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# **Acronyms & Definitions**

# **Abbreviations / Acronym**

Abbreviation / Acronym	Description	
AEol	Adverse Effect on Integrity	
ANS	Artificial Nesting Structure	
BESS	British Energy Security Strategy	
BEIS	Business, Energy and Industrial Strategy (now the Department for Energy	
	Security and Net Zero (DESNZ))	
COWSC	Collaboration on Offshore Wind Strategic Compensation	
DAS	Digital Aerial Survey	
DBSE	Dogger Bank South East	
DBSW	Dogger Bank South West	
DCO	Development Consent Order	
Defra	Department for Environment, Food and Rural Affairs	
DESNZ	Department for Energy Security and Net Zero, formerly Department of	
	Business, Energy and Industrial Strategy (BEIS), which was previously	
	Department of Energy & Climate Change (DECC)	
EPP	Evidence Plan Process	
ETG	Expert Technical Group	
FFC	Flamborough and Filey Coast	
GT R4 Ltd	The Applicant. The special project vehicle created in partnership between	
	Corio Generation (a wholly owned Green Investment Group portfolio	
LIDAL	companyand it's affiliates), Gulf Energy Development and TotalEnergies	
HPAI	Highly Pathogenic Avian Influenza Habitats Regulations Assessment	
HRA	-	
IFCA	Inshore Fisheries and Conservation Authority	
IROPI	imperative Reasons of Overriding Public Interest	
JNCC	Joint Nature Conservation Committee	
KCIMP	Kittiwake Compensation Implementation and Monitoring Plan	
KSCP	Kittiwake Strategic Compensation Plan	
KSIMP	Kittiwake Strategic Implementation and Monitoring Plan	
MMF	Mean Max Foraging	
ММО	Marine Management Organisation	
MRF	Marine Recovery Fund	
MPA	Marine Protected Area	
MRF	Marine Recovery Fund	
NSIP	Nationally Significant Infrastructure Project	
ORBA	Offshore Restricted Build Area	
ORCP	Offshore Reactive Compensation Platform	
OWF	Offshore Wind Farm	
OWIC	Offshore Wind Industry Council	
PINS	Planning Inspectorate	
RIAA	Report to Inform Appropriate Assessment	



Abbreviation / Acronym	Description
RSPB	Royal Society for the Protection of Birds
SAC	Special Areas of Conservation
SCI	Sites of Community Importance
SNCB	Statutory Nature Conservation Body
SPA	Special Protection Area
TCE	The Crown Estate

# Terminology

Term	Definition
The Applicant	GTR4 Limited (a joint venture between Corio Generation (and its affiliates),
	TotalEnergies and Gulf Energy Development), trading as Outer Dowsing
	Offshore Wind
Array area	The area offshore within which the generating station (including wind
	turbine generators (WTG) and inter array cables), offshore accommodation
	platforms, offshore transformer substations and associated cabling will be
	positioned, including the ORBA.
Baseline	The status of the environment at the time of assessment without the
	development in place.
Compensatory	Stage 3 of the Habitats Regulations Assessments (see Derogation) involves
Measures	the development of compensation measures for any features which the
	report to inform appropriate assessment was unable to conclude no
	adverse effect on integrity on.
deemed Marine	A marine licence set out in a Schedule to the Development Consent Order
Licence (dML)	and deemed to have been granted under Part 4 (marine licensing) of the
	Marine and Coastal Access Act 2009.
Derogation	Stage 3 of the Habitats Regulations Assessments which is triggered once it
	is determined that you cannot avoid adversely affecting the integrity of a
	designated site. Involves assessing if alternative solutions are available to
	achieve the same goals as the project, if there are imperative reasons of
	overriding public interest, and if compensatory measures will be required.
Development	An order made under the Planning Act 2008 granting development consent
Consent Order	for a Nationally Significant Infrastructure Project (NSIP) from the Secretary
(DCO)	of State (SoS) for Department for Energy Security and Net Zero (DESNZ).
Effect	Term used to express the consequence of an impact. The significance of an
	effect is determined by correlating the magnitude of an impact with the
	sensitivity of a receptor, in accordance with defined significance criteria.
Evidence Plan	A voluntary process of stakeholder consultation with appropriate Expert
	Topic Groups (ETGs) that discusses and, where possible, agrees the detailed
	approach to the Environmental Impact Assessment (EIA) and information
	to support Habitats Regulations Assessment (HRA) for those relevant topics
Habitata Dagulatiana	included in the process, undertaken during the pre-application period.
Habitats Regulations	A process which helps determine likely significant effects and (where
Assessment (HRA)	appropriate) assesses adverse impacts on the integrity of European



Torm	Definition
Term	Definition The second Property of the Control of th
	conservation sites and Ramsar sites. The process consists of up to four stages of assessment: screening, appropriate assessment, assessment of alternative solutions and assessment of imperative reasons of over-riding public interest (IROPI) and compensatory measures.
Mitigation	Mitigation measures, or commitments, are commitments made by the Project to reduce and/or eliminate the potential for significant effects to arise as a result of the Project. Mitigation measures can be embedded (part of the project design) or secondarily added to reduce impacts in the case of potentially significant effects.
Offshore Restricted Build Area (ORBA)	The area within the array area, where no wind turbine generator, offshore transformer substation or offshore accommodation platform shall be erected.
Offshore Reactive Compensation Station (ORCP)	A structure attached to the seabed by means of a foundation, with one or more decks and a helicopter platform (including bird deterrents) housing electrical reactors and switchgear for the purpose of the efficient transfer of power in the course of HVAC transmission by providing reactive compensation
Offshore Substation (OSS)	A structure attached to the seabed by means of a foundation, with one or more decks and a helicopter platform (including bird deterrents), containing— (a) electrical equipment required to switch, transform, convert electricity generated at the wind turbine generators to a higher voltage and provide reactive power compensation; and (b) housing accommodation, storage, workshop auxiliary equipment, radar and facilities for operating, maintaining and controlling the substation or wind turbine generators
Outer Dowsing Offshore Wind (ODOW)	The Project.
Order Limits	The area subject to the application for development consent, the limits shown on the works plans within which the Project may be carried out.
Preliminary Environmental Information Report (PEIR)	The PEIR was written in the style of a draft Environmental Statement (ES) and provided information to support and inform the statutory consultation process during the pre-application phase.
The Project	Outer Dowsing Offshore Wind including proposed onshore and offshore infrastructure.
The Planning Inspectorate	The agency responsible for operating the planning process for Nationally Significant Infrastructure Projects (NSIPs).
Wind turbine generator (WTG)	A structure comprising a tower, rotor with three blades connected at the hub, nacelle and ancillary electrical and other equipment which may include J-tube(s), transition piece, access and rest platforms, access ladders, boat access systems, corrosion protection systems, fenders and maintenance equipment, helicopter landing facilities and other associated equipment, fixed to a foundation



# **Reference Documentation**

Document Number	Title
6.1.3	Project Description
7.1	Report to Inform Appropriate Assessment
7.1.1	Offshore and Intertidal Ornithology Apportioning
7.5	Derogation Case
7.5 7.7	Ornithology Compensation Strategy
7.7.1.1	Kittiwake Compensation Implementation and Monitoring Plan
7.7.4	Artificial Nesting Structures Evidence Base and Roadmap



## 1 Introduction

- 1. GT R4 Limited (trading as Outer Dowsing Offshore Wind) hereafter referred to as the 'Applicant', is proposing to develop Outer Dowsing Offshore Wind (the Project). The Project will include both offshore and onshore infrastructure including an offshore generating station (windfarm) approximately 54km from the Lincolnshire coastline in the southern North Sea, export cables to landfall, Offshore Reactive Compensation Platforms (ORCPs), onshore cables, connection to the electricity transmission network, ancillary and associated development and areas for the delivery of up to two Artificial Nesting Structures (ANS) and the creation and recreation of a biogenic reef (if these compensation measures are deemed to be required by the Secretary of State) (see Volume 1, Chapter 3: Project Description (document reference 6.1.3) for full details).
- 2. As part of the Habitats Regulations Assessment (HRA) process, following the assessment of impacts, where it is concluded that despite mitigation, an adverse effect on the integrity (AEoI) of a designated site (Special Protection Areas (SPAs), Sites of Community Importance (SCI) and Special Areas of Conservation (SAC) forming part of the 'National Site Network') cannot be excluded (beyond reasonable scientific doubt), projects can undergo a derogation process to gain approval, provided there are 'imperative reasons of overriding public interest' (IROPI), 'no alternatives' and any necessary compensatory measures are secured to ensure that the overall network coherence is protected.
- 3. Defra has produced best practice guidance for developing compensatory measures in relation to Marine Protected Areas (MPAs) (Defra, 20211) and is currently consulting on draft policies to update this guidance. The current consultation held as part of Defra's Offshore Wind Environmental Improvement Package (OWEIP) focusses on 'ecological effectiveness' and 'local circumstances' as the primary consideration when identifying compensatory measures, with measures that benefit the specific feature at risk being encouraged over measures that would benefit different qualifying features at risk but which could provide 'functional equivalence'.
- 4. The Flamborough and Filey Coast (FFC) SPA is approximately 93km away from the WTG area, which is within the mean-max foraging range (MMF) of breeding kittiwake and therefore there is potential connectivity between the SPA and the Project array during the breeding and non-breeding seasons. The main species considered in this document is:
  - Black-legged kittiwake (Rissa tridactyla, hereafter kittiwake),

Kittiwake Compensation Plan Document Reference: 7.7.1

<sup>&</sup>lt;sup>1</sup> New guidance was published whilst this document was being finalised (<a href="https://consult.defra.gov.uk/offshore-wind-environmental-improvement-package/consultation-on-updated-guidance-for-environmental/supporting\_documents/090224%200WEIP%20Consultation%20on%20updated%20policies%20to%20inform%20guidance%20for%20MPA%20assessments\_.pdf</a>). Whilst the Applicant is aware of this documentation it is noted that (1) the documentation is still out for consultation and (2) the Project delivery programme did not allow for full inclusion of the recommendations.



- 5. Kittiwake are a designated feature at FFC SPA, and are considered a collision risk species due to their flight behaviour.
- 6. The Crown Estate's Round 4 Plan Level HRA, determined that it was not possible to conclude no adverse effect on integrity (AEoI) for the kittiwake population at the Flamborough and Filey Coast Special Protection Area (FFC SPA). The Project was one of three developments identified to contribute towards the conclusion of AEoI, and as such is required to contribute towards kittiwake compensation through The Crown Estate's Kittiwake Strategic Compensation Plan (KSCP, document reference 7.8).
- 7. A number of recent projects within the southern North Sea have provided a without prejudice derogation case for kittiwake, along with guillemot, and razorbill at application (Hornsea Project Four, Sheringham Shoal and Dudgeon Extension).
- 8. Following completion of the Report to Inform Appropriate Assessment for this Project (RIAA; Document 7.1) and following amendments at Deadline 4, the Applicant has been unable to rule out the potential for an Adverse Effect on Integrity (AEoI) to the kittiwake feature of the Flamborough and Filey Coast (FFC) Special Protection Area (SPA) FFC SPA due to mortality from collisions with the wind turbine generators, when considering the Project in combination with other plans or projects. The Applicant has therefore provided a derogation case for the Project and has developed a full derogation case for kittiwake (from in-combination effects) alongside appropriate compensation measures. This document has been updated following a request from Natural England and as agreed by the Applicant with the Examining Authority (ExA) to update the Habitats Regulations Assessment (HRA) related documentation for Deadline 4 to reflect changes made by the Applicant to the Project during the Examination phase. The Applicant has previously provided environmental reports for these updates throughout the Examination as appropriate (through the submission of the Habitats Regulations Assessment for the Offshore Restricted Build Area and Revision to the Offshore Export Cable Corridor (PD1-091)), confirming that no changes made altered the previously drawn conclusions within the Report to Inform an Appropriate Assessment (RIAA).
- 9. The Applicant also notes advice from Natural England that they cannot rule out the potential for AEoI for the seabird assemblage feature of the FFC SPA, of which kittiwake forms part. Whilst the Applicant's assessment in the RIAA concludes that there will be no AEoI on the seabird assemblage feature of the FFC SPA, the Applicant has produced a 'without prejudice' derogation case for the seabird assemblage feature of the FFC SPA. In the event that the Secretary of State (SoS) concludes that an AEoI of the seabird assemblage feature of the FFC SPA cannot be excluded, the compensation measures set out in this document would also compensate for impacts of the Project on the seabird assemblage feature of the FFC SPA.
- 10. This current version of this report provides update to that submitted within the Application arising from the following project changes:
  - The introduction of an Offshore Restricted Build Area (ORBA) over the northern section of the Project array area; and
  - The removal of the northern section of the offshore Export Cable Corridor (ECC).



- 11. Further updates have been made at Deadline 6 to reflect changes in compensation requirements;
  - including assemblage feature of the FFC SPA; and
  - updated calculation methods based on advice provided by Natural England at Deadline 5 (REP5-172 and REP5-167]).
- 12. The Derogation Case (document 7.5) provides consideration of the alternatives assessed, the need for the Project and has identified Imperative Reasons of Overriding Public Interest (IROPI) for the Project to proceed despite the potential for an AEoI in accordance with the requirements of the Habitats Regulations.
- 13. The RIAA provides insight into the impacts to the relevant species predicted to occur from the Project. The quantum of potential compensation to be delivered is identified within this document and the supporting Artificial Nesting Structures Evidence Base and Roadmap (document reference 7.7.4) provides the evidence to support the effectiveness of the primary proposed compensatory measure.

## 1.1 Purpose

- 14. This plan sets out how the compensation measures for impacts to kittiwake (and for the FFC assemblage) at the FFC SPA can be secured at the time of the DCO being granted (should the SoS determine that compensation is required). The plan provides a suite of measures, including potential strategic measures and also resilience measures. At this stage is it important to note that the site selection, detailed design and monitoring of the proposed measures will be developed in consultation relevant stakeholders. This document has been updated to reflect the changes to the RIAA at Deadline 4.
- 15. A compensation implementation and monitoring plan to deliver any required compensation for this species will be prepared based on the strategy set out in the final version of this Plan, as secured in Schedule 22 of the Development Consent Order.



# 2 Quantum of Compensation

#### 2.1 Kittiwake

- 16. The predicted impact from the Project, for which compensation will be required to be delivered is 15.5 birds, <u>usingbased on</u> the Applicant's approach (as detailed within the RIAA (document 7.1)). This number is based on the summed mean peak bio-seasonal occurrence. The proportion of adults within the population is defined using adult proportions from the site-\_specific Digital Aerial Survey (DAS) data, with birds apportioned to the FFC SPA using the NatureScot apportioning method and including offshore breeding birds (document reference 7.1.1), as agreed with Natural England. On the basis of a 2:1 ratio (minimum ratio advised by Natural England), this would require the delivery of 83.7 pairs of nesting adults (using the Hornsea Four compensation calculation method) to replace those individuals impacted by the Project. The compensation requirement calculated with both the Applicant's and Natural England's approaches are presented in Table 2.1. by Natural England. The approach for assessment and apportioning is agreed between the Applicant and Natural England and therefore separate Applicant and Natural England impacts derived from different processes are not necessary. The UCI impact is 41.0 birds.
- 17. The presentation of the Applicant and Natural England's preferred methods for determining compensation quantum are aligned with those presented in the KSCP (document reference 7.8). Further information on these methods is provided in the KSCP. Note that the values presented in the KSCP are the range of quantum based on the methods and ratios presented below, but under the combined scenario from the Project and RWE's Dogger Bank South West (DBSW) and Dogger Bank South East (DBSE) projects, as at the time of the KSCP finalisation (February 2024). Compensation quanta have been calculated using the BTO's bespoke 'staggered entry' approach, as recommended by Natural England. This method is considered to be more comprehensive and therefore provides more confidence that an appropriate level of compensation will be delivered.
- 18. The Applicant met with Natural England on 23rd October 2025. During these discussions, it was agreed that if the Applicant were to commit to using the Upper Confidence Interval (UCI) rather than the central impact estimate to calculate the required compensation, Natural England would be comfortable with a maximum compensation ratio of 2:1. This equates to a maximum of 720 nesting spaces.
- 19. The ANS will be scaled according to the design requirements, with the success of the measure considered against the success requirements. These are explained below.
- 20. The design requirement is the quanta that measures or suites of measures should be designed to accommodate, in order to maximise the likelihood that sufficient compensation is delivered. The design requirement for kittiwake, where calculations follow the BTO methodology, is based upon the upper confidence interval (UCI) impacts and applies a maximum 2:1 ratio, as agreed with Natural England on the 23<sup>rd</sup> October 2025



21. The success requirement reflects what the measure or suite of measures need to deliver in order to successfully address the Project's predicted impacts. The success requirement uses the mean impact value (i.e. the reasonable worst-case impact) at a 1:1 ratio.

Table 2.1 Impacts and Possible Compensation requirements calculated using the Hornsea 4 and Hornsea 3 methods for the Applicant's impact valueBTO 'staggered entry' approach.

Predicted impact_	Calculation method_	Compensation requirement (breedingBreeding pairs) 1:1 ratio	2: Breeding pairs 1 compensation.5: 1 ratio (breeding pairs)	■ Breeding pairs 2:1 compensation ratio (breeding pairs)
15.5 (RIAA	Hornsea 4 4	1.8	<del>83.7</del>	<del>125.5</del>
table 9.69)	(Applicant)			
Mean: 15.5	Hornsea 3 'part 2'	<del>102.4</del> <u>136</u>	204 <del>.8</del>	<del>307.2</del> 278
(RIAA table	<del>(Natural</del>			
<del>9.69)</del> _	England)BTO			
	Staggered entry			
	success requirement			
41.03 (UCI)	Hornsea 3 'part 2'	<del>270.9</del> 360	<del>541.9</del> <u>540</u>	<del>812.9</del> 720
(RIAA table	<del>(Natural</del>			
<del>9.69)</del> UCI:	England)BTO			
<u>41.0</u>	Staggered entry			
	design requirement			



# 3 Development of Compensation Options

#### 3.1 Overview

18.22. The following sections outline the approach taken to the development of the long-list and the short-list of measures for the compensation options for kittiwake. The Applicant commenced the identification and development of suitable compensation measures early on in the development process and has continued to consult on these measures through the Evidence Plan Process (EPP).

#### 3.2 Consultation

- 19.23. Consultation on the compensation measures was commenced through the Evidence Plan Process (EPP), with the set-up of a Derogation and Compensation specific Expert Technical Group (ETG) early on in the development process. After the initial meetings, this group was split into the two relevant technical workstreams (one for benthic ecology and the other for offshore ornithology) and discussions on kittiwake compensation continued through the renamed Offshore Ornithology and Compensation ETG.
- 20.24. Details of the relevant consultation, and where comments are addressed within this document or within the suite of documents provided in relation to Ornithological Compensation Strategy, are provided in Table 3.1 below. Additional technical consultation undertaken in relation to compensation is detailed in the Technical Consultation Report (document reference 6.1.6).

Table 3.1. Consultation for ornithology compensation measures

Date and consultation phase/type	Consultation and key issues raised	Section where comment addressed
12 July 2022, Offshore Ornithology, Derogation and Compensation Expert Topic Group	Fisheries management. Natural England noted that the most appropriate measure for compensation (subject to additionality) may be improving the availability of forage fish, but recognise that may not be within the gift of an individual project level as needs Government intervention.	Section 5.5
28 November 2022, Offshore Ornithology, Derogation and Compensation Expert Topic Group	Natural England queried the interplay between project-specific and strategic compensation workstreams – The Project confirmed that the project was progressing both project-alone options and actively engaging in collaborative/strategic measures equally rather than solely relying on the strategic measures.	Section 3.5



Date and consultation phase/type	Consultation and key issues raised	Section where comment addressed
9 January 2024, Ornithology Compensation Workshop With Natural England	Kittiwake compensation with ANS. The Applicant asked Natural England: To review whether a single ANS (solely for Kittiwake) would be acceptable compensation as a project alone measure <sup>1</sup> ; whether there was an advised minimum distance between structures should multiple structures be deployed; and, whether the deployment of multiple structures could allow a reduced breeding season lead in time. Natural England advised that greater distance between ANS increased resilience and likelihood of success.	Section 3.5, with further details in the ANS Evidence Roadmap (document 7.7.4), and the KSCP document 7.8.
9 January 2024, Ornithology Compensation Workshop With Natural England	Compensation calculation. The Project confirmed they are using Hornsea Four method and for kittiwake and guillemot. Natural England explained that they prefer Hornsea three method. This is supported by a NIRAS report looking at the methods that argues the Hornsea three method is more ecologically robust (kittiwake).	Compensation quanta are presented in Section 2. Compensation quanta calculated using both methods are presented in the KSCP (document 7.8).
9 January 2024, Ornithology Compensation Workshop With Natural England	Compensation ratios. The Project enquired whether using the Hornsea three method negates the need to apply a ratio. Natural England explained that compensation measures have a lot of uncertainty, therefore a ratio is still required. They highlighted that any ratio agreed has to be across all projects and there is a need for an approach across all projects	Compensation quanta calculated at a 2:1 ratio for both the Project and Natural England's preferred method are presented in Section 2.

<sup>1.</sup> At the point of discussion the KSCP was not finalised so discussions focussed on Project alone measures as details of the KSCP could not be shared.



## 3.3 Longlist

21.25. The first stage of the compensation strategy involved reviewing all offshore wind projects that have proposed compensation to date. A longlist of compensation options was collated based on previous offshore windfarm (OWF) derogation cases (including compensation measures provided on a 'without prejudice' basis), guidance and advice from Statutory Nature Conservation Bodies (SNCBs), and a review of peer-reviewed literature. The review focused primarily on projects that have submitted DCO applications within the southern North Sea region because these are located within the same geographic region as the Project and are likely to impact similar species and sites. Nevertheless, compensation considered elsewhere in the UK and global examples was also incorporated within the longlist where relevant. In addition, some more novel ideas yet to be put forward by other projects were also included. The long list of compensatory measures was drawn up appropriate to the species and habitats affected and issued to Natural England for review.

### 3.4 Shortlist Ranking System

- 22.26. From the longlist, each compensation option was evaluated using a set of criteria established from principles outlined in the then current Defra guidance (Defra, 2021), and were consulted on with relevant stakeholders (Natural England and Royal Society for the Protection of Birds (RSPB)) through the EPP (Table 3.1). Five ranking criteria were developed, which aimed to fairly rate each measure and produce a shortlist of the most viable options (Table 3.2). This provided a clear, replicable, and robust method to rank compensation options relative to each other.
- 23.27. Each rating criterion was scored on a scale between 1 and 5, (5 being the maximum). The scores were summed for all five criteria for each compensation measure to provide a final score which was used to rank the measure. For each species, a shortlist of compensation options that scored greater than 15 out of a possible 25 was created, as presented below. The key measures currently being progressed by the Project are supported by Natural England.

#### 3.5 Strategic Options

- 24.28. Consideration was given to the delivery of compensation through strategic measures as well as the development of Project-alone options. There are currently multiple workstreams looking to develop options for strategic compensation delivery, including the Marine Recovery Fund (MRF) which the UK Government has confirmed will be available for Round 4 projects to access. One strategic compensation measure which is specific to ornithology has been accepted by the Secretary of State for inclusion within the MRF:
  - Artificial Nesting Structures (ANS) (only for Round 4 projects).
- 25.29. This measure has been developed by the Project for project-alone impacts, and could be adapted to be delivered strategically if appropriate (see section 3.6).



- 26.30. The Project understands that Natural England regard strategic compensation as highly ecologically effective and that it could provide a solution to species or habitats impacted by multiple windfarms.
- 27.31. Other strategic initiatives include the development of measures led by organisations such as the Offshore Wind Industry Council (OWIC), for which the Applicant is a member of the Derogation Subgroup. In addition, measures that can be developed through collaboration between multiple projects or developers are also considered to be strategic options. Consideration as to whether measures could be delivered strategically is provided throughout this document. More detail on the delivery mechanisms for strategic options through the KSCP is provided in Section 3.6

#### 3.6 The KSCP

- 28.32. As part of the Round 4 Plan-Level HRA derogation, the Project was engaged in the Round 4 strategic Steering Group for kittiwake compensation which was formed by TCE in accordance with agreed Terms of Reference. The Steering Group has overseen the development of the Kittiwake Strategic Compensation Plan (KSCP) which has been finalised and is presented in document 7.8. Full details on the Round 4 plan process and the associated commitment to develop the KSCP are provided in that document (document reference 7.8).
- 29.33. In summary, TCE's Derogation Case included a commitment to develop a KSCP (document reference 7.8) which must be adhered to by the Project (and also RWE's Dogger Bank South West (DBSW) and Dogger Bank South East (DBSE) projects) through its agreement for lease conditions. The overall objective of the KSCP is to detail the development and delivery of strategic compensation to ensure the overall coherence of the UK National Site Network in relation to kittiwake by identifying suitable measures, providing a pathway to those measures and in turn providing assurance that compensation will be delivered for the impact on kittiwake, subject to refinement during the Project level HRA process.
- 30.34. Strategic compensation for the purposes of Round 4 is defined here as compensatory measures delivered collectively to address the AEoI of the FFC SPA from the Plan. The KSCP provides a framework to determine the scale and location of proposed strategic compensation measures for the effects on kittiwake and how these can be secured, delivered, monitored and adapted.
- 31.35. The KSCP reflects the ecological preference of potential compensation measures but includes different options to address the potential delivery issues relevant to some measures identified. Further details on the precise delivery method for the measures would be provided post consent in a Kittiwake Strategic Implementation and Monitoring Plan ("KSIMP" Appendix A of the KSCP) submitted to the Secretary of State at the Department for Energy Security and Net Zero (DESNZ) prior to the operation of any wind turbine generator of the Project. The KSIMP would be required to be approved by the Secretary of State (DESNZ) in consultation with the Marine Management Organisation (MMO) and/or local planning authority and Natural England as the relevant Statutory Nature Conservation Body.



32.36. The Project expects to deliver the kittiwake compensation (by way of Artificial Nesting Structures – see KSCP) as outlined within the KSCP and collaboratively with RWE. However, it is necessary for the Project to also develop the compensation at the individual project level to ensure that it can be delivered either on a Project alone basis or strategically. Therefore, wherever possible the content of the KSCP aligns with the Project's proposals.



Table 3.2: Criteria used to rank compensation options and scoring principles.

Rating	Targeted	Effectiveness	Technical delivery	Delivery lag	Scale of Impact
Definition	Following the Hierarchy Approach (Defra, 2021). Measures should focus on objectives and targets for the affected species within the National Site Network. They must clearly refer to the structural and functional aspects of the site integrity, and the related types of habitats and species populations that are affected. Higher scores given for like-for-like compensation - lower scores for non-like-for-like.	Confidence that the measure will deliver effective and sustainable compensation for the impact of the project.  Ensure the overall coherence of the designated sites network is maintained.	The confidence that the measure can be delivered successfully and be monitored and managed accordingly.	How quickly compensatory measures are expected to be functioning and contributing to the network?	The scale at which the compensatory measure acts can be accurately predicted/quantified
5	Same species, same location.  Measure can with certainty benefit birds at the same site (within, adjacent to, within usual foraging range of)	There is strong evidence that the measure is effective, provides a similar ecological function (i.e. where a measure provides additional breeding space for a breeding population), and does not negatively impact any other sites or features	Technical delivery of measure is well evidenced and achievable without any substantial challenges and there is certainty in the outcomes	Agreed certainty that measures will be functioning before impact occurs with timeframe <2 years	Confident that the benefit can be accurately predicted and adapted to match the required compensation at a defined ratio



Rating	Targeted	Effectiveness	Technical delivery	Delivery lag	Scale of Impact
4	Same species, with connectivity to SPA Measure can be utilised by affected species from the affected site	There is some evidence that the measure is effective and will provide a similar ecological function	Technical delivery is evidenced but some challenges with delivery and some uncertainty in the outcomes	Some certainty that measures will be functioning prior to impact occurring < 3 years	Some uncertainty in the predicted benefit but measure can be adapted to match the required compensation at a defined ratio
3	Same species, different location.  Measure can be reached by the species and is within the biogeographic region	There is strong evidence that the measure is effective but does not directly target the same feature or site	There is some evidence of delivery and some uncertainty regarding outcomes	Some certainty that measures will be functioning prior to impact occurring <5 years but would likely assume a higher compensation ratio to allow for uncertainty	Confident that the benefit can be accurately predicted but unlikely to compensate for the desired ratio
2	Same species, different location.  Measure can be reached by the species and is within the biogeographic region	There is some evidence that the measure is effective but does not directly target the same feature or site	Little to no evidence of delivery and considerable uncertainty in outcomes	Little to no certainty that measures will be functioning <10 years and would assume a higher compensation ratio to allow for uncertainty	Some uncertainty in the predicted benefit and unlikely to compensate at the desired ratio
1	Different species Measure compensates for a different species	There is little to no evidence that the measure is effective and there is considerable uncertainty in outcomes	No evidence of delivery and considerable uncertainty in outcomes	No certainty within 10-year timeframe and perhaps poorly evidenced and as such acceptance of higher ratio required	Large uncertainty in the predicted benefit and unlikely to compensate at the desired ratio



#### 4 Kittiwake

33.37. It is considered that the potential for an AEoI cannot be ruled out for the kittiwake feature (and FFC assemblage) at the FFC SPA as a result of in-combination impacts (document reference 7.1). FFC SPA is the only SPA in England with kittiwakes as a qualifying feature and there are only three other sites where kittiwakes are an assemblage feature (Table 4.1).

Table 4.1. SPAs with kittiwake listed as a feature or as part of an assemblage

SPA	Kittiwake
Flamborough & Filey Coast	Qualifying feature
Farne Islands	Named assemblage feature
Coquet Island	Un-named component of the seabird assemblage
Isles of Scilly	Un-named component of the seabird assemblage

- 34.38. Other projects such as Hornsea Project Three Offshore Wind Farm (Hornsea Three),
  Hornsea Project Four Offshore Wind Farm (Hornsea Four), Norfolk Boreas, Norfolk Vanguard,
  Sheringham Shoal and Dudgeon Extension Projects, East Anglia One North and East Anglia Two
  are providing compensation for adverse effects on kittiwakes at FFC SPA. The primary
  compensation options identified for kittiwakes were:
  - Offshore artificial nesting structures;
  - Onshore artificial nesting structures;
  - Urban deterrents;
  - Reductions in fisheries quotas; and
  - Purchase of fisheries quotas.
- 35.39. A detailed ranking and evaluation of shortlist options is provided in Table 4.2. Note that a similar exercise has been undertaken within the Round 4 KSCP (see Section 3.6).

#### 4.1 Offshore Artificial Nesting Structure

36.40. An offshore artificial nesting structure, providing additional nesting space to encourage the formation of a new offshore colony, was identified as the highest ranked compensation option for kittiwake. It scored four for each criterion and has the potential to be delivered strategically. Evidence of kittiwake nesting on offshore artificial structures is widespread across the North Sea in UK waters (e.g. Coulson, 2011; Christensen-Dalsgaard et al., 2019; Ørsted, 2021a). An offshore structure would preferably be located near to productive foraging grounds and away from the impacts of OWFs. Hornsea Four Offshore Wind Farm was the first UK offshore wind farm to have the requirement within the DCO for an offshore artificial nesting structure(s) as compensation for kittiwake.



- 37.41. Offshore artificial nesting structures are considered a feasible compensation option for kittiwake, both strategically and at a project-level. Detailed information regarding the progress of this as a compensation measure, including ecological evidence and a roadmap to implementation, is provided in Offshore Artificial Nesting Structures Evidence Base and Roadmap (Document 7.7.4). This work also includes a preliminary site selection assessment and outlines design criteria for an artificial nesting structure for the target species, see particular detail in relation to the following sections:
  - Evidence for the effectiveness of offshore artificial nesting (section 3 of document 7.7.4);
  - Design considerations (section 4.2 of document 7.7.4);
  - Site selection (section 4.3 of document 7.7.4);
  - Monitoring and adaptive management (section 4.4 of document 7.7.4);
  - Scale of compensation delivery (section 4.5 of document 7.7.4);
  - Funding (section 4.6 of document 7.7.4); and
  - Programme for delivery (section 4.7 of document 7.7.4).
- 38.42. Artificial nesting structures are also the primary measure promoted within the KSCP (document reference 7.8) for the Round 4 Plan-level compensation delivery.

## 4.2 Onshore Artificial Nesting Structure

- 39.43. Onshore artificial nesting structures were ranked second in the rating process. Evidence of kittiwake nesting on onshore artificial structures is widespread (Hatch *et al.* 1993; Harris *et al.* 2019; Camphuysen & de Vreeze 2005; Camphuysen & Leopold 2007; Ponchon *et al.* 2017; Turner 2010). There are several projects, including Hornsea Three, Norfolk Boreas, Norfolk Vanguard, East Anglia One North and East Anglia Two, that are required by their DCOs to build onshore artificial nesting to compensate for their impact on kittiwakes from FFC SPA. The Hornsea Three project has provided three nearshore structures as an alternative to onshore, and the combined nesting space to be provided by these projects equates to roughly 2,500 nesting spaces (Ørsted, 2020; Royal HaskoningDHV, 2022). As such, there are currently thousands of nesting sites onshore or nearshore that require a pool of non-breeding adults available to colonise them.
- 40.44. Natural England has requested evidence that there is a sufficient pool of kittiwake recruits and suitable locations with adequate prey availability to maintain the new colonies (Natural England, 2022a). Natural England has also highlighted that further onshore artificial nesting may draw birds away from protected sites, such as FFC SPA, and, therefore, would not provide compensation.



41.45. There are considerable challenges in the delivery of onshore structures. For example, difficulties obtaining land rights and planning permission lead to the onshore artificial nesting structures originally proposed for the Hornsea Three project being moved into the nearshore environment where there are fewer barriers to consent. As a result, the Project does not consider onshore artificial nesting structures to be a preferred compensatory measure, however it has not been excluded as a potential option if it becomes appropriate in the future. This measure has not been proposed as a primary measure within the Round 4 KSCP (document reference 7.8).

#### 4.3 Urban Deterrents

- 42.46. Every year, many kittiwakes are caught in urban deterrent netting resulting in a considerable number of mortalities. The main driver of these mortalities is poorly maintained netting or inappropriate deterrents. By investing in less impactful alternatives (e.g. AviShock) or taking steps to improve the management of currently implemented deterrents, there is the potential for annual mortalities to be reduced.
- 43.47. The main options to reduce this source of bird mortalities is to provide funding to maintain deterrents or to upgrade to less invasive options.
- 44.48. This option was dropped for the purposes of the compensation measure development for the Project post-PEIR as it was not possible to evidence that the measure would be able to deliver the required quantum of compensation for the Project. This was primarily because no robust record of bird entanglement in deterrents was found and therefore the evidence base was inconclusive with regard to the number of mortalities associated with urban deterrents. This measure was not considered within the KSCP.

#### 4.4 Reduce Fisheries Quota/Purchase of Fishery Quota

- 45.49. Prey availability has been evidenced as a key limiting factor suppressing the breeding success of kittiwake and other seabird species (Mitchell *et al.*, 2020; Frederiksen *et al.*, 2004, Cury *et al.*, 2011, Carroll *et al.*, 2017, Christensen-Dalsgaard *et al.*, 2018). At PEIR, the Project considered a reduction in the sandeel fishing quota within the North Sea, or the ability for developers to purchase a proportion of the fishery quota, as viable measures to increase the availability of kittiwake prey. The most effective way this could be achieved would be to restrict fishing on sandeel, sprat or juvenile herring in UK waters. However, this measure would be most effectively delivered by Government on a strategic basis. For example, this would need to be implemented by either Defra in the case of sandeel or the relevant Inshore Fisheries and Conservation Authority (IFCA) in the case of sprat and juvenile herring fisheries within UK inshore waters.
- 46.50. On 31<sup>st</sup> January 2024, the UK Government announced that the sandeel fishery in English waters would be permanently closed from 1st April 2024. This was matched by an announcement by the Scottish Government to close the sandeel fishery in Scottish waters from the same date. Therefore, this is not currently considered to be available as a compensation option.



47.51. Given the current uncertainty of whether, or how, these closures may be available for use as a compensation measure for an OWF, this measure has not been considered by the Project as a feasible compensation measure at this stage. It is noted that the option for fisheries closures remains a part of the Round 4 KSCP (document 7.8), but acknowledged within that document that, at the time of drafting, information was not available as to whether the closure would ever be permitted as compensation. Therefore, whilst the measure remains within the Round 4 KSCP, it is unclear as to whether it may be available as a compensation measure or within the appropriate timeframes. Due to these uncertainties, for the purposes of the project alone, this measure has not been progressed further at this stage.



Table 4.2: Shortlisted compensation measures for kittiwake.

Compensation Measure	Targeted	Effectiveness	Technical delivery	Delivery lag	Scale of Impact	Potential to deliver at a strategic level?	Rating
Offshore artificial		4	4	4	4	Yes	20
nesting	Direct benefits	Reasonable	Technical	Offshore likely to be	Structure can be	ļ	
structures	to kittiwake	amount of	delivery is	deliverable in short	designed to	ļ	
	and likely to	evidence that	evidenced but	,	compensate for	ļ	
	have some	the measure is	some challenges	3 years) and	the desired	ļ	
	connectivity to	effective with	with delivery and		number of birds	ļ	
	FFC SPA.	some examples.	some	anticipated impact.	but some	ļ	
	l	Strong evidence	uncertainty		uncertainty in	ļ	
	l	that kittiwake	associated with		the numbers of	ļ	
		are limited by	the outcomes.		kittiwake that	ļ	
		lack of nesting	However,		will choose to	ļ	
		structures in the	onshore		nest there.	ļ	
	l	southern North	structure is well			ļ	
	l	Sea. Numerous	evidenced with			ļ	
		examples of	numerous			ļ	
		artificial nesting	examples.			ļ	
		structures being	1			ļ	
	l	used by	1			ļ	
		kittiwake.	1			ļ	
	l	Smaller colonies	l			ļ	
	l	away from large	1			ļ	
		colonies (such as	1			ļ	
	l	FFC SPA) are	1			ļ	
		likely to have	1			ļ	
	l	higher breeding					



Compensation Measure	Targeted	Effectiveness	Technical delivery	Delivery lag	Scale of Impact	Potential to deliver at a strategic level?	Rating
		success due to weaker density dependant competition for food resources. There is no guarantee that kittiwake will use the new structure for					
Onshore artificial	3	nesting.	3	<u> </u>	4	Yes	18
nesting	Directly	Large amount of		Onshore likely to be	Structure can be	103	
structures	benefits the	evidence that	delivery is well	•	designed to		
	target species		evidenced but		compensate for		
	but unlikely to	effective with	due to existing	•	the desired		
	be near FFC	various	structures in	therefore before	number of birds		
	SPA because	examples.	proximity to FFC	anticipated impact.	but some		
	there are	Strong evidence	SPA it is likely to		uncertainty in		
	already	that kittiwake	be challenging		the numbers of		
	kittiwake	are limited by	both to find an		kittiwake that		
	onshore	nesting	appropriate		will choose to		
	nesting	structures in the	location for a		nest there.		
	structures	southern North	new nesting				
	nearby	Sea. Smaller	structure and to				
		colonies away	provide evidence				
		from large	that further				



Compensation Measure	Targeted	Effectiveness	Technical delivery	Delivery lag	Scale of Impact	Potential to deliver at a strategic level?	Rating
		colonies (such as FFC SPA) are likely to have higher breeding success due to weaker density dependant competition for food resources. There is no guarantee that kittiwake will use the new structure for nesting.	onshore nesting structures are beneficial to the population. Therefore, there is uncertainty associated with the outcomes.				
Urban deterrents	Direct benefits to kittiwake and likely to have connectivity to FFC SPA	Strong evidence that multiple kittiwake mortalities are attributable to current badly maintained netting and inappropriate deterrents.  Evidence of	3 Direct benefits to kittiwake and likely to have some connectivity to FFC SPA	Measure likely to be deliverable in a short timeframe (<3 years).	Benefits can be delivered under a quick timeframe, though uncertainty on the number of kittiwake this measure could compensate for.	No	18



Compensation Measure	Targeted	Effectiveness	Technical delivery	Delivery lag	Scale of Impact	Potential to deliver at a strategic level?	Rating
		alternative methods is limited, but relatively simple in practice.					
Reduce fisheries quota	Can have direct connectivity for kittiwake at FFC SPA and the wider biogeographic region	Prey availability is a key limiting factor in kittiwake breeding success. Excluding fisheries from a large area may increase prey availability. Climate change is also a limiting factor related to prey availability.	Feasible if delivered by government through the common fisheries policy. Only relevant bodies such as IFCAs and MMO have powers to implement closed areas to fishing in UK waters. As the sandeel fishery has been closed indefinitely, options for implementing further fisheries closures as	There is a high degree of uncertainty regarding the security of the measure and long term implementation. Consideration will need to be given to potential political issues or barriers. Some certainty that measure could be functioning within 10 years but uncertainty due to political landscape	Sufficient change in quota would likely provide benefit to kittiwake. Scale likely to be large and therefore compensate a significant margin above numbers of birds potentially impacted by the project. Measure would require calculations in relation to prey biomass and the requirements of	Yes	15



Compensation Measure	Targeted	Effectiveness	Technical delivery	Delivery lag	Scale of Impact	Potential to deliver at a strategic level?	Rating
			measures for compensation are likely not available.		breeding kittiwakes in order to quantify any impact.		
Purchase of fisheries quota	Can have direct connectivity for kittiwake at FFC SPA and the wider biogeographic region	is a key limiting	No evidence of delivery and considerable uncertainty in outcomes. The purchase of quota by an offshore developer is unlikely to be a viable proposal under the current quota regulations.  Different quota rules apply in different countries. In most cases quota cannot be	If achievable there is some certainty that measure could be functioning prior to impact (< 5 years).	Sufficient change in quota would likely provide benefit to kittiwake. Scale likely to be large and therefore compensate a significant margin above numbers of birds potentially impacted by the project. Measure would require calculations in relation to prey biomass and the	Yes	15



Compensation Measure	Targeted	Effectiveness	Technical delivery	Delivery lag	Scale of Impact	Potential to deliver at a strategic level?	Rating
			acquired or traded by non-fishing organisations and there are restrictions with regards to the amount of quota that a single organisation can hold.		requirements of breeding kittiwakes in order to quantify any impact.		



## 5 Further Considerations

- 48.52. The Applicant is confident that compensation could be provided in relation to kittiwake (and assemblage) from the FFC SPA from the construction, operation and decommissioning of the Project in-combination with other plans or projects, if it is identified as necessary by the Secretary of State.
- 49.53. Although a variety of options have been identified for each of the species considered as part of this strategy, it is acknowledged that there are currently further considerations to be progressed to achieve successful implementation. For example, the inability for the Project to implement wide-scale measures across the UK and influence other industries to alter their practices. This means that some of the potentially most effective compensation options, such as fisheries management measures, would need to be strategically led by government (see Section 6). The Project is a member of the Offshore Wind Industry Council (OWIC), a senior Government and industry forum, which may provide a mechanism to aid collaboration across the industry. Strategic collaboration between developers will be supported by the Project where these have the potential to deliver effective compensation measures within the timeframe required.

### 5.1 Highly Pathogenic Avian Influenza (HPAI)

50.54. The recent outbreak of HPAI among seabirds is likely to influence populations for a considerable time. If seabird populations have reduced in size and there are insufficient numbers of non-breeders in the population to occupy available nesting spaces, then compensation measures aiming to provide additional nesting sites may not be so effective in the short term because nesting site availability may not currently be a limiting factor on population growth. Currently, there is uncertainty in the size of the non-breeding pool of adults and it is helpful to develop this understanding to support the use of artificial nesting as a compensation measure. The monitoring of artificial nesting structures currently being developed and monitoring of colonies that have suffered from the effects of HPAI are expected to provide evidence in this respect.



# 6 Strategic delivery

#### 6.1 Overview

- 51.55. To date, it has been the responsibility of individual developers to develop and provide compensation. This has been driven predominantly by the differences in timings of individual projects coming forwards which has created challenges for strategic/collaborative approaches, but also because there has been a lack of a strategic framework in the regulatory process and with clear Government support. Individual projects developing compensation can also create challenges, for example, competition for preferred compensation sites, differences in approaches to evidence, design and/or monitoring, limitations in the ability to share information and learning, issues around success liability, and importantly, having to evidence small scale (project-level) results.
- 52.56. An alternative solution is to adopt a coordinated large-scale, strategic-level approach to compensation delivery for OWFs in the UK. There are numerous benefits to delivering at scale, including delivering compensation on a collaborative basis, which in turn will help reduce ecological risk and provide confidence in achieving the required population level (e.g. by spreading the risk over multiple measures) resulting in a substantially enhanced outcome. Furthermore, developing small scale measures tends to be very expensive, with unknown future liabilities which can cause commercial issues which whilst not a consideration within Habitats Regulations Assessment (HRA) decision making, are central to the operational success of delivering an OWF project, and consequently the compensation measure. A co-ordinated approach can also avoid the need for individual projects to overcompensate which subsequently reduces the range of options for subsequent projects (i.e. multiple developers could benefit from one measure), as well as providing a mechanism to deliver compensation measures that cannot be delivered by developers e.g. measures that require Government such as fisheries management.
- 53.57. A key target within the British Energy Security Strategy (BESS) is to reduce the time taken to consent offshore wind projects, with the development of ecological compensation flagged as time critical. Likewise, a Cross-government Nationally Significant Infrastructure Projects (NSIP) Action Plan 2023 (DLUHC, 2023), and a "Nature Recovery Green Paper: Protected Sites and Species" have been published with the aim to reduce consenting times (Defra, 2022). These measures include the Marine Recovery Fund (MRF) to enable an accelerated build out of projects, by delivering compensation strategically ahead of project operation (see section 6.4).



#### 6.2 Round Four Plan-Level HRA

- 54.58. As part of the Plan-Level HRA for the Round Four projects, The Crown Estate (the competent authority) concluded an AEoI in-combination for the Round Four Plan for kittiwake at FFC SPA. The Plan-Level HRA proceeded on the basis of a derogation, with compensation required in the form of a Kittiwake Strategic Compensation Plan. The Round 4 KSCP is a forum through which the strategic delivery of compensation for the Round Four Plan will be delivered. The Project, as part of the Round Four Plan and one of the three projects contributing to an AEoI, is committed to supporting The Crown Estate in its delivery of the KSCP to enable strategic compensation for kittiwake.
- 55.59. As noted in section 3.6 of this document, the KSCP has been produced (document 7.8) and the primary measure proposed for the delivery of the required compensation is offshore artificial nesting structures. The Project will continue to engage with the KSCP throughout the post-application phase.

#### **6.3 OWIC**

- 56.60. The Applicant is an active member of OWIC and has contributed towards the delivery of various strategic compensation case studies that have been completed to date. The OWIC group is currently developing four topics as strategic compensation for a pilot approach, two of which are relevant to seabirds:
  - Artificial nesting structures; and
  - Predator control or eradication.
- 57.61. The Project also has members contributing towards the Collaboration on Offshore Wind Strategic Compensation (COWSC) Expert and Delivery groups.
- 58.62. The Applicant will continue to engage actively in the OWIC workstreams and support the development of the strategic delivery of compensation measures for the relevant sites/features through this collaborative initiative. The two measures listed above have recently been accepted by the Secretary of State for inclusion within the MRF as collaborative compensation options.

#### 6.4 Marine Recovery Fund (MRF)

- 59.63. The creation of the MRF is a clear step forward in establishing a mechanism through which multiple projects can secure access to suitable compensatory measures that are delivered at a strategic level. The Applicant believes this mechanism has the potential to enable the greatest ecological benefit to the National Site Network, whilst also enabling the timely delivery of required measures and as a result accelerating the deployment of offshore wind in line with Government policy.
- be available to rely upon for the purpose of delivering compensation if required as described in the Strategic compensation measures for offshore wind activities: Marine Recovery Fund interim guidance issued by DESNZ on the 29/01/2025 (DESNZ, 2025)



#### 61.65. The DESNZ guidance states:

- "24. When preparing their draft DCO, applicants may also wish to include a provision allowing for a contribution to be made into the MRF in substitution for delivering the ANS or predator control compensation measure(s) themselves. Any such provision should usually restrict works which give rise to the adverse effect for which compensation is required until evidence has been provided that:
  - an appropriate level of compensation has been secured through the MRF,
  - the amount of any such contribution into the MRF has been agreed between Defra/the MRF Operator and the applicant, and
  - payment has been made for the compensation measure.
- 25. This provision does not guarantee that such measures, which form part of the MRF, will be available and the relevant SNCB will be consulted regarding any such provisions. Note that this formulation alone cannot be relied upon for consent at this time, and must be provided alongside project-specific ornithological compensation measures.
- 26. Applicants whose approved DCO includes strategic compensation measures will, once the MRF is operational, be required to provide evidence to DESNZ Secretary of State that payment has been agreed with and made to the MRF Operator. Works which give rise to the adverse effect for which strategic compensation is required will usually not be permitted to take place until these provisions have been made and the strategic compensation has been in place for a timeframe determined by the DESNZ Secretary of State. The Secretary of State may consider circumstances where the adverse effect can occur before compensation is in place, however this would need to be considered against other factors."
- <u>62.66.</u> Defra have advised that two measures for ornithology compensation will be available through the MRF:
  - Offshore artificial nesting structures (Round Four projects only); and
  - Predator control.
- 63.67. For both these measures, the evidence collated for the respective project-alone measures are equally valid for the purposes of the strategic delivery of these measures.



### 7 Conclusion

- 64.68. This document presents the strategy which has been followed by the Applicant in the development of the compensatory measures proposed for the Project for impacts to kittiwake (and the assemblage) at the FFC SPA in combination with other plans or projects.
- 65.69. The document has provided the compensation quantum and has detailed the Project's approach to the development of the long-list and short-list of measures to be explored which could provide this quantum, as well as the reasoning for the subsequent progression or rejection of measures. It also provides some background on relevant strategic workstreams in which the Project is engaged.
- 66.70. A compensation implementation and monitoring plan to deliver any required compensation for this species will be prepared based on the strategy set out in the final version of this Plan, as secured in Schedule 22 of the Development Consent Order.
- 67.71. An evidence base and roadmap has been developed for Offshore Artificial Nesting Structures which includes kittiwake which demonstrates the robustness of the compensation measure, how it would contribute to the maintenance of the National Site Network if implemented, and how it could deliver the necessary quantum of compensation for the range of predicted impacts.



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