

### Hornsea Project Four: Environmental Statement (ES)

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### Volume A4, Annex 6.3: Compensation Impacts Register

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## Hornsea 4

### **Compensation Impacts Register Explained**



Identifies the sensitivity of the receptor considered, derived from topic-specific criteria.

			ı	mpact Backgrou	nd					
ID	Compensation species	Compensation Measure	Compensation Measure Search Area	Topic	Compensation Measure Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Commitments	Magnitude	S
Unique ID for each impact which can be used to refer betweer those impacts in the ES compensation annex and those in the Compensation Impact Register.	Identifies the species that the measure is compensating for	Identifies the compensation measure from which the impact is anticipated to arise.	Potentisal search area for the compensation measure	Identifies the envirnmental receptor upon which the impact is anticipated to arise	The impact and the activity that the impact arises from.	The Maximum Design Scenario (MDS) based on the the Project Description for the specific impact and activity.	The justification of why the MDS as defined is the MDS, providing reference to other developemnt scenarios or options.	Commitments that are relevant to reduce and/or eliminate Likely Significant Effects (LSE). Primary (Inherant) are commitments that are embedded within the assesment at the relevant point in the EIA. Secondary commitments ares incorportated to reduce LSE to acceptable levels following assessment.	Identifies the expected magnitude of the impact considered, derived from topic-specific criteria.	r
	•	•		,		Example	•			_
BC-Co-O-O1 (i.e. Bycatch (BC); Cornwall (Co); Operational phase (O); Imapet Number )ne (O1)	Kittiwake	Onshore nesting	Suffolk	benthic ecology	Increased vessel traffic during implementation of the repurposed platform may result in interferance with fishing activities in nearby fishing grounds.	Assumption is X number of vessel movements resulting in potential fishing activity interactions.	The maximum design scenario is defined by the maximum area of structures, and scour protection introduced to the water column, including surface area of vertical structures. As well as the maximum number of vessel movements required to trasport materials for	Primary: CoCXX Tertiary: CoCXX	Minor	

Minor	Medium	No LSE identified	Available base data acquired a reassessed to inform simple assessment.

Presents the finding of the EIA. (See Table 1 for further details).

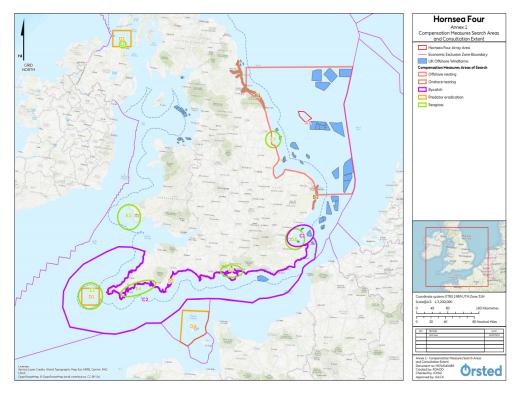
Details the justification for the projects appraoch taken to the Impact.

Table 1. Key to Hornsea Four position

Likely significant effect without secondary mitigation - Simple assessment. See Compensation EIA annex
Likely significant effect without secondary mitigation - Detailed assessment upon confirmation of site selction and delivery mechanism
No likely significant effect identified

Table 2. H	(ey to Impact ID Codes
BC	Bycatch
PR	Offshore Platforms - Refurbishment
PN	Offshore Platforms - New
ON	Onshore Nesting
PE	Predator Eradication
SG	Seagrass
Al	Southern North Sea
Bl	Clayton Bay to Newbiggin by the Sea
B2	Suffolk Coast
C1	Thames Estuary
C2	South coast of England: Broadstairs to Plymouth
D1	Isles of Scilly
D2	Rathlin Island, Moyle, Northern Ireland
D3	Torquay, Devon
D4	Guernsey and Aldernery
El	Rathlin Island, Moyle, Northern Ireland
E2	Isles of Scilly
E3	Celtic Sea, Wales
E4	Plymouth Sound to Helford River
E5	Solent
E6	Essex Estuaries
E7	Humber Estuary

# Hornseq 4 Compensation Impacts Measure Search Area





C +:							
Compensation Measure	Option	Location	Location ID	Kittiwake	Gannet	Guillemot	Razorbill
Offshore nesting	New	southern North Sea	Al				
Offshore nesting	Repurpo sed	southern North Sea	Al				
Onshore nesting	New	Clayton Bay to Newbiggin by the Sea	B1				
		Suffolk Coast	B2				
Bycatch		Thames Estuary	C1				
		South coast of England: Broadstairs to Plymouth	C2				
Predator eradication		Isles of Scilly	D1				
		Rathlin Island, Northern Ireland	D2				
		Torquay, Devon	D3				
		Guernsey and Aldernery	D4				
Fish habitat enhancement	Seagrass	Rathlin Island, Northern Ireland	E1				
	Seagrass	Isles of Scilly	E2				
	Seagrass	Celtic Sea, Wales	E3				
	Seagrass	Plymouth Sound to Helford River	E4				
	Seagrass	Solent Estuary	E5				
	Seagrass	Essex Estuaries	E6				
	Seagrass	Humber Estuary	E7				

### Offshore Nesting - New



Impact Background  D   Compensation   Compensation   Compensation Measure   Topic   Compensation Measure Activity and Impact   Maximum Design Scenario (MDS)   Justification for MDS												
ID	Compensation species		Compensation Measure Development Phase	Торіс	Compensation Measure Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Commitments	Magnitude	Sensitivity	Likely Significant Effect	Justification
MP-PN-SNS- C-01	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Marine Processes	Change to seabed morphology due to indentations left by construction jack-up vessels.	y Jack up vessel footprint of 1,020 m² per operation, eight operations in total = 8,160 m².	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	CoC-OFF-1	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-1 and the impact being highly limited in extent and duration, no LSE is predicted.
MP-PN-SNS- C-02	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Marine Processes	Increases in suspended sediment concentrations and deposition of disturbed sediments to the seabed due to seabed preparation or drilling for foundation installation.	Seabed preparation for two Gravity Base Structure foundations requires removal of 7,478 m <sup>3</sup> of spoil for two structures.	Seabed preparation associated with Gravity Base Structure foundations results in the greatest volumes of sediment disturbed compared with seabed preparation and drilling associated with piled jacket foundations.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
MP-PN-SNS- O-03	Kittiwake & Gannet	Southern North Sec	i Implementation/ Operation & Maintenance	Offshore - Marine Processes	Change to seabed morphology due to indentations left by maintenance jack-up vessels.	V Jack up vessel footprint of 1,020 m <sup>2</sup> per operation, 24 operations per year = 24,480 m <sup>2</sup> .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	CoC-OFF-1	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-1 and the impact being highly limited in extent and duration, no LSE is predicted.
MP-PN-SNS- O-04	Kittiwake & Gannet	Southern North Sec	Implementation/ Operation & Maintenance	Offshore - Marine Processes	Changes to wave and tidal regime and sediment transpor pathways from presence of foundations.	t Two Gravity Base Structure foundations (up to 53 m diameter) with an operational life of 35 years.	The greatest total in-water column blockage to currents is presented by the greatest numbe of	r	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
MP-PN-SNS- O-05	Kittiwake & Gannet	Southern North Sec	Implementation/ Operation & Maintenance	Offshore - Marine Processes	Scour of seabed sediments around foundation and scour protection.	Greatest seabed footprint of foundation and scour protection 13,586 m² (two Gravity Base Structure foundations, associated diameter of 53 m).	The largest seabed footprint will develop the most amount of scour.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
MP-PN-SNS- D-06	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Marine Processes	Increase in suspended sediment concentrations and deposition of disturbed sediment to the seabed from decommissioning activities.	Increases of suspended sediment concentrations and sediment deposition associated with the removal of two foundations.	MDS assumes the removal of foundations.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MP-PN-SNS- D-07	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Marine Processes	Changes to wave and tidal regimes associated with the removal of the platform foundation.	The two foundations represent a blockage and therefore the greatest influence on wave and tidal regime once removed.	MDS assumes the removal of foundations.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MP-PN-SNS- D-08	Kittiwake & Gannet	Southern North Sec	n Decommissioning	Offshore - Marine Processes	Change to seabed morphology due to indentations left by decommissioning jack-up vessels.	y Jack up vessel footprint of 1,020 m² per operation, four operations in total = 4,080 m².	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	CoC-OFF-1	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
BIE-PN-SNS- C-01	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Temporary habitat loss/disturbance and direct damage by jack-up vessels and seabed preparation works.	Total area = $15,638  \text{m}^2$ Jack up vessel footprint of $1,020  \text{m}^2$ per operation, eight operations in total = $8,160  \text{m}^2$ . Foundation seabed preparation for two Gravity Base Structure foundations = $7,478  \text{m}^2$ .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation and the foundation requiring the largest areas of seabed preparation.	CoC-OFF-9	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-9 and the impact being highly limited in extent and duration, no LSE is predicted.
BIE-PN-SNS- C-02	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments to the seabed due to seabed preparation and drilling for foundation installation.	Seabed preparation for two Gravity Base Structure foundations requires removal of 7,478 m <sup>3</sup> of spoil for two structures.	Seabed preparation associated with Gravity Base Structure foundations results in the greatest volumes of sediment disturbed compared with seabed preparation and drilling associated with piled jacket foundations.	CoC-OFF-9	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-9 and the impact being highly limited in extent and duration, no LSE is predicted.
0.07	Kittiwake & Gannet	Southern North Sec	Implementation/ Operation & Maintenance	Offshore - Benthic & Intertidal Ecology	Long term loss of seabed habitat through presence of foundations and scour protection, resulting in potential effects on benthic receptors.	Foundation footprint with scour protection, based on two Gravity Base Structure foundations = 13,586m <sup>2</sup> .	The MDS is defined by the maximum area of seabed lost as a result of the placement of structures and scour protection.	CoC-OFF-9	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-9 and the impact being highly limited in extent and duration, no LSE is predicted.
BIE-PN-SNS- O-04	Kittiwake & Gannet	Southern North Sec	I Implementation/ Operation & Maintenance	Offshore - Benthic & Intertidal Ecology	Maintenance operations may result in temporary seabed disturbances and potential effects on benthic ecology.	Jack up vessel footprint of 1,020 m² per operation, 24 operations per year = 24,480 m².	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	CoC-OFF-9	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-9 and the impact being highly limited in extent and duration, no LSE is predicted.
BIE-PN-SNS- O-05	Kittiwake & Gannet	Southern North Sec	Implementation/ Operation & Maintenance	Offshore - Benthic & Intertidal Ecology	Colonisation of foundations and scour protection may affect benthic ecology and biodiversity.	Two Gravity Base Structure foundations (up to 53 m diameter).	The MDS represents the total area of introduced hard substrate at seabed level plus the total surface area of subsea portions of foundations in contact with the water column.	CoC-OFF-7	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-7 and the impact being highly limited in extent, no LSE is predicted.
BIE-PN-SNS- O-06	Kittiwake & Gannet	Southern North Sec	Implementation/ Operation & Maintenance	Offshore - Benthic & Intertidal Ecology	Increased risk of introduction or spread of invasive and non-native species due to presence of subsea infrastructure and vessel movements (e.g. ballast water).	Two Gravity Base Structure foundations (up to 53 m diameter).	The MDS represents the total area of introduced hard substrate at seabed level plus the total surface area of subsea portions of foundations in contact with the water column.	CoC-OFF-7	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent, no LSE is predicted.
BIE-PN-SNS- D-07	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Benthic & Intertidal Ecology	Temporary loss of habitat due to operations to remove structure, and associated jack-up operations.	Total area = 10,873 m <sup>2</sup> Footprint of platform foundation structure (2,206 m <sup>2</sup> ) and associated scour protection (4,587 m <sup>2</sup> ); and Jack up vessel footprint of 1,020 m <sup>2</sup> per operation, four operations in total = 4,080 m <sup>2</sup> .	Assumes the use of jack-up vessels over	CoC-OFF-9	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
BIE-PN-SNS- D-08	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Benthic & Intertidal Ecology	Temporary increases in suspended sediment concentrations and deposition from removal of structure.	Increases of suspended sediment concentrations and sediment deposition associated with the removal of two foundations.	MDS assumes the removal of foundations.	CoC-OFF-9	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
BIE-PN-SNS- D-09	Kittiwake & Gannet	Southern North Sec	n Decommissioning	Offshore - Benthic & Intertidal Ecology	Removal of foundations leading to loss of species/habitats colonising these structures.	Total surface area of hard substrate on the platform foundation below the waterline.	The MDS is defined by the maximum area of the structure in the water column, including surface area of the vertical structure.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.

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FSE-PN-SNS- C-01	Gannet	Southern North Sec	Construction	Offshore - Fish & Shellfish Ecology	Temporary habitat loss/disturbance and direct damage by jack-up vessels and seabed preparation works.	Total area = 15,638 m <sup>2</sup> Jack up vessel footprint of 1,020 m <sup>2</sup> per operation, eight operations in total = 8,160 m <sup>2</sup> . Foundation seabed preparation for two Gravity Base Structure foundations = 7,478m <sup>2</sup> .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation and the foundation requiring the largest areas of seabed preparation.	Negligible	N/A	NO ESE INCHIMICA	As a result of the implementation of CoC-OFF-9 and the impact being highly limited in extent and duration, no LSE is predicted.
FSE-PN-SNS- C-02	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Fish & Shellfish Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments to the seabed due to seabed preparation and drilling for foundation installation.	Seabed preparation for two Gravity Base Structure foundations requires removal of 7,478 m <sup>3</sup> of spoil for two structures.	Seabed preparation associated with Gravity Base Structure foundations results in the greatest volumes of sediment disturbed compared with seabed preparation and drilling associated with piled jacket foundations.	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-9 and the impact being highly limited in extent and duration, no LSE is predicted.
FSE-PN-SNS- C-03	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Fish & Shellfish Ecology	Underwater noise as a result of foundation installation (i.e piling) and Unexploded Ordnance clearance resulting in potential effects on fish and shellfish receptors.	e. Piling of two foundation structures and associated Unexploded Ordnance clearance (if required).	The greatest amount of noise-generating activities.	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-10 and the impact being highly limited in extent and duration, no LSE is predicted.
FSE-PN-SNS- O-04	Gannet	Southern North Sec	Implementation/ Operation & Maintenance	Offshore - Fish & Shellfish Ecology	Long term loss of seabed habitat through presence of foundations and scour protection, resulting in potential effects on fish and shellfish ecology.	Foundation footprint with scour protection, based on two Gravity Base Structure foundations = 13,586m <sup>2</sup> .	seabed lost as a result of the placement of structures and scour protection.	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent, no LSE is predicted.
FSE-PN-SNS- O-05	Kittiwake & Gannet	Southern North Sec	Implementation/ Operation & Maintenance	Offshore - Fish & Shellfish Ecology	Colonisation of foundations and scour protection may affect fish and shellfish ecology.	Two Gravity Base Structure foundations (up to 53 m diameter).	The MDS represents the total area of introduced hard substrate at seabed level plus the total surface area of subsea portions of foundations in contact with the water column.	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent, no LSE is predicted.
FSE-PN-SNS- O-06	Kittiwake & Gannet	Southern North Sec	Implementation/ Operation & Maintenance	Offshore - Fish & Shellfish Ecology	Maintenance operations may result in temporary seabed disturbances and potential effects on fish and shellfish ecology.	Jack up vessel footprint of 1,020 m² per operation, 24 operations per year = 24,480 m².	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
FSE-PN-SNS- D-07	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Fish & Shellfish Ecology	Temporary loss of habitat due to operations to remove structure, and associated jack-up operations.	Total area = $10.873  \text{m}^2$ Footprint of platform foundation structure (2,206 m²) and associated scour protection (4,587 m²); and Jack up vessel footprint of $1,020  \text{m}^2$ per operation, four operations in total = $4,080  \text{m}^2$ .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation and the total area occupied by the platform foundation.	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
FSE-PN-SNS- D-08	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Fish & Shellfish Ecology	Temporary increases in suspended sediment concentrations and deposition from removal of structure resulting in potential effects on fish and shellfish ecology.		MDS assumes the removal of foundations. CoC-OFF-9	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
FSE-PN-SNS- D-09	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Fish & Shellfish Ecology	Effects on fish and shellfish receptors due to removal of structure leading to loss of hard substrates and structural complexity.	Total surface area of hard substrate on the platform l foundation below the waterline.	The MDS is defined by the maximum area of the structure in the water column, including surface area of the vertical structure.	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
FSE-PN-SNS- D-10	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Fish & Shellfish Ecology	Decommissioning activities producing subsea noise resulting in potential effect on fish and shellfish receptors	Underwater noise associated with the decommissioning of the platform foundation, including (but not limited to) high powered water jetting/cutting apparatus and grinding or drilling techniques. Vessel noise from vessels undertaking the decommissioning works.	The MDS assumes the removal of the foundations by methods including abrasive cutting, with foundations cut below the seabed.	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MM-PN-SNS- C-01	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Marine Mammals	Increased vessel traffic during construction may result in an increase in disturbance to or collision risk with marine mammals.	Up to $150$ return trips over the $12$ month repurposing period.	The maximum number of vessels transits and the maximum duration of the construction would result in the greatest potential for disturbance.	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
MM-PN-SNS- C-02	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Marine Mammals	Increased suspended sediments arising from construction activities, such as seabed clearance or drilling, may reduce water clarity and impair the foraging ability of marine mammals.	Seabed preparation for two Gravity Base Structure foundations requires removal of 7,478 m <sup>3</sup> of spoil for two structures.	Seabed preparation associated with Gravity Base Structure foundations results in the greatest volumes of sediment disturbed compared with seabed preparation and drilling associated with piled jacket foundations.	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
MM-PN-SNS- C-03	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Marine Mammals	Underwater noise from foundation piling and Unexploded Ordnance clearance has the potential to cause injury or disturbance to marine mammals.		The greatest amount of noise-generating CoC-OFF-10 activities.	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-10 and the impact being highly limited in extent and duration, no LSE is predicted.
MM-PN-SNS- O-04	Kittiwake & Gannet	Southern North Sec	Implementation/ Operation & Maintenance	Offshore - Marine Mammals	Increased vessel traffic during operation and maintenanc may result in an increase in disturbance to, or collision with marine mammals.	e Up to 72 return trips per year.	The MDS represents highest yearly level of operation and maintenance vessel round trips that would result in the greatest potential for disturbance.	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
MM-PN-SNS- D-05	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Marine Mammals	Underwater noise arising from decommissioning activities and associated vessels may cause disturbance to marine mammals.	Underwater noise associated with the decommissioning of the platform foundation, including (but not limited to) high powered water jetting/cutting apparatus and grinding or drilling techniques. Vessel noise from vessels undertaking the decommissioning works.	The MDS assumes the removal of the foundations by methods including abrasive cutting, with foundations cut below the seabed.	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MM-PN-SNS- D-06	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Marine Mammals	Increased vessel traffic during decommissioning activities may result in an increase in disturbance to, or collision risk with marine mammals.		The maximum number of vessels transits and the maximum duration of the repurposing would result in the greatest potential for disturbance.	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MM-PN-SNS- D-07	Kittiwake & Gannet	Southern North Sec	Decommissioning	Offshore - Marine Mammals	Increased suspended sediments arising from decommissioning activities may impair the foraging abilit of marine mammals.	Increases of suspended sediment concentrations and y sediment deposition associated with the removal of two foundations.	MDS assumes the removal of foundations.	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
ORN-PN- SNS-C-01	Kittiwake & Gannet	Southern North Sec	Installation/ Construction	Offshore - Offshore & Intertidal Ornithology	The impact of construction activities such as increased vessel activity and underwater noise may result in direct disturbance or displacement from important foraging and habitat areas of birds.		The maximum number of vessels transits and the maximum duration of the construction would result in the greatest potential for disturbance and displacement.	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
ORN-PN- SNS-O-02	Kittiwake & Gannet	Southern North Sec	Operation &	Offshore - Offshore & Intertidal Ornithology	The impact of physical displacement from an area around the structures may result in effective habitat loss and	d Prescence of two structures.	The greatest number of structures represents the greatest displacement.	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent, no LSE is predicted.
ORN-PN- SNS-O-03	Kittiwake & Gannet	Southern North Sec	Maintenance Implementation/ Operation &	Offshore - Offshore & Intertidal Ornithology	reduction in survival or fitness rates.  The impact of barrier effects caused by the physical presence of the structures may prevent clear transit of	Prescence of two structures.	The greatest number of structures represents the greatest displacement.	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent, no LSE is predicted.

ORN-PN- SNS-O-04	Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Offshore & Intertidal Ornithology	The impact of attraction to lit structures by migrating birds in particular may cause disorientation, reduction in fitness and possible mortality.	Operation of two offshore nesting structures. Lighting outward and not directional on all structures, maximised intensity and range to provide best visibility for aviation and shipping purposes. Red and white lighting, which has been shown to be more disorienting for migrating birds.	birds will be attracted to structures and		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent, no LSE is predicted.
ORN-PN- SNS-O-05	Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Offshore & Intertidal Ornithology	The impact of maintenance activities such as increased vessel activity may result in disturbance or displacement from important foraging and habitat areas of birds.	Up to 72 return vessel trips per year plus helicopter trips.	The MDS represents highest yearly level of operation and maintenance vessel and helicopter round trips that would result in the greatest potential for disturbance and displacement.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
ORN-PN- SNS-D-06	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Offshore & Intertidal Ornithology	The impact of direct disturbance and displacement due to underwater noise and vessel traffic may result in disturbance or displacement from important foraging and habitat areas of birds.	decommissioning period.	The maximum number of vessels transits and the maximum duration of the decommissioning would result in the greatest potential for disturbance and displacement.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
CF-PN-SNS- C-01	Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Commercial Fisheries	Construction activities and physical presence of structure leading to reduction in access to, or exclusion from established fishing grounds.	s Prescence of two structures.	The greatest number of structures represents the greatest reduction in access to, or exclusior from established fishing ground.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-11 CoC-OFF-12	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, CoC- OFF-6, CoC-OFF-11, CoC-OFF-12, and the impact being highly limited in extent and duration, no LSE is predicted.
CF-PN-SNS- C-02	Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Commercial Fisheries	Increased vessel traffic within fishing grounds as a result o changes to shipping routes and transiting construction vessel traffic leading to interference with fishing activity.	of Up to $150$ return trips over the $12$ month repurposing period.	The maximum number of vessels transits and the maximum duration of the construction would result in the greatest potential for interference with fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
CF-PN-SNS- O-03	Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Commercial Fisheries	Increased vessel traffic within fishing grounds as a result o changes to shipping routes and maintenance vessel traffic from the structure leading to interference with fishing activity.		The MDS represents highest yearly level of operation and maintenance vessel round trips that would result in the greatest potential for interference with fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
CF-PN-SNS- O-04	Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Commercial Fisheries	Physical presence of structures leading to reduction in access to, or exclusion from established fishing grounds.	Prescence of two structures.	The greatest number of structures represents the greatest reduction in access to, or exclusion from established fishing ground.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-11 CoC-OFF-12	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, CoC- OFF-6, CoC-OFF-11, CoC-OFF-12, and the impact being highly limited in extent and duration, no LSE is predicted.
CF-PN-SNS- D-05	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Commercial Fisheries	Increased vessel traffic within fishing grounds as a result o changes to shipping routes and transiting decommissioning vessel traffic from the structure leading to interference with fishing activity.	decommissioning period.	The maximum number of vessels transits and the maximum duration of the construction would result in the greatest potential for interference with fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
AV-PN-SNS- O-01	Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Aviation & Rada	Increased air traffic in the area related to operation and maintenance activities in the construction phase may affect the available airspace for other users.	Helicopter operation and maintenance trips.	The maximum number of helicopter trips associated with operation and maintenance activities would result in the greatesty impact on other aviation users.		Negligible	N/A	No LSE identified	As a result of the impact being highly limited in extent and duration, with the small number of helicopter trips required for the works in the context of existing activity in the area, no LSE is predicted.
SN-PN-SNS- C-01	Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Shipping & Navigation	Construction activities may cause vessels to be deviated leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Up to 150 return trips over the 12 month construction period.	Maximum number of repurposing vessels over the longest construction period.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the grag, no LSE is predicted.
SN-PN-SNS- C-02	Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Shipping & Navigation	Structure will create powered and drifting allision risk for all vessels.	Prescence of two structures.	The greatest number of structures represents the greatest allision risk.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, CoC OFF-6 and CoC-OFF-12, and the impact being highly limited in extent and duration, no LSE is predicted.
SN-PN-SNS- C-03	Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Shipping & Navigation	Construction activities may restrict the emergency response capability of existing resources.	Up to $150$ return trips over the $12$ month repurposing period.	Maximum number of construction vessels over the longest repurposing period.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, CoC OFF-6, and CoC-OFF-12 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
SN-PN-SNS- O-04	Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Shipping & Navigation	Presence of structures may cause vessels to be deviated leading to increased encounters and therefore increased vessel to vessel collision risk for all vessel in all weather conditions.	Prescence of two structures.	The greatest number of structures represents the greatest deviations.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, CoC OFF-6 and CoC-OFF-12, and the impact being highly limited in extent and duration, no LSE is predicted.
SN-PN-SNS- O-05 SN-PN-SNS-	Gannet	Southern North Sea	Operation & Maintenance	Offshore - Shipping & Navigation	Presence of structures may increase vessel to structure allision risk for all vessels.	Prescence of two structures.	The greatest number of structures represents the greatest allision risk.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified  No LSE identified	As a result of the implementation of CoC-OFF-3, CoC OFF-6 and CoC-OFF-12, and the impact being highly limited in extent and duration, no LSE is predicted.
O-06	Kittiwake & Gannet	Southern North Sea	Operation & Maintenance	Offshore - Shipping & Navigation	Maintenance activities may cause vessels to be deviated leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	up to 72 return trips per year.	The MDS represents highest yearly level of operation and maintenance vessel round trips that would result in the greatest potential for collision risk.	CoC-OFF-3	Negligible	N/A	No ESE Idellation	As a result of the implementation of CoC-OFF-3 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
SN-PN-SNS- O-07	Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Shipping & Navigation	Operation and maintenance activities may restrict the emergency response capability of existing resources.	Up to 72 return vessel trips per year plus helicopter trips.	The MDS represents highest yearly level of operation and maintenance vessel and helicopter round trips that would result in the greatest restriction to emergency response capability.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, CoC OFF-6, and CoC-OFF-12 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
SN-PN-SNS- D-08	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Shipping & Navigation	Decommissioning activities may cause vessels to be deviated leading to increased encounters and therefore increased vessel to vessel collision risk for all vessels in all weather conditions.	Removal of two foundations and up to 150 return trips over the 12 month decommissioning period.	Removal of foundations and maximum number of decommissioning vessels over the longest decommissioning period.	CoC-OFF-3	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
SN-PN-SNS- D-09	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Shipping & Navigation	Decommissioning structure will create powered and drifting allision risk for all vessels.	Removal of two foundations.	MDS assumes the removal of foundation.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
SN-PN-SNS- D-10	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Shipping & Navigation	Decommissioning activities may restrict the emergency response capability of existing resources.	Up to 150 return trips over the 12 month decommissioning period.	Maximum number of repurposing vessels over the longest decommissioning period.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified	year operational title of nornsed rour.  The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MA-PN-SNS- D-01	Gannet	Southern North Sea		Offshore - Marine Archaeology	Draw-down of sediment into voids left by removed foundation leading to loss of sediment, destabilising archaeological sites and contexts, and exposing such material to natural, chemical or biological processes, and causing or accelerating loss of the same.		MDS assumes the removal of foundation.	CoC-OFF-2 CoC-OFF-14	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MA-PN-SNS- D-02	Kittiwake & Gannet	Southern North Sea	pecommissioning	Offshore - Marine Archaeology	Penetration and compression effects of jack-up barges and anchoring of decommissioning vessels leading to total or partial loss of archaeological receptors (material or contexts).	Up to 150 return trips over the 12 month repurposing period.	Maximum number of repurposing vessels over the longest repurposing period.	CoC-OFF-2 CoC-OFF-14	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.

IOL C-C	Kittiwake & Gannet	Southern North Sea Installation/ Construction	Displacement of recreational craft and recreational fishing vessels resulting in a loss of recreational resource.	Up to 150 return trips over the $12$ month repurposing period.	Maximum number of construction vessels over the longest repurposing period.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, CoC-OFF-6, and CoC-OFF-12 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
10L 0-0	Kittiwake & Gannet	Southern North Sea Implementation/ Operation & Maintenance	Displacement of recreational craft and recreational fishing vessels resulting in a loss of recreational resource.	Up to 72 return trips per year.	The MDS represents highest yearly level of operation and maintenance vessel round trips.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, CoC-OFF-6, and CoC-OFF-12 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
D-C	Kittiwake & Gannet	Southern North Sea Decommissioning	Displacement of recreational craft and recreational fishing vessels resulting in a loss of recreational resource.	Removal of two foundations and up to 150 return trips over the 12 month decommissioning period.	Removal of foundations and maximum number of decommissioning vessels over the longest decommissioning period.	CoC-OFF-3 CoC-OFF-6 CoC-OFF-12	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.

### Hornsea 4

### Offshore Nesting -Repurposed



	Impact Background											
ID	Compensation Species	Compensation Measure Search Area	Compensation Measure Development Phase	Торіс	Compensation Measure Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Commitments	Magnitude	Sensitivity	Likely Significant Effect	Justification
BIE-PR-SNS C-01	- Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Temporary habitat loss/disturbance and direct damage by jack-up vessels.	Jack up vessel footprint of 1,020 m <sup>2</sup> per operation, two operations in total = 2,040 m <sup>2</sup> .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	CoC-OFF-1	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-1 and the impact being highly limited in extent and duration, no LSE is predicted.
BIE-PR-SNS O-02	- Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Benthic & Intertidal Ecology	Maintenance operations may result in temporary seabed disturbances and potential effects on benthic ecology.	Jack up vessel footprint of 1,020 m <sup>2</sup> per operation, 24 operations per year = 24,480 m <sup>2</sup> .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	CoC-OFF-1	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-1 and the impact being highly limited in extent and duration, no LSE is predicted.
BIE-PR-SNS D-03	- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Benthic & Intertidal Ecology	Temporary loss of habitat due to operations to remove structure and associated jack-up operations resulting in potential effects on benthic ecology.	Total area = $10,873 \text{ m}^2$ Footprint of platform foundation structure (2,206 m²) and associated scour protection (4,587 m²); and Jack up vessel footprint of 1,020 m² per operation, four operations in total = $4,080 \text{ m}^2$ .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation and the total area occupied by the platform foundation.	CoC-OFF-1	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
BIE-PR-SNS D-04	- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Benthic & Intertidal Ecology	Temporary increases in suspended sediment concentrations and deposition from removal of structure resulting in potential effects on benthic ecology.	Increases of suspended sediment concentrations and sediment deposition associated with the removal of the platform foundation.	MDS assumes the removal of foundation.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year
BIE-PR-SNS D-05	i- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Benthic & Intertidal Ecology	Removal of foundations leading to loss of species/ habitats colonising these structures.	Total surface area of hard substrate on the platform foundation below the waterline.	The MDS is defined by the maximum area of the structure in the water column, including surface area of the vertical structure.		Negligible	N/A	No LSE identified	operational life of Hornsea Four. The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four
FSE-PR-SNS C-01	S- Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Fish & Shellfish Ecology	Temporary habitat loss/disturbance and direct damage by jack-up vessels.	Jack up vessel footprint of $1,020  \text{m}^2$ per operation, two operations in total = $2,040  \text{m}^2$ .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
FSE-PR-SNS O-02	S- Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Fish & Shellfish Ecology	Maintenance operations may result in temporary seabed disturbances and potential effects on fish and shellfish ecology.	Jack up vessel footprint of 1,020 m $^2$ per operation, 24 operations per year = 24,480 m $^2$ .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
FSE-PR-SNS D-03	S- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Fish & Shellfish Ecology	Temporary loss of habitat due to operations to remove structure, and associated jack-up operations resulting in potential effects on fish and shellfish ecology.	Total area = $10.873 \text{ m}^2$ Footprint of platform foundation structure ( $2,206 \text{ m}^2$ ) and associated scour protection ( $4,587 \text{ m}^2$ ); and Jack up vessel footprint of $1,020 \text{ m}^2$ per operation, four operations in total = $4,080 \text{ m}^2$ .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation and the total area occupied by the platform foundation.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
FSE-PR-SNS D-04	5- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Fish & Shellfish Ecology	Temporary increases in suspended sediment concentrations and deposition from removal of structure resulting in potential effects on fish and shellfish ecology.	Increases of suspended sediment concentrations and sediment deposition associated with the removal of the platform foundation.	MDS assumes the removal of foundation.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Homsea Four
FSE-PR-SNS D-05	S-Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Fish & Shellfish Ecology	Effects on fish and shellfish receptors due to removal of structure leading to loss of hard substrates and structural complexity.	Total surface area of hard substrate on the platform foundation below the waterline.	The MDS is defined by the maximum area of the structure in the water column, including surface area of the vertical structure.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
FSE-PR-SNS D-06	6- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Fish & Shellfish Ecology	Decommissioning activities producing subsea noise resulting in potential effect on fish and shellfish receptors.	Underwater noise associated with the decommissioning of the platform foundation, including (but not limited to) high powered water jetting/cutting apparatus and grinding or drilling techniques. Vessel noise from vessels undertaking the decommissioning works.	The MDS assumes the removal of the foundations by methods including abrasive cutting, with foundations cut below the seabed.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
CF-PR-SNS- C-01	- Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Commercial Fisheries	Increased vessel traffic within fishing grounds as a result of changes to shipping routes and transiting repurposing vessel traffic leading to interference with fishing activity.	Up to 150 return trips over the 12 month repurposing period.	The maximum number of vessels transits and the maximum duration of the repurposing would result in the greatest potential for interference.	CoC-OFF-3 CoC-OFF-6	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-6, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
CF-PR-SNS- D-02	- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Commercial Fisheries	Increased vessel traffic within fishing grounds as a result of changes to shipping routes and transiting decommissioning vessel traffic leading to interference with fishing activity.		The maximum number of vessels transits and the maximum duration of the decommissioning would result in the greatest potential for interference.	CoC-OFF-3 CoC-OFF-6	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-6, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
IOU-PR-SN! C-01	S-Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Infrastructure & Othe Users	Vessels undertaking repurposing works may displace r recreational craft and recreational fishing vessels resulting in a loss of recreational resource.	Up to 150 return trips over the 12 month repurposing period.	The maximum number of vessels transits and the maximum duration of the repurposing would result in the greatest potential for displacement.	CoC-OFF-3 CoC-OFF-6	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-6, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
D-03	S-Kittiwake & Gannet	Southern North Sea		Offshore - Infrastructure & Othe Users	in a loss of recreational resource.	decommissioning period.	The maximum number of vessels transits and the maximum duration of the decommissioning would result in the greatest potential for displacement.		Negligible	N/A		The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year
MM-PR-SNS C-01	S- Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Marine Mammals	Increased vessel traffic during repurposing may result in an increase in disturbance to, or collision risk with marine mammals.	Up to 150 return trips over the 12 month repurposing period.	The maximum number of vessels transits and the maximum duration of the repurposing would result in the greatest potential for disturbance.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is

MM-PR-SNS D-02	- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Marine Mammals	Increased vessel traffic during decommissioning activities may result in an increase in disturbance to, or collision risk with marine mammals.	Up to 150 return trips over the 12 month decommissioning period.	The maximum number of vessels transits and the maximum duration of the repurposing would result in the greatest potential for disturbance.	CoC-OFF-4	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MM-PR-SNS D-03	- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Marine Mammals	Underwater noise arising from decommissioning activities and associated vessels may cause disturbance to marine mammals.	Underwater noise associated with the decommissioning of the platform foundation, including (but not limited to) high powered water jetting/cutting apparatus and grinding or drilling techniques. Vessel noise from vessels undertaking the decommissioning works.	The MDS assumes the removal of the foundations by methods including abrasive cutting, with foundations cut below the seabed.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MM-PR-SNS D-04	- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Marine Mammals	Increased suspended sediments arising from decommissioning activities may impair the foraging ability of marine mammals.	Increases of suspended sediment concentrations and sediment deposition associated with the removal of the platform foundation.	MDS assumes the removal of foundation.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year
MP-PR-SNS C-01	Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Marine Processes	Change to seabed morphology due to indentations left by repurposing jack-up vessels.	Jack up vessel footprint of 1,020 m <sup>2</sup> per operation, two operations in total = 2,040 m <sup>2</sup> .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	CoC-OFF-1	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-1 and the impact being highly limited in extent and duration, no LSE is predicted.
MP-PR-SNS O-02	Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Marine Processes	Change to seabed morphology due to indentations left by maintenance jack-up vessels.	Jack up vessel footprint of 1,020 m <sup>2</sup> per operation, 24 operations per year = 24,480 m <sup>2</sup> .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	CoC-OFF-1	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-1 and the impact being highly limited in extent and duration, no LSE is predicted.
MP-PR-SNS D-03	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Marine Processes	Increase in suspended sediment concentrations and deposition of disturbed sediment to the seabed from decommissioning activities.	Increases of suspended sediment concentrations and sediment deposition associated with the removal of the platform foundation.	MDS assumes the removal of foundation.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of
MP-PR-SNS D-04	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Marine Processes	Changes to wave and tidal regimes associated with the removal of the platform foundation.	The platform foundation represents a blockage and therefore the greatest influence on wave and tidal regime once removed.	MDS assumes the removal of foundation.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year
MP-PR-SNS D-05	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Marine Processes	Change to seabed morphology due to indentations left by decommissioning jack-up vessels.	Jack up vessel footprint of 1,020 m <sup>2</sup> per operation, four operations in total = 4,080 m <sup>2</sup> .	Assumes the use of jack-up vessels over dynamic positioning vessel as the former will encounter the seabed. The MDS results from the maximum number of jack up operations with the largest footprint per operation.	CoC-OFF-1	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
ORN-PR- SNS-C-01	Kittiwake & Gannet	Southern North Sea	Installation/ Construction		The impact of construction activities such as increased vessel activity may result in direct disturbance or displacement from important foraging and habitat areas of birds.	Up to 150 return trips over the 12 month repurposing period.	The maximum number of vessels transits and the maximum duration of the repurposing would result in the greatest potential for disturbance and displacement.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
ORN-PR- SNS-D-03	Kittiwake & Gannet	Southern North Sea	Decommissioning		The impact of direct disturbance and displacement due to underwater noise and vessel traffic may result in disturbance or displacement from important foraging and habitat areas of birds.	Up to 150 return trips over the 12 month decommissioning period.	The maximum number of vessels transits and the maximum duration of the decommissioning would result in the greatest potential for disturbance and displacement.		Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MA-PR-SNS D-01	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Marine Archaeology	Draw-down of sediment into voids left by removed foundation leading to loss of sediment, destabilising archaeological sites and contexts, and exposing such material to natural, chemical or biological processes, and causing or accelerating loss of the same.	Removal of platform foundation	MDS assumes the removal of foundation.	CoC-OFF-2 CoC-OFF-14	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
MA-PR-SNS D-01	- Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Marine Archaeology	Penetration and compression effects of jack-up barges and anchoring of decommissioning vessels leading to total or partial loss of archaeological receptors (material or contexts).	Up to 150 return trips over the 12 month repurposing period.	Maximum number of repurposing vessels over the longest repurposing period.	CoC-OFF-2 CoC-OFF-14	Negligible	N/A	No LSE identified	
SN-PR-SNS- C-01	Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Shipping & Navigation	Repurposing activities may cause vessels to be deviated leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Up to 150 return trips over the 12 month repurposing period.	Maximum number of repurposing vessels over the longest repurposing period.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
SN-PR-SNS- C-02	Kittiwake & Gannet	Southern North Sea	Installation/ Construction	Offshore - Shipping & Navigation	Repurposing activities may restrict the emergency response capability of existing resources.	Up to 150 return trips over the 12 month repurposing period.	Maximum number of repurposing vessels over the longest repurposing period.	CoC-OFF-3 CoC-OFF-6	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-6, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
SN-PR-SNS- O-03	Kittiwake & Gannet	Southern North Sea	Implementation/ Operation & Maintenance	Offshore - Shipping & Navigation	Operation and maintenance activities may restrict the emergency response capability of existing resources.	Up to 72 return vessel trips per year plus helicopter trips.	The MDS represents highest yearly level of operation and maintenance vessel and helicopter round trips that would result in the greatest restriction to emergency response capability.		Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-6, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
SN-PR-SNS- D-04	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Shipping & Navigation	Decommissioning activities may cause vessels to be deviated leading to increased encounters and therefore increased vessel to vessel collision risk for all vessels in all weather conditions.	Removal of platform foundation and up to 150 return trips over the 12 month decommissioning period.	Removal of foundations and maximum number of decommissioning vessels over the longest decommissioning period.	CoC-OFF-3	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
SN-PR-SNS- D-05	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Shipping & Navigation	Decommissioning structure will create powered and drifting allision risk for all vessels.	Removal of platform foundation.	MDS assumes the removal of foundation.	CoC-OFF-3 CoC-OFF-6	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.
SN-PR-SNS- D-06	Kittiwake & Gannet	Southern North Sea	Decommissioning	Offshore - Shipping & Navigation	Decommissioning activities may restrict the emergency response capability of existing resources.	Up to 150 return trips over the 12 month decommissioning period.	Maximum number of repurposing vessels over the longest decommissioning period.	CoC-OFF-3 CoC-OFF-6	Negligible	N/A	No LSE identified	The requirement for, and the exact nature of decommissioning the offshore and onshore nesting structures, will be determined in consultation with the relevant authorities towards the end of the 35-year operational life of Hornsea Four.

### Hornsea 4

#### **Predator Eradication**



					Impact Backgro							
	Compensation species	Compensation Measure Search Area	Compensation Measure Development Phase	Topic	Compensation Measure Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Commitments	Magnitude	Sensitivity	Likely Significant Effect	Justification
ENC-PE- IOS-O-01 R	Guillemot & Razorbill	Isles of Scilly (D1)	Implementation/ Operation	Onshore - Ecology and Nature Conservation	Impacts to non target predator species (i.e. species not known to be deterimental to guillemots and/or razorbills). Potential impacts could occur via consumption of dead poisoned targetted predators or direct ingestion of posion.	Duration of predator eradication to be determined plus two year period of monitoring.	Two year period of monitoring use for Canna Island predator erradication.	CoC-ON-41 CoC-ON-1	Moderate to Major	Low to Medium		Impact will be mitigated by stated commitments.
ENC-PE- IOS-O-02 R	Guillemot & Razorbill	Isles of Scilly (D1)	Implementation/ Operation	Onshore - Ecology and Nature	Habitat disturbance due to increased human activity due to implementation of eradication programme e.g. regular	Duration of predator eradication monitoring to be determined plus two year period of monitoring.	Two year period of monitoring use for Canna Island predator erradication.	CoC-ON-41 CoC-ON-1	Moderate	Medium	No LSE	Impact will be mitigated by stated commitments.
SE-PE-IOS-C O-01 R	Guillemot & Razorbill	Isles of Scilly (D1)	Implementation/ Operation	Conservation Onshore - Socio- economic	setting of baits or traps and monitoring work. Impacts to community through concern of risks to livestock and domestic animals.	n/a	n/a	CoC-ON-32	Minor to Major (site specifc)	High	No LSE	Impact will be mitigated by stated commitments.
SE-PE-IOS-G O-02 R	Guillemot & Razorbill	Isles of Scilly (D1)	Implementation/ Operation	Onshore - Socio- economic	Impacts to local commnity and land owners due to potential restrictions to land use and management practises.	n/a	n/a	CoC-ON-32	Minor to Major (site specifc)	High	No LSE	Impact will be mitigated by stated commitments.
	Guillemot & Razorbill	Isles of Scilly (D1)	Installation/ Construction	Onshore - Hydrology and Flood Risk	Leaching of poison into water dependant habitat and waterbodies in close proxmity to poison bait stations.	Maximum no. of bait stations to be determined	n/a	CoC-ON-41 CoC-ON-12	Minor	Moderate	No LSE	Impact will be mitigated by stated commitments.
TT-PE- IOS-O-01 R	Guillemot & Razorbill	Isles of Scilly (D1)	Implementation/ Operation	Onshore - Traffic and Transport	Increased traffic from vehicle movements during setting of poison and from monitoring visits.	Duration of predator eradication monitoring to be determined plus two year period of monitoring.	n/a	CoC-ON-37	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
NV-PE- IOS-O-01 R	Guillemot & Razorbill	Isles of Scilly (D1)	Implementation/ Operation	Onshore - Noise and Vibration	Increase in noise and vibration to human and ecological receptors due to vehicle movements during implementation.	Duration of predator eradication monitoring to be determined plus two year period of monitoring.	n/a	CoC-ON-41	Negligible	High	No LSE	Noisy activities associated with predator eradication implementation predominately relate to the use of vehicles to access sites. Such activity would be of a negligble magnitude due to the intermittent nature and low number of vehicles required. Magnitude considered negligble and therefore cannot result in a LSE.
AQ-PE- IOS-O-01 R	Guillemot & Razorbill	Isles of Scilly (D1)	Implementation/ Operation	Onshore - Air Quality	Impacts on human and ecological receptors due to increase in air pollution due to vehicle movements.	Duration of predator eradication monitoring to be determined plus two year period of monitoring.	n/a	CoC-ON-19	Negligible	Moderate	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
SE-PE-IOS-G O-03 R	Guillemot & Razorbill	Isles of Scilly (D1)	Implementation/ Operation	Onshore - Socio- economic	Positive impact to local economy from monitoring requirements during operation.	Duration of monitoring and no. of FTE workers to be determined following site selection.		CoC-ON-41	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
SE-PE-IOS-G O-04 R	Guillemot & Razorbill	Isles of Scilly (D1)	Implementation/ Operation	Onshore - Socio- economic	Impacts to tourism due to biosecurity measures.	Biosecurity measures are expected to last indefinitely.	Ongoing measures are required to ensure island stays rodent-free.	CoC-ON-41 CoC-ON-38	Minor to Major (site specifc)	High	No LSE	Impact will be mitigated by stated commitments.
	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Implementation/ Operation	Onshore - Ecology and Nature Conservation	Impacts to non target predator species (i.e. species not known to be deterimental to guillemots and/or razorbills). Potential impacts could occur via consumption of dead poisoned targetted predators or direct ingestion of posion.	Duration of predator eradication to be determined plus two year period of monitoring.	Two year period of monitoring use for Canna Island predator erradication.	CoC-ON-41 CoC-ON-1	Moderate to Major	Low to Medium	No LSE	Impact will be mitigated by stated commitments.
	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Implementation/ Operation	Onshore - Ecology and Nature Conservation	Habitat disturbance due to increased human activity due to implementation of eradication programme e.g. regular setting of baits or traps and monitoring work.	Duration of predator eradication monitoring to be determined plus two year period of monitoring.	Two year period of monitoring use for Canna Island predator erradication.	CoC-ON-41 CoC-ON-1	Moderate	Medium	No LSE	Impact will be mitigated by stated commitments.
	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Implementation/ Operation	Onshore - Socio- economic	Impacts to community through concern of risks to livestock and domestic animals.	n/a	n/a	CoC-ON-32	Minor to Major (site specifc)	High	No LSE	Impact will be mitigated by stated commitments.
	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Implementation/ Operation	Onshore - Socio- economic	Impacts to local commnity and land owners due to potential restrictions to land use and management practises.	n/a	n/a	CoC-ON-32	Minor to Major (site specifc)	High	No LSE	Impact will be mitigated by stated commitments.
	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Installation/ Construction	Onshore - Hydrology and Flood Risk	Leaching of poison into water dependant habitat and waterbodies in close proxmity to poison bait stations.	Maximum no. of bait stations to be determined	n/a	CoC-ON-41 CoC-ON-12	Minor	Moderate	No LSE	Impact will be mitigated by stated commitments.
TT-PE-RI- O-01 R	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Implementation/ Operation	Onshore - Traffic and Transport	Increased traffic from vehicle movements during setting of poison and from monitoring visits.	Duration of predator eradication monitoring to be determined plus two year period of monitoring.	n/a	CoC-ON-37	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
NV-PE-RI- C O-01 R	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Implementation/ Operation	Onshore - Noise and Vibration	Increase in noise and vibration to human and ecological receptors due to vehicle movements during implementation.	Duration of predator eradication monitoring to be determined plus two year period of monitoring.	n/a	CoC-ON-41 CoC-ON-37	Negligible	High	No LSE	Noisy activities associated with predator eradication implementation predominately relate to the use of vehicles to access sites. Such activity would be of a negligble magnitude due to the intermittent nature and low number of vehicles required. Magnitude considered negligble and therefore cannot result in a LSE.
AQ-PE-RI- G O-01 R	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Implementation/ Operation	Onshore - Air Quality	Impacts on human and ecological receptors due to increase in air pollution due to vehicle movements.	Duration of predator eradication monitoring to be determined plus two year period of monitoring.	n/a	CoC-ON-19	Negligible	Moderate	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
SE-PE-RI- O-03 R	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Implementation/ Operation	Onshore - Socio- economic	Positive impact to local economy from monitoring requirements during operation.	Duration of monitoring and no. of FTE workers to be determined following site selection.		CoC-ON-41	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
	Guillemot & Razorbill	Rathlin Island, Moyle, Northern Ireland (D2)	Implementation/ Operation	Onshore - Socio- economic	Impacts to tourism due to biosecurity measures.	Biosecurity measures are expected to last indefinitely.	Ongoing measures are required to ensure island stays rodent-free.	CoC-ON-41 CoC-ON-38	Minor to Major (site specifc)	High	No LSE	Impact will be mitigated by stated commitments.
	Guillemot & Razorbill	Channel Islands (D4)	Implementation/ Operation	Onshore - Ecology and Nature Conservation	Impacts to non target predator species (i.e. species not known to be deterimental to guillemots and/or razorbills). Potential impacts could occur via consumption of dead poisoned targetted predators or direct ingestion of posion.	Duration of predator eradication to be determined plus two year period of monitoring.	Two year period of monitoring use for Canna Island predator erradication.	CoC-ON-41 CoC-ON-1	Moderate to Major	Low to Medium	No LSE	Impact will be mitigated by stated commitments.
	Guillemot & Razorbill	Channel Islands (D4)	Implementation/ Operation	Onshore - Ecology and Nature	Habitat disturbance due to increased human activity due to implementation of eradication programme e.g. regular catting of holitage traps and monitoring work		Two year period of monitoring use for Canna Island predator erradication.	CoC-ON-41 CoC-ON-1	Moderate	Medium	No LSE	Impact will be mitigated by stated commitments.
	Guillemot &	Channel Islands	Implementation/	Conservation Onshore - Socio-	setting of baits or traps and monitoring work.  Impacts to community through concern of risks to	n/a	n/a	CoC-ON-32	Minor to Major	High	No LSE	Impact will be mitigated by stated commitments.
SE-PE-CI- G	Razorbill Guillemot & Razorbill	(D4) Channel Islands (D4)	Operation Implementation/ Operation	economic Onshore - Socio- economic	livestock and domestic animals.  Impacts to local commnity and land owners due to potential restrictions to land use and management practises.	n/a	n/a	CoC-ON-32	(site specifc) Minor to Major (site specifc)	High	No LSE	Impact will be mitigated by stated commitments.
	Guillemot & Razorbill	Channel Islands (D4)	Installation/ Construction	Onshore - Hydrology and Flood Risk	Leaching of poison into water dependant habitat and waterbodies in close proxmity to poison bait stations.	Maximum no. of bait stations to be determined	n/a	CoC-ON-41 CoC-ON-12.	Minor	Moderate	No LSE	Impact will be mitigated by stated commitments.

TT-PE-CI- Guillemot &	Channel Islands	Implementation/	Onshore - Traffic and	Increased traffic from vehicle movements during setting of	Duration of predator eradication monitoring to be	n/a	CoC-ON-37	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot
O-01 Razorbill	(D4)	Operation	Transport	poison and from monitoring visits.	determined plus two year period of monitoring.						result in a LSE.
NV-PE-CI- Guillemot &	Channel Islands	Implementation/	Onshore - Noise and	Increase in noise and vibration to human and ecological	Duration of predator eradication monitoring to be	n/a	CoC-ON-41	Negligible	High	No LSE	Noisy activities associated with predator eradication
O-01 Razorbill	(D4)	Operation	Vibration	receptors due to vehicle movements during	determined plus two year period of monitoring.		CoC-ON-37				implementation predominately relate to the use of
				implementation.							vehicles to access sites. Such activity would be of a
											negligble magnitude due to the intermittent nature and
											low number of vehicles required. Magnitude considered
											negligble and therefore cannot result in a LSE.
AQ-PE-CI- Guillemot &	Channel Islands	Implementation/	Onshore - Air Quality	Impacts on human and ecological receptors due to	Duration of predator eradication monitoring to be	n/a	CoC-ON-19	Negligible	Moderate	No LSE	Magnitude considered negligble and will therefore cannot
O-01 Razorbill	(D4)	Operation		increase in air pollution due to vehicle movements.	determined plus two year period of monitoring.						result in a LSE.
SE-PE-RI- Guillemot &	Channel Islands	Implementation/	Onshore - Socio-	Positive impact to local economy from monitoring	Duration of monitoring and no. of FTE workers to be		CoC-ON-41	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot
O-03 Razorbill	(D4)	Operation	economic	requirements during operation.	determined following site selection.						result in a LSE.
SE-PE-CI- Guillemot &	Channel Islands	Implementation/	Onshore - Socio-	Impacts to tourism due to biosecurity measures.	Biosecurity measures are expected to last indefinitely.	Ongoing measures are required to ensure island stays	CoC-ON-41	Minor to Major	High	No LSE	Impact will be mitigated by stated commitments.
O-04 Razorbill	(D4)	Operation	economic			rodent-free.	CoC-ON-38	(site specifc)			
ENC-PE- Guillemot &	Torquay, Devon	Implementation/	Onshore - Ecology	Impacts to non target predator species (i.e. species not	Duration of predator eradication to be determined plus	Two year period of monitoring use for Canna Island	CoC-ON-41	Moderate to	Low to Medium	No LSE	Impact will be mitigated by stated commitments.
TQ-O-01 Razorbill	(D3)	Operation	and Nature	known to be deterimental to guillemots and/or razorbills).	two year period of monitoring.	predator erradication.	CoC-ON-1	Major			
			Conservation	Potential impacts could occur via consumption of dead							
				poisoned targetted predators or direct ingestion of posion.							
ENC-PE- Guillemot &	Torquay, Devon	Implementation/	Onshore - Ecology	Habitat disturbance due to increased human activity due	Duration of predator eradication monitoring to be	Two year period of monitoring use for Canna Island	CoC-ON-41	Moderate	Medium	No LSE	Impact will be mitigated by stated commitments.
TQ-O-02 Razorbill	(D3)	Operation	and Nature	to implementation of eradication programme e.g. regular	determined plus two year period of monitoring.	predator erradication.	CoC-ON-1				
25 D5 T0 10 W			Conservation	setting of baits or traps and monitoring work.			0.001170				
SE-PE-TQ-Guillemot &	Torquay, Devon	Implementation/	Onshore - Socio-	Impacts to community through concern of risks to	n/a	n/a	CoC-ON-32	Minor to Major	High	No LSE	Impact will be mitigated by stated commitments.
O-01 Razorbill	(D3)	Operation	economic	livestock and domestic animals.	-1-	-1-	C-C ON 70	(site specifc)	I II I-	NI- LCE	harmonia and the state of the s
SE-PE-TQ-Guillemot &	Torquay, Devon	Implementation/	Onshore - Socio-	Impacts to local committy and land owners due to	n/a	n/a	CoC-ON-32	Minor to Major	High	No LSE	Impact will be mitigated by stated commitments.
O-02 Razorbill	(D3)	Operation	economic	potential restrictions to land use and management				(site specifc)			
				practises.							
HFR-PE- Guillemot &	Torquay, Devon	Installation/	Onshore - Hydrology	Leaching of poison into water dependant habitat and	Maximum no. of bait stations to be determined	n/a	CoC-ON-41	Minor	Moderate	No LSE	Impact will be mitigated by stated commitments.
TQ-C-01 Razorbill	(D3)	Construction	and Flood Risk	waterbodies in close proxmity to poison bait stations.			CoC-ON-12				
TT DE TOLO III	- D	1 1 1 1	0 1 7 6 1	1 1 66 6 1:1		,	C C O)   77	N. 11 11 1		VI 105	M 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TT-PE-TQ Guillemot &	Torquay, Devon	Implementation/	Onshore - Traffic and	, ,		n/a	CoC-ON-37	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot
O-01 Razorbill	(D3)	Operation	Transport	poison and from monitoring visits.	determined plus two year period of monitoring.						result in a LSE.
NV-PE- Guillemot &	Tarauau Dauan	Inonlary antation /	Onshara Naisa and	Ingrana in paice and libration to human and earle size!	Duration of productor avadication manitoring to be	n/a	CaC ON 41	Nagligible	Lliab	No.1 CE	Naisy activities associated with product as avadication
	Torquay, Devon	Implementation/	Onshore - Noise and	Increase in noise and vibration to human and ecological	Duration of predator eradication monitoring to be	n/a	CoC-ON-41	Negligible	High	No LSE	Noisy activities associated with predator eradication
TQ-O-01 Razorbill	(D3)	Operation	Vibration	receptors due to vehicle movements during	determined plus two year period of monitoring.		CoC-ON-37				implementation predominately relate to the use of
				implementation.							vehicles to access sites. Such activity would be of a
											negligble magnitude due to the intermittent nature and
											low number of vehicles required. Magnitude considered
											negligble and therefore cannot result in a LSE.
AQ-PE- Guillemot &	Torquay, Devon	Implementation/	Onshore - Air Quality	Impacts on human and ecological receptors due to	Duration of predator eradication monitoring to be	n/a	CoC-ON-19	Negligible	Moderate	No LSE	Magnitude considered negligble and will therefore cannot
TQ-O-01 Razorbill	(D3)	Operation	Chanole - All Gudlity	increase in air pollution due to vehicle movements.	1	II/G	COC-OIA-TA	regugible	loderate	INO ESE	result in a LSE.
13-0-01 Ruzuibili	(00)	Operation	1	increase in an pollution due to venicle movements.	determined plus two year period of monitoring.						result in a LoL.
			1						1		
SE-PE-TQ-Guillemot &	Torquay, Devon	Implementation/	Onshore - Socio-	Positive impact to local economy from monitoring	Duration of monitoring and no. of FTE workers to be		CoC-ON-41	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot
O-03 Razorbill	(D3)	Operation	economic	requirements during operation.	determined following site selection.		230 0 12		[··		result in a LSE.
SE-PE-TQ-Guillemot &	Torquay, Devon	Implementation/	Onshore - Socio-	Impacts to tourism due to biosecurity measures.	Biosecurity measures are expected to last indefinitely.	Ongoing measures are required to ensure island stays	CoC-ON-41	Minor to Major	High	No LSE	Impact will be mitigated by stated commitments.
O-04 Razorbill	(D3)	Operation	economic		,	rodent-free.	CoC-ON-38	(site specifc)	1		
					•	•					



#### Onshore Nesting



Impact Background  ID   Compensation   Compensation   Compensation Measure   Topic   Compensation Measure Activity and Impact   Maximum Design Scenario (MDS)   Justification for MDS										_		
ID	Compensation species	Compensation Measure Search Area	Compensation Measure Development Phase	Topic	Compensation Measure Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Commitments	Magnitude	Sensitivity	Likely Significant Effect	Justification
ENC-ON-SC-C- 01	Kittiwake & Gannet	Suffolk Coast (B2)	Installation/ Construction	Onshore - Ecology and Nature Conservation	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)	Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.	MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.	CoC-ON-13 CoC-ON-14	Negligible	Low	No LSE	Impact will be mitigated by stated commitments.
ENC-ON-SC-C- 02	Kittiwake & Gannet	Suffolk Coast (B2)	Installation/ Construction	Onshore - Ecology and Nature Conservation	Disturbance to protected species from vegetation clearance (if required) resulting in habitat loss and fragmentation.	Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.	MDS assumes area of vegeration clearance covers site compound and access track.	CoC-ON-15 CoC-ON-16 CoC-ON-17 CoC-ON-35	Moderate	Medium	No LSE	Impact can be mitigated by stated commitments.
ENC-ON-SC-C- 03	Kittiwake & Gannet	Suffolk Coast (B2)	Installation/ Construction	Onshore - Ecology and Nature Conservation	Distrurbance to protected species from temporary site lighting.	Requirement for nightworking to be determined following site selection.		CoC-ON-18	Minor	High	No LSE	Impact can be mitigated by stated commitments.
ENC-ON-SC-C- 04	Kittiwake & Gannet	Suffolk Coast (B2)	Installation/ Construction	Onshore - Ecology and Nature Conservation	Potential for dust generation and nitrogen deposition at designated sites from HGVs and construction plant.	Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	The MDS represents highest anticpated level of construction round trips that would result in NOx emissions.	CoC-ON-19 CoC-ON-30 CoC-ON-43	Moderate	Medium	No LSE	Impact can be mitigated by stated commitments.
GGC-ON-SC- C-01	Kittiwake & Gannet	Suffolk Coast (B2)	Installation/ Construction	Onshore - Geology and Ground Conditions	Creation of pollution pathways to groundwater due to the installation of necessary foundations (impacts to be confirmed, dependant on detailed design and site location).	The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m. Track length will be dictated by site considerations.  Track length and more detailed design will be considered following site selection.	MDS is based on early design options.	CoC-ON-39 CoC-ON-34 CoC-ON-12 CoC-ON-30	Low	Low	No LSE identified	Temporary loss will be below 20ha.
GGC-ON-CBN: C-01	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction	Onshore - Geology and Ground Conditions	Creation of pollution pathways to groundwater due to the installation of necessary foundations (impacts to be confirmed, dependant on detailed design and site location).	The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m. Track length will be dictated by site considerations.  Track length and more detailed design will be considered following site selection.	MDS is based on early design options.	CoC-ON-39 CoC-ON-34 CoC-ON-12 CoC-ON-30	Minor	Low	No LSE identified	Impact will be mitigated by stated commitments.
HFR-ON-SC-C- 03	Kittiwake & Gannet	Suffolk Coast (B2)	Installation/ Construction	Onshore - Hydrology and Flood Risk	Decreases in water quality in waterbodies in close proxmity to structures due to kittiwake guano.	Maximum no. of besting birds is not known at this stage.		CoC-ON-39 CoC-ON-40 CoC-ON-30 CoC-ON-31	Moderate	Medium	No LSE identified	Impact will be mitigated by stated commitments.
HFR-ON-CBN- C-03	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	installation/ Construction	Onshore - Hydrology and Flood Risk	Decreases in water quality in waterbodies in close proxmity to structures due to kittiwake guano.	Maximum no. of besting birds is not known at this stage.		CoC-ON-39 CoC-ON-40 CoC-ON-30 CoC-ON-31	Minor	Medium	No LSE identified	Impact will be mitigated by stated commitments.
HE-ON-SC-C- O1	Gannet		Installation/ Construction	Onshore - Historic Environment	Direct (physical) impacts on designated and non- designated hertitage assets from establishment of site compound, access road and foundations.	Foundation depth and volume of excavated material to be determined following site selection.  Track length and more detailed design will be considered following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.  A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	foundation depths for built on site or pre-fabricated structures are the same.  MDS assumes access road is temporary and will not be tarmac.	CoC-ON-30 CoC-ON-22	Minor	Medium	No LSE identified	Impact will be mitigated by stated commitments.
HE-ON-CBN-C	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction	Onshore - Historic Environment	Direct (physical) impacts on designated and non- designated hertitage assets from establishment of site compound, access road and foundations.	Foundation depth and volume of excavated material to be determined following site selection.  Track length and more detailed design will be considered following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.  A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	MDS assumes that no dewatering is required and foundation depths for built on site or pre-fabricated structures are the same.  MDS assumes access road is temporary and will not be tarmac.	CoC-ON-30 CoC-ON-22	Minor	Medium	No LSE identified	Impact can be mitigated by stated commitments.

ENC-ON-SC-D	ع ماهد دنخخارا	Suffolk Coast (B2)	Dagammiasianing	Onshore - Ecology	Tamparan imparate to protected an arise and less of	Description and for decomplishing patts by determined	n/a	Commitments to	TDC	TDC	No I SE identified	The need for decommissioning will need to be determined
01	Gannet	Surrotk Codst (B2)	Decommissioning	and Nature	Temporary impacts to protected species and loss of habitat due to operations to remove structure	Requirements for decommissioning yet to be determined.	194	be determined at	TBC	TBC	r to 202 identified	based upon technical considerations and consenting
				Conservation				a later stage.				requirements at a later stage.
HFR-ON-CBN- C-01		Clayton Bay to	Installation/	Onshore - Hydrology and Flood Risk	Temporary disruption of local land drainage during the	A temporary logistics compound may be required and the	MDS is based on early design options.	CoC-ON-2 CoC-ON-3	Negligible	High	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
C-01	Gannet	Newbiggin by the Sea (B1)	Construction	ana Flood Risk	construction of the nesting structures, establishment of site compound and access track.	dimensions of which would be approximately 70x70m.		COC-OIN-3				result in a LSE.
						Duration of logisitics compound requirement to be determined following site selection.						
						The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width						
						for topsoil storage. The maximum depth of the access track would be 1m.						
ENC-ON-SC-D	Kittiwake &	Suffolk Coast (B2)	Decommissioning	Onshore - Ecology	Habitat disturbance/fragmentation from vegetation	Requirements for decommissioning yet to be determined.	n/a	Commitments to	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot
02	Gannet			and Nature	clearance required for construction.	, , , , , , , , , , , , , , , , , , , ,		be determined at				result in a LSE.
				Conservation				a later stage.				
ENC-ON-SC-D	Kittiwake S.	Suffolk Coast (B2)	Decommissioning	Onshore - Ecology	Changes to habitat in area contained by fencing due to	Requirements for decommissioning yet to be determined.	n/a	Commitments to	Minor	Low	No LSE identified	Impact will be mitigated by stated commitments.
03	Gannet	Surrotk Codst (B2)	Decommissioning	and Nature	decreased nutrient concentrations from guano and	Requirements for decommissioning yet to be determined.	170	be determined at	1-111101	Low	r to 202 identified	impact will be milligated by stated commitments.
ENC-ON-SC-D	Kittiwake &	Suffolk Coast (B2)	Decommissioning	Conservation Onshore - Ecology	removal of fencina.  Distrurbance to protected species from vegetation	Requirements for decommissioning yet to be determined.	n/a	a later stage. Commitments to	Minor	Low to Medium	No LSE	Impact can be mitigated by stated commitments.
04	Gannet			and Nature Conservation	clearance (if required) resulting in habitat loss and			be determined at				, ,
ENC-ON-SC-D		Suffolk Coast (B2)	Decommissioning	Onshore - Ecology	Distrurbance to protected species from temporary site	Requirements for decommissioning yet to be determined.	n/a	Commitments to	Neglible	High	No LSE identified	Magnitude considered negligble and will therefore cannot
05	Gannet			and Nature Conservation	lighting.			be determined at a later stage.				result in a LSE.
ENC-ON-SC-D	Kittiwake & Gannet	Suffolk Coast (B2)	Decommissioning	Onshore - Ecology and Nature	Potential for dust generation and nitrogen deposition at designated sites from HGVs and decomissioning plant.	Requirements for decommissioning yet to be determined.	n/a	Commitments to be determined at	Moderate	High	No LSE	Site selection commitment and implemenation of WSI mitigate LSE.
00	Garriet			Conservation	designated sites from Flovs and decomissioning plant.			a later stage.				miligate ESE.
ENC-ON-SC-O		Suffolk Coast (B2)	Implementation/	Onshore - Ecology	Changes to habitat in area contained by fencing due to	Area fenced off around the nesting structure to be	MDS assumes impact on habitats is restructed to the	CoC-ON-35	Negligible	Low to Medium	No LSE identified	Impact will be mitigated by stated commitments.
01	Gannet		Operation	and Nature Conservation	increased nutrient concentrations from guano and installation of fencina.	determined following site selection.	fenced off area	CoC-ON-45				
LV-ON-SC-C- 01	Kittiwake & Gannet	Suffolk Coast (B2)	Installation/ Construction	Onshore - Landscape and Visual	Temporary effects on landscape and amenity due to vegetation clearance during construction phase.	Area required for vegetation clearance and distance of hedgerows to be removed will be determined following	MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site	CoC-ON-21	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
111 011 6011 6			CONSTRUCTION			site selection.	compound, working area and access track.					rosate in a coci
	Kittiwaka S.	Clayton Bayto	Installation/	Onchare - Landecane		Area required for vegetation clearance and distance of	IMDS assumes maximum vegetation clearance and	CoC-ON-21	Negligible	I OW	No I SE	Magnitude considered pegliable and will therefore cannot
LV-ON-CBN-C 01	Kittiwake & Gannet	Clayton Bay to Newbiggin by the	Installation/ Construction	Onshore - Landscape and Visual	Temporary effects on landscape and amenity due to vegetation clearance during construction phase.	Area required for vegetation clearance and distance of hedgerows to be removed will be determined following	MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site	CoC-ON-21	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
01 LV-ON-CBN-C								CoC-ON-21	Negligible	Low	No LSE	
LV-ON-CBN-C		Newbiggin by the				hedgerows to be removed will be determined following	hedgerow removal based on footprint of structure, site	CoC-ON-21	Negligible	Low	No LSE	
01 LV-ON-CBN-C		Newbiggin by the				hedgerows to be removed will be determined following	hedgerow removal based on footprint of structure, site	CoC-ON-21	Negligible	Low	No LSE	
O1		Newbiggin by the				hedgerows to be removed will be determined following	hedgerow removal based on footprint of structure, site	CoC-ON-21	Negligible	Low	No LSE	
ENC-ON-CBN-C	Gannet	Newbiggin by the				hedgerows to be removed will be determined following	hedgerow removal based on footprint of structure, site	CoC-ON-13	Negligible  Negligible	Low	No LSE	
01	Gannet	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the	Construction	and Visual  Onshore - Ecology and Nature	vegetation clearance during construction phase.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site					result in a LSE.
ENC-ON-CBN-C-01	Gannet  Kittiwake & Gannet  Kittiwake &	Newbiggin by the Sea (B1)	Installation/ Construction Installation/	and Visual Onshore - Ecology	vegetation clearance during construction phase.  Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.	CoC-ON-13 CoC-ON-14 CoC-ON-43				result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot
ENC-ON-CBN-C-01	Gannet  Kittiwake & Gannet	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Construction  Installation/ Construction	and Visual  Onshore - Ecology and Nature Conservation	vegetation clearance during construction phase.  Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.	CoC-ON-13 CoC-ON-14	Negligible	High	No LSE	result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN-C-01	Gannet  Kittiwake & Gannet  Kittiwake &	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction Installation/	and Visual  Onshore - Ecology and Nature Conservation	vegetation clearance during construction phase.  Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.	CoC-ON-13 CoC-ON-14 CoC-ON-43	Negligible	High	No LSE	result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AQ-ON-CBN-	Kittiwake & Gannet Kittiwake & Gannet Kittiwake & Kittiwake &	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1) Suffolk Coast (B2)  Clayton Bay to	Installation/ Construction Installation/ Construction Installation/ Installation/	and Visual  Onshore - Ecology and Nature Conservation	Vegetation clearance during construction phase.  Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HCV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on human and ecological receptors caused by	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19	Negligible	High	No LSE	result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN- C-01 AQ-ON-SC-C- 01	Gannet  Kittiwake & Gannet  Kittiwake & Gannet	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1) Suffolk Coast (B2)	Installation/ Construction Installation/ Construction	Onshore - Ecology and Nature Conservation Onshore - Air Quality	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19	Negligible Negligible	High	No LSE No LSE	result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN- C-01 AQ-ON-SC-C- 01 AQ-ON-CBN- C-01	Kittiwake & Gannet Kittiwake & Gannet Kittiwake & Gannet Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction Installation/ Construction Installation/ Construction	Onshore - Ecology and Nature Conservation Onshore - Air Quality	Vegetation clearance during construction phase.  Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19	Negligible Negligible	High	No LSE No LSE No LSE	result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AQ-ON-CBN-C-01	Kittiwake & Gannet  Kittiwake & Gannet  Kittiwake & Gannet  Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the	Installation/ Construction Installation/ Construction Installation/ Construction Installation/	Onshore - Ecology and Nature Conservation Onshore - Air Quality Onshore - Air Quality	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19 CoC-ON-19	Negligible Negligible	High	No LSE No LSE	result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AQ-ON-CBN-C-01	Kittiwake & Gannet Kittiwake & Gannet Kittiwake & Gannet Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction Installation/ Construction Installation/ Construction	Onshore - Ecology and Nature Conservation Onshore - Air Quality	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19	Negligible  Negligible  Negligible	High Low Low	No LSE No LSE No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AQ-ON-CBN-C-01	Kittiwake & Gannet  Kittiwake & Gannet  Kittiwake & Gannet  Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction Installation/ Construction Installation/ Construction Installation/	Onshore - Ecology and Nature Conservation Onshore - Air Quality  Onshore - Air Quality  Onshore - Geology and Ground	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19 CoC-ON-19	Negligible  Negligible  Negligible	High Low Low	No LSE No LSE No LSE	result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AQ-ON-CBN-C-01	Kittiwake & Gannet  Kittiwake & Gannet  Kittiwake & Gannet  Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction Installation/ Construction Installation/ Construction Installation/	Onshore - Ecology and Nature Conservation Onshore - Air Quality  Onshore - Air Quality  Onshore - Geology and Ground	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19 CoC-ON-19	Negligible  Negligible  Negligible	High Low Low	No LSE No LSE No LSE	result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AG-ON-CBN-C-01  GGC-ON-SC-C-03	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction Installation/ Construction Installation/ Construction Installation/ Construction Installation/ Installation/ Installation/	Onshore - Ecology and Nature Conservation Onshore - Air Quality  Onshore - Air Quality  Onshore - Geology and Ground Conditions	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land during installation/construction.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19 CoC-ON-19 CoC-ON-9 CoC-ON-29 CoC-ON-12	Negligible  Negligible  Negligible	High Low Low	No LSE No LSE No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AQ-ON-CBN-C-01  GGC-ON-SC-C-03	Kittiwake & Gannet	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)	Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction	onshore - Ecology and Nature Conservation Onshore - Air Quality  Onshore - Air Quality  Onshore - Geology and Ground Conditions	Vegetation clearance during construction phase.  Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in traffidue to HGV movements associated with delivery of pre-fabricated structures, and	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19 CoC-ON-19 CoC-ON-19	Negligible  Negligible  Negligible	High Low Low	No LSE No LSE No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AG-ON-CBN-C-01  GGC-ON-SC-C-03	Kittiwake & Gannet	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)	Installation/ Construction Installation/ Construction Installation/ Construction Installation/ Construction Installation/ Installation/ Installation/	Onshore - Ecology and Nature Conservation Onshore - Air Quality Onshore - Air Quality Onshore - Geology and Ground Conditions Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in traffidue to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19 CoC-ON-19 CoC-ON-9 CoC-ON-29 CoC-ON-12	Negligible  Negligible  Negligible  Negligible	High Low Low	No LSE No LSE No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AG-ON-CBN-C-01  GGC-ON-SC-C-03	Kittiwake & Gannet	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Suffolk Coast (B2)	Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction	Onshore - Ecology and Nature Conservation Onshore - Air Quality Onshore - Air Quality Onshore - Geology and Ground Conditions Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-43 CoC-ON-19 CoC-ON-19 CoC-ON-9 CoC-ON-29 CoC-ON-12	Negligible  Negligible  Negligible	High Low Low Low	No LSE  No LSE  No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  GGC-ON-SC-C-03  SV-ON-SC-C-01  SV-ON-CBN-C-01	Kittiwake & Gannet	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)	Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction	onshore - Ecology and Nature Conservation Onshore - Air Quality  Onshore - Air Quality  Onshore - Geology and Ground Conditions  Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-29 CoC-ON-12 CoC-ON-23 CoC-ON-24	Negligible  Negligible  Negligible  Negligible  Negligible	High Low Low Low Low	No LSE  No LSE  No LSE  No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  HGV movements will be relatively small with prefabrication minimising deliveries.  HGV movements will be relatively small with prefabrication minimising deliveries.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  GGC-ON-SC-C-03  SV-ON-SC-C-01	Kittiwake & Gannet	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Suffolk Coast (B2)	Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction  Installation/ Construction	onshore - Ecology and Nature Conservation Onshore - Air Quality  Onshore - Air Quality  Onshore - Geology and Ground Conditions  Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in traffidue to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in traffidue to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-12 CoC-ON-23 CoC-ON-23 CoC-ON-24	Negligible  Negligible  Negligible  Negligible	High Low Low Low	No LSE  No LSE  No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  HGV movements will be relatively small with prefabrication minimising deliveries.  HGV movements will be relatively small with prefabrication minimising deliveries.  No. of monitoring visits to be determined following site selection however, monitoring will be infrequent and
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  GGC-ON-SC-C-03  SV-ON-SC-C-01  SV-ON-CBN-C-01	Kittiwake & Gannet	Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction	Onshore - Ecology and Nature Conservation Onshore - Air Quality Onshore - Air Quality Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HCV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in trafficuse to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficuse to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficused structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficused structures or constructed of structures, and construction of access track.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-29 CoC-ON-12 CoC-ON-23 CoC-ON-24	Negligible  Negligible  Negligible  Negligible  Negligible	High Low Low Low Low	No LSE  No LSE  No LSE  No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  HGV movements will be relatively small with prefabrication minimising deliveries.  HGV movements will be relatively small with prefabrication minimising deliveries.
ENC-ON-CBN-C-01  AG-ON-SC-C-01  AG-ON-SC-C-03  SV-ON-SC-C-01  TT-ON-SC-O-01	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Construction  Installation/ Construction	onshore - Ecology and Nature Conservation Onshore - Air Quality Onshore - Air Quality Onshore - Geology and Ground Conditions Onshore - Traffic and Transport Onshore - Traffic and Transport Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in traffic due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in traffic due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in traffic due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in traffic from vehicle movements from monitoring visits.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  The number of monitoring visits is to be determined following site selection. However, it is anticipated to be low, accessing the site on foot where possible.	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-14 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-29 CoC-ON-12 CoC-ON-23 CoC-ON-24 CoC-ON-23 CoC-ON-24	Negligible  Negligible  Negligible  Negligible  Negligible  Negligible	Low Low Low Low	No LSE  No LSE  No LSE  No LSE  No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  HGV movements will be relatively small with prefabrication minimising deliveries.  HGV movements will be relatively small with prefabrication minimising deliveries.  No. of monitoring visits to be determined following site selection however, monitoring will be infrequent and restricted to very small numbers of vehicles.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  GGC-ON-SC-C-03  SV-ON-SC-C-01  SV-ON-CBN-C-01	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction	Onshore - Ecology and Nature Conservation Onshore - Air Quality Onshore - Air Quality Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HCV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in trafficuse to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficuse to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficused structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficused structures or constructed of structures, and construction of access track.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  The number of monitoring visits is to be determined following site selection. However, it is anticipated to be low, accessing the site on foot where possible.	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-29 CoC-ON-12 CoC-ON-23 CoC-ON-24	Negligible  Negligible  Negligible  Negligible  Negligible	High Low Low Low Low	No LSE  No LSE  No LSE  No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  HGV movements will be relatively small with prefabrication minimising deliveries.  HGV movements will be relatively small with prefabrication minimising deliveries.  No. of monitoring visits to be determined following site selection however, monitoring will be infrequent and restricted to very small numbers of vehicles.
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ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AQ-ON-SC-C-01  GGC-ON-SC-C-03  SV-ON-SC-C-01  TT-ON-SC-O-01  TT-ON-CBN-C-01	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Construction  Installation/ Construction  Implementation/ Operation	and Visual  Onshore - Ecology and Nature Conservation Onshore - Air Quality  Onshore - Air Quality  Onshore - Geology and Ground Conditions  Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficule to HGV movements from monitoring visits.  Impacts on the local road network from increases in traffic from vehicle movements from monitoring visits.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  The number of monitoring visits is to be determined following site selection. However, it is anticipated to be low, accessing the site on foot where possible.	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-14 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-29 CoC-ON-12 CoC-ON-23 CoC-ON-24 CoC-ON-23 CoC-ON-24	Negligible  Negligible  Negligible  Negligible  Negligible  Negligible	Low Low Low Low	No LSE  No LSE  No LSE  No LSE  No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  HGV movements will be relatively small with prefabrication minimising deliveries.  HGV movements will be relatively small with prefabrication minimising deliveries.  No. of monitoring visits to be determined following site selection however, monitoring will be infrequent and restricted to very small numbers of vehicles.  No. of monitoring visits to be determined following site selection however, monitoring will be infrequent and restricted to very small numbers of vehicles.  Provision of a nesting tower will not affect socioeconomics in any significant way. To be defined upon
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ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AQ-ON-SC-C-01  SV-ON-SC-C-01  TT-ON-CBN-C-01  TT-ON-CBN-C-01  SVV-ON-SC-O-02  SVV-ON-CBN-C-02	Kittiwake & Gannet  Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction  Implementation/ Operation  Implementation/ Operation  Implementation/ Operation  Implementation/ Implementation/ Operation	and Visual  Onshore - Ecology and Nature Conservation Onshore - Air Quality  Onshore - Air Quality  Onshore - Geology and Ground Conditions  Onshore - Traffic and Transport  Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in traffic due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in traffic due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in traffic from vehicle movements from monitoring visits.  Impacts on the local road network from increases in traffic from vehicle movements from monitoring visits.  Impacts to local communties, coastal and onshore recreational activities due to increased risk of guano dropping.  Impacts to local communties, coastal and onshore	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  The number of monitoring visits is to be determined following site selection. However, it is anticipated to be low, accessing the site on foot where possible.  The number of monitoring visits is to be determined following site selection. However, it is anticipated to be low, accessing the site on foot where possible.  To be defined up receipt of further information to facilitate imapct assessment	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-14 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-29 CoC-ON-23 CoC-ON-24 CoC-ON-24 CoC-ON-37	Negligible  Negligible  Negligible  Negligible  Negligible  Negligible  Negligible	Low Low Low Low Low Low	No LSE  No LSE  No LSE  No LSE  No LSE  No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  HGV movements will be relatively small with prefabrication minimising deliveries.  HGV movements will be relatively small with prefabrication minimising deliveries.  No. of monitoring visits to be determined following site selection however, monitoring will be infrequent and restricted to very small numbers of vehicles.  No. of monitoring visits to be determined following site selection however, monitoring will be infrequent and restricted to very small numbers of vehicles.  Provision of a nesting tower will not affect socioeconomics in any significant way. To be defined upon receipt of further information to facilitate impact assessment.
ENC-ON-CBN-C-01  AQ-ON-SC-C-01  AQ-ON-SC-C-01  GGC-ON-SC-C-01  SV-ON-SC-C-01  TT-ON-SC-O-01  TT-ON-CBN-C-01  SVV-ON-SC-O-01	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbiggin by the Sea (B1)  Suffolk Coast (B2)	Construction  Installation/ Construction  Implementation/ Operation  Implementation/ Operation  Implementation/ Operation	Onshore - Ecology and Nature Conservation Onshore - Air Quality Onshore - Air Quality Onshore - Geology and Ground Conditions Onshore - Traffic and Transport	Habitat disturbance/fragmentation from vegetation clearance required for construction (if required)  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Impacts on human and ecological receptors caused by increase in air pollution due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track  Risk to construction workers from contaminated land during installation/construction.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficule to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.  Impacts on the local road network from increases in trafficulation of access track.  Impacts on the local road network from increases in traffic from vehicle movements from monitoring visits.  Impacts on the local road network from increases in traffic from vehicle movements from monitoring visits.	hedgerows to be removed will be determined following site selection.  Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Foundation depth to be determined following site selection.  The maximum depth of the access track would be 1m.  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  The number of monitoring visits is to be determined following site selection. However, it is anticipated to be low, accessing the site on foot where possible.  The number of monitoring visits is to be determined following site selection. However, it is anticipated to be low, accessing the site on foot where possible.	hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS assumes maximum vegetation clearance and hedgerow removal based on footprint of structure, site compound, working area and access track.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  Note track length and more detailed design will be considered once compensation sites have been selected.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.  MDS is based on early design options.	CoC-ON-13 CoC-ON-14 CoC-ON-14 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-19 CoC-ON-29 CoC-ON-23 CoC-ON-24 CoC-ON-24 CoC-ON-37 CoC-ON-37	Negligible  Negligible  Negligible  Negligible  Negligible  Negligible  Negligible  Negligible	Low Low Low Low Low Low	No LSE  No LSE  No LSE  No LSE  No LSE  No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  Magnitude considered negligble and will therefore cannot result in a LSE.  HGV movements will be relatively small with prefabrication minimising deliveries.  HGV movements will be relatively small with prefabrication minimising deliveries.  No. of monitoring visits to be determined following site selection however, monitoring will be infrequent and restricted to very small numbers of vehicles.  No. of monitoring visits to be determined following site selection however, monitoring will be infrequent and restricted to very small numbers of vehicles.  Provision of a nesting tower will not affect socioeconomics in any significant way. To be defined upon receipt of further information to facilitate impact assessment.

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NV-ON-SC-C- 01	Kittiwake & Gannet	Suffolk Coast (B2)	Installation/ Construction	Onshore - Noise and Vibration	Increase in noise and vibration to human and ecological receptors due to HGV movements associated with delivery of pre-fabricated structures or constructed of structures, and construction of access track.	Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).  Installation of necessary foundations and requirement for piling to be confirmed (dependant on detailed design and		CoC-ON-23 CoC-ON-39	Minor	Low	No LSE identified	Impact will be mitigated by stated commitments.
NV-ON-CBN- C-01	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction	Onshore - Noise and Vibration	Increase in noise and vibration to human and ecological receptors due to HGV movements associated with delivery of pre-fabricated structures or constructed of	site location!  Construction is anticipated to comprise a maximum of 10  AADT HGV movements (subject to detailed design).		CoC-ON-23 CoC-ON-39	Minor	Low	No LSE identified	Impact will be mitigated by stated commitments.
GGC-ON-SC-	Kittiwaka £	Suffolk Coast (B2)	Installation/	Onshore - Geology	structures, and construction of access track.  Increased risk of contamination to soils and groundwater	Installation of necessary foundations and requirement for piling to be confirmed (dependant on detailed design and site Incration) Foundation depth and volume of excavated material to		CoC-ON-5	Negligible	Low to Medium	No LSE identified	Impact will be mitigated by stated commitments.
C-02	Gannet	Surrotk Codst (B2)	Construction	and Ground Conditions	due to excavation of soils during the installation of nesting structures foundations (to be confirmed, dependant on detailed design and site location), excavation of access		foundation depths for built on site or pre-fabricated structures are the same.	CoC-ON-6 CoC-ON-7 CoC-ON-27	rvegugibte	Low to riedidin		impact will be intigated by stated commitments.
					track and establishment of a site compound and temporary site infrastructure, including a site cabin and welfare facilities.	following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.	MDS assumes access road is temporary and will not be tarmac.					
						Track length and more detailed design will be considered following site selection.  A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.						
GGC-ON-CBN	Vitation of C	Clauten Baute	Installation/	Onshara Caalagu		Foundation depth and volume of excavated material to	MDS assumes that no dewatering is required and	CoC-ON-5	Minor	Low	No LSE identified	language will be positive at add by at at add approxitation as to
C-02	Gannet	Clayton Bay to Newbiggin by the	Construction	Onshore - Geology and Ground	Increased risk of contamination to soils and groundwater due to excavation of soils during the installation of nesting		foundation depths for built on site or pre-fabricated	CoC-ON-6	MINO	LOW	NO ESE Identified	Impact will be mitigated by stated commitments.
		Sea (B1)		Conditions	structures foundations (to be confirmed, dependant on detailed design and site location), excavation of access	Track length and more detailed design will be considered	structures are the same.	CoC-ON-7 CoC-ON-27				
					track and establishment of a site compound and temporary site infrastructure, including a site cabin and welfare facilities.	following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.	MDS assumes access road is temporary and will not be tarmac.					
						Track length and more detailed design will be considered following site selection.						
						A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.						
HE-ON-SC-O- 01	Kittiwake & Gannet	Suffolk Coast (B2)	Implementation/ Operation	Onshore - Historic Environment	Indirect (non-physical) impacts resulting in change in the setting of heritage assets, including designated and key	A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	MDS is based on early design options.	CoC-ON-30 CoC-ON-42	Low	Low	No LSE identified	Temporary loss will be below 20ha.
					non-designated assets.	The access track will be 10m wide, comprising 6m wide						
						road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.						
		_				Maximum number of structures: 4 Maximum height of structures: 15m						
HE-ON-CBN- O-01	Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Implementation/ Operation	Onshore - Historic Environment	Indirect (non-physical) impacts resulting in change in the setting of heritage assets, including designated and key non-designated assets.	A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	MDS is based on early design options.	CoC-ON-30 CoC-ON-42	Minor	Low	No LSE identified	Impact will be mitigated by stated commitments.
		3ed (D1)			norruesignated assets.	The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.						
LIED ON CC O		6 ((    6    1/20)				Maximum number of structures: 4 Maximum height of structures: 15m Maximum length of structures: 40m		5 5 20 4			No LSE identified	
HFR-ON-SC-O 01	Gannet	Suffolk Coast (B2)	Implementation/ Operation	Onshore - Hydrology and Flood Risk	Permanent disruption of local land drainage due to construction of the nesting structures.	Maximum number of structures: 4 Maximum height of structures: 15m Maximum length of structures: 40m Maximum width of structures: 10m	MDS is based on early design options.	CoC-ON-4	Moderate	Medium	NO ESE Identified	Impact will be mitigated by stated commitments.
HFR-ON-CBN-	Kittiwake &	Clayton Bay to	Implementation/	Onshore - Hydrology	Permanent disruption of local land drainage due to	Maximum number of structures: 4	MDS is based on early design options.	CoC-ON-4	Minor	Medium	No LSE identified	Impact will be mitigated by stated commitments.
0-01	Gannet		Operation	and Flood Risk	construction of the nesting structures.	Maximum height of structures: 15m Maximum length of structures: 40m Maximum width of structures: 10m						
LUA-ON-SC-O		Suffolk Coast (B2)	Implementation/	Onshore - Land Use	Permanent loss of agricultural land due to fencing off of	Area fenced off around the nesting structure to be	MDS is based on early design options.	CoC-ON-28	Minor	Medium	No LSE identified	Impact will be mitigated by stated commitments.
01	Gannet		Operation	and Agriculture	surrounding area to structure.	determined following site selection.  It is assumed that the temporary loss of agricultural land						
LUA-ON-CBN-		Clayton Bay to	Implementation/	Onshore - Land Use	Permanent loss of agricultural land due to fencing off of	will he less than 20ha Area fenced off around the nesting structure to be	MDS is based on early design options.	CoC-ON-28	Minor	Medium	No LSE identified	Impact can be mitigated by stated commitments.
O-01	Gannet	Newbiggin by the Sea (B1)	Operation	and Agriculture	surrounding area to structure.	determined following site selection.  It is assumed that the temporary loss of agricultural land						
	<u> </u>			Ĺ	]	will be less than 20ha	1			<u> </u>		

Kittiwake & Gannet	Suffolk Coast (B2)	Implementation/ Operation	Onshore - Landscape and Visual	Permanent loss of landscape features and changes to landscape due to installation of structures and fencing.	Maximum number of structures: 4 Maximum height of structures: 15m Maximum length of structures: 40m Maximum width of structures: 10m	MDS is based on early design options.	CoC-ON-39 CoC-ON-30.	Minor	High	No LSE identified	Impact can be mitigated by stated commitments.
Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Implementation/ Operation	Onshore - Landscape and Visual	Permanent loss of landscape features and changes to landscape due to installation of structures and fencing.	Maximum number of structures: 4 Maximum height of structures: 15m Maximum length of structures: 40m Maximum width of structures: 10m	MDS is based on early design options.	CoC-ON-39 CoC-ON-30	Neglible	High	No LSE identified	No. of HCV movements considered negligble and will therefore not lead to a LSE.
Kittiwake & Gannet	Suffolk Coast (B2)	Implementation/ Operation	Onshore - Socio- economic	Positive impact to local economy from monitoring requirements during operation.	The number of monitoring visits is anticipated to be low, accessing the site on foot where possible. Monitoring and maintenance activities could theoretically comprise the following:	MDS is based on early design options.		Minor	High	No LSE identified	Impact can be mitigated by stated commitments.
					*Removal of kittiwake guano from structure and appropriate disposal. *Remedial works to structure (i.e. storm damage to nesting ledges); Ensuring structure is structurally sound; *Changing batteries used for speakers playing kittiwake calls; and						
Mittier of the C	Clauter Danite	l4 -11 -4: /	Ozakana Gaalaani	District and the state of the s		MDC is housed on a pulse design and income	C-C ON 0	NIII -II-I -	1	N. LCE	Managharda and dan dan dishlar and dishlar
Gannet	Newbiggin by the Sea (B1)	Construction	and Ground Conditions	kisk to construction workers from contaminated land during installation/construction.	roundation depth to be determined roulowing site selection.  The maximum depth of the access track would be 1m.	Note track length and more detailed design will be considered once compensation sites have been selected.	CoC-ON-29 CoC-ON-12	inegligible	Low	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction	Onshore - Ecology and Nature Conservation	Distrurbance to protected species from vegetation clearance (if required) resulting in habitat loss and fragmentation.	Area required for vegetation clearance and distance of hedgerows to be removed will be determined following site selection.	MDS assumes area of vegeration clearance covers site compound and access track.	CoC-ON-15 CoC-ON-16 CoC-ON-17	Moderate	High	No LSE	Site selection commitment and implemenation of WSI mitigate LSE.
Kittiwake & Gannet	Clayton Bay to Newbiggin by the	Installation/ Construction	Onshore - Ecology and Nature	Distrurbance to protected species from temporary site lighting.	Requirement for nightworking to be determined following site selection.	3	CoC-ON-35 CoC-ON-18	Minor	High	No LSE identified	Impact can be mitigated by stated commitments.
Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction	Onservation Onshore - Ecology and Nature Conservation	Potential for dust generation and nitrogen deposition at designated sites from HGVs and construction plant.	Construction is anticipated to comprise a maximum of 10 AADT HGV movements (subject to detailed design).	The MDS represents highest anticpated level of construction round trips that would result in NOx emissions.	CoC-ON-19 CoC-ON-30 CoC-ON-43	Minor	Low to Medium	No LSE	Impact can be mitigated by stated commitments.
Gannet	Newbiggin by the	Decommissioning	and Nature	habitat due to operations to remove structure	Requirements for decommissioning yet to be determined.	n/a	be determined at	Minor	Low to Medium	No LSE	The need for decommissioning will need to be determined based upon technical considerations and consenting requirements at a later stage.
Kittiwake & Gannet	Clayton Bay to Newbiggin by the	Decommissioning	Onshore - Ecology and Nature	Habitat disturbance/fragmentation from vegetation clearance required for decommissioning.	Requirements for decommissioning yet to be determined.	n/a	Commitments to be determined at	Negligible	Low	No LSE	Magnitude considered negligble and will therefore cannot result in a LSE.
Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Decommissioning	Onshore - Ecology and Nature Conservation	Changes to habitat in area contained by fencing due to decreased nutrient concentrations from guano and removal of fencing.	Requirements for decommissioning yet to be determined.	n/a	Commitments to be determined at a later stage.	Minor	Low	No LSE identified	Impact will be mitigated by stated commitments.
Kittiwake & Gannet	Suffolk Coast (B2)	Installation/ Construction	Onshore - Hydrology and Flood Risk	Temporary disruption of local land drainage during the construction of the nesting structures, establishment of	A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	MDS is based on early design options.	CoC-ON-2 CoC-ON-3	Negligible	Low	No LSE	Impact will be mitigated by stated commitments.
				site compound and access track.	Duration of logisitics compound requirement to be determined following site selection.						
					The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.						
Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Decommissioning	Onshore - Ecology and Nature Conservation	Distrurbance to protected species from vegetation clearance (if required) resulting in habitat loss and fragmentation.	Requirements for decommissioning yet to be determined.	n/a	Commitments to be determined at a later stage.	Minor	High	No LSE	Site selection commitment and implemenation of screening planting scheme mitigate LSE.
Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Decommissioning	Onshore - Ecology and Nature Conservation	Disturbance to protected species from temporary site lighting.	Requirements for decommissioning yet to be determined.	n/a	Commitments to be determined at a later stage.	Negligible			Magnitude considered negligble and will therefore cannot result in a LSE.
Kittiwake & Gannet	Clayton Bay to Newbiggin by the Sea (B1)	Implementation/ Operation	Onshore - Socio- economic	Positive impact to local economy from monitoring requirements during operation.				Negligible	Low to Medium	No LSE identified	Magnitude considered negligble and will therefore cannot result in a LSE.
Kittiwake &	Clayton Bay to	Decommissioning	Onshore - Ecology	Potential for dust generation and nitrogen deposition at	•Removal of kittiwake guano from structure and appropriate disposal Requirements for decommissioning yet to be determined.	n/a	Commitments to	Minor	High	No LSE	Site selection commitment and implemenation of
Gannet	Newbiggin by the Sea (B1)		and Nature Conservation	designated sites from HGVs and decomissioning plant.		MDS assumes impact on habitats is restructed to the	be determined at a later stage. CoC-ON-35	Minor	Low	No LSE identified	screening planting scheme mitigate LSE.  Impact will be mitigated by stated commitments.
Kittiwake & Gannet	Clayton Bay to	Implementation/ Operation	Onshore - Ecology and Nature	Changes to habitat in area contained by fencing due to increased nutrient concentrations from auano and	Area fenced off around the nesting structure to be determined following site selection.				2011		impact with be minigated by stated communicates.
Kittiwake & Gannet Kittiwake & Gannet		Implementation/ Operation Installation/ Construction	Onshore - Ecology and Nature Conservation Onshore - Hydrology and Flood Risk	Changes to habitat in area contained by fencing due to increased nutrient concentrations from guano and installation of fencina. Temporary increased flood risk due to establishment of site compound and access road	determined following site selection.	MDS assumes that no permanent areas of hardstanding are required.	CoC-ON-39 CoC-ON-10	Negligible	Low to Medium	No LSE identified	It is assumed that the nesting structure will be located outside of flood zones 2 or 3. However, if this assumption
	Kittiwake & Gannet  Kittiwake & Gannet	Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)	Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)	Clayton Bay to Newbiggin by the Sea (B1)  Kittiwake & Clayton Bay to Newbiggin by the Sea (B1)  Clayton Bay to Newbigan to Newbiggin by the Sea (B1)	Connet  Connet	Contract  Contra	Francisco Control Cont	Security of the control of the contr	Control of the Contro	Company   Comp	According to the control of the cont

HFR-ON-CBN- Kittiwakk C-02 Gannet	e & Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction	Onshore - Hydrology and Flood Risk	Temporary increased flood risk due to establishment of site compound and access road	A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.  The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.	e MDS assumes that no permanent areas of hardstanding are required.	CoC-ON-39 CoC-ON-10 CoC-ON-11 CoC-ON-04	Negligible	Low to Medium	No LSE identified	It is assumed that the nesting structure will be located outside of flood zones 2 or 3. However, if this assumption is incorrect, further assessment will take place following further progression of the design and site selection process.
LUA-ON-SC-C- Kittiwaki 01 Gannet	e & Suffolk Coast (B2)	installation/ Construction	Onshore - Land Use and Agriculture	Temporary loss of agricultural land during construction fo construction of temporary access track and temporary logistics compound.	Construction to decommissioning of access track will be considered following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m. It is assumed that the temporary loss of agricultural land will be less than 20ha.  A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	Note track length and more detailed design will be considered once compensation sites have been selected.	CoC-ON-39	Negligible	Medium	No LSE	The loss of agricultural land will be minor (if any) due to the small size of the land required for construction or operation of the structure.
LUA-ON-CBN- Kittiwak C-01 Gannet	e & Clayton Bay to Newbiggin by the Sea (B1)	Installation/ Construction	Onshore - Land Use and Agriculture	Temporary loss of agricultural land during construction fo construction of temporary access track and temporary logistics compound.	Construction to decommissioning of access track will be considered following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m. It is assumed that the temporary loss of agricultural land will be less than 20ha.  A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	Note track length and more detailed design will be considered once compensation sites have been selected.	CoC-ON-39	Negligible	Medium	No LSE	The loss of agricultural land will be minor (if any) due to the small size of the land required for construction or operation of the structure.
ENC-ON-CBN-Kittiwake C-05 Gannet	e & Clayton Bay to Newbiggin by the Sea (B1)	installation/ Construction	Onshore - Ecology and Nature Conservation	Potential for habitat loss and/or destruction due to construction access and compound	Construction to decommissioning of access track will be considered following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.  A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	Note track length and more detailed design will be considered once compensation sites have been selected.	CoC-ON-7 CoC-ON-30 CoC-ON-44 CoC-ON-45	Moderate	High	No LSE	Impact can be mitigated by stated commitments. Designated sites and priority habitat will be avoided where possible.
ENC-ON-CBN- Kittiwak D-07 Gannet	e & Clayton Bay to Newbiggin by the Sea (B1)	Decommissioning	Onshore - Ecology and Nature Conservation	Potential for habitat loss and/or destruction due to decommissioning activities	Construction to decommissioning of access track will be considered following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.  A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	Note track length and more detailed design will be considered once compensation sites have been selected.	CoC-ON-7 CoC-ON-30 CoC-ON-44 CoC-ON-45	Moderate	High	No LSE	Impact can be mitigated by stated commitments. Designated sites and priority habitat will be avoided where possible.
ENC-ON-SC-C- Kittiwak 05 Gannet	e & Suffolk Coast (B2)	Installation/ Construction	Onshore - Ecology and Nature Conservation	Potential for habitat loss and/or destruction due to construction access and compound	Construction to decommissioning of access track will be considered following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.  A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	Note track length and more detailed design will be considered once compensation sites have been selected.	CoC-ON-7 CoC-ON-30 CoC-ON-44 CoC-ON-45	Moderate	High	No LSE	Impact can be mitigated by stated commitments. Designated sites and priority habitat will be avoided where possible.
ENC-ON-SC-D 07 Gannet	e & Suffolk Coast (B2)	Decommissioning	Onshore - Ecology and Nature Conservation	Potential for habitat loss and/or destruction due to decommissioning activities	Construction to decommissioning of access track will be considered following site selection. The access track will be 10m wide, comprising 6m wide road (with 7m wide passing places) and additional width for topsoil storage. The maximum depth of the access track would be 1m.  A temporary logistics compound may be required and the dimensions of which would be approximately 70x70m.	Note track length and more detailed design will be considered once compensation sites have been selected.	CoC-ON-7 CoC-ON-30 CoC-ON-44 CoC-ON-45	Moderate	High	No LSE	Impact can be mitigated by stated commitments. Designated sites and priority habitat will be avoided where possible.



#### Bycatch



ID	Compensation species	Compensation Measure Search Area	Compensation Measure Development Phase	Topic	Compensation Measure Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Commitments	Magnitude	Sensitivity	Likely Significant Effect	Justification
BC-T-C-1	Guillemot, Razorbill & Gannet	Thames Estuary (C1)	Installation/ Construction	All Offshore Topics	Existing commercial fisheries activity in the area represents the baseline against which any additional impacts as a result of the bycatch measures are considered.  No additional impacts are predicted as a result of the implementation of the compensation bycatch measures.	N/A	NA	N/A	N/A	N/A	N/A	N/A
BC-T-O-2	Guillemot, Razorbill & Gannet	Thames Estuary (C1)	Implementation/ Operation & Maintenance	All Offshore Topics	Existing commercial fisheries activity in the area represents the baseline against which any additional impacts as a result of the bycatch measures are considered.  No additional impacts are predicted as a result of the implementation of the compensation bycatch measures.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BC-Sc-C-1	Guillemot, Razorbill & Gannet	South coast of England: Broadstairs to Plymouth (C2)		All Offshore Topics	Existing commercial fisheries activity in the area represents the baseline against which any additional impacts as a result of the bycatch measures are considered.  No additional impacts are predicted as a result of the implementation of the compensation bycatch measures.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BC-Sc-O-2	Guillemot, Razorbill & Gannet	South coast of England: Broadstairs to Plymouth (C2)	Implementation/ Operation & Maintenance	All Offshore Topics	Existing commercial fisheries activity in the area represents the baseline against which any additional impacts as a result of the bycatch measures are considered.  No additional impacts are predicted as a result of the implementation of the compensation bycatch measures.	N/A	N/A	N/A	N/A	N/A	N/A	N/A

#### Fish Habitat Enhancement (Seagrass)



					Impact Background							
ID	Compensation species	Compensation Measure Search Area	Compensation Measure Development Phase	Topic t	Compensation Measure Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Commitments	Magnitude	Sensitivity	Likely Significant Effect	Justification
MP-SG-RI-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Marine Processes	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no 15F.
BIE-SG-RI-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Temporary habitat disturbance from planting activities and seabed sampling.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	
BIE-SG-RI-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no LSE. Additionally, the implementation of CoC-OFF-8 will ensure no LSE arises.
BIE-SG-RI-O-03	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Implementation/ Operation & Maintenance	Offshore - Benthic & Intertidal Ecology	Change of habitat type following introduction or reinstatement of seagrass.	Creation of seagrass habitat in an area not previously supporting seagrass.	Creation of seagrass habitat will change the habitat type in the area and result in loss of another habitat type.	CoC-OFF-8	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no LSE is predicted.
FSE-SG-RI-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
FSE-SG-RI-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Fish & Shellfish Ecology	Temporary habitat disturbance from planting activities and seabed sampling.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a	Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
MM-SG-RI-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Marine Mammals	Increased vessel traffic during planting activities may result in an increase in disturbance to or collision risk with marine mammals.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Implementation/ Operation & Maintenance	Offshore - Marine Mammals	Increased vessel traffic during monitoring activities may result in an increase in disturbance to or collision risk with marine mammals.		Maximum number of vessel movements associated with the monitoring create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is
	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Offshore & Intertidal Ornithology	The impact of planting activities such as increased vessel activity or planting in intertidal area on foot may result in direct disturbance or displacement from important foraging and habitat areas of birds.	Up to two vessels engaged in fish habitat enhancement or individuals on foot planting in intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the works create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Implementation/ Operation & Maintenance	Offshore - Offshore & Intertidal Ornithology	The impact of monitoring activities such as increased vessel activity or monitoring of the intertidal area on foot may result in disturbance or displacement from	Monitoring undertaken from a vessel or on foot in the intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the monitoring create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
CF-SG-RI-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Commercial Fisheries	Increased vessel traffic associated with planting may disrupt fishing activity.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the
CF-SG-RI-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Implementation/ Operation & Maintenance	Offshore - Commercial Fisheries	Increased vessel traffic related to monitoring or fisheries exclusion zones around the planted areas may disrupt fishing activity.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the grea, no LSE is predicted.
SN-SG-RI-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Shipping & Navigation	Vessels deviated in relation to planting works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
SN-SG-RI-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Implementation/ Operation & Maintenance	Offshore - Shipping & Navigation	Vessels deviated in relation to monitoring works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
MA-SG-RI-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Marine Archaeology	Disturbance of sediments from planting activities and seabed sampling resulting in a potential effect on marine archaeology receptors.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of sediment disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-2	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-2 and the impact being highly limited in extent and duration, no LSE is predicted.
IOU-SG-RI-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Installation/ Construction	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
iou-sg-ri-c-02	Kittiwake, Gannet, Guillemot, Razorbill	Rathlin Island (E1)	Implementation/ Operation & Maintenance	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	
MP-SG-IS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Marine Processes	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no LSF.
BIE-SG-IS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Temporary habitat disturbance from planting activities and seabed sampling.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no LSE is predicted.

BIE-SG-IS-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no LSE. Additionally, the implementation of Col-OFE-B will ensure no LSE grises.
BIE-SG-IS-O-03	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Implementation/ Operation & Maintenance	Offshore - Benthic & Intertidal Ecology	Change of habitat type following introduction or reinstatement of seagrass.	Creation of seagrass habitat in an area not previously supporting seagrass.	Creation of seagrass habitat will change the habitat type in the area and result in loss of another habitat	CoC-OFF-8	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no LSE is predicted.
FSE-SG-IS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Fish & Shellfish Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
FSE-SG-IS-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Fish & Shellfish Ecology		from a vessel.  Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Detailing by foot in the interricals drea.  Replanting methods in the interrical will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertical area.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
MM-SG-IS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Marine Mammals	increased vessel traffic during planting activities may result in an increase in disturbance to or collision risk with marine mammals.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
MM-SG-IS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Implementation/ Operation & Maintenance	Offshore - Marine Mammals	increased vessel traffic during monitoring activities may result in an increase in disturbance to or collision risk with marine mammals.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the monitoring create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
ORN-SG-IS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Offshore & Intertidal Ornithology	The impact of planting activities such as increased vessel activity or planting in intertidal area on foot may result in direct disturbance or displacement from important foraging and habitat areas of birds.	Up to two vessels engaged in fish habitat enhancement or individuals on foot planting in intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the works create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified	predicted.  Due to the impact being highly limited in extent and duration, no LSE is predicted.
ORN-SG-IS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Implementation/ Operation & Maintenance	Offshore - Offshore & Intertidal Ornithology	The impact of monitoring activities such as increased vessel activity or monitoring of the intertidal area on foot may result in disturbance or displacement from important foraging and habitat greas of birds.	Monitoring undertaken from a vessel or on foot in the intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the monitoring create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
CF-SG-IS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Commercial Fisheries	Increased vessel traffic associated with planting may disrupt fishing activity.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area. no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Implementation/ Operation & Maintenance	Offshore - Commercial Fisheries	Increased vessel traffic related to monitoring or fisheries exclusion zones around the planted areas may disrupt fishing activity.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	area associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area. no LSE is predicted.
SN-SG-IS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Shipping & Navigation	Vessels deviated in relation to planting works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
SN-SG-IS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Implementation/ Operation & Maintenance	Offshore - Shipping & Navigation	Vessels deviated in relation to monitoring works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
MA-SG-IS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Marine Archaeology	Disturbance of sediments from planting activities and seabed sampling resulting in a potential effect on marine archaeology receptors.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of sediment disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-2	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-2 and the impact being highly limited in extent and duration, no LSE is predicted.
IOU-SG-IS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Installation/ Construction	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
IOU-SG-IS-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Isles of Scilly (E2)	Implementation/ Operation & Maintenance	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.		Maximum number of vessel movements and buoyed area associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Marine Processes	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified	amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no 18
BIE-SG-CS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Temporary habitat disturbance from planting activities and seabed sampling.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no LSE is predicted.
BIE-SG-CS-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no LSE. Additionally, the implementation of CO.OPERA will ensure no 15 grises.
BIE-SG-CS-O-03	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Implementation/ Operation &	Offshore - Benthic & Intertidal Ecology	Change of habitat type following introduction or reinstatement of seagrass.	Creation of seagrass habitat in an area not previously supporting seagrass.	Creation of seagrass habitat will change the habitat type in the area and result in loss of another habitat	CoC-OFF-8	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no
FSE-SG-CS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Maintenance Installation/ Construction	Offshore - Fish & Shellfish Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to	Divers using hand tools for replanting and/or hessian sacks of seeds deployed	type. Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than		Negligible	N/A	No LSE identified	LSE is predicted. Due to the impact being highly limited in extent and duration, no LSE is predicted.
FSE-SG-CS-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Fish & Shellfish Ecology	planting activities and seabed sampling.  Temporary habitat disturbance from planting activities and seabed sampling.	from a vessel.  Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the	olanting by foot in the intertidal area. Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
MM-SG-CS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Marine Mammals	Increased vessel traffic during planting activities may result in an increase in disturbance to or collision risk with marine mammals.	intertidal on foot. Up to two vessels engaged in fish habitat enhancement.	•	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is
MM-SG-CS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Implementation/ Operation & Maintenance	Offshore - Marine Mammals	Increased vessel traffic during monitoring activities may result in an increase in disturbance to or collision risk with marine mammals.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the monitoring create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	oredicted. As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.

	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Offshore & Intertidal Ornithology	The impact of planting activities such as increased vessel activity or planting in intertidal area on foot may result in direct disturbance or displacement from important foraging and habitat areas of birds.	Up to two vessels engaged in fish habitat enhancement or individuals on foot planting in intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the works create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified  Due to the impact being highly limited in extent a duration, no LSE is predicted.
ORN-SG-CS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Implementation/ Operation & Maintenance	Offshore - Offshore & Intertidal Ornithology	The impact of monitoring activities such as increased vessel activity or monitoring of the intertidal area on foot may result in disturbance or displacement from important forgains and habitat areas of birds.	Monitoring undertaken from a vessel or on foot in the intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the monitoring create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified  Due to the impact being highly limited in extent a duration, no LSE is predicted.
CF-SG-CS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Commercial Fisheries	Increased vessel traffic associated with planting may disrupt fishing activity.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-3 a CoC-OFF-11, the impact being highly limited in ex and duration, with the small number of vessels re- for the works in the context of the vessel activity area, no LSF is predicted.
CF-SG-CS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Implementation/ Operation & Maintenance	Offshore - Commercial Fisheries	Increased vessel traffic related to monitoring or fisheries exclusion zones around the planted areas may disrupt fishing activity.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-3 a CoC-OFF-11, the impact being highly limited in ex and duration, with the small number of vessels re for the works in the context of the vessel activity area, no LSF is predicted.
SN-SG-CS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Shipping & Navigation	Vessels deviated in relation to planting works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-3, to impact being highly limited in extent and duration the small number of vessels required for the work context of the vessel activity in the area, no LSE is
SN-SG-CS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Implementation/ Operation & Maintenance	Offshore - Shipping & Navigation	Vessels deviated in relation to monitoring works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	nedicted.  As a result of the implementation of CoC-OFF-3, impact being highly limited in extent and duration the small number of vessels required for the work context of the vessel activity in the area, no LSE is
MA-SG-CS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Marine Archaeology	Disturbance of sediments from planting activities and seabed sampling resulting in a potential effect on marine archaeology receptors.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of sediment disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-2	Negligible	N/A	nredicted  No LSE identified  As a result of the implementation of CoC-OFF-2 a impact being highly limited in extent and duration LSE is predicted.
IOU-SG-CS-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Installation/ Construction	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-3, timpact being highly limited in extent and duration the small number of vessels required for the work context of the vessel activity in the area, no LSE is predicted.
IOU-SG-CS-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Celtic Sea, Wales (E3)	Implementation/ Operation & Maintenance	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	As a result of the implementation of CoC-OFF-3, timpact being highly limited in extent and duration the small number of vessels required for the work context of the vessel activity in the area, no LSE is predicted.
MP-SG-PS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Offshore - Marine Processes	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	The works will result in the disturbance of small amounts of sediment, with the sediment being rel into the water column and subsequently disperse the tide. Given the small amounts, the natural background levels of suspended sediment in the learts of the water column in the UK waters, and the short term and intermittent releases of sediment,
BIE-SG-PS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Temporary habitat disturbance from planting activities and seabed sampling.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-8 a impact being highly limited in extent and duration LSE is predicted.
BIE-SG-PS-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.	CoC-OFF-8	Negligible	N/A	The works will result in the disturbance of small amounts of sediment, with the sediment being rel into the water column and subsequently disperse the tide. Given the small amounts, the natural background levels of suspended sediment in the L parts of the water column in the UK waters, and t short term and intermittent releases of sediment, be concluded that there will no LSE. Additionally, implementation of CoC-OFE awill possure pay LSE.
	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Implementation/ Operation & Maintenance	Offshore - Benthic & Intertidal Ecology	Change of habitat type following introduction or reinstatement of seagrass.	Creation of seagrass habitat in an area not previously supporting seagrass.	Creation of seagrass habitat will change the habitat type in the area and result in loss of another habitat type.	CoC-OFF-8	Negligible	N/A	No LSE identified As a result of the implementation of CoC-OFF-8 a impact being highly limited in extent and duration LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Ecology	h Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified  Due to the impact being highly limited in extent a duration, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Ecology	h Temporary habitat disturbance from planting activities and seabed sampling.	hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.		Negligible	N/A	No LSE identified Due to the impact being highly limited in extent a duration, no LSE is predicted.
MM-SG-PS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Offshore - Marine Mammals	Increased vessel traffic during planting activities may result in an increase in disturbance to or collision risk with marine mammals.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified As a result of the implementation of CoC-OFF-4 a impact being highly limited in extent and duration the small number of vessels required for the work context of the vessel activity in the area, no LSE is predicted.
MM-SG-PS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Implementation/ Operation & Maintenance	Offshore - Marine Mammals	Increased vessel traffic during monitoring activities may result in an increase in disturbance to or collision risk with marine mammals.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the monitoring create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-4 a impact being highly limited in extent and duration the small number of vessels required for the work context of the vessel activity in the area, no LSE is predicted.
ORN-SG-PS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Offshore - Offshore & Intertidal Ornithology	The impact of planting activities such as increased vessel activity or planting in intertidal area on foot may result in direct disturbance or displacement from important forgains and habitat areas of birds.	Up to two vessels engaged in fish habitat enhancement or individuals on foot planting in intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the works create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified  Due to the impact being highly limited in extent a duration, no LSE is predicted.
ORN-SG-PS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Implementation/ Operation & Maintenance	Offshore - Offshore & Intertidal Ornithology	The impact of monitoring activities such as increased vessel activity or monitoring of the intertidal area on foot may result in disturbance or displacement from important forgains and habitat areas of birds.	Monitoring undertaken from a vessel or on foot in the intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the monitoring create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified  Due to the impact being highly limited in extent a duration, no LSE is predicted.
CF-SG-PS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Offshore - Commercial Fisheries	Increased vessel traffic associated with planting may disrupt fishing activity.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-3 at CoC-OFF-11, the impact being highly limited in extended and duration, with the small number of vessels refor the works in the context of the vessel activity area, no LSE is predicted.
CF-SG-PS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Implementation/ Operation & Maintenance	Offshore - Commercial Fisheries	Increased vessel traffic related to monitoring or fisheries exclusion zones around the planted areas may disrupt fishing activity.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified As a result of the implementation of CoC-OFF-3 a CoC-OFF-11, the impact being highly limited in ex and duration, with the small number of vessels refor the works in the context of the vessel activity area, no LSF is predicted.
SN-SG-PS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Offshore - Shipping & Navigation	Vessels deviated in relation to planting works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-3, timpact being highly limited in extent and duration the small number of vessels required for the work context of the vessel activity in the area, no LSE is predicted.
SN-SG-PS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Implementation/ Operation & Maintenance	Offshore - Shipping & Navigation	Vessels deviated in relation to monitoring works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Monitoring undertaken from a vessel	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-3, impact being highly limited in extent and duration the small number of vessels required for the work context of the vessel activity in the area, no LSE is predicted.
MA-SG-PS-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Offshore - Marine Archaeology	Disturbance of sediments from planting activities and seabed sampling resulting in a potential effect on marine archaeology receptors.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of sediment disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-2	Negligible	N/A	No LSE identified  As a result of the implementation of CoC-OFF-2 a impact being highly limited in extent and duration LSE is predicted.

IOU-SG-PS-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Installation/ Construction	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
IOU-SG-PS-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Plymouth Sound to Helford River (E4)	Implementation/ Operation & Maintenance	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
MP-SG-So-C-01	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Installation/ Construction	Offshore - Marine Processes	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no 15F.
BIE-SG-So-C-01	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Temporary habitat disturbance from planting activities and seabed sampling.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no LSE is predicted.
BIE-SG-So-C-02	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no LSE. Additionally, the implementation of CG-OPE-R will payure no LSE prises.
BIE-SG-So-O-03	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Implementation/ Operation &	Offshore - Benthic & Intertidal Ecology	Change of habitat type following introduction or reinstatement of seagrass.	Creation of seagrass habitat in an area not previously supporting seagrass.	Creation of seagrass habitat will change the habitat type in the area and result in loss of another habitat	CoC-OFF-8	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no
FSE-SG-So-C-01	Kittiwake, Gannet,	The Solent (E5)	Maintenance Installation/		Increases in suspended sediment concentrations and	Divers using hand tools for replanting	type. Restoration by divers or from a vessel results in the		Negligible	N/A	No LSE identified	LSE is predicted. Due to the impact being highly limited in extent and
ESE-SC-SA-C 02	Guillemot, Razorbill Kittiwake, Gannet,	The Solent (E5)	Construction  Installation/	Ecology Offshore - Fish & Shellfish	deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.  Temporary habitat disturbance from planting activities	and/or hessian sacks of seeds deployed from a vessel.  Divers using hand tools for replanting;	resuspension of larger volumes of sediment than planting by foot in the intertidal area.  Replanting methods in the intertidal will result in similar		Negligible	N/A	No LSE identified	duration, no LSE is predicted.  Due to the impact being highly limited in extent and
	Guillemot, Razorbill		Construction	Ecology	and seabed sampling.	hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.					duration, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Installation/ Construction	Offshore - Marine Mammals	Increased vessel traffic during planting activities may result in an increase in disturbance to or collision risk with marine mammals.	Up to two vessels engaged in fish habitat enhancement.	the works create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Implementation/ Operation & Maintenance	Offshore - Marine Mammals	Increased vessel traffic during monitoring activities may result in an increase in disturbance to or collision risk with marine mammals.		Maximum number of vessel movements associated with the monitoring create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Installation/ Construction	Offshore - Offshore & Intertidal Ornithology	The impact of planting activities such as increased vessel activity or planting in intertidal area on foot may result in direct disturbance or displacement from important foraging and habitat areas of birds.	planting in intertidal area.	the beach associated with the works create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Implementation/ Operation & Maintenance	Offshore - Offshore & Intertidal Ornithology	The impact of monitoring activities such as increased vessel activity or monitoring of the intertidal area on foot may result in disturbance or displacement from important foraging and habitat greas of birds.	Monitoring undertaken from a vessel or on foot in the intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the monitoring create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
CF-SG-So-C-01	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Installation/ Construction	Offshore - Commercial Fisheries	Increased vessel traffic associated with planting may disrupt fishing activity.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no I SF is predicted.
CF-SG-So-O-02	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Implementation/ Operation & Maintenance	Offshore - Commercial Fisheries	Increased vessel traffic related to monitoring or fisheries exclusion zones around the planted areas may disrupt fishing activity.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.		CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no I SF is predicted.
SN-SG-So-C-01	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Installation/ Construction	Offshore - Shipping & Navigation	Vessels deviated in relation to planting works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is
	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Implementation/ Operation &	Offshore - Shipping & Navigation	Vessels deviated in relation to monitoring works leading to increased encounters and therefore may also lead to	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified	predicted. As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with
	·	T. C. L. 175	Maintenance		increased vessel to vessel collision risk for all vessels in all weather conditions.							the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
MA-5G-So-C-01	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Installation/ Construction	Offshore - Marine Archaeology	Disturbance of sediments from planting activities and seabed sampling resulting in a potential effect on marine archaeology receptors.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of sediment disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-2	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-2 and the impact being highly limited in extent and duration, no LSE is predicted.
IOU-SG-So-O-02	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Installation/ Construction	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
IOU-SG-So-C-02	Kittiwake, Gannet, Guillemot, Razorbill	The Solent (E5)	Implementation/ Operation & Maintenance	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Installation/ Construction	Offshore - Marine Processes	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no! SE
BIE-SG-Li-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Temporary habitat disturbance from planting activities and seabed sampling.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	he concluded that there will no. LSE As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no LSE is predicted.
BIE-SG-Li-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Intertidal on foot. Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no LSE. Additionally, the implementation of COLOFER will paying out SE grises.

	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Implementation/ Operation &	Offshore - Benthic & Intertidal Ecology	Change of habitat type following introduction or reinstatement of seagrass.	Creation of seagrass habitat in an area not previously supporting seagrass.	Creation of seagrass habitat will change the habitat type in the area and result in loss of another habitat	CoC-OFF-8	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no
FSE-SG-Li-C-01	Kittiwake, Gannet,	Essex Estuaries (E6)	Maintenance Installation/	Offshore - Fish & Shellfish	Increases in suspended sediment concentrations and	Divers using hand tools for replanting	Restoration by divers or from a vessel results in the	<del> </del>	Negligible	N/A	No LSE identified	LSE is predicted.  Due to the impact being highly limited in extent and
	Guillemot, Razorbill		Construction	Ecology	deposition of disturbed sediments on the seabed due to	and/or hessian sacks of seeds deployed	resuspension of larger volumes of sediment than					duration, no LSE is predicted.
FSE-SG-Li-C-02	Kittiwake, Gannet,	Essex Estuaries (E6)	Installation/	Offshore - Fish & Shellfish	planting activities and seabed sampling.  Temporary habitat disturbance from planting activities	from a vessel.  Divers using hand tools for replanting;	planting by foot in the intertidal area.  Replanting methods in the intertidal will result in similar		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and
	Guillemot, Razorbill		Construction	Ecology	and seabed sampling.	hessian sacks of seeds deployed from a vessel; or hand tool planting in the	levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.		199			duration, no LSE is predicted.
MAY COLL COLL	With the Court	F	la et all ation /	Office and Married		intertidal on foot.		C.C.OFF 4	NIIIII -	N1/A	No LSE identified	As a second to fish a single constant in a fig. C OFF 4 and the
	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Installation/ Construction	Offshore - Marine Mammals	Increased vessel traffic during planting activities may result in an increase in disturbance to or collision risk with marine mammals.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	NO ESE Identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Implementation/ Operation & Maintenance	Offshore - Marine Mammals	Increased vessel traffic during monitoring activities may result in an increase in disturbance to or collision risk with marine mammals.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the monitoring create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
ORN-SG-Li-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Installation/ Construction	Offshore - Offshore & Intertidal Ornithology	The impact of planting activities such as increased vessel activity or planting in intertidal area on foot may result in direct disturbance or displacement from important foraging and habitat areas of birds.	Up to two vessels engaged in fish habitat enhancement or individuals on foot planting in intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the works create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
	Guillemot, Razorbill	Essex Estuaries (E6)	Implementation/ Operation & Maintenance	Offshore - Offshore & Intertidal Ornithology	The impact of monitoring activities such as increased vessel activity or monitoring of the intertidal area on foot may result in disturbance or displacement from important foragina and habitat areas of birds.	Monitoring undertaken from a vessel or on foot in the intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the monitoring create the greatest disturbance and displacement.	1	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Installation/ Construction	Offshore - Commercial Fisheries	Increased vessel traffic associated with planting may disrupt fishing activity.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSF is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Implementation/ Operation & Maintenance	Offshore - Commercial Fisheries	Increased vessel traffic related to monitoring or fisheries exclusion zones around the planted areas may disrupt fishing activity.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest disruption to fishing activity.	CoC-OFF-3 CoC-OFF-11	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSF is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Installation/ Construction	Offshore - Shipping & Navigation	Vessels deviated in relation to planting works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Implementation/ Operation & Maintenance	Offshore - Shipping & Navigation	Vessels deviated in relation to monitoring works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Installation/ Construction	Offshore - Marine Archaeology	Disturbance of sediments from planting activities and seabed sampling resulting in a potential effect on marine archaeology receptors.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of sediment disturbance, with on foot planting representing the MDS in the intertidal area.		Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-2 and the impact being highly limited in extent and duration, no LSE is predicted.
IOU-SG-Li-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Installation/ Construction	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
IOU-SG-Li-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Essex Estuaries (E6)	Implementation/ Operation & Maintenance	Offshore - Infrastructure & Other Users	Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
MP-SG-Hu-C-01 K	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction	Offshore - Marine Processes	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can
BIE-SG-Hu-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Temporary habitat disturbance from planting activities and seabed sampling.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	Replanting methods in the intertidal will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	he concluded that there will no LSF As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no LSE is predicted.
BIE-SG-Hu-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction	Offshore - Benthic & Intertidal Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.	CoC-OFF-8	Negligible	N/A	No LSE identified	The works will result in the disturbance of small amounts of sediment, with the sediment being released into the water column and subsequently dispersed with the tide. Given the small amounts, the natural background levels of suspended sediment in the lower parts of the water column in the UK waters, and the short term and intermittent releases of sediment, it can be concluded that there will no LSE. Additionally, the implementation of Co-CPEFA will ensure no LSE raises.
BIE-SG-Hu-O-03	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Implementation/ Operation & Maintenance	Offshore - Benthic & Intertidal Ecology	Change of habitat type following introduction or reinstatement of seagrass.	Creation of seagrass habitat in an area not previously supporting seagrass.	Creation of seagrass habitat will change the habitat type in the area and result in loss of another habitat	CoC-OFF-8	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-8 and the impact being highly limited in extent and duration, no LSE is predicted.
FSE-SG-Hu-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction	Offshore - Fish & Shellfish Ecology	Increases in suspended sediment concentrations and deposition of disturbed sediments on the seabed due to planting activities and seabed sampling.	Divers using hand tools for replanting and/or hessian sacks of seeds deployed from a vessel.	Restoration by divers or from a vessel results in the resuspension of larger volumes of sediment than planting by foot in the intertidal area.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
FSE-SG-Hu-C-02	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction	Offshore - Fish & Shellfish Ecology	planting activities and seabed sampling.  Temporary habitat disturbance from planting activities and seabed sampling.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	planting by foot in the intertiad area.  Replanting methods in the intertiad will result in similar levels of habitat disturbance, with on foot planting representing the MDS in the intertiad area.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
MM-SG-Hu-C-01 k	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction	Offshore - Marine Mammals	Increased vessel traffic during planting activities may result in an increase in disturbance to or collision risk with marine mammals.		Maximum number of vessel movements associated with the works create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
MM-SG-Hu-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Implementation/ Operation & Maintenance	Offshore - Marine Mammals	Increased vessel traffic during monitoring activities may result in an increase in disturbance to or collision risk with marine mammals.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the monitoring create the greatest disturbance and collision risk.	CoC-OFF-4	Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-4 and the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction	Offshore - Offshore & Intertidal Ornithology	The impact of planting activities such as increased vessel activity or planting in intertidal area on foot may result in direct disturbance or displacement from important forgaina and habitat areas of birds.	Up to two vessels engaged in fish habitat enhancement or individuals on foot planting in intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the works create the greatest disturbance and displacement.	1	Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.
ORN-SG-Hu-O-02 k	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Implementation/ Operation & Maintenance	Offshore - Offshore & Intertidal Ornithology	The impact of monitoring activities such as increased vessel activity or monitoring of the intertidal area on foot may result in disturbance or displacement from	Monitoring undertaken from a vessel or on foot in the intertidal area.	Maximum number of vessel movements or individuals on the beach associated with the monitoring create the greatest disturbance and displacement.		Negligible	N/A	No LSE identified	Due to the impact being highly limited in extent and duration, no LSE is predicted.

CF-SG-Hu-C-01	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction	Offshore - Commercial Fisheries	Increased vessel traffic associated with planting may disrupt fishing activity.	Up to two vessels engaged in fish habitat enhancement.		CoC-OFF-3 CoC-OFF-11	Negligible	N/A		As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the
CF-SG-Hu-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Implementation/ Operation & Maintenance		increased vessel traffic related to monitoring or fisheries exclusion zones around the planted areas may disrupt fishing activity.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.		CoC-OFF-3 CoC-OFF-11	Negligible	N/A		As a result of the implementation of CoC-OFF-3 and CoC-OFF-11, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no I SF is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction		Vessels deviated in relation to planting works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Up to two vessels engaged in fish habitat enhancement.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A		As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Implementation/ Operation & Maintenance		Vessels deviated in relation to monitoring works leading to increased encounters and therefore may also lead to increased vessel to vessel collision risk for all vessels in all weather conditions.	Monitoring undertaken from a vessel.	Maximum number of vessel movements associated with the works create the greatest vessel deviations.	CoC-OFF-3	Negligible	N/A		As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is
	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction	Offshore - Marine Archaeology	Disturbance of sediments from planting activities and seabed sampling resulting in a potential effect on marine archaeology receptors.	Divers using hand tools for replanting; hessian sacks of seeds deployed from a vessel; or hand tool planting in the intertidal on foot.	levels of sediment disturbance, with on foot planting representing the MDS in the intertidal area.		Negligible	N/A	No LSE identified	As a result of the implementation of CoC-OFF-2 and the impact being highly limited in extent and duration, no LSE is predicted.
IOU-SG-Hu-O-02	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Installation/ Construction		Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Up to two vessels engaged in fish habitat enhancement.	the works create the greatest displacement of recreational activity.		Negligible	N/A		As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.
	Kittiwake, Gannet, Guillemot, Razorbill	Humber Estuary (E7)	Implementation/ Operation & Maintenance		Displacement of recreational craft, recreational activities, and recreational fishing vessels resulting in a loss of recreational resource.	Monitoring undertaken from a vessel and a buoyed voluntary no anchor zone.	Maximum number of vessel movements and buoyed area associated with the works create the greatest displacement of recreational activity.	CoC-OFF-3	Negligible	N/A		As a result of the implementation of CoC-OFF-3, the impact being highly limited in extent and duration, with the small number of vessels required for the works in the context of the vessel activity in the area, no LSE is predicted.