

SEGL21



Scotland England Green Link 2

GEOPHYSICAL SURVEY INTERIM REPORT

PLANNING REF. pre-application

Headland Archaeology Yorkshire & North
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for AECOM on behalf of National Grid

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PROJECT INFORMATION:

PROJECT NAME	Scotland England Green Link 2
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PLANNING REF.	Pre-application
CONSULTANT/AGENT	AECOM
CLIENT	National Grid
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NGR	various
PARISH	various
COUNCIL AREA	East Riding of Yorkshire, North Yorkshire
FIELDWORK DATES	October to November 2021, January 2022
OASIS REF.	Headland1-506840
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PROJECT TEAM:

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PROJECT SUMMARY

Headland Archaeology (UK) Ltd was commissioned by AECOM, on behalf of National Grid, to carry out a geophysical (magnetometer) survey on agricultural land within the proposed English Onshore Scheme (EOS) boundary (the Scheme), which forms part of the Scotland England Green Link 2 (SEGL2) project. This project proposes to 'export' electricity from Scotland to England by means of an undersea cable in the North Sea from Peterhead, Aberdeenshire, to Fraisthorpe, just south of Bridlington, and then via an onshore underground cable to a new converter station adjacent to Drax Power Station in North Yorkshire. The geophysical survey covered a 60m wide corridor, along the full length of the approximately 65km cable route. The magnetometer survey is one of a series of pre-determination investigations, including aerial photograph (AP) and LiDAR assessment and metal detector survey, both of which will provide information in support of a future Town and Country Planning Act (TCPA) application. These investigations will help determine the impact of the proposed Scheme on the historic environment, including both known and potentially currently unknown heritage assets. This report covers the geophysical survey which was carried out in two phases, between October and November 2021 and in January 2022. Approximately 90% (385 hectares) of the estimated approximate total area (426 hectares) was surveyed.

Most of the anomalies recorded are due to recent or post-medieval agricultural activity; modern ploughing, ridge and furrow cultivation (which was particularly prevalent over the Yorkshire Wolds), and field drainage which was very common across the lower lying sections of the Scheme across the Holderness Plain, the Vale of York and across the land either side of the River Ouse. A lot of anomalies were also recorded that are due to natural geological variation within the superficial deposits or to natural processes, such as the deposition of alluvium adjacent to watercourses.

In addition, anomalies of probable archaeological origin have been recorded at sixteen locations termed Areas of Archaeological Activity (AAA's). These AAA's are mostly (but not universally) located on the higher better draining upland areas of the Wolds but are also present on the Holderness Plain. They predominantly comprise parts of enclosures, trackways and field boundaries forming parts of wider clusters of enclosure, and possibly settlement, some of which were previously known, others identified for the first time during the recent AP and LiDAR assessment undertaken for SEGL2. A few anomalies/features have only been recorded by the magnetic survey including a probable round barrow and a possible square barrow. At most locations the magnetic survey has provided greater resolution and more detail, especially of smaller or ephemeral features, than was indicated by the cropmarks. In a few locations the cropmarks perhaps provide a more detailed picture.

Overall, it is concluded that the surveys are likely giving a good indication of the below ground archaeological resource where survey has been carried out, subject to the limitations of the technique. It is hoped that other survey techniques, such as metal detector survey, will help answer specific archaeological questions and potentially identify archaeological remains not usually identified by magnetometer survey, such as areas of early medieval settlement or unenclosed prehistoric activity. Together all surveys will add further information on the archaeological resource and,

together with the other information submitted in support of the TCPA application, will allow a thorough contextualisation and evaluation of the archaeological resource along the Scheme to be made.

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