Feature	Value	Potential Impacts During Operational Phase					
Resident des		Habitat Loss, Deterioration and Fragmentation	Disturbance to or Displacement of Protected Species or Reduction in Habitat Availability				
			No further nesting habitat will be removed during operation and no further displacement will occur.				
Farmland birds	Local importance (higher value)	Not applicable	No likely significant impact. No direct impacts on farmland birds. No further roosting, commuting or foraging habitat will be removed during operation and no further displacement will occur.				
Smooth newt	Local importance (higher value)	Not applicable	No likely significant impact. No direct impacts on newts are likely at occur at operational stage. No further pond habitat will be removed during operation and no further displacement will occur.				
Otters	Local importance (higher value)	Not applicable	No impact. No direct or indirect impacts on any features identified as being used by otters shall be affected at operational stage.				
Badgers	Local importance (higher value)	Not applicable	No likely significant impact. No direct impacts on badgers are likely at occur a operational stage. No further sett disturbance will occur during operation and no further displacement will occur.				

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Table 11.15: Potentially Significant Operational Stage Impacts of the Proposed Project on Terrestrial Biodiversity

Feature	Value	Potential Impacts During Operational Phase							
		Habitat Loss, Deterioration and Fragmentation	Disturbance to or Displacement of Protected Species or Reduction in Habitat Availability						
European Sites	, International	No impact.	No impact.						
their buffer zones and the UNESCO Biosphere Reserve		There will be no direct or indirect loss, deterioration or fragmentation of terrestrial habitats for which these sites have been designated. Marine habitats are assessed in EIAR Chapter 9 Biodiversity (Marine) and the NIS.	displacement of terrestrial protected species, or						
Inland NHAs	National	No impact.	No impact.						
		There will be no direct or indirect loss, deterioration or fragmentation of terrestrial habitats for which terrestrial pNHAs have been designated. pNHAs with marine habitats are assessed in EIAR Chapter 9.	There will be no direct or indirect disturbance to or displacement of terrestrial protected species, or reduction in terrestrial habitat availability to protected species for which any terrestrial pNHA sites have been designated. Impacts on marine species are assessed in EIAR Chapter 9 Biodiversity (Marine) and Chapter 10 Biodiversity (Marine Ornithology) and the NIS.						
NDAs	County	No likely significant impact.	No impact.						
		NDAs have been identified to provide opportunities for habitat improvement. A proposed 20m wayleave through the NDA does not prevent those opportunities arising.	Development Plan for the occurrence of protected						
GS2 grassland	Local importance (higher value)	No impact. The operation of the project will not result in any ongoing impacts to areas of dry meadows and grassy verges.	Not applicable						
GS4 grassland	Local importance (higher value)	No impact. The operation of the project will not result in any ongoing impacts to areas of wet grassland.	Not applicable						
(Mixed) broadleaved woodland, scrub, hedgerows and treelines	Local importance (higher value)	No impact. The operation of the project will not result in any ongoing impacts to areas of (mixed) broadleaved woodland, scrub, hedgerows and treelines.	Not applicable						
Fixed dune habitat at Portmarnock	Local importance (higher value)	No impact. The operation of the project will not result in any ongoing impacts to areas of fixed dune habitat.	Not applicable						
GA1 and GA2 grasslands, spoil and recolonising bare ground, arable crops, horticultural land and tilled land	asslands, importance oil and (lower value) colonising re ground, able crops, rticultural ad and tilled		Not applicable						
Bats	Local importance (higher value)	Not applicable	No likely significant impact. No direct impacts on roosting, commuting or foraging bats.						

Feature	Value	Potential Impacts During Construction Phase							
		Habitat Loss, Deterioration and Fragmentation	Disturbance to or Displacement of Protected Species or Reduction in Habitat Availability						
			routes may be severed by loss of broadleaved woodland, scrub, hedgerows and treelines.						
Farmland birds	Local importance (higher value)	Not applicable	Potentially significant impact. No direct impacts on nests in use, but nesting habitat will be removed during construction. Breeding species will be displaced to adjacent woodland, scrub, hedgerows and treeline habitat.						
Smooth newt	Local importance (higher value)	Not applicable	Potentially significant impact. Direct impacts on ponds used by newts may occur during construction. Species will be displaced to adjacent ponds. Newts may be accidentally harmed in the absence of any special measures. Wildlife offence may occur.						
Otters	Local importance (higher value)	Not applicable	No impact. No direct or indirect impacts on any features identified as being used by otters shall be affected during the Construction Phase.						
Badgers	Local importance (higher value)	Not applicable	Potentially significant impact. Direct impacts on badger setts within the proposed construction corridor will occur during construction. Species will be displaced to adjacent habitat. Badgers may be accidentally harmed in the absence of any special measures. Wildlife offence may occur.						

Table 11.14: Potentially Significant Construction Stage Impacts of the Proposed Project on Terrestrial Biodiversity

Feature	Value	Potential Impacts During Construction Phase						
an bill the second s		Habitat Loss, Deterioration and Fragmentation	Disturbance to or Displacement of Protected Species or Reduction in Habitat Availability					
European Sites, their buffer zones and the UNESCO Biosphere Reserve	International	No impact. There will be no direct or indirect loss, deterioratior or fragmentation of terrestrial habitats for which these sites have been designated.	No impact. There will be no direct or indirect disturbance to or displacement of terrestrial protected species, or reduction in terrestrial habitat availability to protected species for which these sites have been designated. No impact. There will be no direct or indirect disturbance to or displacement of terrestrial protected species, or reduction in terrestrial habitat availability to protected species for which any terrestrial pNHA sites have been designated.					
Inland NHAs	National	No impact. There will be no direct or indirect loss, deterioratior or fragmentation of terrestrial habitats for which terrestrial pNHAs have been designated.						
NDAs		No likely significant impact. The Proposed Project will pass 10m below the NDA at Abbotstown and will partially tunnel through the golf course at Silloge. NDAs have been identified to provide opportunities for habitat improvement. A temporary construction site corridor running through the NDA does not prevent those opportunities arising.	No impact. Not applicable as NDAs are not designated in the Development Plan for the occurrence of protected species					
	(higher value)	No likely significant impact. Direct impact will occur, as areas of dry meadows and grassy verges will be removed during construction.	Not applicable					
GS4 grassland	(higher value)	No likely significant impact. Direct impact will occur, as areas of wet grassland will be removed during construction.	Not applicable					
(Mixed) Local importance broadleaved (higher value) woodland, scrub, hedgerows and treelines			Potentially significant impact. Indirect impact on species will occur, as these habitats are used by protected species to move throughout the wider area and their removal may impede the ability of species to do that throughou construction.					
Fixed dune habitat at Portmarnock	(higher value)	No impact. Construction of the project will avoid this habitat.	Not applicable					
GA1 and GA2 grasslands, spoil and recolonising bare ground, arable crops, horticultural and and tilled land	(lower value)	No likely significant impact. Direct impact will occur, as areas of grasslands, spoil and recolonising bare ground, arable crops, horticultural land and tilled land will be removed during construction.	Not applicable Potentially significant impact. No direct impacts on roosts. Indirect impact on bats may occur as their foraging and commuting					
	Local importance (higher value)							

Table 11.21: Impacts of the Proposed Project in the Absence of Mitigation

			Potential	mpacts During the Construction Phase						Potential Impacts during the Oper Phase		rational	
Aquatic Ecologica Receptor	Location and I Rating		Pollution with Other Substances	Introduction of Invasive Species	Trenchless Crossing	Culvert and Bridge Construction	Construction of Access Roads	Compound Areas	Hydrological Changes	Environmental Incidents and Accidents	Pollution from Pipe Leakage/Spillage of Untreated Wastewater	Pollution from Runoff from Hardstanding Areas	Accidental Spillage of Fuels/Ol/Che micals
ER1	(Location 1) of county		Moderately negative on a local scale, medium-term	Significantly negative on a local scale, long- term	No impact	No impact	Slightly negative on a local scale, short-term	Slightly negative on a local scale, short-term	Moderate, negative on a local scale, permanent	Significantly negative on a local scale, long-term	Slightly negative on a local scale, temporary	Slightly negative on a local scale, temporary	Slightly negative on a local scale, temporary
ER2	of local		Moderately negative on a local scale, medium-term	Significantly negative on a local scale, long- term	Moderately negative on a local scale, short-term	No impact	Slightly negative on a local scale, short-term	Slightly negative on a local scale, short-term	No impact	Significantly negative on a local scale, long-term	Slightly negative on a local scale, temporary	No impact	Slightly negative on a local scale, temporary
ER3	of local		Moderately negative on a local scale, medium-term	Significantly negative on a local scale, long- term	Moderately negative on a local scale, short-term	No impact	Slightly negative on a local scale, short-term	Slightly negative on a local scale, short-term	No impact	Significantly negative on a local scale, long-term	Slightly negative on a local scale, temporary	Slightly negative on a local scale, temporary	Slightly negative on a local scale, temporary
	of local	negative on a local scale, short-term	Moderately negative on a local scale, medium-term	Significantly negative on a local scale, long- term	No impact.	Moderately negative on a local scale, permanent	Slightly negative on a local scale, short-term	No impact	Slight negative on a local scale, permanent	Significantly negative on a local scale, long-term	No impact	Slightly negative on a local scale, temporary	No impact
ER4	Stream (Location 4)	negative on a	Moderately negative on a local scale, medium-term	Significantly negative impact on a local scale, long-term	Moderately negative on a local scale, short-term	No impact	Slightly negative on a local scale, short-term	Slightly negative on a local scale, short-term	Moderate, negative on a local scale, permanent	Significantly negative on a local scale, long-term	Slightly negative on a local scale, temporary	Slightly negative on a local scale, temporary	Slightly negative on a local scale, temporary







Figure 2-2: Manual Transect Routes from Dublin Airport to Portmarnock, 2017