Supporting Information
Screening for Appropriate Assessment

NISA
North Irish Sea Array

Appendix 1
Screening Matrices

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1. Matrix Key

Evidence for or against adverse effects on integrity on European site qualifying features and Likely Significant Effect is detailed within the footnotes to the integrity matrix.

✓ = Likely Significant Effect cannot be excluded

✗ = Likely Significant Effect can be excluded

C = Construction

O = Operation and Maintenance

D = Decommissioning

N/A = Effect not relevant to feature (no potential for pathway)

2. Coastal and Marine Habitats

Matrix 1: Malahide Estuary SAC

Name of designated site: Malahide Estuary SAC Site Code: IE000205 Distance to closest point of Proposed development (km): 0.0																		
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Physical Habitat Loss / disturbance**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Mudflats and sandflats not covered by seawater at low tide	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Salicornia and other annual colonising mud and sand	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Atlantic salt meadows	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Mediterranean salt meadows	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Shifting dunes along the shoreline with *Ammophila arenaria (*white dunes)	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	✗b	N/A	✗b
Fixed coastal dunes with herbaceous vegetation (grey dunes)	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	✗b	N/A	✗b

✓a Based on proximity to the proposed development, it is considered that potential effects may reach the SAC, within which the features are located. Therefore, a finding of potential LSE is appropriate.

✗b No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 1.

Matrix 2: Rogerstown Estuary SAC

Name of designated site: Rogerstown Estuary SAC **Site Code: IE000208** **Distance to closest point of Proposed development (km): 0.0**																		
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Physical Habitat Loss / disturbance**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Estuaries	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Mudflats and sandflats not covered by seawater at low tide	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Salicornia and other annual colonising mud and sand	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Atlantic salt meadows	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Mediterranean salt meadows	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Shifting dunes along the shoreline with *Ammophila arenaria* (white dunes)	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	✗b	N/A	✗b
Fixed coastal dunes with herbaceous vegetation	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	✗b	N/A	✗b

✓a Based on proximity to the proposed development, it is considered that potential effects may reach the SAC, within which the features are located. Therefore, a finding of potential LSE is appropriate.

✗b No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 2.

Matrix 3: Baldoyle Bay SAC

Name of designated site: Baldoyle Bay SAC Site Code: IE000199 Distance to closest point of Proposed development (km): 0.9																		
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Physical Habitat Loss / disturbance**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Mudflats and sandflats not covered by seawater at low tide	✓a	✗b	✓a	✓a	N/A	✓a	✗b	✗b	✗b	N/A	✗c	N/A	N/A	N/A	N/A	✗c	N/A	✗c
Salicornia and other annuals colonising mud and sand	✓a	✗b	✓a	✓a	N/A	✓a	✗b	✗b	✗b	N/A	✗c	N/A	N/A	N/A	N/A	✗c	N/A	✗c
Atlantic salt meadows	✓a	✗b	✓a	✓a	N/A	✓a	✗b	✗b	✗b	N/A	✗c	N/A	N/A	N/A	N/A	✗c	N/A	✗c
Mediterranean salt meadows	✓a	✗b	✓a	✓a	N/A	✓a	✗b	✗b	✗b	N/A	✗c	N/A	N/A	N/A	N/A	✗c	N/A	✗c

✓a Onshore infrastructure is hydrologically connected so cannot be discounted for LSE.

✗b The site is outside the ZoI of 20km for both the Array and ECC and therefore has been screened out.

✗c Due to the distance from the proposed development, it is considered that there is no potential for the effect to reach the SAC within which the qualifying features are located, therefore LSE can be excluded.

End of Matrix 3.

Matrix 4: North Dublin Bay SAC

Name of designated site: North Dublin Bay SAC **Site Code: IE000206** **Distance to closest point of Proposed development (km): 2.0**																		
Impact	Suspended sediment / deposition			Accidental pollution			Marine INNS			Changes to physical processes			Physical Habitat Loss / disturbance			Dust deposition		
Stage of development	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D
Mudflats and sandflats not covered by seawater at low tide	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A	✗a	N/A	✗a
Salicornia and other annual colonising mud and sand	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A	✗a	N/A	✗a
Atlantic salt meadows	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A	✗a	N/A	✗a
Mediterranean salt meadows	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A	✗a	N/A	✗a
Embryonic shifting dunes	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	✗b	N/A	✗b
Shifting dunes along the shoreline with *Ammophila arenaria* (white dunes)	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	✗b	N/A	✗b
Fixed coastal dunes with herbaceous vegetation (grey dunes)	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	✗b	N/A	✗b
Humid dune slacks	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	✗b	N/A	✗b

Name of designated site: North Dublin Bay SAC Site Code: IE000206 Distance to closest point of Proposed development (km): 2.0																		
Impact	Suspended sediment / deposition			Accidental pollution			Marine INNS			Changes to physical processes			Physical Habitat Loss / disturbance			Dust deposition		
Stage of development	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D
Petalophyllum ralfsii (Petalwort)	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	✗b	N/A	✗b

✗a Due to the distance from the proposed development, it is considered that there is no potential for the effect to reach the SAC within which the qualifying features are located, therefore LSE can be excluded.

✗b No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 4.

Matrix 5: Rockabill to Dalkey Island SAC

Name of designated site: Rockabill to Dalkey Island SAC Site Code: IE003000 Distance to closest point of Proposed development (km): 2.4																		
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Physical Habitat Loss / disturbance**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Reefs	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	✓a	N/A	✓a	✗b	N/A	✗b

✓a The site is within the ZoI of 20km of the Array and ECC

✗b There is no hydrological, or other, connectivity between the Onshore Cable Route and Onshore infrastructure and European site. Therefore, LSE can be discounted.

This site is designated for the following further feature; harbour porpoise (*Phocoena phocoena*) however, this feature is considered in Matrix 13 as it is within the marine mammal receptor group.

End of Matrix 5.

Matrix 6: Howth Head SAC

Name of designated site: Howth Head SAC Site Code: IE000202 Distance to closest point of Proposed development (km): 5.1															
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Vegetated sea cliffs of the Atlantic and Baltic coasts	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A
European dry heaths	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A

✗a Due to the distance from the proposed development, it is considered that there is no potential for the effect to reach the SAC within which the qualifying features are located, therefore LSE can be excluded.

End of Matrix 6.

Matrix 7: Ireland's Eye SAC

Name of designated site: Ireland's Eye SAC Site Code: IE002193 Distance to closest point of Proposed development (km): 5.8															
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Perennial vegetation of stony banks	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A
Vegetated sea cliffs of the Atlantic and Baltic coasts	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A

✗a Due to the distance from the proposed development, it is considered that there is no potential for the effect to reach the SAC within which the qualifying features are located, therefore LSE can be excluded.

End of Matrix 7.

Matrix 8: South Dublin Bay SAC

Name of designated site: South Dublin Bay SAC Site Code: IE000210 Distance to closest point of Proposed development (km): 6.4															
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Mudflats and sandflats not covered by seawater at low tide	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A
Annual vegetation of drift lines	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A
Salicornia and other annuals colonising mud and sand	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A
Embryonic shifting dunes	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A

✗a Due to the distance from the proposed development, it is considered that there is no potential for the effect to reach the SAC within which the qualifying features are located, therefore LSE can be excluded.

End of Matrix 8.

Matrix 9: Boyne Coast and Estuary SAC

Name of designated site: Boyne Coast and Estuary SAC Site Code: IE001957 Distance to closest point of Proposed development (km): 7.9																		
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Physical Habitat Loss / disturbance**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Estuaries	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mudflats and sandflats not covered by seawater at low tide	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Salicornia and other annuals colonising mud and sand	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Atlantic salt meadows	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Annual vegetation of drift lines	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Embryonic shifting dunes	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shifting dunes along the shoreline with *Ammophila arenaria* (white dunes)	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fixed coastal dunes with herbaceous vegetation (grey dunes)	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A

✓a Based on proximity to the proposed development, it is considered that potential effects may reach the SAC, within which the features are located. Therefore, a finding of potential LSE is appropriate.

✗b No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 9.

Matrix 10: Lambay Island SAC

Name of designated site: Lambay Island SAC **Site Code: IE000204** **Distance to closest point of Proposed development (km): 14.8**																		
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Physical Habitat Loss / disturbance**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Reefs	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vegetated sea cliffs of the Atlantic and Baltic coasts	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	✗b	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A

✓a Based on proximity to the proposed development, it is considered that potential effects may reach the SAC, within which the features are located. Therefore, a finding of potential LSE is appropriate.

✗b No pathway for effect as outside of the ZoI for these effects and outside of the scope of the SISAA and NIS.

This site is designated for the following further features; harbour porpoise (*Phocoena phocoena*), grey seal (*Halichoerus grypus)* and harbour seal (*Phoca vitulina*) which are considered in Matrix 14 as they are within the marine mammal receptor group.

End of

Matrix 10

Matrix 11: River Boyne and River Blackwater SAC

Name of designated site: River Boyne and River Blackwater SAC Site Code: IE002299 Distance to closest point of Proposed development (km): 12.7																		
Impact	**Suspended sediment / deposition**			**Accidental pollution**			**Marine INNS**			**Changes to physical processes**			**Physical Habitat Loss / disturbance**			**Dust deposition**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Alkaline fens	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A	✗a	N/A	✗a
Alluvial forests with *Alnus glutinosa*	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	✗a	N/A	✗a	N/A	N/A	N/A	N/A	✗a	N/A	✗a

✗a Due to the distance from the proposed development, it is considered that there is no potential for the effect to reach the SAC within which the qualifying features are located, therefore LSE can be excluded.

This site is designated for the following further features; river lamprey (*Lampetra fluviatilis*), salmon (*Salmo salar*) and otter (*Lutra lutra*). River lamprey and salmon have been considered in Matrix 12 as they fall within the migratory fish receptor group. This site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect otter QIs and it is therefore not considered within the scope of the SISAA and NIS.

End of Matrix 11.

3. Migratory Fish

Matrix 12: River Boyne and River Blackwater SAC

Name of designated site: River Boyne and River Blackwater SAC Site Code: IE002299 Distance to closest point of Proposed development (km): 13.0																												
Impact	**Underwater Noise**			**Suspended sediment plumes and deposition**			**Accidental pollution**			**Marine INNS**			**Changes to prey**			**Habitat loss / disturbance**			**Vessel collision**			**Non-physical disturbance**			**EMF**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
River lamprey	✓a	N/A	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗b	N/A	✗b	✗b	N/A	✗b	✗b	N/A	✗b	✗b	N/A	✗b	✗b	N/A	✗b	✗b	N/A	✗b	N/A	✓a	N/A
Atlantic salmon	✓a	N/A	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗b	N/A	✗b	✗b	N/A	✗b	✗b	N/A	✗b	✗b	N/A	✗b	✗b	N/A	✗b	✗b	N/A	✗b	N/A	✓a	N/A

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b There is a lack of connectivity between the qualifying feature and the potential effect, therefore there is no potential for LSE.

This site is designated for the following further features; alkaline fens and alluvial forests with *Alnus glutinosa*. These features have been considered in Matrix 11 as they are within the Coastal and Marine Habitats receptor group.

End of Matrix 12.

4. Marine Mammals

Matrix 13: Rockabill to Dalkey Island SAC

Name of designated site: Rockabill to Dalkey Island SAC Site Code: IE003000 Distance to closest point of Proposed development (km): 2.4																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓ a	✗ b	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further feature; reefs. This is considered in Matrix 5 as it falls within the Coastal and Marine Habitats receptor group.

End of Matrix 13.

Matrix 14: Lambay Island SAC

Name of designated site: Lambay Island SAC Site Code: IE000204 Distance to closest point of Proposed development (km): 14.8																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓ a	✗ b	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c
Harbour seal	✓ a	✗ b	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c
Grey seal	✓ a	✗ b	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further features; reefs and vegetated sea cliffs of the Atlantic and Baltic coasts. These features are considered in Matrix 10 as the fall with the Coastal and Marine Habitats receptor group.

End of Matrix 14.

Matrix 15: Codling Fault Zone SAC

Name of designated site: Codling Fault Zone SAC Site Code: IE003015 Distance to closest point of Proposed development (km): 28.0																				
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further feature; submarine structures made by leaking gases. This site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect this QI and it therefore is not considered within the scope of the SISAA and NIS .

End of Matrix 15.

Matrix 16: North Anglesey Marine/ Gogledd Môn Forol SAC

Name of designated site: North Anglesey Marine/ Gogledd Môn Forol SAC Site Code: UK0030398 Distance to closest point of Proposed development (km): 34.7																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓ a	✗ b	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

End of Matrix 16.

Matrix 17: Murlough SAC

Name of designated site: Murlough SAC Site Code: UK0016612 Distance to closest point of Proposed development (km): 41.3																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour seal	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further features; fixed coastal dunes with herbaceous vegetation (grey dunes), Atlantic decalcified fixed dunes (*Calluno-Ulicetea*), sandbanks which are slightly covered by sea water all the time, mudflats and sandflats not covered by seawater at low tide, Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*), embryonic shifting dunes, shifting dunes along the shoreline with *Ammophila arenaria* (white dunes), dunes with *Salix repens* ssp. *argentea* (*Salicion arenariae*) and marsh fritillary butterfly *Euphydryas* (*Eurodryas, Hypodryas*) *aurinia*. However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

End of Matrix 17.

Matrix 18: North Channel SAC

Name of designated site: North Channel SAC Site Code: UK0030399 Distance to closest point of Proposed development (km): 48.4																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓ a	✗ b	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c	✓ a	✓ a	✓ a	✗ c	✗ c	✗ c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

End of Matrix 18.

Matrix 19: Glannau Ynys Gybi / Holy Island Coast SAC

Name of designated site: Glannau Ynys Gybi / Holy Island Coast SAC Site Code: UK0013046 Distance to closest point of Proposed development (km): 82.3																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Grey seal	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further features; vegetated sea cliffs of the Atlantic and Baltic Coasts, European dry heaths and Northern Atlantic wet heaths with *Erica tetralix*. However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS .

End of Matrix 19.

Matrix 20: West Wales Marine/ Gorllewin Cymru Forol

Name of designated site: West Wales Marine/ Gorllewin Cymru Forol SAC Site Code: UK0030397 Distance to closest point of Proposed development (km): 100.7																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

End of Matrix 20.

Matrix 21: Pen Llŷn a`r Sarnau/ Lleyn Peninsula and the Sarnau SAC

Name of designated site: Pen Llŷn a`r Sarnau/ Lleyn Peninsula and the Sarnau SAC Site Code: UK0013117 Distance to closest point of Proposed development (km): 106.7																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Bottlenose dolphin	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Grey seal	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

This site is designated for the following further features; sandbanks which are slightly covered by sea water all the time, estuaries, coastal lagoons, large shallow inlets and bays, reefs, mudflats and sandflats not covered by seawater at low tide, *Salicornia* and other annuals colonizing mud and sand, Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*), submerged or partially submerged sea caves and otter (*Lutra lutra*). However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

End of Matrix 21.

Matrix 22: Blackwater Bank SAC

Name of designated site: Blackwater Bank SAC Site Code: IE002953 Distance to closest point of Proposed development (km): 121.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further feature; sandbanks which are slightly covered by sea water all the time. However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

End of Matrix 22.

Matrix 23: Carnsore Point SAC

Name of designated site: Carnsore Point SAC Site Code: IE002269 Distance to closest point of Proposed development (km): 154.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further features; mudflats and sandflats not covered by seawater at low tide and reefs. However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

Matrix 23End of Matrix 23.

Matrix 24: Cardigan Bay/ Bae Ceredigion SAC

Name of designated site: Cardigan Bay/ Bae Ceredigion SAC Site Code: UK0012712 Distance to closest point of Proposed development (km): 161.9																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Bottlenose dolphin	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Grey seal	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

This site is designated for the following further features; sandbanks which are slightly covered by sea water all the time, reefs, submerged or partially submerged sea caves, sea lamprey (*Petromyzon marinus*) and river lamprey (*Lampetra fluviatilis*). However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

End of Matrix 24.

Matrix 25: Hook Head SAC

Name of designated site: Hook Head SAC Site Code: UK000764 Distance to closest point of Proposed development (km): 199.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Bottlenose dolphin	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further features; large shallow inlets and bays, reefs and vegetated sea cliffs of the Atlantic and Baltic coasts. However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

End of Matrix 25.

Matrix 26: Bristol Channel Approaches/ Dynesfeydd Môr Hafren SAC

Name of designated site: Bristol Channel Approaches/ Dynesfeydd Môr Hafren SAC Site Code: UK0030396 Distance to closest point of Proposed development (km): 223.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

Matrix 26End of Matrix 26.

Matrix 27: Roaringwater Bay and Island SAC

Name of designated site: Roaringwater Bay and Island SAC Site Code: IE000101 Distance to closest point of Proposed development (km): 320.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Grey seal	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

This site is designated for the following further features; large shallow inlets and bays, reefs, vegetated sea cliffs of the Atlantic and Baltic coasts, European dry heaths, submerged or partially submerged sea caves and otter (*Lutra lutra*). However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

Matrix 27 End of Matrix 27.

Matrix 28: Blasket Island SAC

Name of designated site: Blasket Island SAC Site Code: IE002172 Distance to closest point of Proposed development (km): 346.6																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Grey seal	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

This site is designated for the following further features; reefs, vegetated sea cliffs of the Atlantic and Baltic coasts, European dry heaths and submerged or partially submerged sea caves. However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

End of Matrix 28.

Matrix 29: Bunduff Lough and Machair / Trawalua / Mullaghmore SAC

Name of designated site: Bunduff Lough and Machair / Trawalua / Mullaghmore SAC Site Code: UK000625 Distance to closest point of Proposed development (km): 436.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further features; mudflats and sandflats not covered by seawater at low tide, large shallow inlets and bays, reefs, shifting dunes along the shoreline with *Ammophila arenaria* (white dunes), fixed coastal dunes with herbaceous vegetation (grey dunes), humid dune slacks, machairs (*in Ireland), *Juniperus communis* formations on heaths or calcareous grasslands, semi-natural dry grasslands and scrubland facies on calcareous substrates (*Festuco-Brometalia*) (* important orchid sites), alkaline fens, *Euphydryas aurinia* (marsh fritillary) and *Petalophyllum ralfsii* (petalwort). However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

Matrix 29 End of Matrix 29.

Matrix 30: Kenmare River SAC

Name of designated site: Kenmare River SAC Site Code: UK002158 Distance to closest point of Proposed development (km): 453.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Harbour seal	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

This site is designated for the following further features; large shallow inlets and bays, reefs, perennial vegetation of stony banks, vegetated sea cliffs of the Atlantic and Baltic coasts, Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*), mediterranean salt meadows (*Juncetalia maritimi*), shifting dunes along the shoreline with *Ammophilia arenaria* (white dunes), fixed coastal dunes with herbaceous vegetation (grey dunes), European dry heaths, *Juniperus communis* formations on heaths or calcareous grasslands, calaminarian grasslands of the *Violetalia calaminariae*, submerged or partially submerged sea caves, narrow-mouthed whorl Snail (*Vertigo angustior*), lesser horseshoe bat (*Rhinolophus hipposideros*) and otter (*Lutra lutra*). However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

End of Matrix 30.

Matrix 31: West Connacht Coast SAC

Name of designated site: West Connacht Coast SAC Site Code: UK002998 Distance to closest point of Proposed development (km): 477.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Bottlenose dolphin	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 31.

Matrix 32: Belgica Mound Province SAC

Name of designated site: Belgica Mound Province SAC Site Code: UK002327 Distance to closest point of Proposed development (km): 545.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Bottlenose dolphin	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

This site is designated for the following further feature; reefs. However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect this QI and therefore is not considered within the scope of the SISAA and NIS.

End of Matrix 32.

Matrix 33: Kilkieran Bay and Islands SAC

Name of designated site: Kilkieran Bay and Islands SAC Site Code: UK002111 Distance to closest point of Proposed development (km): 615.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Harbour seal	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d	✗d

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

This site is designated for the following further features; mudflats and sandflats not covered by seawater at low tide, coastal lagoons, large shallow inlets and bays, reefs, Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*), Mediterranean salt meadows (*Juncetalia maritimi*), machairs (* in Ireland), oligotrophic to mesotrophic standing waters with vegetation of the *Littorelletea uniflorae* and/or *Isoeto-Nanojuncetea*, lowland hay meadows (*Alopecurus pratensis*, *Sanguisorba officinalis*), otter (*Lutra lutra*) and slender naiad (*Najas flexilis*). However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

End of Matrix 33.

Matrix 34: Inishmore Island SAC

Name of designated site: Inishmore Island SAC Site Code: IE000213 Distance to closest point of Proposed development (km): 636.0																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Harbour porpoise	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

This site is designated for the following further features; coastal lagoons, reefs, perennial vegetation of stony banks, vegetated sea cliffs of the Atlantic and Baltic coasts, Embryonic shifting dunes, shifting dunes along the shoreline with *Ammophila arenaria* (white dunes), fixed coastal dunes with herbaceous vegetation (grey dunes), dunes with *Salix repens* ssp. *argentea* (*Salicion arenariae*), humid dune slacks, machairs (* in Ireland), European dry heaths, alpine and boreal heaths, semi-natural dry grasslands and scrubland facies on calcareous substrates (*Festuco-Brometalia*) (* important orchid sites), lowland hay meadows (*Alopecurus pratensis, Sanguisorba officinalis*), limestone pavements, submerged or partially submerged sea caves and narrow-mouthed whorl snail (*Vertigo angustior*) . However, this site is outside of the ZoI of any impacts associated with the proposed development with the potential to affect these QIs and they are therefore not considered within the scope of the SISAA and NIS.

Matrix 34End of Matrix 34.

Matrix 35: Transboundary sites with Mainland Europe for Harbour Porpoise

Name of designated site: Transboundary sites with Mainland Europe for Harbour Porpoise Distance to closest point of Proposed development (km): 467.3																					
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Nord Bretagne DH SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Mers Celtiques – Talus du golfe de Gascogne SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Récifs et landes de la Hague SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Anse de Vauville SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Banc et récifs de Surtainville SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Tregor Goëlo SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Baie de Morlaix SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Abers – Côtes des Légendes SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

Name of designated site: Transboundary sites with Mainland Europe for Harbour Porpoise Distance to closest point of Proposed development (km): 467.3																				
Impact	**Underwater Noise**			**Vessel disturbance**			**Vessel collision**			**Changes in prey**			**Increased concentrations of suspended sediment**			**Accidental pollution**			**Habitat loss / disturbance**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Ouessant-Molène SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Chausey SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Baie de Saint-Brieuc – Est SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Côtes de Crozon SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Baie de Lancieux, Baie de l'Arguenon, Archipel de Saint Malo et Dinard SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Baie du Mont Saint-Michel SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c
Chaussée de Sein SAC	✓a	✗b	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✗c	✗c	✗c	✓a	✓a	✓a	✗c	✗c	✗c

✓a The qualifying feature is sensitive to the potential effect and therefore there is potential for LSE.

✗b The qualifying feature is not sensitive to the potential effect within this stage of development and therefore there is no potential for LSE.

✗c Given the temporary and localised nature of the proposed works and that the qualifying feature is highly mobile there is no potential for LSE.

These sites have multiple other QIs, however, these sites lie outside of the ZoI of any impacts associated with the proposed development, with the potential to affect any QI other than harbour porpoise (Phocoena phocoena), and they are therefore not considered within the scope of the SISAA and NIS.

End of Matrix 35

5. Ornithology

Matrix 36: North-West Irish Sea SPA

Name of Designated Site: North-West Irish Sea SPA Site Code: IE0004236 Distance to closest point of proposed development (km): 0.0																												
Stage of development	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and displacement**			**Indirect effects via impacts on prey**			**Spatial distribution**			**Dust deposition**			**Suspended sediment**			**Accidental pollution**			**Onshore disturbance and displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Common scoter	N/A	✓i	N/A	N/A	✓f	N/A	✓a	✓a	✓a	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Red-throated diver	N/A	✓i	N/A	N/A	✓f	N/A	✓a	✓a	✓a	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Great northern-diver	N/A	✓i	N/A	N/A	✓f	N/A	✓a	✓a	✓a	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Great black-backed gull	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fulmar	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manx shearwater	N/A	✓c	N/A	N/A	✓f	N/A	✓a	✓a	✓a	✓e	✓e	✓e	✓g	✓g	✓g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Name of Designated Site: North-West Irish Sea SPA Site Code: IE0004236 Distance to closest point of proposed development (km): 0.0																											
Stage of development	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and displacement**			**Indirect effects via impacts on prey**			**Spatial distribution**			**Dust deposition**			**Suspended sediment**			**Accidental pollution**			**Onshore disturbance and displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Little gull	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kittiwake	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Black-headed gull	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Common gull	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Lesser black-backed gull	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Herring gull	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Little tern	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roseate tern	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common tern	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arctic tern	N/A	✓c	N/A	N/A	✓f	N/A	N/A	N/A	N/A	✓e	✓e	✓e	✓g	✓g	✓g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puffin	N/A	N/A	N/A	N/A	✗h	N/A	✗h	✗h	✗h	✗h	✗h	✗h	✗h	✗h	✗h	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Razorbill	N/A	N/A	N/A	N/A	✓f	N/A	✓a	✓a	✓a	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Guillemot	N/A	N/A	N/A	N/A	✓f	N/A	✓a	✓a	✓a	✓e	✓e	✓e	✓g	✓g	✓g	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Shag	N/A	✗d	N/A	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Cormorant	N/A	✗d	N/A	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b

Evidence supporting conclusions

✓a	This species has moderate or high vulnerability to displacement, and due to proximity to the site there is potential for these effects.
✓b	Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.
✓c	This species has moderate vulnerability to collision and therefore there is potential for LSE.
✗d	This species has low vulnerability to displacement and collision, and was recorded in very low numbers in the offshore development area. Therefore, there is no potential for LSE.
✓e	This species has moderate vulnerability to collision and therefore there is potential for LSE.
✓f	Due to vulnerability to displacement impacts and/or proximity to the proposed development, the potential for LSE for barrier effects cannot be ruled out.
✓g	Due to proximity to the site, there is potential for LSE.
✗h	Due to very low numbers recorded in in the offshore development area, there is no potential for LSE.
✓i	Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

End of Matrix 36.

Matrix 37: Malahide Estuary SPA

Name of Designated Site: Malahide Estuary SPA Site Code: IE000205 Distance to closest point of proposed development (km): 0.0005																								
Impact	Collision Risk			Barrier Effects			Offshore disturbance and Displacement			Indirect effects via impacts on prey			Dust deposition			Suspended sediment			Accidental pollution			Onshore disturbance and Displacement		
Stage of development	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D
Bar-tailed godwit	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Black-tailed godwit	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Dunlin	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Golden plover	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Goldeneye	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Great crested grebe	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Grey plover	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Knot	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Light-bellied brent goose	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Oystercatcher	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Pintail	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b

Name of Designated Site: Malahide Estuary SPA Site Code: IE000205 Distance to closest point of proposed development (km): 0.0005																								
Impact	Collision Risk			Barrier Effects			Offshore disturbance and Displacement			Indirect effects via impacts on prey			Dust deposition			Suspended sediment			Accidental pollution			Onshore disturbance and Displacement		
Stage of development	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D	C	O	D
Red-breasted merganser	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Redshank	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Shelduck	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Wetland and waterbirds	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b

Evidence supporting conclusions

✓a Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✓b Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.

End of Matrix 37.

Matrix 38: Rockabill SPA

Name of Designated Site: Rockabill SPA Site Code: IE004014 Distance to closest point of proposed development (km): 0.2															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Common tern	N/A	✓a	N/A	N/A	✓b	N/A	N/A	N/A	N/A	N/A	✓g	N/A	N/A	N/A	N/A
Roseate tern	N/A	✓a	N/A	N/A	✓b	N/A	N/A	N/A	N/A	N/A	✓g	N/A	N/A	N/A	N/A
Arctic tern	N/A	✓a	N/A	N/A	✓b	N/A	N/A	N/A	N/A	N/A	✓g	N/A	N/A	N/A	N/A
Purple sandpiper	N/A	✓f	N/A	N/A	✗d	N/A	✓c	N/A	✓c	N/A	N/A	N/A	✓e	N/A	✓e

Evidence supporting conclusions

✓a This species is vulnerable to collision, and there is potential connectivity during the breeding season, therefore there is potential for LSE.

✓b This species has low vulnerability to disturbance/ displacement and not considered at risk to barrier effect. However, due to the proximity to the proposed development, LSE cannot be ruled out.

✓c The site is within the buffer range for disturbance to this species. Therefore, there is potential for LSE.

✗d This species is not vulnerable to collision risk or barrier effects, therefore there is no potential for LSE.

✓e Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore there is potential for LSE.

✓f This species may be vulnerable to collision on migration, therefore there is potential for LSE.

✓g This species may be impacted by indirect effects on prey species, therefore there is potential for LSE.

End of Matrix 38.

Matrix 39: Rogerstown Estuary SPA

Name of Designated Site: Rogerstown Estuary SPA Site Code: IE004015 Distance to closest point of proposed development (km): 0.79																								
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Dust deposition**			**Suspended sediment**			**Accidental pollution**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Black-tailed godwit	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Dunlin	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Greylag goose	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Grey plover	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Knot	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Light-bellied brent goose	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Oystercatcher	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Redshank	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Ringed plover	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Shelduck	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Shoveler	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b
Wetlands and waterbirds	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b	√b	N/A	√b

Evidence supporting conclusions

√a Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✓b Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.

End of Matrix 39.

Matrix 40: Baldoyle Bay SPA

Name of Designated Site: Baldoyle Bay SPA Site Code: IE004016 Distance to closest point of proposed development (km): 0.92																								
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Dust deposition**			**Suspended sediment/ deposition**			**Accidental pollution**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Bar-tailed godwit	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Golden plover	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Grey plover	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Light-bellied brent goose	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Ringed plover	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Shelduck	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b
Wetlands and waterbirds	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b	✓b	N/A	✓b	✓b	N/A	✓b

Evidence supporting conclusions

✓a Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✓b Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.

End of Matrix 40.

Matrix 41: North Bull Island SPA

Name of Designated Site: North Bull Island SPA Site Code: IE004006 Distance to closest point of proposed development (km): 2.0															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Bar tailed godwit	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Black tailed godwit	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Curlew	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Dunlin	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Golden plover	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Grey plover	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Knot	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Light bellied brent goose	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Oystercatcher	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Pintail	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Redshank	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Sanderling	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Shelduck	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Shoveler	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Teal	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Turnstone	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Black headed gull	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Wetlands and waterbirds	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✗d	N/A	✗d

Evidence supporting conclusions

✗a The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

✓b Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.

✗c As this species only passes through the proposed development in very small numbers, we conclude no potential for LSE.

✗d There is no hydrological connectivity and therefore no pathway for effect.

End of Matrix 41.

Matrix 42: River Nanny Estuary & Shore SPA

Name of Designated Site: River Nanny Estuary & Shore SPA Site Code: IE004158 Distance to closest point of proposed development (km): 3.03															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Golden plover	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Knot	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Oystercatcher	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Ringed plover	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Sanderling	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Herring gull	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wetland and waterbirds	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✗d	N/A	✗d

Evidence supporting conclusions

✓a Due to the proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✓b Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.

✗c As this is a non-breeding feature and the array area is not expected to impact connectivity at this site. Therefore, we conclude no potential for LSE.

✗d There is no hydrological connectivity and therefore no pathway for effect.

End of Matrix 42.

Matrix 43: South Dublin Bay and River Tolka SPA

Name of Designated Site: South Dublin Bay and River Tolka SPA Site Code: IE004024 Distance to closest point of proposed development (km): 4.4															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**		**Onshore disturbance and Displacement**			
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Arctic tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roseate tern	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common tern	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black headed gull	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Bar tailed godwit	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Dunlin	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Grey plover	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Knot	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Light bellied brent goose	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Oystercatcher	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Redshank	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Ringed plover	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Sanderling	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓d	N/A	✓d
Wetlands and waterbirds	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✗e	N/A	✗e

Evidence supporting conclusions

✗a This species is not vulnerable to collision or disturbance/displacement, and survey data showed little evidence of this species occurring within the offshore development area, therefore, we conclude no potential for LSE.

✗b As the site has no connectivity with breeding features, and the species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

✗c Survey data shows little or no evidence of these species occurring within the offshore development area, and connectivity to the site during migrations is expected to be minimal, therefore, we conclude no potential for LSE.

✓d Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.

✗e There is no hydrological connectivity and therefore no pathway for effect.

End of Matrix 43.

Matrix 44: Skerries Islands SPA

Name of Designated Site: Skerries Islands SPA **Site Code: IE004122** **Distance to closest point of proposed development (km): 5.1**															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Cormorant	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Shag	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Herring gull	N/A	✓b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Light-bellied brent goose	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Purple sandpiper	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Turnstone	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓a	N/A	✓a

Evidence supporting conclusions

✓a Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.

✓b Due to the proximity of this site to the proposed development and high vulnerability to collision with turbines, there is potential for LSE.

✓c Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

End of Matrix 44.

Matrix 45: Ireland's Eye SPA

Name of Designated Site: Ireland's Eye SPA Site Code: IE004117 Distance to closest point of proposed development (km): 5.61															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Cormorant	N/A	✗a	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A	✗b	N/A	✗b
Guillemot	N/A	N/A	N/A	N/A	N/A	N/A	✓c	✓c	✓c	N/A	N/A	N/A	✗b	N/A	✗b
Razorbill	N/A	N/A	N/A	N/A	N/A	N/A	✓c	✓c	✓c	N/A	N/A	N/A	✗b	N/A	✗b
Herring gull	N/A	✓d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✗b	N/A	✗b
Kittiwake	N/A	✓d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✗b	N/A	✗b

Evidence supporting conclusions

✗a This species is not vulnerable to collision or disturbance/ displacement, therefore, we conclude no potential for LSE.

✗b There is no hydrological or other connectivity, and the site is also outside of the ZoI of 20km for both the Array and ECC. Therefore, we conclude no potential for LSE.

✓c This species is vulnerable to disturbance / displacement, therefore, there is potential for LSE.

✓d This species has high vulnerability to collision risk, and due to proximity to the site there is potential for these effects.

End of Matrix 45.

Matrix 46: Saltee Islands SPA

Name of Designated Site: Saltee Islands SPA Site Code: IE004002 Distance to closest point of proposed development (km): 6												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Cormorant	N/A	✗a	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Shag	N/A	✗a	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Guillemot	N/A	N/A	N/A	N/A	N/A	N/A	✓b	✓b	✓b	N/A	N/A	N/A
Herring gull	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gannet	N/A	✓c	N/A	N/A	N/A	N/A	✓c	✓c	✓c	N/A	N/A	N/A
Fulmar	N/A	✗d	N/A	N/A	N/A	N/A	✗d	✗d	✗d	N/A	N/A	N/A
Kittiwake	N/A	✓e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lesser black backed gull	N/A	✓e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puffin	N/A	N/A	N/A	N/A	N/A	N/A	✗g	✗g	✗g	N/A	N/A	N/A
Razorbill	N/A	N/A	N/A	N/A	N/A	N/A	✓f	✓f	✓f	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✓b The site has no connectivity with breeding features; however this species has high vulnerability to disturbance / displacement, and maybe present in the array area during the non-breeding season as such there is potential for these effects.

✓c This species has high vulnerability to collision risk, and disturbance / displacement, therefore, there is potential for LSE.

✗d This species is not vulnerable to collision or displacement/disturbance. The species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

✓e This species has high vulnerability to collision risk, and due to proximity to the site there is potential for these effects.

✓f This species is vulnerable to disturbance / displacement, therefore, there is potential for LSE.

✗g This species is vulnerable to disturbance / displacement, but was recorded in very low numbers in the offshore development area. Therefore, there is no potential for LSE.

End of Matrix 46.

Matrix 47: Howth Head Coast SPA

Name of Designated Site: Howth Head Coast SPA Site Code: IE004113 Distance to closest point of proposed development (km): 7.1															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Kittiwake	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✗b	N/A	✗b

Evidence supporting conclusions

✓a Due to the proximity of this site to the proposed development and the species' high vulnerability to collision, we conclude that there is a potential for LSE.

✗b There is no hydrological or other connectivity, and the site is also outside of the ZoI of 20km for both the Array and ECC. Therefore, we conclude no potential for LSE.

End of Matrix 47.

Matrix 48: Lambay Island SPA

Name of Designated Site: Lambay Island SPA Site Code: IE004069 Distance to closest point of proposed development (km): 14.4															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Cormorant	N/A	✗f	N/A	N/A	N/A	N/A	N/A	✗f	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Shag	N/A	✗f	N/A	N/A	N/A	N/A	N/A	✗f	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Guillemot	N/A	N/A	N/A	N/A	N/A	N/A	✓b	✓b	✓b	N/A	N/A	N/A	✓a	N/A	✓a
Puffin	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✗e	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Razorbill	N/A	N/A	N/A	N/A	N/A	N/A	✓b	✓b	✓b	N/A	N/A	N/A	✓a	N/A	✓a
Herring gull	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Kittiwake	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Lesser black-backed gull	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓a	N/A	✓a
Fulmar	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Greylag goose	N/A	✓d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✓a Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.

✓b This species is vulnerable to disturbance / displacement, therefore, there is potential for LSE.

✓c This species is vulnerable to collision with wind turbines, therefore, there is potential for LSE.

✓d This species may be vulnerable to collision on migration, therefore there is potential for LSE.

✗e Due to very low numbers recorded in the offshore development area, there is no potential for LSE.

✗f This species is not vulnerable to collision risk or barrier effects, therefore there is no potential for LSE.

End of Matrix 48.

Matrix 49: Boyne Estuary SPA

Name of Designated Site: Boyne Estuary SPA Site Code: IE004080 Distance to closest point of proposed development (km): 10.6															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**			**Onshore disturbance and Displacement**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Little tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✗a	N/A	✗a
Black-tailed godwit	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Golden plover	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Grey plover	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Knot	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Lapwing	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Oystercatcher	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Redshank	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Sanderling	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Shelduck	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Turnstone	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓b	N/A	✓b
Wetland and waterbirds	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✗d	N/A	✗d

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✓b Certain SCI species associated with the SPA may use land within or adjacent to the Onshore infrastructure. Therefore, there is potential for LSE.

✓c Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✗d There is no hydrological connectivity and therefore no pathway for effect.

End of Matrix 49.

Matrix 50: Dundalk Bay SPA

Name of Designated Site: Dundalk Bay SPA Site Code: IE004026 Distance to closest point of proposed development (km): 21.5												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Common gull	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Herring gull	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bar-tailed godwit	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-headed gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-tailed godwit	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common scoter	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Curlew	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dunlin	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Golden plover	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Great crested grebe	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grey plover	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Greylag goose	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Knot	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lapwing	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light-bellied brent goose	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mallard	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oystercatcher	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pintail	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Red-breasted merganser	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Name of Designated Site: Dundalk Bay SPA Site Code: IE004026 Distance to closest point of proposed development (km): 21.5												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Redshank	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ringed plover	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shelduck	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Teal	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wetland and waterbirds	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a As this is a non-breeding feature and the array area is not expected to impact connectivity at this site, we conclude no potential for LSE.

✗b The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

✗c No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 50.

Matrix 51: Carlingford Lough SPA

Name of Designated Site: Carlingford Lough SPA Site Code: UK9020161 Distance to closest point of proposed development (km): 31.3												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Common tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sandwich tern	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dunlin	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grey plover	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oystercatcher	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Redshank	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ringed plover	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light-bellied brent goose	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wetland and waterbirds	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✗b This species is moderately vulnerable to collision, however the species is unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

✗c The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 51.

Matrix 52: Poulaphouca Reservoir SPA

Name of Designated Site:												
Site Code: IE004063 Distance to closest point of proposed development (km): 36.21												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance & Displacement**			**Indirect effects via impacts on prey**		
Stage of Development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Greylag goose	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lesser black-backed gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✓a Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✗b No pathway for effect as this is an inland colony outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 52.

Matrix 53: Dalkey Islands SPA

Name of Designated Site: Dalkey Islands SPA Site Code: IE004172 Distance to closest point of proposed development (km): 39.5															
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance & Displacement**			**Indirect effects via impacts on prey**			**Onshore disturbance & Displacement**		
Stage of Development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Arctic tern	N/A	Xa	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Xb	N/A	Xb
Common tern	N/A	Xc	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Xb	N/A	Xb
Roseate tern	N/A	Xc	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Xb	N/A	Xb

Evidence supporting conclusions

Xa This species is not vulnerable to collision or displacement/disturbance. The species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

Xb These bird populations are not considered to use lands within or adjacent to the Onshore Cable Route, therefore we conclude no potential for LSE.

Xc As the site has no connectivity with breeding features, and the species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

End of Matrix 53.

Matrix 54: Wicklow Head SPA

Name of Designated Site: Wicklow Head SPA Site Code: IE004127 Distance to closest point of proposed development (km): 47.82												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Kittiwake	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions.

✓a This species has high vulnerability to collision risk, and due to proximity to the site there is potential for LSE.

End of Matrix 54.

Matrix 55: The Murrough SPA

Name of Designated Site: The Murrough SPA Site Code: IE004186 Distance to closest point of proposed development (km): 52.7												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Little tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black headed gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Greylag goose	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light-bellied brent goose	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Red-throated diver	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Teal	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wigeon	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Herring gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wetland and waterbirds	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✗b The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

✗c No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 55.

Matrix 56: Killough Bay SPA

Name of Designated Site: Killough Bay SPA Site Code: UK9020221 Distance to closest point of proposed development (km): 57.7												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Light bellied brent goose	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

End of Matrix 56.

Matrix 57: Strangford Lough SPA

Name of Designated Site: Strangford Lough SPA Site Code: UK9020111 Distance to closest point of proposed development (km): 64.7												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Arctic tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sandwich tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bar-tailed godwit	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-tailed godwit	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coot*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Curlew*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dunlin*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Eider	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gadwall*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Golden plover	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Goldeneye*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Great crested grebe*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Greenshank	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grey plover*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Greylag goose*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lapwing*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mallard*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mute swan	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Name of Designated Site: Strangford Lough SPA Site Code: UK9020111 Distance to closest point of proposed development (km): 64.7												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Oystercatcher*	N/A	Xb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pintail*	N/A	Xb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Red-breasted merganser*	N/A	Xb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ringed plover*	N/A	Xb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shelduck*	N/A	Xb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shoveler*	N/A	Xb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Teal*	N/A	Xb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turnstone*	N/A	Xb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wigeon*	N/A	Xb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Waterfowl assemblage	N/A	Xc	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

Xa As the site has no connectivity with breeding features, we conclude no LSE.

Xb The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

Xc Several species belonging to the waterfowl assemblage have been individually assessed on a precautionary basis and have concluded no LSE. For the remining species within the waterfowl assemblage, there is no pathway for effect as they are outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 57.

Matrix 58: Outer Ards SPA

Name of Designated Site: Outer Ards SPA Site Code: UK9020271 Distance to closest point of proposed development (km): 69.7												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Arctic tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Golden plover	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Light-bellied brent goose	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ringed plover	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turnstone	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✗b The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

End of Matrix 58.

Matrix 59: Lough Sheelin SPA

Name of Designated Site: Lough Sheelin SPA Site Code: IE004065 Distance to closest point of proposed development (km): 85.3												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Goldeneye	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Great crested grebe	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pochard	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tufted duck	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wetland and waterbirds	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

✗b No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 59.

Matrix 60: Lough Neagh & Lough Beg SPA

Name of Designated Site: Lough Neagh & Lough Beg SPA Site Code: UK9020091 Distance to closest point of proposed development (km): 86.7												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Common tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bewick's swan*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Whooper swan*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Goldeneye*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pochard*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scaup*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tufted duck*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Great crested grebe*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Golden plover*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Waterfowl assemblage	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✗b The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

✗c Several species belonging to the waterfowl assemblage have been individually assessed on a precautionary basis and have concluded no LSE. For the remining species within the waterfowl assemblage, there is no pathway for effect as they are outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 60.

Matrix 61: Copeland Islands SPA

Name of Designated Site: Copeland Islands SPA Site Code: UK9020291 Distance to closest point of proposed development (km): 104.6												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Artic tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manx shearwater	N/A	✗b	N/A	N/A	N/A	N/A	✗b	✗b	✗b	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✗b This species is not vulnerable to collision or displacement/disturbance. The species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

End of Matrix 61.

Matrix 62: Glannau Aberdaron ac Ynys Enlli/ Aberdaron Coast & Bardsey Island SPA

Name of Designated Site: Glannau Aberdaron ac Ynys Enlli/ Aberdaron Coast & Bardsey Island SPA Site Code: UK9013121 Distance to closest point of proposed development (km): 105.8												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Manx shearwater	N/A	✗a	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Chough	N/A	✗b	N/A	N/A	N/A	N/A	✗b	✗b	✗b	N/A	N/A	N/A

Evidence supporting conclusions

✗a This species is not vulnerable to collision or displacement/disturbance. The species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

✗b No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 62.

Matrix 63: Seas off Wexford cSPA

Name of Designated Site: Seas off Wexford cSPA Site Code: IE004237 Distance to closest point of proposed development (km): 118.7												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Red-throated diver	N/A	N/A	N/A	N/A	N/A	N/A	✗a	✗a	✗a	✗a	✗a	✗a
Common scoter	N/A	N/A	N/A	N/A	N/A	N/A	✗a	✗a	✗a	✗a	✗a	✗a
Mediterranean gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-headed gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lesser black-headed gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sandwich tern	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roseate tern	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common tern	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arctic tern	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Little tern	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fulmar	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manx shearwater	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Herring gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kittiwake	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gannet	N/A	✗d	N/A	N/A	✗d	N/A	✗d	✗d	✗d	N/A	N/A	N/A
Cormorant	N/A	✗b	N/A	N/A	N/A	N/A	✗b	✗b	✗b	N/A	N/A	N/A
Shag	N/A	✗b	N/A	N/A	N/A	N/A	✗b	✗b	✗b	N/A	N/A	N/A
Guillemot	N/A	N/A	N/A	N/A	N/A	N/A	✗d	✗d	✗d	N/A	N/A	N/A
Razorbill	N/A	N/A	N/A	N/A	N/A	N/A	✗d	✗d	✗d	N/A	N/A	N/A

Name of Designated Site: Seas off Wexford cSPA Site Code: IE004237 Distance to closest point of proposed development (km): 118.7												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Puffin	N/A	N/A	N/A	N/A	N/A	N/A	✗d	✗d	✗d	N/A	N/A	N/A

Evidence supporting conclusions

✗a This species has high vulnerability to displacement, but there is no functional connectivity to this site.

✗b As the site has no connectivity with breeding features, we conclude no LSE.

✗c This species is not vulnerable to collision or displacement/disturbance. The species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

✗d There is no direct impact within the SPA, these species are assessed for their breeding SPAs that abut the Seas off Wexford SPA. Therefore, LSE can be discounted.

End of Matrix 63.

Matrix 64: Morecambe Bay & Duddon Estuary SPA

Name of Designated Site: Morecombe Bay & Duddon Estuary SPA Site Code: UK9020326 Distance to closest point of proposed development (km): 164.6												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Black headed gull*	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common tern*	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Herring gull*	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Little tern*	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sandwich tern*	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lesser black backed gull*	N/A	✓b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bar tailed godwit	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-tailed godwit	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Curlew	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dunlin	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Golden plover	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grey plover	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Knot	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Little egret	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oystercatcher	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pink footed goose	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pintail	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Redshank*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ringed plover	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Name of Designated Site: Morecombe Bay & Duddon Estuary SPA Site Code: UK9020326 Distance to closest point of proposed development (km): 164.6												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Ruff	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sanderling	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shelduck	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turnstone	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Whooper swan	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mediterranean gull	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Waterbird assemblage	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Seabird assemblage	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✓b This species has high vulnerability to collision risk, and due to proximity to the site LSE cannot be discounted.

✗c The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

✗d Several species belonging to the seabird and waterbird assemblages have been individually assessed on a precautionary basis and have concluded no LSE. For the remining species within the assemblages, there is no pathway for effect as they are outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 64.

Matrix 65: Rathlin Island SPA

Name of Designated Site: Rathlin Island SPA Site Code: UK9020011 Distance to closest point of proposed development (km): 168.5												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Common gull*	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Herring gull*	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guillemot*	N/A	N/A	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Razorbill*	N/A	N/A	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Kittiwake*	N/A	✓b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fulmar*	N/A	✗c	N/A	N/A	N/A	N/A	✗c	✗c	✗c	N/A	N/A	N/A
Lesser black-backed gull*	N/A	✓b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peregrine falcon	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Seabird assemblage	N/A	✗e	N/A	N/A	N/A	N/A	✗e	✗e	✗e	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✓b This species has high vulnerability to collision risk, and due to proximity to the site LSE cannot be discounted.

✗c This species is not vulnerable to collision or displacement/disturbance. The species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

✗d No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

✗e Several species belonging to the seabird assemblage have been individually assessed on a precautionary basis and are not considered again as part of the assemblage for brevity. For the remining species within the seabird assemblage, there is no pathway for effect as they are outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 65.

Matrix 66: Ailsa Craig SPA

Name of Designated Site: Ailsa Craig SPA Site Code: UK9003091 Distance to closest point of proposed development (km): 171.0												
Impact	**Collision Risk**			**Barrier Effects**			**Offshore disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Gannet*	N/A	✓a	N/A	N/A	N/A	N/A	✓a	✓a	✓a	N/A	N/A	N/A
Guillemot*	N/A	N/A	N/A	N/A	N/A	N/A	✗b	✗b	✗b	N/A	N/A	N/A
Herring gull*	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lesser black-backed gull*	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kittiwake*	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Seabird assemblage	N/A	✗d	N/A	N/A	N/A	N/A	✗d	✗d	✗d	N/A	N/A	N/A

Evidence supporting conclusions

✓a This species has high vulnerability to collision risk, and disturbance / displacement, therefore, there is potential for LSE.

✗b As the site has no connectivity with breeding features, we conclude no LSE.

✓c This species has high vulnerability to collision risk, and due to proximity to the site there is potential for these effects.

✗d Several species belonging to the seabird assemblage have been individually assessed on a precautionary basis and are not considered again as part of the assemblage for brevity. For the remining species within the seabird assemblage, there is no pathway for effect as they are outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 66.

Matrix 67: Helvick Head to Ballyquin SPA

Name of Designated Site: Helvick Head to Ballyquin SPA Site Code: IE004192 Distance to closest point of proposed development (km): 174.78												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Cormorant	N/A	✗a	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Herring gull	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kittiwake	N/A	✓b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chough	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peregrine falcon	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✓b This species has high vulnerability to collision risk, and due to proximity to the site there is potential for these effects.

✗c The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

End of Matrix 67.

Matrix 68: Ribble & Alt Estuaries SPA

Name of Designated Site: Ribble & Alt Estuaries SPA Site Code: UK9005103 Distance to closest point of proposed development (km): 177.8												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Common tern	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black headed gull*	N/A	✗a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cormorant*	N/A	✗a	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Lesser black backed gull	N/A	✓b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bar tailed godwit	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bewick's swan*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black tailed godwit	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dunlin*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Golden plover*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grey plover*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Knot	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oystercatcher*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pink footed goose*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pintail*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Redshank*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ringed plover*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sanderling	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shelduck*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Teal*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Name of Designated Site: Ribble & Alt Estuaries SPA Site Code: UK9005103 Distance to closest point of proposed development (km): 177.8												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Whooper swan*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wigeon*	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ruff	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Waterbird assemblage	N/A	✗e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Seabird assemblage	N/A	✗e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✓b This species has high vulnerability to collision risk, and due to proximity to the site there is potential for these effects.

✗c The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

✗d No pathway for effect as outside of the ZoI for these effects and outside of the scope of the SISAA and NIS.

✗e Several species belonging to the seabird and waterbird assemblages have been individually assessed on a precautionary basis and have concluded no LSE. For the remining species within the assemblages, there is no pathway for effect as they are outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 68.

Matrix 69: Skomer, Skokholm & the Seas off Pembrokeshire/ Sgomer, Sgogwm a Moroedd Penfro SPA

Name of Designated Site: Skomer, Skokholm & the Seas off Pembrokeshire/ Sgomer, Sgogwm a Moroedd Penfro SPA Site Code: UK9014051 Distance to closest point of proposed development (km): 188.16												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Lesser black backed gull*	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kittiwake*	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manx shearwater*	N/A	N/A	N/A	N/A	N/A	N/A	✗b	✗b	✗b	N/A	N/A	N/A
Storm petrel*	N/A	N/A	N/A	N/A	N/A	N/A	✗b	✗b	✗b	N/A	N/A	N/A
Puffin*	N/A	N/A	N/A	N/A	N/A	N/A	✗d	✗d	✗d	N/A	N/A	N/A
Guillemot*	N/A	N/A	N/A	N/A	N/A	N/A	✗c	✗c	✗c	N/A	N/A	N/A
Razorbill*	N/A	N/A	N/A	N/A	N/A	N/A	✗c	✗c	✗c	N/A	N/A	N/A
Short-eared owl	N/A	N/A	N/A	N/A	N/A	N/A	✗e	✗e	✗e	N/A	N/A	N/A
Chough	N/A	N/A	N/A	N/A	N/A	N/A	✗e	✗e	✗e	N/A	N/A	N/A
Seabird assemblage	N/A	✗f	N/A	N/A	N/A	N/A	✗f	✗f	✗f	N/A	N/A	N/A

Evidence supporting conclusions

✓a This species has high vulnerability to collision risk, and due to proximity to the site there is potential for these effects.

✗b This species is not vulnerable to collision or displacement/disturbance. The species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

✗c As the site has no connectivity with breeding features, we conclude no LSE.

✗d This species was recorded in very low numbers in the offshore development area, therefore we conclude no potential for LSE.

✗e No pathway for effect as outside of the ZoI for these effects and outside of the scope of the SISAA and NIS.

✗f Several species belonging to the seabird assemblage have been individually assessed on a precautionary basis and are not considered again as part of the assemblage for brevity. For the remining species within the seabird assemblage, there is no pathway for effect as they are outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 69.

Matrix 70: Grassholm SPA

Name of Designated Site: Grassholm SPA **Site Code: UK9014041** **Distance to closest point of proposed development (km): 207.2**												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Gannet	N/A	✓a	N/A	N/A	N/A	N/A	✓a	✓a	✓a	N/A	N/A	N/A

Evidence supporting conclusions

✓a This species has high vulnerability to collision risk / displacement, and due to proximity to the site there is potential for these effects.

End of Matrix 70.

Matrix 71: Blackwater Callows SPA

Name of Designated Site: Blackwater Callows SPA Site Code: IE004094 Distance to closest point of proposed development (km): 190.4												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Whooper swan	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bewick's swan	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wigeon	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Teal	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mallard	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shoveler	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-tailed godwit	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lapwing	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Curlew	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-headed gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wetland and waterbirds	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✓a Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✗b This species was recorded in very low numbers in the offshore development area, therefore we conclude no potential for LSE.

✗c No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 71.

Matrix 72: Horn Head to Fanad Head SPA

Name of Designated Site: Horn Head to Fanad Head SPA Site Code: IE004194 Distance to closest point of proposed development (km): 190.7												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Guillemot	N/A	N/A	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Razorbill	N/A	N/A	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Cormorant	N/A	✗a	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Shag	N/A	✗a	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Fulmar	N/A	✗b	N/A	N/A	✗b	N/A	✗b	✗b	✗b	N/A	N/A	N/A
Kittiwake	N/A	✓c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barnacle goose	N/A	✗d	N/A	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Greenland white-fronted goose	N/A	✗d	N/A	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chough	N/A	✗d	N/A	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peregrine falcon	N/A	✗d	N/A	N/A	✗d	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✗b This species is not vulnerable to collision or displacement/disturbance. The species is also unlikely to pass through the proposed development in significant numbers, therefore we conclude no potential for LSE.

✓c This species has high vulnerability to collision risk, and due to proximity to the site there is potential for these effects.

✗d The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

End of Matrix 72

Matrix 73: Cork Harbour SPA

Name of Designated Site: Cork Harbour SPA Site Code: IE004030 Distance to closest point of proposed development (km): 213.29												
Impact	Collision Risk			Barrier Effects			Disturbance and Displacement			Indirect effects via impacts on prey		
Stage of development	C	O	D	C	O	D	C	O	D	C	O	D
Shelduck	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wigeon	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Teal	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mallard	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pintail	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shoveler	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Red-breasted merganser	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Little grebe	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Great crested grebe	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grey heron	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oystercatcher	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-tailed godwit	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bar-tailed godwit	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Redshank	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Golden plover	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grey plover	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lapwing	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dunlin	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Curlew	N/A	√a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Name of Designated Site: Cork Harbour SPA Site Code: IE004030 Distance to closest point of proposed development (km): 213.29												
Impact	Collision Risk			Barrier Effects			Disturbance and Displacement			Indirect effects via impacts on prey		
Stage of development	C	O	D	C	O	D	C	O	D	C	O	D
Black-headed gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cormorant	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common gull	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lesser black-backed gull	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common tern	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wetland and waterbirds	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✓a Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✗b This species was recorded in very low numbers in the offshore development area, therefore we conclude no potential for LSE.

✗c No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 73.

Matrix 74: Courtmacsherry SPA

Name of Designated Site: Courtmacsherry SPA Site Code: IE004219 Distance to closest point of proposed development (km): 256.14												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Shelduck	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wigeon	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Red-breasted merganser	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-tailed godwit	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bar-tailed godwit	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Golden plover	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lapwing	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dunlin	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Curlew	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Great northern diver	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-headed gull	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common gull	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wetland and Waterbirds	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✓a Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✗b This species was recorded in very low numbers in the offshore development area, therefore we conclude no potential for LSE.

✗c No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 74.

Matrix 75: North Colonsay & Western Cliffs SPA

Name of Designated Site: North Colonsay & Western Cliffs SPA Site Code: UK9003171 Distance to closest point of proposed development (km): 259.5												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Guillemot*	N/A	N/A	N/A	N/A	N/A	N/A	✗a	✗a	✗a	N/A	N/A	N/A
Kittiwake*	N/A	✓b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chough	N/A	✗c	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Seabird assemblage	N/A	✗d	N/A	N/A	N/A	N/A	✗d	✗d	✗d	N/A	N/A	N/A

Evidence supporting conclusions

✗a As the site has no connectivity with breeding features, we conclude no LSE.

✓b This species has high vulnerability to collision risk, and due to proximity to the site there is potential for these effects.

✗c The species is unlikely to pass through the proposed development in significant numbers, and has a low connectivity between this site and the proposed development, therefore we conclude no potential for LSE.

✗d Several species belonging to the seabird assemblage have been individually assessed on a precautionary basis and are not considered again as part of the assemblage for brevity. For the remining species within the seabird assemblage, there is no pathway for effect as they are outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 75.

Matrix 76: Clonakilty SPA

Name of Designated Site: Clonakilty SPA Site Code: IE004081 Distance to closest point of proposed development (km): 268.43												
Impact	**Collision Risk**			**Barrier Effects**			**Disturbance and Displacement**			**Indirect effects via impacts on prey**		
Stage of development	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**	**C**	**O**	**D**
Shelduck	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Black-tailed godwit	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Curlew	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dunlin	N/A	✓a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wetland and waterbirds	N/A	✗b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Evidence supporting conclusions

✓a Due to proximity of this site to the proposed development and high degree of connectivity, there is potential for LSE.

✗b No pathway for effect as outside of the ZoI for any impacts associated with the proposed development and therefore outside of the scope of the SISAA and NIS.

End of Matrix 76.