology Cumulative Study Area is equivalent to the combined extent of the Morven North Marine Archaeology Study Area and Morven South Marine Archaeology Study Area. This is defined as the Morven North Boundary and Morven South Boundary plus a buffer extending 2km.	The Morven South Marine Archaeology Cumulative Study Area is equivalent to the combined extent of the Morven North Marine Archaeology Study Area and Morven South Marine Archaeology Study Area. This is defined as the Morven North Boundary and Morven South Boundary plus a buffer extending 2km.
Commercial fisheries	The Morven North Cumulative Commercial Fisheries Study Area has been defined as the North Sea (inclusive of the North, Central and South North Sea, which is considered to be representative of the fishing grounds exploited by the fleets active across the Morven North Local and Regional Commercial Fisheries Study Areas, for all fleets except scallop dredging. For scallop dredging the Cumulative Study Area is defined at a UK level.	The Morven South Cumulative Commercial Fisheries Study Area has been defined as the North Sea (inclusive of the North, Central and South North Sea, which is considered to be representative of the fishing grounds exploited by the fleets active across the Morven South Local and Regional Commercial Fisheries Study Areas, for all fleets except scallop dredging. For scallop dredging the Cumulative Study Area is defined at a UK level.
Aviation (military and civil)	Two Morven North Aviation (Military and Civil) Cumulative Study Areas were identified: - For the consideration of cumulative effects from the creation of multiple obstacles, the Morven North Aviation (Military and Civil) Cumulative Study Area was defined as the area within 40km of the Morven North Boundary. - For the consideration of potential aviation radar impacts, the Morven North Aviation (Military and Civil) Cumulative Study Area was defined as the area within 100km radius of the Morven North Boundary.	Two Morven South Aviation (Military and Civil) Cumulative Study Areas were identified: - For the consideration of cumulative effects from the creation of multiple obstacles, the Morven South Aviation (Military and Civil) Cumulative Study Area was defined as the area within 40km of the Morven South Boundary. - For the consideration of potential aviation radar impacts, the Morven South Aviation (Military and Civil) Cumulative Study Area was defined as the area within 100km of the Morven South Boundary.
Shipping and navigation	The Morven North Shipping and Navigation Cumulative Study Area was defined as a 50 nautical mile (nm) buffer of the Morven North Boundary and Morven South Boundary, on the basis that there is not considered to be a direct pathway between Morven North, Morven South and any other projects, plans or activities beyond this.	The Morven South Shipping and Navigation cumulative study area was defined as a 50nm buffer of the Morven North Boundary and Morven South Boundary on the basis that there is not considered to be a direct pathway between Morven North, Morven South and any other projects, plans or activities beyond this.
Human health	The approach to human health cumulative effects assessment does not require a spatial Cumulative Study Area extent to be determined, as the assessment extends for each determinant of health. For each determinant of health, the relevant reasonably foreseeable cumulative projects are listed and a professional judgement is made as to the combined level of effect and its	

Topic	Morven North Cumulative Study Area	Morven South Cumulative Study Area
	implications for public health. For each of the determinants in the project alone assessment, the CEA considers the potential for pathways to the same population from other large-scale developments that are similar in location and timing.	
Climate change	All developments that emit, avoid or sequester greenhouse gases (GHGs) have the potential to impact the atmospheric mass of GHGs as a receptor, and so may have a cumulative impact on climate change. Consequently, cumulative effects due to other specific local development projects were not individually considered for the climate change assessment.	
Other sea users, marine infrastructure and communications	The Morven North Other Sea Users, Marine infrastructure and Communications Cumulative Study Area was defined as 50km from the Morven North Boundary and Morven South Boundary. This range represents a precautionary maximum distance at which effects from increased SSCs could occur for other sea users, marine infrastructure and communications receptors.	The Morven South Other Sea Users, Marine infrastructure and Communications Cumulative Study Area was defined as 50km from the Morven North Boundary and Morven South Boundary. This range represents a precautionary maximum distance at which effects from increased SSCs could occur for Other Sea Users, Marine infrastructure and Communications receptors.
Socio-economics	For economic and social impacts, the CEA will consider potential positive impacts associated with the offshore wind sector achieving critical mass and issues such as the potential competition for resources (for example, port infrastructure and labour). The Morven North and Morven South Socio-economic Cumulative Study Areas are therefore the Scottish and UK economies as a whole (consistent with the areas discussed within Volume 3, Annex 17.1: Socio-Economics Shared Economics Technical Report). In addition, they will consider the potential positive demographic impacts from additional projects being located at construction and O&M ports. The Morven North and Morven South Socio-economic Cumulative Study Areas will be the same as the Local Socio-economic Study Areas discussed within Volume 3, Annex 17.1: Socio-Economics Shared Economics Technical Report).	
Major accidents and disasters	The major accidents and disasters assessment draws from other topic assessments and does not undertake its own separate cumulative assessment. Therefore, the topic is not included as part of the CEA screening exercise.	

2.2.3 Data sources

2.2.3.1 Projects, plans and activities in the vicinity of Morven North and Morven South for inclusion in the CEA long list were identified through a desktop study of the following data sources:

- Marine Scotland (www.marine.gov.scot);
- Marine Scotland National Marine Plan (interactive) (<https://marinescotland.atkinsgeospatial.com/nmpi/>);
- CES (www.crownstatescotland.com);
- The Crown Estate (TCE) (www.thecrownestate.co.uk);
- European Marine Observation and Data Network (EMODnet) data (www.emodnet.ec.europa.eu);
- Ports and Harbours UK (www.ports.org.uk);
- Marine Management Organisation: Marine Information System (www.defra.maps.arcgis.com);
- North Sea Transition Authority website (www.nstauthority.co.uk);
- NATS (www.nats.aero);
- Planning Inspectorate National Infrastructure Planning (www.infrastructure.planninginspectorate.gov.uk);
- Oceanwise (www.oceanwise.eu);
- Developers and project proponent websites.

2.3 Stage 2: Refining the Cumulative Effects Assessment long list

2.3.1.1 Scottish EIA guidance states that a number of factors such as the “nature, size, or location” of a development influence the potential for cumulative effects (Scottish Government, 2017). Refinement of the CEA long list was undertaken by allocating projects, plans and activities to the following categories:

- Aquaculture (Appendix A)
- Cables and pipelines (Appendix A);
- Shipping ports (Appendix A);
- Military and aviation (Appendix A);
- Energy (Appendix B);
- Marine aggregates (Appendix C);
- Oil and gas (Appendix C);
- Coastal (Appendix C).

2.3.1.2 The locations and distances from Morven North and Morven South were also recorded, alongside a summary of the publicly available project descriptions and indicative programmes.

2.3.1.3 Information was gathered using data available within the public domain, such as planning databases and internet searches to determine the project, plan or activity status, their intended activities and the schedule for each. Where EIA Reports, Habitat Regulations Appraisal (HRA) Reports or licence applications were available, these were identified for topic specialists to consider during screening (see Stage 3, Section 2.4).

2.4 Stage 3: Screening

2.4.1 Overview

2.4.1.1 Screening (Stage 3) involved screening the projects, plans and activities in the CEA long list for the Cumulative Study Area identified for each topic (as listed in Table 2.1) Each topic specialist then further screened the list of projects either into or out of their topic’s CEA on the basis of the defined screening criteria in Table 2.2. These criteria are repeated at the start of each screening matrix in Appendix A below.

Table 2.2: Topic Cumulative Effects Assessment screening criteria.

Screened in or out	Screening code	Criteria
Screened out	a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment.
	d	No conceptual effect-receptor pathway.
	e	Low data confidence or availability.
	f	No physical effect-receptor overlap.
	g	No temporal overlap.
	h	Project has been withdrawn from development or operation.
Screened in	b ¹	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative effects assessment.
	c	Potential cumulative effect exists (must have a conceptual receptor impact pathway and must have a physical overlap or a temporal overlap).

2.4.1.2 Through the screening stage, a list of all projects, plans and activities screened into assessment is produced specific to each topic (although several plans, projects and/or activities will be relevant to multiple topics). Appendix A to Appendix C presents the screening codes for all projects in the long list for each topic. Each topic chapter CEA (Volume 2, Chapters 7 to 20, of the Morven North EIA Report and the Morven South EIA Report) presents and assessment of all projects, plans and activities which have been screened in for that topic.

2.4.2 Data confidence assessment

2.4.2.1 The level of publicly available data for each project, plan and activity will be different and dependent on its development stage. It is not possible to undertake a meaningful CEA where there is insufficient information available in the public domain. This approach is supported by the Renewable UK Cumulative Impact Assessment Guidelines, which set out that developers will consider projects, plans and activities that have sufficient information available in order to undertake the assessment (Section 7 of Renewable UK, 2013). Renewable UK (2013) goes on to state the rationale for this as "For an assessment to be meaningful it has to be based on evidence" and "the focus of the assessment will therefore be on those projects or activities for which sufficient relevant information exists" (Renewable UK, 2013).

2.4.2.2 A data confidence assessment has been assigned to each project, plan and activity in the CEA long list and is presented in each cumulative effects screening matrix in Appendix A to Appendix C. The data confidence categories and definitions are as follows:

- High: Data has been obtained from the developer's website or a consenting authority's portal.
- Medium: Data has been obtained from the public domain but not from the developer's website or a consenting authority's portal.
- Low: There is a lack of robust data and information in the public domain which is outside the Applicant's control.

2.4.2.3 Screening of projects, plans and activities into or out of each topic CEA has taken into account the data confidence, depending on the availability of data relevant for the specific topic. Any projects, plans or activities with high or medium data confidence have been screened into the CEA, while any with low confidence have been screened out.

2.4.3 Conceptual overlap

2.4.3.1 A conceptual overlap occurs when there is a credible impact receptor pathway, where a cumulative impact has the potential to directly or indirectly affect a receptor. A conceptual overlap is identified, for example, when installation of a new cable (activity) could cause increased suspended sediment

concentrations (impact) which could cause smothering (effect) to the benthic ecology of the area (receptor). Alternatively, in cases where a conceptual overlap cannot be demonstrated (e.g. there is no impact receptor pathway), projects, plans and activities were screened out for the relevant topic at this stage.

2.4.4 Physical overlap

- 2.4.4.1 A cumulative effect may arise when the physical extent of the impact from projects, plans, or activities overlap with the physical extent of the impact from Morven North or Morven South. A physical overlap is identified, for example, when installation of a new cable (activity) could cause increased suspended sediment concentrations (impact) in the same location as the increased suspended sediment concentrations from Morven North or Morven South, which could cause smothering (effect) to the same benthic ecology features of the area (receptor).
- 2.4.4.2 The locations of other projects, plans and activities, and their distance from Morven North and Morven South were recorded in the CEA long list. Relevant documents in the public domain were also used to understand the physical extent of impacts from other projects, plans and activities. These details were used by technical specialists to identify a physical overlap in the CEA screening on a topic-specific basis.

2.4.5 Temporal overlap

- 2.4.5.1 A cumulative effect arises when the temporal extent of the impact from projects, plans, or activities overlap with the temporal extent of a potential impact from Morven North or Morven South. A temporal overlap is identified, for example, when installation of a new cable (activity) could cause increased suspended sediment concentrations (impact) at the same time as the increased suspended sediment concentrations from Morven North or Morven South, which could cause simultaneous smothering (effect) to benthic ecology features of the area (receptor).
- 2.4.5.2 Some impacts are only relevant to specific phases of the project (e.g. underwater noise from piling occurs only during construction). The dates of construction, O&M and decommissioning phases for projects, plans, and activities have been outlined in the CEA long list based on relevant documents in the public domain, such as scoping and EIA Reports. These periods were used by technical specialists to identify potential temporal overlap with Morven North and Morven South for CEA screening. The absence of a strict overlap however may not necessarily preclude a cumulative effect, as receptors may become further affected by projects, plans and activities which do not have a direct temporal overlap but occur directly before or after Morven North and Morven South project phases. This has been considered for each topic, with projects being screened in for cumulative assessment if required.
- 2.4.5.3 All projects, plans and activities which are built or operational at the time of Morven North and Morven South baseline characterisation for the EIA and HRA have been screened out. This is because the impact and effects of these projects, plans and activities have been accounted for within the baseline environment. The exception to this is where projects have an ongoing operational impact and therefore this ongoing impact has temporal overlap with Morven North and Morven South so needs to be accounted for in the CEA.

2.5 Tiered approach

- 2.5.1.1 Following screening, a tiered approach has been adopted for undertaking the CEA. This approach provides a framework for placing relative weight on the potential for each project, plan or activity to be included in the CEA to ultimately be realised, based upon the project, plan or activity's current stage of maturity and certainty in the project's parameters.
- 2.5.1.2 All projects, plans and activities included in the CEA long list have been allocated into one of the three Tiers, as described in Table 2.3. Where projects, plans and activities have been screened into a topic assessment, they are considered under that Tier. The Shipping and Navigation assessment has applied different Tier definitions, and details of this are presented within Volume 2, Chapter 13: Shipping and Navigation.

- 2.5.1.3 The tiered approach is broadly consistent with the Planning Inspectorate Nationally Significant Infrastructure Projects: Advice on Cumulative Effects Assessment (Planning Inspectorate, 2025) and aligns with the Renewable UK Cumulative Impact Assessment Guidelines, specifically Guiding Principle 4 and Guiding Principle 7 (Renewable UK, 2013). The allocation of each project, plan and activity into tiers is not affected by the screening process but is merely a categorisation applied to all projects, plans and activities that have been screened for assessment.

Table 2.3: Overview of tiered approach for Cumulative Effects Assessment

Tier	Detail
Tier 1	Existing developments either built (operational) or under construction ¹ ; approved developments awaiting implementation; and permitted/submitted application(s) but not yet determined. Morven South is also considered a Tier 1 project, subject to screening in topic-specific CEA.
Tier 2	All projects, plans and activities assessed under Tier 1, and projects, plans and activities where a scoping report has been submitted and is in the public domain. The MHPGC Project is also considered a Tier 2 project, subject to screening in topic-specific CEA.
Tier 3	All projects, plans and activities assessed under Tier 1 and 2, plus projects, plans and activities that are reasonably foreseeable (e.g., projects identified in development plans, projects in other plans and programmes, offshore renewable energy projects that have a CES Lease Option Agreement) and for which sufficient information is available in the public domain to enable a meaningful assessment. The MBAGC Project is also considered a Tier 3 project, subject to screening in topic-specific CEA.

- 2.5.1.4 The Morven North and Morven South CEA long list is presented in Appendix A to Appendix C. This includes the CEA long list with temporal information (temporal overlap with Morven North and Morven South) and spatial overlap (distance from Morven North and Morven South with the topic-specific screening).

3 References

Furness, R.W. (2015). Non-breeding season populations of seabirds in UK waters: Population sizes for Biologically Defined Minimum Population Scales (BDMPS). Natural England Commissioned Reports, Number 164.

Morven Offshore Wind Ltd (2023). Morven Offshore Wind Area Scoping Report (July 2023). Available at: [morven_-_scop-0028_-_scoping_opinion_-_november_2023.pdf](#) (Accessed: June 2025).

NatureScot (2023) Guidance to support Offshore Wind Applications – Marine Ornithology Impact Pathways for Offshore Wind Developments. Available at: <https://www.nature.scot/doc/guidance-note-6-guidance-support-offshore-wind-applications-marine-ornithology-impact-pathways> (Accessed: June 2025)

The Planning Inspectorate (2025). Nationally Significant Infrastructure Projects: Advice on Cumulative Effects Assessment | National Infrastructure Planning. Available at <https://www.gov.uk/guidance/nationally-significant-infrastructure-projects-advice-on-cumulative-effects-assessment> (Accessed: July 2025).

Renewables UK (2013) Cumulative Impact Assessment Guidelines Guiding Principles For Cumulative Impacts (June 2013). (<https://tethys.pnnl.gov/sites/default/files/publications/Cumulative-Impact-Assessment-Guidelines.pdf>) (Accessed: June 2025)

Scottish Government (2017). Guidance on The Town and Country Planning (Environmental Impact Assessment) (Scotland) Regulations 2017. Planning Circular 1/2017: Environmental Impact Assessment regulations. Published 16 May 2017. Available at: <https://www.gov.scot/publications/planning-circular-1-2017-environmental-impact-assessment-regulations-2017/> (Accessed: June 2025).

Scottish Government (2018). Marine Scotland Directorate. Offshore wind, wave and tidal energy applications: consenting and licensing manual. Available at: <https://www.gov.scot/publications/marine-scotland-consenting-licensing-manual-offshore-wind-wave-tidal-energy-applications/> (Accessed: June 2025).

Scottish Government (2023). National Marine Plan 2. <https://www.gov.scot/publications/national-marine-plan-2-strategic-environmental-assessment-scoping-report/> (Accessed: June 2025).

Appendix A Cumulative effects screening matrix

A.1 Cumulative effects matrix – Aquaculture temporal

The Aquaculture projects, plans and activities are shown in Apx Figure 1

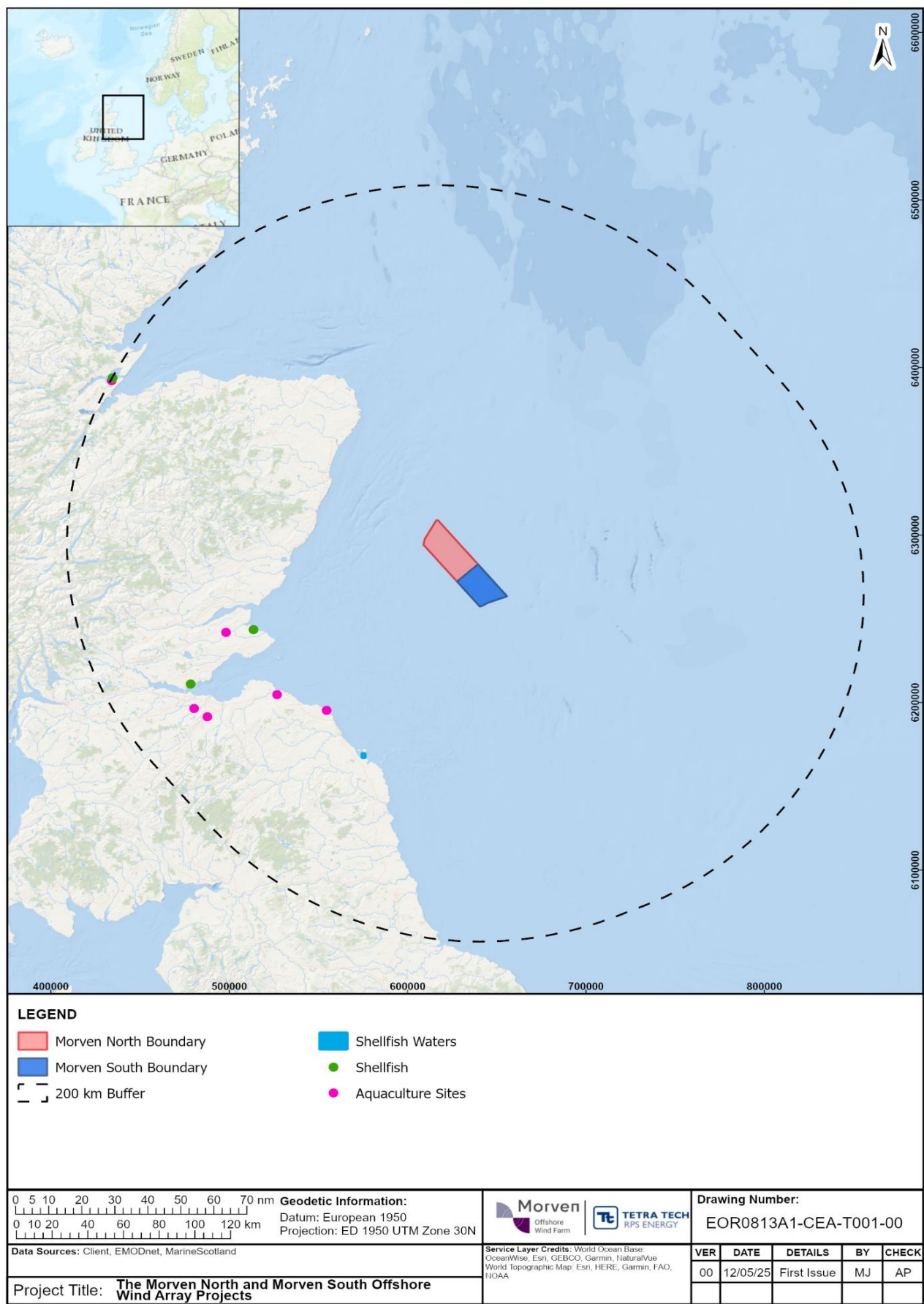
Appendix A: Aquaculture - Temporal

Key	Project Status
	Consenting/Pre-Construction
	Construction
	Operation and Maintenance
	Decommissioning
	Non-operational

Note - where an end date is not given in the licence, then a duration of 15 years has been assumed based on previous licences.

Aquaculture: Temporal
Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).

Project	Information in the Public Domain	Data Confidence Assessment	Capacity/ scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
United Kingdom - Shellfish sites within 200km of Morven North and Morven South																									
Tier 1																									
The Aquaponics Garden	Marine Scotland Open Data	Medium	Fish	Operational																					
Belton Ford	Marine Scotland Open Data	Medium	Fish	Operational																					
St Abbs Marine Station (Finfish)	Marine Scotland Open Data	Medium	Fish	Operational																					
Udale Bay (Cromarty Bay)	Marine Scotland Open Data	Medium	Shellfish	Operational																					
Aquanzo Lab	Marine Scotland Open Data	Medium	Shellfish	Operational																					
Holy Island	Marine Scotland Open Data	Medium	Shellfish	Operational																					
Cromarty Mussels	Marine Scotland Open Data	Medium	Shellfish	Operational																					
Todd Fisheries TechInactivelogy	Marine Scotland Open Data	Medium	Shellfish	Operational																					
Decommissioned projects																									
Cromarty Bay West	Marine Scotland Open Data	Medium	Shellfish	Non-operational																					
Scottish Oceans Institute	Marine Scotland Open Data	Medium	Fish	Non-operational																					
Great British Aquatech Ltd	EMODnet	Medium	Shellfish	Non-operational																					
Roslin Institute Hatchery	Marine Scotland Open Data	Medium	Fish	Non-operational																					



Apx Figure 1: Aquaculture projects, plans and activities within 200km of Morven North and Morven South

A.2 Cumulative effects matrix – Aquaculture spatial and screening

Appendix A: Aquaculture - Spatial and Screening

Key	Stage 3 screening criteria
a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment. Screened out of
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact assessment: Screened in to assessment.
c	Potential cumulative impact exists: Screened in to assessment.
d	No conceptual effect-receptor pathway: Screened out of assessment.
e	Low data confidence or availability: Screened out of assessment.
f	No physical effect-receptor overlap: Screened out of assessment.
g	No temporal overlap: Screened out of assessment.
h	Project has been withdrawn from development or operation: Screened out of assessment.

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
United Kingdom - Shellfish sites within 200km of Morven North and Morven South																													
Tier 1						North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South
The Aquaponics Garden	https://marine.gov.scot/maps/1586	122	133	Operational	Medium	f	f	a	a	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Belton Ford	https://marine.gov.scot/maps/1586	120	121	Operational	Medium	f	f	a	a	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
St Abbs Marine Station (Finfish)	http://aquaculture.scotland.gov.uk/data/site_details_record.aspx?site_id=FS1265	106	106	Operational	Medium	f	f	a	a	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Udale Bay (Cromarty Bay)	http://aquaculture.scotland.gov.uk/data/site_details_record.aspx?site_id=SS0147	200	228	Operational	Medium	f	f	a	a	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Aquanzo Lab	http://aquaculture.scotland.gov.uk/data/site_details_record.aspx?site_id=SS0963	161	166	Operational	Medium	f	f	a	a	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Holy Island	https://marine.gov.scot/maps/1586	115	109	Operational	Medium	f	f	a	a	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Cromarty Mussels	Scotland's Aquaculture Site Details	200	228	Operational	Medium	f	f	a	a	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Todd Fisheries Technactivelogy	https://marine.gov.scot/maps/1586	155	161	Operational	Medium	f	f	a	a	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Decommissioned projects																													
Cromarty Bay West	http://aquaculture.scotland.gov.uk/data/site_details_record.aspx?site_id=SS0830	199	228	Non-operational	Medium	f	f	a	a	f	f	g	g	h	h	d	d	d	d	f	f	d	d	f	f	d	d	d	d
Scottish Oceans Institute	http://aquaculture.scotland.gov.uk/data/site_details_record.aspx?site_id=FS1346	108	118	Non-operational	Medium	f	f	a	a	f	f	g	g	h	h	d	d	d	d	f	f	d	d	f	f	d	d	d	d
Great British Aquatech Ltd	GREAT BRITISH AQUATECH LIMITED overview - Find and update company information - GOV.UK	108	118	Non-operational	Medium	f	f	a	a	f	f	g	g	h	h	d	d	d	d	f	f	d	d	f	f	d	d	d	d
Roslin Institute Hatchery	https://marine.gov.scot/maps/1586	159	162	Non-operational	Medium	f	f	a	a	f	f	g	g	h	h	d	d	d	d	f	f	d	d	f	f	d	d	d	d

A.3 Cumulative effects matrix – Cables and pipelines temporal

The cables and pipelines projects, plans and activities are shown in Apx Figure 2.

Appendix A: Cables and Pipelines - Temporal

Key	Project Status
	Consenting/Pre-Construction
	Construction / Recommission
	Operation and Maintenance
	Decommissioning
	Project has been withdrawn from development or operation

Note - Where no specific lifespan or decommissioning plan is stated for a cable, 15 years further life is assumed.
Note - Where projects have pre-approval and have no known operation schedule, no construction window is indicated

					Cables and Pipelines: Temporal																				
					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South if the projects are to be built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Capacity / scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
United Kingdom - Pipelines within 200km of Morven North and Morven South																									
Tier 1																									
20" Gas Fulmar A - St. Fergus	NSTA	High	Gas pipeline from Fulmar A to St Fergus gar processing plant	Decommissioning																					
36" Gas Brent A - St. Fergus (Flags)	NSTA	High	Gas pipeline from Brent A to St Fergus gas processing plant.	Decommissioning																					
Britannia To St Fergus	NSTA	High	Gas pipeline from Britannia to St Fergus gas processing plant	Operational																					
Burgman Bundle	NSTA	High	Oil pipeline from Burgman Bundle	Operational																					
Buzzard (P) To Forties Hot Tap	NSTA	High	Oil pipeline from Buzzard field to the Forties pipeline	Operational																					
Catcher Bundle	NSTA	High	Oil pipeline from Catcher Bundle	Operational																					
Catcher Gas Export Pipeline	NSTA	High	Gas pipeline from catcher	Operational																					
Cats Pipeline	NSTA	High	396km gas export pipeline from central north sea to CATS terminal in Teesside	Operational																					

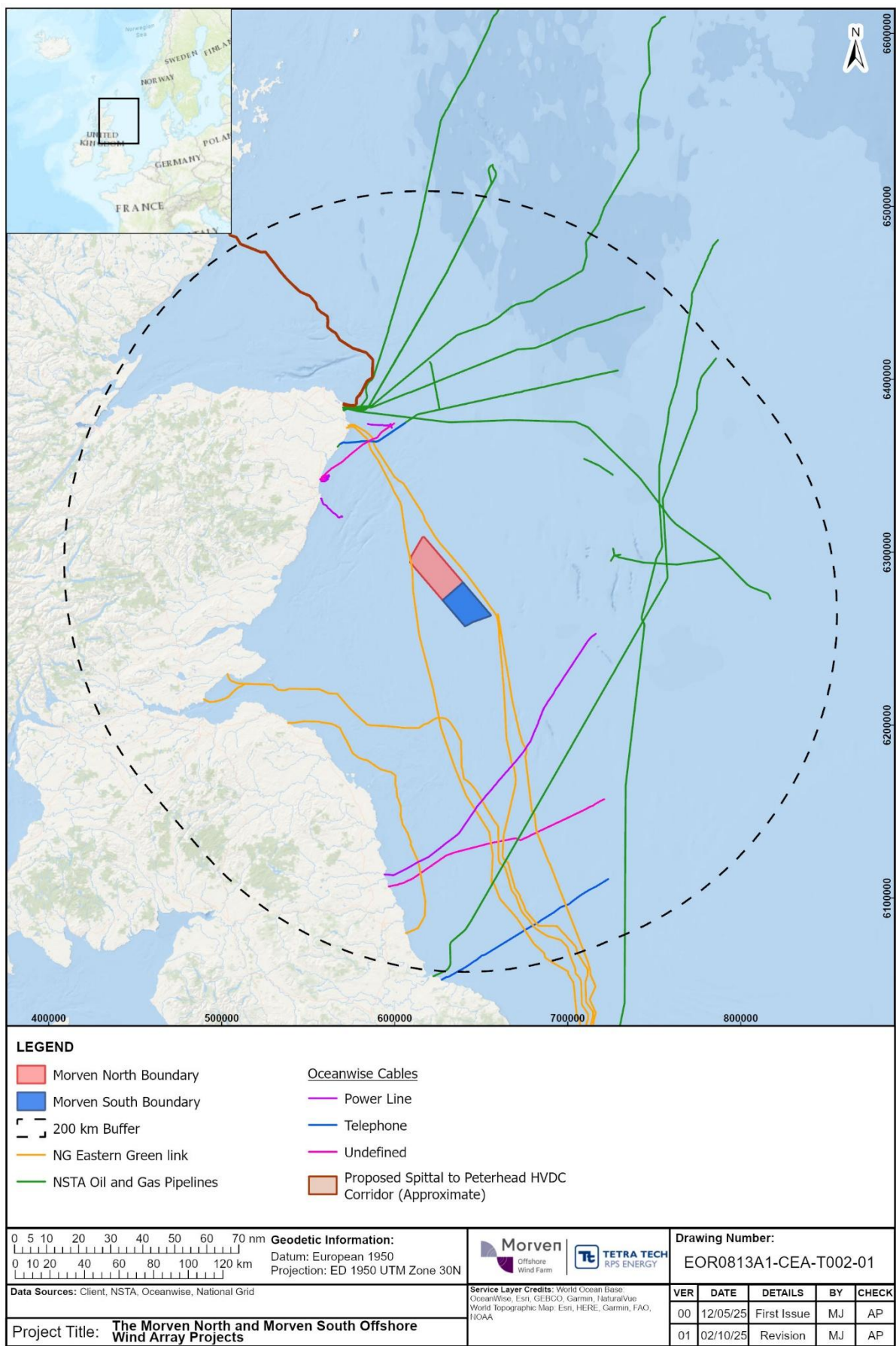
Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South if the projects are to be built sequentially).

Project	Information in the Public Domain	Data Confidence Assessment	Capacity / scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
Forties C To Cruden Bay (PI721)	NSTA	High	169km oil pipeline from the forties C platform to Cruden bay	Operational																					
Hfc To St. Fergus South	NSTA	High	361km gas pipeline from Heider Riser platform to St Fergus	Operational																					
Langeled Pipeline	NSTA	High	628km gas pipeline starting from More og Romsdal (Norway) to the North Sea	Operational																					
Pict Gas Lift Flowline Dc6 To Dc7	NSTA	High	18.9km gas pipeline from DC6 to DC7 of the Pict development	Operational																					
Pict Production Flowline Dc7 To Dc5	NSTA	High	11.4km hydroelectric cable between DC7 and DC5 of the Pict development	Operational																					
Pict Tree Ga Gas Lift Jumper	NSTA	High	Gas lift jumper	Operational																					
Pict Tree Ga Production Jumper	NSTA	High	Gas lift jumper	Operational																					
Pict Tree Gb Gas Lift Jumper	NSTA	High	Gas lift jumper	Operational																					
Pict Tree Gb Production Jumper	NSTA	High	Gas lift jumper	Operational																					
Pict Tree Gc Gas Lift Jumper	NSTA	High	Gas lift jumper	Operational																					
Pict Tree Gc Production Jumper	NSTA	High	Gas lift jumper	Operational																					
PI774 - Everest To Teesside	NSTA	High	36 inch Active GAS pipeline owned by Independent Oil & Gas	Construction / Recommission																					
Sage Pipeline	NSTA	High	323km gas pipeline connecting Beryl and SAGE pipelines to the SAGE terminal at ST Fergus	Operational																					
Varadero Bundle	NSTA	High	Oil pipeline from Varadero bundle	Operational																					
United Kingdom - Cables within 200 km of Morven North and Morven South																									
Tier 1																									

Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South if the projects are to be built sequentially).

Project	Information in the Public Domain	Data Confidence Assessment	Capacity / scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
Altibox	Oceanwise / Kis-Orca	High		Operational																					
CNS FIBRE OPTIC	NSTA	High	fibre optic cable connecting Aberdeen, Cruden Bay, Forties and Everest with the Ula platform	Operational																					
Eastern Green Link 1	Marine Scotland	High	176 km cable with a capacity of 2 GW	Construction / Recommission																					
Eastern Green Link 2	Marine Scotland	High	515 km cable with a capacity of 2 GW	Construction / Recommission																					
North Sea Link	Oceanwise / Kis-Orca	High	720 km cable with a capacity of 1400 MW	Operational																					
Undefined Cable	NSTA	Low	N/A	Operational																					
Undefined Cable	NSTA	Low	N/A	Operational																					
Undefined Cable	NSTA	Low	N/A	Operational																					
Unnamed Power Line	NSTA	Low	N/A	Operational																					
Unnamed Power Line	NSTA	Low	N/A	Operational																					
Unnamed Power Line	NSTA	Low	N/A	Operational																					
Unnamed Power Line	NSTA	Low	N/A	Operational																					
Spittal to Peterhead HVDC link	SSEN	High	2GW bi-pole 525kV HVDC link	Application submitted/Awaiting decision																					
Tier 2																									
Eastern Green Link 3	NSTA	High	2GW HVDC link between Fife and King's Lynn	Consenting/Pre-Construction																					

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South if the projects are to be built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Capacity / scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
Eastern Green Link 4	Marine Scotland	High	2GW HVDC link between Fife and King's Lynn	Consenting/Pre-Construction																					
Eastern Green Link 5	National Grid	High	Scotland to England Green Link 5. Up to 555km in length	Consenting/Pre-Construction																					
E4L6	National Grid	Low	Minimal information available	Consenting/Pre-Construction																					
Decommissioned																									
PANGEA NORTH UK/DMK	Oceanwise / Kis-Orca	High	685 km cable	Non-operational																					
32 IN MCP01 BYPASS BUNDLE TO ST FERGUS GAS PLANT	NSTA	High	Gas pipeline from Bypass Bundle to St Fergus gas processing plant. Decommissioned	Decommissioned																					



Apx Figure 2: Cables and pipeline projects, plans and activities within 200km of Morven North and Morven South

A.4 Cumulative effects matrix – Cables and pipelines spatial and screening

Appendix A: Cables and Pipelines - Spatial and Screening

Key	Stage 3 screening criteria
a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact assessment: Screened in to assessment.
c	Potential cumulative impact exists: Screened in to assessment.
d	No conceptual effect-receptor pathway: Screened out of assessment.
e	Low data confidence or availability: Screened out of assessment.
f	No physical effect-receptor overlap: Screened out of assessment.
g	No temporal overlap: Screened out of assessment.
h	Project has been withdrawn from development or operation: Screened out of assessment.

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
United Kingdom - Pipelines within 200km of Morven North and Morven South																													
Tier 1						North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South
20" GAS FULMAR A - ST. FERGUS	Fulmar Auk North Decommissioning Programme (publishing.service.gov.uk)	68	93	Decommissioning	High	f	f	c	c	f	f	d	d	a	a	c	c	f	f	f	f	d	d	f	f	d	d	d	d
36" GAS BRENT A - ST. FERGUS (FLAGS)	Access to oil and gas infrastructure ExxonMobil United Kingdom	83	117	Decommissioning	High	f	f	c	c	f	f	d	d	a	a	c	c	f	f	f	f	d	d	f	f	d	d	d	d
BRITANNIA TO ST FERGUS	Conoco and Chevron gas field project - Offshore Technology (offshore-technology.com)	80	114	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
BURGMAN BUNDLE	PremierCatcher.pdf (publishing.service.gov.uk)	86	76	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
BUZZARD (P) TO FORTIES HOT TAP	BP's Forties Pipeline System Wins Buzzard Contract Rigzone	74	101	Operational	High	f	f	c	c	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CATCHER BUNDLE	PremierCatcher.pdf (publishing.service.gov.uk)	89	80	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CATCHER GAS EXPORT PIPELINE	PremierCatcher.pdf (publishing.service.gov.uk)	89	80	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CATS PIPELINE	CATS Pipeline Kellas Midstream	101	78	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FORTIES C TO CRUDEN BAY (PL721)	BP Forties System The Largest Offshore Oil Gathering Network in the World Hydraulic Analysis Limited (hydraulic-analysis.com)	61	95	Operational	High	f	f	c	c	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
HFC TO ST. FERGUS SOUTH	Vesterled by Gassco Pipeline – Subsea Oil and Gas Directory	81	115	Operational	High	f	f	c	c	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
LANGELED PIPELINE	Langeled North (LLN) gas pipeline, Norway (offshore-technology.com)	105	87	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PICT GAS LIFT FLOWLINE DC6 TO DC7	PetroCanadaPict.pdf (publishing.service.gov.uk)	100	100	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PICT PRODUCTION FLOWLINE DC7 TO DC6 SOVS	PetroCanadaPict.pdf (publishing.service.gov.uk)	100	100	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
PICT TREE GA GAS LIFT JUMPER	PetroCanadaPict.pdf (publishing.service.gov.uk)	100	100	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PICT TREE GA PRODUCTION JUMPER	PetroCanadaPict.pdf (publishing.service.gov.uk)	100	100	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PICT TREE GB GAS LIFT JUMPER	PetroCanadaPict.pdf (publishing.service.gov.uk)	100	100	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PICT TREE GB PRODUCTION JUMPER	PetroCanadaPict.pdf (publishing.service.gov.uk)	100	100	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PICT TREE GC GAS LIFT JUMPER	PetroCanadaPict.pdf (publishing.service.gov.uk)	100	100	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PICT TREE GC PRODUCTION JUMPER	PetroCanadaPict.pdf (publishing.service.gov.uk)	100	100	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PI774 - Everest To Teesside	NZT DCO 6.2.5 ES Vol I Chapter 5 Construction Programme and Management	78	78	Construction / Recommission	High	f	f	d	d	f	f	d	d	a	a	c	c	f	f	f	f	d	d	f	f	d	d	d	d
SAGE PIPELINE	SAGE - Ancala	81	115	Operational	High	f	f	c	c	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
VARADERO BUNDLE	PremierCatcher.pdf (publishing.service.gov.uk)	89	79	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
United Kingdom - Cables within 200 km of Morven North and Morven South																													
Tier 1																													
Altibox	Oceanwise Licenced Dataset	143	124	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CNS FIBRE OPTIC	Norway's NSC links North Sea fiber-optic networks Lightwave (lightwaveonline.com)	61	95	Operational	High	f	f	a	a	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Eastern Link 1	Marine Licence Application - SEGL Eastern Link 1 HVDC Cable and Cable Protection - Torness to Hawthorn Pit - 00009880 Marine Scotland Information	94	93	Construction / Recommission	High	f	f	a	a	f	f	d	d	a	a	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Eastern Link 2	Marine Licence Application - SEGL/Eastern Link 2 HVDC Cable and Cable Protection - Peterhead to Drax - 00009943 Marine Scotland Information	0	16	Construction / Recommission	High	c	c	b	b	b	b	d	d	a	a	c	c	c	f	c	f	d	d	b	b	d	d	d	d
North Sea Link	Oceanwise Licenced Dataset	79	55	Operational	High	f	f	d	d	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Undefined Cable	N/A	65	97	Operational	Low	f	f	e	e	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	e	e
Undefined Cable	N/A	66	99	Operational	Low	f	f	e	e	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	e	e
Undefined Cable	N/A	63	97	Operational	Low	f	f	e	e	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	e	e
Unnamed Power Line	N/A	46	75	Operational	Low	f	f	e	e	e	f	d	d	a	a	a	a	f	f	f	f	d	d	e	f	d	d	e	e
Unnamed Power Line	N/A	79	55	Operational	Low	f	f	e	e	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	e	e
Unnamed Power Line	N/A	64	96	Operational	Low	f	f	e	e	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	e	e
Unnamed Power Line	N/A	65	98	Operational	Low	f	f	e	e	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	e	e
Unnamed Power Line	N/A	66	99	Operational	Low	f	f	e	e	f	f	d	d	a	a	a	a	f	f	f	f	d	d	f	f	d	d	e	e
Spittal to Peterhead HVDC link	SSEN Transmission submits Spittal to Peterhead marine cable licence application to help deliver national clean power targets	85	120	Application submitted/Awaiting decision	High	f	f	c	c	f	f	c	c	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Tier 2																													
Eastern Green Link 3	Eastern Green Link 3 and 4 National Grid ET	5	3	Consenting/Pre-Construction	High	c	c	c	c	c	c	c	c	d	d	c	c	c	c	f	c	d	d	c	c	d	d	d	d
Eastern Green Link 4	Eastern Green Link 3 and 4 National Grid ET	68	55	Consenting/Pre-Construction	High	f	f	c	c	f	f	c	c	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Eastern Green Link 5	https://www.nationalgrid.com/document/558996/download	27	4	Consenting/Pre-Construction	High	c	c	c	c	c	c	c	c	d	d	c	c	f	f	f	f	d	d	c	c	d	d	c	c
E4L6	Global Offshore Renewables Map 4C Offshore	79	61	Consenting/Pre-Construction	Low	f	f	e	e	e	e	d	d	d	d	e	e	f	f	e	e	d	d	f	f	d	d	e	e
Decommissioned																													
PANGEA NORTH UK/DMK	Oceanwise Licenced Dataset	188	167	Non-operational	High	f	f	d	d	f	f	d	d	h	h	f	f	f	f	f	f	d	d	f	f	d	d	d	d
32 IN MCP01 BYPASS BUNDLE TO ST FERGUS GAS PLANT	HazardEx - Decommissioning project case study: TOTAL's MCP-01 platform	81	115	Decommissioned	High	f	f	d	d	f	f	d	d	h	h	f	f	f	f	f	f	d	d	f	f	d	d	d	d

A.5 Cumulative effects matrix – Shipping and ports temporal

The Shipping ports projects, plans and activities are shown in Apx Figure 3

Appendix A: Shipping and Ports - Temporal

Key	Project Status
	Consenting/Pre-Construction
	Construction
	Operation and Maintenance
	Decommissioning

					Shipping and Ports: Temporal																				
					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Type of Port	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
United Kingdom - Ports within 200km of Morven North and Morven South																									
Tier 1																									
Aberdeen Harbour Expansion	Ports website (www.ports.org.uk)	High	Harbour Expansion	Operational																					
Aberdeen	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Aberdour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Alnmouth	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Amble	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Anstruther	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Arbroath	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Auchmithie	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Avoch	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Type of Port	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
Balintore	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Banff	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Beadnell	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Berwick-upon-Tweed	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Blackness	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Blyth	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Boddam	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Braefoot Bay	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Broughty Ferry	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Brucehaven	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Buchanhaven	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Buckie	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Burghead	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Burnmouth	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Burntisland	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Cairnbulg	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Carron	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Catterline	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Cellardyke	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Charlestown (Fife)	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Cockenzie	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Collieston	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Type of Port	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
Cove	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Cove Bay	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Crail	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Cramond	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Craster	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Cromarty	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Crombie Pier	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Crovie	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Cullen	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Dalgety Bay	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Dunbar	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Dundee	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																					
Dysart	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Elie	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Eyemouth	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Findhorn	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Findochty	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Fisherrow	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Fortrose	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Fraserburgh	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Gardenstown	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Gourdon	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					

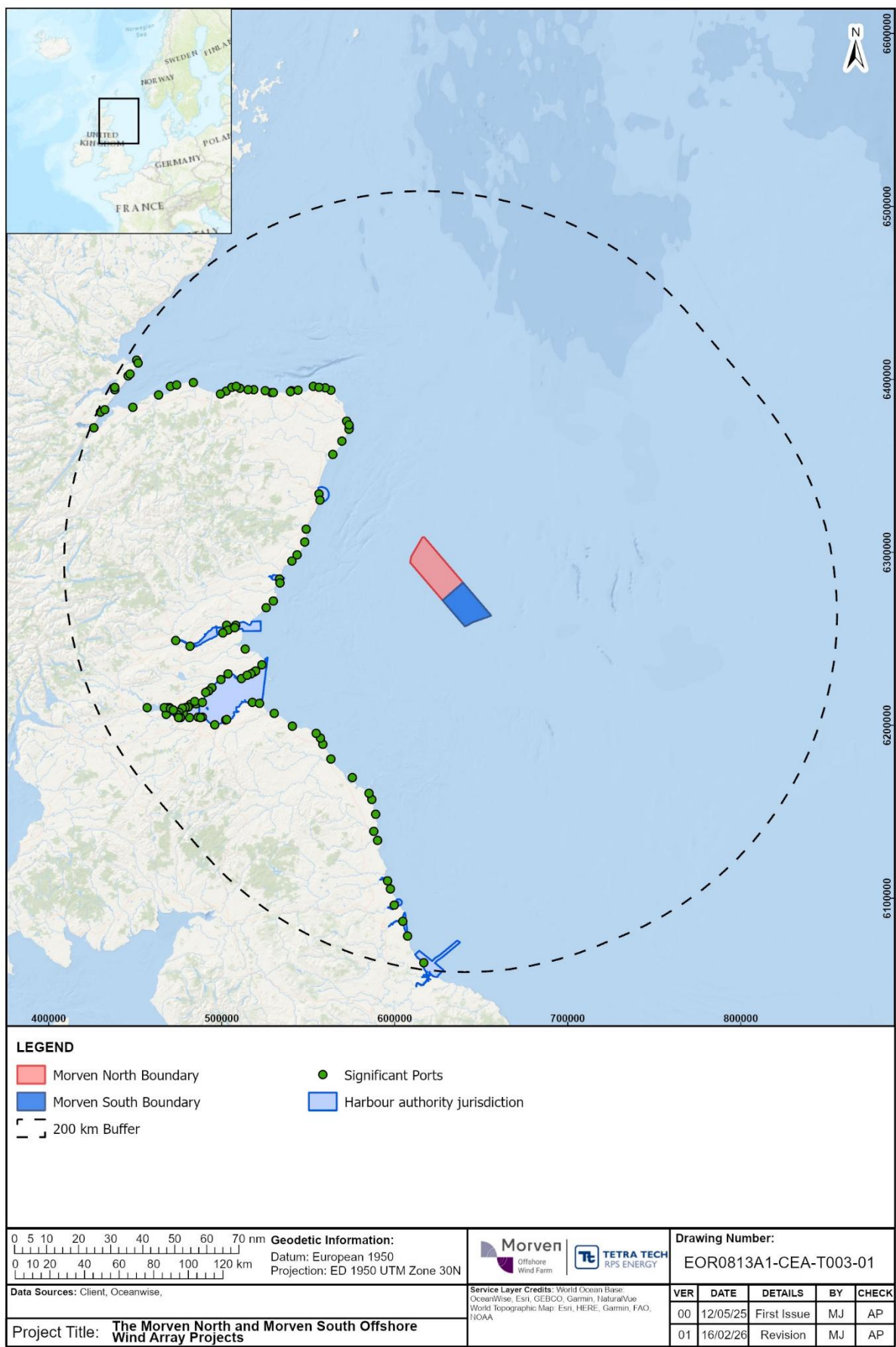
					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																									
Project	Information in the Public Domain	Data Confidence Assessment	Type of Port	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050					
Grangemouth	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Granton	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Hartlepool	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Hawes Pier	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Hilton	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Hopeman	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Hound Point Terminal	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Inverkeithing	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																										
Inverness	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																										
Johnshaven	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Kirkcaldy	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Leith	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																										
Limekilns	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Lindisfarne	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Long Craig	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Lossiemouth	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Lower Largo	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Macduff	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																										
Methil	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Montrose	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Nairn	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										
Newburgh (River Tay)	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																										

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																								
Project	Information in the Public Domain	Data Confidence Assessment	Type of Port	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050				
Newhaven (Scotland)	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Newport-on-Tay	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Nigg	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
North Berwick	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
North Queensferry	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																									
Pennan	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Perth	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																									
Peterhead	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Pettycur	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Pittenweem	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Port Edgar	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Port Erroll	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Port Seton	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Portgordon	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Portknockie	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Portmahomack	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Portsoy	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Rockfield	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Rosehearty	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Rosyth	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																									
Sandend	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Sandhaven	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Type of Port	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
Seacliff	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Seaham	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Seahouses	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Seaton Sluice	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
South Queensferry	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																					
St Abbs	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
St Andrews	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
St Monans	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Stonehaven	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Sunderland	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																					
Tayport	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Tyne	Ports website (www.ports.org.uk)	High	Large Industrial Harbour	Operational																					
Usan	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Warkworth Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
West Wemyss	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Whitehills	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Wormit (Woodhaven)	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Aberdeen Harbour Board	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Anstruther Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Authority of Forth Ports Ltd	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Authority of Forth Ports plc	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					
Blyth Harbour Commission	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																					

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																								
Project	Information in the Public Domain	Data Confidence Assessment	Type of Port	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050				
Cellardyke Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Crail Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Eymouth Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Montrose Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Perth Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Peterhead Bay Harbour	Oceanwise	High	Small Fishing Harbour	Operational																									
Peterhead Port Authority	Oceanwise	High	Small Fishing Harbour	Operational																									
Pettycur Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Pittenweem Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Port Babcock Rosyth	Oceanwise	High	Small Fishing Harbour	Operational																									
Port of Dundee	Oceanwise	High	Large Industrial Harbour	Operational																									
Port of Sunderland Authority	Oceanwise	High	Large Industrial Harbour	Operational																									
Port of Tyne	Oceanwise	High	Large Industrial Harbour	Operational																									
Port of Tyne Authority	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Seaham Port	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
St. Monans Harbour	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Sunderland	Ports website (www.ports.org.uk)	High	Small Fishing Harbour	Operational																									
Tees and Hartlepool Port Authority	Oceanwise	High	Large Industrial Harbour	Operational																									
Arbroath - Pontoon	Marine Scotland	High	Pontoon Expansion	Operational																									
Eymouth - Pontoon	Marine Scotland	High	Pontoon Expansion	Operational																									
Findochty - Pontoon	Marine Scotland	High	Pontoon Expansion	Operational																									

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Type of Port	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
Fraserburgh - Pontoon	Marine Scotland	High	Pontoon Expansion	Operational																					
Montrose - Pontoon	Marine Scotland	High	Pontoon Expansion	Operational																					
North Queensferry - Pontoon	Marine Scotland	High	Pontoon Expansion	Operational																					
Port Edgar - Pontoon	Marine Scotland	High	Pontoon Expansion	Operational																					



Apx Figure 3: Shipping ports projects, plans and activities within 200km of Morven North and Morven South

A.6 Cumulative effects matrix – Shipping and ports spatial and screening

Appendix A: Shipping and Ports - Spatial and Screening

Key	Stage 3 screening criteria
a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact
c	Potential cumulative impact exists: Screened in to assessment.
d	No conceptual effect-receptor pathway: Screened out of assessment.
e	Low data confidence or availability: Screened out of assessment.
f	No physical effect-receptor overlap: Screened out of assessment.
g	No temporal overlap: Screened out of assessment.
h	Project has been withdrawn from development or operation: Screened out of assessment.

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes	Benthic Subtidal Ecology	Fish & Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Aviation (Military and Civil)	Other Sea Users	Socio-economics	Human Health
United Kingdom - Ports within 200km of Morven North and Morven South																	
Tier 1						North	South	North	South	North	South	North	South	North	South	North	South
Aberdeen Harbour Expansion	ahb-rep1-r2.pdf (marine.gov.scot) https://www.portofaberdeen.co.uk/about-us/aberdeen-south-harbour	64	94	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d
Aberdeen	Ports.org.uk / Quick Search	64	94	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d
Aberdour	ABERDOUR Port - Ports Directory	151	158	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d
Alnmouth	ALNMOUTH Shelter - Ports Directory	139	130	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d
Amble	AMBLE Marina - Ports Directory	144	134	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d
Anstruther	ANSTRUTHER Marina - Ports Directory	110	116	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d
Arbroath	Arbroath Harbour - port information Angus Council	87	102	Operational	High	f	f	a	a	f	f	a	a	d	d	f	d
Auchmithie	Auchmithie, Harbour Canmore	82	98	Operational	High	f	f	d	d	f	f	a	a	d	d	f	d
Avoch	Ports.org.uk / Quick Search	198	226	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d
Balintore	BALINTORE Marina - Ports Directory	194	223	Operational	High	f	f	d	d	f	f	a	a	d	d	f	d
Banff	BANFF Marina - Ports Directory	121	156	Operational	High	f	f	d	d	f	f	a	a	d	d	f	d
Beadnell	BEADNELL Marina - Ports Directory	122	114	Operational	High	f	f	d	d	f	f	a	a	d	d	f	d
Berwick-upon-Tweed	BERWICK Port - Ports Directory	112	109	Operational	High	f	f	a	a	f	f	a	a	d	d	f	d
Blackness	Ports.org.uk / Blackness	166	173	Operational	High	f	f	d	d	f	f	a	a	d	d	f	d
Blyth	Home - Port of Blyth Leading UK Offshore Energy Support Base	165	154	Operational	High	f	f	d	d	f	f	a	a	d	d	f	d
Boddam	Ports.org.uk / Boddam	75	110	Operational	High	f	f	a	a	f	f	a	a	d	d	f	d
Braefoot Bay	Port of Braefoot Bay, U.K.	153	159	Operational	High	f	f	d	d	f	f	a	a	d	d	f	d
Broughty Ferry	Broughty Ferry, Harbour Canmore	107	121	Operational	High	f	f	d	d	f	f	a	a	d	d	f	d

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Brucehaven	Ports.org.uk / Brucehaven	162	170	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Buchanhaven	Ports.org.uk / Quick Search	80	115	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Buckie	Ports.org.uk / Buckie	142	174	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Burghead	Burnmouth Harbour Canmore http://www.ports.org.uk/port.asp?id=726	170	200	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Burnmouth	Ports.org.uk / Burnmouth	108	107	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Burntisland	Burntisland Harbour	148	154	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Cairnbulg	Ports website (www.ports.org.uk)	100	135	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Carron	Ports.org.uk / Carron	148	155	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Catterline	Ports.org.uk / Catterline	62	87	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Cellardyke	Ports.org.uk / Cellardyke	109	115	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Charlestown (Fife)	Home Page - Charlestown Harbour	163	171	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Cockenzie	Cockenzie & Port Seton Harbour Visit East Lothian	140	143	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Collieston	Collieston Harbour Canmore	71	105	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Cove	Cove Harbour	113	113	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Cove Bay	Cove Harbour	62	92	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Crail	Crail Harbour Fife Council	104	111	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Cramond	Crail Harbour Fife Council	156	161	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Craster	https://ports.org.uk/port.asp?id=9	130	120	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Cromarty	Ports.org.uk / Cromarty	197	225	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Crombie Pier	Ports.org.uk / Crombie Pier	165	172	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Crovie	Ports.org.uk / Crovie	114	149	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Cullen	Ports.org.uk / Quick Search	136	169	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Dalgety Bay	Ports and Harbours – The Forth Estuary	155	161	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Dunbar	Home (dunbarharbourtrust.co.uk)	116	117	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Dundee	https://www.marinetraffic.com/en/ais/details/ports/735?name=DUNDEE&country=United-Kingdom	112	126	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Dysart	Dysart Sailing Club - Home	138	145	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Elie	- Elie Harbour Trust Ltd : Elie Harbour Trust Ltd	118	125	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Eyemouth	Eyemouth Harbour Trust – Scotland's first port of call... (eyemouth-harbour.co.uk)	106	105	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d

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Findhorn	Royal Findhorn Yacht Club - Welcome to Royal Findhorn Yacht Club	173	203	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Findochty	Findochty harbour - Moray Council	140	173	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Fisherrow	Findochty harbour - Moray Council	147	150	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Fortrose	harbour_information_f or_web-site.pdf https://canmore.org.uk/site/14386/fortrose-the-shore-harbour	197	224	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Fraserburgh	Fraserburgh Harbour Commissioners	103	138	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Gardenstown	Ports.org.uk / Introduction	114	149	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Gourdon	Overview - Gourdon - Aberdeenshire Harbours	65	88	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Grangemouth	Marine Forth Ports	174	182	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Granton	Visitors : Royal Forth Yacht Club	152	157	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Hartlepool	Hartlepool Marinas, Hartlepool Marina Marinas	210	196	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Hawes Pier	Hawes Pier - the home of Forth Boat Tours.	160	166	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Hilton	Ports.org.uk / Hilton	194	223	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Hopeman	Ports.org.uk / Quick Search	167	198	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Hound Point Terminal	https://www.marinetraffic.com/en/ais/detail/s/ports/22137?name=HOUND-POINT-TERMINAL&country=United-Kingdom	157	163	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Inverkeithing	INVERKEITHING HARBOUR (LB49949)	156	163	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Inverness	Port Of Inverness Deep Water Harbour In Scotland	198	225	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Johnshaven	Overview - Johnshaven - Aberdeenshire Harbours	68	90	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Kirkcaldy	Kirkcaldy, Dock And Harbour Canmore	140	147	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Leith	Ports.org.uk / Leith	150	154	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Limekilns	Ports.org.uk / Limekilns	162	169	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Lindisfarne	The Lindisfarne Centre Harbour - The Lindisfarne Centre	115	109	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Long Craig	Ports.org.uk / Long Craig	160	166	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Lossiemouth	Lossiemouth Marina Moray Scotland Perfect for exploring the Moray Firth, Northern Isles and Northwest Europe	160	191	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d

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Lower Largo	Lossiemouth Marina Moray Scotland Perfect for exploring the Moray Firth, Northern Isles and Northwest Europe	123	131	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Macduff	LOWER LARGO Marina - Ports Directory	120	155	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Methil	METHIL Marina - Ports Directory	129	136	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Montrose	Montrose Port Authority: Your Gateway to the North Sea	76	95	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Nairn	Nairn harbour Harbours The Highland Council	183	211	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Newburgh (River Tay)	Nairn harbour Harbours The Highland Council	136	148	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Newhaven (Scotland)	Newhaven Edinburgh Scotland United Kingdom Cruise Port	151	156	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Newport-on-Tay	Newport Pier Transport, People & Places Newport on Tay: a special place	112	125	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Nigg	Ports.org.uk / Quick Search	197	226	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
North Berwick	North Berwick Harbour Trust Ltd	122	125	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
North Queensferry	NORTH QUEENSFERRY Port - Ports Directory	159	165	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Pennan	NORTH QUEENSFERRY Port - Ports Directory	111	146	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Perth	Coastal Port Scotland Perth Harbour	143	156	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Peterhead	Home Peterhead Port Authority - Europe's Largest Fishing Port	78	113	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Pettycur	PETTYCUR PIER Marina - Ports Directory	145	151	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Pittenweem	PITTENWEEM Marina - Ports Directory	112	119	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Port Edgar	PITTENWEEM Marina - Ports Directory	161	167	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Port Erroll	Home	72	108	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Port Seton	Port Seton Visitor Guide - Accommodation, Things To Do & More VisitScotland	140	143	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Portgordon	Portgordon - Visit Moray Speyside	143	175	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Portknockie	Portknockie harbour - Moray Council	139	172	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Portmahomack	Ports.org.uk / Quick Search	194	225	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d

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Portsoy	Portsoy Recreational Harbour by Aberdeenshire Council	129	163	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Rockfield	Ports website (www.ports.org.uk)	193	223	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Rosehearty	ROSEHEARTY Marina - Ports Directory	108	143	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Rosyth	ROSYTH Port - Ports Directory	161	168	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Sandend	SANDEND Marina - Ports Directory	132	166	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Sandhaven	https://ports.marinelink.com/ports/port/sandend	105	140	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Seacliff	Seacliff Harbour, United Kingdom - ports.com	119	121	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Seaham	http://ports.com/united-kingdom/seacliff-harbour/	195	182	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Seahouses	SEAHOUSES Marina - Ports Directory	119	111	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Seaton Sluice	SEATON SLUICE Marina - Ports Directory	169	158	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
South Queensferry	https://ports.marinelink.com/ports/port/seaton-sluice	161	167	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
St Abbs	St Abbs Harbour Visit Berwickshire Coast	106	105	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
St Andrews	Home	108	118	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
St Monans	St Monans Harbour Fife Council	115	121	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Stonehaven	STONEHAVEN Marina - Ports Directory	63	89	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Sunderland	SUNDERLAND Port - Ports Directory	187	174	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Tayport	TAYPORT Marina - Ports Directory	108	121	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Tyne	TYNE Port - Ports Directory	178	166	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Usan	Fishtown Of Usan, Harbour ScotlandsPlaces	76	94	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Warkworth Harbour	Warkworth Harbour	134	143	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
West Wemyss	WEST WEMYSS Marina - Ports Directory	135	142	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Whitehills	WHITEHILLS Marina - Ports Directory	124	159	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Wormit (Woodhaven)	Ports website (www.ports.org.uk)	116	128	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Aberdeen Harbour Board	Ports.org.uk / Quick Search	59	89	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Anstruther Harbour	Ports.org.uk / Quick Search	110	116	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Authority of Forth Ports Ltd	Ports.org.uk / Quick Search	99	106	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Authority of Forth Ports plc	Ports.org.uk / Quick Search	99	106	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Blyth Harbour Commission	Ports.org.uk / Quick Search	164	152	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Cellardyke Harbour	Ports.org.uk / Quick Search	109	115	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Crail Harbour	Ports.org.uk / Quick Search	104	111	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Eymouth Harbour	Ports.org.uk / Quick Search	106	105	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Montrose Harbour	Ports.org.uk / Quick Search	73	92	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Perth Harbour	Ports.org.uk / Quick Search	118	132	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Peterhead Bay Harbour	Peterhead Bay Marina Peterhead Port Authority - Europe's Largest Fishing Port	77	112	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Peterhead Port Authority	Home Peterhead Port Authority - Europe's Largest Fishing Port	74	109	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Pettycur Harbour	Ports.org.uk / Quick Search	145	151	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Pittenweem Harbour	Ports.org.uk / Quick Search	112	118	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Port Babcock Rosyth	Port Babcock Rosyth (parliament.scot)	161	168	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Port of Dundee	Port of Dundee - Dundee Waterfront	93	106	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Port of Sunderland Authority	Home Port of Sunderland	182	169	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Port of Tyne	Port of Tyne, one of the UK's most efficient deep-sea ports Port of Tyne	175	162	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Port of Tyne Authority	Ports.org.uk / Quick Search	175	162	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Seaham Port	Ports.org.uk / Quick Search	194	181	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
St. Monans Harbour	Ports.org.uk / Quick Search	114	121	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Sunderland	Ports.org.uk / Quick Search	182	169	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Tees and Hartlepool Port Authority	Home - Tees & Hartlepool Port Users Association (thpua.co.uk)	197	182	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Arbroath - Pontoon	06887 - New Pontoon - Arbroath Harbour Marine Scotland Information	87	102	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Eymouth - Pontoon	Eymouth Harbour Trust – Scotland's first port of call... (eyemouth-harbour.co.uk)	106	105	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Findochty - Pontoon	Marine Licence - Pontoons - Findochty Harbour, Moray - 00009193 Marine Scotland Information	140	173	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Fraserburgh - Pontoon	Marine Licence - New Pontoon - Fraserburgh Harbour - 07231 Marine Scotland Information	103	138	Operational	High	f	f	d	d	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Montrose - Pontoon	Marine Licence - Pontoon - Montrose Port - 00009062 Marine Scotland Information	76	95	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
North Queensferry - Pontoon	Marine Licence - Pontoon - Small Harbour, North Queensferry - 07109 Marine Scotland Information	159	165	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Port Edgar - Pontoon	06804 - Installation of Temporary Pontoon - Port Edgar Marina, Midlothian Marine Scotland Information	161	167	Operational	High	f	f	a	a	f	f	a	a	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d

A.7 Cumulative effects matrix – Military and aviation temporal

The Military, Aviation and Radar projects, plans and activities are shown in Apx Figure 4

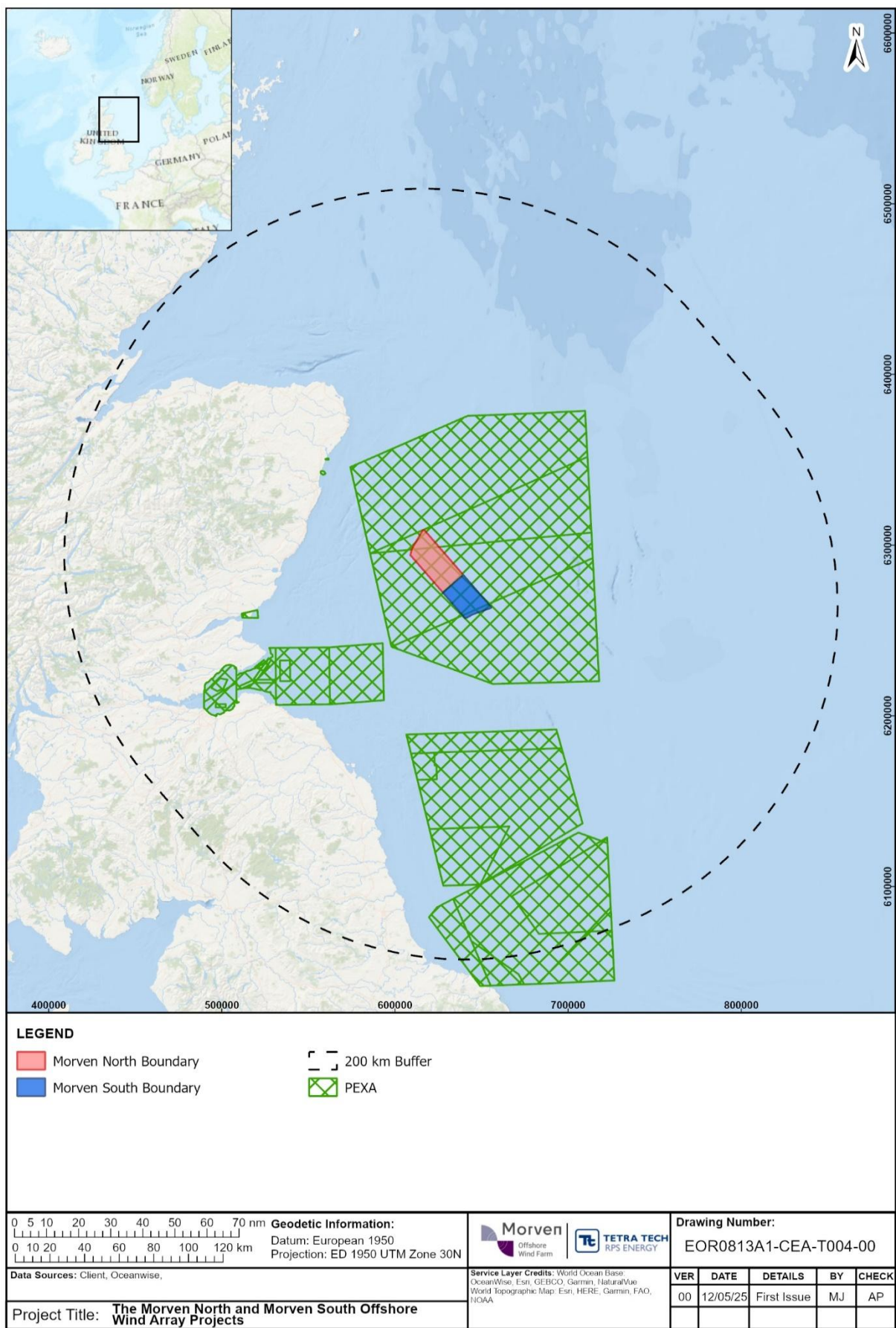
Appendix A: Military & Aviation - Temporal

Key	Project Status
	Consenting/Pre-Construction
	Construction
	Operation and Maintenance
	Decommissioning

					Military and Aviation: Temporal																				
					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South if the projects are to be built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Capacity/ scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044 - 2050
United Kingdom - Military & Aviation within 200km of Morven North and Morven South																									
Tier 1																									
Air Force Department D513: DRURIDGE BAY	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Surface danger area, firing danger area	Operational																					
Air Force Department D513B: DRURIDGE BAY	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Surface danger area, firing danger area	Operational																					
D323A	Oceanwise Licenced dataset purchased for the project	High	AIAA - Areas of Intense Aerial Activity	Operational																					
D323B	Oceanwise Licenced dataset purchased for the project	High	AIAA - Areas of Intense Aerial Activity	Operational																					
D323E	Oceanwise Licenced dataset purchased for the project	High	AIAA - Areas of Intense Aerial Activity	Operational																					
D323G	Oceanwise Licenced dataset purchased for the project	High	AIAA - Areas of Intense Aerial Activity	Operational																					
D412: STAXTON	Oceanwise Licenced dataset purchased for the project	High	surface danger area,firing danger area	Operational																					
Navy Department X5641: FORTH OUTER	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Submarine exercise area, practice and exercise area (surface fleet)	Operational																					

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South if the projects are to be built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Capacity/ scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044 - 2050
Navy Department X5642: FORTH MIDDLE	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Submarine exercise area, practice and exercise area (surface fleet)	Operational																					
Navy Department X5615: FORTH DEEP	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Practice and exercise area (surface fleet)	Operational																					
Navy Department X5614: MAY ISLAND	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Practice and exercise area (surface fleet), submarine exercise area	Operational																					
Defense Training Estate (DTE) D604: BARRY BUDDON	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Surface danger area, firing danger area	Operational																					
Army Department X5703: BLACK DOG	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Practice and exercise area (surface fleet), submarine exercise area	Operational																					
Army Department X5722: DRUMS LINKS	Oceanwise Licenced dataset purchased for the project	High	Military practice area - firing danger area, small arms firing range, surface danger area, range	Operational																					
Army Department X5702: BINN HILL	Marine Scotland Maps NMPI	High	Military practice area - Practice and exercise area (surface fleet)	Operational																					
D613A - AIAA	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Practice and exercise area - Area of Intense Aerial Activity	Operational																					
D613B - AIAA	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Practice and exercise area - Area of Intense Aerial Activity	Operational																					
D613C - AIAA	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Practice and exercise area - Area of Intense Aerial Activity	Operational																					
D613D - AIAA	Oceanwise Licenced dataset purchased for the project	High	Military practice area - Practice and exercise area - Area of Intense Aerial Activity	Operational																					
X5611: KIRKCALDY BAY	Oceanwise Licenced dataset purchased for the project	High	practice and exercise area (surface fleet)	Operational																					
X5612: ABERLADY BAY	Oceanwise Licenced dataset purchased for the project	High	practice and exercise area (surface fleet)	Operational																					

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South if the projects are to be built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Capacity/ scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044 - 2050
X5613N: KIRKCALDY	Oceanwise Licenced dataset purchsed for the project	High	submarine exercise area,practice and exercise area (surface fleet)	Operational																					
X5613S: ABERLADY	Oceanwise Licenced dataset purchsed for the project	High	submarine exercise area,practice and exercise area (surface fleet)	Operational																					
X5625: ANSTRUTHER	Oceanwise Licenced dataset purchsed for the project	High	practice and exercise area (surface fleet)	Operational																					
X5637: FIRTH OF FORTH (SOUTHERN)	Oceanwise Licenced dataset purchsed for the project	High	practice and exercise area (surface fleet)	Operational																					
X5638: FIRTH OF FORTH (NORTHERN)	Oceanwise Licenced dataset purchsed for the project	High	practice and exercise area (surface fleet)	Operational																					



Apx Figure 4: Military and aviation projects, plans and activities within 200km of Morven North and Morven South

A.8 Cumulative effects matrix – Military and aviation spatial and screening

Appendix A: Military & Aviation - Spatial and Screening

Key	Stage 3 screening criteria
a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact assessment: Screened in to assessment.
c	Potential cumulative impact exists: Screened in to assessment.
d	No conceptual effect-receptor pathway: Screened out of assessment.
e	Low data confidence or availability: Screened out of assessment.
f	No physical effect-receptor overlap: Screened out of assessment.
g	No temporal overlap: Screened out of assessment.
h	Project has been withdrawn from development or operation: Screened out of assessment.

Project	Data source	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes	Benthic Subtidal Ecology	Fish & Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Aviaion (Military and Civil)	Other Sea Users	Socio-economics	Human Health											
United Kingdom - Military & Aviation within 200km of Morven North and Morven South																												
Tier 1						North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	
Air Force Department D513: DRURIDGE BAY	Marine Scotland - National Marine Plan Interactive	82	67	Operational	High	f	f	d	d	f	f	d	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Air Force Department D513B: DRURIDGE BAY	Marine Scotland - National Marine Plan Interactive	94	78	Operational	High	f	f	d	d	f	f	d	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
D323A	ENR-6-2.pdf https://www.google.com/maps/d/u/0/viewer?mid=1BktWMPYNuh6N5_IPngyq8jW80nAWXI8d&femb=1&ll=57.86784673596824%2C3.8551016391837747&z=6	161	141	Operational	High	f	f	d	d	f	f	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
D323B	ENR-6-2.pdf https://www.google.com/maps/d/u/0/viewer?mid=1BktWMPYNuh6N5_IPngyq8jW80nAWXI8d&femb=1&ll=57.86784673596824%2C3.8551016391837747&z=7	208	189	Operational	High	f	f	d	d	f	f	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
D323E	ENR-6-2.pdf https://www.google.com/maps/d/u/0/viewer?mid=1BktWMPYNuh6N5_IPngyq8jW80nAWXI8d&femb=1&ll=57.86784673596824%2C3.8551016391837747&z=8	205	189	Operational	High	f	f	d	d	f	f	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
D323G	ENR-6-2.pdf https://www.google.com/maps/d/u/0/viewer?mid=1BktWMPYNuh6N5_IPngyq8jW80nAWXI8d&femb=1&ll=57.86784673596824%2C3.8551016391837747&z=9	180	165	Operational	High	f	f	d	d	f	f	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
D412: STAXTON	ENR-6-2.pdf https://www.google.com/maps/d/u/0/viewer?mid=1BktWMPYNuh6N5_IPngyq8jW80nAWXI8d&femb=1&ll=57.86784673596824%2C3.8551016391837747&z=10	172	150	Operational	High	f	f	d	d	f	f	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Navy Department X5641: FORTH OUTER	Marine Scotland - National Marine Plan Interactive	46	46	Operational	High	f	f	d	d	d	d	d	d	d	d	d	a	a	f	f	d	d	c	c	d	d	d	d
Navy Department X5642: FORTH MIDDLE	Marine Scotland - National Marine Plan Interactive	71	73	Operational	High	f	f	d	d	f	f	d	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
Navy Department X5615: FORTH DEEP	Marine Scotland - National Marine Plan Interactive	93	97	Operational	High	f	f	d	d	f	f	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Navy Department X5614: MAY ISLAND	Marine Scotland - National Marine Plan Interactive	95	102	Operational	High	f	f	d	d	f	f	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Defense Training Estate (DTE) D604: BARRY BUDDON	Marine Scotland - National Marine Plan Interactive	94	108	Operational	High	f	f	d	d	f	f	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
Army Department X5703: BLACK DOG	Marine Scotland - National Marine Plan Interactive	65	97	Operational	High	f	f	d	d	f	f	d	d	d	d	d	a	f	f	f	d	d	f	f	d	d	d	d

Project	Data source	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Army Department X5722: DRUMS LINKS	Marine Scotland - National Marine Plan Interactive	68	102	Operational	High	f	f	d	d	f	f	d	d	d	d	d	d	a	f	f	f	d	d	f	f	d	d	d	d
Army Department X5702: BINN HILL	Marine Scotland - National Marine Plan Interactive	151	182	Operational	High	f	f	d	d	d	d	d	d	d	d	d	d	a	a	f	f	d	d	f	f	d	d	d	d
D613A - AIAA	ENR-6-2.pdf https://www.google.com/maps/d/u/0/viewer?mid=1BktWMPYNuh6N5_IPngyq8jW80nAWXI8d&femb=1&ll=57.86784673596824%2C3.8551016391837747&z=6	0	34	Operational	High	d	f	d	d	d	d	d	d	d	d	d	d	a	a	d	f	d	d	c	c	d	d	d	d
D613B - AIAA	ENR-6-2.pdf https://www.google.com/maps/d/u/0/viewer?mid=1BktWMPYNuh6N5_IPngyq8jW80nAWXI8d&femb=1&ll=57.86784673596824%2C3.8551016391837747&z=6	0	18	Operational	High	d	d	d	d	d	d	d	d	d	d	d	d	a	a	d	f	d	d	c	c	d	d	d	d
D613C - AIAA	ENR-6-2.pdf	0	0	Operational	High	d	d	d	d	d	d	d	d	d	d	d	d	a	a	d	d	d	d	c	c	d	d	d	d
D613D - AIAA	ENR-6-2.pdf	17	0	Operational	High	d	d	d	d	d	d	d	d	d	d	d	d	a	a	f	d	d	d	c	c	d	d	d	d
X5611: KIRKCALDY BAY	Marine Scotland - National Marine Plan Interactive	128	135	Operational	High	f	f	d	d	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
X5612: ABERLADY BAY	Marine Scotland - National Marine Plan Interactive	138	142	Operational	High	f	f	d	d	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
X5613N: KIRKCALDY	Marine Scotland - National Marine Plan Interactive	120	127	Operational	High	f	f	d	d	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
X5613S: ABERLADY	Marine Scotland - National Marine Plan Interactive	125	131	Operational	High	f	f	d	d	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
X5625: ANSTRUTHER	Marine Scotland - National Marine Plan Interactive	104	109	Operational	High	f	f	d	d	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
X5637: FIRTH OF FORTH (SOUTHERN)	Marine Scotland - National Marine Plan Interactive	106	109	Operational	High	f	f	d	d	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d
X5638: FIRTH OF FORTH (NORTHERN)	Marine Scotland - National Marine Plan Interactive	101	107	Operational	High	f	f	d	d	f	f	d	d	d	d	d	d	f	f	f	f	d	d	f	f	d	d	d	d

Appendix B Cumulative effects matrix

B.1 Cumulative effects matrix – Energy temporal

The Energy projects, plans and activities are shown in Apx Figure 5

Appendix B: Energy Projects - Temporal

Key	Project Status
	Consenting/Pre-Construction
	Construction
	Operation and Maintenance
	Decommissioning

NOTE: Where dates of construction, O&M and decommissioning are unknown for a project, the temporal overlap has been left blank, aside from consenting and pre-construction, where it is known.

NOTE: An assumption has been made that offshore wind farms will be operational for 25 years (unless otherwise known) and that the project will be decommissioned after this period. Decommissioning has been assumed to take 2 years.

[illegible]

							Energy: Temporal																																																
							Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																																																
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Buchan	CES	High	960MW (60 turbines)	Buchan Offshore Wind Farm has a total capacity of 960MW and 60 turbines.	Application submitted/A waiting decision	Power plant profile: Buchan Offshore Wind Project, UK (power-technology.com)																																																	
Burbo Bank	TCE	High	90 MW (25 turbines)	Burbo Bank Offshore Wind Farm consists of up to 25 turbines at a capacity of 90MW.	Operational	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514_ps_burbo-bank-web_aw.ashx?la=en&rev=fb2686e48e004d12b0e04a14dfc82696&hash=DD9E2352B14CC817CA78895DC2FCE013																																																	
Burbo Bank Extension	TCE	High	258 MW (32 turbines)	Burbo Bank Extension consists of up to 32 turbines at a capacity of 258MW.	Operational	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514_ps_burbo-bank-extension-web_aw.ashx?la=en&rev=704980bb76be4f66b08c39b2ac0ce565&hash=249AF9E2446AF47A46F41D5F15F3FB82																																																	
Caledonia North Offshore Wind Farm	CES	High	1100 MW	Caledonia Offshore Wind Farm is proposed for up to 150 turbines at a capacity of 2,000MW.	Application submitted/A waiting decision	Volume-1-Chapter-5-Proposed-Development-Phasing.pdf																																																	
Caledonia South Offshore Wind Farm	CES	High	900 MW	Caledonia Offshore Wind Farm is proposed for up to 150 turbines at a capacity of 2,000MW.	Application submitted/A waiting decision	Volume-1-Chapter-5-Proposed-Development-Phasing.pdf																																																	
INTOG: Cenoss	TCE	High	1350 MW (95 turbines)	INTOG site 11 is proposed for up to 1350MW	Application submitted/A waiting decision	cenoss_eia_vol_2_-_chapter_5_-_project_description_redacted_0.pdf																																																	
INTOG: Culzean Demo	TCE	High	3 MW	INTOG site 12 is proposed for up to 15MW	Under Construction	Scoping Report																																																	
Dogger Bank A (Creyke Beck A)	TCE	High	1,200 MW (95 turbines)	Dogger Bank A Offshore Wind Farm is consented for up to 95 turbines at a capacity of 1,200MW.	Under Construction	https://www.sserenewables.com/offshore-wind/projects/dogger-bank/																																																	
Dogger Bank B (Creyke Beck B)	TCE	High	1,200 MW (95 turbines)	Dogger Bank B Offshore Wind Farm is consented for up to 95 turbines at a capacity of 1,200MW.	Under Construction	https://www.sserenewables.com/offshore-wind/projects/dogger-bank/																																																	
Dogger Bank C	TCE	High	1,200 MW (87 turbines)	Dogger Bank C Offshore Wind Farm is consented for up to 87 turbines at a capacity of 1,200MW.	Under Construction	https://www.sserenewables.com/offshore-wind/projects/dogger-bank/																																																	

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Rhyl Flats	TCE	High	90MW (25 turbines)	Rhyl Flats Offshore Wind Farm consists of up to 25 turbines at a capacity of 90MW.	Operational	https://www.awjmarine.co.uk/fishery-liaison/rhyl-flats-wind-farm/																																													
Robin Rigg East	CES	High	84MW (28 turbines)	Robin Rigg East Offshore Wind farm consists of up to 28 turbines at a capacity of 84MW.	Operational	https://uk-ireland.rwe.com/locations/robin-rigg-offshore-wind-farm/																																													
Robin rigg West	CES	High	90MW (30 turbines)	Robin Rigg West Offshore Wind Farm consists of up to 30 turbines at a capacity of 90MW.	Operational	https://uk-ireland.rwe.com/locations/robin-rigg-offshore-wind-farm/																																													
INTOG: Salamander	TCE	High	100MW	INTOG site 3 is proposed for up to 100MW	Consented	AD.A.5 Offshore Planning Statement																																													
Scroby Sands	TCE	High	60MW (30 turbines)	Scroby Sands Offshore Wind Farm consists of up to 30 turbines at a capacity of 60MW.	Operational	https://uk-ireland.rwe.com/locations/scroby-sands-offshore-wind-farm/																																													
Seagreen 1	CES	High	1,075MW (114 turbines)	Seagreen 1 Offshore Wind Farm consists of up to 114 wind turbines at a capacity of 1,075MW.	Operational	https://www.sserenewables.com/offshore-wind/projects/seagreen/																																													
Seagreen 1A	CES	High	No capacity limit (36 turbines)	Seagreen 1A Offshore Wind Farm is consented for up to 36 turbines with no maximum generating capacity.	Consented	https://www.snclavalin.com/en/projects/seagreen-1a																																													
Sheringham Shoal	TCE	High	317MW (88 turbines)	Sheringham Shoal Offshore Wind Farm consists of up to 88 turbines at a capacity of 317MW.	Operational	http://sheringhamshoal.co.uk/																																													
Sheringham Shoal Extension	TCE	High	317 MW (27 turbines)	Sheringham Shoal Extension is proposed for up to 27 turbines at a capacity of 317MW.	Under Construction	http://sheringhamshoal.co.uk/extensionproject/offshore-location																																													
Sofia	TCE	High	1,400MW (100 turbines)	Sofia Offshore Wind farm consists of up to 100 turbines at a capacity of 1,400MW.	Under Construction	https://sofiawindfarm.com/project/#Timeline																																													
Teesside	TCE	High	62MW (27 turbines)	Teesside Offshore Wind Farm consists of up to 27 turbines at a capacity of 62MW.	Operational	https://www.edf-re.uk/our-sites/teesside/																																													
Thanet	TCE	High	300MW (100 turbines)	Thanet Offshore Wind farm consists of up to 100 turbines at a capacity of 300MW.	Operational	https://powerplants.vattenfall.com/thanet/																																													

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INTOG: Flora	TCE	High	50MW	INTOG site 4 is proposed for up to 50MW	Consenting/ Pre-Construction	https://marine.gov.scot/ml/malin-sea-wind																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
INTOG: Malin Sea Wind	TCE	High	100MW	INTOG site 5 is proposed for up to 100MW	Consenting/ Pre-Construction	https://marine.gov.scot/ml/flora-offshore-wind-farm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
INTOG: Beech	TCE	High	1,008MW	INTOG site 9 is proposed for up to 1,008MW	Consenting/ Pre-Construction	» Cerulean Winds » North Sea Renewables Grid (NSRG) » Floating Wind »																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
INTOG: Cedar	TCE	High	1,008MW	INTOG site 10 is proposed for up to 1,008MW	Consenting/ Pre-Construction	https://www.offshorewindscotland.org.uk/the-offshore-wind-market-in-scotland/intog-leasing-round/																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
INTOG: HE South (Judy)	TCE	High	15MW	INTOG site 13 is proposed for up to 15MW	Consenting/ Pre-Construction	https://www.offshorewindscotland.org.uk/the-offshore-wind-market-in-scotland/intog-leasing-round/																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Northland Mhairi Offshore Wind Farm	TCE	Medium	1,500MW	Mhairi Offshore Wind Farm is proposed for a capacity of 1,500MW.	Consenting/ Pre-Construction	https://www.4coffshore.com/windfarms/united-kingdom/machairwind-united-kingdom-uk6o.html																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
ScotWind 1, Site 13: Offshore Wind Power Fixed (west of Orkney)	TCE	High	2,000MW	Project is proposed for up to 2,000MW capacity.	Consenting/ Pre-Construction	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
ScotWind 1, Site 20: ESB Asset Development: Stoura	TCE	High	500MW	Floating Project is proposed for up to 500MW capacity.	Consenting/ Pre-Construction	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Northland Sheena Offshore Wind Farm (Spiorad na mara)	TCE	High	840MW	Sheena Offshore Wind Project is proposed for up to 840MW capacity.	Consenting/ Pre-Construction	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Belwind phase 1	Emodnet Human Activities	High	165MW (56 turbines)	Belwind Phase 1 consists of up to 56 turbines at a capacity of 165MW.	Operational	Parkwind Belwind																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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C-Power (Zone B)	Emodnet Human Activities	Medium	184.5MW (30 turbines)	C-Power (Zone B) consists of up to 30 turbines at a capacity of 184.5MW.	Operational	C-Power completes first wind farm in the Belgian North Sea - Marguerite																																																				
Mermaid	Emodnet Human Activities	Medium	235.2MW (28 turbines)	Mermaid Offshore Wind Farm consists of up to 28 turbines at a capacity of 235.2MW.	Operational	SeaMade Offshore Wind Farm, North Sea, Belgium (power-technology.com)																																																				
Norther	Emodnet Human Activities	Medium	369.6MW (44 turbines)	Norther Offshore Wind Farm consists of up to 44 turbines at a capacity of 369.6MW.	Operational	Norther Offshore Wind Farm, Belgium EEZ (power-technology.com)																																																				
Northwester 2	Emodnet Human Activities	Medium	218.5MW (23 turbines)	Northwester 2 Offshore Wind Farm consists of up to 23 turbines at a capacity of 218.5MW.	Operational	Northwester 2 Offshore Wind Farm,North Sea, Belgium (power-technology.com)																																																				
Northwind	Emodnet Human Activities	Medium	216MW (72 turbines)	Northwind Offshore Wind Farm consists of up to 72 turbines at a capacity of 216MW.	Operational	https://itportal.beis.gov.uk/EIP/pages/projects/Humber%20Gateway%20Offshore%20Wind%20Farm%20Consent%20Final.pdf																																																				
Rentel	Emodnet Human Activities	Medium	294MW (42 turbines)	Rentel Offshore Wind Farm consists of up to 42 turbines at a capacity of 294MW.	Operational	Rentel Offshore Wind Farm, Belgian North Sea (power-technology.com)																																																				
SeaMade	Emodnet Human Activities	Medium	252MW (30 turbines)	Seastar Offshore Wind Farm consists of up to 30 turbines at a capacity of 252MW.	Operational	SeaMade Offshore Wind Farm, North Sea, Belgium (power-technology.com)																																																				
Denmark - Wind farms within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)																																																										
Tier 1																																																										
Horns Rev I	Emodnet Human Activities	High	160MW (80 turbines)	Horns Rev I Offshore Wind Farm consists of up to 80 turbines at a capacity of 160MW.	Operational	https://powerplants.vattenfall.com/horns-rev/																																																				
Horns Rev II	Emodnet Human Activities	High	209.3MW (91 turbines)	The Horns Rev II Offshore Wind Farm consists of up to 91 turbines at a capacity of 209.3MW.	Operational	https://www.windpowermonthly.com/article/1663417/horns-rev-1-2-3-three-generations-turbine-output-analysed																																																				
Horns Rev III	Emodnet Human Activities	High	407MW (49 turbines)	The Horns Rev III Offshore Wind Farm consists of up to 49 turbines at a capacity of 407MW.	Operational	https://www.windpowermonthly.com/article/1663417/horns-rev-1-2-3-three-generations-turbine-output-analysed																																																				
Nissum Bredning	Emodnet Human Activities	Medium	28MW (4 turbines)	Nissum Bredning Offshore Wind Farm consists of up to 4 turbines at a capacity of 28MW.	Operational	https://www.thewindpower.net/windfarm_en_16856_nissum-bredning.php																																																				
Rønland	Emodnet Human Activities	Medium	17MW (8 turbines)	Rønland Offshore Wind Farm consists of up to 8 turbines at a capacity of 17MW.	Operational	https://en.wikipedia.org/wiki/R%C3%B8nland_Offshore_Wind_Farm																																																				

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Centre-Manche 2	Emodnet Human Activities	Medium	1,400MW	Centre-Manche 2 is proposed for a capacity of 1,400MW.	Consenting/ Pre-Construction	https://www.power-technology.com/data-insights/power-plant-profile-centre-manche-2-wind-offshore-project-france/																																																												
Germany - Wind farms within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)																																																																		
Tier 1																																																																		
Albatros	Emodnet Human Activities	High	112MW (16 turbines)	Albatros Offshore Wind Farm consists of up to 16 turbines at a capacity of 112MW.	Operational	http://www.gov.scot/Resource/0046/00460530.pdf																																																												
Alpha Ventus	Emodnet Human Activities	high	60MW (12 turbines)	Alpha Ventus consists of up to 12 turbines at a capacity of 60MW.	Operational	https://www.alpha-ventus.de/english																																																												
Amrumbank West	Emodnet Human Activities	High	288MW (80 turbines)	The Amrumbank Offshore Wind Farm consists of up to 80 turbines at a capacity of 288MW.	Operational	https://www.rwe.com/en/the-group/countries-and-locations/amrumbank-west-offshore-wind-farm/																																																												
BARD Offshore 1	Emodnet Human Activities	Medium	400 MW (80 turbines)	BARD Offshore 1 consists of up to 80 turbines at a capacity of 400MW.	Operational	http://www.seagreenwindenergy.com/offshore-scoping-phases2and3.asp																																																												
Borkum Riffgrund 1	Emodnet Human Activities	High	227MW (78 turbines)	Borkum Riffgrund 1 consists of up to 78 turbines at a capacity of 227MW.	Operational	https://www.power-technology.com/projects/borkum-riffgrund-1-offshore-wind-farm/																																																												
Borkum Riffgrund 2	Emodnet Human Activities	Medium	450MW (56 turbines)	Borkum Riffgrund 2 consists of up to 56 turbines at a capacity of 450MW.	Operational	https://www.power-technology.com/projects/borkum-riffgrund-2-offshore-windfarm-north-sea/																																																												
Borkum Riffgrund 3	Emodnet Human Activities	Medium	913MW (83 turbines)	Borkum Riffgrund 3 is consented for up to 83 turbines at a capacity of 913MW.	Operational	https://www.power-technology.com/projects/borkum-riffgrund-3-offshore-wind-farm-north-sea-germany/ ; https://www.offshorewind.biz/2019/09/10/orsted-bundles-german-offshore-wind-projects/																																																												
Butendiek	Emodnet Human Activities	High	288MW (80 turbines)	Butendiek consists of up to 80 turbines at a capacity of 288MW.	Operational	https://www.owp-butendiek.de/																																																												
DanTysk	Emodnet Human Activities	Medium	288MW (80 turbines)	DanTysk consists of up to 80 turbines at a capacity of 288 MW.	Operational	http://www.gov.scot/Resource/0046/00460530.pdf																																																												
Deutsche Bucht	Emodnet Human Activities	High	252MW (31 turbines)	Deutsche Bucht consists of up to 31 turbines at a capacity of 252MW.	Operational	http://sheringhamshoal.co.uk/downloads/2014_11_24%20application%20letter.pdf																																																												
EnBW He dreiht	Emodnet Human Activities	High	960MW (64 turbines)	EnBW He dreiht is proposed for up to 64 turbines at a capacity of 960MW.	Under Construction	https://www.enbw.com/renewable-energy/wind-energy/our-offshore-wind-farms/he_dreih/																																																												
EnBW Hohe See	Emodnet Human Activities	High	497MW (71 turbines)	EnBW Hohe See consists of up to 71 turbines at a capacity of 497MW.	Operational	https://itportal.beis.gov.uk/EIP/pages/projects/EDFNConsent.pdf																																																												

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GlobalTech I	Emodnet Human Activities	Medium	400MW (80 turbines)	GlobalTech I consists of up to 80 turbines at a capacity of 400MW.	Operational	http://sheringhamshoal.co.uk/downloads/2014_11_24%20application%20letter.pdf																																															
Gode Wind 01	Emodnet Human Activities	Medium	344.52MW (55 turbines)	Gode Wind 1 consists of up to 55 turbines at a capacity of 344.52MW.	Operational	https://www.power-technology.com/projects/gode-wind-1-and-2-offshore-wind-farms/																																															
Gode Wind 02	Emodnet Human Activities	Medium	252MW (42 turbines)	Gode Wind 2 consists of up to 42 turbines at a capacity of 252MW.	Operational	https://www.power-technology.com/projects/gode-wind-1-and-2-offshore-wind-farms/																																															
Gode Wind 3	Emodnet Human Activities	Medium	242MW (23 turbines)	Gode Wind 3 is consented for up to 23 turbines with no maximum generating capacity.	Operational	https://www.power-technology.com/projects/gode-wind-3-offshore-wind-farm-north-sea-germany/																																															
Kaskasi II	Emodnet Human Activities	High	342MW (38 turbines)	Kaskasi, also known as Kaskasi II, consists of up to 38 turbines at a capacity of 342MW.	Operational	https://www.power-technology.com/projects/kaskasi-offshore-wind-farm-north-sea-germany/																																															
Meerwind Sued/Ost	Emodnet Human Activities	Medium	288MW (80 turbines)	Meerwind Süd Ost consists of up to 80 turbines at a capacity of 288MW.	Operational	https://www.power-technology.com/projects/meerwind-sdost-wind-project-north-sea/																																															
Merkur Offshore (MEG Offshore I)	Emodnet Human Activities	Medium	390MW (66 turbines)	Merkur Offshore (MEG Offshore I) consists of up to 66 turbines at a capacity of 390MW.	Operational	http://sheringhamshoal.co.uk/downloads/2014_11_24%20application%20letter.pdf																																															
N-3.5	Emodnet Human Activities	Medium	420MW	N-3.5 Offshore Wind Farm is proposed for a capacity of 420MW.	Under Construction	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf																																															
N-3.6	Emodnet Human Activities	Medium	480MW	N-3.6 Offshore Wind Farm is proposed for a capacity of 480MW.	Under Construction	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf																																															
N-3.7	Emodnet Human Activities	High	225MW (16 turbines)	N-3.7 Offshore Wind Farm is proposed for up to 16 turbines at a capacity of 225MW.	Under Construction	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf																																															
N-3.8	Emodnet Human Activities	High	433MW (9 turbines)	N-3.8 Offshore Wind Farm is proposed for up to 9 turbines at a capacity of 433MW.	Under Construction	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf																																															
Nordergruende	Emodnet Human Activities	High	111MW (18 turbines)	Nordergrunde Offshore Wind Farm consists of up to 18 turbines at a capacity of 111MW.	Operational	https://www.power-technology.com/projects/nordergrunde-offshore-windfarm/																																															
Nordsee One	Emodnet Human Activities	High	332 MW (54 turbines)	The Nordsee One Wind Farm consists of up to 54 turbines at a capacity of 332MW.	Operational	https://www.nordseeone.com/																																															

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Nordsee Ost	Emodnet Human Activities	High	295.2MW (48 turbines)	Nordsee Ost consists of up to 48 turbines at a capacity of 295.2MW.	Operational	https://www.rwe.com/en/the-group/countries-and-locations/nordsee-ost-offshore-wind-farm/																																													
Riffgat	Emodnet Human Activities	High	113.4MW (30 turbines)	RIFFGAT consists of up to 30 turbines at a capacity of 113.4MW.	Operational	https://www.power-technology.com/marketdata/power-plant-profile-riffgat-germany/																																													
Sandbank	Emodnet Human Activities	High	288MW (72 turbines)	Sandbank consists of up to 72 turbines at a capacity of 288MW.	Operational	http://www.bobleroi.co.uk/ScrapBook/RedSandsRadio_15/ThanetNTSlr.pdf																																													
Trianel Windpark Borkum Phase 1	Emodnet Human Activities	High	200MW (40 turbines)	Trianel Windpark Borkum Phase 1 consists of up to 40 turbines at a capacity of 200MW.	Operational	https://itportal.beis.gov.uk/EIP/pages/projects/EDFNConsent.pdf																																													
Trianel Windpark Borkum Phase 2	Emodnet Human Activities	High	200MW (32 turbines)	Trianel Windpark Borkum Phase 2 consists of up to 32 turbines at a capacity of 200MW.	Operational	https://www.offshorewind.biz/2020/07/03/trianel-windpark-borkum-ii-commissioned/																																													
Veja Mate	Emodnet Human Activities	High	402MW (67 turbines)	Veja Mate Offshore Wind Farm consists of up to 67 turbines at a capacity of 402MW.	Operational	https://itportal.beis.gov.uk/EIP/pages/projects/EDFNConsent.pdf																																													
Tier 3																																																			
N-10.1	Emodnet Human Activities	Medium	2,000MW (10 turbines)	N-10.1 Offshore Wind Farm is proposed for up to 10 turbines at a capacity of 2,000MW.	Consenting/ Pre-Construction	https://www.power-technology.com/data-insights/power-plant-profile-n-10-1-offshore-wind-project-germany/																																													
N-10.2	Emodnet Human Activities	Medium	500MW (10 turbines)	N-10.2 Offshore Wind Farm is proposed for up to 10 turbines at a capacity of 500MW.	Consenting/ Pre-Construction	https://www.power-technology.com/data-insights/power-plant-profile-n-10-2-offshore-wind-project-germany/																																													
N-6.6	Emodnet Human Activities	High	630MW	N-6.6 Offshore Wind Farm is proposed for a capacity of 630MW.	Consenting/ Pre-Construction	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf																																													
N-6.7	Emodnet Human Activities	Medium	270MW	N-6.7 Offshore Wind Farm is proposed for a capacity of 270MW.	Consenting/ Pre-Construction	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf																																													
N-7.2	Emodnet Human Activities	High	930MW	N-7.2 Offshore Wind Farm is proposed for a capacity of 930MW.	Consenting/ Pre-Construction	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf																																													
N-9.1	Emodnet Human Activities	High	2,000MW	N-9.1 Offshore Wind Farm is proposed for a capacity of 2,000MW.	Consenting/ Pre-Construction	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf																																													

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London	Emodnet Human Activities	Medium	Unavailable	Unavailable	Consenting/ Pre-Construction	Project Consenting Info ORJIP																																															
Lynmouth (Bristol Channel)	Emodnet Human Activities	Medium	Up to 10MW (up to 10 turbines)	Lynmouth Tidal Array is proposed for up to 10 turbines at a capacity of 10MW.	Consenting/ Pre-Construction	Project Consenting Info ORJIP																																															
Morecambe Bay	Emodnet Human Activities	Medium	Up to 913MW	Morecambe Bay Tidal Barrage is proposed for up to 913MW.	Consenting/ Pre-Construction	Project Consenting Info ORJIP																																															
Ness of Duncansby	Crown Estate Scotland Data	Low	Up to 95MW (up to 95 turbines)	Ness of Duncansby consists of up to 95 turbines at a capacity of 95MW.	Discontinued	Ness of Duncansby Tidal Array Tethys https://openei.org/wiki/PRIMRE/Databases/Projects_Database/Projects/Ness_of_Dunca nsby_Tidal_Array																																															
Newport	Emodnet Human Activities	Medium	Unavailable	Unavailable	Consenting/ Pre-Construction	Project Consenting Info ORJIP																																															
Perpetuus Tidal Energy Centre (PTEC)	The Crown Estate	Medium	Up to 30MW	PTEC is proposed for a capacity of 30MW	Consenting/ Pre-Construction	Project Consenting Info ORJIP																																															
Severn Estuary (Bristol Channel)	Emodnet Human Activities	Medium	Unavailable	Unavailable	Consenting/ Pre-Construction	Project Consenting Info ORJIP																																															
Solway Firth	Emodnet Human Activities	Medium	Up to 100MW	Solway Firth Tidal Bridge is proposed for a capacity of 100MW	Consenting/ Pre-Construction	Project Consenting Info ORJIP																																															
Swansea Bay	Emodnet Human Activities	Medium	Unavailable	Unavailable	Consenting/ Pre-Construction	Project Consenting Info ORJIP																																															
West Somerset	Emodnet Human Activities	Medium	Up to 2500MW	West of Somerset Tidal Array is proposed for a capacity of up to 2500MW	Consenting/ Pre-Construction	Project Consenting Info ORJIP																																															
Yell Sound Array	Crown Estate Scotland Data	Medium	Up to 15MW	Yell Sound is proposed for a capacity of 15MW	Consenting/ Pre-Construction	Nova Innovation inks lease for 15MW tidal energy array at Yell Sound - Offshore Energy (offshore-energy.biz)																																															
Ocean Energy Projects - Wave																																																					
United Kingdom - Ocean Energy Projects within 800 km of Morven North and Morven South																																																					
Tier 1																																																					
Billia Croo (near Stromness)	Emodnet Human Activities	Medium	Up to 7MW	Billia Croo consists of a capacity of 7MW	Operational	http://www.seagreenwindenergy.com/offshore-scoping-phases2and3.asp																																															
Brough Head (Orkney)	Emodnet Human Activities	High	Up to 200MW (up to 50 turbines)	Brough Head consists of up to 50 turbines at a capacity of 200MW.	Operational	Brough-Head-Wave-Farm-Scoping-Report.pdf																																															

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Barrow - OWF Export Cable	TCE	High	Up to 145kV (1 cable)	Barrow export cable consists of 1 cable at a capacity of 145kV.	Operational	https://en.wikipedia.org/wiki/Offshore_transmission_owner																																																
Beatrice - OWF Export Cable	CES	High	Up to 220kV (2 cables)	Beatrice Offshore Wind Farm export cable consists of up to 2 cables at a capacity of 220kV.	Operational	http://www.gov.scot/Resource/0041/00417203.pdf																																																
Berwick Bank Export Cable - Branxton Connection	CES	High	Up to 275kV	The Branxton Connection is an offshore export cable connecting Berwick Bank to the coast.	Consented	eor0766_berwick_bank_offshore_eia_-_chapter_03_-_project_description.pdf																																																
Bluemull Sound - Tidal Export Cable	CES	High	Up to 33kV (2 cables)	Bluemull Sound export cable consists of up to 2 cables at a capacity of 33kV.	Operational	Cable Plan - Shetland Tidal Array (as extended) – Bluemull Sound, Shetland – 06642 marine.gov.scot																																																
Blyth Demo Phase 1 - OWF Export Cable	TCE	High	Up to 66kV	The Blyth Offshore Demonstrator wind export cable consists of 2 cables at a capacity of 66kV.	Operational	https://www.weamec.fr/en/synthesis/blyth-offshore-demonstrator-wind-farm-project/																																																
Blyth Demo Phase 2&3 - OWF Export Cable	TCE	High	Cable (OWF)	Minimal information available	Operational	https://www.weamec.fr/en/synthesis/blyth-offshore-demonstrator-wind-farm-project/																																																
Buchan - OWF Export Cable	Aberdeenshre planning portal	High	Cable (OWF)	up to three HVAC export cables of between 220 kV and 275 kV	Consenting/ Pre-Construction	bow_eia_volume_1_chapter_04_project_description.pdf																																																
Burbo Bank - OWF Export Cable	TCE	High	132 kV Cable (OWF)	Burbo Bank wind export cables have a capacity of up to 132 kV	Operational	https://en.wikipedia.org/wiki/Burbo_Bank_Offshore_Wind_Farm																																																
Burbo Bank Extension - OWF Export Cable	TCE	High	Export cable (OWF)	The Burbo Bank Offshore Wind Farm export cable consists of 2 cables at a capacity of 220kV.	Operational	https://en.wikipedia.org/wiki/Burbo_Bank_Offshore_Wind_Farm																																																
Caledonia Offshore Wind Farm North Export Cable Route	CES	High	Export cable (OWF)	4 x up to 275 kV	Application submitted/A waiting decision	Volume-1-Chapter-5-Proposed-Development-Phasing.pdf																																																
Caledonia Offshore Wind Farm South Export Cable Route	CES	High	4 x up to 275 kV	4 x up to 275 kV	Application submitted/A waiting decision	Volume-1-Chapter-5-Proposed-Development-Phasing.pdf																																																

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Inner Dowsing - OWF Export Cable	TCE	High	Up to 36kV (1 cable)*	Lynn and Inner Drowsing export cable consists of 1 cable at a capacity of 36kV.	Operational	https://www.power-technology.com/projects/lynnandinnerdowsing/																																																		
Inner Sound - Tidal Export Cable	CES	High	Up to 33kV (1 cable)	Inner Sound export cable consists of 1 cable at a capacity of 33kV.	Operational	https://tethys.pnnl.gov/project-sites/meygen-tidal-energy-project-phase-i																																																		
INTOG: Aspen Offshore Transmission Assets	Aberdeen City Planning Portal	High	200 to 275kV (4 cables)	Aspen Offshore Transmission Assets consist of up to 4 cables at a capacity of 200kV to 275kV.	Application submitted/A waiting decision	aspen_owf_chapter_3_project_description_final.pdf																																																		
Kentish Flats	TCE	High	90MW (30 turbines)	Kentish Flats consists of up to 30 turbines at a capacity of 90MW.	Operational	https://powerplants.vattenfall.com/kentish-flats/																																																		
Kincardine - OWF Export Cable	CES	High	Up to 33kV (2 cables)	Kincardine export cable consists of 2 cables at a capacity of 33kV.	Operational	https://www.principlepower.com/projects/kincardine-offshore-wind-farm																																																		
Lincs - OWF Export Cable	TCE	High	Up to 132kV (2 cables)	Lincs export cable consists of 2 cables at a capacity of 132kV.	Operational	http://www.renewables-map.co.uk/project.asp?pageid=2018&pageName=Lynn%20Wind%20Farm																																																		
London Array - OWF Export Cable	TCE	High	Up to 150kV (4 cables)	London Array export cable consists of up to 4 cables at a capacity of 150kV.	Operational	https://londonarray.com/																																																		
Lynn - OWF Export Cable	TCE	High	Up to 36kV (1 cable)*	Lynn and Inner Drowsing export cable consists of 1 cable at a capacity of 36kV.	Operational	http://www.renewables-map.co.uk/project.asp?pageid=2018&pageName=Lynn%20Wind%20Farm																																																		
Moray Offshore Windfarm (East) export cable - 66600014	CES	High	950MW (100 turbines)	Moray East Offshore Wind Farm consists of up to 100 turbines at a capacity of 950MW.	Operational	https://www.oceanwinds.com/projects/moray-east/																																																		
Moray Offshore Windfarm (West) export cable - 66600008	CES	High	882MW (60 turbines)	Moray West Offshore Wind Farm is consented for up to 60 turbines at a capacity of 882MW.	Operational	https://www.oceanwinds.com/projects/moray-west/																																																		
Neart na Gaoithe - OWF Export Cable	CES	High	2 cables	Neart na Gaoith export cable is consented for 2 cables with no maximum capacity	Operational	https://www.edf-re.uk/our-sites/neart-na-gaoithe/																																																		
Norfolk Boreas - OWF Export Cable	TCE	High	4 cables	Norfolk Boreas export cable is consented for 4 cables with no maximum capacity	Under Construction	https://group.vattenfall.com/uk/what-we-do/our-projects/vattenfallinnorfolk/norfolk-boreas																																																		
Norfolk Vanguard - OWF Export Cable	TCE	High	6 cables	Norfolk Vanguard export cable is consented for up to 6 cables with no maximum capacity.	Under Construction	https://group.vattenfall.com/uk/what-we-do/our-projects/vattenfallinnorfolk/norfolk-vanguard																																																		

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Seagreen 1A - OWF Export Cable	Marine Scotland	High	6 cables	Seagreen Phase 1A export cable is consented for up to 6 cables with no maximum capacity.	Under Construction	https://infrastructure.planninginspectorate.gov.uk/document/EN010032-001699																																																			
Seagreen Phase 1 OWF Export Cable	CES	High	6 cables	Seagreen Phase 1 export cable is consented for up to 6 cables with no maximum capacity.	Operational	https://www.sserenewables.com/offshore-wind/projects/seagreen/																																																			
Sheringham Shoal - OWF Export Cable	TCE	High	Up to 132kV (2 cables)	Sheringham Shoal export cable consists of up to 2 cables at a capacity of 132kV.	Operational	http://sheringhamshoal.co.uk/																																																			
Sofia - OWF Export Cable	TCE	High	Up to 320kV (4 cables)	Sofia export cable is consented for up to 4 cables with no maximum capacity.	Under Construction	http://www.edf-er.com/LinkClick.aspx?fileticket=kM4l2JEXwBA%3D&portalid=1																																																			
Teesside - OWF Export Cable	TCE	High	Up to 33kV (1 cable)	Teesside export cable consists of 1 cable at a capacity of 33kV.	Operational	http://www.dongenergy.co.uk/uk-business-activities/wind-power/offshore-wind-farms-in-the-uk/lincs-offshore-wind-farm																																																			
Thanet - OWF Export Cable	TCE	High	Up to 132kV (2 cables)	Thanet export cable consists of 2 cables at a capacity of 132kV.	Operational	https://powerplants.vattenfall.com/thanet/																																																			
Triton Knoll - OWF Export Cable	TCE	High	Up to 220kV (2 cables)	Triton Knoll transmission consists of 2 cables at a capacity of 220kV.	Operational	https://uk-ireland.rwe.com/locations/triton-knoll/																																																			
Walney 1 - OWF Export Cable	TCE	High	Up to 132kV	Walney 1 export cable consists of 1 cable at a capacity of 132kV.	Operational	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514walney-1-2-webaw.ashx?la=en&rev=42cdfa99bee6471eafce19a97b07344a&hash=D461C0E55B40CF56592C440527B3E3A6																																																			
Walney 2 - OWF Export Cable	TCE	High	Up to 132kV	Walney 2 export cable consists of 1 cable at a capacity of 132kV.	Operational	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514walney-1-2-webaw.ashx?la=en&rev=42cdfa99bee6471eafce19a97b07344a&hash=D461C0E55B40CF56592C440527B3E3A6																																																			
Walney Extension - OWF Export Cable	TCE	High	Up to 220kV (2 cables)	Walney Extension export cable consists of 2 cables at a capacity of 220kV.	Operational	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms/walney-extension																																																			
West of Duddon Sands - OWF Export Cable	TCE	High	Up to 170kV (2 cables)	West of Duddon Sands export cable consists of 2 cables at a capacity of 170kV.	Operational	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms?gad=1&gclid=Cj0KCQjwpPKiBhDvARIsACn-gzAtrRyVoEmsJ92rqvf1JLWW0gyF59qoN2c343-AvHsTljq4l5SkQAaAreQEALw_wcB																																																			
Westermost Rough - OWF Export Cable	TCE	High	Up to 170kV (1 cable)	Westermost Rough export cable consists of 1 cable at a capacity of 170kV.	Operational	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms?gad=1&gclid=EA1aIQobChMIx9LI3quL_wIVcBYGAB2_MafxEAAAYASAAEgLFiPD_BwE																																																			

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Princess Elisabeth Zone Lot 2.2	Emodnet Human Activities	High	700MW	Belgium	Consenting/ Pre-Construction	Princess Elisabeth Island																																															
Princess Elisabeth Zone Lot 3	Emodnet Human Activities	High	1400MW	Belgium	Consenting/ Pre-Construction	Princess Elisabeth Island																																															
Ran Offshore Wind Farm	Emodnet Human Activities	High	1750MW	Sweden	Consenting/ Pre-Construction	Projects - OX2																																															
Vidar	Emodnet Human Activities	High	2000 MW	Sweden	Consenting/ Pre-Construction	Energy Park Vidar																																															
Vidar öst	Emodnet Human Activities	Medium	1230 MW 56 Floating Turbines	Sweden	Consenting/ Pre-Construction	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json https://www.4coffshore.com/windfarms/sweden/vidar-east-sweden-se1g.html																																															
Vindkraftpark Fyrskuppet	Emodnet Human Activities	High	2,800MW 187 turbines	Sweden	Consenting/ Pre-Construction	https://www.skybornrenewables.com/markets/sweden/local/fyrskuppet%20offshore																																															
Ymer	Emodnet Human Activities	Medium	4 GW (270 Turbines)	Sweden	Consenting/ Pre-Construction	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																															
Tier 3																																																					
Arkona Vindkraftpark	Emodnet Human Activities	High	1000MW	Denmark minimal information available	Discontinued	Arkona Offshore – Eolus																																															
Aurora	Emodnet Human Activities	High	5000MW	Sweden minimal information available	Failed proposal	The County Administrative Board gives green light to offshore wind farm Aurora off the coast of Sweden - OX2																																															
Baltic Edge	Emodnet Human Activities	Low	1000MW	Sweden minimal information available	In Planning	Baltic Edge Floating Wind Farm - Concept/Early Planning - Sweden TGS 4C 4C Offshore																																															
Baltic Offshore Alpha	Emodnet Human Activities	Low	1960MW	Sweden minimal information available	Discontinued	Alpha Floating Wind Farm - Cancelled - Sweden TGS 4C 4C Offshore																																															
Baltic Offshore Beta	Emodnet Human Activities	Low	3340MW	Sweden minimal information available	Discontinued	Sweden halts 13 offshore wind farms in the Baltic Sea due to national security concerns																																															
Baltic Offshore Delta North	Emodnet Human Activities	Low	2100MW	Sweden minimal information available	Discontinued	Sweden halts 13 offshore wind farms in the Baltic Sea due to national security concerns																																															

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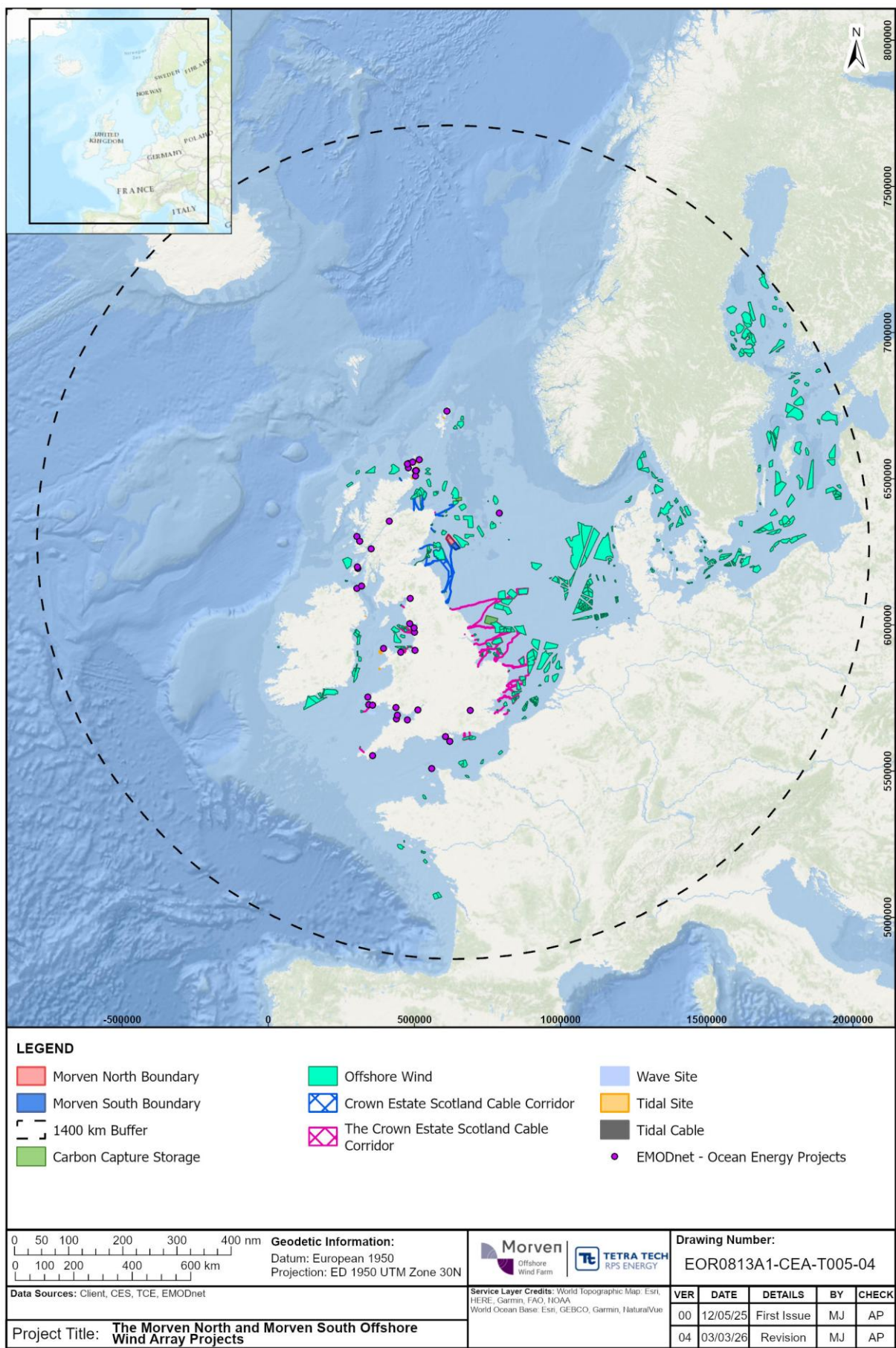
							Energy: Temporal																																																								
							Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																																																								
Project	Information in the Public Domain	Data Confidence Assessment	Capacity/ scale	Standardised Description	Status	Document referenced	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066-														
Södra Victoria	Emodnet Human Activities	Medium	2000MW	Sweeden	Discontinued	Södra Victoria Offshore Wind Farm - Failed Proposal - Sweden TGS 4C 4C Offshore																																																									
Stora Middelgrund	Emodnet Human Activities	High	864 MW	Sweden	Discontinued	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																									
Störmskar	Emodnet Human Activities	Low	2000MW	Finland	In Planning	Stormskär Floating Wind Farm - Concept/Early Planning - Finland TGS 4C 4C Offshore																																																									
Sud Atlantique I	Emodnet Human Activities	Medium	1050MW	France	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																									
Sud Atlantique II	Emodnet Human Activities	Medium	1250MW	France	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																									
Sud de la Bretagne	Emodnet Human Activities	Medium	250 MW	France	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																									
Sud de la Bretagne Extension	Emodnet Human Activities	Medium	400 - 550 MW	France	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																									
Sundsvall	Emodnet Human Activities	Low	1200MW	Sweeden	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																									
Syd kustens Vind	Emodnet Human Activities	Medium	500MW	Sweeden	Discontinued	Key project dates for Syd kustens Vind (se42) - Sweden TGS 4C 4C Offshore																																																									
Trem Mkllebugt	Emodnet Human Activities	Low	720 MW	Denmark	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																									

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							Energy: Temporal																																															
							Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																																															
Project	Information in the Public Domain	Data Confidence Assessment	Capacity/ scale	Standardised Description	Status	Document referenced	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066-					
Unnamed Finish OWF_7	Emodnet Human Activities	Low	Minimal information available	Finland	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																
Unnamed Finish OWF_8	Emodnet Human Activities	Low	Minimal information available	Finland	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																
Unnamed Finish OWF_9	Emodnet Human Activities	Low	Minimal information available	Finland	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																
Unnamed Finish OWF_10	Emodnet Human Activities	Low	Minimal information available	Finland	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																
Unnamed Finish OWF_11	Emodnet Human Activities	Low	Minimal information available	Finland	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																
Unnamed Finish OWF_12	Emodnet Human Activities	Low	Minimal information available	Finland	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																
Unnamed Finish OWF_13	Emodnet Human Activities	Low	Minimal information available	Finland	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																
Unnamed Finish OWF_14	Emodnet Human Activities	Low	Minimal information available	Finland	In Planning	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json																																																

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Apx Figure 5: Energy projects, plans and activities within 1400km of Morven North and Morven South

B.2 Cumulative effects matrix – Energy spatial and screening

Appendix B: Energy Projects - Spatial and Screening

Key	Stage 3 screening criteria
a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact assessment: Screened in to assessment.
c	Potential cumulative impact exists: Screened in to assessment.
d	No conceptual effect-receptor pathway: Screened out of assessment.
e	Low data confidence or availability: Screened out of assessment.
f	No physical effect-receptor overlap: Screened out of assessment.
g	No temporal overlap: Screened out of assessment.
h	Project has been withdrawn from development or operation: Screened out of assessment.

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health			
Offshore Wind Farms																															
United Kingdom - Wind farms within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)						North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South		
Tier 1																															
Aberdeen Offshore Wind Farm	European Demo - S36 Variation to consent	63	95	Operational	High	f	f	c	c	b	b	a	a	c	c	b	b	a	a	f	f	c	c	f	f	a	a	a	a		
INTOG: Aspen	The Aspen Project - Aspen	93	111	Application submitted/Awaiting decision	High	f	f	c	c	g	f	c	c	c	c	c	c	f	f	f	f	c	d	f	f	c	c	c	c		
Awel y Mor	https://uk-ireland.rwe.com/project-proposals/awel-y-mor/	384	376	Consented	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	a	a	a	a		
Ayre Offshore Wind Farm	https://www.thistlewindpartners.scot/bowdun/	214	246	Application submitted/Awaiting decision	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c		
Barrow	https://www.thewindpower.net/windfarm_en_1503_barrow.php	323	316	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a		
Beatrice Offshore Wind Farm - 18016	http://www.gov.scot/Resource/0041/00417203.pdf	179	214	Operational	High	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a		
Berwick Bank	eor0766_berwick_bank_offshore_eia_-_chapter_03_-_project_description.pdf	32	34	Consented	High	f	f	c	c	c	c	c	c	c	c	c	c	c	c	f	f	c	c	c	c	c	c	c	c		
Blyth Demo Phase 1	https://www.weamec.fr/en/synthesis/blyth-offshore-demonstrator-wind-farm-project/	161	149	Operational	High	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a		
Blyth Demo Phase 3	https://www.weamec.fr/en/synthesis/blyth-offshore-demonstrator-wind-farm-project/	157	144	Operational	High	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a		
Buchan	Power plant profile: Buchan Offshore Wind Project, UK (power-technology.com)	149	178	Application submitted/Awaiting decision	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c		
Burbo Bank	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514_ps_burbo-bank-web_aw.ashx?la=en&rev=fb2686e48e004d12b0e04a14dfc82696&hash=DD9E2352B14C817CA78895DC2FCE013	371	363	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a		

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Burbo Bank Extension	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514_ps_burbo-bank-extension-web_aw.ashx?la=en&rev=704980bb76be4f66b08c39b2ac0ce565&hash=249AF9E2446AF47A46F41D5F15F3FB82	372	364	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Caledonia North Offshore Wind Farm	Volume-1-Chapter-5-Proposed-Development-Phasing.pdf	160	195	Application submitted/Awaiting decision	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Caledonia South Offshore Wind Farm	Volume-1-Chapter-5-Proposed-Development-Phasing.pdf	146	181	Application submitted/Awaiting decision	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
INTOG: Cenosis	cenosis_eia_vol_2_-_chapter_5_-_project_description_redacted_0.pdf	130	124	Application submitted/Awaiting decision	High	f	f	c	c	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
INTOG: Culzean Demo	Scoping Report	168	163	Under Construction	High	f	f	c	c	f	f	a	a	c	c	c	c	f	f	f	f	d	d	f	f	a	a	c	c
Dogger Bank A (Creyke Beck A)	https://www.sserenewables.com/offshore-wind/projects/dogger-bank/	252	227	Under Construction	High	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Dogger Bank B (Creyke Beck B)	https://www.sserenewables.com/offshore-wind/projects/dogger-bank/	225	200	Under Construction	High	f	f	d	d	f	f	a	a	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Dogger Bank C	https://www.sserenewables.com/offshore-wind/projects/dogger-bank/	269	245	Under Construction	High	f	f	d	d	f	f	a	a	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Dogger Bank South (East and West)	https://doggerbanksouth.co.uk/current-status/ https://doggerbanksouth.co.uk/assets/images/pdf/Dogger-Bank-South-Non-Technical-Summary-June-2025.pdf http://www.edf-er.com/LinkClick.aspx?fileticket=kM4I2JEXwBA%3D&nortalid=1	248	224	Application submitted/Awaiting decision	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Dudgeon	https://dudgeonoffshorewind.co.uk/	391	372	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Dudgeon Extension Project	https://www.power-technology.com/marketdata/power-plant-profile-dudgeon-offshore-wind-farm-extension-project-uk/	383	364	Under Construction	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
East Anglia 1	https://www.scottishpowerrenewables.com/pages/east_anglia_one_background.aspx	523	502	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
East Anglia 1 North	https://www.scottishpowerrenewables.com/pages/east_anglia_one_north.aspx	507	486	Under Construction	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
East Anglia 2	https://www.scottishpowerrenewables.com/pages/east_anglia_two.aspx	487	465	Under Construction	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
East Anglia 3	https://www.scottishpowerrenewables.com/pages/east_anglia_three.aspx	514	494	Under Construction	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Erebus Floating Wind Demo	https://www.principlepower.com/projects/erebus	642	635	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	a	a	a	a
European Offshore Wind Deployment Centre - Previously Aberdeen Demo	https://group.vattenfall.com/uk/what-we-do/our-projects/european-offshore-wind-deployment-centre	63	95	Operational	High	f	f	c	c	b	b	a	a	c	c	b	b	f	f	f	f	c	c	f	f	a	a	a	a
Five Estuaries	https://uk-ireland.rwe.com/project-proposals/five-estuaries/ https://www.gov.uk/government/news/five-estuaries-offshore-wind-farm-development-consent-decision-announced	547	528	Consented	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Forthwind Demonstration Project	https://www.power-technology.com/marketdata/forthwind-offshore-wind-demonstration-project-uk/	129	136	Consented	Medium	f	f	c	c	f	f	a	a	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Gallopier	https://gallopierwindfarm.com/about-gallopier/#construction	544	525	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Greater Gabbard	https://www.sserenewables.com/offshore-wind/operational-wind-farms/greater-gabbard/	545	526	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Green Volt Floating Offshore Wind Farm	https://greenvoltfloatingwind.com/	103	128	Consented	High	f	f	c	c	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Gunfleet Sands 1	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514_gunfleet-sands-web_aw.ashx?la=en&rev=363dbb3179f340ff9bdb5b23a512d37a&hash=5f4c45df5f670cd7f041cfbe87543b50	555	537	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Gunfleet Sands 2	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514_gunfleet-sands-web_aw.ashx?la=en&rev=363dbb3179f340ff9bdb5b23a512d37a&hash=5f4c45df5f670cd7f041cfbe87543b50	557	538	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Gunfleet Sands 3 Demo	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514_gunfleet-sands-web_aw.ashx?la=en&rev=363dbb3179f340ff9bdb5b23a512d37a&hash=5f4c45df5f670cd7f041cfbe87543b50	323	302	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Gwynt y Mor	https://www.power-technology.com/projects/gwynt-y-mor-offshore-wind-farm-north-wales/	350	326	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Hornsea 1	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms/hornsea1	381	374	Operational	High	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Hornsea Project 2	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms?gad=1&gclid=EAlaIqOBChMxLfrlqL_wlVEpRoCR1MeAEgEAAyASAAEgJ3ZvD_BwE	334	312	Operational	High	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Hornsea Project 3	https://hornseaproject3.co.uk/about-the-project	323	302	Under Construction	High	f	f	d	d	f	f	a	a	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Hornsea Project 4	Orsted to discontinue the Hornsea 4 offshore wind project in its current form	297	277	Consented	Low	f	f	d	d	f	f	h	h	c	c	h	h	f	f	f	f	d	d	f	f	h	h	h	h
Humber Gateway	https://uk-ireland.rwe.com/locations/humber-gateway-offshore-wind-farm/	288	268	Operational	Medium	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Hywind (Buchan Deep Demo)	https://windeurope.org/newsroom/news/a-breakthrough-for-offshore-wind-worlds-first-floating-wind-farm-opens-in-scotland/	64	97	Operational	High	f	f	c	c	b	b	a	a	c	c	b	b	a	a	f	f	c	c	f	f	a	a	a	a
Inch Cape Offshore Wind Farm	https://www.inchcapewind.com/inch-cape-wind-farm-granted-consent-for-improved-offshore-proposal/	61	70	Under Construction	High	f	f	c	c	f	f	a	a	c	c	c	c	c	c	f	f	c	c	f	f	a	a	a	a
Inner Dowsing	https://www.power-technology.com/projects/lynnandinnerdowsing/	384	366	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Kentish Flats	https://powerplants.vattenfall.com/kentish-flats/	583	565	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Kentish Flats Extension	https://powerplants.vattenfall.com/kentish-flats-extension/	583	565	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Kincardine Offshore Windfarm	https://www.principlepower.com/projects/kincardine-offshore-wind-farm ; https://www.grupocobra.com/en/proyecto/kincardine-offshore-floating-wind-farm/171543/S36 Application to vary consent under section 36C of the Electricity Act 1989 for the Kincardine Offshore Windfarm Kincardine Offshore Windfarm 15km SE Of Aberdeen North Sea	43	72	Operational	High	f	f	c	c	c	d	a	a	c	c	b	b	a	a	f	f	c	c	c	f	a	a	a	a

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Lincs	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms?gad=1&gclid=EAlaQobChMI7C0rpqL_wlVmotoCR00ZwD5EAAyASAAEgICSvD_BwE	381	364	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
London Array	https://londonarray.com/	565	547	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Lynn	http://www.renewables-map.co.uk/project.asp?pageid=2018&pagename=Lynn%20Wind%20Farm	391	374	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Methil Demo	7MW Levenmouth Demonstration Turbine - ORE (catapult.org.uk)	129	136	Operational	High	f	f	g	g	f	f	g	g	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Mona Offshore Wind Project	Welcome - Morecambe Offshore Windfarm Limited and Morgan Offshore Wind Limited (morecambeandmorgan.com)	354	350	Consented	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Moray Offshore Windfarm (East) - 66600014	https://www.oceanwinds.com/projects/moray-east/	163	198	Operational	High	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Moray Offshore Windfarm (West) - 66600008	https://www.oceanwinds.com/projects/moray-west/	163	198	Operational	High	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Morecambe Offshore Wind Farm	Welcome - Morecambe Offshore Windfarm Limited and Morgan Offshore Wind Limited (morecambeandmorgan.com) https://national-infrastructure-consenting.planninginspectorate.gov.uk/projects/EN010121	347	340	Consented	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Morgan Offshore Wind Project	Welcome - Morecambe Offshore Windfarm Limited and Morgan Offshore Wind Limited (morecambeandmorgan.com)	339	334	Discontinued	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	c	c	h	h
Morven North Offshore Wind Array Project	Morven North Project Design Envelope (PDE)	n/a	0	Application submitted/Awaiting decision	High	a	c	c	c	a	a	c	c	c	c	c	c	f	f	a	c	d	c	c	c	c	c	c	c
Morven South Offshore Wind Array Project	Morven North Project Design Envelope (PDE)	0	n/a	Application submitted/Awaiting decision	High	c	a	c	c	a	a	c	c	c	c	c	c	f	f	c	a	c	d	c	c	c	c	c	c
Muir Mhor Offshore Wind Farm	Power plant profile: Mara Mhor Floating Offshore Wind Project, UK (power-technology.com)	58	77	Application submitted/Awaiting decision	High	f	f	c	c	c	c	c	c	c	c	c	c	c	c	f	f	c	c	f	f	c	c	c	c
Neart Na Gaoithe Offshore Wind - 66600019	https://www.edf-re.uk/our-sites/neart-na-gaoithe/	80	85	Operational	High	f	f	c	c	f	f	a	a	c	c	b	b	a	a	f	f	c	c	f	f	a	a	a	a
Norfolk Boreas Offshore Windfarm	https://group.vattenfall.com/uk/what-we-do/our-projects/vattenfallinnorfolk/norfolk-boreas	451	427	Under Construction	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Norfolk Vanguard East Offshore Windfarm	https://group.vattenfall.com/uk/what-we-do/our-projects/vattenfallinnorfolk/norfolk-vanguard	453	431	Under Construction	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Norfolk Vanguard West Offshore Windfarm	https://group.vattenfall.com/uk/what-we-do/our-projects/vattenfallinnorfolk/norfolk-vanguard	453	431	Under Construction	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
North Falls	North Falls Offshore Wind Farm	540	522	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
North Hoyle	https://www.thewindpower.net/windfarm_en_7391_north-hoyle.php	385	377	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Ormonde	https://www.renewable-technology.com/projects/ormonde-offshore-wind-farm-irish-sea/	318	312	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Ossian	https://www.crownstatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations	9	5	Application submitted/Awaiting decision	High	c	c	c	c	c	c	c	c	c	c	c	c	c	c	f	f	c	c	c	c	c	c	c	c

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Outer Dowsing	EN010130-000349-6.1 Non-Technical Summary.pdf	354	335	Consented	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	c	c
Pentland Floating Offshore Wind	https://pentlandfloatingwind.com/the-project/#offshore https://cop.dk/pentland-floating-offshore-wind-farm-secures-contract-for-difference-cfd/	253	288	Under Construction	High	f	f	d	d	f	f	a	a	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Race Bank	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190423_ps_race-bank_a5-8pp-web_aw_v3.ashx?la=en&rev=c32b3aad49ec466f97f3b88a5a29b7fb&hash=E3B1E23FC8B04D99326CDC8600684323	377	358	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Rampion	https://www.rampionoffshore.com/	655	639	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Rampion 2 (Rampion Extension)	https://rampion2.com/consultation-proposals-2023-bolney/	656	640	Under Construction	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Rhyl Flats	https://www.awjmarine.co.uk/fishery-liaison/rhyl-flats-wind-farm/	395	387	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Robin Rigg East	https://uk-ireland.rwe.com/locations/robin-rigg-offshore-wind-farm/	264	262	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Robin rigg West	https://uk-ireland.rwe.com/locations/robin-rigg-offshore-wind-farm/	268	265	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
INTOG: Salamander	AD.A.5 Offshore Planning Statement	75	106	Consented	High	f	f	c	c	f	f	c	c	c	c	c	c	c	c	f	f	c	d	f	f	a	a	c	c
Scroby Sands	https://uk-ireland.rwe.com/locations/scroby-sands-offshore-wind-farm/	469	450	Operational	High	f	f	g	g	f	f	g	g	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Seagreen 1	https://www.sserenewables.com/offshore-wind/projects/seagreen/	25	35	Operational	High	c	f	c	c	b	b	a	a	c	c	b	b	a	a	f	f	c	c	c	c	a	a	a	a
Seagreen 1A	A4 Report with Paragraph Numbering	41	52	Consented	High	f	f	c	c	c	c	a	a	c	c	c	c	d	d	f	f	c	c	c	f	a	a	c	c
Sheringham Shoal	http://sheringhamshoal.co.uk/	400	381	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Sheringham Shoal Extension	http://sheringhamshoal.co.uk/extensionproject/offshore-location	393	374	Under Construction	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Sofia	https://sofiawindfarm.com/project/#Timeline	248	224	Under Construction	High	f	f	d	d	f	f	a	a	c	c	c	c	f	f	f	f	d	d	f	f	a	a	a	a
Teesside	https://www.edf-re.uk/our-sites/teesside/	214	200	Operational	High	f	f	d	d	f	f	a	a	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Thanet	https://powerplants.vattenfall.com/thanet/	593	575	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Triton Knoll	https://uk-ireland.rwe.com/locations/triton-knoll/	355	337	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Walney 1	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514walney-1--2-webaw.ashx?la=en&rev=42cdfa99bee6471eafce19a97b07344a&hash=D461C0E55B40CF56592C440527B3E3A6	324	318	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Walney 2	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514walney-1--2-webaw.ashx?la=en&rev=42cdfa99bee6471eafce19a97b07344a&hash=D461C0E55B40CF56592C440527B3E3A6	322	317	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Walney Extension (Walney 3 & 4/ Walney Extension East & West)	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms/walney-extension	325	319	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Wave Hub	https://www.hexicongroup.com/mfn_news/hexicon-completes-wave-hub-ltd-acquisition-for-offshore-floating-wind-technology-demonstrator/	755	747	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a

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West of Duddon Sands	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms?gad=1&gclid=Cj0KCQjwpPKiBhDvARIsACn-gzAtrRyVoEmsJ92rqvf1JLWW0gyF59qoN2c343-AvHsTljeq4l5SkQAaAreQEALw_wcB	325	319	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	a	a	a	a
West of Orkney Wind Farm	Scoping Report (westoforkney.com)	276	311	Consented	High	f	f	d	d	f	f	f	f	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Westermost Rough	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms?gad=1&gclid=EAlaIqobChMlx9LI3quL_wlVcBYGAB2_MAfxEAAAYASAAEgLFiPD_BwE	312	294	Operational	High	f	f	d	d	f	f	f	f	c	c	b	b	f	f	f	f	d	d	f	f	a	a	a	a
Tier 2																													
Arven	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations	366	390	Consenting/Pre-Construction	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Bellrock Offshore Wind Farm	Home - Bellrock Wind	37	35	Consenting/Pre-Construction	High	f	f	c	c	c	c	c	c	c	c	c	c	c	c	f	f	c	c	c	c	c	c	c	c
Broadshore	Power plant profile: Broadshore, UK (power-technology.com)	141	174	Consenting/Pre-Construction	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Bowdun	https://www.thistlewindpartners.scot/bowdun/	10	44	Consenting/Pre-Construction	High	c	f	c	c	c	c	c	c	c	c	c	c	c	c	f	f	c	c	c	c	c	c	c	c
CampionWind	Shell hands back ScotWind lease risking £3bn of Scottish investment amid 'fierce headwinds'	67	68	Discontinued	High	f	f	c	c	f	f	h	h	e	e	c	c	h	h	f	f	c	c	f	f	c	c	h	h
Dogger Bank D	https://doggerbankd.com/	214	214	Consenting/Pre-Construction	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
MarramWind	Power plant profile: Marram Wind Offshore Project, UK (power-technology.com)	125	150	Consenting/Pre-Construction	High	f	f	c	c	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Machairwind	Timeline - ScottishPower Renewables	331	346	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	c	c	c	c
INTOG: Scaraben	Scaraben Offshore Wind Harnessing the vast potential of floating offshore wind for the good of our planet	145	177	Consenting/Pre-Construction	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
ScotWind 1, Site 18: Arven	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations	362	388	Consenting/Pre-Construction	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
ScotWind 1, Site 15: Talisk Offshore Wind:	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations	372	403	Consenting/Pre-Construction	High	f	f	d	d	f	f	c	c	d	d	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Stromar	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations	175	208	Consenting/Pre-Construction	High	f	f	d	d	f	f	c	c	c	c	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Tier 3																													
Eastern Regions Zone	https://www.greeninvestmentgroup.com/en/news/2021/gig-and-total-successful-in-securing-seabed-lease-rights-to-jointly-develop-1-point-5-gw-offshore-wind-project.html	335	335	Consenting/Pre-Construction	Low	f	f	d	d	f	f	e	e	e	e	c	c	f	f	f	f	d	d	f	f	c	c	e	e
Havbredey	Havbredey – Northland Power ScotWind	328	361	Consenting/Pre-Construction	High	f	f	d	d	f	f	c	c	e	e	c	c	f	f	f	f	d	d	f	f	c	c	c	c
INTOG: Sinclair	Power plant profile: Sinclair Floating Offshore Wind Project, UK	148	181	Consenting/Pre-Construction	Medium	f	f	g	g	f	f	c	c	e	e	c	c	f	f	f	f	d	d	f	f	c	c	c	c
INTOG: Flora	https://marine.gov.scot/ml/malin-sea-wind	63	94	Consenting/Pre-Construction	High	f	f	c	c	c	c	c	c	e	e	c	c	c	c	f	f	c	c	f	f	c	c	c	c
INTOG: Malin Sea Wind	https://marine.gov.scot/ml/flora-offshore-wind-farm	366	376	Consenting/Pre-Construction	High	f	f	g	g	f	f	f	f	e	e	c	c	f	f	f	f	d	d	f	f	c	c	c	c
INTOG: Beech	» Cerulean Winds » North Sea Renewables Grid (NSRG) » Floating Wind »	188	189	Consenting/Pre-Construction	High	f	f	c	c	f	f	c	c	e	e	c	c	f	f	f	f	d	d	f	f	c	c	c	c

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INTOG: Cedar	https://www.offshorewindscotland.org.uk/the-offshore-wind-market-in-scotland/intog-leasing-round/	89	85	Consenting/Pre-Construction	High	f	f	c	c	c	c	c	c	e	e	c	c	c	c	f	f	c	c	f	f	c	c	c	c
INTOG: HE South (Judy)	https://www.offshorewindscotland.org.uk/the-offshore-wind-market-in-scotland/intog-leasing-round/	168	163	Consenting/Pre-Construction	High	f	f	d	d	f	f	c	c	e	e	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Northland Mhairi Offshore Wind Farm	https://www.4coffshore.com/windfarms/united-kingdom/machairwind-united-kingdom-uk6o.html	328	361	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	c	c	e	e	c	c	f	f	f	f	d	d	f	f	c	c	c	c
ScotWind 1, Site 13: Offshore Wind Power Fixed (west of Orkney)	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations	276	311	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	e	e	c	c	f	f	f	f	d	d	f	f	c	c	c	c
ScotWind 1, Site 20: ESB Asset Development: Stoura	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations	395	420	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	e	e	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Northland Sheena Offshore Wind Farm (Spiorad na mara)	https://www.crownestatescotland.com/news/scotwind-offshore-wind-leasing-delivers-major-boost-to-scotlands-net-zero-aspirations	370	398	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	e	e	c	c	f	f	f	f	d	d	f	f	c	c	c	c
Belgium - Wind farms within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)																													
Tier 1																													
Belwind phase 1	Parkwind Belwind	594	574	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Belwind phase 2 (Nobelwind) (Zone 1)	Power plant profile: Belwind (Bligh Bank) II, Belgium (power-technology.com)	594	573	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
C-Power	C-Power completes first wind farm in the Belgian North Sea - Marguerite	592	592	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
C-Power (Zone B)	C-Power completes first wind farm in the Belgian North Sea - Marguerite	612	592	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Mermaid	SeaMade Offshore Wind Farm, North Sea, Belgium (power-technology.com)	569	569	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Norther	Norther Offshore Wind Farm, Belgium EEZ (power-technology.com)	614	593	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Northwester 2	Northwester 2 Offshore Wind Farm,North Sea, Belgium (power-technology.com)	593	573	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Northwind	https://itportal.beis.gov.uk/EIP/pages/projects/Humber%20Gateway%20Offshore%20Wind%20Farm%20Consent%20Final.pdf	583	583	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Rentel	Rentel Offshore Wind Farm, Belgian North Sea (power-technology.com)	607	587	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
SeaMade	SeaMade Offshore Wind Farm, North Sea, Belgium (power-technology.com)	600	580	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Denmark - Wind farms within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)																													
Tier 1																													
Horns Rev I	https://powerplants.vattenfall.com/horns-rev/	547	528	Operational	High	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Horns Rev II	https://www.windpowermonthly.com/article/1663417/horns-rev-1-2-3-three-generations-turbine-output-analysed	529	510	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Horns Rev III	https://www.windpowermonthly.com/article/1663417/horns-rev-1-2-3-three-generations-turbine-output-analysed	525	507	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Nissum Bredning	https://www.thewindpower.net/windfarm_en_16856_nissum-bredning.php	550	536	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Rønland	https://en.wikipedia.org/wiki/R%C3%B8nland_Offshore_Wind_Farm	535	535	Operational	Medium	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Thor - 2020 Tender	https://www.offshorewind.biz/2020/03/31/danes-detail-thor-offshore-wind-farm-tender/	489	489	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Vesterhav Nord	https://www.power-technology.com/projects/vesterhav-nord-and-syd-offshore-wind-project-north-sea-denmark/	537	523	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Vesterhav Syd	https://www.power-technology.com/projects/vesterhav-nord-and-syd-offshore-wind-project-north-sea-denmark/	540	523	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Tier 3																													
Energiø Nordsøen	https://northseaenergyisland.dk/en	412	412	Discontinued	High	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Nordsøen I (A1, A2, A3)	https://web.archive.org/web/20230406060144/https://ens.dk/en/press/public-hearing-concerning-strategic-environmental-assessment-plan-offshore-wind-farms-nordsoen	477	459	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Nordsøen II	https://www.4coffshore.com/windfarms/denmark/nords%c3%b8en-ii---screened-area---island-connection-denmark-dk49.html	444	426	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Nordsøen III	Nordsøen I - A3 (dk0o) Offshore Wind Farm - Development Zone - Denmark 4C Offshore	434	420	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
France - Wind farms within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)																													
Tier 1																													
Courseulles-sur-mer	Calvados Offshore Wind Project - Enbridge Inc. https://energymagz.com/37527/edf-delays-french-offshore-wind-project-to-2027-amid-technical-and-weather-challenges/	787	772	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Dieppe Le Tréport	Dieppe Le Tréport offshore wind farm reaches Final Investment Decision and starts construction. - Ocean Winds https://www.power-technology.com/data-insights/power-plant-profile-dunkirk-offshore-wind-farm-france/	721	704	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Dunkerque	https://www.power-technology.com/data-insights/power-plant-profile-dunkirk-offshore-wind-farm-france/	635	616	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Fécamp	Fécamp Offshore Wind Project - Enbridge Inc.	739	723	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Tier 3																													
Centre-Manche 1	https://www.offshorewind.biz/2023/03/27/breaking-france-selects-edf-and-maple-power-to-build-1-gw-offshore-wind-farm/	737	721	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Centre-Manche 2	https://www.power-technology.com/data-insights/power-plant-profile-centre-manche-2-wind-offshore-project-france/	735	719	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Germany - Wind farms within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)																													
Tier 1																													
Albatros	http://www.gov.scot/Resource/0046/00460530.pdf	500	477	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Alpha Ventus	https://www.alpha-ventus.de/english	550	527	Operational	high	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Amrumbank West	https://www.rwe.com/en/the-group/countries-and-locations/amrumbank-west-offshore-wind-farm/	579	557	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
BARD Offshore 1	http://www.seagreenwindenergy.com/offshore-scoping-phases2and3.asp	492	469	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Borkum Riffgrund 1	https://www.power-technology.com/projects/borkum-riffgrund-1-offshore-wind-farm/	546	523	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Borkum Riffgrund 2	https://www.power-technology.com/projects/borkum-riffgrund-2-offshore-windfarm-north-sea/	543	520	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Borkum Riffgrund 3	https://www.power-technology.com/projects/borkum-riffgrund-3-offshore-wind-farm-north-sea-germany/ ; https://www.offshorewind.biz/2019/09/10/orsted-bundles-german-offshore-wind-projects/	520	497	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Butendiek	https://www.owp-butendiek.de/	561	541	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
DanTysk	http://www.gov.scot/Resource/0046/00460530.pdf	519	499	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Deutsche Bucht	http://sheringhamshoal.co.uk/downloads/2014_11_24%20application%20letter.pdf	487	463	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
EnBW He dreiht	https://www.enbw.com/renewable-energy/wind-energy/our-offshore-wind-farms/he_dreih/	477	477	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EnBW Hohe See	https://itportal.beis.gov.uk/EIP/pages/projects/EDFNConsent.pdf	505	482	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
GlobalTech I	http://sheringhamshoal.co.uk/downloads/2014_11_24%20application%20letter.pdf	503	481	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gode Wind 01	https://www.power-technology.com/projects/gode-wind-1-and-2-offshore-wind-farms/	566	544	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gode Wind 02	https://www.power-technology.com/projects/gode-wind-1-and-2-offshore-wind-farms/	565	542	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gode Wind 3	https://www.power-technology.com/projects/gode-wind-3-offshore-wind-farm-north-sea-germany/	573	550	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Kaskasi II	https://www.power-technology.com/projects/kaskasi-offshore-wind-farm-north-sea-germany/	581	559	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Meerwind Sued/Ost	https://www.power-technology.com/projects/meerwind-sdost-wind-project-north-sea/	586	565	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Merkur Offshore (MEG Offshore I)	http://sheringhamshoal.co.uk/downloads/2014_11_24%20application%20letter.pdf	543	520	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
N-3.5	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	559	536	Under Construction	Medium	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-3.6	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	554	531	Under Construction	Medium	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-3.7	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	572	550	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-3.8	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	558	535	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Nordergruende	https://www.power-technology.com/projects/nordergrunde-offshore-windfarm/	647	624	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Nordsee One	https://www.nordseeone.com/	560	537	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Nordsee Ost	https://www.rwe.com/en/the-group/countries-and-locations/nordsee-ost-offshore-wind-farm/	582	561	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Riffgat	https://www.power-technology.com/marketdata/power-plant-profile-riffgat-germany/	564	540	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Sandbank	http://www.bobleroi.co.uk/ScrapBook/RedSandsRadio_15/ThanetNTSlr.pdf	495	475	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Trianel Windpark Borkum Phase 1	https://itportal.beis.gov.uk/EIP/pages/projects/EDFNConsent.pdf	536	513	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Trianel Windpark Borkum Phase 2	https://www.offshorewind.biz/2020/07/03/trianel-windpark-borkum-ii-commissioned/	538	515	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Veja Mate	https://itportal.beis.gov.uk/EIP/pages/projects/EDFNConsent.pdf	489	466	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Tier 3																													
N-10.1	https://www.power-technology.com/data-insights/power-plant-profile-n-10-1-offshore-wind-project-germany/	483	461	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-10.2	https://www.power-technology.com/data-insights/power-plant-profile-n-10-2-offshore-wind-project-germany/	468	445	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-6.6	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	494	471	Consenting/Pre-Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-6.7	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	485	461	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-7.2	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	506	483	Consenting/Pre-Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-9.1	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	476	453	Consenting/Pre-Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-9.2	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	475	453	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-9.3	https://www.windguard.com/half-year-2022.html?file=files/cto_layout/img/unternehmen/windenergiestatistik/2022/Status%20of%20Offshore%20Wind%20Energy%20Development_First%20Half%202022.pdf	468	445	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-9.4	https://www.power-technology.com/marketdata/power-plant-profile-n-9-4-offshore-wind-project-germany/	468	445	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Netherlands - Wind farms within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)																													
Tier 1																													
Borssele	https://www.noordzeeloket.nl/en/functions-and-use/offshore-wind-energy/free-passage-shared-use/borssele-wind-farm-zone/	590	569	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Borssele Kavel* I	https://english.rvo.nl/information/offshore-wind-energy/borssele-wind-farm-sites-i-ii	592	571	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Borssele Kavel* II	https://english.rvo.nl/information/offshore-wind-energy/borssele-wind-farm-sites-i-ii	602	581	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Borssele Kavel* III	https://www.power-technology.com/projects/borssele-iii-iv-offshore-wind-farm/	596	576	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Borssele Kavel* IV	https://www.power-technology.com/projects/borssele-iii-iv-offshore-wind-farm/	590	569	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Borssele Kavel* V	https://sif-group.com/en/products-services/references/borssele-5-van-oord/	599	578	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
HKN Kavel V	https://www.rvo.nl/onderwerpen/windenergie-op-zee/hollandse-kust-noord-kavel-v	539	514	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology	Fish & Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Aviation (Military and Civil)	Other Sea Users	Socio-economics	Human Health											
HKW Kavel VI	Hollandse Kust West Wind Farm - Site VI - Wind & water works	496	496	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
HKW Kavel VII	Hollandse Kust West Wind Farm - Site VI - Wind & water works	501	501	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Hollandse Kust (Noord)	https://www.crosswindhkn.nl/nl/ ; https://www.eneco.com/wat-we-doen/duurzame-bronnen/windpark-hollandse-kust-noord/	538	512	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Hollandse Kust (West)	https://english.rvo.nl/information/offshore-wind-energy/hollandse-kust-west-wind-farm-zone/ ; https://www.noordzeeloket.nl/en/functions-and-use/offshore-wind-energy/free-passage-shared-use/hollandse-kust-west-wind-farm-zone/	552	529	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Hollandse Kust (Zuid) (Kavel I - IV)	https://www.power-technology.com/projects/hollandse-kust-zuid-wind-farm-north-sea/ ; noordzeeloket.nl/en/functions-and-use/offshore-wind-energy/free-passage-shared-use/hollandse-kust-zuid-wind-farm-zone-including/	563	539	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Egmond aan Zee	http://www.gov.scot/Resource/0046/00460530.pdf	531	531	Operational	High	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gemini I Buitengaats	https://itportal.beis.gov.uk/EIP/pages/projects/EDFNConsent.pdf	515	491	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gemini II ZeeEnergie	http://sheringhamshoal.co.uk/downloads/2014_11_24%20application%20letter.pdf	507	483	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Princess Amalia	http://www.bobleroi.co.uk/ScrapBook/RedSandsRadio_15/ThanetNTSlr.pdf	552	527	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Eneco Luchterduinen	https://www.4coffshore.com/windfarms/netherlands/eneco-luchterduinen-netherlands-nl32.html	567	543	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Tier 3																													
IJmuiden Ver	https://english.rvo.nl/information/offshore-wind-energy/ijmuiden-ver-wind-farm-zone	463	463	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Ijmuiden Ver Noord	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sorceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	457	457	Consenting/Pre-Construction	Low	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Ten Noorden van de Waddeneilanden	https://english.rvo.nl/information/offshore-wind-energy/ten-noorden-van-de-waddeneilanden-wind-farm-zone/ ; https://www.4coffshore.com/windfarms/netherlands/ten-noorden-van-de-waddeneilanden-netherlands-nl0p.html#:~:text=20%20Mar%202023%3A%20The%20site,should%20be%20operational%20around%202031	480	456	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Ireland - Wind farms within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)																													
Tier 1																													
Arklow Bank Phase 1	Arklow Bank Wind Park SSE Renewables	530	527	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Arklow Bank Phase 2	https://www.sserenewables.com/offshore-wind/projects/arklow-bank-wind-park/	518	515	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Oriel Wind Farm	https://parkwind.orielwindfarm-marineplanning.ie/data/files/Planning%20Documents/Planning%20Particulars/Oriel%20Wind%20Farm%20Project%20-%20An%20Bord%20Pleanala%20Cover%20Letter.pdf	437	437	Application submitted/Awaiting decision	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Tier 3																													

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Clogherhead	https://www.power-technology.com/marketdata/power-plant-profile-clogherhead-ireland/?cf-view	442	441	Consenting/Pre-Construction	Low	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Codling Wind Park	https://www.power-technology.com/news/codling-cow-foundation-design/?cf-view	490	490	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Codling Wind Park Extension	https://fredolsenrenewables.com/windfarm-collection/ireland/codling-bank-ii/	497	493	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Cooley Point	https://www.power-technology.com/marketdata/cooley-point-offshore-wind-farm-ireland/?cf-view	433	433	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Dublin Array	Timeline - Dublin Array	481	481	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Emerald Project	https://www.nsenegybusiness.com/projects/emerald-floating-wind-project-ireland-celtic-sea/	710	708	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Inis Ealga Marine Energy Park	https://www.power-technology.com/data-insights/power-plant-profile-inis-ealga-fow-offshore-wind-farm-ireland/	672	669	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Kilmichael Point	https://www.power-technology.com/data-insights/power-plant-profile-kilmichael-point-offshore-wind-farm-ireland/	528	524	Discontinued	Medium	f	f	d	d	f	f	h	h	d	d	f	f	f	f	f	f	d	d	f	f	f	f	f	f
Magnora Offshore Wind	https://www.magnoraoffshorewind.com/2022/01/17/magnora-offshore-wind-successful-application-in-scotwind-leasing-round/	372	403	In Planning	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Moneypoint Floating Offshore Wind Farm	https://www.power-technology.com/marketdata/power-plant-profile-moneypoint-floating-offshore-wind-farm-ireland/?cf-view	465	464	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
North Celtic Sea	Power plant profile: North Celtic Sea Wind Project, Ireland (power-technology.com)	632	629	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
North Irish Sea Array (NISA)	Power plant profile: NISA Offshore Demonstration Project, Ireland (power-technology.com)	437	437	Under Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Sceirde (Skerd) Rocks	https://www.power-technology.com/marketdata/skerd-rocks-ireland/	679	684	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Setanta Wind Park	Braymore Point Offshore Wind Project, Ireland (power-technology.com)	434	434	Consenting/Pre-Construction	Low	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
South Irish Sea Project	https://www.power-technology.com/data-insights/power-plant-profile-south-irish-sea-project-ireland/#:~:text=South%20Irish%20Sea%20Project%20is,developed%20in%20a%20single%20phase.	524	520	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Tidal Farms																													
United Kingdom - Tidal farms within 800 km of Morven North and Morven South																													
Tier 1																													
Anglesey (Morlais)	Project Consenting Info ORJIP	422	417	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Bluemull Sound (Shetland)	INNOVATION (marine.gov.scot)	422	450	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Brough Ness	Marine Renewables in the Pentland Firth and Orkney Waters » Brough Ness	230	264	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Deer Sound, Orkney - 66600023 (Seabed)	https://marine.gov.scot/sites/default/files/supporting_information_0.pdf	250	284	Operational	High	f	f	d	d	f	f	e	e	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
EMEC Fall of Wariness - 4614	https://tethys.pnnl.gov/project-sites/emec-fall-wariness-grid-connected-tidal-test-site	267	300	In Planning	High	f	f	d	d	f	f	c	c	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
EMEC Shapinsay Sound - 10829	https://itportal.beis.gov.uk/EIP/pages/projects/EDFNConsent.pdf	255	289	Operational	High	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Eynhallow Sound (Orkney)	0	277	311	Operational	Low	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Fair Head (north coast of County Antrim)	Project Consenting Info ORJIP	350	357	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Flex Marine Power Ltd	https://crown-estate-scotland-spatial-hub-coregis.hub.arcgis.com/search?tags=tidal%2Cenergy%2520%2526%2520infrastructure%2520map%2Cwave	320	332	Under Construction	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	c	c
Holyhead Deep	Marine Works (EIA) Regulations 2007 (as amended), Regulation 22 - EIA Consent Decision	437	432	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Holyhead Deep 0.5MW Site	https://minesto.com/wp-content/uploads/2022/12/dg500-mnt-520-pln-0003_decommissioning_plan_b01.pdf Minesto Holyhead Deep	440	436	decommissioned	High	f	f	d	d	f	f	g	g	d	d	f	f	f	f	f	f	d	d	f	f	d	d	d	d
Inner Sound - 15827	MeyGen Tidal Energy Project - Phase I Tethys (pnnl.gov)	228	263	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Milford Haven Estuary (META Phase 2) - Dale Roads	'Milestone' West Wales Green Hydrogen Production Project is One of the First in the UK	606	599	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Milford Haven Estuary (META Phase 2) - East Pickard Bay	'Milestone' West Wales Green Hydrogen Production Project is One of the First in the UK	611	603	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Milford Haven Estuary (META Phase 2) - Warrior Way	'Milestone' West Wales Green Hydrogen Production Project is One of the First in the UK	602	594	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Noth Yell (Shetland)	World first with Yell tidal generator The Shetland Times Ltd	423	451	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Orkney Islands	The Project – Orkney Community Wind Farms	245	279	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Sound of Islay	Project Consenting Info ORJIP TIDAL ENERGY CENTRE PLANS TO BE OPERATIONAL 'BY 2025' - Island Echo - 24hr news, 7 days a week across the Isle of Wight	318	330	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
St Catherine's Point (Isle of Wight)		671	656	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
St David's Head (Pembrokeshire)	Microsoft Word - ~qw81C (marineenergywales.co.uk)	593	587	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Yarmouth Harbour (Isle of Wight)	Yarmouth-Harbour-data-pack-EN.pdf	654	640	decommissioned	Medium	f	f	d	d	f	f	f	f	d	d	f	f	f	f	f	f	d	d	f	f	d	d	d	d
Tier 2																													
Connel Sound (Oban)	SME installs PLAT-I tidal platform - Offshore Energy https://en.openei.org/wiki/PRIMRE/Databases/Projects_Database/Projects/PLAT-I_Connel_Sound_Demonstration	259	276	Decommissioned	Medium	f	f	d	d	f	f	f	f	d	d	f	f	f	f	f	f	d	d	f	f	d	d	d	d
Mull of Kintyre	Project Consenting Info ORJIP	331	338	In Planning	Low	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Oran Na Mara	Nova Ōran na Mara Tidal Energy Project marine.gov.scot	318	330	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	e	e	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Westray South	Westray South Scoping Report October 2011 (pnnl.gov)	271	305	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	e	e	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Tier 3																													
Channel Island of Alderney	Project Consenting Info ORJIP	766	752	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	f	f
Colwyn Bay	Project Consenting Info ORJIP	405	397	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Duddon Estuary	Project Consenting Info ORJIP	304	298	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Fleetwood	Project Consenting Info ORJIP	324	316	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	e	e	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Lashy Sound (between the islands of Eday and Sanday in Orkney)	UK Crown Estate says trio of tidal projects can move forward Recharge (rechargenews.com)	275	308	Operational	Medium	f	f	d	d	f	f	e	e	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Liverpool	Project Consenting Info ORJIP	380	371	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
London	Project Consenting Info ORJIP	568	552	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Lynmouth (Bristol Channel)	Project Consenting Info ORJIP	623	613	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Morecambe Bay	Project Consenting Info ORJIP	311	303	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Ness of Duncansby	Ness of Duncansby Tidal Array Tethys https://openei.org/wiki/PRIMRE/Databases/Projects_Database/Projects/Ness_of_Duncansby_Tidal_Array	225	260	Discontinued	Low	f	f	d	d	f	f	e	e	d	d	f	f	f	f	f	f	d	d	f	f	d	d	d	d
Newport	Project Consenting Info ORJIP	575	563	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Perpetuus Tidal Energy Centre (PTEC)	Project Consenting Info ORJIP	669	655	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	e	e	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Severn Estuary (Bristol Channel)	Project Consenting Info ORJIP	610	599	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Solway Firth	Project Consenting Info ORJIP	231	228	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	e	e	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Swansea Bay	Project Consenting Info ORJIP	586	576	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
West Somerset	Project Consenting Info ORJIP	617	605	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Yell Sound Array	Nova Innovation inks lease for 15MW tidal energy array at Yell Sound - Offshore Energy (offshore-energy.biz)	404	432	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	e	e	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Ocean Energy Projects - Wave																													
United Kingdom - Ocean Energy Projects within 800 km of Morven North and Morven South																													
Tier 1																													
Billia Croo (near Stromness)	http://www.seagreenwindenergy.com/offshore-scoping-phases2and3.asp	266	301	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Brough Head (Orkney)	Brough-Head-Wave-Farm-Scoping-Report.pdf	279	314	Operational	High	f	f	d	d	f	f	e	e	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
EMEC Scapa Flow	Project Consenting Info ORJIP	247	281	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Isle of Muck	Albatern WaveNet Device Isle of Muck Deployment (pnnl.gov)	306	326	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Marine Energy Test Areas (META)	META Wales - META Wales	603	595	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Tier 2																													
Huntington Oil Field	Wave energy-powered buoy deployed at North Sea Huntington field Offshore (offshore-mag.com)	181	179	Decommissioning	Medium	f	f	d	d	f	f	g	g	d	d	f	f	f	f	f	f	d	d	f	f	d	d	d	d
Markwick Head (Orkney)	Marwick Head Scoping Report FINAL 21_12_12 (pnnl.gov)	279	313	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Mingary Bay, near Kilchoan	Scottish waves to power a working fish farm - Offshore Energy (offshore-energy.biz)	296	315	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
South Pembrokeshire Demonstration Zone	Celtic Sea Power seeking environmental review for Pembrokeshire Demonstration Zone - Offshore Energy (offshore-energy.biz)	629	621	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Tier 3																													
East Pickard Bay (Pembrokeshire)	Bombora advances 1.5MW Welsh wave demonstrator - reNews - Renewable Energy News	610	603	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Falmouth Bay	Project Consenting Info ORJIP	759	768	Consenting/Pre-Construction	Low	f	f	d	d	f	f	e	e	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Milla Fjord	Wave Dragon Project - Milla Fjord Site Tethys (pnnl.gov)	614	607	Discontinued	Medium	f	f	d	d	f	f	f	f	d	d	f	f	f	f	f	f	d	d	f	f	d	d	d	d
Other - Offshore Export Cable Route and Carbon Capture Storage																													
United Kingdom - Wind cable agreements and Carbon Capture and Storage within Cumulative Study Area for offshore ornithology (to cover all of UK waters due to birds from potentially affected colonies in the breeding season occurring throughout UK waters in the non-breeding season)																													
Tier 1																													
Aberdeen - OWF Export Cable	https://group.vattenfall.com/uk/what-we-do/our-projects/european-offshore-wind-deployment-centre	66	98	Operational	High	f	f	c	c	b	b	a	a	d	d	b	b	a	a	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Acorn - CCS	https://www.erm.com/sustainability-report-2021/impact-with-clients/low-carbon-economy-transition/acorn-ccs-hydrogen-project/	120	144	Under Construction	High	f	f	c	c	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Awel y Mor OFTO	Volume 2, Chapter 1: Offshore Project Description	390	383	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Barrow - OWF Export Cable	https://en.wikipedia.org/wiki/Offshore_transmission_owner	311	303	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Beatrice - OWF Export Cable	http://www.gov.scot/Resource/0041/00417203.pdf	144	176	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Berwick Bank Export Cable - Branxton Connection	eor0766_berwick_bank_offshore_eia_-_chapter_03_-_project_description.pdf	56	52	Consented	High	f	f	c	c	f	f	c	c	d	d	c	c	f	f	f	f	d	d	f	f	d	d	c	c
Bluemull Sound - Tidal Export Cable	Cable Plan - Shetland Tidal Array (as extended) – Bluemull Sound, Shetland – 06642 marine.gov.scot	422	449	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Blyth Demo Phase 1 - OWF Export Cable	https://www.weamec.fr/en/synthesis/blyth-offshore-demonstrator-wind-farm-project/	161	150	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Blyth Demo Phase 2&3 - OWF Export Cable	https://www.weamec.fr/en/synthesis/blyth-offshore-demonstrator-wind-farm-project/	161	150	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Buchan - OWF Export Cable	bow_eia_volume_1_chapter_04_project_description.pdf	88	122	Consenting/Pre-Construction	High	f	f	c	c	d	f	c	c	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Burbo Bank - OWF Export Cable	https://en.wikipedia.org/wiki/Burbo_Bank_Offshore_Wind_Farm	373	364	Operational	High	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Burbo Bank Extension - OWF Export Cable	https://en.wikipedia.org/wiki/Burbo_Bank_Offshore_Wind_Farm	378	370	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Caledonia Offshore Wind Farm North Export Cable Route	Volume-1-Chapter-5-Proposed-Development-Phasing.pdf	124	159	Application submitted/Awaiting decision	High	f	f	d	d	f	f	d	d	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Caledonia Offshore Wind Farm South Export Cable Route	Volume-1-Chapter-5-Proposed-Development-Phasing.pdf	124	159	Application submitted/Awaiting decision	High	f	f	d	d	f	f	d	d	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Cambois Connection - OWF Export Cable for Berwick Bank	https://energynews.pro/en/cambois-welcomes-a-marine-cable-factory/	32	34	Under Construction	High	f	f	c	c	c	c	c	c	d	d	c	c	f	f	f	f	d	d	c	c	d	d	d	d
Dogger Bank A - OWF Export Cable	http://www.4coffshore.com/windfarms/hunterston-test-centre-(onshore)-united-kingdom-uk86.html	243	220	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Dogger Bank B - OWF Export Cable	https://www.centrica.com/about-us/our-brands/centrica-storage	239	214	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Dogger Bank C Transmission Asset	https://www.sserenewables.com/offshore-wind/projects/dogger-bank/#:~:text=When%20fully%20complete%20in%202026,to%20Net%20Zero%20carbon%20emissions.	399	380	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Dudgeon Extension Deed of Variation	https://opendata-thecrownstate.opendata.arcgis.com/search?groupIds=f0d0ec92da76434d9e91f2e4dc6b3a99f	526	507	Operational	Low	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Dudgeon - OWF Export Cable	https://dudgeonoffshorewind.co.uk/	507	488	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
East Anglia 1 - OWF Export Cable	http://dudgeonoffshorewind.co.uk/about/consenting-documents MMO public register	526	507	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d

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East Anglia 1 North - OWF Export Cable	https://www.scottishpowerrenewables.com/pages/east_anglia_one_north_and_two_up_date_dec2022.aspx	507	486	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
East Anglia 2 - OWF Export Cable	https://www.scottishpowerrenewables.com/pages/east_anglia_one_background.aspx	507	488	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
East Anglia 3 - OWF Export Cable	https://corporate.vattenfall.co.uk/globalassets/uk/projects/norfolk-vanguard/consultation-peir-oct-2017/consultation-summary-document-october-2017/167-vattenfall-consultation-summary-report-oct-2017-print.pdf	498	475	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Endurance - CCS	https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1079825/NS051-SS-REP-000-00010-Storage_Development_Plan.pdf	268	248	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Erebus Transmission Asset	ORML2170 - Erebus ES Vol 1 Chapter 4 Proposed Development Description final.pdf	608	601	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Five Estuaries Transmission Asset	Volume 2, Chapter 1: Offshore Project Description	543	525	Consented	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	f	f
Galloper Export Cable	https://galloperwindfarm.com/about-galloper/#construction	514	495	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Greater Gabbard - OWF Export Cable	https://www.sserenewables.com/offshore-wind/operational-wind-farms/greater-gabbard/	514	495	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Green Volt - OWF Export Cable	250930/S36 Variation to S36 and marine licence for the windfarm and offshore transmission infrastructure for the export cable to landfall East Of Aberdeenshire Coast	77	112	Consented	High	f	f	c	c	d	f	d	d	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Gunfleet Sands 1&2 - OWF Export Cable	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514_gunfleet-sands-web_aw.ashx?la=en&rev=363dbb3179f340ff9bdb5b23a512d37a&hash=5f4c45df5f670cd7f041cfbe87543b49	549	531	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Gwynt y Mor - OWF Export Cable	https://www.power-technology.com/projects/gwynt-y-mor-offshore-wind-farm-north-wales/	388	380	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Hornsea 1 - OWF Export Cable	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms/hornsea1	346	327	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Hornsea Project 2 - OWF Export Cable	https://hornseaprojects.co.uk/hornsea-project-two	343	322	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Hornsea Project 3 - OWF Export Cable	https://hornseaproject3.co.uk/news/2023/04/orsted-havfram	364	340	Consenting/Pre-Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Hornsea Project 4	https://hornseaprojects.co.uk/hornsea-project-four/about-the-project-4	284	267	Discontinued	High	f	f	d	d	f	f	h	h	d	d	f	f	f	f	f	f	d	d	f	f	d	d	d	d
Humber Gateway OWF Export Cable	https://uk-ireland.rwe.com/locations/humber-gateway-offshore-wind-farm/	333	315	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Hywind (Buchan Deep Demo) - OWF Export Cable	https://www.equinor.com/energy/hywind-scotland	66	99	Operational	High	f	f	c	c	b	b	a	a	d	d	a	a	a	a	f	f	d	d	f	f	d	d	d	d
Inch Cape Offshore Export Cable Route	IC01-EC-OFA-002-060-CHP-001_Chapter_6_Site_Selection_and_Alternatives_RevA-1.pdf (inchcapewind.com)	70	81	Under Construction	High	f	f	c	c	b	b	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Inner Dowsing - OWF Export Cable	https://www.power-technology.com/projects/lynnandinnersdowsing/	386	368	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

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Inner Sound - Tidal Export Cable	https://tethys.pnnl.gov/project-sites/meygen-tidal-energy-project-phase-i	228	263	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
INTOG: Aspen Offshore Transmission Assets	aspen_owf_chapter_3_project_description_final.pdf	61	89	Application submitted/Awaiting decision	High	f	f	c	c	f	f	d	d	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Kentish Flats	https://powerplants.vattenfall.com/kentish-flats/	587	569	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Kincardine - OWF Export Cable	https://www.principlepower.com/projects/kincardine-offshore-wind-farm	47	76	Operational	High	f	f	c	c	c	f	a	a	d	d	a	a	a	a	f	f	d	d	c	f	d	d	d	d
Lincs - OWF Export Cable	http://www.renewables-map.co.uk/project.asp?pageid=2018&pageName=Lynn%20Wind%20Farm	394	376	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
London Array - OWF Export Cable	https://londonarray.com/	577	559	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Lynn - OWF Export Cable	http://www.renewables-map.co.uk/project.asp?pageid=2018&pageName=Lynn%20Wind%20Farm	389	371	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Moray Offshore Windfarm (East) export cable - 66600014	https://www.oceanwinds.com/projects/moray-east/	123	157	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Moray Offshore Windfarm (West) export cable - 66600008	https://www.oceanwinds.com/projects/moray-west/	131	165	Operational	High	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Neart na Gaoithe - OWF Export Cable	https://www.edf-re.uk/our-sites/neart-na-gaoithe/	85	89	Operational	High	f	f	c	c	f	f	a	a	d	d	b	b	a	a	f	f	d	d	f	f	d	d	d	d
Norfolk Boreas - OWF Export Cable	https://group.vattenfall.com/uk/what-we-do/our-projects/vattenfallinnorfolk/norfolk-boreas	442	423	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Norfolk Vanguard - OWF Export Cable	https://group.vattenfall.com/uk/what-we-do/our-projects/vattenfallinnorfolk/norfolk-vanguard	447	428	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
North Falls Transmission Asset	Environmental-Impact-Assessment-Scoping-Report.pdf	454	527	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	f	f
North Hoyle - OWF Export Cable	https://www.thewindpower.net/windfarm_en_7391_north-hoyle.php	387	379	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Ormonde - OWF Export Cable	https://group.vattenfall.com/uk/what-we-do/our-projects/ormonde	309	301	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Outer Dowsing Transmission Asset	Document 8.5 Outline Cable Specification and Installation Plan	354	335	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	f	f
Pentland Floating - OWF Export Cable	https://pentlandfloatingwind.com/	244	280	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Perpetuus Tidal Energy Centre (PTEC) - Tidal Export Cable	https://perpetuustidal.com/the-project-to-date/timeline/	666	651	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Race Bank - OWF Export Cable	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190423_ps_race-bank_a5-8pp-web_aw_v3.ashx?la=en&rev=c32b3aad49ec466f97f3b88a5a29b7fb&hash=E3B1E23FC8B04D99326CDC8600684323	381	363	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Rampion - OWF Export Cable	http://rwe.com/en/press/rwe-renewables/2021-11-19-rampion-offshore-wind-farm-sale-of-transmission-assets/	642	626	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

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Ramsey Sound - Tidal Export Cable	https://opendata-thecrownestate.opendata.arcgis.com/datasets/01930b03107441189bad40ec1b6636ba	595	589	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Rhyl Flats - OWF Export Cable	https://www.power-technology.com/marketdata/power-plant-profile-rhyl-flats-uk/	397	389	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Robin Rigg - OWF Export Cable	Microsoft Word - Front_Page_May_2008.doc (cumbria.gov.uk)	267	264	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Salamander - OWF Export Cable	ER.A.2.4 Project Description	81	116	Consented	High	f	f	c	c	d	f	d	d	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Scroby Sands - OWF Export Cable	https://uk-ireland.rwe.com/locations/scroby-sands-offshore-wind-farm/	472	453	Operational	High	f	f	d	d	f	f	f	f	d	d	g	g	f	f	f	f	d	d	f	f	d	d	d	d
Seagreen 1A - OWF Export Cable	https://infrastructure.planninginspectorate.gov.uk/document/EN010032-001699	41	52	Under Construction	High	f	f	c	c	c	f	c	c	d	d	c	c	f	f	f	f	d	d	c	f	d	d	d	d
Seagreen Phase 1 - OWF Export Cable	https://www.sserenewables.com/offshore-wind/projects/seagreen/	40	52	Operational	High	f	f	c	c	c	f	a	a	d	d	b	b	a	a	f	f	d	d	c	f	d	d	d	d
Sheringham Shoal - OWF Export Cable	http://sheringhamshoal.co.uk/	407	388	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Sofia - OWF Export Cable	http://www.edf-er.com/LinkClick.aspx?fileticket=kM4l2JEXwBA%3D&portalid=1	212	195	Under Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Teesside - OWF Export Cable	http://www.dongenergy.co.uk/uk-business-activities/wind-power/offshore-wind-farms-in-the-uk/lincs-offshore-wind-farm	216	202	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Thanet - OWF Export Cable	https://powerplants.vattenfall.com/thanet/	598	579	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Triton Knoll - OWF Export Cable	https://uk-ireland.rwe.com/locations/triton-knoll/	363	345	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Walney 1 - OWF Export Cable	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514walney-1--2-webaw.ashx?la=en&rev=42cdfa99bee6471eafce19a97b07344a&hash=D461C0E55B40CF56592C440527B3E3A6	311	303	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Walney 2 - OWF Export Cable	https://orstedcdn.azureedge.net/-/media/www/docs/corp/uk/updated-project-summaries-06-19/190514walney-1--2-webaw.ashx?la=en&rev=42cdfa99bee6471eafce19a97b07344a&hash=D461C0E55B40CF56592C440527B3E3A6	323	317	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Walney Extension - OWF Export Cable	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms/walney-extension	314	306	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
West of Duddon Sands - OWF Export Cable	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms?gad=1&gclid=Cj0KCQjwpPKiBhDvARIsACn-gzAtrRyVoEmsJ92rqvf1JLWW0gyF59qoN2c343-AvHsTljeq4l5SkQAaAreQEALw_wcB	314	305	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Westermost Rough - OWF Export Cable	https://orsted.co.uk/energy-solutions/offshore-wind/our-wind-farms?gad=1&gclid=EAlaIqOBChMlx9LI3quL_wIVcBYGAB2_MAFxEAAAYASAAEgLFiPD_BwE	316	299	Operational	High	f	f	d	d	f	f	f	f	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Tier 2																													

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Morven Hawthorn Pit Grid Connection Project	Morven Wind Farm - Consultation Brochure	0	0	Consenting/Pre-Construction	Medium	c	c	c	c	a	a	c	c	d	d	c	c	f	f	c	c	d	d	c	c	c	c	c	c
Ossian - OWF Export cable	EN0210006-000003-Ossian Transmission Infrastructure Scoping Report Part 1.pdf https://www.hexicongroup.com/mfn_news/hexicon-completes-wave-hub-ltd-acquisition-for-offshore-floating-wind-technology-demonstrator/	9	5	Consenting/Pre-Construction	High	c	c	c	c	c	c	c	c	d	d	c	c	f	f	f	f	d	d	c	c	d	d	d	d
Wave Hub - OWF Export Cable		751	751	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
Tier 3																													
Morven Branxton Area Grid Connection Project	0	0	0	In Planning	Low	c	c	c	c	a	a	c	c	d	d	e	e	f	f	c	c	d	d	c	c	c	c	c	c
Dogger Bank D - OWF Export Cable	download	214	214	Consenting/Pre-Construction	High	f	f	d	d	f	f	a	a	d	d	c	c	f	f	f	f	d	d	f	f	d	d	d	d
BP Exploration Operating Company Limited	https://opendata-thecrownestate.opendata.arcgis.com/datasets/8cae2b24b1f6457c8311af3e794246d3	248	268	Consenting/Pre-Construction	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
Export cables included within the HND(FUE) within 200km of Morven North and Morven South																													
Tier 3																													
SW_E1a HND FUE HVDC to Hurlie	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E1a HND FUE HVDC to Hawthorn Pit	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E1a HND FUE HVDC to Lincolnshire Connection Node	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E1a HND FUE HVDC to Branxton	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E1a HND HVAC to SW_E1b	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E1c HND HDVC to Weston Marsh	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E1c HND HDVC Lincolnshire connection node	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E1c HND HVAC to SW_E2a	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E1c HND HVAC to SW_E1a	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E3 HND FUE HVAC to Hurlie	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	c	c	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E2a HND HDVC to Richborough	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	f	f	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
SW_E2b HNDFUE	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	f	f	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
SW_E2b HNDFUE	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	f	f	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
PA_2 HNDFUE HVDC to Blyth	https://www.ofgem.gov.uk/sites/default/files/2024-04/HNDFUE%20Asset%20Classification%20Decision.pdf	n/a	n/a	In Planning	Low	f	f	e	e	e	e	e	e	d	d	e	e	f	f	e	e	d	d	e	e	d	d	e	e
Onshore Windfarms																													
New Projects																													
Ferniebrae Barras - Wind turbine	Planning App: APP/2023/2235	67	91	Operational	High	f	f	d	d	d	d	f	f	d	d	b	b	f	f	f	f	d	d	f	f	d	d	d	d
Offshore Windfarms - Multiple new projects in Europe due to larger study area, based on mean max foraging range of Gannets (1400km)																													
New Projects																													
Tier 1																													
Anholt	Our offshore wind farms in Denmark and the world Ørsted	729	716	Operational	High	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
ARCADIS Ost 1	Parkwind Arcadis Ost 1	924	906	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Arkona	Arkona offshore wind farm RWE operating site	955	937	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Avedøre Holme	Our offshore wind farms in Denmark and the world Ørsted	830	814	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Baltic Eagle	Baltic Eagle project - Iberdrola	937	919	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Bockstigen I	Bockstigen Offshore (Sweden) - Wind farms - Online access - The Wind Power https://momentumgreenenergy.com/en/case/lifetime-extension-of-bockstigen-offshore-wind-farm-on-gotland/	1145	1145	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
EO3	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	889	872	Operational	Low	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
EnBW Baltic I	EnBW wind farm Baltic 1 EnBW	876	858	Operational	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EnBW Windpark Baltic 1	EnBW wind farm Baltic 1 EnBW	874	855	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
EnBW Windpark Baltic 2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	889	871	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Eystrasalt Offshore	Baltic Sea Offshore Wind Park Sweden	1242	1242	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Frederikshavn	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	705	695	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Frederikshavn Offshore	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	691	680	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f

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Frederikshavn Offshore Demo	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	695	684	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Galatea - Galene	Projects - OX2	750	750	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gebied 1 Noord (1-n)	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	424	399	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gebied 1 Zuid (1-z)	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	450	426	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gebied 2 Noord (2-n)	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	462	437	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gebied 5 Oost (5-o)	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	469	446	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gennaker	Gennaker Offshore Wind Park Germany	865	846	Consented	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Gretas Klackar	Gretas Klackar Offshore Wind Farm - Consent Application Submitted - Sweden TGS 4C 4C Offshore	1180	1180	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Groix et Belle-Île	Groix & Belle-Île Floating Wind Farm - Cancelled - France TGS 4C 4C Offshore	1022	1009	Cancelled	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Hesselk	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	764	750	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Hesselø	Hesselø offshore windfarm Port of Grenaa	742	742	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Iles d'Yeu et de Noirmoutier	Offshore wind turbines Yeu-Noirmoutier	1076	1063	Under Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Jammerbugt	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	597	586	Under Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Jammerland Bugt	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	734	717	Consented	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Kårehamn	Kårehamn RWE in Sweden	1075	1075	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Kriegers Flak	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=soruceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	865	848	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Kattegatt Offshore	https://orsted.se/vara-grona-losningar/havsbaserad-vindkraft/vara-projekt	799	786	In Planning	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Kattegatt Syd	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=soruceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	764	764	Under Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Les deux oles	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=soruceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1076	1063	Consented	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Lillgrund	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=soruceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	835	835	Operational	High	f	f	d	d	f	f	e	e	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Lovstaviken	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=soruceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	809	796	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Mareld	2.5 GW Mareld Floating Offshore Wind farm in Sweden receives positive recommendation from County Board - Aker Horizons	666	666	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Middelgrunden	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=soruceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	840	825	Operational	Medium	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Najaderna Offshore Wind Farm	Najaderna Offshore – Eolus	1183	1183	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Nordlicht 1	Vattenfall builds Germany’s largest offshore wind farm - Vattenfall	483	483	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Nordre Flint	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=soruceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	850	834	Under Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Nysted	Our offshore wind farms in Denmark and the world Ørsted	817	798	Operational	Medium	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Olof Skötkonung	Olof Skötkonung - Deep Wind Offshore	1180	1180	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Paludan Flak	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	711	694	Failed proposal	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Rødsand 2	Rødsand 2 Offshore Wind Farm RWE in Denmark	804	785	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Saint-Brieuc	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	858	845	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Saint-Nazaire	Parc éolien en mer de Saint-Nazaire Découvrir le projet éolien de Saint-Nazaire	1048	1035	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Samsø	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	711	694	Operational	Medium	f	f	d	d	f	f	a	a	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Skåne havsvindpark	orsted.se/vara-grona-losningar/havsbaserad-vindkraft/vara-projekt	889	889	Paused	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Sprogø	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	744	726	Operational	Medium	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Storgrundet Offshore	skybornrenewables.com/articles/newsroom/storgrundet_enviromental_permit	1158	1158	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Sylen	Sylen — Svea Vind Offshore	1206	1206	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Thornton Bank 1	Windturbines C-Power	592	592	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Thornton Bank 2	Windturbines C-Power	592	592	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Tunø Knob	Tunø Knob - Ports Directory	691	675	Operational	Medium	f	f	d	d	f	f	g	g	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Utposten 2	Wind farm Utposten 2 — Svea Vind Offshore	1158	1158	Application submitted/Awaiting decision	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Wikinger	Wikinger offshore wind farm - Iberdrola	951	934	Operational	High	f	f	d	d	f	f	f	f	d	d	b	b	f	f	f	f	d	d	f	f	f	f	f	f
Windanker	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	929	929	Under Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Tier 2																													
EN11	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	477	456	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
EN14	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourcelCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	414	392	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Gävle Öst Havsvindpark	Facts about Gävle East Offshore Wind Farm Ørsted	1222	1222	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Kapheira	Kapheira - Zephyr Renewable AB	1127	1127	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Lillebält Syd	Little Belt South	675	656	Consented	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Lithuania's first offshore wind farm in the Baltic Sea (Lithuanian Tender 1 & 2)	700MW Lithuanian offshore wind tender re-launched - Baltic Wind	1302	1289	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Poseidon	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourcelCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	712	703	Consented	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Princess Elisabeth Zone Lot 1	Princess Elisabeth Island	572	572	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Princess Elisabeth Zone Lot 2.1	Princess Elisabeth Island	583	583	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Princess Elisabeth Zone Lot 2.2	Princess Elisabeth Island	586	586	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Princess Elisabeth Zone Lot 3	Princess Elisabeth Island	580	580	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Ran Offshore Wind Farm	Projects - OX2	1198	1198	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Vidar	Energy Park Vidar	685	685	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Vidar öst	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourcelCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json https://www.4coffshore.com/windfarms/sweden/vidar-east-sweden-se1g.html	703	703	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Vindkraftpark Fyrskellet	https://www.skybornrenewables.com/markets/sweden/local/fyrskellet%20_offshore	1200	1200	Consenting/Pre-Construction	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Ymer	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourcelCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1005	1005	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Tier 3																													
Arkona Vindkraftpark	Arkona Offshore – Eolus	889	889	Discontinued	High	f	f	d	d	f	f	h	h	h	h	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Aurora	The County Administrative Board gives green light to offshore wind farm Aurora off the coast of Sweden - OX2	1092	1092	Failed proposal	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Baltic Edge	Baltic Edge Floating Wind Farm - Concept/Early Planning - Sweden TGS 4C 4C Offshore	1049	1049	In Planning	Low	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Baltic Offshore Alpha	Alpha Floating Wind Farm - Cancelled - Sweden TGS 4C 4C Offshore	1144	1144	Discontinued	Low	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Baltic Offshore Beta	Sweden halts 13 offshore wind farms in the Baltic Sea due to national security concerns	1018	1018	Discontinued	Low	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Baltic Offshore Delta North	Sweden halts 13 offshore wind farms in the Baltic Sea due to national security concerns	1247	1247	Discontinued	Low	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Baltic Offshore Delta South	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1243	1243	Discontinued	Low	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Baltic Offshore Epsilon	Baltic Offshore Epsilon wind farm - Global Energy Monitor	1235	1235	In Planning	Low	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Blekinge Offshore	Blekinge Offshore – Eolus	959	959	Discontinued	High	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Bothnia Offshore Lambda	Lambda North Offshore Wind Farm - Cancelled - Sweden TGS 4C 4C Offshore	1200	1200	Discontinued	Medium	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Bothnia Offshore Sigma	Bothnia Offshore Wind Farm - Failed Proposal - Finland TGS 4C 4C Offshore	1267	1267	Discontinued	Medium	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Cirrus	Cirrus Floating Wind Farm - Failed Proposal - Sweden TGS 4C 4C Offshore	1033	1033	Discontinued	Medium	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Dyning	Dyning Floating Wind Farm - Failed Proposal - Sweden TGS 4C 4C Offshore	1117	1117	Discontinued	Medium	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Elinor	Elinor Floating Wind Farm - Dormant - Sweden TGS 4C 4C Offshore	1126	1126	Discontinued	Medium	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Erik Segersäll Vindkraftpark	Deep Wind Offshore Unveils Plans for Gigawatt-Scale Floating Offshore Wind Farm in Sweden Offshore Wind	1208	1208	In Planning	High	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Falkenberg-Halmstad Offshore Wind Farm	Falkenberg-Halmstad Offshore Wind Farm - Concept/Early Planning - Sweden TGS 4C 4C Offshore	779	779	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Fanshawe	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	837	821	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
B142	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1182	1180	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
B143	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1204	1202	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
B146	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1157	1155	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
B147	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1211	1209	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
B151	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1173	1170	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
B152	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1164	1161	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Baltex 2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1061	1061	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Bornholm	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	981	964	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Bornholm I	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	950	932	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Bornholm II	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	976	959	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Bornholm III	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1011	994	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Kattegat I	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	709	696	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Kriegers Flak II	Danish Kriegers Flak II (dk0n) Offshore Wind Farm - Development Zone - Denmark TGS 4C 4C Offshore	860	860	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Kultje	Kultje wind farm - Global Energy Monitor	1102	1102	Discontinued	Medium	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Mejl Flak	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	689	674	Discontinued	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
NW Grund	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1004	988	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Ö248	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1118	1103	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Ö285	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	878	860	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Omo Syd	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	763	744	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Pleione	Pleione Floating Wind Farm - Failed Proposal - Sweden TGS 4C 4C Offshore	1227	1227	Discontinued	Low	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Plotas A	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1302	1289	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Plotas B	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1306	1292	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Plotas B2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1308	1294	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Plotas C	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1309	1295	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Plotas C2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1309	1295	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
E1	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1280	1266	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
E2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1319	1306	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
E3	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1302	1290	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
E4	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1312	1301	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EN10	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	445	445	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EN2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	513	513	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EN4	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	557	557	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EN5	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	475	475	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
EN6	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	461	461	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EN7	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	476	476	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EN8	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	476	476	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EN9	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	445	445	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EN12	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	468	446	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EN13	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	470	449	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EN13-Nord	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	473	453	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EN15	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	389	367	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EN16	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	411	390	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
EN17	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	344	322	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EN18	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	370	349	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EN19	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	268	248	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EN20	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	371	350	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
EO1	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	946	929	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EO2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	929	912	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
EO2-West	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	926	908	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Gebied 2 Zuid (2-z)	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	469	469	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Gretas Klackar II	Gretas Klackar II Offshore Wind Farm - Dormant - Sweden TGS 4C 4C Offshore	1178	1178	Discontinued	Medium	f	f	d	d	f	f	h	h	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Herkules	Herkules – Eolus	1204	1204	Discontinued	High	f	f	d	d	f	f	e	e	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
I etapas vystomas plotas	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	1311	1298	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Kadetbanke	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&content_type=json	856	838	Failed proposal	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Kattegat II	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	734	719	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Krigers Flak Nord	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	854	837	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Krigers Flak Syd	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	869	852	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Mimer	Mimer Offshore Wind Farm - Concept/Early Planning - Sweden TGS 4C 4C Offshore	1237	1237	Consenting/Pre-Construction	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
N-10.1	N-10.1 (de3c) Offshore Wind Farm - Development Zone - Germany 4C Offshore	445	445	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
N-10.2	N-10.2 (de3i) Offshore Wind Farm - Development Zone - Germany 4C Offshore	461	461	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
N-11.1	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	463	463	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
N-11.2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	456	456	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
N-12.1	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	447	447	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
N-12.2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	446	446	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
N-12.3	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	447	447	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
N-13.1	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	452	452	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
N-13.2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=emodnet	449	449	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f

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Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Nya Utgrunden	Nya Utgrunden Offshore Wind Farm - Dormant - Sweden TGS 4C 4C Offshore	1036	1036	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Öland-Hoburg I	Öland-Hoburg I Offshore Wind Farm - Dormant - Sweden TGS 4C 4C Offshore	1066	1066	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Öland-Hoburg II	Öland-Hoburg II Offshore Wind Farm - Dormant - Sweden TGS 4C 4C Offshore	1128	1128	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Öland-Hoburg III	Öland-Hoburg III Offshore Wind Farm - Dormant - Sweden TGS 4C 4C Offshore	1177	1177	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
PZP_14	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1023	1005	In Planning		f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
PZP_44	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1090	1073	In Planning		f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
PZP_45	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1111	1095	In Planning		f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
PZP_46	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1169	1154	In Planning		f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
PZP_53	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1093	1078	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
PZP_60	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1123	1108	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Skagerrak Offshore Gamma	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	666	666	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Skidbladner	Skidbladner – Eolus	1202	1202	Discontinued	High	f	f	d	d	f	f	f	f	h	h	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Simpevarp Havsvindpark	Chimping Offshore Wind Farm – Cloudberry	1052	1052	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Sjollen Offshore	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&cont	834	834	Discontinued	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Slite Wind Farm	Slite Offshore Wind Farm - Dormant - Sweden TGS 4C 4C Offshore	1192	1192	Discontinued	Low	f	f	d	d	f	f	f	f	h	h	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Södra Victoria	Södra Victoria Offshore Wind Farm - Failed Proposal - Sweden TGS 4C 4C Offshore	1096	1096	Discontinued	Medium	f	f	d	d	f	f	f	f	h	h	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Stora Middelgrund	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&cont	784	771	Discontinued	High	f	f	d	d	f	f	f	f	h	h	f	f	f	f	f	f	d	d	f	f	f	f	f	f
Störmskar	Stormskär Floating Wind Farm - Concept/Early Planning - Finland TGS 4C 4C Offshore	1249	1249	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Sud Atlantique I	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&cont	1186	1172	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Sud Atlantique II	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&cont	1190	1176	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Sud de la Bretagne	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&cont	1038	1026	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Sud de la Bretagne Extension	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&cont	1038	1026	In Planning	Medium	f	f	d	d	f	f	f	f	d	d	c	c	f	f	f	f	d	d	f	f	f	f	f	f
Sundsvall	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&cont	1222	1222	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Sydkustens Vind	Key project dates for Sydkustens Vind (se42) - Sweden TGS 4C 4C Offshore	885	885	Discontinued	Medium	f	f	d	d	f	f	f	f	h	h	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Trem Mklebugt	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&cont	699	686	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Triton	Triton Offshore Wind Farm - Failed Proposal - Sweden TGS 4C 4C Offshore	890	890	Discontinued	Medium	f	f	d	d	f	f	f	f	h	h	h	h	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Utgrunden I	Utgrunden I Offshore Wind Farm - Decommissioned - Sweden TGS 4C 4C Offshore	1037	1037	Decommissioned	High	f	f	d	d	f	f	f	f	d	d	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Väderskär	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1272	1272	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Valgrundet Offshore	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	827	827	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Västvind	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	714	714	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
V302	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	784	771	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
V305	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	800	787	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
V317	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	792	779	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Warberg Offshore Wind	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	753	753	In Planning	Low	f	f	d	d	f	f	f	f	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Yttre stengrund	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1024	1024	Decommissioned	High	f	f	d	d	f	f	f	f	h	h	h	h	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_1	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1312	1305	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1375	1373	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_3	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1349	1347	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_4	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sourceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&context=1	1363	1361	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Unnamed Finish OWF_5	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1345	1342	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_6	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1370	1370	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_7	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1284	1282	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_8	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1365	1358	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_9	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1312	1305	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_10	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1375	1373	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_11	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1349	1347	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_12	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1363	1361	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_13	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1284	1282	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_14	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1365	1358	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_15	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1345	1342	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_16	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1370	1370	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Finish OWF_17	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=surceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1252	1249	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Unnamed Finish OWF_18	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sorceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1252	1249	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed German OWF	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sorceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	946	929	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Estonian OWF_1	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sorceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1322	1313	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f
Unnamed Estonian OWF_2	https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/search?facet.q=sorceCatalog%2F661f317e-c9f1-4cbc-b271-7772a33f6a17&resultType=details&sortBy=sortDate&from=1&to=20&fast=index&conte	1307	1298	In Planning	Low	f	f	d	d	f	f	e	e	d	d	e	e	f	f	f	f	d	d	f	f	f	f	f	f

Appendix C Cumulative effects matrix

C.1 Cumulative effects matrix – Marine aggregate and disposal temporal

The marine aggregate and disposal projects, plans and activities are shown in Apx Figure 6

Appendix C: Marine Aggregate and Disposal - Temporal

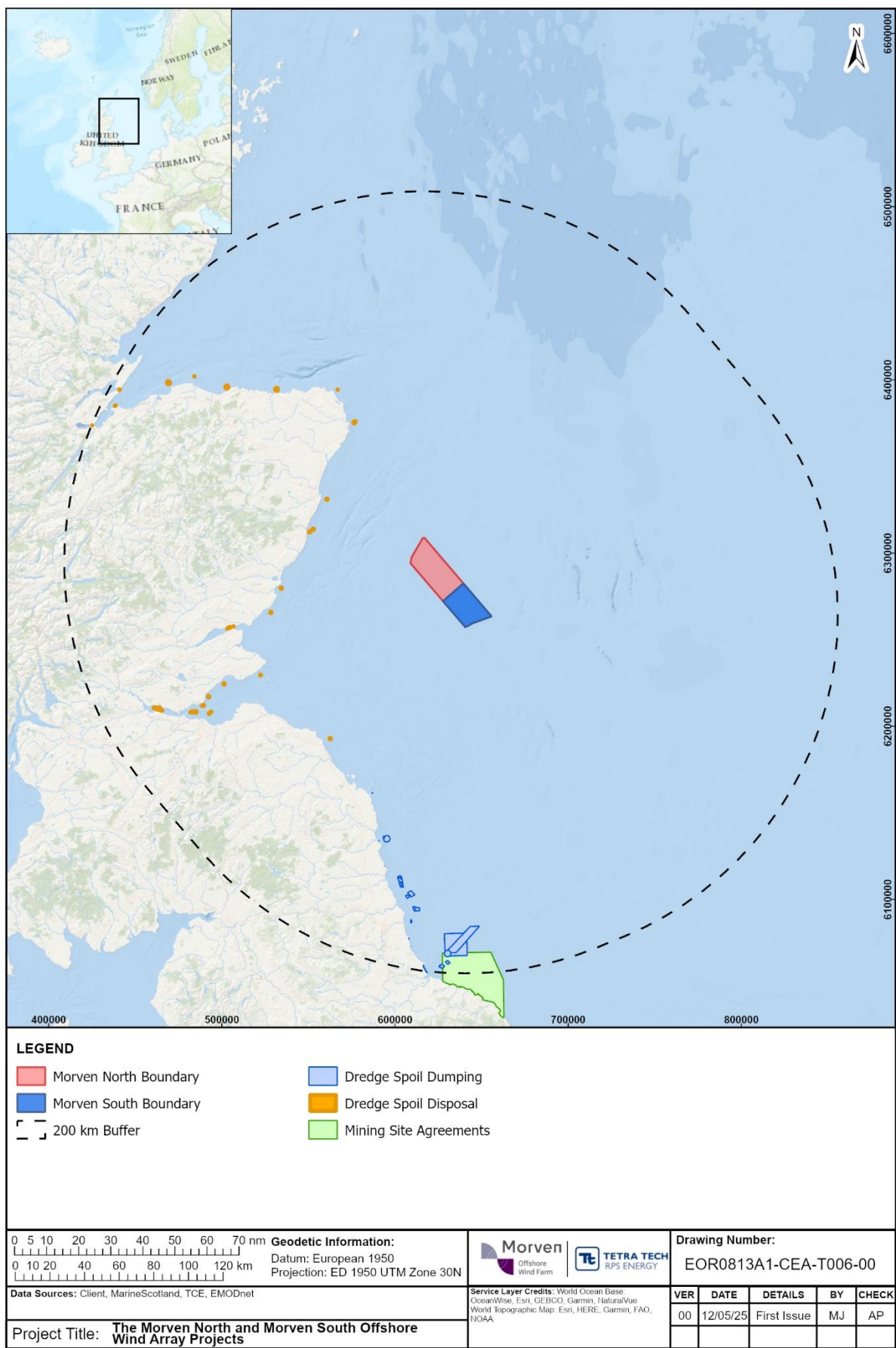
Key	Project Status
	Consenting/Pre-Construction
	Construction
	Operation and Maintenance
	Decommissioning
Note - where an end date is not given in the licence, then a duration of 15 years has been assumed based on previous licences.	

					Marine Aggregates: Temporal																							
					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																							
Project	Information in the Public Domain	Data Confidence Assessment	Capacity/scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050			
United Kingdom - Dredge Soil Disposal Sites within 200km of Morven North and Morven South																												
Tier 1																												
Aberdeen - Cr110	Marine Scotland - Updated 5/12/22	High	Disposal Site	Operational																								
Amble - 389	Emodnet data - disposal Updated 6/8/21	High	Disposal Site	Operational																								
Amble Marina Outfall - 365	Emodnet data - disposal	High	Disposal Site	Operational																								
Anstruther - Fo101	Marine Scotland	High	Disposal Site	Operational																								
Arbroath - Fo020	Marine Scotland	High	Disposal Site	Operational																								
Blae Rock A - Fo036	Marine Scotland	High	Disposal Site	Operational																								
Blyth A - 125	Emodnet data - disposal	High	Disposal Site	Operational																								
Blyth A+B - 124	Emodnet data - disposal	High	Disposal Site	Operational																								
Blyth B - 126	Emodnet data - disposal	High	Disposal Site	Operational																								
Bo'Ness - Fo044	Marine Scotland	High	Disposal Site	Operational																								

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																								
Project	Information in the Public Domain	Data Confidence Assessment	Capacity/scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050				
Buckie -Cr040	Marine Scotland	High	Disposal Site	Operational																									
Burghead - Cr030	Marine Scotland	High	Disposal Site	Operational																									
Coquet Island - 440	Emodnet data - disposal	High	Disposal Site	Operational																									
Easington Foreshore - 71	Emodnet data - disposal	High	Disposal Site	Operational																									
Eyemouth -Fo080	Marine Scotland	High	Disposal Site	Operational																									
Firth Of Tay E - Fo021	Marine Scotland	High	Disposal Site	Operational																									
Foreshore At Hartlepool - 94	Emodnet data - disposal	High	Disposal Site	Operational																									
Fraserburgh - Cr060	Marine Scotland	High	Disposal Site	Operational																									
Hartlepool - 116	Emodnet data - disposal	High	Disposal Site	Operational																									
Howdon Area - 121	Emodnet data - disposal	High	Disposal Site	Operational																									
Inverness - Cr027	Marine Scotland	High	Disposal Site	Operational																									
Kirkcaldy - Fo047	Marine Scotland	High	Disposal Site	Operational																									
Lynemouth South Shore - 72	Emodnet data - disposal	High	Disposal Site	Operational																									
Lossiemouth - Cr031	Marine Scotland	High	Disposal Site	Operational																									
Macduff - Cr050	Marine Scotland	High	Disposal Site	Operational																									
Methil - Fo028	Marine Scotland	High	Disposal Site	Operational																									
Middle Bank (Tay) - Fo028	Marine Scotland	High	Disposal Site	Operational																									
Montrose - Fo010	Marine Scotland	High	Disposal Site	Operational																									
Narrow Deep B - Fo038	Marine Scotland	High	Disposal Site	Operational																									
Narrow Deep Se Of Inchkeith - Fo039	Marine Scotland	High	Disposal Site	Operational																									
Newcome Buoy - Fo023	Marine Scotland	High	Disposal Site	Operational																									
North Buchan Ness - Cr080	Marine Scotland	High	Disposal Site	Operational																									

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Capacity/scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
North Tyn - 24	Emodnet data - disposal	High	Disposal Site	Operational																					
Oxcars Ext A - Fo042	Marine Scotland	High	Disposal Site	Operational																					
Oxcars Ext B - Fo043	Marine Scotland	High	Disposal Site	Operational																					
Oxcars Main - Fo041	Marine Scotland	High	Disposal Site	Operational																					
Peterhead - Cr070	Marine Scotland	High	Disposal Site	Operational																					
Pittenweem - Fo051	Marine Scotland	High	Disposal Site	Operational																					
Seaham Foreshore - 99	Emodnet data - disposal	High	Disposal Site	Operational																					
Seahouses - 513	Emodnet data - disposal	High	Disposal Site	Operational																					
Souter Point (Inner) - 120	Emodnet data - disposal	High	Disposal Site	Operational																					
Souter Point (Outer) - 119	Emodnet data - disposal	High	Disposal Site	Operational																					
Stonehaven - Fo003	Marine Scotland	High	Disposal Site	Operational																					
Stonehaven B - Fo007	Marine Scotland	High	Disposal Site	Operational																					
Sunderland - 117	Emodnet data - disposal	High	Disposal Site	Operational																					
Sutors - Cr019	Marine Scotland	High	Disposal Site	Operational																					
Tay Bridge - Fo025	Marine Scotland	High	Disposal Site	Operational																					
Tees (Industrial) - 115	Emodnet data - disposal	High	Disposal Site	Operational																					
Tees Bay A - 95	Emodnet data - disposal	High	Disposal Site	Operational																					
Tees Bay B - 388	Emodnet data - disposal	High	Disposal Site	Operational																					
Tees Bay C - 98	Emodnet data - disposal	High	Disposal Site	Operational																					
Tyne Tunnel - 118	Emodnet data - disposal	High	Disposal Site	Operational																					
Warkworth Harbour - 127	Emodnet data - disposal	High	Disposal Site	Operational																					
Whiteness Sands B - Cr023	Marine Scotland	High	Disposal Site	Operational																					
United Kingdom - Evaporites Agreements within 200 km of Morven North and Morven South																									

					Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Capacity/scale	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2050
Tier 1																									
Boulby Potash Mine	The Crown Estate	High	Offshore minerals	Operational																					



ApX Figure 6: Marine aggregate and disposal projects, plans and activities within 200km of Morven North and Morven South

C.2 Cumulative effects matrix – Marine aggregate and disposal spatial and screening

Appendix C: Marine Aggregate and Disposal - Spatial and Screening

Key	Stage 3 screening criteria
a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact assessment: Screened in to assessment.
c	Potential cumulative impact exists: Screened in to assessment.
d	No conceptual effect-receptor pathway: Screened out of assessment.
e	Low data confidence or availability: Screened out of assessment.
f	No physical effect-receptor overlap: Screened out of assessment.
g	No temporal overlap: Screened out of assessment.
h	Project has been withdrawn from development or operation: Screened out of assessment.

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes	Benthic Subtidal Ecology	Fish & Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Aviation (Military and Civil)	Other Sea Users	Socio-economics	Human Health												
United Kingdom - Dredge Soil Disposal Sites within 200km of Morven North and Morven South																													
Tier 1						North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South
Aberdeen - Cr110	ahb_-_bpeo.pdf (marine.gov.scot)	59	89	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	f	f	d	d	d	d
Amble - 389	Ossian - Appendix 06.4 - Cumulative Effects Screening.pdf	139	128	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Amble Marina Outfall - 365	Natural England Access to Evidence - Search Results page 1	143	133	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Anstruther - Fo101	06784_-_bpeo_report.pdf (marine.gov.scot) https://marine.gov.scot/marine-licence-maintenance-dredging-and-sea-disposal-anstruther-harbour-fife-06784	108	113	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Arbroath - Fo020	Marine Licence - Maintenance Dredging and sea deposit - Arbroath, Angus - 00009091 Marine Scotland Information	85	99	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Blae Rock A - Fo036	Marine Scotland - National Marine Plan Interactive (atkinsgeospatial.com)	145	150	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Blyth A - 125	Ossian - Appendix 06.4 - Cumulative Effects Screening.pdf	164	152	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Blyth A+B - 124	Ossian - Appendix 06.4 - Cumulative Effects Screening.pdf	160	148	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Blyth B - 126	Ossian - Appendix 06.4 - Cumulative Effects Screening.pdf	160	148	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Bo'Ness - Fo044	https://spatialdata.gov.scot/geonetwork/srv/eng/catalog.search#/metadata/Marine_Scotland_FishDAC_1567	167	174	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Buckie - Cr040	bpeo_10.pdf (marine.gov.scot)	142	175	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Burghead - Cr030	bpeo_11.pdf	171	202	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Coquet Island - 440	rr442.pdf (bto.org)	140	130	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Easington Foreshore - 71	Ossian - Appendix 06.4 - Cumulative Effects Screening.pdf	200	187	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Eymouth - Fo080	bpeo_assessment_final.pdf (marine.gov.scot) https://marine.gov.scot/data/marine-licence-application-maintenance-dredge-eyemouth-harbour-00008962	102	101	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Firth Of Tay E - Fo021	https://spatialdata.gov.scot/geonetwork/srv/eng/catalog.search#/metadata/Marine_Scotland_FishDAC_1567	111	124	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Foreshore At Hartlepool - 94	Tees and Hartlepool Port Waste Management Plan	210	196	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Fraserburgh - Cr060	Microsoft Word - Section 8_Rev D_-26-09-04.doc (publishing.service.gov.uk)	98	133	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Hartlepool - 116	Ossian - Appendix 06.4 - Cumulative Effects Screening.pdf	189	173	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Howdon Area - 121	Ossian - Appendix 06.4 - Cumulative Effects Screening.pdf	168	155	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Inverness - Cr027	marine.gov.scot	199	226	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Kirkcaldy - Fo047	bpeo_redacted_8.pdf (marine.gov.scot)	139	146	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Lynemouth South Shore - 72	https://spatialdata.gov.scot/geonetwork/srv/eng/catalog.sg.search#/metadata/Marine_Scotland_FishDAC_1567	157	146	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Lossiemouth - Cr031	https://spatialdata.gov.scot/geonetwork/srv/eng/catalog.search#/metadata/Marine_Scotland_FishDAC_1567	161	193	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Macduff - Cr050	https://spatialdata.gov.scot/geonetwork/srv/eng/catalog.search#/metadata/Marine_Scotland_FishDAC_1567	119	154	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Methil - Fo028	00009210_-_best_practicable_environmental_option_report_redacted.pdf (marine.gov.scot)	128	135	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Middle Bank (Tay) - Fo028	https://spatialdata.gov.scot/geonetwork/srv/eng/catalog.search#/metadata/Marine_Scotland_FishDAC_1567	110	123	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Montrose - Fo010	bpeo_1.pdf (marine.gov.scot)	76	93	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Narrow Deep B - Fo038	marine.gov.scot	143	148	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Narrow Deep Se Of Inchkeith - Fo039	https://spatialdata.gov.scot/geonetwork/srv/eng/catalog.search#/metadata/Marine_Scotland_FishDAC_1567	143	148	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Newcome Buoy - Fo023	https://spatialdata.gov.scot/geonetwork/srv/eng/catalog.search#/metadata/Marine_Scotland_FishDAC_1567	108	122	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
North Buchan Ness - Cr080	Dredge Spoil Deposit Sites - Open Marine Scotland Information	77	112	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
North Tyn - 24	Dredge Spoil Deposit Sites - Open Marine Scotland Information	171	158	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Oxcars Ext A - Fo042	Microsoft Word - Forth Ports Newhaven Draft BPEO Report ERM 29Apr19.Combined.docx (marine.gov.scot)	152	158	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Oxcars Ext B - Fo043	Microsoft Word - Forth Ports Newhaven Draft BPEO Report ERM 29Apr19.Combined.docx (marine.gov.scot)	153	159	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Oxcars Main - Fo041	Microsoft Word - Forth Ports Newhaven Draft BPEO Report ERM 29Apr19.Combined.docx (marine.gov.scot)	150	156	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Peterhead - Cr070	Dredge Spoil Deposit Sites - Open Marine Scotland Information	77	112	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Pittenweem - Fo051	View Notice - Public Contracts Scotland	108	113	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
Seaham Foreshore - 99	Dredge Spoil Deposit Sites - Open Marine Scotland Information	195	182	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Seahouses - 513	Dredge Spoil Deposit Sites - Open Marine Scotland Information	118	110	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Souter Point (Inner) - 120	Dredge Spoil Deposit Sites - Open Marine Scotland Information	177	164	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Souter Point (Outer) - 119	Dredge Spoil Deposit Sites - Open Marine Scotland Information	177	164	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Stonehaven - Fo003	http://marine.gov.scot/sites/default/files/00008915_-_method_statement.pdf	59	85	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Stonehaven B - Fo007	http://marine.gov.scot/sites/default/files/00008915_-_method_statement.pdf	60	86	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Sunderland - 117	Dredge Spoil Deposit Sites - Open Marine Scotland Information	185	172	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Sutors - Cr019	best_practicable_environmental_option.pdf	194	223	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Tay Bridge - Fo025	Dredge Spoil Deposit Sites - Open Marine Scotland Information	112	125	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Tees (Industrial) - 115	Ossian - Appendix 06.4 - Cumulative Effects Screening.pdf	192	177	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Tees Bay A - 95	2018 update (Redacted) (1).pdf	210	195	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Tees Bay B - 388	2018 update (Redacted) (1).pdf	202	187	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Tees Bay C - 98	2018 update (Redacted) (1).pdf	208	193	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Tyne Tunnel - 118	C6794_Disposal_site_monitoring_report_2023_v0.4.pdf	180	168	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Warkworth Harbour - 127	Dredge Spoil Deposit Sites - Open Marine Scotland Information	143	133	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Whiteness Sands B - Cr023	Microsoft Word - 169051 Sed Plan_2018v1	192	220	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
United Kingdom - Evaporites Agreements within 200 km of Morven North and Morven South																													
Tier 1																													
Boulby Potash Mine	Mining Site Agreements (England, Wales & NI), The Crown Estate Mining Site Agreements (England, Wales & NI), The Crown Estate The Crown Estate Open Data Portal (arccis.com)	203	188	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

C.3 Cumulative effects matrix – Oil and gas temporal

The Oil and Gas projects, plans and activities are shown in Apx Figure 7

Appendix C: Oil and Gas - Temporal

Key	Project Status
	Consenting/Pre-Construction
	Construction
	Operation and Maintenance
	Decommissioning
	Project has been withdrawn from development or operation

Notes - Where no specific lifespan or decommissioning plan is stated for a platform, we have assumed continual operation. Where an end date has been identified, we have assumed a 10 year decommissioning period.

- Where projects are pre-approval and have no known operation schedule, no construction window is indicated

				Oil and Gas: Temporal																				
				Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																				
Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
United Kingdom - Platforms within 200km of Morven North and Morven South																								
Tier 1																								
ALBA NORTH - 700001973	NSTA	High	Operational																					
ANDREW - 700002158	NSTA	High	Operational																					
ARBROATH - 700001906	NSTA	Medium	Operational																					
AUK A - 700002059	NSTA	Medium	Operational																					
BEATRICE PLATFORM - 700002120	NSTA	High	Decommissioning																					
BRITANNIA - 700001971	NSTA	High	Operational																					
BRITANNIA BLP - 700002799	NSTA	High	Operational																					
CAPTAIN Wellhead Protection Platform A - 700002131	NSTA	High	Operational																					
CATS RISER - 700001916	NSTA	High	Operational																					
CLAYMORE Accommodation Platform - 700002126	NSTA	High	Operational																					
CLAYMORE Production Platform - 700002127	NSTA	High	Operational																					
CLYDE - 700002123	NSTA	High	Operational																					
CULZEAN LIVING QTRS AND UTILITY (ULQ) - 700003768	NSTA	High	Operational																					
CULZEAN PROCESSING PLATFORM (CPF) - 700003767	NSTA	High	Operational																					
CULZEAN Wellhead Platform JACKET - 700003731	NSTA	High	Operational																					
ELGIN A Wellhead Platform - 700002140	NSTA	High	Operational																					

Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
ELGIN B Wellhead Platform - 700003444	NSTA	High	Operational																					
ELGIN Process. Utilities and Quarters platform - 700002139	NSTA	High	Operational																					
ERSKINE - 700002132	NSTA	High	Operational																					
ETAP Processing Drilling and Riser - 700001947	NSTA	High	Operational																					
ETAP Quarters and Utilities - 700001948	NSTA	High	Operational																					
Forties Alpha Satellite Platform - 700003547	NSTA	High	Operational																					
FORTIES ALPHA - 700001917	NSTA	High	Operational																					
FORTIES BRAVO - 700001918	NSTA	High	Operational																					
FORTIES CHARLIE - 700001919	NSTA	High	Operational																					
FORTIES DELTA - 700002147	NSTA	High	Operational																					
FORTIES ECHO - 700001920	NSTA	High	Operational																					
FORTIES UNITY - 700002160	NSTA	High	Operational																					
FRANKLIN Wellhead Platform - 700003787	NSTA	High	Operational																					
FULMAR A - 700002073	NSTA	High	Decommissioning																					
FULMAR AD - 700002169	NSTA	High	Decommissioning																					
GANNET A - 700002076	NSTA	High	Operational																					
GOLDEN EAGLE Process Utilities and Quarters PLATFORM - 700003524	NSTA	High	Operational																					
GOLDEN EAGLE WELLHEAD PLATFORM - 700003526	NSTA	High	Operational																					
JACKDAW	NSTA	High	Under Construction																					
JADE - 700002494	NSTA	High	Operational																					
JUDY - 700002050	NSTA	High	Operational																					
KITTIWAKE - 700002084	NSTA	Medium	Operational																					
LOMOND - 700001945	NSTA	Medium	Operational																					
MONTROSE A - 700001950	NSTA	Medium	Operational																					
MONTROSE Bridge Linked PLATFORM - 700003749	NSTA	Medium	Operational																					
MUNGO - 700002152	NSTA	Medium	Operational																					
NELSON A - 0	NSTA	High	Operational																					
NORTH EVEREST - 700001915	NSTA	High	Operational																					

Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078	
PIPER B - 700002128	NSTA	High	Operational																						
PRODUCTION (P) JACKET - 700002574 BUZZARD	NSTA	Low	Operational																						
QUARTERS UTILITIES (QU) JACKET - 700002576 BUZZARD	NSTA	Low	Operational																						
SCOTT JD - 700001883	NSTA	Medium	Operational																						
SCOTT JU - 700001884	NSTA	Medium	Operational																						
SHEARWATER A - 0	NSTA	Medium	Operational																						
SHEARWATER C - 0	NSTA	Medium	Operational																						
Tartan Alpha	NSTA	High	Decommissioning																						
WELLHEAD (W) - 700002575 BUZZARD	NSTA	Low	Operational																						
WEST FRANKLIN WHP - 700002141	NSTA	Medium	Operational																						
United Kingdom - Floating Production Storage and Offloading (FPSO) within 200km of Morven North and Morven South																									
Tier 1 (submitted, consented under construction, or operational)																									
ALBA - 700001974	NSTA	High	Operational																						
ANASURIA - 700002106	NSTA	High	Operational																						
CAPTAIN BLPA - 700002135	NSTA	High	Operational																						
CATCHER - 700003809	NSTA	High	Operational																						
FPF1 - 700003828	NSTA	High	Operational																						
FPSO GLOBAL PRODUCER III - 700002028	NSTA	High	Operational																						
HUMMINGBIRD FPSO - 700003828	NSTA	High	Operational																						
PIERCE FPSO HAEWENE BRIM - 700002130	NSTA	High	Operational																						
ROSS - 700002125	NSTA	High	Operational																						
TRITON - 700001886	NSTA	High	Operational																						
United Kingdom - Licence Blocks within 200km of Morven North and Morven South																									
Tier 1 (submitted, consented under construction, or operational)																									
13/23c	NSTA	High	Operational																						
14/15a	NSTA	High	Operational																						
14/20d	NSTA	High	Operational																						
14/23a	NSTA	High	Operational																						
14/24a	NSTA	High	Operational																						
14/27a	NSTA	High	Operational																						

Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
14/28a	NSTA	High	Operational																					
14/29a	NSTA	High	Operational																					
14/30a	NSTA	High	Operational																					
15/11a	NSTA	High	Operational																					
15/12a	NSTA	High	Operational																					
15/13c	NSTA	High	Operational																					
15/18a	NSTA	High	Operational																					
15/18c	NSTA	High	Operational																					
15/19a	NSTA	High	Operational																					
15/22b	NSTA	High	Operational																					
15/23b	NSTA	High	Operational																					
15/27a	NSTA	High	Operational																					
15/28a	NSTA	High	Operational																					
15/29d	NSTA	High	Operational																					
16/22b	NSTA	High	Operational																					
19/10a	NSTA	High	Operational																					
19/5a	NSTA	High	Operational																					
20/1b	NSTA	High	Operational																					
20/28	NSTA	High	Operational																					
20/29	NSTA	High	Operational																					
20/2d	NSTA	High	Operational																					
20/30a	NSTA	High	Operational																					
20/3a	NSTA	High	Operational																					
20/5a	NSTA	High	Operational																					
20/6a	NSTA	High	Operational																					

Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
20/6d	NSTA	High	Operational																					
20/7d	NSTA	High	Operational																					
20/8c	NSTA	High	Operational																					
21/25c	NSTA	High	Operational																					
21/2a	NSTA	High	Operational																					
21/12a	NSTA	High	Operational																					
21/12b	NSTA	High	Operational																					
21/12c	NSTA	High	Operational																					
21/13a	NSTA	High	Operational																					
21/13b	NSTA	High	Operational																					
21/14b	NSTA	High	Operational																					
21/17a	NSTA	High	Operational																					
21/18a	NSTA	High	Operational																					
21/18b	NSTA	High	Operational																					
21/18d	NSTA	High	Operational																					
21/19b	NSTA	High	Operational																					
21/19c	NSTA	High	Operational																					
21/1a	NSTA	High	Operational																					
21/1b	NSTA	High	Operational																					
21/24d	NSTA	High	Operational																					
21/25b	NSTA	High	Operational																					
21/26a	NSTA	High	Operational																					
21/2d	NSTA	High	Operational																					
21/30b	NSTA	High	Operational																					

Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
21/30f	NSTA	High	Operational																					
21/30i	NSTA	High	Operational																					
21/3d	NSTA	High	Operational																					
21/4c	NSTA	High	Operational																					
21/5c	NSTA	High	Operational																					
21/5d	NSTA	High	Operational																					
21/6a	NSTA	High	Operational																					
21/7b	NSTA	High	Operational																					
22/14c	NSTA	High	Operational																					
22/15a	NSTA	High	Operational																					
22/17s	NSTA	High	Operational																					
22/18c	NSTA	High	Operational																					
22/18e	NSTA	High	Operational																					
22/19a	NSTA	High	Operational																					
22/19c	NSTA	High	Operational																					
22/20a	NSTA	High	Operational																					
22/20c	NSTA	High	Operational																					
22/20d	NSTA	High	Operational																					
22/21b	NSTA	High	Operational																					
22/22a	NSTA	High	Operational																					
22/24h	NSTA	High	Operational																					
22/24k	NSTA	High	Operational																					
22/26a	NSTA	High	Operational																					
22/9b	NSTA	High	Operational																					

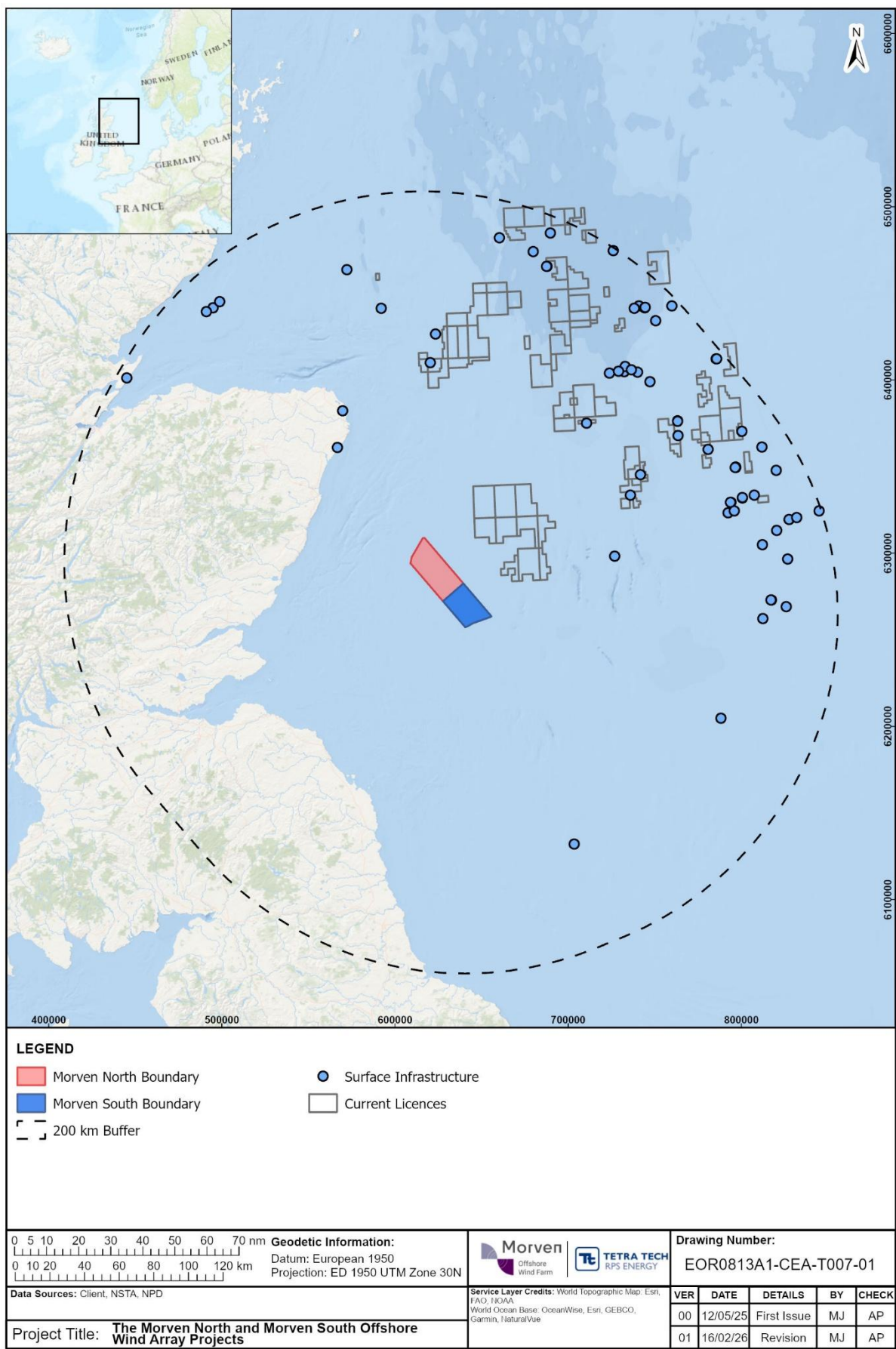
Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
23/16a	NSTA	High	Operational																					
23/21b	NSTA	High	Operational																					
23/26e	NSTA	High	Operational																					
23/26g	NSTA	High	Operational																					
15/28b	NSTA	High	Operational																					
15/29c	NSTA	High	Operational																					
21/30g	NSTA	High	Operational																					
21/30h	NSTA	High	Operational																					
22/10b	NSTA	High	Operational																					
22/12b	NSTA	High	Operational																					
22/15c	NSTA	High	Operational																					
22/21d	NSTA	High	Operational																					
22/24f	NSTA	High	Operational																					
22/25e	NSTA	High	Operational																					
22/26e	NSTA	High	Operational																					
22/29b	NSTA	High	Operational																					
22/30d	NSTA	High	Operational																					
23/11b	NSTA	High	Operational																					
23/16d	NSTA	High	Operational																					
23/16e	NSTA	High	Operational																					
23/17a	NSTA	High	Operational																					
23/26c	NSTA	High	Operational																					
23/6	NSTA	High	Operational																					
27/10a	NSTA	High	Operational																					

Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
27/3a	NSTA	High	Operational																					
27/4a	NSTA	High	Operational																					
27/5a	NSTA	High	Operational																					
27/9a	NSTA	High	Operational																					
28/1a	NSTA	High	Operational																					
28/6a	NSTA	High	Operational																					
29/10c	NSTA	High	Operational																					
29/15	NSTA	High	Operational																					
29/16	NSTA	High	Operational																					
29/17	NSTA	High	Operational																					
29/18	NSTA	High	Operational																					
29/19	NSTA	High	Operational																					
29/21	NSTA	High	Operational																					
29/22	NSTA	High	Operational																					
29/23	NSTA	High	Operational																					
29/27	NSTA	High	Operational																					
29/28	NSTA	High	Operational																					
29/2a	NSTA	High	Operational																					
29/2c	NSTA	High	Operational																					
29/3b	NSTA	High	Operational																					
29/5a	NSTA	High	Operational																					
29/7b	NSTA	High	Operational																					
30/11c	NSTA	High	Operational																					
30/13b	NSTA	High	Operational																					

Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
30/16i	NSTA	High	Operational																					
30/1a	NSTA	High	Operational																					
30/1b	NSTA	High	Operational																					
30/2b	NSTA	High	Operational																					
30/2e	NSTA	High	Operational																					
30/2f	NSTA	High	Operational																					
30/2g	NSTA	High	Operational																					
30/3c	NSTA	High	Operational																					
30/6c	NSTA	High	Operational																					
30/6d	NSTA	High	Operational																					
30/7d	NSTA	High	Operational																					
30/8a	NSTA	High	Operational																					
30/11a	NSTA	High	Operational																					
30/12c	NSTA	High	Operational																					
30/12d	NSTA	High	Operational																					
30/13c	NSTA	High	Operational																					
30/17h	NSTA	High	Operational																					
30/18c	NSTA	High	Operational																					
30/1d	NSTA	High	Operational																					
30/6a	NSTA	High	Operational																					
36/14a	NSTA	High	Operational																					
36/15a	NSTA	High	Operational																					
36/19	NSTA	High	Operational																					
36/20	NSTA	High	Operational																					

Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078		
36/30b	NSTA	High	Operational																							
36/30c	NSTA	High	Operational																							
37/11a	NSTA	High	Operational																							
37/16	NSTA	High	Operational																							
37/26	NSTA	High	Operational																							
37/27	NSTA	High	Operational																							
41/10a	NSTA	High	Operational																							
41/5a	NSTA	High	Operational																							
42/1a	NSTA	High	Operational																							
42/2b	NSTA	High	Operational																							
42/3	NSTA	High	Operational																							
42/4	NSTA	High	Operational																							
42/5b	NSTA	High	Operational																							
42/5c	NSTA	High	Operational																							
42/7a	NSTA	High	Operational																							
42/8a	NSTA	High	Operational																							
43/1a	NSTA	High	Operational																							
1/2-1 IM Blane	NPD	Low	Operational																							
1/2-1 PE Blane	NPD	Low	Operational																							
1/2-1 PW Blane	NPD	Low	Operational																							
36/22-BP	NPD	Low	Operational																							
37/4-BP	NPD	Low	Operational																							
13/23a	NSTA	Low	Operational																							
United Kingdom - Other infrastructure within 200km of Morven North and Morven South																										
Tier 1 (submitted, consented under construction, or operational)																										

Project	Information in the Public Domain	Data Confidence Assessment	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
CRUDE BAY TANKS TERMINAL - 700002381	NSTA	Medium	Operational																					
NIGG BAY TERMINAL - 700002431	NSTA	Medium	Decommissioning																					
ST FERGUS GAS TERMINAL - 700002376	NSTA	High	Operational																					
Decommissioned projects																								
JACKY WELLHEAD PLATFORM		High	Decommissioned																					
BOOSTER PLATFORM 37/4A NORPIPE A.S - 700002350	NSTA	High	Decommissioned																					
BOOSTER PLATFORM 36/22A NORPIPE A.S - 700002351	NSTA	High	Decommissioned																					
OSELVAR	NPD	High	Decommissioned																					
SALTIRE	NSTA	High	Decommissioned																					



Apx Figure 7: Oil and gas projects, plans and activities within 200km of Morven North and Morven South

C.4 Cumulative effects matrix – Oil and gas spatial and screening

Appendix C: Oil and Gas - Spatial and Screening																													
Key	Stage 3 screening criteria																												
a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment. Screened out of assessment.																												
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact assessment: Screened in to assessment.																												
c	Potential cumulative impact exists: Screened in to assessment.																												
d	No conceptual effect-receptor pathway: Screened out of assessment.																												
e	Low data confidence or availability: Screened out of assessment.																												
f	No physical effect-receptor overlap: Screened out of assessment.																												
g	No temporal overlap: Screened out of assessment.																												
h	Project has been withdrawn from development or operation: Screened out of assessment.																												
Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes	Benthic Subtidal Ecology	Fish & Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Aviation (Military and Civil)	Other Sea Users	Socio-economics	Human Health												
United Kingdom - Platforms within 200km of Morven North and Morven South																													
Tier 1						North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South
ALBA NORTH - 700001973	Alba Ithaca Energy	182	189	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ANDREW - 700002158	Oil & gas field profile: Andrew Conventional Oil Field, UK (offshore-technology.com)	196	200	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ARBROATH - 700001906	Oil & gas field profile: Arbroath Conventional Oil Field, UK (offshore-technology.com)	150	150	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
AUK A - 700002059	Oil & gas field profile: Auk Conventional Oil Field, UK (offshore-technology.com)	174	157	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
BEATRICE PLATFORM - 700002120	RP-DTABEA001-HS-0021-C02-Beatrice-Decommissioning-EIA-Scoping-Report_2023-11-10-155430_mcam.pdf	180	215	Decommissioning	High	f	f	d	d	h	h	g	g	d	d	g	g	g	g	g	g	d	d	f	f	d	d	d	d
BRITANNIA - 700001971	Oil & gas field profile: Britannia Conventional Gas Field, UK (offshore-technology.com)	184	191	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
BRITANNIA BLP - 700002799	Captain Ithaca Energy	184	191	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CAPTAIN Wellhead Protection Platform A - 700002131	Oil & gas field profile: Captain Heavy Oil Field, UK (offshore-technology.com)	160	193	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CATS RISER - 700001916	CATS Pipeline Kellas Midstream	195	195	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CLAYMORE Accommodation Platform - 700002126	Oil & gas field profile: Claymore Conventional Oil Field, UK (offshore-technology.com)	179	201	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CLAYMORE Production Platform 700002127	Oil & gas field profile: Claymore Conventional Oil Field, UK (offshore-technology.com)	179	201	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CLYDE - 700002123	Oil & gas field profile: Clyde Conventional Oil Field, UK	187	170	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CULZEAN LIVING QTRS AND UTILITY (ULQ) - 700003768	Culzean: a large gas project in the North Sea TotalEnergies.com	171	165	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CULZEAN PROCESSING PLATFORM (CPF) - 700003767	Culzean: a large gas project in the North Sea TotalEnergies.com	171	165	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CULZEAN Wellhead Platform JACKET - 700003731	Culzean: a large gas project in the North Sea TotalEnergies.com	171	165	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ELGIN A Wellhead Platform - 700002140	Oil & gas field profile: Elgin Conventional Gas Field, UK (offshore-technology.com)	161	153	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ELGIN B Wellhead Platform - 700003444	Oil & gas field profile: Elgin Conventional Gas Field, UK (offshore-technology.com)	161	153	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ELGIN Process. Utilities and Quarters platform - 700002139	Oil & gas field profile: Elgin Conventional Gas Field, UK (offshore-technology.com)	161	153	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ERSKINE - 700002132	Oil & gas field profile: Erskine Conventional Gas Field, UK (offshore-technology.com)	176	167	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ETAP Processing Drilling and Riser - 700001947	Eastern Trough Area Project (ETAP), North Sea Central, UK - Offshore Technology (offshore-technology.com)	161	158	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
ETAP Quarters and Utilities - 700001948	Eastern Trough Area Project (ETAP), North Sea Central, UK - Offshore Technology (offshore-technology.com)	161	158	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Forties Alpha Satellite Platform - 700003547	Forties Area - APA Corporation	154	157	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FORTIES ALPHA - 700001917	Forties Area - APA Corporation	154	157	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FORTIES BRAVO - 700001918	Forties Area - APA Corporation	154	157	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FORTIES CHARLIE - 700001919	BP Forties System The Largest Offshore Oil Gathering Network in the World Hydraulic Analysis Limited (hydraulic-analysis.com)	148	152	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FORTIES DELTA - 700002147	Forties Area - APA Corporation	150	153	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FORTIES ECHO - 700001920	Forties Area - APA Corporation	156	158	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FORTIES UNITY - 700002160	Forties Area - APA Corporation	143	148	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FRANKLIN Wellhead Platform - 700003787	Elgin-Franklin Offshore Field, North Sea - Offshore Technology (offshore-technology.com)	162	153	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FULMAR A - 700002073	Fulmar Field Decommissioning, North Sea, UK	178	162	Decommissioning	High	f	f	d	d	f	f	g	g	d	d	g	g	f	f	f	f	d	d	f	f	d	d	d	d
FULMAR AD - 700002169	Fulmar Field Decommissioning, North Sea, UK	178	162	Decommissioning	High	f	f	d	d	f	f	g	g	d	d	g	g	f	f	f	f	d	d	f	f	d	d	d	d
GANNET A - 700002076	Oil & gas field profile: Gannet A Conventional Oil Field, UK (offshore-technology.com)	120	118	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
GOLDEN EAGLE Process Utilities and Quarters PLATFORM - 700003524	Oil & gas field profile: Golden Eagle Conventional Oil Field, UK (offshore-technology.com)	118	145	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
GOLDEN EAGLE WELLHEAD PLATFORM - 700003526	Oil & gas field profile: Golden Eagle Conventional Oil Field, UK (offshore-technology.com)	118	145	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
JACKDAW	Shell submits new climate assessment for Jackdaw gas field - BBC News https://www.shell.co.uk/about-us/what-we-do/oil-and-gas/shell-jackdaw-project.html	192	181	Under Construction	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
JADE - 700002494	Jade Conventional Gas Field, UK (offshore-technology.com)	183	172	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
JUDY - 700002050	Oil & gas field profile: Judy Conventional Gas Field, UK (offshore-technology.com)	188	174	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
KITTIWAKE - 700002084	Scolty and Crathes Field Development, North Sea - Offshore Technology (offshore-technology.com)	114	117	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
LOMOND - 700001945	Oil & gas field profile: Lomond Conventional Gas Field, UK (offshore-technology.com)	190	184	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
MONTROSE A - 700001950	New Montrose Platform Successfully Installed (repsolsinopecuk.com)	155	155	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
MONTROSE Bridge Linked PLATFORM - 700003749	New Montrose Platform Successfully Installed (repsolsinopecuk.com)	155	155	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
MUNGO - 700002152	Oil & gas field profile: Mungo Conventional Oil Field, UK (offshore-technology.com)	183	180	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
NELSON A - 0	NELSON 021799_Asset Fact Sheets MARKETING-Dec2024	158	159	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
NORTH EVEREST - 700001915	Oil & gas field profile: Everest Conventional Gas Field, UK (offshore-technology.com) https://www.harbourenergy.com/operations/uk-north-sea/aele/#:~:text=North%20Everest%20in%20Block%2022%2F10a-A%20is%20a%20combined,subsea%20wellheads%20and%20Everest%20East%20Expansion%20%28EEE%29%20wells	195	195	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PIPER B - 700002128	Piper Bravo Confirmed for Marigold Field Development (repsolsinopecuk.com)	190	208	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PRODUCTION (P) JACKET - 700002574 BUZZARD	Buzzard oil field - Wikipedia	101	129	Operational	Low	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
QUARTERS UTILITIES (QU) JACKET - 700002576 BUZZARD	Buzzard oil field - Wikipedia	101	129	Operational	Low	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
SCOTT JD - 700001883	Oil & gas field profile: Scott Conventional Oil Field, UK	172	189	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
SCOTT JU - 700001884	Oil & gas field profile: Scott Conventional Oil Field, UK	172	189	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
SHEARWATER A - 0	Shearwater Conventional Gas Field, UK (offshore-technology.com)	169	160	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
SHEARWATER C - 0	Shearwater Conventional Gas Field, UK (offshore-technology.com)	169	160	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
Tartan Alpha	Microsoft Word - Decommissioning Programme (Topsides) - Final Approved October 2022.doc	177	196	Decommissioning	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	g	g	d	d	f	f	d	d	d	d
WELLHEAD (W) - 700002575 BUZZARD	Buzzard oil field - Wikipedia	101	129	Operational	Low	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
WEST FRANKLIN WHP - 700002141	West Franklin Phase 2, North Sea - Offshore Technology (offshore-technology.com)	158	149	Operational	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
United Kingdom - Floating Production Storage and Offloading (FPSO) within 200km of Morven North and Morven South																													
Tier 1 (submitted, consented under construction, or operational)																													
ALBA - 700001974		180	187	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ANASURIA - 700002106	Hibiscus Petroleum United Kingdom	114	114	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CAPTAIN BLPA - 700002135	Ithaca sanctions EOR Stage 2 project at Captain field offshore UK https://www.ithacaenergy.com/assets/captain	161	193	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
CATCHER - 700003809	Catcher Area Harbour Energy Harbour Energy	89	79	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	a	a	f	f	d	d	f	f	d	d	d	d
FPF1 - 700003828	Operations Ithaca Energy	174	162	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
FPSO GLOBAL PRODUCER III - 700002028	NSTA - Licence Documents	199	211	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
HUMMINGBIRD FPSO - 700003828	Teekay hands over FPSO vessel for UK project with potential to be powered by offshore wind - Offshore Energy https://www.offshore-energy.biz/teekay-hands-over-fpso-vessel-for-uk-project-with-potential-to-be-powered-by-offshore-wind/	183	188	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
PIERCE FPSO HAEWENE BRIM - 700002130	PIERCE 021799_Asset Fact Sheets MARKETING-Dec2024	192	185	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ROSS - 700002125	Provision of Information - Repsol Resources UK	134	166	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
TRITON - 700001886	Triton Area	109	106	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
United Kingdom - Licence Blocks within 200km of Morven North and Morven South																													
Tier 1 (submitted, consented under construction, or operational)																													
13/23c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	151	182	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
14/15a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	185	207	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
14/20d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	179	200	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
14/23a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	144	168	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
14/24a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	146	168	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
14/27a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	123	149	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
14/28a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	125	149	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
14/29a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	134	155	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
14/30a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	141	161	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/11a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	189	209	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/12a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	195	213	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/13c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	198	215	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
15/18a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	195	210	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/18c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	193	210	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/19a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	194	209	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/22b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	167	183	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/23b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	166	180	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/27a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	144	159	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/28a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	151	163	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/29d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	174	184	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
16/22b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	196	203	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
19/10a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	96	124	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
19/5a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	103	131	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
20/1b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	104	130	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
20/28	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	29	38	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
20/29	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	39	42	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
20/2d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	106	130	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
20/30a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	48	49	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
20/3a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	107	130	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
20/5a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	123	140	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
20/6a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	96	123	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
20/6d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	87	114	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	a	a	f	f	d	d	f	f	d	d	d	d
20/7d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	99	125	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
20/8c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	104	127	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/25c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	111	110	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/2a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	129	142	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/12a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	106	112	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/12b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	102	109	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
21/12c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	114	120	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/13a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	116	121	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/13b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	111	115	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/14b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	121	123	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/17a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	97	102	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/18a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	110	114	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/18b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	115	118	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/18d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	109	112	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/19b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	118	120	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/19c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	118	118	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/1a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	125	141	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/1b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	122	137	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/24d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	112	112	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/25b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	113	112	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/26a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	58	58	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	f	f	d	d	d	d
21/2d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	138	149	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/30b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	113	111	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/30f	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	101	97	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/30i	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	108	103	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/3d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	148	160	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/4c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	157	167	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/5c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	162	170	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/5d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	163	171	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/6a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	107	120	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/7b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	121	133	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/14c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	170	170	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
22/15a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	179	178	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/17s	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	143	143	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/18c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	156	154	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/18e	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	158	156	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/19a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	160	157	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/19c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	162	161	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/20a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	180	177	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/20c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	171	167	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/20d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	174	171	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/21b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	119	117	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/22a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	142	141	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/24h	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	154	149	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/24k	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	159	156	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/26a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	118	116	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/9b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	180	180	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/16a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	182	178	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/21b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	175	169	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/26e	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	176	167	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/26g	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	175	168	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/28b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	155	168	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
15/29c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	158	169	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/30g	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	107	104	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
21/30h	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	105	103	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/10b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	192	192	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/12b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	149	149	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/15c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	186	186	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
22/21d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	124	123	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/24f	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	159	154	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/25e	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	165	160	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/26e	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	116	113	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/29b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	156	147	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
22/30d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	159	152	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/11b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	191	190	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/16d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	182	178	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/16e	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	195	192	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/17a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	193	188	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/26c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	170	162	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
23/6	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	199	199	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
27/10a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	32	25	Operational	High	f	d	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
27/3a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	22	27	Operational	High	d	d	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
27/4a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	30	30	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
27/5a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	41	41	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
27/9a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	22	20	Operational	High	d	d	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
28/1a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	48	46	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
28/6a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	44	35	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	a	a	d	d	d	d
29/10c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	155	144	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/15	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	155	140	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/16	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	108	91	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	a	a	f	f	d	d	f	f	d	d	d	d
29/17	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	120	103	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/18	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	132	115	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/19	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	144	128	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/21	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	112	92	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	a	a	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
29/22	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	124	105	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/23	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	136	117	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/27	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	131	109	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/28	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	142	121	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/2a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	119	109	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/2c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	120	111	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/3b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	131	121	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/5a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	156	144	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
29/7b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	118	106	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/11c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	167	152	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/13b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	203	187	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/16i	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	168	152	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/1a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	169	159	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/1b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	178	167	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/2b	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	182	172	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/2e	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	187	175	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/2f	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	180	169	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/2g	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	181	170	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/3c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	192	180	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/6c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	167	154	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/6d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	167	153	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/7d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	188	175	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/8a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	192	178	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/11a	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	173	159	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/12c	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	187	172	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/12d	https://hub.arcgis.com/documents/NS TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	179	165	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
30/13c	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	192	177	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/17h	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	185	169	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/18c	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	193	177	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/1d	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	176	166	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
30/6a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	167	155	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
36/14a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	145	121	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
36/15a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	153	128	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
36/19	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	153	129	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
36/20	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	161	136	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
36/30b	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	190	167	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
36/30c	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	198	176	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
37/11a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	161	136	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
37/16	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	168	143	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
37/26	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	198	174	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
37/27	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	205	181	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
41/10a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	201	183	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
41/5a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	190	172	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
42/1a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	192	174	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
42/2b	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	203	184	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
42/3	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	194	174	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
42/4	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	200	179	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
42/5b	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	209	187	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
42/5c	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	206	184	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
42/7a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	208	189	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
42/8a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	211	192	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
43/1a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	213	190	Operational	High	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
1/2-1 IM Blane	https://www.sodir.no/en/about-us/open-data/	196	185	Operational	Low	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d

Project	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviaion (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
1/2-1 PE Blane	https://www.sodir.no/en/about-us/open-data/	196	185	Operational	Low	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
1/2-1 PW Blane	https://www.sodir.no/en/about-us/open-data/	196	185	Operational	Low	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
36/22-BP	https://www.sodir.no/en/about-us/open-data/	159	140	Operational	Low	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
37/4-BP	https://www.sodir.no/en/about-us/open-data/	168	145	Operational	Low	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
13/23a	https://hub.arcgis.com/documents/NS-TAUTHORITY::nsta-offshore-zipped-shapefiles-ed50/about	155	186	Operational	Low	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
United Kingdom - Other infrastructure within 200km of Morven North and Morven South																													
Tier 1 (submitted, consented under construction, or operational)																													
CRUDE BAY TANKS TERMINAL - 700002381	https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/992939/Total_-_Environmental_Annual_Statement_2020.pdf	72	107	Operational	Medium	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	f	f	d	d	d	d
NIGG BAY TERMINAL - 700002431	Decommissioning kicks off at decades-old Nigg oil terminal	194	223	Decommissioning	Medium	f	f	d	d	f	f	a	a	d	d	a	a	f	f	f	f	d	d	f	f	d	d	d	d
ST FERGUS GAS TERMINAL - 700002376	NSMP St. Fergus Gas Terminal	87	122	Operational	High	f	f	a	a	f	f	a	a	d	d	a	a	a	a	f	f	d	d	f	f	d	d	d	d
Decommissioned projects																													
JACKY WELLHEAD PLATFORM	Jacky_Wellhead_Platform_Decommissioning_Programmes.pdf			Decommissioned	High	f	f	d	d	h	h	g	g	d	d	g	g	g	g	g	g	d	d	f	f	d	d	d	d
BOOSTER PLATFORM 37/4A NORPIPE A.S - 700002350	Norpipe 36/22 A – Ekofisk	168	145	Decommissioned	High	f	f	d	d	f	f	g	g	d	d	g	g	g	g	f	f	d	d	f	f	d	d	d	d
BOOSTER PLATFORM 36/22A NORPIPE A.S - 700002351	Norpipe 36/22 A – Ekofisk	159	140	Decommissioned	High	f	f	d	d	f	f	g	g	d	d	g	g	g	g	f	f	d	d	f	f	d	d	d	d
OSELVAR	https://www.sodir.no/en/about-us/open-data/ https://www.norsktopetroleum.no/en/facts/field/oselvar/	210	199	Decommissioned	High	f	f	d	d	f	f	g	g	d	d	g	g	g	g	f	f	d	d	f	f	d	d	d	d
SALTIRE	SALTIRE_A_TOPSIDES__SUBSEA_DECOMMISSIONING_PROGRAMME_-_FINAL.PDF	188	205	Decommissioned	High	f	f	d	d	f	f	g	g	d	d	g	g	g	g	f	f	d	d	f	f	d	d	d	d

C.5 Cumulative effects matrix – Coastal temporal

The Coastal projects, plans and activities are shown in Apx Figure 8.

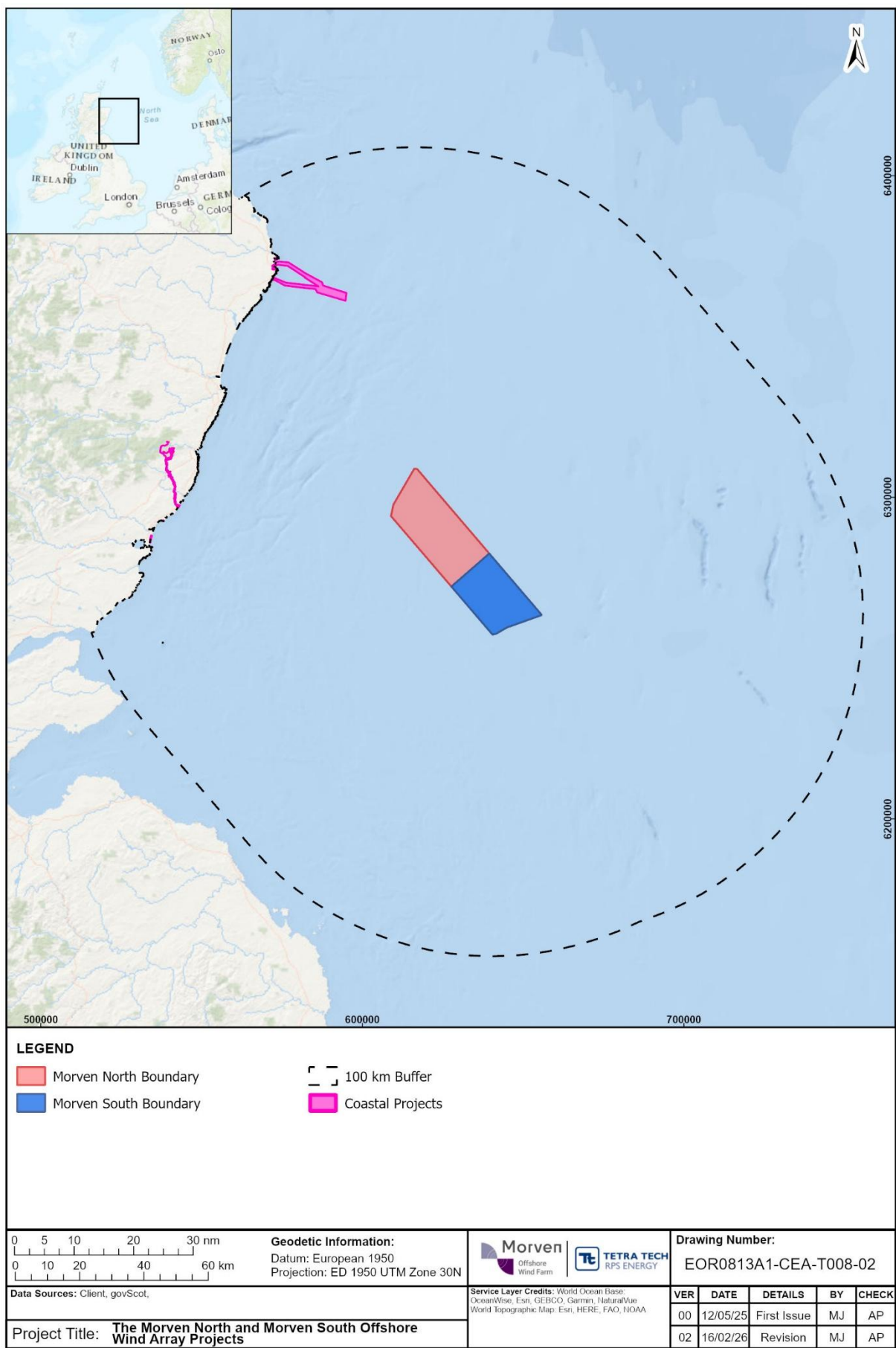
Appendix C: Coastal projects - Temporal

Key	Project Status
	Consenting/Pre-Construction
	Construction
	Operation and Maintenance
	Decommissioning
	Project has been withdrawn from development or operation

NOTE - Where projects are pre-approval and have no known operation schedule, no construction window is indicated

								Coastal Applications: Temporal																				
								Offshore Construction Window (BLUE line denotes the construction window for Morven North and Morven South, where both projects are to be built sequentially. GREEN line denotes the indicative date of first operation for either Morven North or Morven South where the projects are built sequentially).																				
Project ID	Project Name	Project Type	Data Confidence Assessment	Licence Reference	Local authority	Document referenced	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
United Kingdom - Coastal applications up to 100m landward of the mean high water (MHW) line and within 100km of Morven North and Morven South																												
Tier 1																												
424	Sea and flood extension	Construction of new works	High	APP/2020/2191	Aberdeenshire	APP/2020/2191 Extension to Existing Sea and Flood Protection Measures Murray McBay And Co Murray McBay Lobster Merchant Fore Street Johnshaven Aberdeenshire DD10 0EU	Active/In Operation																					
512	Peterhead Power Station	Construction of new works	High	APP/2022/0846	Aberdeenshire	APP/2022/0846 Consultation under Section 36 for Erection of Low Carbon Electricity Generating Comprising a High Efficiency Combined Cycle Gas Turbine (CCGT) Unit, Carbon Capture Plant, Works to Existing Cooling Water, Natural Gas and Electrical Grid Connections, Other Ancillary and Associated Works Land At Peterhead Power Station Boddam Aberdeenshire	Active/In Operation																					
493	Rock armour Installation	Construction of new works	High	APP/2024/1060	Aberdeenshire	APP/2024/1060 Installation Of Rock Armour Land Adjacent To Tangleha House St Cyrus Aberdeenshire DD10 0DQ	Active/In Operation																					
217	Smith Quay Extension	Construction of new works	High	ENQ/2024/0700	Aberdeenshire	scr-0084_-_peterhead_port_authority_per_niras_-_quay_extension_-_smith_quay_peterhead_-_screening_request_report_-_30_april_2.pdf	Active/In Operation																					
68	Bowdun Offshore Wind Farm - Onshore Transmission Infrastructure	Construction of new works	High	APP/2025/1952	Aberdeenshire	APP/2025/1952 National Onshore Infrastructure Associated with the Proposed Bowdun Offshore Wind Farm Including Export Cable Landfall and Cable Circuits, Erection of Substation and Associated Works Bowdun Offshore Windfarm (Onshore Infrastructure) Land At Benholm, Johnshaven Connecting To Fetteresso Forest Aberdeenshire	Active/In Operation																					

Project ID	Project Name	Project Type	Data Confidence Assessment	Licence Reference	Local authority	Document referenced	Status of Development	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044-2078
1370	Montrose Dune Restoration	Construction of new works	High	24/00233/EIASCR	Angus	24/00233/EIASCR Dune restoration comprising construction of groynes, beach nourishment and formation of vehicular access to beach Montrose Bay Traill Drive Montrose	Active/In Operation																					
22	Montrose rock armour construction	Construction of new works and dune infill works	High	24/00233/EIASCR	Angus	24/00233/EIASCR Dune restoration comprising construction of groynes, beach nourishment and formation of vehicular access to beach Montrose Bay Traill Drive Montrose	Active/In Operation																					
Tier 2																												
212	CNSE Project Central North Sea	Proposed offshore HVDC grid project aiming to power oil and gas platforms with clean electricity,	High	ENQ/2023/0876	Aberdeenshire	ENQ/2023/0876 Offshore Wind Farm Project CNSE Project Central North Sea	Consenting/Pre-Construction																					



Apx Figure 8: Coastal projects, plans and activities within 100km of Morven North and Morven South

C.6 Cumulative effects matrix – Coastal spatial and screening

Appendix C: Coastal projects - Spatial and Screening

Key	Stage 3 screening criteria
a	Included as part of the topic baseline and hence not considered within the cumulative impact assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact assessment: Screened in to assessment.
c	Potential cumulative impact exists: Screened in to assessment.
d	No conceptual effect-receptor pathway: Screened out of assessment.
e	Low data confidence or availability: Screened out of assessment.
f	No physical effect-receptor overlap: Screened out of assessment.
g	No temporal overlap: Screened out of assessment.
h	Project has been withdrawn from development or operation: Screened out of assessment.

Project ID	Project Name	Project Type	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes	Benthic Subtidal Ecology	Fish & Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Aviation (Military and Civil)	Other Sea Users	Socio-economics	Human Health
United Kingdom - Coastal applications up to 100m landward of the mean high water (MHW) line and within 100km of Morven North and Morven South																			
Tier 1								Nort h	Sout h	Nort h	Sout h	Nort h	Sout h	Nort h	Sout h	Nort h	Sout h	Nort h	Sout h
424	Sea and flood extension	Construction of new works	APP/2020/2191 Extension to Existing Sea and Flood Protection Measures Murray McBay And Co Murray McBay Lobster Merchant Fore Street Johnshaven Aberdeenshire DD10 0EU	68	90	Active/In Operation	High	f	f	d	d	f	f	a	a	d	d	d	d
512	Peterhead Power Station	Construction of new works	APP/2022/0846 Consultation under Section 36 for Erection of Low Carbon Electricity Generating Comprising a High Efficiency Combined Cycle Gas Turbine (CCGT) Unit, Carbon Capture Plant, Works to Existing Cooling Water, Natural Gas and Electrical Grid Connections, Other Ancillary and Associated Works Land At Peterhead Power Station Boddam Aberdeenshire	76	111	Active/In Operation	High	f	f	d	d	f	f	a	a	d	d	d	d
493	Rock armour Installation	Construction of new works	APP/2024/1060 Installation Of Rock Armour Land Adjacent To Tangleha House St Cyrus Aberdeenshire DD10 0DQ	71	92	Active/In Operation	High	f	f	d	d	f	f	a	a	d	d	d	d
217	Smith Quay Extension	Construction of new works	scr-0084_-_peterhead_port_authority_per_niras_-_quay_extension_-_smith_quay_peterhead_-_screening_request_report_-_30_april_2.pdf	78	113	Active/In Operation	High	f	f	d	d	f	f	a	a	d	d	d	d
68	Bowdun Offshore Wind Farm - Onshore Transmission Infrastructure	Construction of new works	APP/2025/1952 National Onshore Infrastructure Associated with the Proposed Bowdun Offshore Wind Farm Including Export Cable Landfall and Cable Circuits, Erection of Substation and Associated Works Bowdun Offshore Windfarm (Onshore Infrastructure) Land At Benholm, Johnshaven Connecting To Fetteresso Forest Aberdeenshire	66	81	Active/In Operation	High	f	f	d	d	f	f	f	f	d	d	f	f
1370	Montrose Dune Restoration	Construction of new works	24/00233/EIASCR Dune restoration comprising construction of groynes, beach nourishment and formation of vehicular access to beach Montrose Bay Traill Drive Montrose	75	94	Active/In Operation	High	f	f	d	d	f	f	a	a	d	d	d	d
22	Montrose rock armour construction	Construction of new works and dune infill works	24/00233/EIASCR Dune restoration comprising construction of groynes, beach nourishment and formation of vehicular access to beach Montrose Bay Traill Drive Montrose	75	95	Active/In Operation	High	f	f	d	d	f	f	a	a	d	d	f	f
Tier 2																			

Project ID	Project Name	Project Type	Data Sources	Distance from Morven North Site Boundary (km)	Distance from Morven South Site Boundary (km)	Status of Development	Data Confidence	Physical Processes		Benthic Subtidal Ecology		Fish & Shellfish Ecology		Marine Mammals		Offshore Ornithology		Commercial Fisheries		Shipping and Navigation		Marine Archaeology		Aviation (Military and Civil)		Other Sea Users		Socio-economics		Human Health	
212	CNSE Project Central North Sea	Proposed offshore HVDC grid project aiming to power oil and gas platforms with clean electricity,	EIA Scoping Report	56	90	Consenting/Pre-Construction	High	f	f	e	e	f	f	a	a	d	d	d	d	e	e	f	f	d	d	f	f	d	d	d	d