



NORTH FALLS

Offshore Wind Farm

Report to Inform Appropriate Assessment

Part 6 Summary

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Glossary of Acronyms

GGOW	Greater Gabbard Offshore Wind Farm
HRA	Habitats Regulations Assessment
NFOW	North Falls Offshore Wind Farm Limited
OWF	Offshore Wind Farm
RIAA	Report to Inform Appropriate Assessment
SAC	Special Area of Conservation
SCI	Site of Community Importance
SPA	Special Protection Area
UK	United Kingdom

Glossary of Terminology

European site	Any site which would be included within the definition at Regulation 8 of the Conservation of Habitats and Species Regulations 2017 and Conservation of Offshore Marine Habitats and Species Regulations 2017 for the purpose of those regulations, including candidate Special Areas of Conservation, Sites of Community Importance, Special Areas of Conservation, Special Protection Areas and any relevant marine sites.
Special Protection Area	European site designation to protect one or more rare, threatened or vulnerable bird species listed in Annex I of the Birds Directive, or certain regularly occurring migratory species
Site of Community Importance	European site designation for a site which contributes significantly to the maintenance or restoration to a favourable conservation status of a natural habitat type in Annex I or of a species in Annex II, to the coherence of Natura 2000, and/or to the maintenance of biological diversity within the biogeographic region or regions concerned.
Special Area of Conservation	European site designation to protect one or more special habitats and/or species – terrestrial or marine – listed in the Habitats Directive.
The Applicant	North Falls Offshore Wind Farm Limited (NFOW).
The Project Or 'North Falls'	North Falls Offshore Wind Farm, including all onshore and offshore infrastructure.

6 Summary

6.1 Introduction

6.1.1 Background

1. North Falls Offshore Wind Farm (hereafter 'North Falls' or 'the Project') is an extension to the existing Greater Gabbard Offshore Wind Farm (GGOW), in the southern North Sea. When operational, North Falls would have the potential to generate renewable power for approximately 400,000 United Kingdom (UK) homes from up to 57 wind turbines.
2. NFOW is a joint venture between SSE Renewables Offshore Windfarm Holdings Limited (SSER) and RWE Renewables UK Swindon Limited (RWE) both of which are highly experienced developers.

6.1.2 Purpose of this document

3. The purpose of the Report to Inform Appropriate Assessment (RIAA) is to provide the information necessary for the competent authority to carry out the Appropriate Assessment of the North Falls Offshore Wind Farm (OWF) (hereafter 'North Falls' or 'the Project').
4. The RIAA is provided in the following parts:
 - Part 1 Introduction;
 - Appendix 1.1 HRA Screening;
 - Part 2 Benthic Ecology (Annex I Habitat in SACs and SPA supporting habitat);
 - Part 3 Marine Mammals (Annex II species);
 - Part 4 Offshore Ornithology (Birds Directive Annex 1 and Migratory Species);
 - Part 5 Onshore European and Ramsar Sites; and
 - Part 6 Summary (this document).
5. This document provides a summary of the RIAA (Parts 2 to 5).

6.2 RIAA Summary

6. A shadow Appropriate Assessment is provided in the RIAA for all effects and European sites screened-in in the HRA Screening report (RIAA Appendix 7.1.1.1).
7. The RIAA (Parts 2 to 5) concludes no adverse effect on the integrity of European sites, with the exception of in-combination collision risk on lesser black-backed gull from the Alde Ore Estuary Special Protection Area (SPA). Information to support a HRA Derogation case is provided in the HRA Provision of Evidence (Document Reference: 7.2).

8. Following consultation with Natural England, an HRA derogation case is also provided in relation to red throated diver from the Outer Thames Estuary SPA and kittiwake, guillemot and razorbill from the Flamborough and Filey Coast SPA, without prejudice of the Applicant's position presented in the RIAA that there is no adverse effect on the integrity on these features and sites.

6.2.1 Benthic Ecology

Table 6.1 Summary of shadow appropriate assessment for the effects of North Falls (alone or in-combination) on benthic ecology (C= construction; O&M= operation and maintenance; D= decommissioning; N = no adverse effect on integrity; Y = adverse effect on integrity, N/A = screened out)

Site code	Designation name	Qualifying feature	Effect/project phase																										
			Changes to suspended sediment concentrations and bedload transport			Smothering			Re-mobilisation of contaminated sediments			Structure, function and supporting processes.			Extent distribution of supporting habitat			Distribution, abundance, and availability of prey			Contamination			Maintain natural levels of turbidity					
			C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D			
UK0030371	Margate and Long Sands Special Area of Conservation (SAC)	H1110 Sandbanks which are slightly covered by sea water all the time	N	N	N	N	N	N	N	N	N	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	N/A	N/A	N/A
UK9020309	Outer Thames Estuary SPA supporting	Subtidal coarse sediment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Subtidal sand	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Subtidal mud	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Subtidal mixed sediment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Circolittoral rock	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	N	N	N	N	N	N	N	N	N	N	N	N

6.2.2 Marine Mammals

Table 6.2 Summary of shadow appropriate assessment for the effects of North Falls (alone or in-combination) on marine mammals (C= construction; O&M= operation and maintenance; D= decommissioning; N = no adverse effect on integrity; Y = adverse effect on integrity, N/A = screened out)

Site code	Designation name	Qualifying feature	Effect/project phase																	
			Underwater noise			Barrier effects			Collision risk			Changes to prey			Changes to water quality					
			C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D			
UK																				
UK0030170	Humber Estuary SAC and Ramsar	Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
UK0030395	Southern North Sea SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
UK0017075	The Wash and North Norfolk Coast SAC	Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Belgium																				
BEMNZ0001	Vlaamse Banken SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BEMNZ0002	SBZ 1 / ZPS 1 SPA	Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BEMNZ0005	Vlakte van de Raan Site of Community Importance (SCI)	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
France																				
FR3102005	Baie de Canche et couloir des trois estuaires SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Site code	Designation name	Qualifying feature	Effect/project phase														
			Underwater noise			Barrier effects			Collision risk			Changes to prey			Changes to water quality		
			C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
FR3102002	Bancs des Flandres SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
FR3100474	Dunes De La Plaine Maritime Flamande SAC	Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
FR3100480	Estuaire De La Canche, Dunes Picardes Plaques Sur L'ancienne Falaise, Foret D'hardelot Et Falaise D'equihen SAC	Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
FR2200346	Estuaires et littoral picards (baies de Somme et d'Authie) SAC	Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
FR3100478	Falaises du Cran aux Oeufs et du Cap Gris-Nez, Dunes du Chatelet, Marais de Tardinghen et Dunes de Wissant SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
FR3102003	Recifs Gris-Nez Blanc-Nez SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
FR3102004	Ridens et dunes hydrauliques du detroit du Pas-de-Calais SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Netherlands																	
NL2008001	Doggersbank SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL3009005	Duinen Ameland SAC	Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL2003060	Duinen en Lage Land Texel SAC	Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL9801079	Duinen Goeree & Kwade Hoek SAC	Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL2003059	Duinen Terschelling SAC	Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL2003061	Duinen Vlieland SAC	Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL4000021	Grevelingen SAC	Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL2008002	Klaverbank SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL9802001	Noordzeekustzone SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Site code	Designation name	Qualifying feature	Effect/project phase														
			Underwater noise			Barrier effects			Collision risk			Changes to prey			Changes to water quality		
			C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL3009016	Oosterschelde SPA and SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL2008003	Vlakte van de Raan SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL4000017	Voordelta SAC and SPA	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL1000001	Waddenzee SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NL9803061	Westerschelde & Saefthinghe SAC	Harbour porpoise	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Grey seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Harbour seal	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

6.2.3 Offshore Ornithology

Table 6.3 Summary of shadow appropriate assessment for the effects of North Falls (alone or in-combination) on offshore ornithology (C= construction; O&M= operation and maintenance; D= decommissioning; N = no adverse effect on integrity; N* = no adverse effect on integrity/without prejudice derogation case provided Y = adverse effect on integrity, N/A = screened out)

Site code	Designation name	Qualifying feature	Effect/project phase														
			Disturbance/ displacement			Collision risk			Effects on habitats and prey species								
			C	O&M	D	C	O&M	D	C	O&M	D						
UK																	
UK9009112 and UK11002	Alde-Ore Estuary SPA and Ramsar site	Sandwich tern, breeding	N/A	N	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Lesser black-backed gull, breeding	N/A	N/A	N/A	N/A	N (project alone) Y (in-combination)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Avocet, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Avocet, non-breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Marsh harrier, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Redshank, non-breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Ruff, non-breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Notable assemblage of breeding and wintering wetland birds	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Site code	Designation name	Qualifying feature	Effect/project phase								
			Disturbance/ displacement			Collision risk			Effects on habitats and prey species		
			C	O&M	D	C	O&M	D	C	O&M	D
UK9020309	Outer Thames Estuary SPA	Red-throated diver (non-breeding)	N	N*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Common tern (Breeding)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK11026	Foulness SPA and Ramsar	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Avocet, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ringed plover, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Bar-tailed godwit, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Grey plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Hen harrier, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Knot, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Oystercatcher, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Redshank, wintering, passage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage (shelduck, dunlin, curlew)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9006101	Flamborough and Filey Cast SPA	Gannet, breeding	N/A	N	N/A	N/A	N	N/A	N/A	N/A	N/A
		Kittiwake, breeding	N/A	N/A	N/A	N/A	N*	N/A	N/A	N/A	N/A
		Guillemot, breeding	N/A	N*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Razorbill, breeding	N/A	N*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Seabird assemblage, breeding	N/A	N	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9020286	Sandlings SPA	Nightjar, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Woodlark, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009101 and UK11044	Minsmere-Walberswick SPA and Ramsar	Avocet, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Marsh harrier, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Nightjar, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Shoveler, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Shoveler, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Teal, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Gadwall, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Gadwall, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		White-fronted goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Hen harrier, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Assemblage of rare breeding birds associated with marshland and reedbeds	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009261 and UK11017	Deben Estuary SPA and Ramsar	Avocet, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A

Site code	Designation name	Qualifying feature	Effect/project phase								
			Disturbance/ displacement			Collision risk			Effects on habitats and prey species		
			C	O&M	D	C	O&M	D	C	O&M	D
UK9009131 and UK11028	Hamford Water SPA and Ramsar	Avocet, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Black-tailed godwit islandica, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Grey plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Redshank, winteringS, passage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ringed plover, winteringS, passage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Shelduck, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Teal, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009121 and UK11067	Stour and Orwell Estuaries SPA and Ramsar	Avocet, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Black-tailed godwit islandica, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dunlin alpina, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Grey plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Knot, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Pintail, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Redshank, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Redshank, autumn passage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
Waterbird assemblage (great crested grebe, cormorant, shelduck, wigeon, gadwall, goldeneye, ringed plover, lapwing, curlew, turnstone)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A		
UK9012071 and UK11070	Thanet Coast and Sandwich Bay SPA and Ramsar	Golden plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Turnstone, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009291	Benacre to Easton Bavents SPA	Marsh harrier, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009243 and UK11015	Colne Estuary SPA and Ramsar	Pochard, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ringed plover, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Black-tailed godwit islandica, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Hen harrier, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Redshank, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
Waterbird assemblage, wintering (cormorant, mute swan, shelduck, goldeneye, ringed plover, grey plover, sanderling, dunlin, curlew)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A		
UK9009253 and UK11010	Broadland SPA and Ramsar	Marsh harrier, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Bewick's swan, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Hen harrier, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ruff, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Gadwall, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Shoveler, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A

Site code	Designation name	Qualifying feature	Effect/project phase								
			Disturbance/ displacement			Collision risk			Effects on habitats and prey species		
			C	O&M	D	C	O&M	D	C	O&M	D
		Whooper swan, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Wigeon, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9012121 and UK11066	Stodmarsh SPA and Ramsar	Gadwall, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Gadwall, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Bittern, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Hen harrier, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Shoveler, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Breeding bird assemblage (great crested grebe, lapwing, redshank, snipe, grasshopper warbler, Savi's warbler, sedge warbler, reed warbler)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage, wintering (white-fronted goose, wigeon, mallard, pochard, tufted duck, water rail, lapwing, snipe)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009242 and UK11018	Dengie SPA and Ramsar	Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Grey plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Hen harrier, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Knot, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage, wintering (dunlin, black-tailed godwit, bar-tailed godwit)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009245 and UK11007	Blackwater Estuary SPA and Ramsar	Pochard, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ringed plover, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Black-tailed godwit islandica, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dunlin alpina, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Grey plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Hen harrier, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage, wintering (cormorant, shelduck, gadwall, teal, goldeneye, ringed plover, curlew, redshank)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009141 and UK11001	Abberton Reservoir SPA and Ramsar	Coot, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Gadwall, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Goldeneye, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Great crested grebe, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Mute swan, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Pochard, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Shoveler, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Teal, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Tufted duck, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Wigeon, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage, late summer passage/moult	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A

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			Disturbance/ displacement			Collision risk			Effects on habitats and prey species		
			C	O&M	D	C	O&M	D	C	O&M	D
UK9009244 and UK11058	Crouch and Roach Estuaries SPA and Ramsar	Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009181 and UK11008	Breydon Water SPA and Ramsar	Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Avocet, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Bewick's swan, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Golden plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Lapwing, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ruff, passage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9012011 and UK11071	The Swale SPA and Ramsar	Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dunlin alpina, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Redshank, passage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Grey plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Breeding bird assemblage (shelduck, mallard, moorhen, coot, lapwing, redshank, reed warbler, reed bunting)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage, wintering (oystercatcher, ringed plover, redshank, shelduck, wigeon, teal, curlew)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009171 and UK11006	Benfleet and Southend Marshes SPA and Ramsar	Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dunlin alpina, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Grey plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Knot, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ringed plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9012021 and UK11069	Thames Estuary and Marshes SPA and Ramsar	Avocet, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Black-tailed godwit islandica, wintering, passage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dunlin alpina, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Grey plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Hen harrier, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Knot, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Redshank, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ringed plover, passage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
Waterbird assemblage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A		
UK9012031 and UK11040	Medway Estuary and Marshes SPA and Ramsar	Avocet, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Avocet, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dark-bellied brent goose, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Dunlin alpina, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Grey plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A

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			Disturbance/ displacement			Collision risk			Effects on habitats and prey species		
			C	O&M	D	C	O&M	D	C	O&M	D
		Knot, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Pintail, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Redshank, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ringed plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Shelduck, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Breeding bird assemblage (oystercatcher, lapwing, ringed plover, redshank, shelduck, mallard, teal, shoveler, pochard, common tern)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage, wintering (red-throated diver, great crested grebe, cormorant, mallard, teal, shoveler, pochard, oystercatcher, Bewick's swan, hen harrier, merlin, golden plover, short-eared owl, kingfisher)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009201	Breckland SPA	Nightjar, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Stone curlew, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Woodlark, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9012091 and UK11023	Dungeness, Romney Marsh and Rye Bay SPA and Ramsar	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Avocet, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Marsh harrier, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Aquatic warbler, passage	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Bewick's swan, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Bittern, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Golden plover, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Hen harrier, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Ruff, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Shoveler, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Mute swan, wintering	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Waterbird assemblage, wintering (European white-fronted goose, wigeon, gadwall, pochard, little grebe, great crested grebe, cormorant, coot, sanderling, whimbrel, common sandpiper, lapwing)	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9009031	North Norfolk Coast SPA	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9011011	Chichester and Langstone Harbours SPA	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9011061	Solent and Southampton Water SPA	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9006061	Teessmouth and Cleveland Coast SPA	Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
UK9006031	Coquet Island SPA	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
		Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A

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			Disturbance/ displacement			Collision risk			Effects on habitats and prey species			
			C	O&M	D	C	O&M	D	C	O&M	D	
		Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9006021	Farne Islands SPA	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9004171	Forth Islands SPA	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Gannet, breeding	N/A	N	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Lesser black-backed gull, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9002221	Ythan Estuary, Sands of Forvie and Meikle Loch SPA	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
	Loch of Strathbeg SPA.	Sandwich tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9008021	The Wash SPA	Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9001624	Inner Moray Firth SPA	Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9001623	Cromarty Firth SPA	Common tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
	Northumbria Coast SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9001131	Pentland Firth Islands SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
	Auskerry SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9002371	Rousay SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9002091	Fair Isle SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002101	West Westray SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002111	Papa Westray (North Hill and Holm) SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Arctic skua, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9002511	Sumburgh Head SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9002361	Mousa SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9002061	Foula SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Great skua, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Red-throated diver, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002051	Papa Stour SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9002031	Fetlar SPA	Arctic tern, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Great skua, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A

Site code	Designation name	Qualifying feature	Effect/project phase									
			Disturbance/ displacement			Collision risk			Effects on habitats and prey species			
			C	O&M	D	C	O&M	D	C	O&M	D	
UK9002271	Fowlsheugh SPA	Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Kittiwake, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9002471	Troup, Pennan and Lion's Heads SPA	Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9001182	East Caithness Cliffs SPA	Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Razorbill, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Herring gull, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Kittiwake, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
UK9001181	North Caithness Cliffs SPA	Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002121	Marwick Head SPA	Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002081	Noss SPA	Guillemot, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Gannet, breeding	N/A	N	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Great skua, breeding	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002011	Hermaness, Saxa Vord and Valla Fiedl SPA	Gannet, breeding	N/A	N	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Great skua, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Red-throated diver, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002141	Hoy SPA	Great skua, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Red-throated diver, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002041	Ronas Hill - North Roe and Tingon SPA, and	Great skua, breeding	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
		Red-throated diver, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002111	Caithness and Sutherland Peatlands SPA	Red-throated diver, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002941	Otterswick and Graveland SPA	Red-throated diver, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UK9002311	Orkney Mainland Moors SPA	Red-throated diver, breeding	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

6.2.4 Onshore Ornithology

Table 6.4 Summary of shadow appropriate assessment for the effects of North Falls (alone or in-combination) on onshore ornithology (C= construction; O&M= operation and maintenance; D= decommissioning; N = no adverse effect on integrity; Y = adverse effect on integrity, N/A = screened out)

Site code	Designation name	Qualifying feature	Effect/project phase											
			Disturbance within European site (direct)			Disturbance on functionally linked land (direct)			Habitat loss on functionally linked land (direct)			Indirect effects on functionally linked land (i.e. air quality or changes in supporting surface or groundwater resources)		
			C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D
UK9009131	Hamford Water SPA	Little tern (breeding)	N	N/A	N	N	N/A	N	N	N/A	N	N/A	N/A	N/A
		Avocet (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N/A	N/A	N
		Dark bellied brent goose (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N/A	N/A	N

Site code	Designation name	Qualifying feature	Effect/project phase											
			Disturbance within European site (direct)			Disturbance on functionally linked land (direct)			Habitat loss on functionally linked land (direct)			Indirect effects on functionally linked land (i.e. air quality or changes in supporting surface or groundwater resources)		
			C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D
		Shelduck (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
		Teal (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
		Ringed plover (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
		Grey plover (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
		Black-tailed godwit (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
		Redshank (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
UK11028	Hamford Water Ramsar	Ringed plover (migration)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
		Common redshank (migration)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
		Dark bellied brent goose (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
		Black-tailed godwit (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
		Grey plover (wintering)	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N
UK9009121	Stour and Orwell Estuaries SPA	Avocet (breeding)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Redshank (migration)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Dark bellied brent goose (wintering)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Pintail (wintering)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Grey plover (wintering)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Knot (wintering)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Dunlin (wintering)	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-tailed godwit (wintering)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Redshank (wintering)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Waterbird assemblage	N/A	N/A	N/A	N	N/A	N	N	N/A	N	N	N/A	N
UK11067	Stour and Orwell Estuaries Ramsar	Waterfowl assemblage (wintering)	N/A	N/A	N/A	N	N/A	N	N	N/A	N	N	N/A	N
		Common redshank (migration)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Site code	Designation name	Qualifying feature	Effect/project phase												
			Disturbance within European site (direct)			Disturbance on functionally linked land (direct)			Habitat loss on functionally linked land (direct)			Indirect effects on functionally linked land (i.e. air quality or changes in supporting surface or groundwater resources)			
			C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D	
		Dark bellied brent goose (wintering)	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
		Northern pintail (wintering)	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
		Grey plover (wintering)	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
		Red knot (wintering)	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
		Dunlin (wintering)	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-tailed godwit (wintering)	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
		Redshank (wintering)	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
UK9009243	Colne Estuary (Mid-Essex Coast Phase 2) SPA	Little tern (breeding)	N/A	N/A	N/A	N	N/A	N	N	N/A	N	N	N/A	N	
		Hen harrier (wintering)	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
		Dark-bellied brent goose (wintering)	N/A	N/A	N/A	N	N/A	N	N	N/A	N	N	N/A	N	
		Redshank (wintering)	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
		Waterbird assemblage (breeding)	N/A	N/A	N/A	N	N/A	N	N	N/A	N	N	N/A	N	
UK11015	Colne Estuary (Mid-Essex Coast Phase 2) Ramsar	Waterfowl assemblage (wintering)	N/A	N/A	N/A	N	N/A	N	N	N/A	N	N	N/A	N	
		Dark bellied brent goose (wintering)	N/A	N/A	N/A	N	N/A	N	N	N/A	N	N	N/A	N	
		Common Redshank (wintering)	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

6.2.5 Onshore Ecology

Table 6.5 Summary of shadow appropriate assessment for the effects of North Falls (alone or in-combination) on onshore ecology (C= construction; O&M= operation and maintenance; D= decommissioning; N = no adverse effect on integrity; Y = adverse effect on integrity, N/A = screened out)

Site code	Designation name	Qualifying feature	Effect/project phase											
			Indirect disturbance from noise			Indirect disturbance from visual/lighting			Indirect effects from changes in supporting surface or groundwater resources			Direct and indirect effects on ex-situ habitats		
			C	O&M	D	C	O&M	D	C	O&M	D	C	O&M	D
UK9009131	Hamford Water SAC	Fisher's estuarine moth	N	N/A	N	N	N/A	N	N	N/A	N	N	N/A	N



NORTH FALLS

Offshore Wind Farm



HARNESSING THE POWER OF NORTH SEA WIND

North Falls Offshore Wind Farm Limited

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