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Environmental Statement – Volume 3 – Appendix 21.5 Heritage and Archaeology Residual Effects Tables

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Regulation 5(2)(a)

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

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APPENDIX 21.5 HERITAGE AND ARCHAEOLOGY RESIDUAL EFFECTS TABLES

1.1. TABLE 1 – PREDICTED CONSTRUCTION STAGE RESIDUAL EFFECTS (FOLLOWING MITIGATION)

Table 1 – Predicted Construction Stage Residual Effects (Following Mitigation)

Route Section	Receptor (Heritage Asset)	Significance of effect (prior to mitigation)	Proposed Mitigation	Residual effect (following mitigation)
1	Prehistoric activity in the form of isolated pits and enclosure ditches with possibility for burials	Major or Moderate Adverse	Strategy 1: Greenfield area evaluation and mitigation; Geophysical survey carried out in 2019 to be followed by trial trenching to inform appropriate mitigation strategy. Subsequent Mitigation could take the form of a targeted archaeological excavation (preservation by record) well in advance of the commencement of ground works and/or an archaeological watching brief (a programme of 'strip, map and sample) carried out alongside the preliminary topsoil removal.	**Negligible**
	Roman settlement activity	Major or Moderate Adverse		**Negligible**

	Early Medieval activity	Uncertain (Moderate or Major Adverse)		**Negligible**
	Cropmark evidence of a later medieval field systems visible as cropmarks or ridge and furrow cultivation	Moderate or Minor Adverse	Although rare, where archaeological remains of very high (national) significance are identified, there may be a requirement, where feasible, for their preservation in situ, i.e. through modifications to the design, e.g. modification in design of foundations and formation levels, or avoidance in the adjustment of the position of the line of the Onshore Cable Route.	**Negligible**
2	Prehistoric activity	Major or Moderate Adverse	**Strategy 1**: Greenfield area evaluation and mitigation; Geophysical survey carried out in 2019 to be followed by trial trenching to inform appropriate mitigation strategy.	**Negligible**
	Roman activity	Major or Moderate Adverse	Subsequent Mitigation could take the form of a targeted archaeological excavation (preservation by record) well in advance of the commencement of ground works and/or an archaeological watching brief (a programme of 'strip, map and sample) carried out alongside the preliminary topsoil removal.	**Negligible**
	Early Medieval activity	Uncertain (Moderate or Major Adverse)	Although rare, where archaeological remains of very high (national) significance are identified, there may be a	**Negligible**

			requirement, where feasible, for their preservation in situ, i.e. through modifications to the design, e.g. modification in design of foundations and formation levels, or avoidance in the adjustment of the position of the line of the Onshore Cable Route.	
3	Prehistoric activity	Major or Moderate Adverse	Kings Pond Meadows – **Strategy 1**: Greenfield area evaluation and mitigation OR JBs and TJBs – **Strategy 2**: Brownfield area evaluation and mitigation	**Negligible**
	Roman activity	Major or Moderate Adverse		**Negligible**
	Early Medieval activity	Uncertain (Moderate or Major Adverse)		**Negligible**
4	Prehistoric activity, in particular Iron Age settlement remains (particularly at Portsdown Hill)	Minor, Moderate or Major Adverse	JBs and TJBs – **Strategy 2**: Brownfield area evaluation and mitigation (where suitable and feasible) Elsewhere – **Strategy 3**: Brownfield area mitigation (watching brief) of the cable trench in sensitive areas	**Negligible**

	Roman settlement activity and remains of Roman road	Moderate or Major Adverse		**Negligible**
	Early medieval burials	Moderate Adverse		**Negligible**
6	Palaeoenvironmental remains (Raised Marine Deposits)	Minor adverse	Where feasible, paleoenvironmental sampling during watching brief, where clear potential has been identified. This might include proposed disturbance in coastal alluvial/fluvial zones adjacent to Langstone Harbour and in areas of raised marine deposits, where they would be affected.	**Negligible**
	Roman remains	Uncertain (Minor, Moderate of Major adverse)	**Strategy 2**: Brownfield area evaluation and mitigation, JBs and HDD compounds **Strategy 3**: Brownfield area mitigation of the cable trench in sensitive areas, watching brief.	**Negligible**
7	Palaeoenvironmental remains (Raised Marine Deposits)	Minor Adverse	Where feasible, paleoenvironmental sampling during watching brief, where clear potential has been identified. This might include proposed disturbance in coastal alluvial/fluvial zones adjacent to Langstone Harbour and in areas of raised marine deposits, where they would be affected.	**Negligible**

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	Prehistoric activity relating to exploitation of intertidal resources	Minor or Moderate Adverse	**Strategy 2**: Brownfield area evaluation and mitigation, JBs and HDD compounds **Strategy 3**: Brownfield area mitigation of the cable trench in sensitive areas, watching brief.	**Negligible**
	Roman activity	Minor or Moderate Adverse		**Negligible**
				Negligible
8	Palaeoenvironmental remains	Minor Adverse	Paleoenvironmental sampling during watching brief, where clear potential has been identified. This might include proposed disturbance in coastal alluvial/fluvial zones adjacent to Langstone Harbour and in areas of raised marine deposits, where they would be affected.	**Negligible**
	Prehistoric activity relating to exploitation if intertidal resources.	Minor, Moderate or Major Adverse	**Strategy 2**: Brownfield area evaluation and mitigation, JBs and TJBs; **Strategy 3**: Brownfield area mitigation of the cable trench in sensitive areas, watching brief.	**Negligible**
	Roman activity	Minor to Moderate Adverse		**Negligible**

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9	Palaeoenvironmental remains	Minor Adverse	Paleoenvironmental sampling during watching brief, where clear potential has been identified. This might include proposed disturbance in coastal alluvial/fluvial zones adjacent to Langstone Harbour and in areas of raised marine deposits, where they would be affected.	**Negligible**
	Prehistoric activity relating to exploitation if intertidal resources.	Minor, Moderate or Major Adverse	**Strategy 2**: Brownfield area evaluation and mitigation, JBs and TJBs; **Strategy 3**: Brownfield area mitigation of the cable trench in sensitive areas, watching brief.	**Negligible**
	Below ground remains associated with the early 19th century Portsmouth and Arundel Canal	Minor or Moderate Adverse		**Negligible**
10	Palaeoenvironmental remains	Minor Adverse	Paleoenvironmental sampling carried out during watching brief, where clear potential has been identified. This might include proposed disturbance in coastal alluvial/fluvial zones adjacent to Langstone Harbour and in areas of raised marine deposits, where they would be affected.	**Negligible**
	Prehistoric activity relating to	Minor, Moderate or	**Strategy 2**: Brownfield area evaluation and mitigation, JBs and TJBs;	**Negligible**

	exploitation if intertidal resources.	Major Adverse	**Strategy 3**: Brownfield area mitigation of the cable trench in sensitive areas, watching brief.	
	Roman activity	Minor or Moderate Adverse		**Negligible**

1.2. TABLE 2 – PREDICTED OPERATIONAL STAGE ENVIRONMENTAL EFFECTS (FOLLOWING MITIGATION)

Table 2 - Predicted Operational Stage Environmental Effects (Following Mitigation)

Route Section	Receptor (Heritage Asset)	Significance of effect (prior to mitigation)	Proposed Mitigation	Residual effect (following mitigation)
1	Scotland (Cottage)(**A117**)	Minor Adverse	Embedded mitigation measures have been incorporated into the Proposed Development in the form of landscape planting on the northern boundary of the Proposed Converter Station. The mitigation design includes proposed native mixed woodland (up to 25 m) along the northern edge of the Site boundary along with a line of native hedgerow approximately 80 m north of the Proposed Converter Station. Mitigation planting, along with the proposed siting of the Proposed Converter Station (to be cut into a natural slope) will reduce	Offset, but remains **Minor Adverse**.

			potential views of the Proposed Development and will in effect, offset the minor adverse effect. As such no additional mitigation measures are proposed.	