



**RWE Renewables UK Dogger Bank
South (West) Limited**

**RWE Renewables UK Dogger Bank
South (East) Limited**

**Dogger Bank South Offshore
Wind Farms**

**Phase 2 2024 Archaeological Trial Trenching
Technical Note (Revision 2)**

Submission at previous Draft Deadline 1

Document Date: November 2024

Document Reference: 10.12

Revision Number: 02

Classification: Unrestricted



Company:	RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited	Asset:	Development		
Project:	Dogger Bank South Offshore Wind Farms	Sub Project/Package	Consents		
Document Title or Description:	Phase 2 2024 Archaeological Trial Trenching Technical Note (Revision 2)				
Document Number:	005403442-02	Contractor Reference Number:	PC2340-RHD-ON-ZZ-TN-Z-0051		
<p><i>COPYRIGHT © RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited, 2024. All rights reserved.</i></p> <p><i>This document is supplied on and subject to the terms and conditions of the Contractual Agreement relating to this work, under which this document has been supplied, in particular:</i></p> <p>LIABILITY</p> <p><i>In preparation of this document RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited has made reasonable efforts to ensure that the content is accurate, up to date and complete for the purpose for which it was contracted. RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited makes no warranty as to the accuracy or completeness of material supplied by the client or their agent.</i></p> <p><i>Other than any liability on RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited detailed in the contracts between the parties for this work RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited shall have no liability for any loss, damage, injury, claim, expense, cost or other consequence arising as a result of use or reliance upon any information contained in or omitted from this document.</i></p> <p><i>Any persons intending to use this document should satisfy themselves as to its applicability for their intended purpose.</i></p> <p><i>The user of this document has the obligation to employ safe working practices for any activities referred to and to adopt specific practices appropriate to local conditions.</i></p>					
Rev No.	Date	Status/Reason for Issue	Author	Checked by	Approved by
01	October 2024	Submission at Pre-Examination Procedural Deadline	RHDHV	RWE	RWE
02	November 2024	Submission at previous Draft Deadline 1	RHDHV	RWE	RWE

Revision Change Log

Rev No.	Page	Section	Description
01	N/A	N/A	Submitted at Pre-Examination Procedural Deadline
02	Page 4	Section 5 Section 6	Additional information added on Section 5 and Section 6 trenching results

Memorandum

Memo Number:	005403442-02
Date:	08/11/2024
From:	Matt Jackson
To:	Planning Inspectorate
Cc:	Historic England, Humber Archaeological Partnership
Subject:	Phase 2 2024 Archaeological Trial Trenching Technical Note

Introduction

The Applicants have agreed a process with Historic Environment Stakeholders through the Evidence Plan Process (EPP) for the provision of reporting from the ongoing archaeological surveys. This is referenced in **Volume 7, Appendix 22-1 Onshore Archaeology and Cultural Heritage Consultation Responses** [APP-174].

Historic Environment Stakeholders agreed to the provision of results from any ongoing archaeological surveys on a rolling basis throughout the pre-examination and examination period and beyond. This approach is increasingly recognised as acceptable to Historic Environment Stakeholders in the development of onshore infrastructure for large-scale offshore wind development; whereby it is recognised that archaeological evaluation is ongoing throughout the pre-submission, examination and post-consent phases. This approach helps to alleviate programme pressure, and to better understand archaeological risks and mitigation planning during construction; should consent be awarded.

It was agreed with Heritage stakeholders that sufficient geophysical survey and trial trenching information was carried out pre-application (and included within the DCO submission) for purpose of the examination in accordance with NPS EN-1 Section 5.9.11.

The Phase 2 evaluation trenching campaign ran from May to September 2024, covering six areas of the Onshore Export cable route (Figure 1). The interim results of the Phase 2 Trial Trenching in these areas are briefly discussed below in terms of alignment with anticipated levels of archaeology and potential impacts/effects as described in **Chapter 22 Onshore Archaeology and Cultural Heritage** [APP-172].

The final report for Phase 2 Trial Trenching is expected to be available to Historic Environment Stakeholders by February 2025 (and submitted to the Planning Inspectorate at Deadline 5) to allow for completion of all specialist analysis. The Applicants note that it has been agreed with Historic Environment Stakeholders that the final Phase 2 report is not required to inform an assessment of the potential effects of the proposed development and should be considered as early pre-construction evaluation to inform post-consent mitigation, should consent be awarded.

Memorandum

In all Sections that were investigated, the Phase 2 evaluation trenching identified archaeological remains of the same or lower significance than those predicted in **Chapter 22 Onshore Archaeology and Cultural Heritage** [APP-172]. This is consistent with the approach adopted in the ES of stating a precautionary valuation of predicted archaeological remains for the purpose of impact assessment.

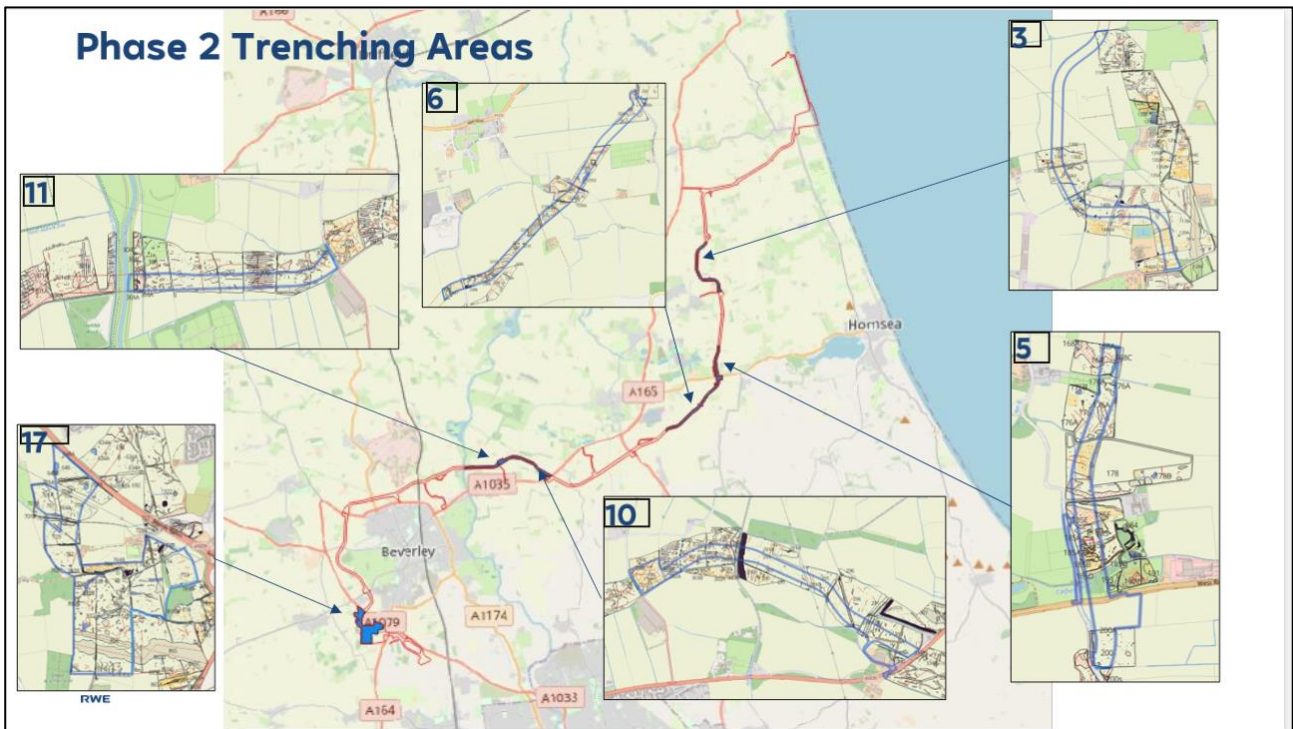


Figure 1 Phase 2 Archaeological Trial Trenching Areas.

Section 10: Routh East

Archaeological remains were encountered throughout Section 10, generally comprising scattered remains of agricultural activity and field boundaries, with limited concentrations of features towards the southeast and northwestern ends of the Section (AOC 2024a).

These results broadly correlate with anticipated levels of archaeology as predicted in the geophysical survey results for fields 315, 296, 291, 280 & 290 (**Appendix 22-7 - Geophysical Assessment Report Parts 1 to 9**) [APPs 180 to 188]. All areas of Section 10 generally had more archaeological features than were visible on the geophysical survey however no dense concentrations of highly productive features were identified suggesting this area was peripheral to past domestic activities.

The findings are consistent with the geophysical survey results (within the southeastern end of the Section) and overall anticipated density, character and value of archaeology as summarised in **Chapter 22 – Onshore Archaeology and Cultural Heritage** [APP-172] with no dense concentrations of features or settlement activity being encountered during the Phase 2 evaluation trenching.

Memorandum

Section 11: Routh West

In general, limited archaeological activity was observed throughout Section 11, with no notable concentrations of features (AOC 2024b). The findings are consistent with the geophysical survey results (**Appendix 22-7 - Geophysical Assessment Report Parts 1 to 9**) [APPs 180 to 188] and are less than the predicted level and significance of archaeology predicted in **Chapter 22 – Onshore Archaeology and Cultural Heritage** [APP-172]. The ES highlighted a potential for associated remains with *Eske medieval settlement and field system, west and south of Eske Manor (NHLE 1005216)* located 280 meters to the north of Section 11. The phase 2 evaluation trenching did not, however, identify any such remains.

Section 3: Nunkeeling

In general, limited archaeological activity was observed throughout Section 3 (AOC 2024c). The findings are consistent with the low density of features identified in the geophysical survey results **Appendix 22-7 - Geophysical Assessment Report Parts 1 to 9** [APP 180 to 188].

There was potential for remains associated with the deserted medieval village of Nunkeeling (**Chapter 22 – Onshore Archaeology and Cultural Heritage**) [APP-172] to be present within this Section, however no such remains were identified during the phase 2 evaluation trenching. A number of undated features were encountered comprising gully and linear ditch features likely pre-dating the post-medieval period and may comprise an associated field system.

The geophysical survey identified two parallel linear anomalies (140cA) which were interpreted as possibly being associated with a Roman road running between Bridlington and Hull (MHU1007) or the former airfield (APS_105). The trenching, however, identified these linear anomalies as undated furrows.

Section 17: Substation

In general, limited archaeological activity was encountered throughout Section 17 (AOC 2024d). Evidence of Iron Age or Romano-British landuse, taking the form of field boundaries and / or drainage features, was recorded within three trenches within the area and further features (furrows, gullies, and ditches) across the Section suggested a continuing agricultural use of the land throughout the medieval and post-medieval periods.

The results align with those from the Phase 1 works submitted with the DCO (**Appendix 22-8 - Interim Archaeological Evaluation Report**) [APP-189] which noted relatively low levels of archaeologically significant activity outwith an area containing well preserved Roman trackway ditches and settlement evidence in the southeastern corner of Section 17 (now outside the Onshore Development Area).

The results are less than predicted in the northern fields, in particular to the south of the scheduled *Heavy Anti-aircraft gunsite, 350m west of Butt Farm (NHLE 1019186)*, where **Chapter 22 – Onshore Archaeology and Cultural Heritage** [APP-172] noted potential for associated remains such as the site of radar equipment and associated structures, which was not identified in the evaluation trenching. This apparent

Memorandum

absence of archaeological remains reflects the comparatively ephemeral nature of the ancillary components of this type of site.

Section 5: Routh North

In general, a moderate level of archaeological activity was encountered throughout Section 5, noting a concentration of significant features in the southern part of the Section (AOC 2024e). There was a reasonable correlation between archaeological features excavated and the features identified in the geophysical survey results (**Appendix 22-7 - Geophysical Assessment Report Parts 1 to 9** [APP 180 to 188]) such as anomalies indicative of a trackway and associated enclosures. These remains produced evidence of Iron Age / Romano-British activity within the central portion of the section and are suggestive of settlement activity.

The overall concentration of archaeology across Section 5 was slightly higher than anticipated however of similar character and significance as predicted in **Chapter 22 – Onshore Archaeology and Cultural Heritage** [APP-172].

Section 6: Routh South

In general, a low to moderate level of archaeological activity was encountered throughout Section 6, with concentrations located at high points in the landscape in the central and southern portions of the Section (AOC 2024f).

There was a good correlation between the anomalies identified in the geophysical survey results (**Appendix 22-7 - Geophysical Assessment Report Parts 1 to 9** [APP 180 to 188]) and the excavated evidence, particularly those indicative of the three enclosures, also matching with features mapped on the NMP and Humber HER as outlined in **Chapter 22 – Onshore Archaeology and Cultural Heritage** [APP-172].

The finds from the enclosures suggest domestic settlement (pottery and animal bone) of a likely Iron Age or Romano-British date. Elsewhere in the Section the geophysical survey was much less successful at identifying linear and discrete archaeological features.

The overall concentration of archaeology across Section 6 was slightly higher than anticipated however of similar significance as predicted in **Chapter 22 – Onshore Archaeology and Cultural Heritage** [APP-172].

Memorandum

Accompanying Interim Reports

AOC Archaeology (2024a) Interim Archaeological Evaluation Report Phase 2 Trenching: Section 10, Routh East

AOC Archaeology (2024b) Interim Archaeological Evaluation Report Phase 2 Trenching: Section 11, Routh West

AOC Archaeology (2024c) Interim Archaeological Evaluation Report Phase 2 Trenching: Section 3, Nunkeeling

AOC Archaeology (2024d) Interim Archaeological Evaluation Report Phase 2 Trenching: Section 17, Substation

AOC Archaeology (2024e) Interim Archaeological Evaluation Report Phase 2 Trenching: Section 5, Catfoss North

AOC Archaeology (2024f) Interim Archaeological Evaluation Report Phase 2 Trenching: Section 6, Catfoss South