



AQUIND Limited

APPENDIX 16.2

Summary of Ecological Receptors

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APPENDIX 16.2 SUMMARY OF ECOLOGICAL RECEPTORS 1

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APPENDIX 16.2 SUMMARY OF ECOLOGICAL RECEPTORS

1.1.1.1

This appendix summarises the non-statutory designated sites within 1 km of the Proposed Development, the identified ecological receptors and the anticipated effects on these receptors as a result of the Proposed Development.

Table 1 - Non-statutory designated sites within 1 km

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
Adjacent to Farlington Playing Fields SINC PO0010	0, adjacent	Grasslands which have become impoverished through inappropriate management but which retain sufficient elements of relic unimproved grassland to enable recovery. Semi-natural coastal and estuarine habitats, including saltmarsh, intertidal mudflats, sand dunes, shingle, brackish ponds, grazing marsh and maritime grasslands. Notable species: <i>Carex divisa</i> (Divided Sedge) [NR]; <i>Ononis spinosa</i> (Spiny Restharrow) [CS]
Crabdens Copse SINC - EH0066	0, adjacent	Ancient semi-natural woodland
Crabdens Row SINC EH0072	0, adjacent	Ancient semi-natural woodland
East and West of Gillman Road SINC - PO0019	0, partly overlapping	Semi-improved grasslands which retain a significant element of unimproved grassland. Notable species: <i>Petroselinum segetum</i> (Corn Parsley) [CS]; <i>Poa compressa</i> (Flattened Meadow-Grass) [CS]

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
Eastney Beach SINC PO0011	0, partly overlapping	<p>Semi-natural coastal and estuarine habitats, including saltmarsh, intertidal mudflats, sand dunes, shingle, brackish ponds, grazing marsh and maritime grasslands. Notable species: <i>Calystegia soldanella</i> (Sea Bindweed) [RDB]; <i>Honckenya peploides</i> (Sea Sandwort) [CS]; <i>Raphanus raphanistrum</i> subsp. <i>maritimus</i> (Sea Radish) [CS]; <i>Rosa spinosissima</i> (Burnet Rose) [CS]; <i>Sedum anglicum</i> (English Stonecrop) [nHR]; <i>Silene nutans</i> (Nottingham Catchfly)</p> <p>Sites of nature conservation interest which occur in areas otherwise deficient in such interest, and/or are known to be of particularly high value to local communities e.g. community wildlife sites.</p>
Farlington Avenue SINC, RVEI PO0026 RV192	0, partly overlapping	Semi-improved grasslands which retain a significant element of unimproved grassland. Notable species: <i>Raphanus raphanistrum</i> ssp. <i>Maritimum</i> (Sea Radish CS)
Field to West of Gillman Road SINC - PO0025	0, partly overlapping	Semi-improved grasslands which retain a significant element of unimproved grassland
Fort Cumberland SINC PO0018	0, adjacent	Agriculturally unimproved grassland. Semi-improved grasslands which retain a significant element of unimproved grassland Notable species: <i>Poa compressa</i> (Flattened Meadow-Grass) [CS]; <i>Raphanus raphanistrum</i> <i>maritimus</i> (Sea Radish) [CS]; <i>Salvia verbenaca</i> (Wild Clary) [CR]; <i>Silene nutans</i> (Nottingham Catchfly) [CR]; <i>Spiranthes spiralis</i> (Autumn Lady's-Tresses) [NI]
Golf Course North of Burrfields Road SINC	0, partly overlapping	Semi-improved grasslands which retain a significant element of unimproved grassland. Grasslands which have become impoverished through inappropriate

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
PO0016		management but which retain sufficient elements of relic unimproved grassland to enable recovery. Semi-natural coastal and estuarine habitats, including saltmarsh, intertidal mudflats, sand dunes, shingle, brackish ponds, grazing marsh and maritime grasslands. Fens, flushes, seepages, springs, inundation grasslands etc, that support a flora and fauna characteristic of unimproved and waterlogged (seasonal or permanent) conditions. Sites which support one or more notable species: <i>Chamaemelum nobile</i> (Chamomile) [s41]; <i>Ononis spinosa</i> (Spiny Restharrow) [CS]
Great Salterns Lake SINC PO0008	0, adjacent	Semi-natural coastal and estuarine habitats, including saltmarsh, intertidal mudflats, sand dunes, shingle, brackish ponds, grazing marsh and maritime grasslands. Areas of open freshwater (e.g. lakes, ponds, canals, rivers, streams and ditches) which support outstanding assemblages of floating/submerged/emergent plant species, invertebrates, birds or amphibians. Notable species: <i>Apium graveolens</i> (Wild Celery) [CS]
Kings Pond Meadow SINC - WC0642	0, partly overlapping	Semi-improved grasslands which retain a significant element of unimproved grassland
Land to the north of Portsdown Hill Road SINC - PO0009	0, adjacent	Semi-improved grasslands which retain a significant element of unimproved grassland. Grasslands which have become impoverished through inappropriate management but which retain sufficient elements of relic unimproved grassland to enable recovery. Notable species: <i>Cupido minimus</i> (Small Blue) [CS]; <i>Spiranthes spiralis</i> (Autumn Lady's-Tresses) [NI]

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
Land to the south of Portsdown Hill Road SINC - PO0004	0, adjacent	Agriculturally unimproved grasslands. Semi-improved grasslands which retain a significant element of unimproved grassland.
Land West of Fort Cumberland SINC PO0013	0, adjacent	Semi-improved grasslands which retain a significant element of unimproved grassland. Semi-natural coastal and estuarine habitats, including saltmarsh, intertidal mudflats, sand dunes, shingle, brackish ponds, grazing marsh and maritime grasslands. Sites which support one or more notable species. Sites of nature conservation interest which occur in areas otherwise deficient in such interest, and/or are known to be of particularly high value to local communities e.g. community wildlife sites. <i>Lepidium latifolium</i> (Dittander) [CI]; <i>Raphanus raphanistrum</i> subsp. <i>maritimus</i> (Sea Radish) [CS]; <i>Spiranthes spiralis</i> (Autumn Lady's-Tresses) [NI]
London Road Fen SINC - HV0001	0, partly overlapping	Other semi-natural woodland. Fens, flushes, seepages, springs, inundation grasslands etc. that supports a flora and fauna characteristic of unimproved and waterlogged (seasonal or permanent) conditions.
Meadow west of Farlington Avenue SINC - PO0006	0, partly overlapping	Grasslands which have become impoverished through inappropriate management but which retain sufficient elements of relic unimproved grassland to enable recovery
Melville Road verge SINC, RVEI PO0012 - RV192	0, partly overlapping	Notable species: <i>Raphanus raphanistrum</i> <i>maritimus</i> (Sea Radish) [CS]

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
Milton Common SINC - PO0007	0, partly overlapping	Grasslands which have become impoverished through inappropriate management but which retain sufficient elements of relic unimproved grassland to enable recovery; Semi-natural coastal and estuarine habitats, including saltmarsh, intertidal mudflats, sand dunes, shingle, brackish ponds, grazing marsh and maritime grasslands; Fens, flushes, seepages, springs, inundation grasslands etc. that support a flora and fauna characteristic of unimproved and waterlogged (seasonal or permanent) conditions; Sites which support one or more notable species; and Sites of nature conservation interest which occur in areas otherwise deficient in such interest, and/or are known to be of particularly high value to local communities e.g. community wildlife sites. Various notable species inc: <i>Lathyrus aphaca</i> (Yellow Vetchling) [NR]; <i>Medicago polymorpha</i> (Toothed Medick) [NS]; <i>Bupleurum tenuissimum</i> (Slender Hair's Ear) [s41] and <i>Calamagrostis canescens</i> (Purple Small-Reed) [CR].
Milton Locks SINC PO0017	0, partly overlapping	Semi-natural coastal and estuarine habitats, including saltmarsh, intertidal mudflats, sand dunes, shingle, brackish ponds, grazing marsh and maritime grasslands. Sites of nature conservation interest which occur in areas otherwise deficient in such interest, and/or are known to be of particularly high value to local community wildlife sites.
Anmore Dell Meadow SINC - WC0648	21	Agriculturally unimproved grassland. Notable species: <i>Bromus racemosus</i> (Smooth Brome) [CS]
Farlington Marshes SINC	50	Semi-improved grasslands which retain a significant element of unimproved grassland. Notable species: <i>Apium graveolens</i> (Wild Celery) [nHS]; <i>Carex divisa</i>

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
PO0027		(Divided Sedge) [s41]; <i>Hordeum marinum</i> (Sea Barley) [s41]; <i>Inula crithmoides</i> (Golden-Samphire) [NS]; <i>Lotus tenuis</i> (Narrow-Lvd Bird's-Foot-Trefoil) [nHR]; <i>Oenanthe lachenalii</i> (Parsley Water-Dropwort) [CS] Sites which support an outstanding assemblage of species.
Marrelsmoor Coppice SINC - WC0647	67	Ancient semi-natural woodland. Notable species: <i>Muscardinus avellanarius</i> (Dormouse) [Ann4]
Portsmouth Golf Course West SINC - HV0002	80	Semi-improved grasslands which retain a significant element of unimproved grassland
Fort Purbrook SINC HV0003	82	Agriculturally unimproved grasslands Notable species: <i>Onobrychis viciifolia</i> (Sainfoin) [NI]; <i>Spiranthes spiralis</i> (Autumn Lady's-Tresses) [NI]
Fort Purbrook Paddock 1 (Havant) SINC - HV0006	108	Semi-improved grasslands which retain a significant element of unimproved grassland Notable species: <i>Cupido minimus</i> (Small Blue) [CS]; <i>Spiranthes spiralis</i> (Autumn Lady's-Tresses) [NI]
Piper's Hill Wood SINC WC0638	133	Ancient semi-natural woodlands

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
B2177 Portsdown Hill Road RVEI - RV069	160	Notable species: <i>Anacamptis pyramidalis</i> (Pyramidal Orchid), <i>Echium vulgare</i> (Viper's-bugloss)
Fort Purbrook Paddock 2 (Havant) SINC - HV0007	191	Semi-improved grasslands which retain a significant element of unimproved grassland. Notable species: <i>Spiranthes spiralis</i> (Autumn Lady's-Tresses) [NI]
Newlands Row & Plant Row SINC - WC0646	201	Ancient semi-natural woodlands. Notable species: <i>Muscardinus avellanarius</i> (Dormouse) [Ann4]
Newlands Farm Meadow SINC - WC0645	233	Semi-improved grasslands which retain a significant element of unimproved grassland
Fort Widley and Surrounds SINC	242	Semi-improved grasslands which retain a significant element of unimproved grassland. Grasslands which have become impoverished through inappropriate management but which retain sufficient elements of relic unimproved grasslands to enable recovery. Notable species: <i>Arabis hirsuta</i> (Hairy Rock-Cress) [CS]; <i>Cupido minimus</i> (Small Blue) [CS]; <i>Onobrychis viciifolia</i> (Sainfoin) [NI]
Portsmouth Golf Course East SINC - HV0011	250	Semi-improved grasslands which retain a significant element of unimproved grassland.

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
		Grasslands which have become impoverished through inappropriate management but which retain sufficient elements of relic unimproved grassland to enable recovery.
Marrelsmoor Row SINC WC0644	259	Ancient semi-natural woodlands
Great Salterns SINC PO0005	283	Sites of nature conservation interest which occur in areas otherwise deficient in such interest, and/or are known to be of particularly high value to local communities e.g. community wildlife sites. Notable species: <i>Eupithecia millefoliata</i> (Yarrow Pug) [NS]
Hilsea Lines SINC - PO0003	285	Semi-improved grasslands which retain a significant element of unimproved grassland. Semi-natural coastal and estuarine habitats, including saltmarsh, intertidal mudflats, sand dunes, shingle, brackish ponds, grazing marsh and maritime grasslands. Areas of open freshwater (e.g. lakes, ponds, canals, rivers, streams and ditches) which support outstanding assemblages of floating/submerged/emergent plant species, invertebrates, birds or amphibians. Sites which support one or more notable species. Sites of nature conservation interest which occur in areas otherwise deficient in such interest, and/or are known to be of particularly high value to local communities e.g. community wildlife sites. Various notable species inc: <i>Bupleurum tenuissimum</i> (Slender Hair's Ear) [NR]; <i>Carex divisa</i> (Divided Sedge)

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
		[NR]; <i>Inula crithmoides</i> (Golden-Samphire) [NS]; <i>Ononis spinosa</i> (Spiny Restharrow) [CS]; <i>Poa compressa</i> (Flattened Meadow-Grass) [CS]
Fort Purbrook Paddock 3 (Havant) SINC - HV0143	351	Semi-improved grasslands which retain a significant element of unimproved grassland.
Alsfordmoor Coppice SINC - WC0641	384	Other woodland where there is a significant element of ancient semi-natural woodland surviving. Other semi-natural woodland if they comprise important community types of restricted distribution in the County, such as yew woods and alder swamp woods. Notable species: <i>Muscardinus avellanarius</i> (Dormouse) [Ann4]
Purbrook Park Wood SINC - HV0004	417	Ancient semi-natural woodlands
Baffins Pond SINC PO0028	421	Areas of open freshwater (e.g. lakes, ponds, canals, rivers, streams and ditches) which support outstanding assemblages of floating/submerged/emergent plant species, invertebrates, birds or amphibians; Sites which support one or more notable species; Sites of nature conservation interest which occur in areas otherwise deficient in such interest, and/or are known to be of particularly high value to local communities e.g. community wildlife sites.
Stakes Coppice Remnant 1 SINC	452	Other woodland where there is a significant element of ancient semi-natural woodland surviving.

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
HV0009		Sites of nature conservation interest which occur in areas otherwise deficient in such interest, and/or are known to be of particularly high value to local communities e.g. community wildlife sites.
Purbrook Heath SINC WC0640	463	Agriculturally unimproved grasslands. Notable species: <i>Muscardinus avellanarius</i> (Dormouse) [Ann4]
Aldermoor Meadow Part SINC	477	Fens, flushes, seepages, springs, inundation grasslands etc. that support a flora and fauna characteristic of unimproved and waterlogged (seasonal or permanent) conditions.
James' Copse Paddock SINC - EH0086	505	Agriculturally unimproved grasslands
Rabbit Copse, Horndean SINC - EH0092	507	Ancient semi-natural woodland
Fort Purbrook Paddock 4 (Havant) SINC - HV0142	512	Semi-improved grasslands which retain a significant element of unimproved grassland.
James' Copse & Outlier SINCEH0091	618	Ancient semi-natural woodland. Notable species: <i>Luzula sylvatica</i> (Great Wood-Rush) [CS]

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
Sandy and Alder Moor Coppices SINC	636	Ancient semi-natural woodlands
Frank's Coppice SINC	689	Other woodland where there is a significant element of ancient semi-natural woodland surviving.
Sandy Dell SINC HV0005	743	Ancient semi-natural woodlands
Creech Walk East SINC	756	Pasture woodland and wooded commons, not included in any of the above, which are of considerable biological and historical interest. Area of heathland which are afforested or have succeeded to woodland if; they retain significant remnants of heathland vegetation which would enable their recovery.
Field East of Farlington Redoubt (North) SINC	764	Grasslands which have become impoverished through inappropriate management but which retain sufficient elements of relic unimproved grassland to enable recovery.
Park Wood, Havant SINC HV0012	769	Ancient semi-natural woodlands
Pitt Hill Lane Hedge SINC	836	Ancient semi-natural woodlands

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
Steane Copse SINC WC0625	837	Ancient semi-natural woodlands
Newlease Copse, Havant SINC - HV0010	838	Ancient semi-natural woodlands
Prews Hanger SINC EH0078	906	Ancient semi-natural woodlands
The Queen's Inclosure SINC - HV0032	907	Ancient semi-natural woodlands
Stakes Coppice Remnant 2 SINC - HV0015	908	Other woodland where there is a significant element of ancient semi-natural woodland surviving.
Stakes Coppice Remnant 4 SINC - HV0021	940	Other woodland where there is a significant element of ancient semi-natural woodland surviving.
The Kench Beach (East) SINC - HV0144	945	Semi-natural coastal and estuarine habitats, including saltmarsh, intertidal mudflats, sand dunes, shingle, brackish ponds, grazing marsh and maritime grasslands.

Site Name, Designation and reference	Distance (m) from Proposed Development	Habitats Present and notable species
		Notable species: <i>Ammophila arenaria</i> (Marram) [CS]; <i>Inula crithmoides</i> (Golden-Samphire) [NS]; <i>Raphanus raphanistrum maritimus</i> (Sea Radish) [CS]
Widley Walk Meadow SINC	996	Agriculturally unimproved grasslands
Yoells Copse SINC EH0111	967	Ancient semi-natural woodland
Outhurst/Inhurst/ Beech Woods SINC	998	Ancient semi-natural woodlands

Table 2– Summary of Ecological Receptors

Ecological Receptor	Geographical Scale of Importance	Justification
Chichester and Langstone Harbours SPA/Ramsar	International	The site supports breeding and wintering bird populations of European Importance of several species listed on Annex 1 of the EU Birds Directive. The site is partly overlapping to the Proposed Development Site Boundary (along the Cable route).
Solent Maritime SAC	International	The site contains habitat types listed in Annex 1 of the Habitats Directive. The site is partly overlapping to the Proposed Development Site Boundary (along the Cable route).
Solent and Dorset Coast pSPA	International	The site supports breeding bird populations of European Importance of several species listed on Annex 1 of the EU Birds Directive. The site is partly overlapping to the Proposed Development Site Boundary (along the Cable route).
Langstone Harbour SSSI	National	The site meets criteria for a SSSI, including 38 notified features. The site is partly overlapping to the Proposed Development Site Boundary (along the Cable route). Overlaps with Chichester and Langstone Harbour SPA/Ramsar, LNR
The Solent Waders and Brent Goose Strategy (SWBGS)	International	Sites are considered Functionally Linked Land to designated sites. Several sites overlap with SINCs in Portsmouth

Adjacent to Farlington Playing Fields SINC	County	Habitats and species considered to be of county importance. The site supports notable plant species including diverted sedge <i>Carex divisa</i> and spiny retharrow <i>Ononis spinose</i> . The Proposed Scheme's Site Boundary (along the Cable route) borders this SINC.
Crabdens Copse SINC	National	The site supports ancient woodland. The SINC is situated adjacent to the Converter Station location.
Crabdens Row SINC	National	The site supports ancient woodland. The SINC is situated adjacent to the Converter Station location.
East and West of Gillman Road SINC	County	Semi-improved grassland and notable species considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).
Eastney Beach SINC	County	Coastal habitats and notable species considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (landfall, section 10).
Farlington Avenue SINC, RVEI	County	Semi-improved grassland and notable species considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).
Field to West of Gillman Road	County	Semi-improved grassland considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).

Fort Cumberland SINC	County	Semi-improved grassland and notable species considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).
Golf Course North of Burrfields Road SINC	County	Semi-improved grassland, coastal habitat and notable species considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route) .
Great Salterns Lake SINC	County	Coastal habitat and notable species considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).
Kings Pond Meadow SINC	National	Semi-improved grassland considered of county importance. This SINC falls within the Proposed Development Site Boundary (along Cable route), and the cable route runs through this SINC.
Land to the north of Portsdown Hill Road SINC	County	Semi-improved grassland and notable species considered of county importance. This SINC borders the Proposed Development Site Boundary (along Cable route).
Land to the South of Portsdown Hill Road SINC	County	Semi-improved grassland considered of county importance. This SINC borders the Proposed Development Site Boundary (along Cable route).
Land West of Fort	County	Habitats and species considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).

Cumberland SINC		
London Road Fen SINC	County	Habitats considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).
Meadow west of Farlington Avenue SINC	County	Habitats considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).
Melville Road verge SINC, RVEI	County	Species considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).
Milton Locks Local Wildlife Site	County	Habitats considered of county importance. This designated site falls within the Site Boundary of the Proposed Development (along Cable route).
Milton Common SINC	County	Habitats and species considered of county importance. This SINC falls within the Site Boundary of the Proposed Development (along Cable route).
Unimproved neutral grassland – Denmead Meadows	Up to National	Considered may be worthy of SSSI standard. This area falls within the Site Boundary of the Proposed Development (along Cable route).
Semi-improved neutral grassland	Local	Present within a largely arable landscape along the Cable route of the Proposed Development.

Hedgerows	To be confirmed	The Hedgerow Regulations 1997 protect “important” hedgerows from removal.
Mature trees	Local	Native, mature ash and oak, common within the local landscape.
Water bodies	To be confirmed	Ponds are listed under Section 41 of the NERC Act, North Purbrook Stream, a statutory water course is present in Section 3.
Badger	Local	Badgers are present around the Converter Station and are protected under the Protection of Badgers Act 1992.
Bats	To be confirmed	All bat species are listed in Annex II of the Habitats Directive. Noctule, soprano pipistrelle and brown long-eared bats are UK BAP Priority Species.
Breeding birds	Up to County	Several bird species recorded showing breeding behaviour including Section 41 species such as skylark and linnet.
GCN	To be confirmed	GCN are protected through inclusion in the Habitats Regulations. They are an EPS and as such any development works which could affect an EPS may require a licence from NE to comply with the Habitats Regulations. GCN are also included in Schedule 5 of the WCA 1981. This species is further highlighted as a Priority Species of the UK BAP.
Hazel dormouse	To be confirmed	Hazel dormouse are protected through inclusion in the Habitats Regulations. They are an EPS and as such any development works which could affect an EPS may require a licence from NE to comply with the Habitats Regulations. This species is further highlighted as a Priority Species of the UK BAP.
Reptiles	Local	Adder, grass snake, common lizard and slow-worm are protected through part of Section 9 (1 and 5) of the Wildlife & Countryside Act 1981 (as amended).

Terrestrial Invertebrates	County – stag beetles	Stag beetle are protected through inclusion in the Habitats Regulations.
Wintering and migratory birds (Brent geese and waders)	International	Several wintering and migratory bird species are protected under the Habitats Regulations and/or are Priority Species and are features as part of Langstone Harbour SPA/Ramsar.
Schedule 9 species	Negligible	It is an offence to carry out activities that would cause the growth of a Schedule 9 Wildlife and Countryside Act 1981 species in the wild.

Table 3 – Summary of Effects on Non-Statutory Designated Sites

Site	Effects of the Proposed Development	Significance - Construction/Decommissioning	Significance-Operation
East and West Gillman Road SINC	One of the route options under consideration would involve temporary land take at this SINC	Slight, adverse	Negligible
Eastney Beach SINC	This site is within the Site Boundary, but would not likely be impacted, due to an HDD being planned underneath this site.	Negligible	Negligible
Farlington Avenue SINC, RVEI	This site is within the Site Boundary, but it is not planned that there would be land take within this site.	Negligible	Negligible
Field to West of Gillman Road SINC	One of the options under consideration would involve temporary land take at this SINC.	Slight adverse	Negligible
Golf Course North of Burrfields Road SINC	A small south-eastern section of this SINC is within the Site Boundary and could involve temporary land take within this site.	Slight adverse	Negligible
Kings Pond Meadow SINC	This SINC is within the Site Boundary, but would not likely be impacted, due to an HDD being planned underneath this site.	Negligible	Negligible
London Road Fen SINC	A small area at the north of this SINC is within the Site Boundary, but no land take is intended in this site.	Negligible	Negligible

Meadow West of Farlington Avenue SINC	A small area at the northern end of this SINC is within the Site Boundary and a small area of temporary land take is possible in this site.	Minor adverse	Negligible
Melville Road Verge SINC, RVEI	A small section of this SINC/RVEI is within the Site Boundary, but no land take is intended in this site.	Negligible	Negligible
Milton Common SINC	Two possible routes are being considered through Milton Common SINC, these would involve temporary land take.	Minor adverse	Negligible
Milton Locks SINC	Most of this site is within the Site Boundary, but no land take is intended for this site. HDD is planned for the car park here and the route would exit through the road.	Negligible	Negligible
Brent Goose Strategy Sites	There are ten Brent goose strategy sites partly overlapping the Site Boundary. Others are presently adjacent to the Site Boundary. Assuming a winter restriction to works at these sites it is considered that any impacts would be avoided.	Negligible	Negligible

Table 4 – Summary of effects on Ecological Receptors

Species	Effects of the Proposed Development	Significance - Construction/Decommissioning	Significance - Operation
Breeding birds	All trees and hedgerows that would be removed could be suitable for use by breeding birds	Minor adverse	Negligible
Badger	The Proposed Development could affect badger foraging. No impact on identified setts is planned.	Minor or negligible adverse	Negligible
Bats	The Proposed Development may affect trees with bat potential. Current surveys have not confirmed a bat roost. The Proposed Development may disturb foraging and commuting bats during construction. The proposed converter station may disturb foraging and commuting bats during operation, due to noise and light.	To be confirmed	To be confirmed
GCN	Temporary land take will affect suitable GCN terrestrial habitat.	To be confirmed	To be confirmed
Hazel dormouse	Temporary and permanent land take will affect suitable hazel dormouse habitat	To be confirmed	To be confirmed
Terrestrial Invertebrates	Temporary and permanent land take will affect habitat suitable for invertebrates	Minor or negligible adverse	Negligible
Wintering and migratory birds	Brent geese and other wintering birds use Brent Goose Strategy Sites. Construction would cause temporary land take of a limited	Minor adverse	Negligible

	number of these sites and has the potential to cause disturbance through noise and lighting. Carrying out the works in key locations in Portsmouth outside of the wintering bird season (October – March) where possible		
Reptiles	Temporary and permanent land take will affect suitable reptile habitat	Minor or negligible adverse	Negligible
Schedule 9 Invasive Species	Measure are required by law to control the spread of these species	Negligible	Negligible