



AQUIND Limited

APPENDIX 20.3

Residual Effects Table

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APPENDIX 20.3 HERITAGE AND ARCHAEOLOGY PREDICTED RESIDUAL EFFECT TABLES

1.1 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 and possibly burials	Major or Moderate Negative	Strategy 1: Greenfield area evaluation and mitigation; geophysical survey followed by trial trenching to inform appropriate mitigation strategy.	Negligible
	Roman settlement activity	Major or Moderate Negative	<i>Mitigation would likely then 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. If no remains are found during the evaluation, further work may not be necessary.</i>	Negligible
	Medieval/Post medieval agricultural features	Moderate or Minor Negative		Negligible
2	Prehistoric activity	Major or Moderate Negative	<i>Although rare, where archaeological remains of very high (national) significance are identified, there may be a requirement, where feasible, for their preservation in</i>	Negligible

Route Section	Receptor (Heritage Asset)	Significance of effect (prior to mitigation)	Proposed Mitigation	Residual effect (following mitigation)
	Roman activity	Major or Moderate Negative	<i>situ, i.e. through modifications to the design, e.g. modification in design of foundations and formation levels for the Converter Station, or avoidance in the adjustment of the position of the Converter Station and/or the line of the Cable Route.</i>	Negligible
3	Prehistoric activity	Major or Moderate Negative	Option 3a) Kings Pond Meadows – Strategy 1: Greenfield area evaluation and mitigation	Negligible
	Roman activity	Uncertain, possibly low to moderate	Option 3b) Highways Route – Strategy 2 and 3: Strategy 2: Brownfield area evaluation and mitigation, Joint Bays and TJBs; Strategy 3: Brownfield area mitigation of the cable trench, watching brief.	Negligible
4	Prehistoric activity, in particular Iron Age settlement	Minor or Moderate or Major Negative	Strategy 1: For Greenfield areas evaluation and mitigation; geophysical survey followed by trial trenching to inform appropriate mitigation strategy. OR	Negligible
	Roman settlement activity and	Moderate or Major Negative		Negligible

Route Section	Receptor (Heritage Asset)	Significance of effect (prior to mitigation)	Proposed Mitigation	Residual effect (following mitigation)
	remains of Roman road		Strategy 2: Brownfield area evaluation and mitigation, Joint Bays and TJBs; Strategy 3: Brownfield area mitigation of the cable trench, watching brief.	
	Early medieval burials	Moderate or Major Negative		Negligible
5	Prehistoric activity	Moderate or Major Negative	Strategy 1: For Greenfield areas evaluation and mitigation; geophysical survey followed by trial trenching to inform appropriate mitigation strategy. OR Strategy 2: Brownfield area evaluation and mitigation, Joint Bays and TJBs; Strategy 3: Brownfield area mitigation of the cable trench, watching brief.	Negligible
	Roman activity	Moderate or Major Negative		Negligible
6	Prehistoric activity	Minor or Moderate Negative	Strategy 2: Brownfield area evaluation and mitigation, Joint Bays and TJBs; Strategy 3: Brownfield area mitigation of the cable trench, watching brief.	Negligible

Route Section	Receptor (Heritage Asset)	Significance of effect (prior to mitigation)	Proposed Mitigation	Residual effect (following mitigation)
	Roman activity	Minor or Moderate Negative		Negligible
7	Palaeoenvironmental remains	Minor Negative	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. Strategy 2: Brownfield area evaluation and mitigation, Joint Bays and TJBs; Strategy 3: Brownfield area mitigation of the cable trench, watching brief.	Negligible
	Prehistoric activity	Minor or Moderate Negative		Negligible
	Roman activity	Minor or Moderate Negative		Negligible
				Negligible
8	Palaeoenvironmental remains	Minor	Paleoenvironmental sampling during watching brief, where clear potential has been identified. This might include proposed disturbance in coastal alluvial/fluvial	Negligible

Route Section	Receptor (Heritage Asset)	Significance of effect (prior to mitigation)	Proposed Mitigation	Residual effect (following mitigation)
			zones adjacent to Langstone Harbour and in areas of raised marine deposits, where they would be affected.	
	Prehistoric activity relating to exploitation if intertidal resources.	Minor, Moderate or Major Negative	Strategy 2: Brownfield area evaluation and mitigation, Joint Bays and TJBs; Strategy 3: Brownfield area mitigation of the cable trench, watching brief.	Negligible
	Roman activity	Minor to Moderate Negative		Negligible
9	Palaeoenvironmental remains	Minor Negative	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 Negative	Strategy 2: Brownfield area evaluation and mitigation, Joint Bays and TJBs; Strategy 3: Brownfield area mitigation of the cable trench, watching brief.	Negligible

Route Section	Receptor (Heritage Asset)	Significance of effect (prior to mitigation)	Proposed Mitigation	Residual effect (following mitigation)
	Below ground remains associated with the early 19th century Portsmouth and Arundel Canal	Minor or Moderate Negative		Negligible
10	Palaeoenvironmental remains	Minor Negative	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 exploitation of intertidal resources.	Minor, Moderate or Major Negative	Strategy 2: Brownfield area evaluation and mitigation, Joint Bays and TJBs; Strategy 3: Brownfield area mitigation of the cable trench, watching brief.	Negligible
	Roman activity	Minor or Moderate Negative		Negligible

1.2 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 (A117)	Minor Negative	As well as the existing mitigation measures which are included in the Proposed Development plans additional mitigation, in the form of new planting, is recommended to reduce the potential views of the Converter Station. These should be particularly focused in the direction of Scotland (cottage), the one above ground asset with potential impacts, i.e. on the northern side of the Converter Station.	Negligible