

Fullabrook Wind Farm, North Devon

Centred on NGR SS 52614 39625

Results of archaeological evaluation, watching brief and recording

Prepared by
Kerry Tyler and Andrew Passmore

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AC archaeology

FULLABROOK WIND FARM, NORTH DEVON

(centred on NGR SS 52614 39625)

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FULLABROOK WIND FARM, NORTH DEVON (CENTRED ON SS 52614 39625)

Summary

A series of archaeological investigations including geophysical survey, monitoring of geotechnical test pits, trench evaluation, hedgebank recording, and strip map and sample excavations were carried out by AC archaeology in advance of and during construction of a new wind farm at Fullabrook, Barnstaple, North Devon.

The new wind farm comprised the construction of 22 turbines, along with new access tracks and an electricity sub-station, as well as a temporary compound area and a concrete batching plant. All these areas were subject to a geophysical survey.

A total of 205, machine-excavated geotechnical test pits were monitored, all with negative results. The evaluation of the turbine sites, sub-station, batching plant and contractor's compound comprised the machine-excavation of 65 trenches all 1.6m wide and totalling 5,712m in length. Evaluation of the access trackways followed a 10% sample strategy comprising 26 trenches measuring 1.6m wide and totalling 1,826m in length.

Two areas revealed prehistoric activity; the remains of a prehistoric round barrow were excavated in turbine area 11 and a prehistoric enclosure in turbine area 6. The majority of the archaeological investigations however, largely negative or exposed ditches that were likely to have been agricultural boundaries or drainage ditches of post-medieval or modern origin.

1 INTRODUCTION (Figure 1)

1.1 A programme of archaeological investigations was carried out by AC archaeology in advance of and during construction of the Fullabrook Wind Farm, North Devon (centred on SS 52614 39625). The work was commissioned by ADAS UK Ltd, agents for ESBI International, and was undertaken as a requirement of the following planning permissions granted by North Devon District Council: (condition 26 of planning reference 38622, proposed wind farm, and condition 5 of planning reference 49169, construction of a substation, compound and associated buildings. The requirements were set out in a brief provided by the Devon County Council Historic Environment Service (DCHES; Reed 2009).

1.2 The wind farm was constructed on enclosed upland, the majority of the field boundaries probably being of 18th- or 19th-century date, along with some later replacements. The turbines were constructed along two ridges on generally flat ground or land that slopes gently down to the south, from 236m aOD to 145m aOD. The area is under arable cultivation, with sheep pasture at certain times of the year. The underlying geology varies across the site and includes upper Devonian Morte and Pilton slates and Pickwell Down and Baggy sandstone.

2. ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

- 2.1** The scheme was subject to an initial desk-based assessment (Exeter Archaeology 2004; 2005). The assessment established that there has been little archaeological work undertaken in the area, but there is potential for unrecorded buried archaeological remains and, if present, these would most likely comprise prehistoric settlement, funerary or agricultural features. There was also the possibility that palaeoenvironmental deposits might be present in the waterlogged areas of the site and colluvial layers in the valley bottoms.
- 2.2** From the medieval period onwards the area has been a mainly agricultural landscape, with many of the farmsteads nearby originate at this time.

3. AIMS

- 3.1** The aims of the initial archaeological investigations was to establish the presence or absence, extent, depth, character and date of any archaeological features, deposits or finds within the site, the results of which would be reviewed and used to inform any subsequent requirement archaeological work.

Where significant archaeological deposits were exposed during the evaluation phase further excavations were undertaken with the aim of fully excavating, recording and understanding the features that would be destroyed by the development. In some areas the turbine locations were subsequently moved and identified archaeological features were not disturbed.

4. METHODOLOGY

4.1 *The investigations*

The series of investigations were undertaken in accordance with a project design prepared by AC archaeology in which a full description of the methodology is set out (Valentin 2009). The staged approach and the individual methodologies employed are set out below:

Geophysical survey

Two geophysical surveys were undertaken. Substrata surveyed the turbine locations, concrete batching plant, electricity sub-station and compound areas, whilst GSB Prospection surveyed the access routes and cable trenches. The following methodology was used:

- For each turbine location a 1ha area was surveyed with alternate 10m transects;
- For the concrete batching plant, electricity sub-station and compound areas an area of 2ha was surveyed with alternate 10m transects;
- For the new access trackway and cable trench continuous 10m wide surveys were undertaken where required by the DCHES;

Monitoring of geotechnical test pits

A total of 205 machine-excavated geotechnical test pits dug by a specialist subcontractor monitored.

Trench evaluation

A series of 91 1.6m wide trenches totalling 5712m in length were machine excavated under archaeological control. These trenches targeted the positions of the turbines,

new access tracks, an electricity sub-station, a temporary compound area and a concrete batching plant.

Hedgebank recording

A total of 29 hedgebanks were recorded during breaching and were recorded on *pro forma* record sheets. The presence of modern field boundaries (such as wire fences) was also noted.

Strip, map and sample excavations

Where significant archaeological deposits were exposed in the evaluation trenches, further excavations were undertaken in two areas: turbines 6 and 11.

4.2 Recording

The site was recorded using the AC archaeology *pro forma* recording system, comprising written, graphic and photographic records, and in accordance with AC archaeology's *General Site Recording Manual, Version 1*. All plans were drawn at a scale of 1:50 and sections at 1:10 or 1:20. All levels have been related to Ordnance Datum.

5. RESULTS: GEOPHYSICAL SURVEY (Figures 2-7 and appendix 1)

- 5.1** The survey of the turbine locations, concrete batching plant, electricity sub-station and compound areas produced mixed results, with the alternate rows of grids providing part coverage of anomalies. The identified anomalies all comprised potential cut features, mostly of linear or curvilinear nature. The location of the survey grids are shown on Figure 2 and a selection of the grids in which potential archaeological features were identified are presented in Figures 3-7. Some of the anomalies were investigated as part of the subsequent evaluation, the results of which are outlined in section 6 below.

The report on the survey of the access routes and cable trenches is presented as appendix 1. Again, some of the anomalies were investigated as part of the subsequent evaluation, the results of which are outlined in section 6 below.

6. RESULTS: EVALUATION AND RECORDING (Figures 8-27)

6.1 Introduction

In the majority of trenches (66) largely negative results were recorded and consequently these are described in tabulated form only in Appendix 2. In trenches where archaeological features were recorded the results are described in detail below. Detailed location plans of the evaluation trenches and areas of subsequent recording are shown on Figures 8-27.

6.2 Areas containing prehistoric archaeology

Turbine No: 6 (Figures 14-16; Plates 1-3). In trench 14 natural subsoil (1401) was cut by a northeast to southwest aligned ditch F1402. The feature measured 2.3m wide and 1.2m deep and had very steep sides with a narrow rounded base. It contained a basal fill (1407) mid orangey-reddish-brown silty clay fill, overlain by a secondary fill (1403) of mid brownish-red silty clay. The tertiary fill (1404) was a mid-red silty clay with shale fragments shale and the upper fill (1405) a mid reddish-brown silty clay. The ditch was overlain in its north western edge by possible slumped bank material (1406), mid orangey-reddish-brown silty clay. The ditch

contained no datable material, but on the basis of its shape and size it has been interpreted as a prehistoric enclosure ditch.

In Trench 72 four possible prehistoric features were exposed, of which (F7202 and F7209) may form part of the same large curving ditch. The first feature F7202, was a curvilinear ditch aligned northeast to southwest that measured 2.6m wide by 1.26m deep with 70-80° sloping sides and a concave base. It contained six different fills, (7203-7208), which apart from the upper most fill that was a clay silt were all silty clays and ranged in colour from light pink to dark red-brown. The nature of these fills suggests that the ditch was left open for some time and gradually silted up.

Ditch F7209 measured 2.29m wide by 0.97m deep and had 80° sloping sides and a rounded base. This ditch contained only three fills; the basal fill (7210) was a light greyish-brown silty clay with shillet, the secondary fill (7211) a dark purplish-brown clayey silt, and the upper fill (7212) a dark reddish-brown silty clay. No finds were recovered from either excavated section, but nature and size is indicative of a prehistoric enclosure ditch.

During the excavation of the access road to the north of trenches 14 and 72 a further 35m of this ditch was exposed (F010). Here it measured 2.05m wide by 1.13m deep and had 50-60° sloping sides with a flat base. It contained three fills. The primary fill (009) was a light to mid red gravelly clay, overlain by (008) a mid brownish-red silty clay. The tertiary and uppermost fill (007) was a mid reddish-brown silty clay. None of the fills produced any dating evidence.

Located between F7202 and F7209 were another two features; the earliest of these was a possible pit F7213. The feature contained two fills; a basal fill (7214) of purple-brown silty clay and the upper fill (7215) of purple clay with shillet. This was cut by a north to south aligned ditch F7216, which measured 1.52m wide by 0.45m deep and had 20° sloping sides with an undulating base. It contained a single fill (7217), a mid brown silty clay deposit. Neither of these features produced any dating evidence.

Turbine No: 11 (Figures 16 and 17, Plates 4-6). In trench 25 natural subsoil (2501) that was cut by a northwest to southeast aligned ditch F2502. The feature measured 1.28m wide and 0.28m deep and had gently sloping sides with a broad flat base. It contained a dark reddish brown silty clay (2503). Two intercutting pit features F2504 and F2507 were also exposed. The earliest pit, F2504, was oval in shape and measured 1m long, 0.6m wide by 0.41m deep and had steep, almost vertical sides with a concave base. It contained a basal fill (2505) of greenish-grey-brown silt, which was overlain by upper fill (2506) a reddish-brown silty clay. The later pit (2507) was circular in shape, measuring 0.7m in diameter and 0.57m deep. It had almost vertical edges and a concave base. The pit contained basal fill (2508) of greyish-green-brown clay silt, a secondary fill (2509) of reddish-brown silty clay and upper fill (2510) of reddish brown silty clay. None of the three features contained datable material, but have all been interpreted as having possible prehistoric origins due to associated features within the immediate vicinity.

Trench 26 was placed across a raised circular mound and exposed a large ring ditch with possible bank or mound material, which was given group number G2602. Two sections were excavated through the ditch (F2608/F2612). In the first section it measured 2.16m wide by 0.86m deep and had fairly steep sides with a rounded base. It contained a basal fill (2607) of mid yellow brown clay silt, a secondary fill (2606) of mixed yellow, grey and dark red silty stony clay, and an upper fill (2605) of

mid greyish-black stony silt. In the second section it measured 1.9m wide by 0.95m deep and had moderately steep edges with a flat base. It contained a basal fill (2613) of light yellowish brown silty clay, a secondary fill (2614) of mid pinkish-brown silty clay, a tertiary fill (2615) of dark yellowish-brown silty clay and an upper fill (2616) of mid greyish-brown silty clay. The ring ditch had both an internal mound (2610) and an external (2611) bank, both comprising mid orangey-brown silty clay material. Cut into the top of the ring ditch was a possible posthole, F2603, which was a circular feature measuring 0.18m by 0.16m by 0.16m deep. It had vertical edges, a flat base and contained a single dark grey-brown silty clay fill (2604). Two struck and retouched flints were recovered from (2615), one of the fills of the ring ditch; none of the other features contained datable material. The features and deposits have been interpreted as a probable prehistoric round barrow. Environmental samples were taken from a number of contexts in this area, and the results of the palaeoenvironmental assessment are outlined in appendix 4.

After the excavation of these trenches the position of the turbine was moved to the northeast and no further investigations of these features took place. A small strip map and sample excavation did however take place, and a further two circular features were exposed. Feature 034 measured 0.3m in diameter by 0.07m deep and had shallow 10-15° sloping sides with a rounded base. It contained a single fill (033) of dark brown-grey silty clay with a very high charcoal content. The second circular feature F036 measured 0.2m in diameter by 0.06m deep with shallow 30-40° sloping sides and a rounded base. It contained single fill (035) a dark grey to black silty clay deposit with a high charcoal content. No finds were recovered from either feature, although both features were sampled for environmental analysis, and a small quantity of burnt clay as recovered from 035. Due to their close proximity to the barrow these are tentatively interpreted as satellite cremations. Although no cremated material was recovered, the features were very shallow and must have been heavily truncated by historic ploughing.

6.3 Areas containing medieval, post-medieval, modern or undated archaeology

Turbine No: 3 (Figure 18). Trenches 5 and 6 were excavated in this area. The natural subsoil in trench 5 was cut by two parallel northeast to southwest aligned linear ditches 2.6m apart. Ditch 503 measured 1.7m wide and 0.62m deep and had moderately steep sloping sides with a concave base. It contained a single dark reddish brown silty-sand fill (502). Feature 506 measured 1.5m wide and 0.16m deep and had moderately steep sloping edges with a concave base. It contained two fills; a mid yellow brown silty-clay basal fill (505) and a mid reddish brown silty-clay upper fill (504).

Trench number 6 exposed a NE-SW aligned linear F603, which measured 1.52m wide and 0.45m deep and had asymmetrical moderately steep sloping sides and a concave base. It contained a single mid brown clay-silt fill (602) and was sealed by topsoil (601).

No datable material was recovered from these features and the ditches are interpreted as being associated with post-medieval field boundaries.

Turbine No: 6 (Figures 19 and 20). In trench 12 a ditch F1203 was exposed. The ditch formed flanked an adjacent hedgerow and was therefore not excavated. It measured 1.2m wide, and contained a mid greyish-brown silty-clay (1202) that was sealed by topsoil (1201).

The natural subsoil (1303) in trench 13 was cut by a northeast to southwest aligned ditch F1302. The feature measured 1.3m wide by 0.45m deep and had irregular stepped sides with a rounded base. It contained a single mid brown-red silty sandy clay fill (1301) and was sealed by topsoil (1300). The ditch contained no datable material, but has been interpreted as a post-medieval or modern field boundary.

During the strip, map and sample excavation a number of other features were exposed. Ditch F005/F021 was aligned northwest to southeast and two sections were excavated through the feature. In the first segment the ditch measured 2.55m wide by 1.05m deep and had 35-50° sloping sides with a wide flat base. It contained two fills; the primary fill (004) was a mid red-brown silty clay, and the secondary fill (003) was a dark red-brown clay silt from which a single sherd of medieval pottery was recovered. In the second segment the ditch measured 2.58m wide by 1.02m deep and had 30-60° sloping sides with a rounded base. This section contained three fills. The primary fill (020) was a mid red gravelly clay. This was overlain by (019) a mid brownish-red silty clay, which in turn was overlain by (018) a mid reddish-brown silty clay deposit.

An undated ditch terminus was also exposed in the excavation. Feature 046 measured 1.34m wide by 0.76m deep and had 80-85° sloping sides with a rounded base. It contained two fills, a primary fill (045) of mid reddish brown clay silt that was overlain by (044) a mid yellow-brown silty clay.

The other exposed feature was ditch F017 that measured 1.8m wide by 0.3m deep and had 20° sloping sides with a broad flat base. It contained a single fill (016) of mid greyish-brown silty clay. The feature was undated.

Turbine No: 7. In trench 17 a north to south aligned ditch (F1703) was exposed. The feature measured 1.6m wide by 0.32m deep and had gently sloping sides with a concave base. It contained a single light greyish brown silty clay fill (1702) and was sealed by topsoil (1700). The ditch contained no datable material, but is interpreted as a post-medieval field boundary.

Turbine No: 10 (Figure 21). In trench 23 the natural subsoil (2301) was cut by two parallel ditches aligned northwest to southeast (F2303 and F2305). Ditch F2303 measured 0.65m wide by 0.16m deep and had gently sloping sides with a concave base. It contained a single mid grey-brown silty clay fill (2302). Ditch F2305 measured 1.5m wide by 0.28m deep, and contained a single mid grey-brown silty clay fill (2304). Neither feature produced any datable material. The features were spaced 2.3m apart and represent ditches flanking a ploughed out post-medieval hedgebank.

Turbine No: 11. The strip, map and sample excavation in this area revealed a number of undated but probably post-medieval or modern features. A northwest to southeast aligned ditch (F024), which is interpreted as an old hedgebank boundary, was exposed extending across the area and a number of sections were excavated across it. The ditch measured 1.06-1.94m wide by 0.18-0.48m deep and had gently-sloping, irregular edges and a base with varying profiles. In general, the ditch contained two fills; a primary fill (022/026028/030/037) of varying colour and consistency, that appears to have been revetted on one side by rough blocks of sandstone and mudstone (023/028/031/038).

A further two northwest to southeast aligned ditches were investigated. Ditch F041 measured 2.1m wide by 0.22m deep and had 20-25° sloping sides with a concave base. It contained a single fill (040) of mid reddish-brown silty clay. Feature 041 was parallel to and is probably contemporary with F043, and measured 0.92m wide by 0.12m deep, and had 20-25° sloping sides with a concave base. It contained a single fill (042) of light yellow-brown silty sand. Although neither ditch produced any dating evidence, they are interpreted as part drainage ditches flanking a ploughed out post-medieval field boundary.

Turbine No: 13 (Figures 22 and 23) In trench 28 the natural subsoil (2805) that was cut by linear feature F2801 that measured 0.58m wide by 0.14m deep. The ditch had gently sloping sides, a concave base and was aligned northwest-southeast. It contained a single mottled grey brown sandy clay-silt fill (2802), from which no finds were recovered. The ditch is interpreted as being associated with a post-medieval or a modern field boundary.

In trench 29 two linear features F2903 and F2904 were cut into the natural subsoil. Ditch F2903 measured 0.6m wide by 0.10m deep and had gently sloping sides, a concave base and was aligned north-south. It contained a single grey-brown sandy clay-silt fill (2902). Ditch F2904 measured 1m wide by 0.1m deep, and contained a single fill (2905), which comprised dark grey-brown silty clay. The ditches are interpreted as being associated with a post-medieval or a modern field boundary.

Turbine No: 15. In trench 32 the natural subsoil (3203) was cut by a linear feature (F3201). This ditch measured 0.75m wide by 0.24m deep and had gently sloping sides, a rounded base and was aligned east-west. It contained a single dark brown clay-silt fill (3202). No datable material was recovered and the linear has been interpreted as a post-medieval or a modern field boundary.

Turbine No: 16 (Figure 24). In trench 33 the natural subsoil (3301) and was cut by a linear feature (F3302). This ditch measured 4.8m wide by 0.75m deep and had gently sloping sides, a broad, flat base and was aligned northwest-southeast. It contained a basal fill (3303) of mid yellowish-brown silty clay and an upper fill (3304). No datable material was recovered and the linear has been interpreted as a post-medieval or a modern field boundary.

In trench 34 natural subsoil (3401) was cut by a linear feature (F3402). This ditch measured 4.26m wide by 0.42m deep and had gently sloping sides, a rounded base and was aligned north-south. It contained a basal fill (3403) of mid yellowish brown clay-silt and an upper fill (3403) of dark brown clay silt. No datable material was recovered and the ditch has been interpreted as post-medieval or a modern field boundary.

Turbine No: 18 (Figure 25). In trench 37 natural subsoil (3701) was cut by two linear features (F3702 and F3704). Ditch F3702 was aligned northeast-southwest and measured 2m wide by 0.25m deep. It contained a single fill (3703) of mid yellowish brown silty clay loam. Parallel to, and located 1.9m northwest of, F3702 was ditch F3704. This measured 2.7m wide by 0.2m deep and had 20° sloping sides and a concave base. It contained a single fill (3705) of mid yellowish-brown silty clay, which produced no dating evidence.

Turbine No: 19 (Figure 26). In trench 39 the natural subsoil (3901) was cut by a number of features. Ditch F3903 was aligned northwest-southeast, and measured

0.5m wide by 0.15m deep with 10-20° sloping sides and concave base. It contained a single fill (3902) of mid blue-grey silty clay. The feature is interpreted as a drainage gully. Ditch F3905 was aligned northwest-southeast and measured 0.51m wide by 0.14m deep with shallow 10-20° sloping sides and concave base. It contained a single fill (3904) of light grey silty clay. The third ditch F3907, was aligned north-south, and measured 2.78m wide by 0.21m deep, and had 10-20° sloping sides and a flat base. It contained a single fill (3906) of dark grey brown silt.

Concrete Batching Plant: In trench 60 the natural subsoil was cut by a posthole (F6002). The posthole measured 0.25m in diameter by 0.13m deep with 80-90° sides and a flat base. It contained single fill (6002) of mid to dark reddish-brown silty clay.

Excavation Area A: In trench 70 the natural subsoil was cut by a ditch (7002). The ditch was aligned north-south and measured 1m wide by 0.17m deep, and had 10° sloping sides and flat base. It contained a single fill (7003) of mid reddish-brown silty clay.

In trench 77 the natural subsoil (7701) was cut by ditch F7702. This feature measured 1m wide by 0.14m deep and was aligned north-south. It contained a single fill (7703) of mid reddish-brown silty clay, from which there was no dating evidence.

Excavation Area B (Figure 27): In trench 86 two linear features spaced 1.5m apart were exposed. Feature 8602 measured 0.9m wide by 0.24m deep, was aligned north-south, and had 10° sloping sides and a concave base. It contained a single fill (8603). The second parallel feature (F8604) measured 1.6m wide by 0.4m deep, and had 20° sloping sides and concave base. Both features are interpreted as flanking ditches for a ploughed out hedgebank.

In trench 89 an east-west aligned ditch (F8902) was exposed. This measured 1.1m wide by 0.2m deep with 20° sloping sides and a concave base. It contained a single fill (8903) of dark orangey-brown silty clay.

In trench 91 two curvilinear features, spaced 2.6m apart were exposed. F9101 measured 0.62m wide by 0.09m deep while parallel ditch F9103 measured 1m wide by 0.18m deep. Both features had 10° sloping sides and rounded bases, and neither produced datable material.

7 RESULTS: HEDGEBANKS (Figures 8-12)

7.1 During the construction of new access tracks for the wind turbines a total of 29 standing hedgebanks were breached. Details of the results are presented in appendix 2, and their locations are shown on Figures 8-13. The width of the breaches ranged between 1.5m to 10m, with the majority being 4.5m wide. Of the 29 hedgebanks recorded ten comprised earth banks with stone revetments. No finds were recovered and all banks appeared to be of post-medieval or modern date.

8 RESULTS: GEOTECHNICAL TRIAL PITS

8.1 A total of 236 geotechnical trial pits were monitored across the development area. These pits measured between 1m and 6m long by 0.50m wide, and were excavated down to (and where necessary) into natural deposits. No archaeological features or deposits were exposed, and no finds recovered.

9 DISCUSSION

9.1 The series of archaeological investigations at Fullabrook has established the presence of a large number of archaeological remains across the area. However, very few of these produced any finds, and many of the linear features remain undated. On the basis of the shapes, alignments and character of many of the linear features these are interpreted as agricultural drainage or boundary features of post-medieval or modern origins. For example, a number of parallel pairs of ditches orientated along the same alignment were exposed, and these represent drainage ditches that flanked (now) ploughed-out hedgebanks.

Archaeological features of probable prehistoric date were located in two areas – turbine areas 6 and 11. The only finds associated with these features were two undiagnostic flints, and interpretation of the features is solely based on their character. (Two further flints including a scraper were recovered from the topsoil and subsoil in trenches 76 and 55 respectively.)

In turbine area 6 (trenches 14 and 72 and access road excavation) a series of ditches orientated on several alignments were exposed. Unfortunately any relationships between these ditches would have fallen outside the excavated areas. It is however likely that the ditches are related to two phases of prehistoric activity – a possible hillside enclosure (represented by F7202 and F7209 and F010), and a field system (represented by F7216, F1402 and F005). On the west side of ditch 1402 the remains of a ploughed-out bank (1406) survived. The only other feature exposed in this area was a possible pit (F7213). Other than perhaps pit F7123 no internal features within the enclosure were exposed, although two curving anomalies were identified during the geophysical survey and could represent the remains of roundhouses. The enclosure is situated on the junction of two ridgelines; the hilltop of Fullabrook down and a smaller ridge to the east onto Halsinger Down. The area is situated above the head of a number of small streams.

In turbine area 11, trench 26 was excavated across an earthwork mound. This mound measured 15m in diameter by up to 0.45m high. The excavation showed that the mound (1610) was defined by a curving ring ditch (2612/2608), on the outside of which was a low bank (2609/2611). It is clear that this feature is a burial mound, almost certainly a barrow of Bronze Age date. The interior of the feature lay outside the excavation area and was not investigated. Further pit-type features in the same area, some containing charcoal-rich fills, may represent heavily ploughed-out cremations forming secondary burials around a primary barrow. No datable artefactual material (including human remains) was recovered from the excavations.

The absence of further evidence for burial activity (from both the desk-based assessment and the below-ground investigations) may well indicate that barrow is an isolated feature. This is not uncommon in this part of North Devon, although a number of barrow cemeteries are also known, including those at Centery Down and Berry Down situated to the northeast of the site.

The palaeoenvironmental assessment of samples from these prehistoric features indicates that wood was probably selected for good high-temperature burning quality, and that full analysis of this material may confirm this, and may also provide data on woodland management. The assessment has also indicated the suitability of one of the samples for radiocarbon dating.

10 ARCHIVE AND OASIS ENTRY

- 10.1 A fully integrated site archive has been prepared with reference to the English Heritage 2006 document *Management of Research Projects in the Historic Environment* (MoRPHE). This is currently stored at AC archaeology's office in Bradninch, and will be deposited under the accession number NDDMS 2009.87 at the Museum of Barnstaple and North Devon.
- 10.2 Details of the project will be submitted to the OASIS (Online Access to the Index of Archaeological Investigations). The OASIS number will be cited in the report.

11 REFERENCES

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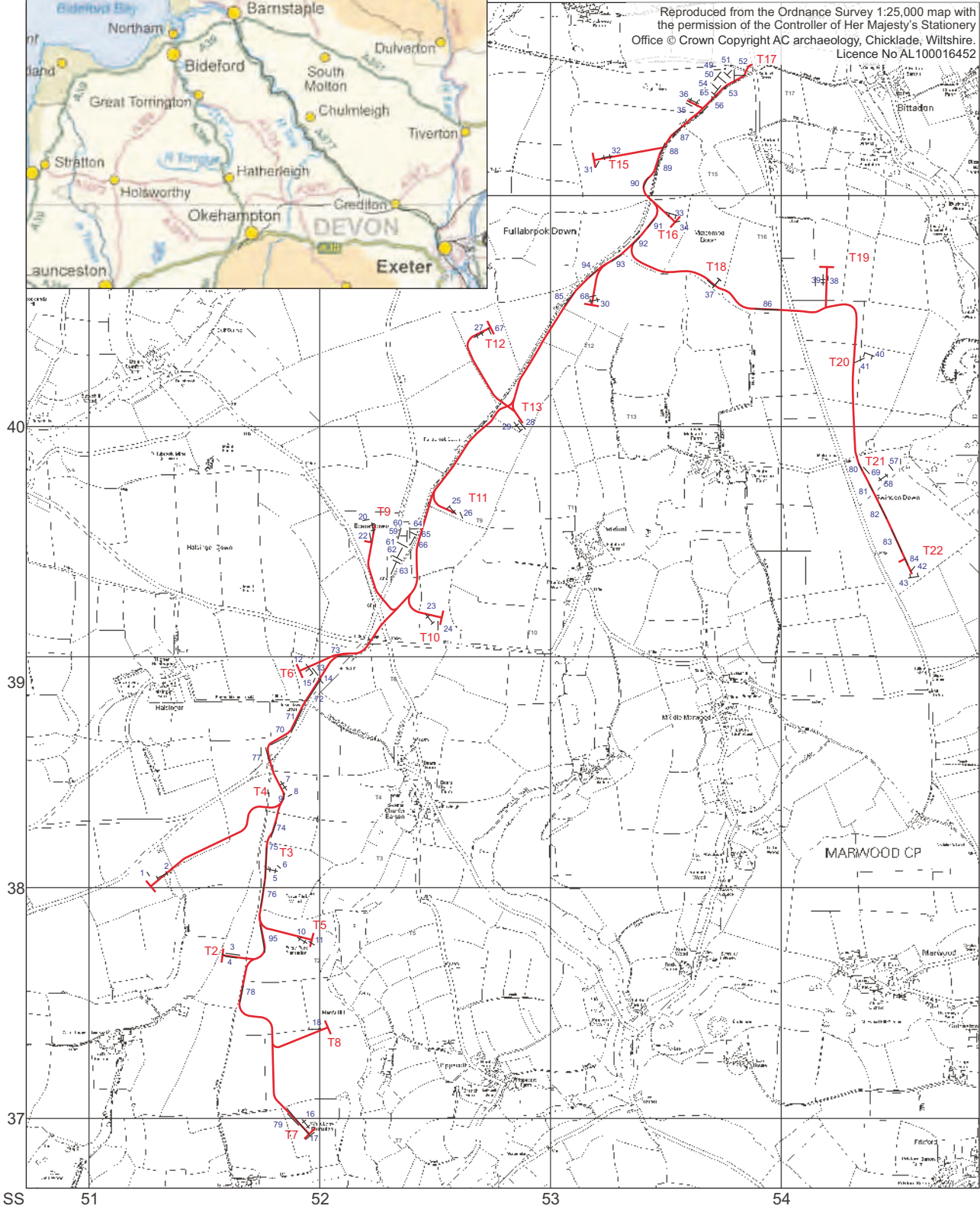
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- T17** Turbine number
-  Route of access road
-  Trench number

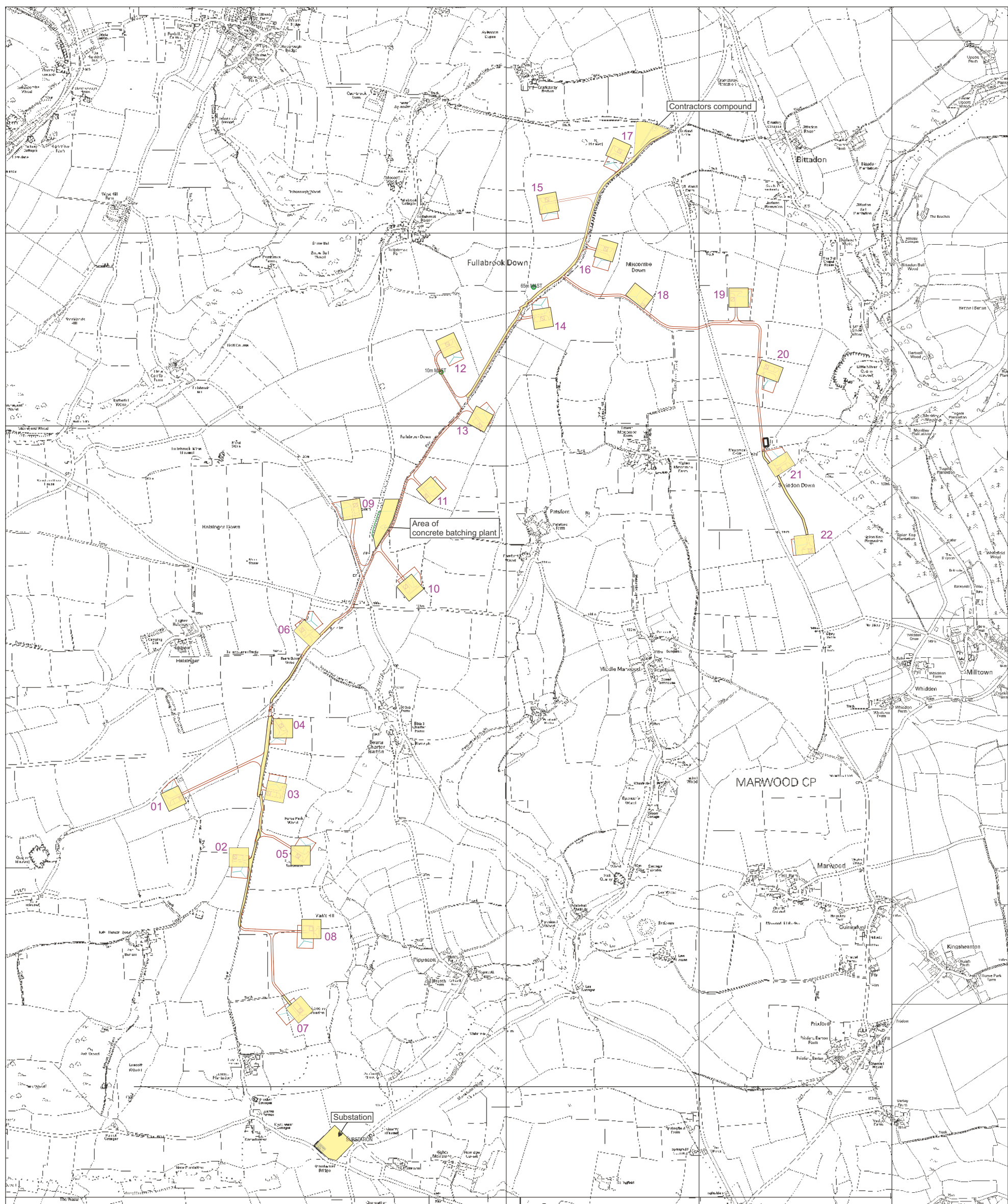
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
Fullabrook Wind Farm

TITLE

Fig.1: Location of site showing trench locations



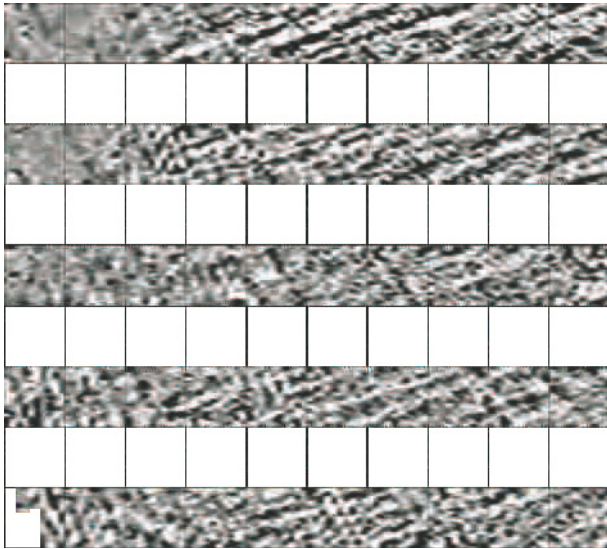


 Geophysical survey area

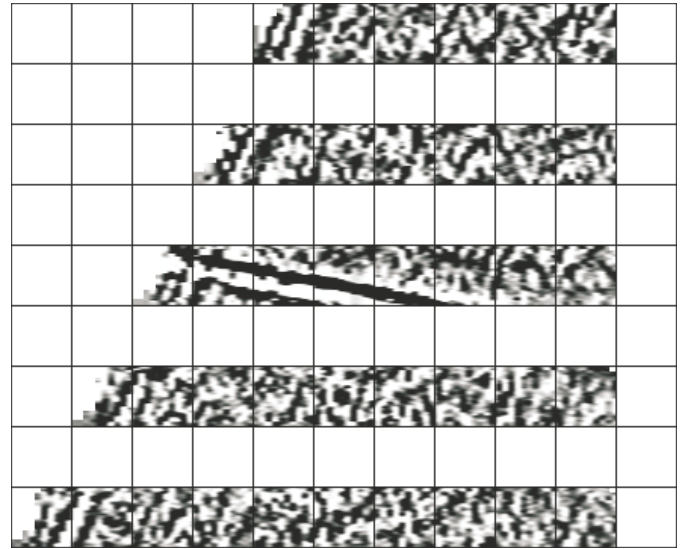


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Fullbrook Wind Farm

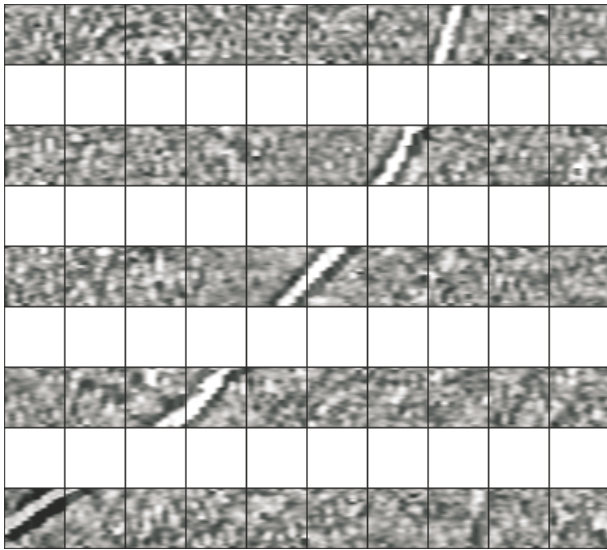
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Fig.2: Location of substrata geophysical survey grids



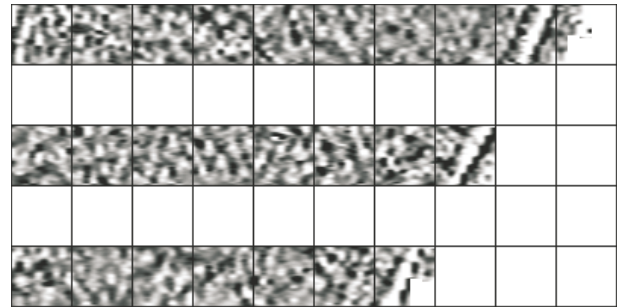
Turbine 1



Turbine 2



Turbine 3



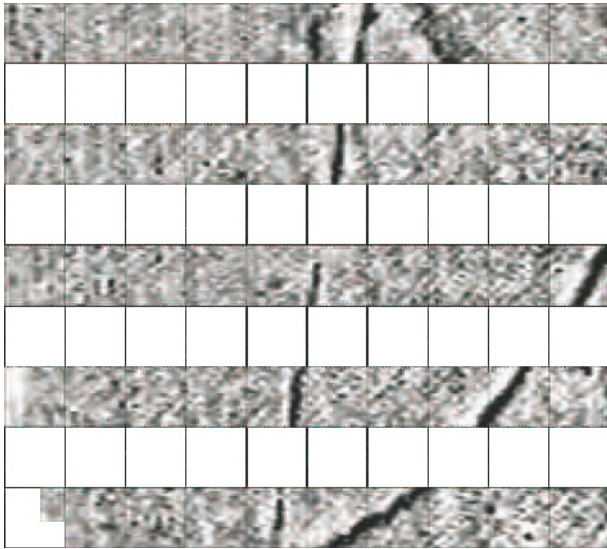
Turbine 5

PROJECT

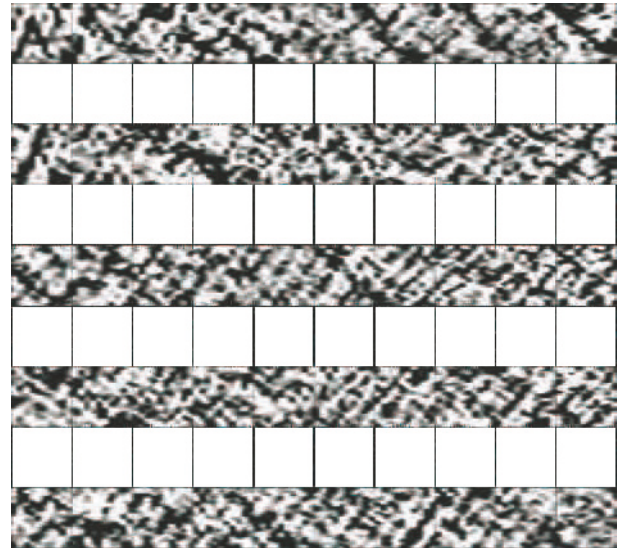
Fullabrook Wind Farm

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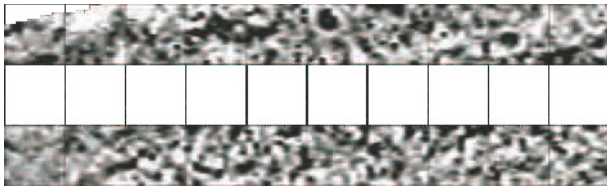
Fig.3: Substrata geophysical grids:
turbines 1, 2, 3 and 5



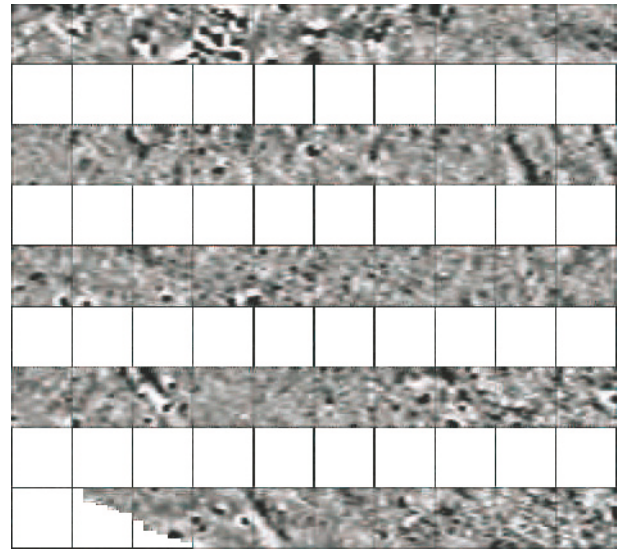
Turbine 6a grad



Turbine 7a grad



Turbine 8a grad



Turbine 11a grad

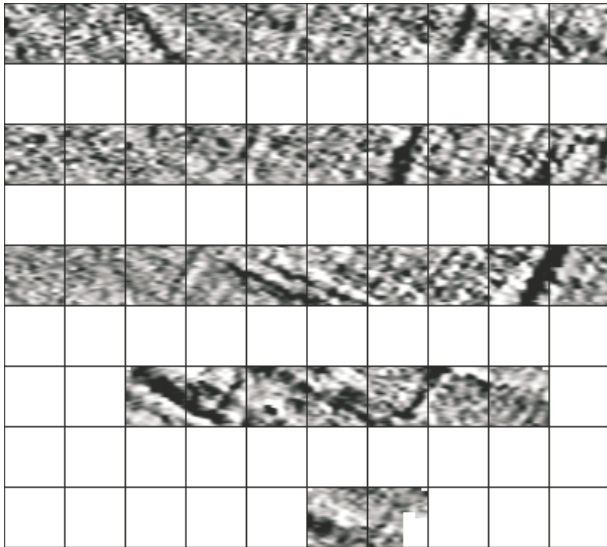
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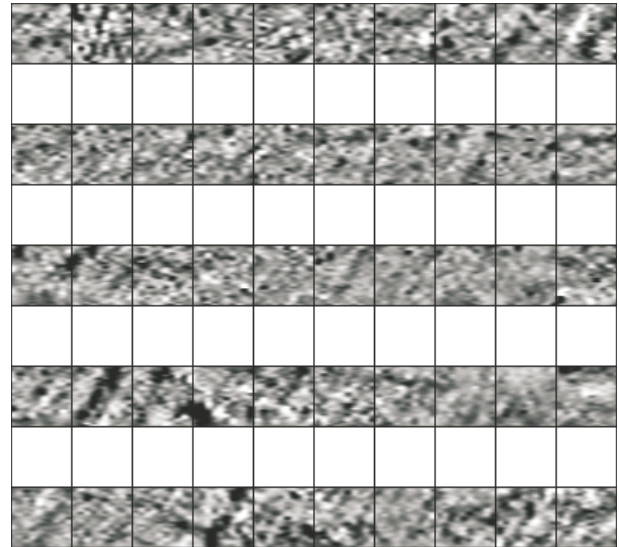
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Fig.4: Subtrata geophysical grids:
turbines 6, 7, 8 and 11

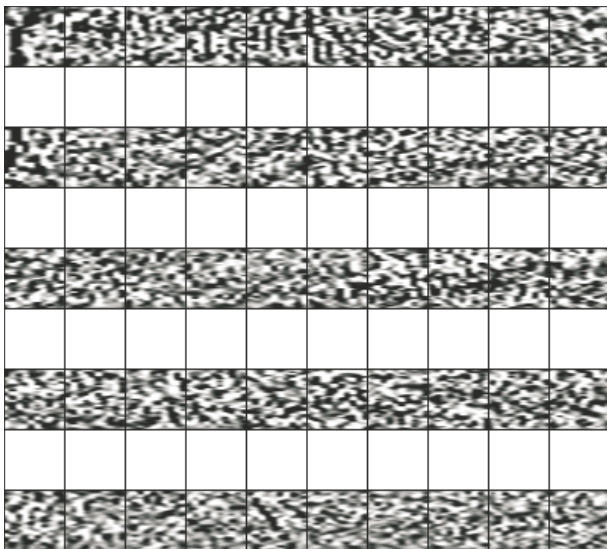




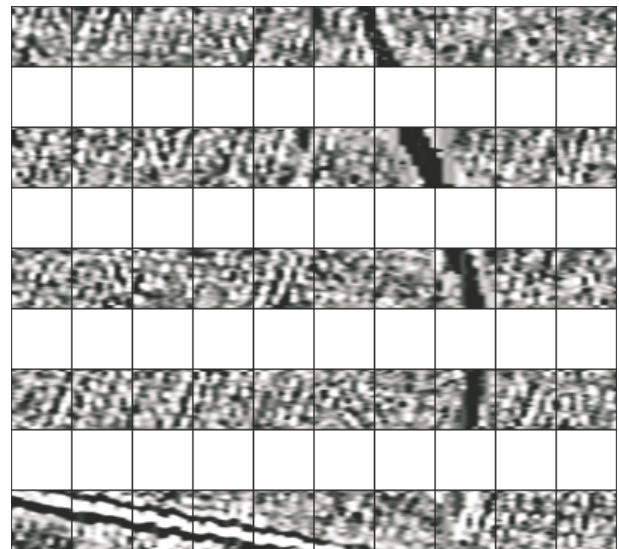
Turbine 13a grad



Turbine 14a grad



Turbine 15a grad



Turbine 16a grad

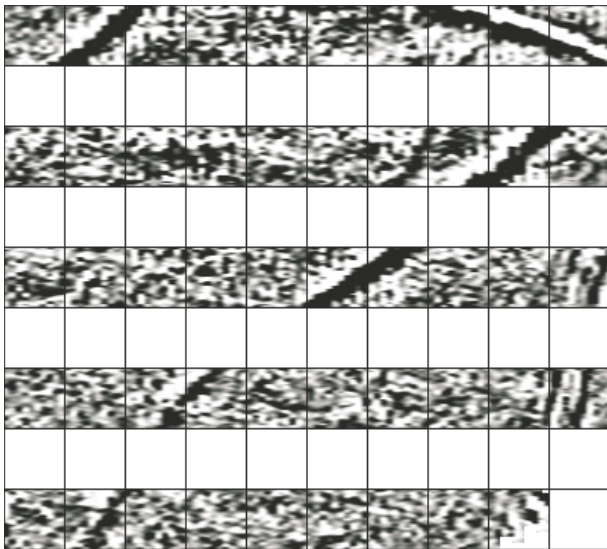
PROJECT

Fullabrook Wind Farm

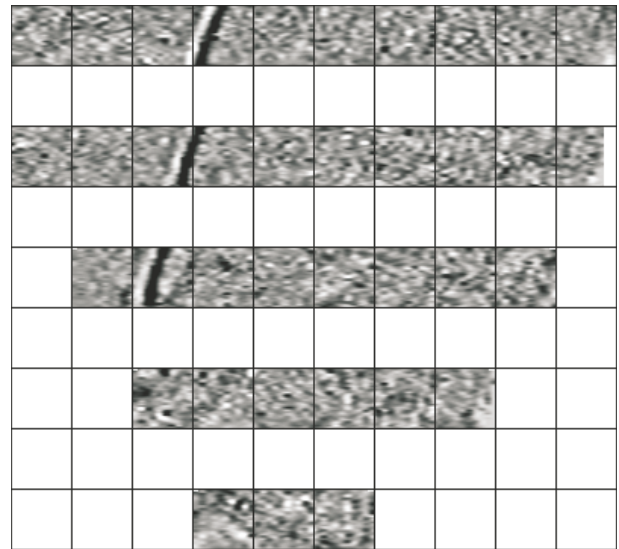
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Fig.5: Substrata geophysical grids:
turbines 13, 14, 15 and 16

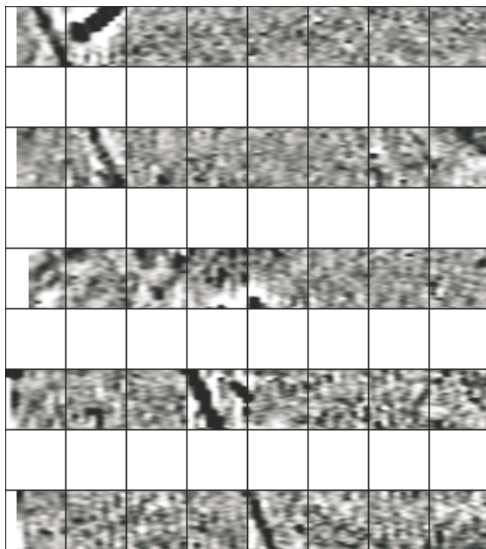




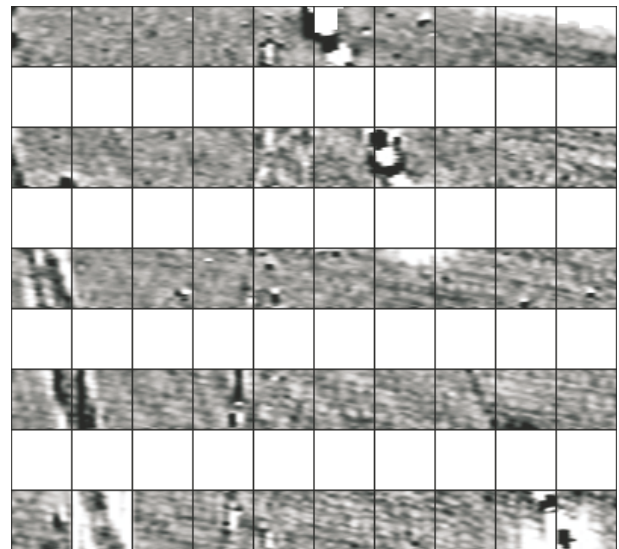
Turbine 17a grad



Turbine 18a grad



Turbine 19a grad



Turbine 20a grad

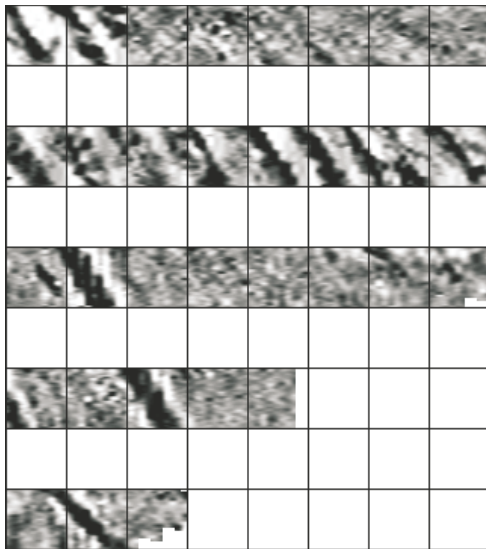
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Fullabrook Wind Farm

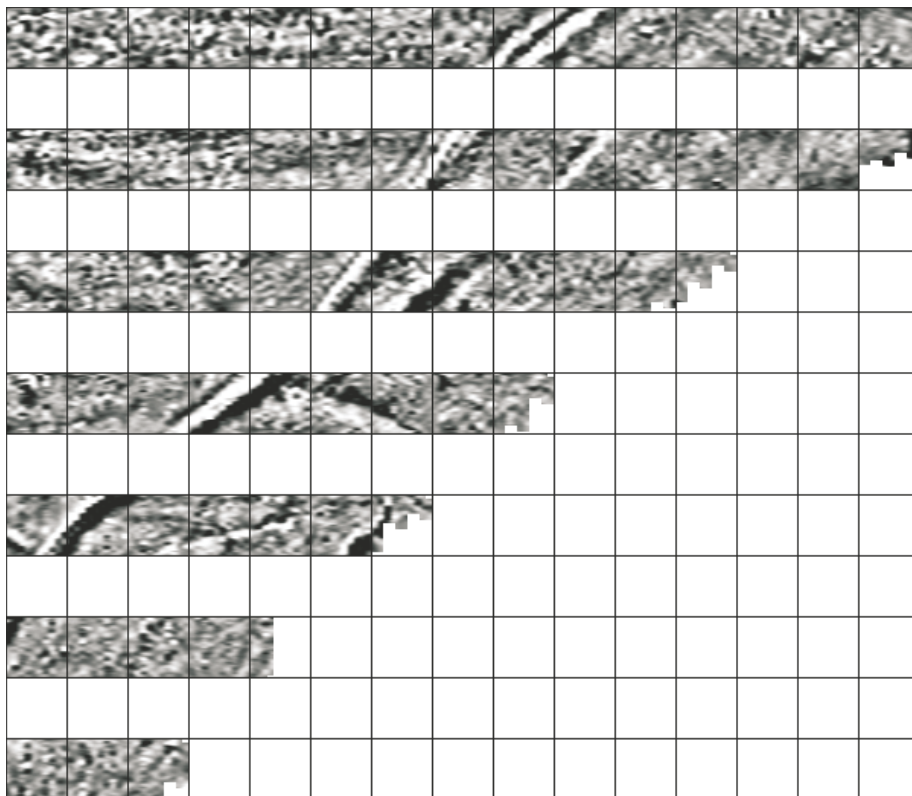
TITLE

Fig.6: Substrata geophysical grids:
turbines 17, 18, 19 and 20





Turbine 22a grad



Contractors compound a grad

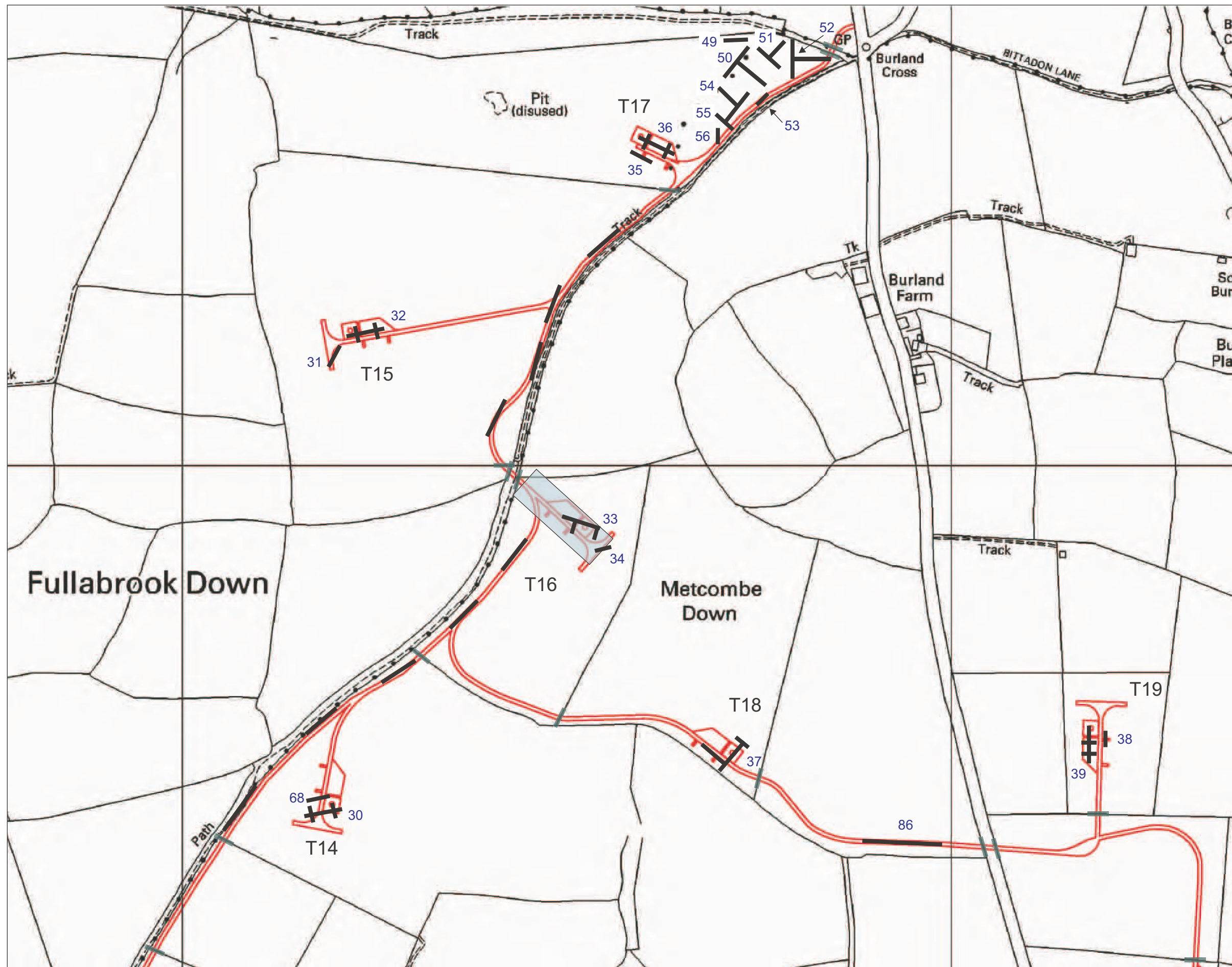
PROJECT





Fullabrook Wind Farm

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Fig.7: Subtrata geophysical grids:
turbines 22 and contractor's
compound



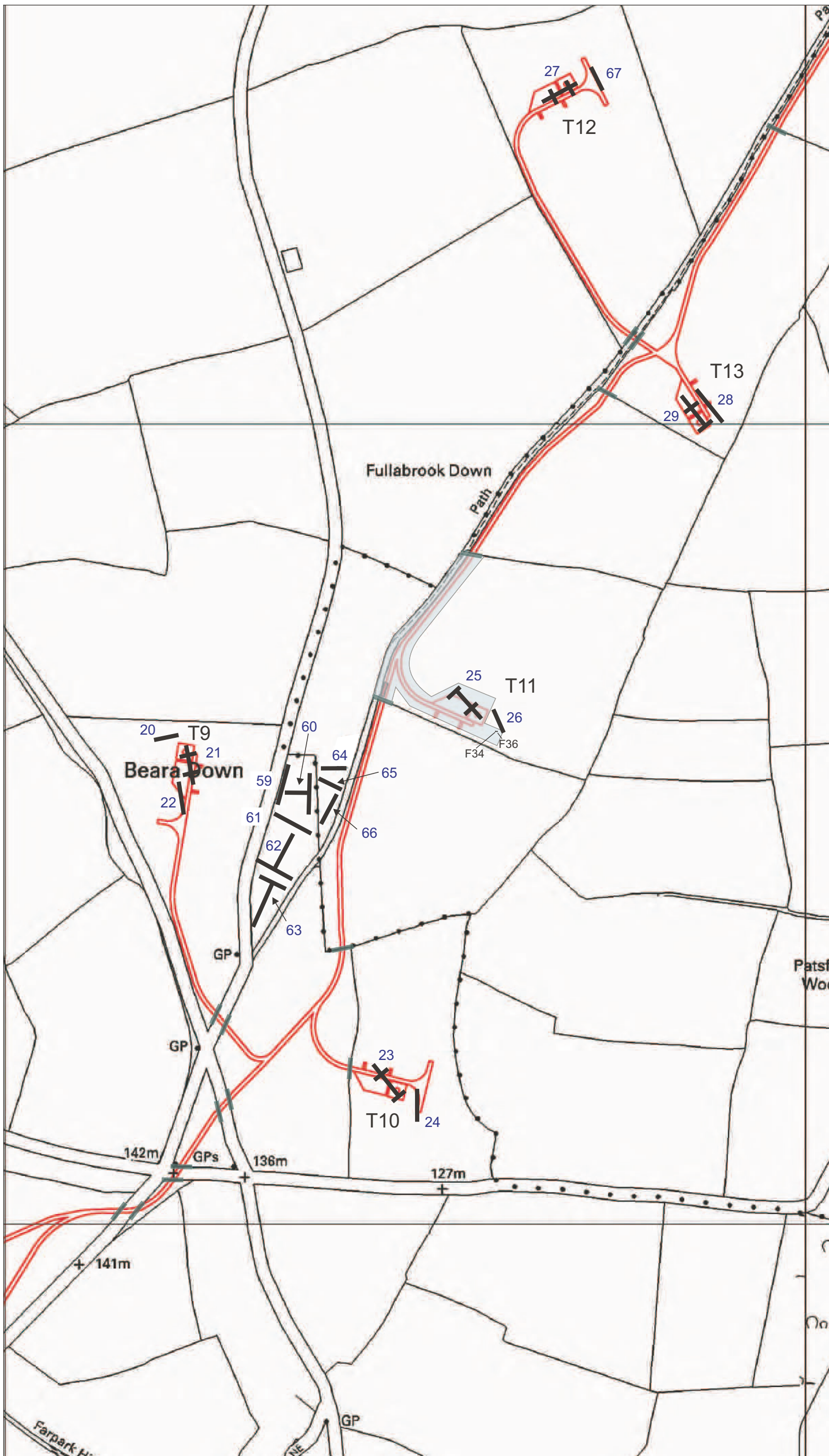






- T17 Turbine number
-  Route of access road
-  Trench number
-  Area of archaeological monitoring and recording
-  Breached hedge bank to be recorded

PROJECT
Fullabrook Wind Farm

TITLE
Fig. 8 Location of trenches:
northern area





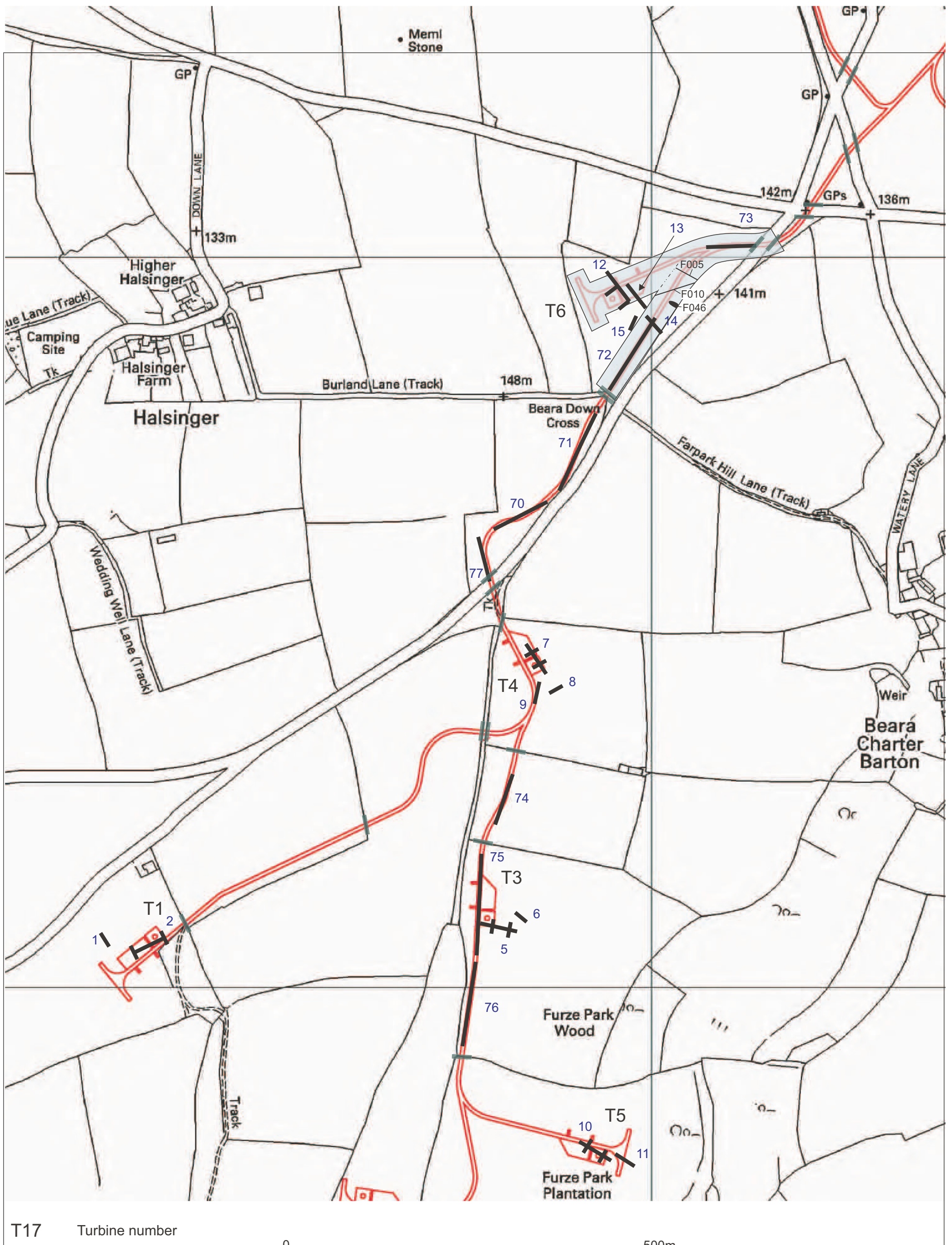
- T17 Turbine number
-  Route of access road
-  56 Trench number
-  Area of archaeological monitoring and recording
-  Breached hedge bank to be recorded

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Fullabrook Wind Farm

TITLE
Fig. 9: Location of trenches:
Central (north) area




0 500m




T17 Turbine number



 Route of access road

 56 Trench number

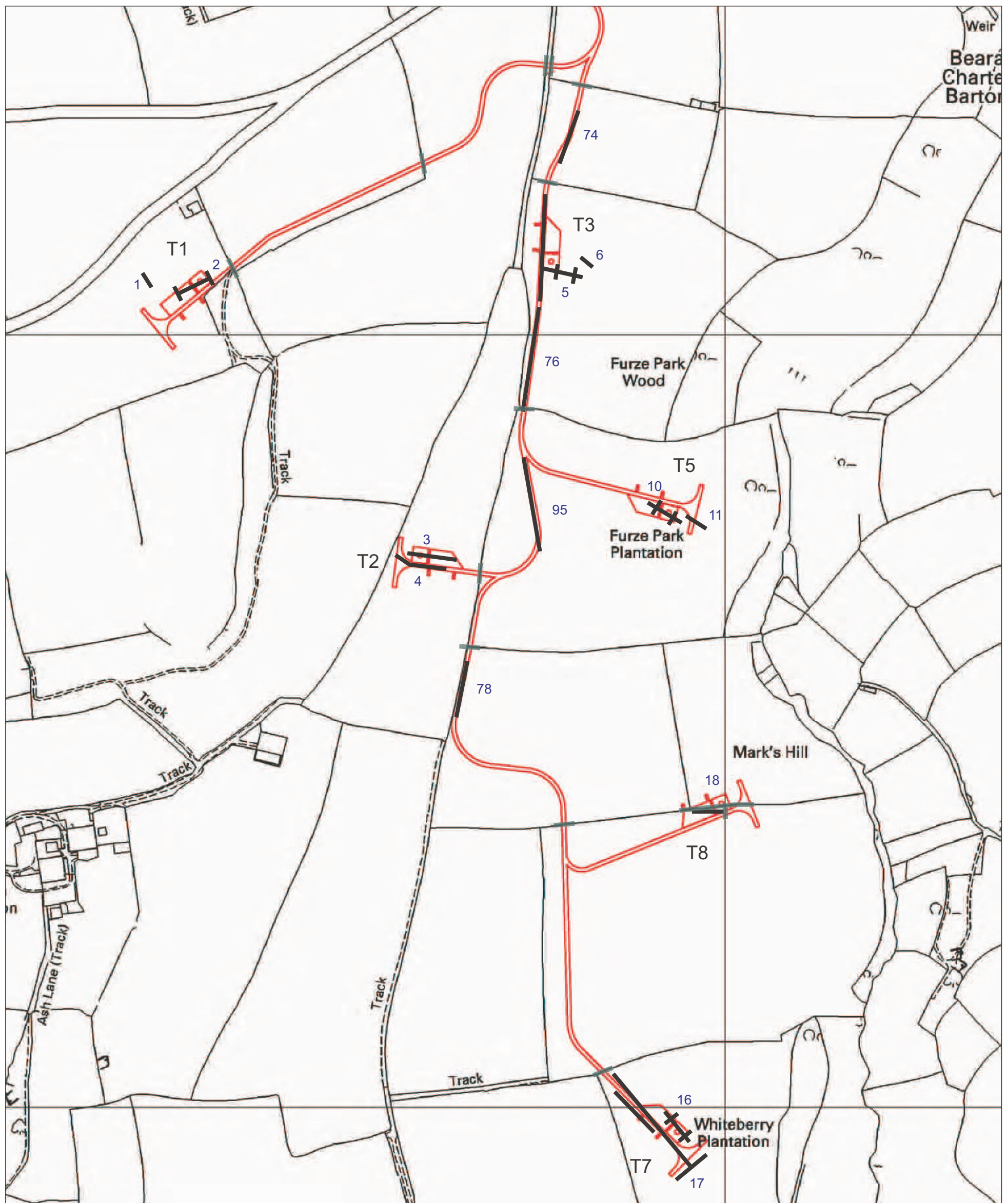
 Area of archaeological monitoring and recording

 Breached hedge bank to be recorded





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Fig. 10: Location of trenches:
Central (south) area





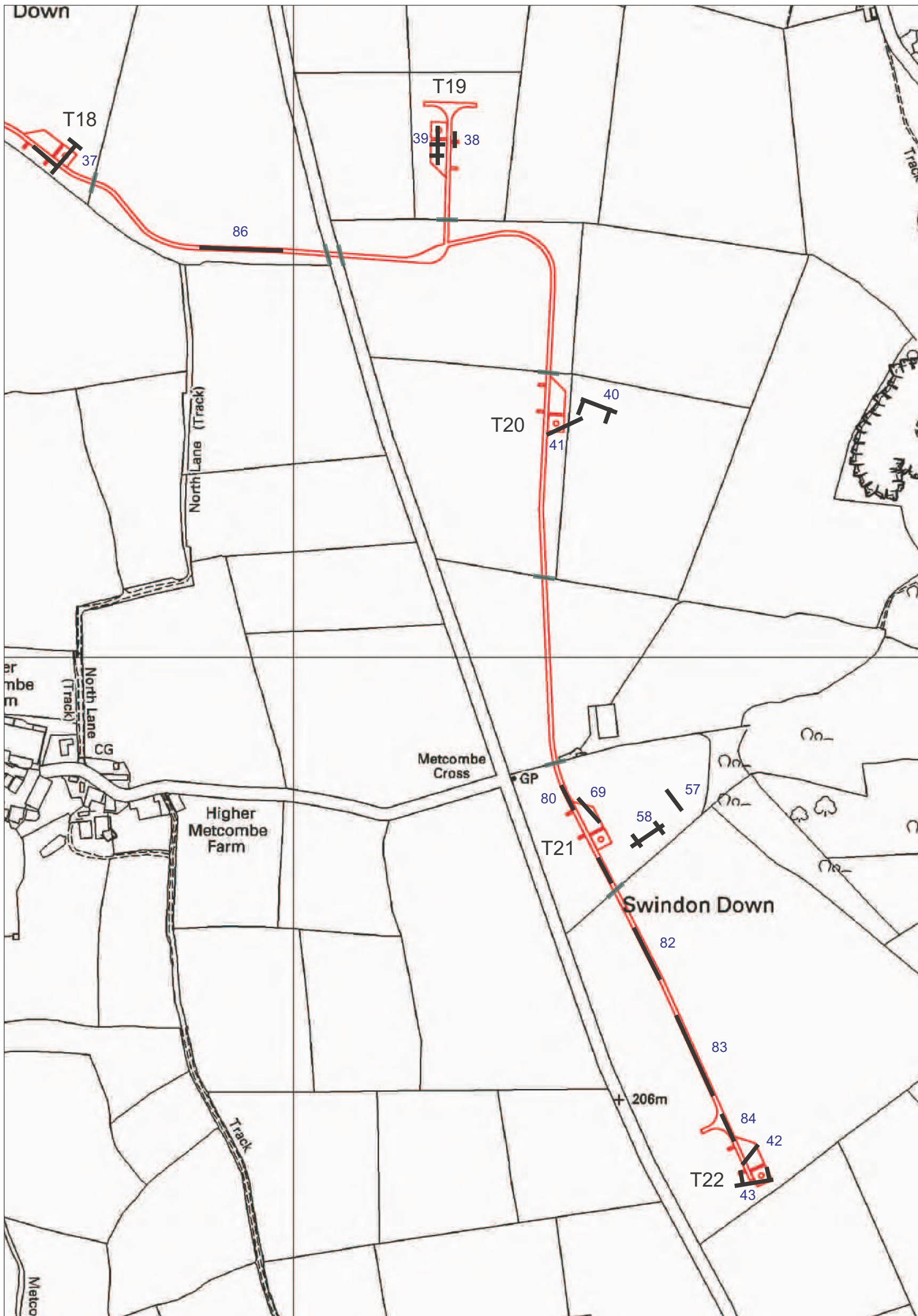
0 500m





- T17 Turbine number
-  Route of access road
-  56 Trench number
-  Area of archaeological monitoring and recording
-  Breached hedge bank to be recorded

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Fullabrook Wind Farm

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Fig. 11: Location of trenches:
Southern area



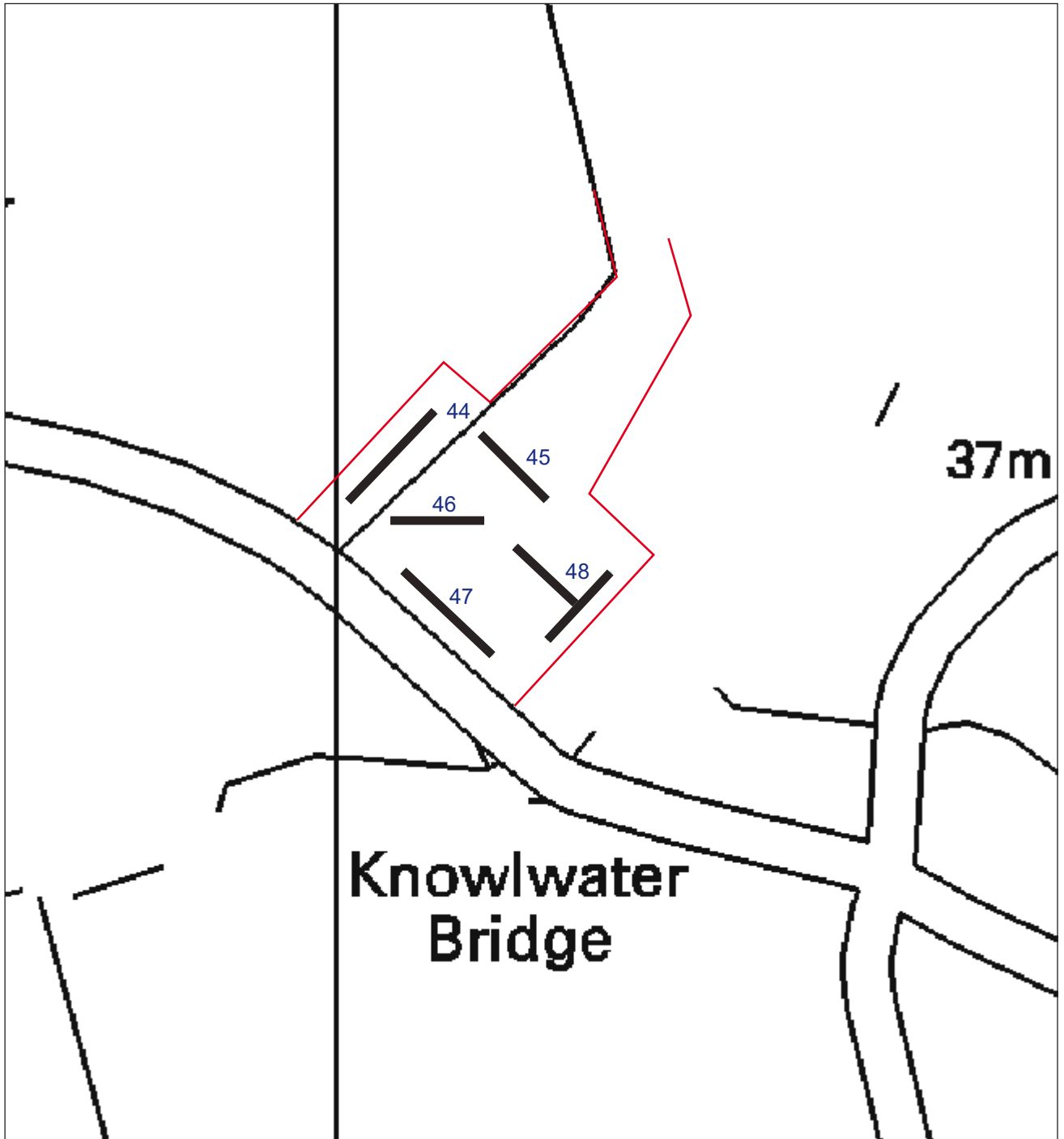


- T17 Turbine number
 -  Route of access road
 -  56 Trench number
 -  Area of archaeological monitoring and recording
 -  Breached hedge bank to be recorded
- 0 500m

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Fig. 12: Location of trenches:
Central (east) area





 Sub-station location

 56 Trench number

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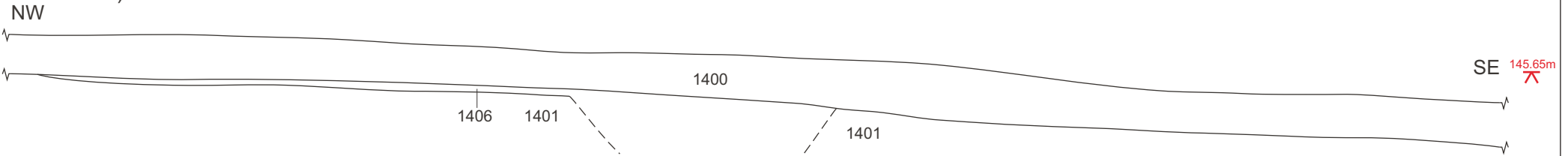
Fullabrook Wind Farm

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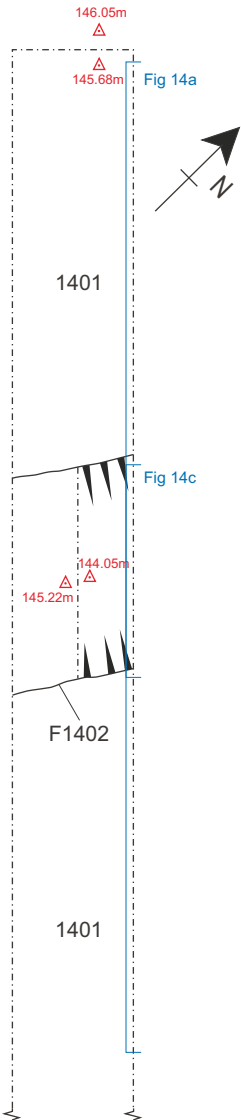
Fig. 13: Location of trenches:
Sub-station



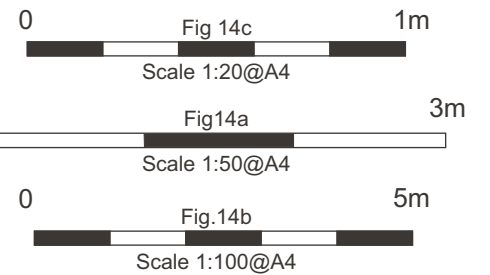
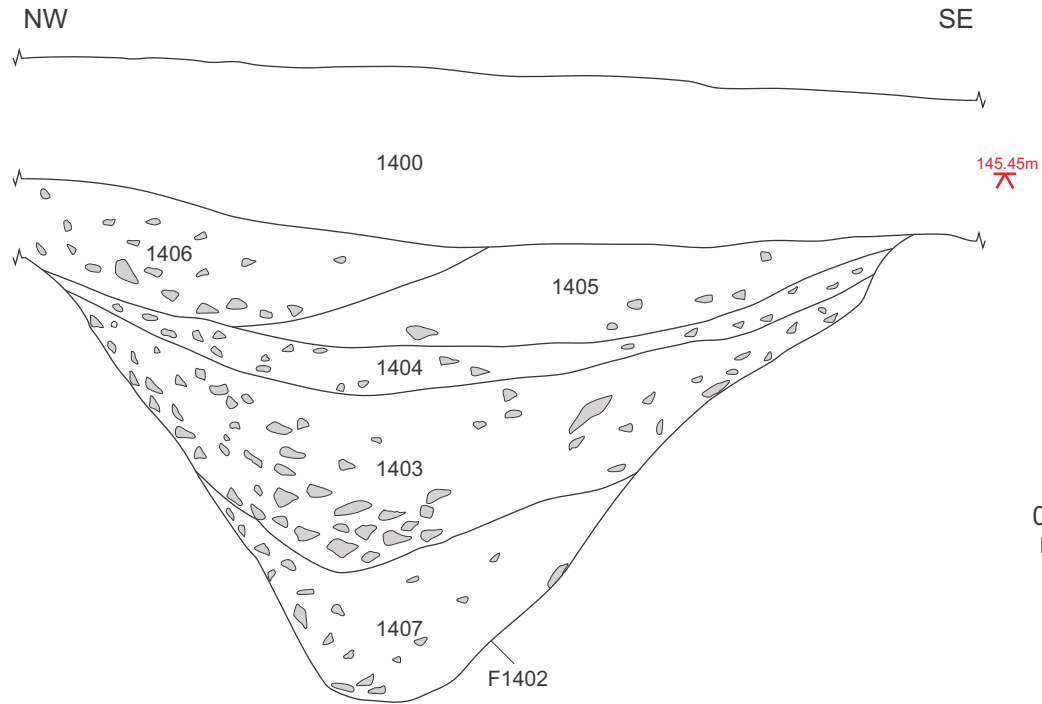
a) Section of Trench 14



b) Plan of Trench 14



c) Section of feature F1402



PROJECT

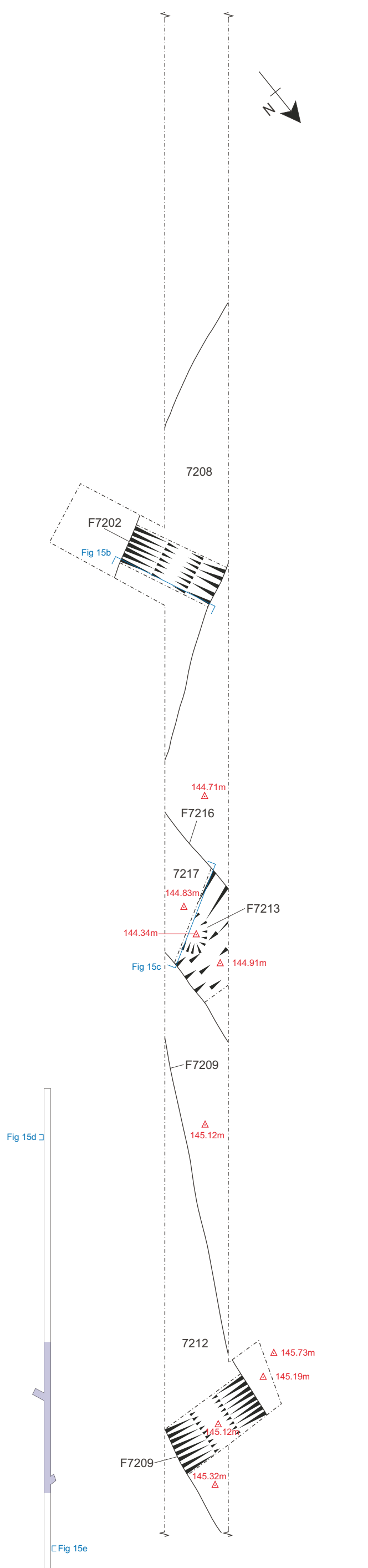
Fullabrook Wind Farm

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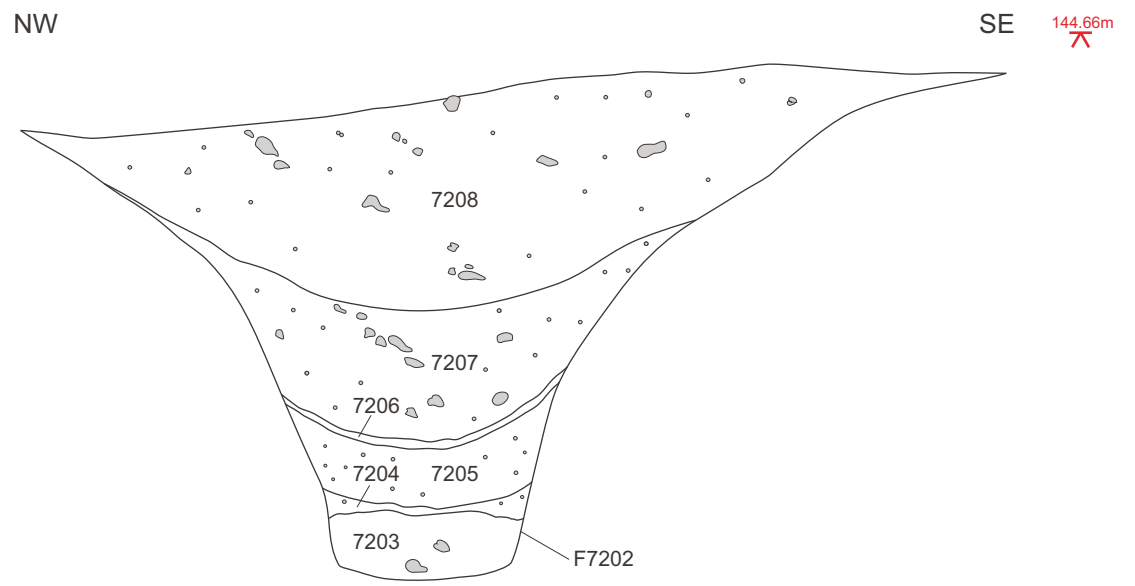
Fig.14: Trench 14, turbine area 6



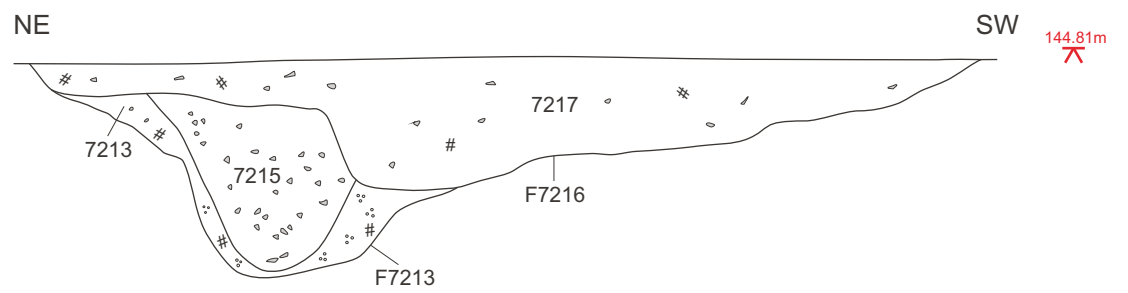
a) Plan of Trench 72



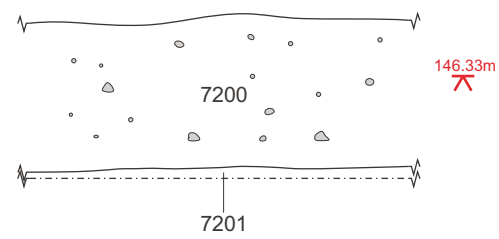
b) Section of feature F7202



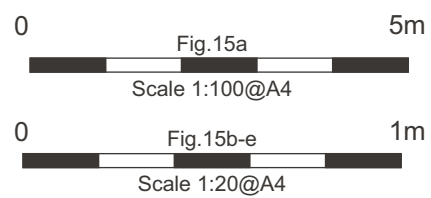
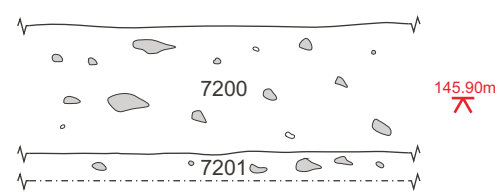
c) Section of feature F7213



d) Representative section of Trench 72



e) Representative section of Trench 72



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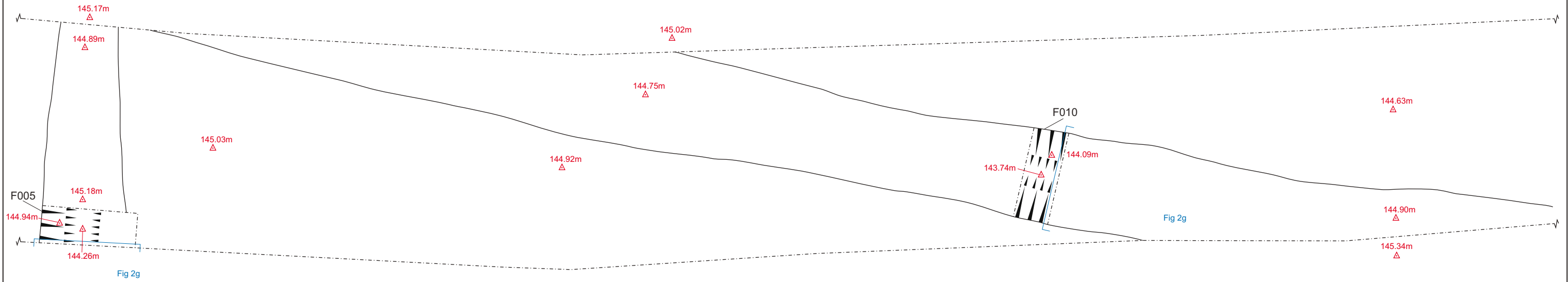
Fullabrook Wind Farm

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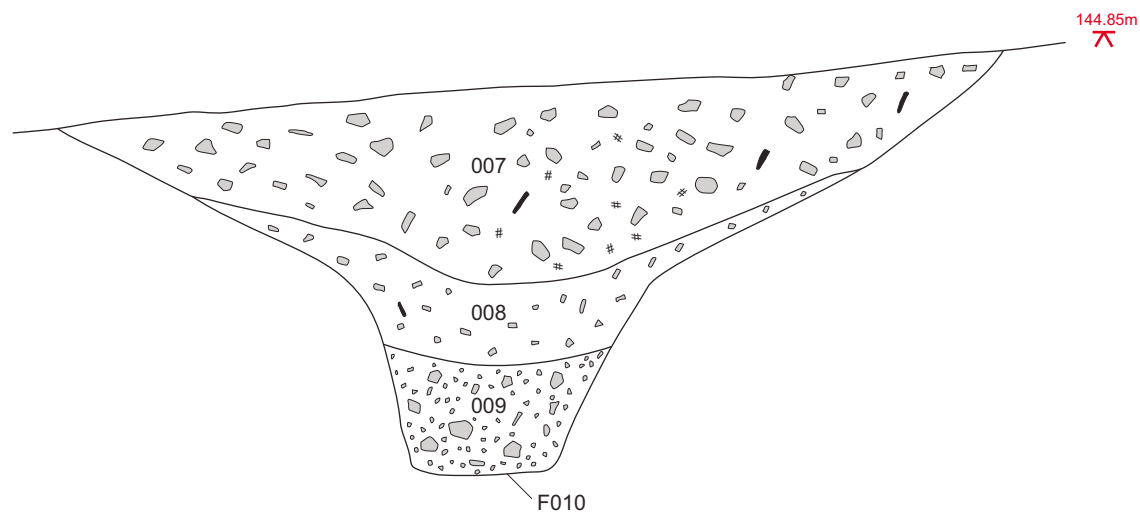
Fig. 15: Trench 72, turbine area 6



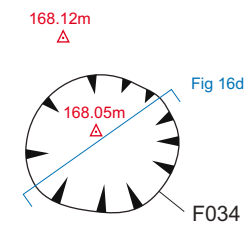
a) Plan of access road adjacent to turbine area 6



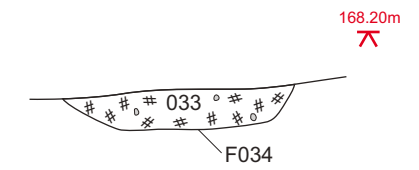
b) Section of feature F010



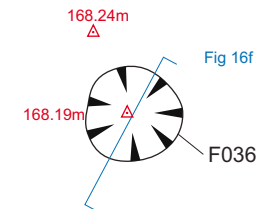
c) Plan of feature F034, turbine area 11



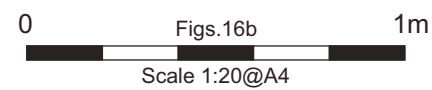
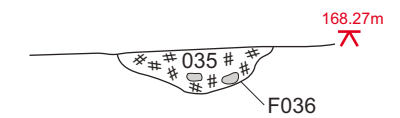
d) Section of feature F034, turbine area 11



e) Plan of feature F036



f) Section of feature F036



- # Charcoal
- Mudstone
- / / Shale/slate

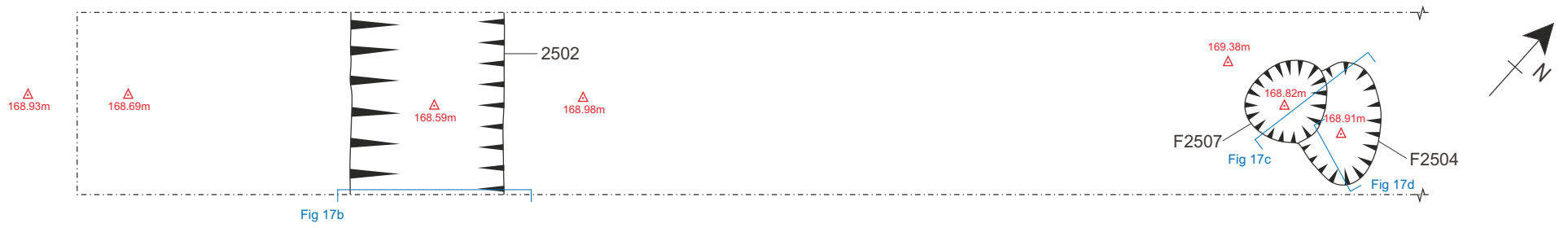
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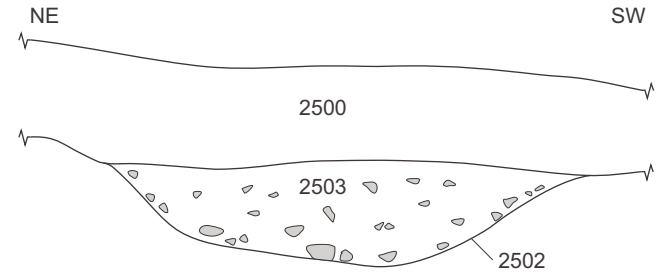
Fig. 16: Excavation along access roads adjacent to turbine areas 6 and 11



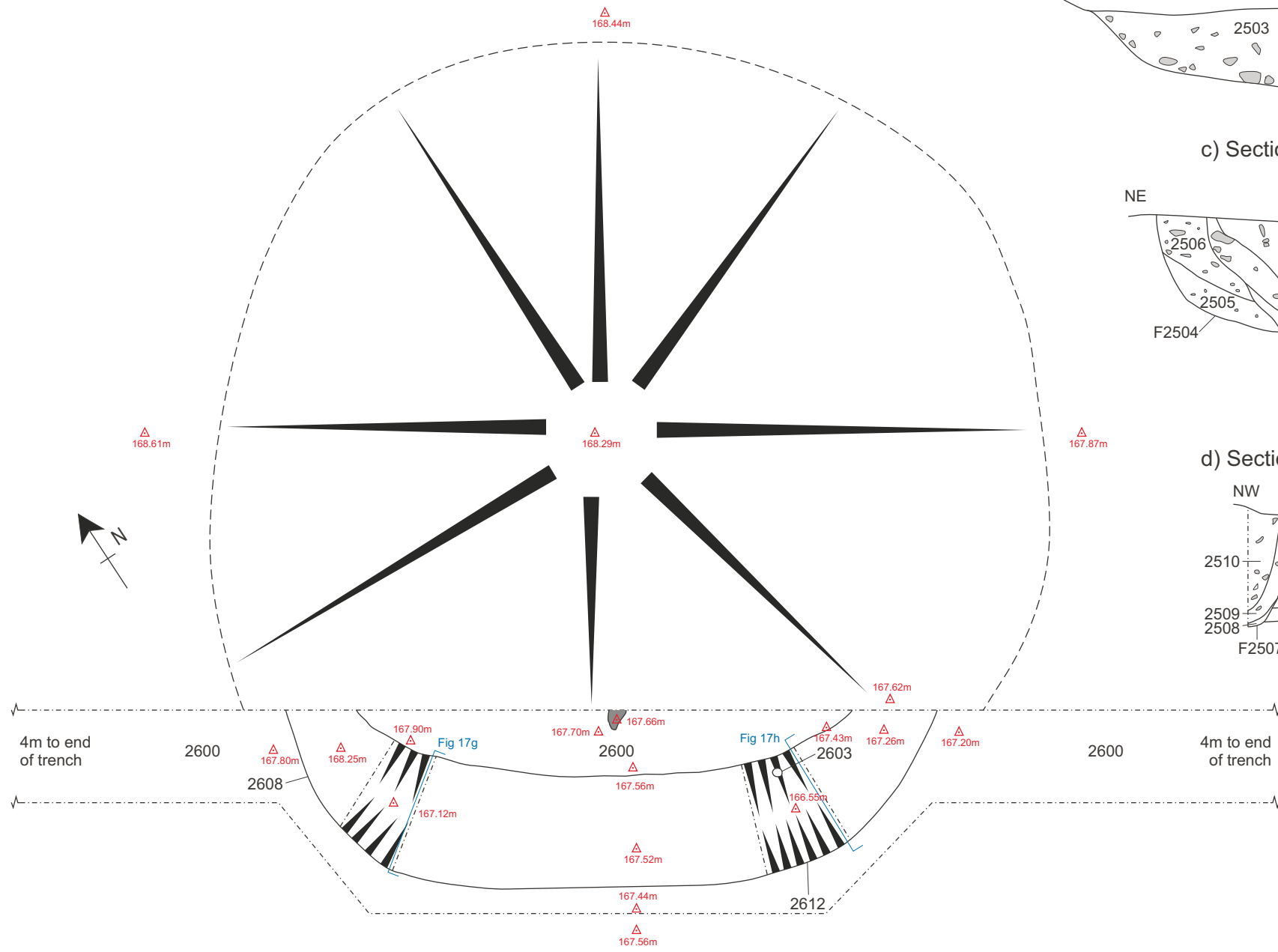
a) Plan of Trench 25



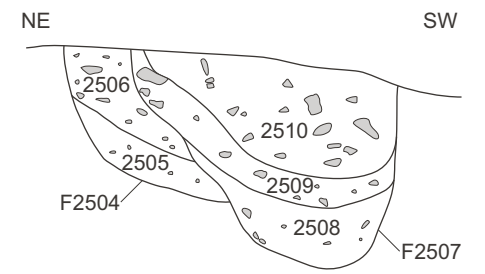
b) Section of F2503



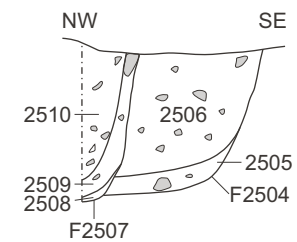
e) Plan of ringditch and associated earthwork, Trench 26



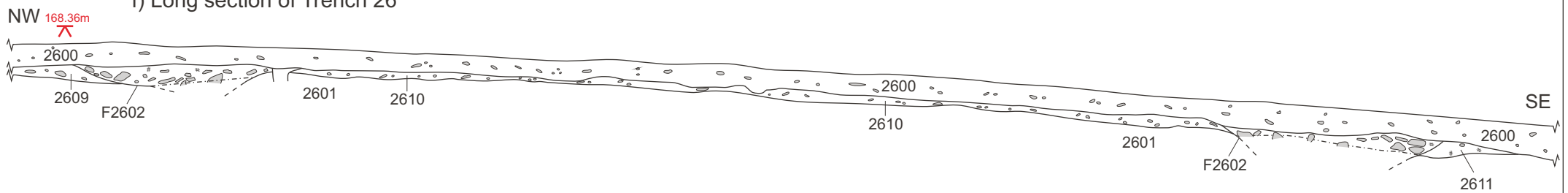
c) Section of F2507



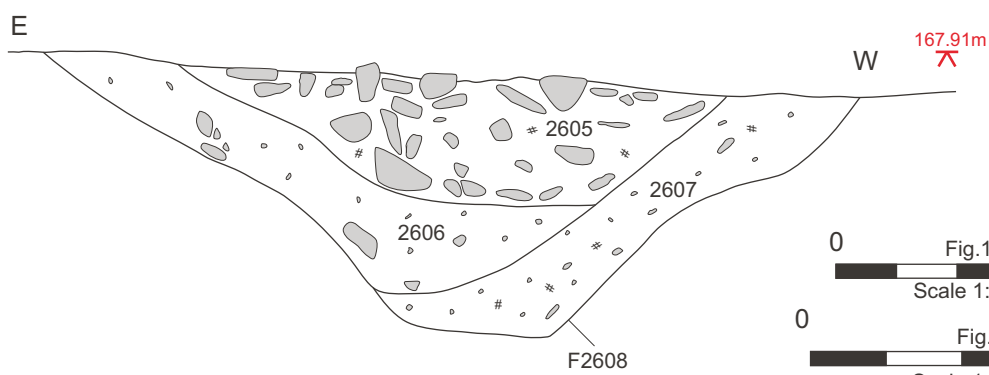
d) Section of F2507 and F2504



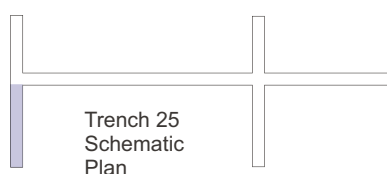
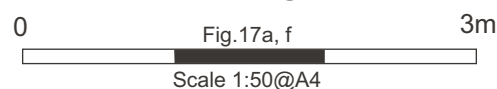
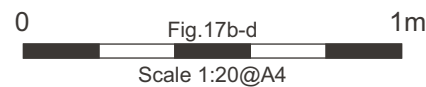
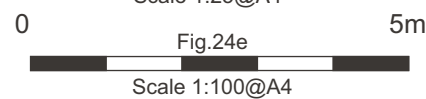
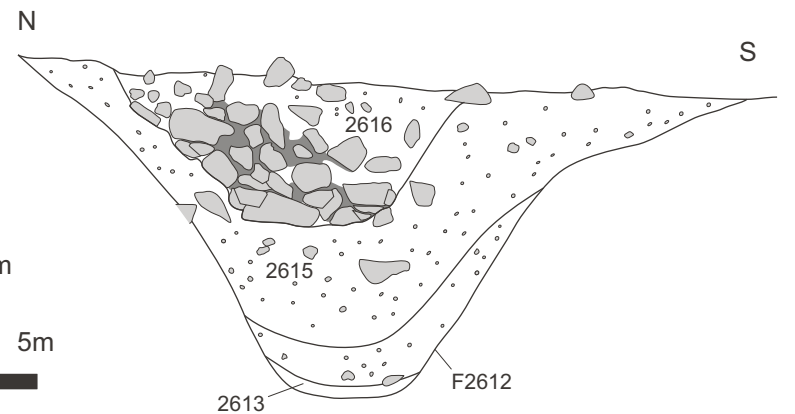
f) Long section of Trench 26



g) Section of F2608



h) Section of F2608



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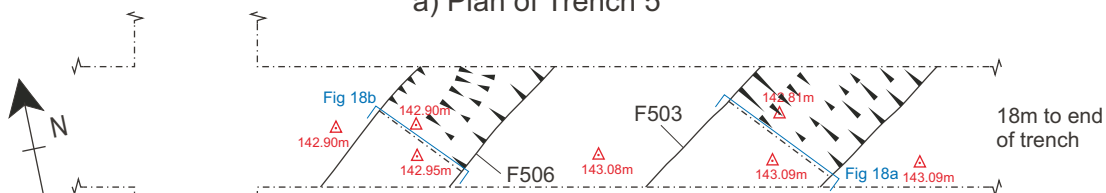
Fullabrook Wind Farm

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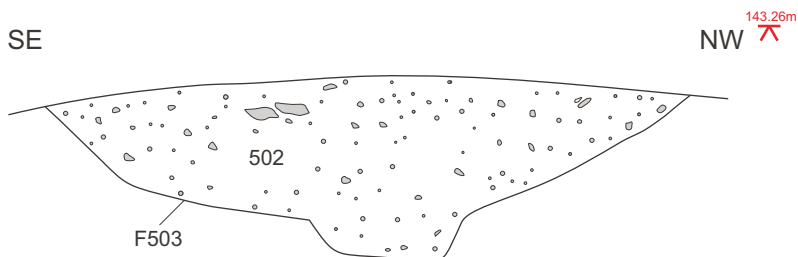
Fig.17: Trenches 25 and 26, and other features, turbine area 11



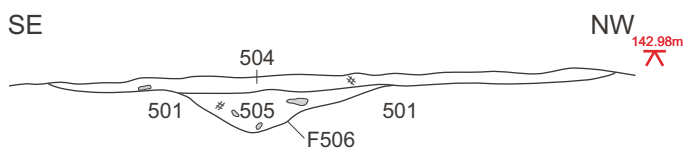
a) Plan of Trench 5



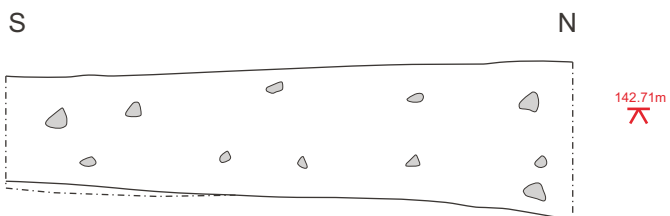
b) Section of linear feature F503



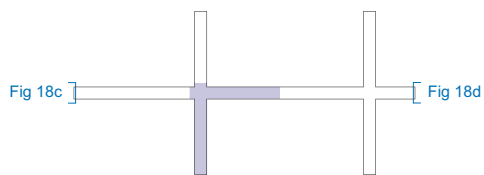
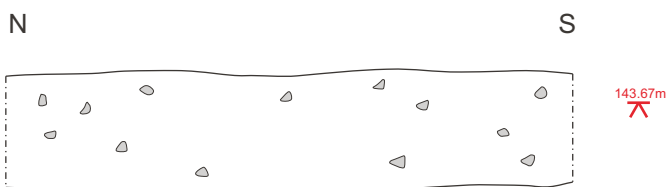
c) Section of linear feature F506



c) Representative section, west end of trench 5



d) Representative section, east end of trench 5



Trench 5 Schematic plan



Scale 1:100 @ A4

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Fullabrook Wind Farm

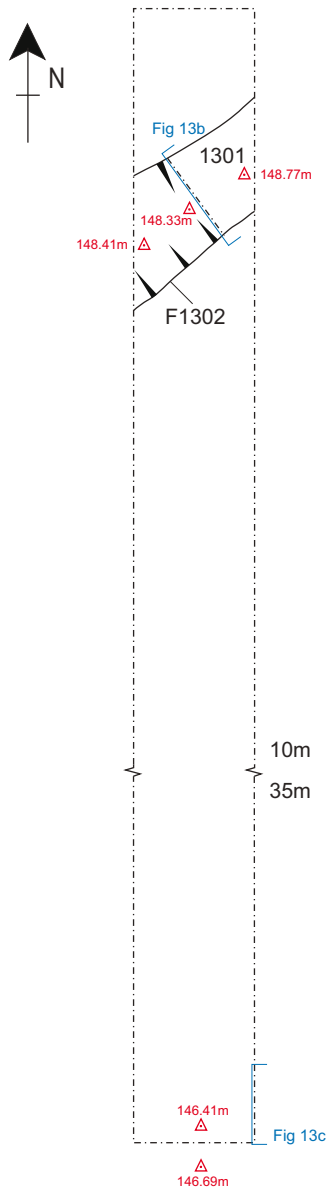
TITLE

Fig.18: Trench 5, turbine area 3

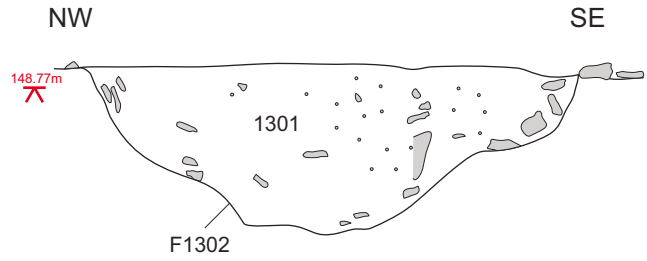


archaeology

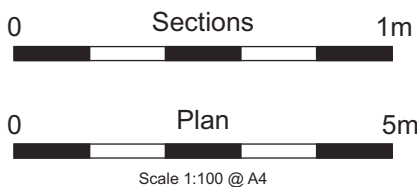
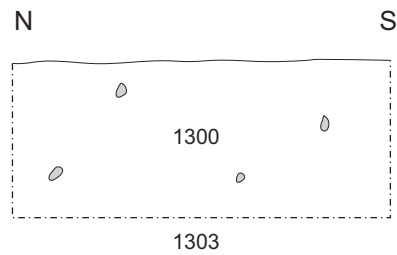
a) Plan of Trench 13



b) Section of linear feature F1302



c) Representative section Trench 13



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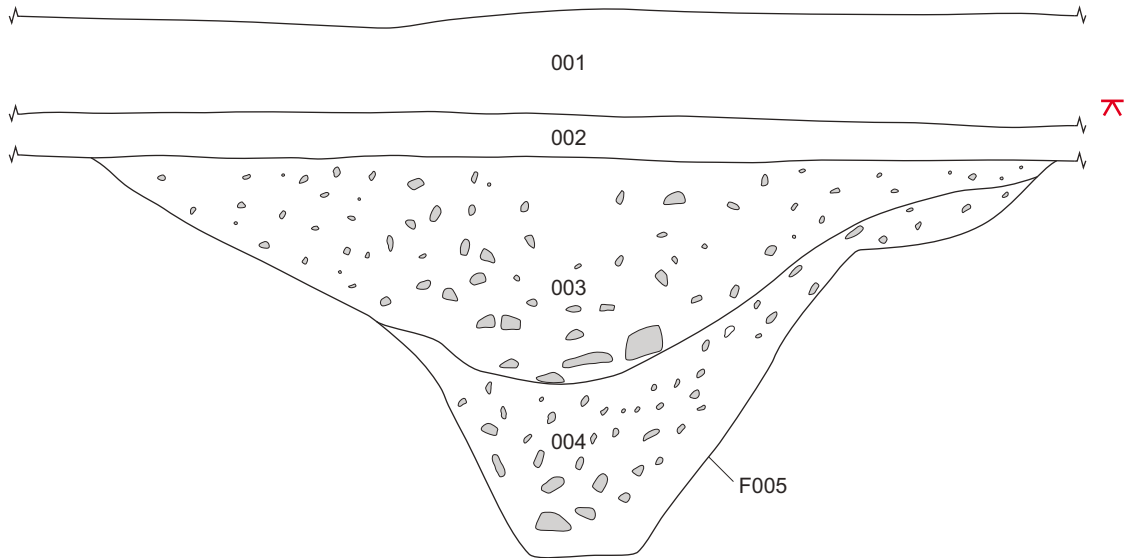
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TITLE

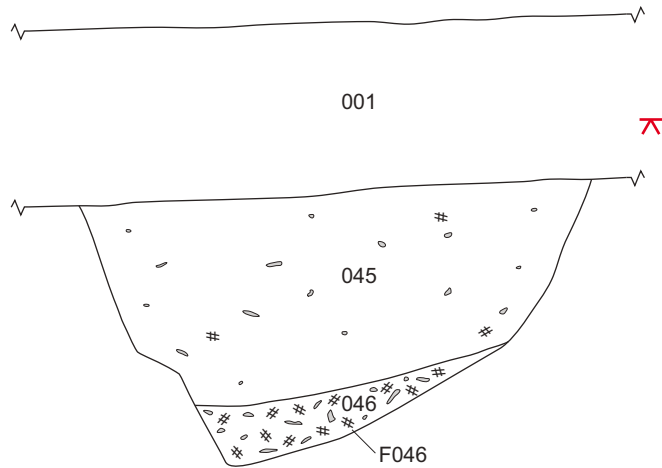
Fig.19: Trench 13, turbine area 6



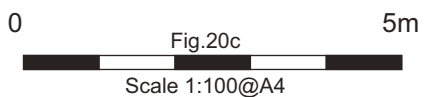
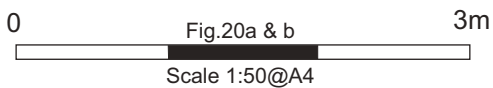
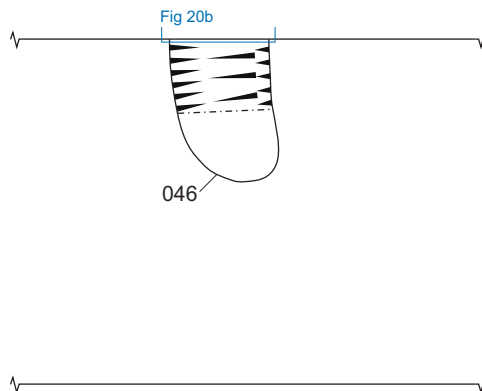
a) Section of feature F005



b) Section of feature F046



c) Plan of feature 046, access track near Turbine 26



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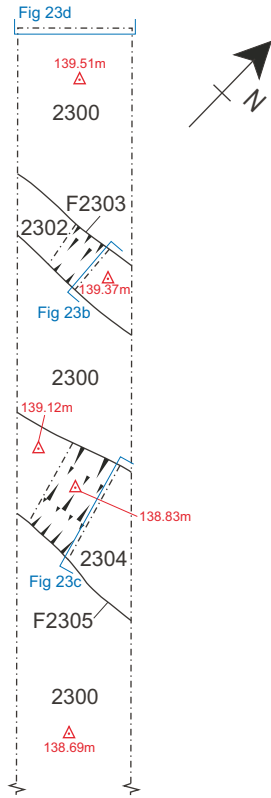
Fullabrook Wind Farm

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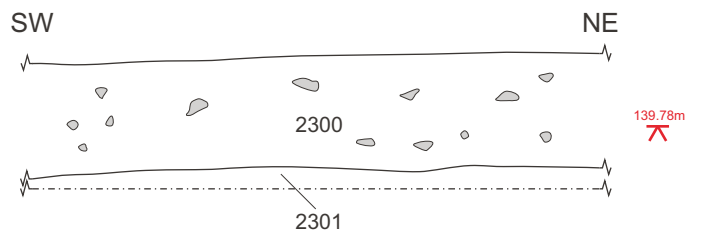
Fig.20: Excavation along access road adjacent to turbine area 26



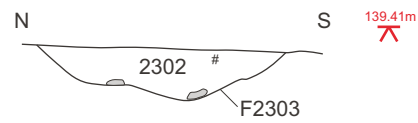
a) Plan of excavated features, Trench 23



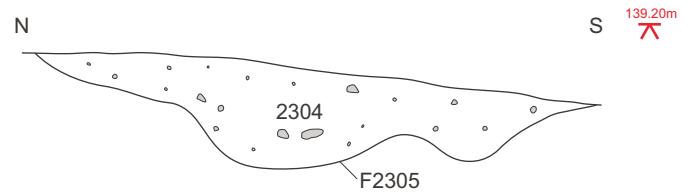
b) Representative section, Trench 23



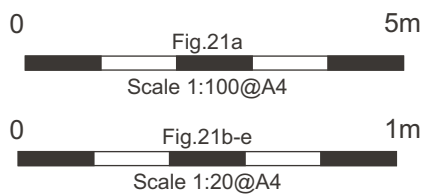
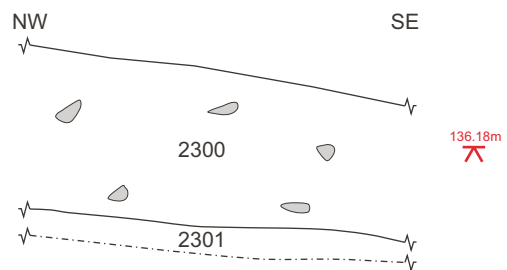
c) Section of feature F2303



c) Section of feature F2305



e) Representative section, Trench 23



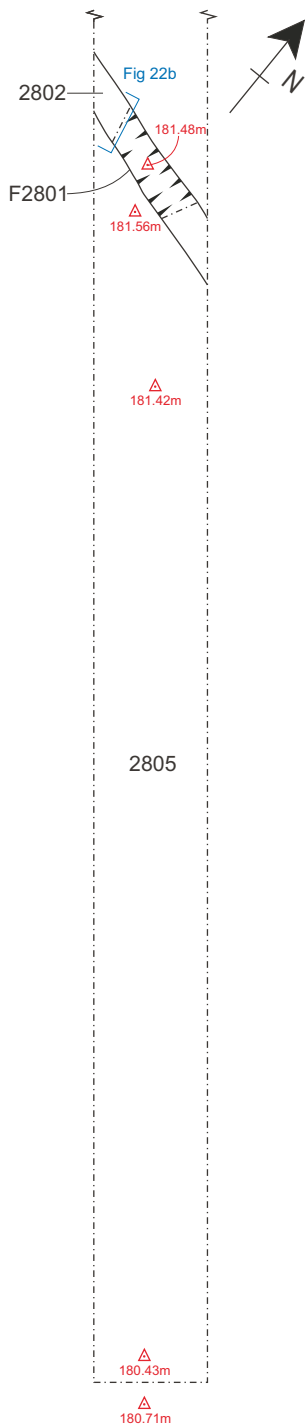
PROJECT

Fullabrook Wind Farm

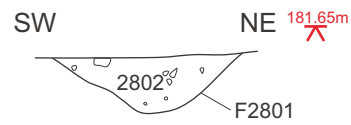
TITLE

Fig.21: Trench 23, turbine area 10

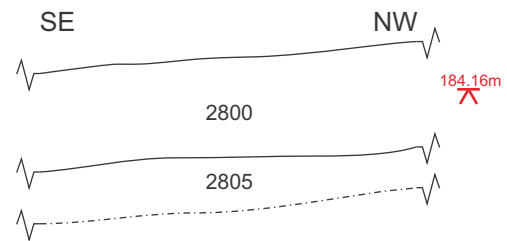
a) Plan of Trench 28



b) Section of linear feature F2801



c) Representative section of Trench 28



d) Representative section of Trench 28

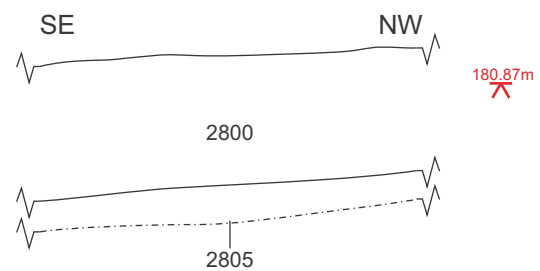
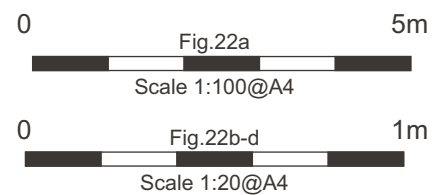


Fig 22c
Fig 22d

Trench 28
Schematic
Plan



PROJECT

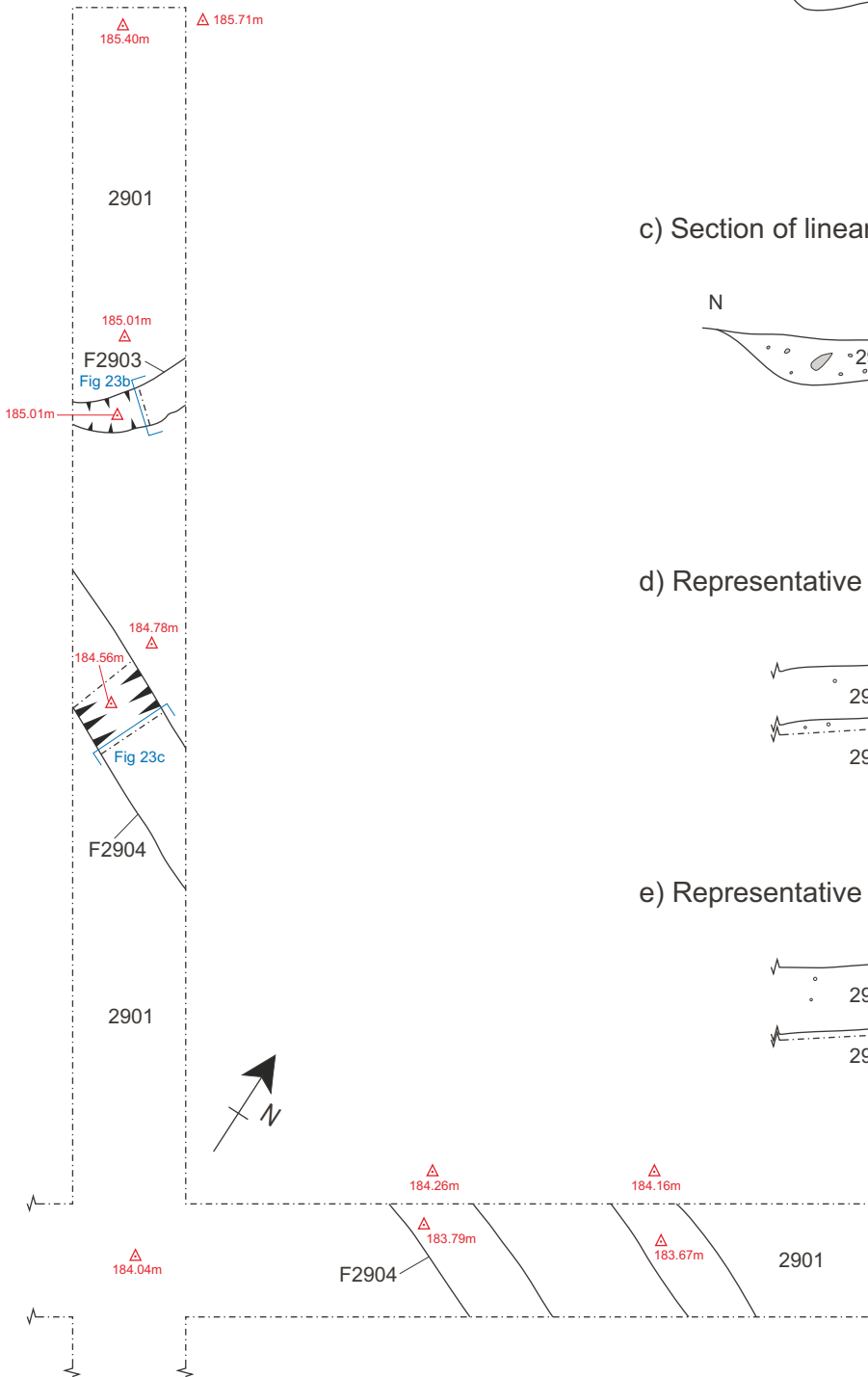
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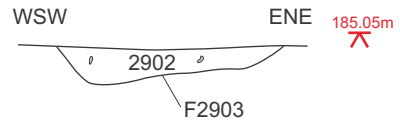
Fig.22: Trench 28, turbine area 13



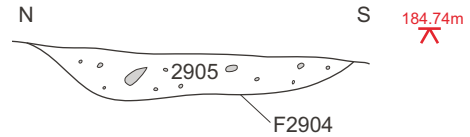
a) Plan of Trench 29



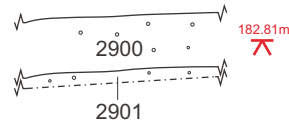
b) Section of linear feature F2902



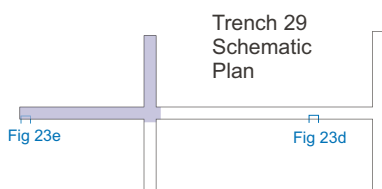
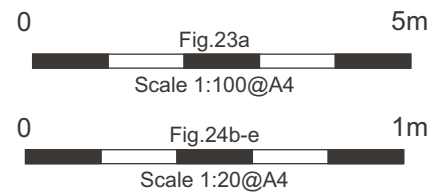
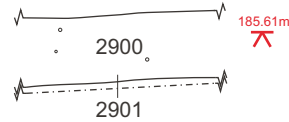
c) Section of linear feature F2904



d) Representative section of Trench 29



e) Representative section of Trench 29



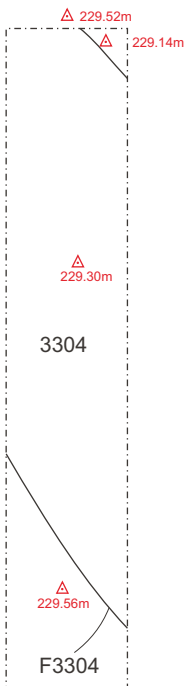
PROJECT

Fullabrook Wind Farm

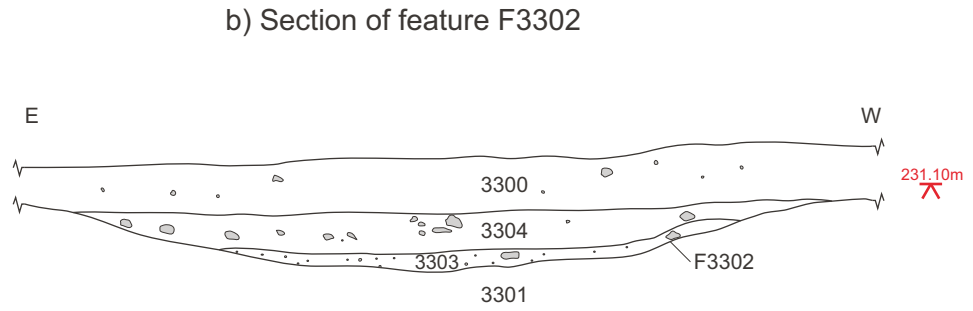
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Fig.23: Trench 29, turbine area 13



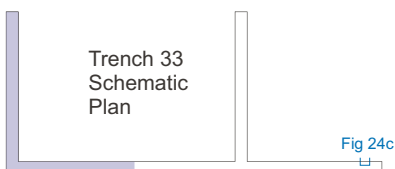
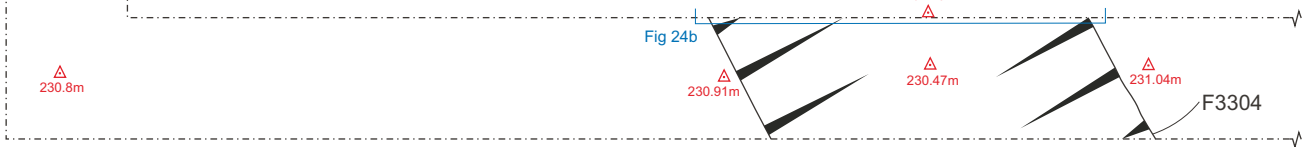
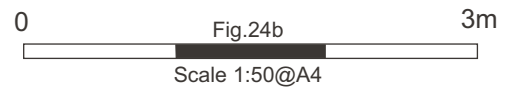
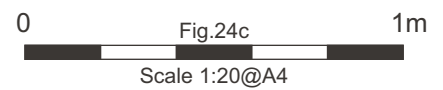
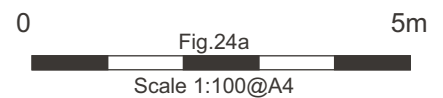
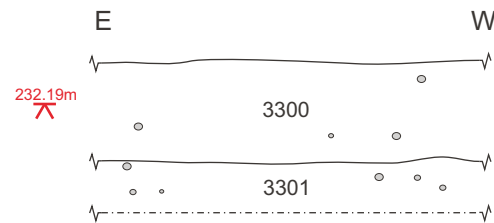


a) Plan of Trench 33



b) Section of feature F3302

c) Representative section of Trench 33



PROJECT

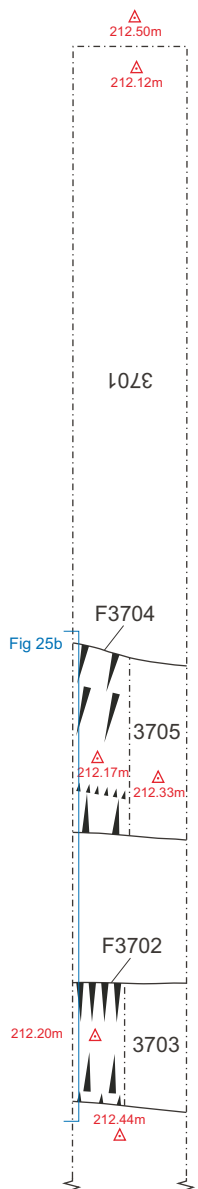
Fullabrook Wind Farm

TITLE

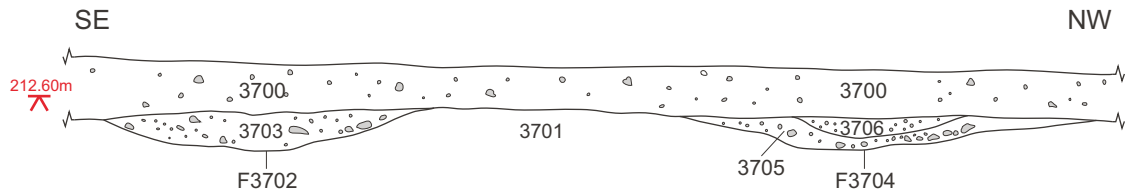
Fig.24: Trench 33, turbine area 16



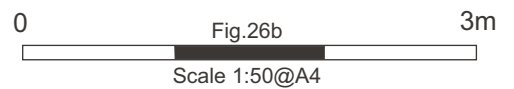
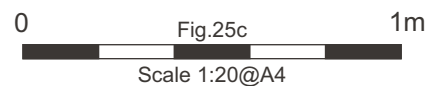
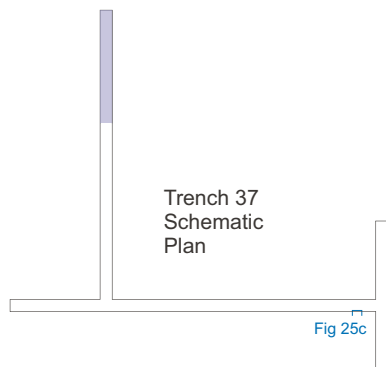
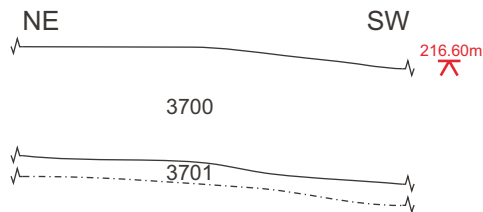
a) Plan of Trench 37



b) Section of features F3702 and F3704



c) Representative section of Trench 37



PROJECT

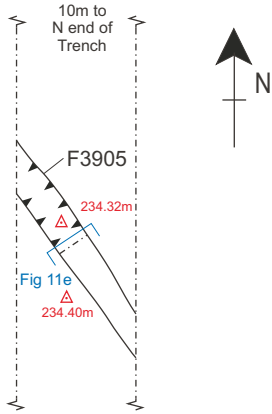
Fullabrook Wind Farm

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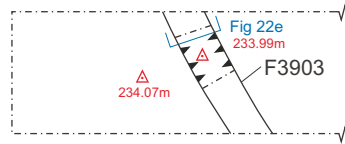
Fig.25: Trench 37, turbine area 18



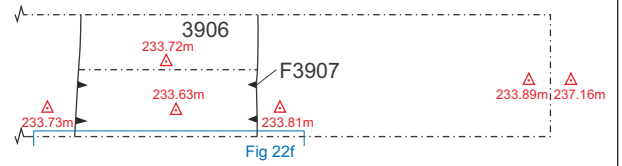
a) Plan of Trench 39



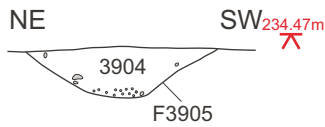
b) Plan of Trench 39



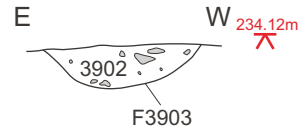
c) Plan of Trench 39



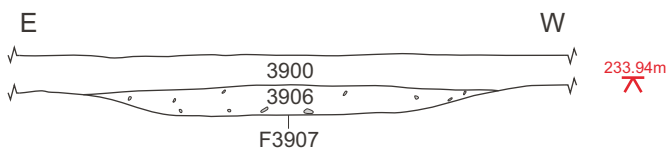
d) Section of feature F3905



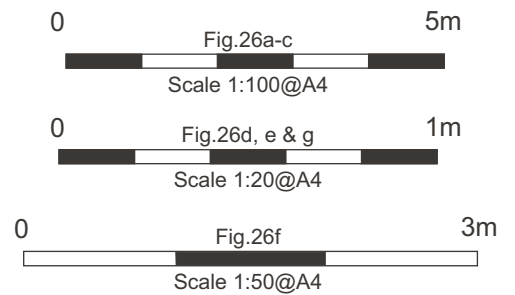
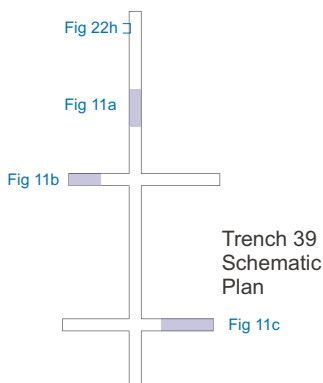
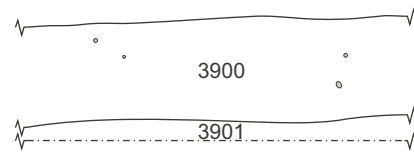
e) Section of feature F3903



f) Section of feature F3907



g) Representative Section of Trench 39



PROJECT

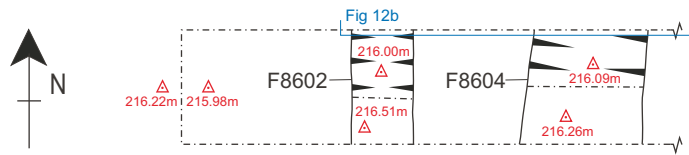
Fullabrook Wind Farm

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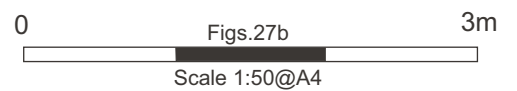
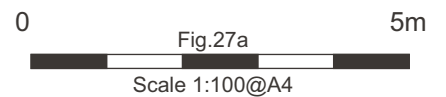
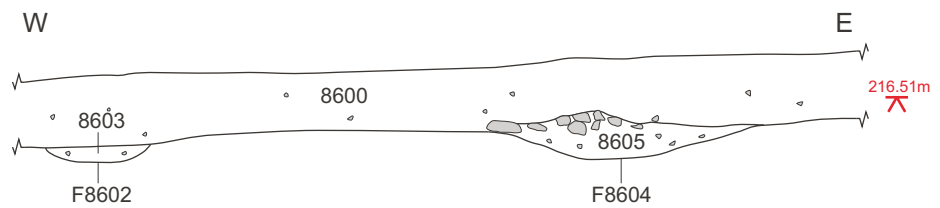
Fig.26: Trench 39, turbine area 19



a) Plan of excavated features F8602 and F8604, Trench 86



b) Sections of features F8602 and F8604



Trench 86
Schematic
Plan

PROJECT

Fullabrook Wind Farm

TITLE

Fig.27: Trench 86, excavation
area B





Plate 1. Trench 14, section through ditch 1402, viewed from southwest. (Scale 1m)



Plate 2. Trench 72, section through ditch 7202, viewed from northeast. (Scale 2m)



Plate 3. Trench 72, ditch 7209, viewed from south.
(Scales 1m)

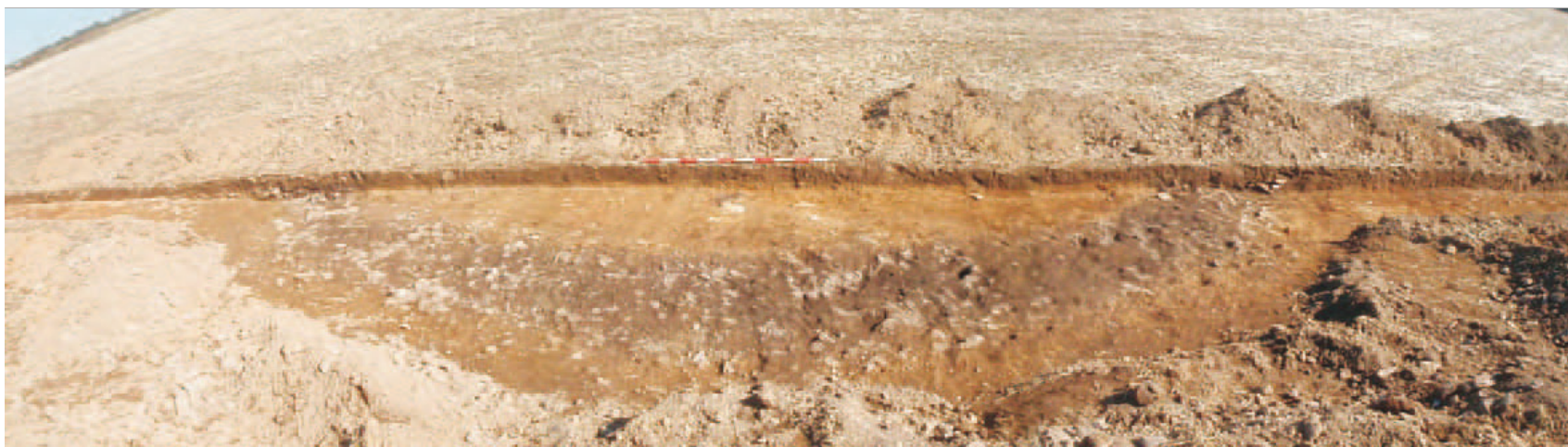


Plate 4. Trench 26,
pre-excavation view of
barrow and ditch 2608,
viewed from southeast.
(Scale 2m)



Plate 5. Trench 26, post-excitation view of barrow and ditch 2608, viewed from northwest. (Scale 1m)

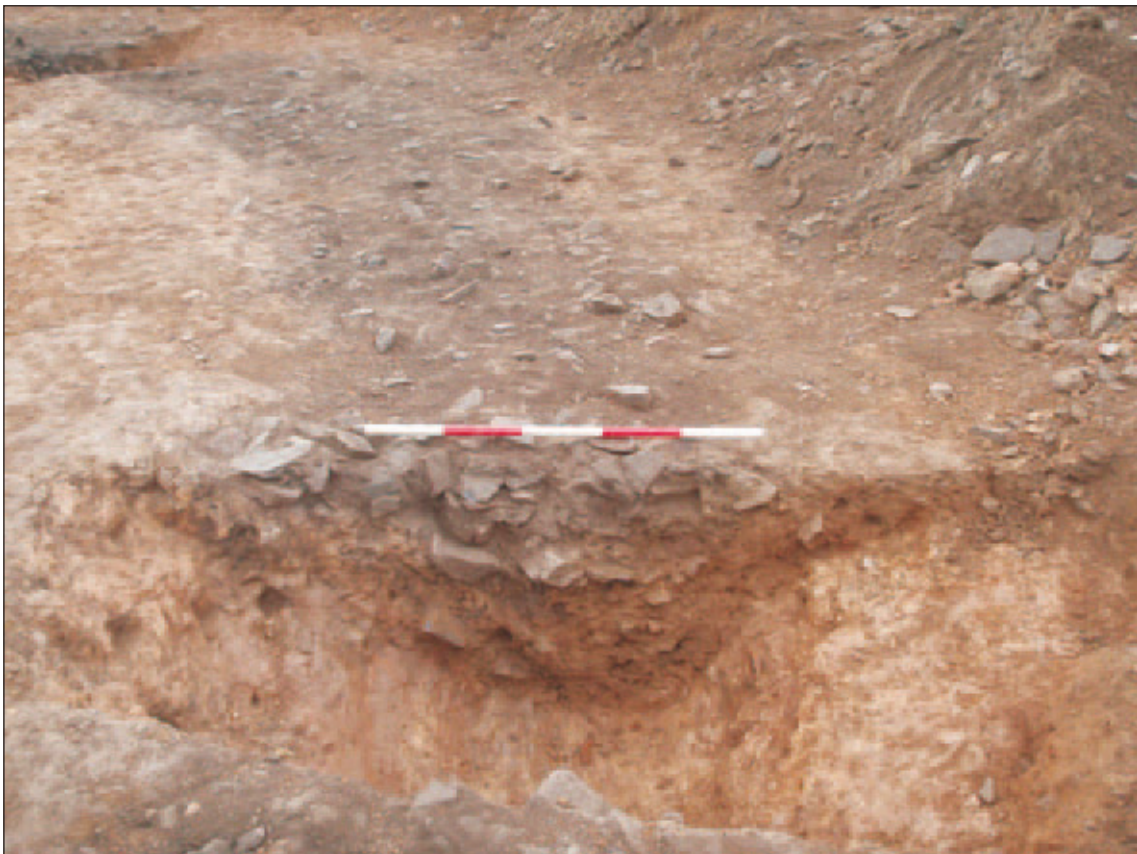


Plate 6, Trench 26, section through ditch 2608, viewed from north. (Scale 1m)

Appendix 1

Geophysical survey report

GSB Survey No. 2010/12

Geophysical Survey of Fullabrook Wind Farm Trackways

NGR	SS 519 370 (approximate southern extent) to SS 539 415 (northern extent).
Location	Sections of proposed access tracks extending across Fullabrook Down from 1.5km west-south-west of Pippacott to 0.75km north-west of Bittadon; the sites lie between 3km and 7km east to north-east of the town of Braunton.
County	Devon.
District	North Devon District.
Parish	Marwood CP.
Topography	The survey areas were either level or gently sloping.
Current land-use	Mix of arable, both stubble and young crop, and pasture.
Soils	Manod association (611c): well drained fine loamy or silty soils over rock in the northern half of survey. Denbigh 1 (541j): well drained fine loamy and fine silty soils over rock, some bare rock locally in the southern extent of survey. (<i>Soils of England and Wales. Sheet 5, South West England. Soil Survey of England and Wales. 1983</i>).
Geology	Lower Old Red Sandstone and Downtonian.
Archaeology	No details of known archaeology have been provided.
Study Area	3.9 Hectares.
Survey Methods	Detailed Fluxgate Gradiometry.

Aims

To locate and characterise any anomalies of possible archaeological interest within the application area. The work forms part of a wider archaeological assessment being carried out by **AC archaeology** on behalf of **ESBI**.

Summary of Results*

The survey has revealed a complex series of datasets within which it has often been difficult to assign definitive interpretations owing to the narrow survey corridor. Natural anomalies (probably born of geological variation), ridge and furrow, ditch sections, former boundaries and some potential pits have been identified along with numerous trends. Many of the trends appear to be agricultural or natural but some have a more enigmatic distribution, perhaps indicating subtle archaeological features; however, without seeing the wider context, these remain open to interpretation. A large number of anomalies have had to be classified as having *Uncertain Origin* as it is not clear whether they are poorly defined archaeological features, natural variation or deeply buried ferrous material. Survey over the northernmost sections of track was not possible as the access road had already been laid.

Project Information

Project Co-ordinator: J Adcock
Project Assistants: J Anderson, G Attwood, J Tanner
Date of Fieldwork: 9th - 11th February 2010
Date of Report: 16th February 2010

***It is essential that this summary is read in conjunction with the detailed results of the survey.**

Survey Specifications

Method

The survey grid was set out and tied in to the Ordnance Survey (OS) grid using a Topcon RTK GPS system. A copy of the georeferenced results in AutoCad format is included on the Archive CD.

Technique	Traverse Separation	Reading Interval	Instrument
Magnetometer - Scanning (Appendix 1)	-	-	-
Magnetometer – Detailed (Appendix 1)	1m	0.25	Bartington Grad 601-2
Resistance – Twin Probe (Appendix 1)	-	-	-
Ground Penetrating Radar (GPR) (Appendix 1)	-	-	-

Data Processing

	Magnetic	Resistance	GPR
Zero Mean Traverse	Y	-	-
Step Correction	Y	-	-
Interpolate	Y	-	-
Filter	Y	-	-

Presentation of Results

Report Figures (Printed & Archive CD): Location, data plots and interpretation diagrams on base map (Figures 1 – 10).

Reference Figures (Archive CD): Data plots at 1:500 for reference and analysis. (See List of Figures).

Plot Formats: See Appendix 1: Technical Information, at end of report.

General Considerations

Conditions for survey were generally good with the designated survey areas being under short vegetation cover and over relatively even terrain. Data collection over the northernmost sections of the proposed route was precluded by the presence of an already constructed access track.

In many instances, the narrow survey corridor (10m) has complicated interpretation; without seeing the wider context of anomalies it is difficult to differentiate between what might be natural responses and those which are likely to be of archaeological origins.

Smaller scale ferrous anomalies ("iron spikes") are present, their form best illustrated in the XY trace plots. These responses are characteristic of small pieces of ferrous debris in the topsoil and are commonly assigned a modern origin. While the most prominent of these are highlighted on the interpretation diagram, they are not discussed in the text below unless considered relevant. There is often ferrous disturbance towards field boundaries owing to metal fencing, gates and other magnetic material within the boundaries.

Results of Survey

1. Magnetic Survey

Areas 1A - 1B

- 1.1 In general, the level of magnetic response was higher across the fields forming Area 1 than they were on any of the other sites; whilst this may be a geological effect rather than a magnetic enhancement brought about through anthropogenic activity, the latter cannot be entirely ruled out. The strong background has produced a complex dataset which is difficult to interpret and many of the responses appear to have a 'ferrous' component to them suggesting a relatively modern origin.
- 1.2 A strong linear anomaly (A) stands out, although attaching any kind of firm interpretation to such a short length is not possible. However, it lies at a very different angle to the majority of trends through these two survey areas (perhaps an effect of past cultivation). A number of amorphous responses (B) appear to be on this common alignment and could be the end of broad ridge and furrow, although this is somewhat speculative given the narrow survey strip; they could be natural variation.
- 1.3 Two possible pit type anomalies (C) have been singled out as their character in the XY trace plots is much smoother, with a negligible ferrous component, perhaps suggesting an archaeological origin. Again, natural soil variation could be responsible.

Area 1C

- 1.4 The data become clearer to the north, with less variation in the overall response, and there is a clear pattern of ridge and furrow (D) bound to the south by a well defined positive-negative-positive linear anomaly. This geophysical signature is typical of a stone bank style of field division, examples of which exist throughout this area; as such, this could be the remnants of a former field boundary.
- 1.5 Anomalies of uncertain origin have been noted throughout the survey area along with numerous trends, probably relating to agricultural activity. The linear anomalies (E) could be interpreted as a small enclosure, but this is a tentative interpretation as, without seeing the wider setting, they could be merely chance alignments of natural or agricultural anomalies.

Areas 2A – 2B

- 1.6 Amorphous anomalies, sporadic linear responses and trends litter these areas but whether they represent the denuded remnants of archaeological material or simply natural enhancement influenced by agriculture is impossible to say. A possible former boundary (F) crosses the survey area along with a ditch-like anomaly and possible pit (G) further south.

Areas 3A – 3D

- 1.7 This area looks to hold the strongest suggestion of archaeological deposits but interpretation is still far from certain. The zone of interest extends north of a strong ditch-like anomaly (H) and encompasses a number of other possible pits and ditches including one (I) which runs beside a group of strong anomalies that could indicate some kind of industrial activity. That said, the latter anomalies could be deeply buried ferrous material. It is also unclear as to the nature of the strong linear anomalies (J) at the northern end of the field: a trackway runs down the eastern side of Area 3 and it is possible that (J) relates to a former bank beside the track, as seen in the field to the north (Area 2). A similar effect is seen in the southernmost section of Area 3 (3A).
- 1.8 The southern half of Area 3 is magnetically 'quieter' with little more than isolated trends that look as though they may relate to past agriculture and possibly the edge of a farm track.

Area 4

- 1.9 It has not been possible to interpret the origin of anomalies detected in Area 4 – their form is not distinct enough to assess their archaeological potential. The restricted survey area has precluded analysing their wider distribution.

Areas 5A – 5E

- 1.10 There is a distinct shared orientation to the trends and anomalies in Area 5, and they all run down-slope. The broad amorphous, positive and negative anomalies (K) look like geological variation, possibly with former ploughing striations overlying. The possible ploughing trends continue throughout, although occasionally stronger linear anomalies could represent ditches lying in a similar orientation.
- 1.11 The positive and negative banding (L) seen in a few places across the survey area have not been categorised definitively as there is some question over whether they are simply further natural anomalies or something more significant. The possibility of ditches or furrows with a strongly enhanced fill cannot be ruled out without seeing the wider picture; in the north the responses are less clear and almost certainly natural in origin, while in the south the results indicate stronger and better defined linear bands, which adds to the ambiguity.
- 1.12 It is not clear whether the weak curving trends (M) are simply distorted plough marks or small enclosures, but the former is perhaps more likely. Similar uncertainty surrounds what appears to be a grouping of pits (N) – these could be deeper pieces of ferrous debris, or a coincidental alignment of natural / agricultural soil variation. There is no clear explanation for the increased response at the intersection of Areas 5D and 5E; it could simply be another zone of natural enhancement.

Areas 6A – 6D

- 1.13 Very little of archaeological note was recorded through Area 6. A number of broken linear anomalies and trends cross the area. Despite some of these curving and forming partial polygons, the likelihood is that they represent former phases of agriculture and natural variation, especially given the lack of associated features such as pits or ditches.
- 1.14 In the north, further natural responses have been recorded and are suspected to be the result of localised geological variation.

2. Conclusions

- 2.1 The narrow survey corridor has hampered the interpretation of what is already a fairly complex set of data plots. Very strong background magnetic values were recorded throughout Area 1 but it is unclear as to whether the origin of this elevated response is geological or anthropogenic. There is certainly ridge and furrow in at least one section, some potential pit-like anomalies as well as responses akin to ditches and/or former field boundaries. Area 2 contains a similar response pattern, although not quite as intense, again with potential ditch and boundary features crossing it and more ambiguous anomalies that could be natural or anthropogenic (of uncertain antiquity).
- 2.2 Area 3 has a distribution of anomalies that could be of archaeological interest with former ditches and boundaries and a potential area of industrial activity, although the latter interpretation remains tentative.
- 2.3 Areas 5 and 6 revealed what are thought to be broad natural anomalies running in bands across the survey grids. That said, questions remain over one or two of these zones in Area 5 as they have discrete and strong linear bands defined within them that could indicate some kind of archaeological feature; however, without seeing their broader distribution, this remains unclear.
- 2.4 All areas have revealed amorphous anomalies of *Uncertain Origin*, where it has been impossible to differentiate between potential archaeology, natural responses or deeply buried ferrous debris (for example, Area 4). Similarly, a multitude of trends are most likely to be of agricultural and natural origins, but a small number form incomplete patterns or arcs that could suggest subtle, weakly magnetic, archaeological features, although clearly, this remains speculative.

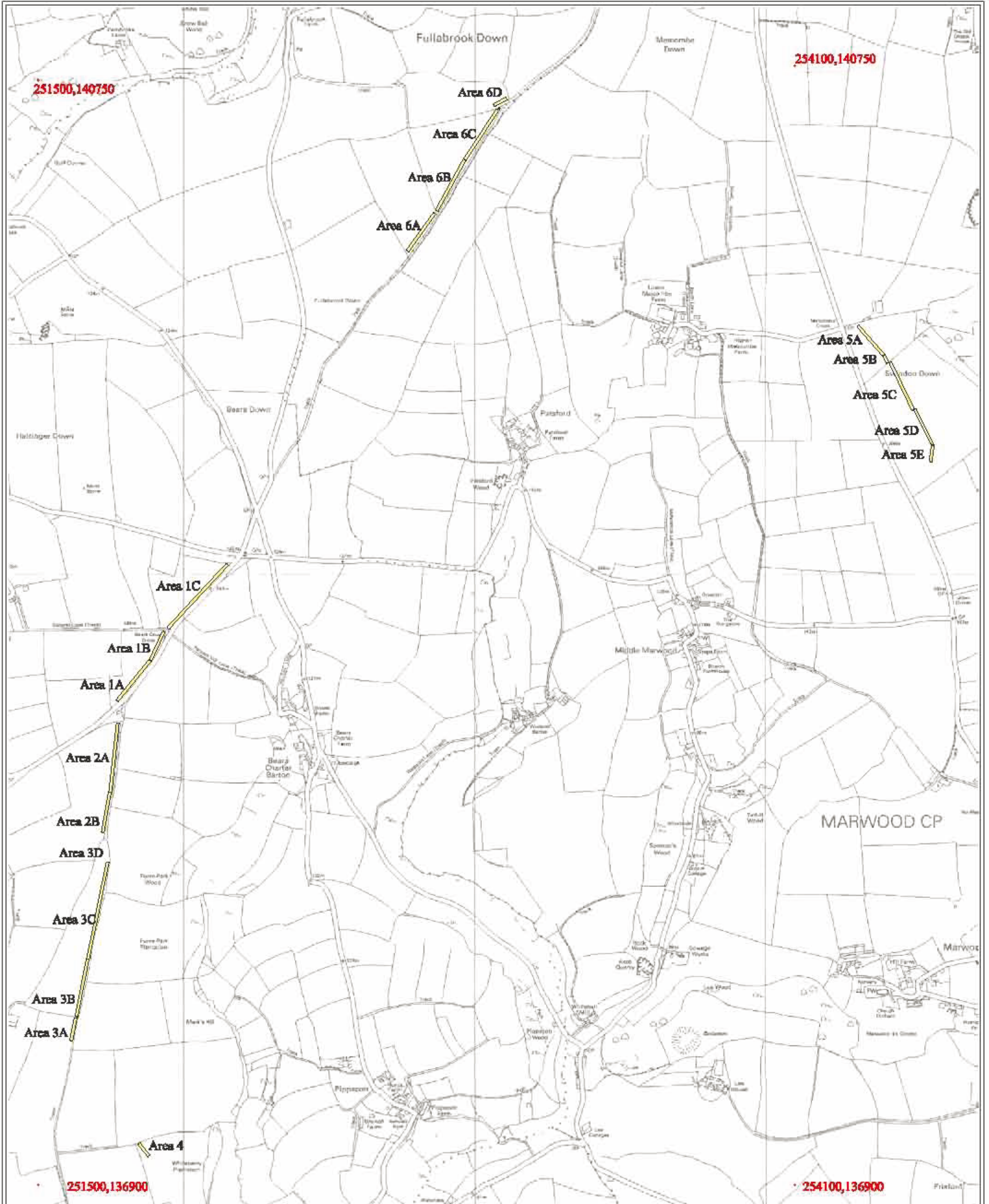
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Figure 6	Greyscale & Interpretation: Area 4	1:2000
Figure 7	Greyscales & Interpretation: Areas 5A to 5E	1:2000
Figure 8	Greyscales & Interpretation: Areas 6A and 6B	1:2000
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Reference Figures on CD

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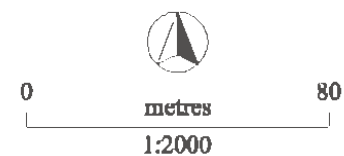
 Detailed Gradiometer Survey

GSB PROSPECTION Ltd.
2010/12 Fullbrook Wind Farm
Location of Survey Areas
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Figure 1



- ?Archacology
- Uncertain Origin
- Ferrous
- Trend

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Greyscales and Interpretation: Areas 1A and 1B
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Figure 2



 ?Archaeology

 Ridge & Furrow

 Trend

 Uncertain Origin

 Ferrous

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2010/12 Fullabrook Wind Farm

Greyscales and Interpretation: Area 1C

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Figure 3



7Archaeology

Uncertain Origin

Trund

Ferrous

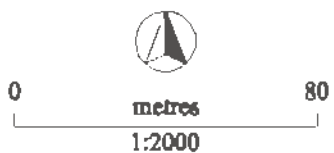
GSB PROSPECTION Ltd.

2010/12 Fullbrook Wind Farm

Greyscales and Interpretation: Areas 2A, 2B and 3D

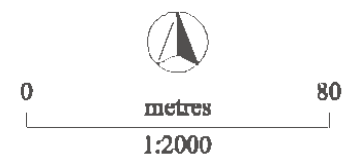
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Figure 4



- ?Archaeology
- Uncertain Origin
- Trend
- Ferrous

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Greyscales and Interpretation: Areas 3A to 3C
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Figure 5

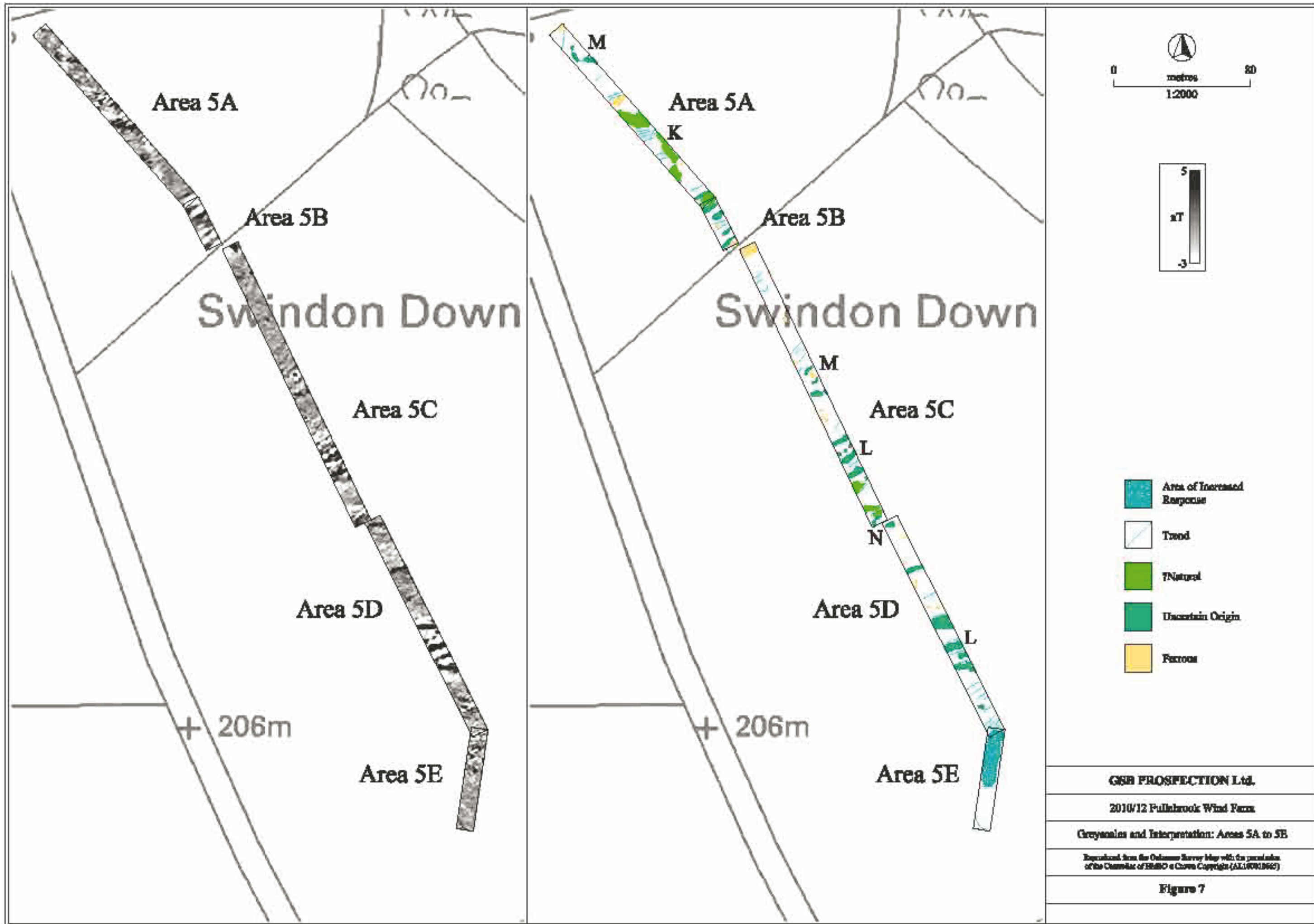


 Trend

 Uncertain Origin

 Ferrous

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2010/12 Fullabrook Wind Farm
Greyscale and Interpretation: Area 4
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Figure 6

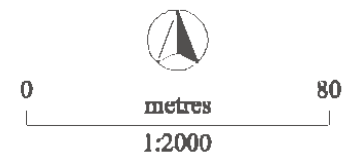




Trend

?Natural
Ferrous

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2010/12 Fullabrook Wind Farm
Greyscales and Interpretation: Areas 6A and 6B
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Figure 8



Area of Increased Response

Trend

Uncertain Origin

?Natural

Ferrous

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2010/12 Fullabrook Wind Farm

Greyscales and Interpretation: Areas 6C and 6D

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Figure 9

Appendix 2

Description of trenches with archaeological features

APPENDIX 2: Description of trenches with archaeological features

Turbine No: 3		Trench No: 5	Length (m): 65m	Width (m): 1.5m	Alignment: WNW-ESE
Context	Depth below ground level (m)	Description			Interpretation
500	0 -0.3m	Mid brown clay silt			Topsoil
501	0.3m+	Mid greyish yellow clay shale			Natural
502	0.3 - 0.92m	Dark reddish brown silty sand			Fill of ditch [503]
503	0.3 - 0.92m	Linear feature, 1.7m wide by 0.62m deep with 20-30° sloping sides with stepped concave base. NE-SW aligned			Cut of probable post-medieval field boundary ditch
504	0.3 – 0.35m	Mid reddish brown silty clay			Upper fill of ditch [506]
505	0.3 – 0.41m	Mid yellow brown silty clay			Basal fill of ditch [506]
506	0.3 – 0.46m	Linear feature, 1.5m wide by 0.16m deep with gradually sloping 15-20° sides before dropping into a 30-40° steep concave base. NE-SW aligned			Cut of probable post-medieval field boundary ditch, parallel to [503]

Turbine No: 3		Trench No: 6	Length (m): 21m	Width (m): 1.5m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
601	0 – 0.3m	Dark reddish brown silty sand			Topsoil
602	0.3 – 0.75m	Mid brown clay silt			Fill of ditch [603]
603	0.3 – 0.75m	Linear feature, 1.52m wide by 0.45m deep with asymmetrical 20-45° sloping sides and concave base. NE-SW aligned			Cut of probable post-medieval field boundary ditch
604	0.75m+	Light yellowish brown silty sand			Natural

Turbine No: 6		Trench No: 12	Length (m): 50m	Width (m): 1.5m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
1201	0 - 0.35m	Dark greyish brown silty clay			Topsoil
1202	0.35m+	Mid greyish brown silty clay			Fill of ditch 1203
1203	0.35m+	Linear feature, 1.2m wide depth unknown as unexcavated as seen to be ditch associated with existing hedge			Cut of ditch associated with existing hedgerow
1204	0.35m+	Mid orange brown clay sand			Natural

Turbine No: 6		Trench No: 13	Length (m): 40m	Width (m): 1.6m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
1300	0 - 0.4m	Mid to dark brown sandy, silty clay			Topsoil

1301	0.4 – 0.85m	Mid brown red silty, sandy clay	Fill of ditch [1302]
1302	0.4 – 0.85m	Linear feature, 1.3m wide by 0.45m deep with irregular, stepped 45-50° sloping sides and rounded base	Cut of possible field boundary ditch
1303	0.85m+	Dark reddish orange sandy clay shillet	Natural

Turbine No: 6		Trench No: 14	Length (m): 30m	Width (m): 1.6m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
1400	0 – 0.47m	Mid greyish brown			Topsoil
1401	0.47m+	Mid brownish red clay			Natural
1402	0.47 – 1.77m	Linear feature, 2.3m wide by 1.2m deep with very steep 60-70° sloping sides and narrow rounded base. NE-SW aligned			Cut of prehistoric enclosure ditch
1403	0.87 – 1.37m	Mid brownish red silty clay			Secondary fill of ditch [1402]
1404	0.73 – 0.87m	Mid red silty clay shale			Tertiary fill of ditch [1402]
1405	0.47 – 0.73m	Mid reddish brown silty clay			Upper fill of ditch [1402]
1406	0.47 – 0.77m	Mid orangey reddish brown silty clay			Bank material for ditch [1402]
1407	1.37 – 1.77m	Mid orangey reddish brown silty clay			Basal fill of ditch [1402]

Turbine No: 7		Trench No: 17	Length (m): 205m	Width (m): 1.5m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
1700	0 – 0.35m	Dark brown silty clay			Topsoil
1701	0.35 – 0.55m	Mid orangey brown silty clay			Colluvial subsoil
1702	0.55 – 0.87m	Light greyish brown silty clay			Fill of ditch [1703]
1703	0.55 – 0.87m	Linear feature, 1.6m wide by 0.32m deep with 10-20° sloping sides and concave base. N-S aligned			Cut of probable field boundary
1704	0.55m+	Mottled orangey brown, dark brown and grey clay shillet			Natural subsoil

Turbine No: 10		Trench No: 23	Length (m): 70m	Width (m): 1.6m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
2300	0 – 0.15m	Mid yellowish brown silty clay			Topsoil
2301	0.15m+	Light yellowish brown sandy clay			Natural subsoil
2302	0.15 – 0.31m	Mid grey brown silty clay			Fill of gully [2303]
2303	0.15 – 0.31m	Linear feature, 0.65m wide by 0.16m deep with 20° sloping sides and concave base. NW-SE aligned			Cut of shallow gully probably a field boundary ditch
2304	0.15 – 0.43m	Mid grey brown silty clay			Fill of ditch [2305]

2305	0.15 – 0.43m	Linear feature, 1.5m wide by 0.28m deep with 20° sloping sides and undulating concave base. NE-SW aligned	Cut of probable boundary ditch
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Turbine No: 11		Trench No: 25	Length (m): 90m	Width (m): 1.6m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
2500	0 – 0.3m	Mid greyish brown silty clay			Topsoil
2501	0.3m+	Dark pinkish brown silty clay			Natural subsoil
2502	0.3 – 0.58m	Linear feature, 1.28m wide by 0.28m deep with 20-30° sloping sides and broad flat base. NW-SE aligned			Cut of undated but possible prehistoric ditch
2503	0.3 – 0.58m	Dark reddish brown silty clay			Fill of ditch [2502]
2504	0.3 – 0.71m	Oval feature, 1m long by 0.6m wide by 0.41m deep, with 80-90° sloping sides and gentle concave base.			Cut of undated but probable prehistoric pit
2505	0.6 – 0.71m	Greenish grey brown silt			Basal fill of pit [2504]
2506	0.3 - 0.6m	Reddish brown silty clay			Upper fill of pit [2504]
2507	0.3 – 0.87m	Circular feature, 0.7m in diameter by 0.57m deep with 80-90° sloping sides and concave base			Cut of undated but probable prehistoric pit
2508	0.67 – 0.87m	Greyish green brown clay silt			Basal fill of pit [2507]
2509	0.59 – 0.67m	Reddish brown silty clay			Secondary fill of pit [2507]
2510	0.3 – 0.59m	Reddish brown silty clay			Upper fill of pit [2507]

Turbine No: 11		Trench No: 26	Length (m): 30m	Width (m): 1.6m	Alignment: NNW-SSE
Context	Depth below ground level (m)	Description			Interpretation
2600	0 – 0.25m	Mid brown clay silt			Topsoil
2601	0.25m+	Mid yellow clay			Natural subsoil
2602		Group number for ring ditch sections [2608] and [2612]			Group number for ring ditch
2603	0.25 – 0.41m	Cut of circular feature, 0.18m long by 0.16m wide by 0.16m deep with 90° sides and flat base			Cut of possible posthole
2604	0.25 – 0.41m	Dark greyish brown silty clay			Fill of [2603]
2605	0.25 – 0.62m	Mid greyish black stone silt			Upper fill of [2608]
2606	0.62 – 0.88m	Mixed yellow, grey and dark red silty stoney clay			Secondary fill of [2608]
2607	0.88 – 1.11m	Mid yellow brown clay silt			Basal fill of [2608]
2608	0.25 – 1.11m	Curvi-linear feature, 2.16m wide by 0.86m deep, with 40-60° sloping sides and rounded base.			Cut of prehistoric ring ditch
2609	0.25 – 0.34m	Mid brown orange silty clay			External bank material deposit
2610	0.25 – 0.84m	Mid orangey brown silty clay			Internal mound or bank material

			deposit
2611	0.25 – 0.40m	Mid brown orange silty clay	External bank material
2612	0.25 – 1.20m	Curvi-linear feature, 1.90m wide by 0.95m deep, with 40-60° sloping sides and flat base	Cut of prehistoric ring ditch
2613	1.15 – 1.20m	Light yellowish brown silty clay	Basal fill of [2612]
2614	1.05 – 1.15m	Mid pinkish brown silty clay	Secondary fill of [2612]
2615	0.73 – 1.05m	Dark yellowish brown silty clay	Tertiary fill of [2612]
2616	0.25 – 0.73m	Mid greyish brown silty clay	Upper fill of [2612]

Turbine No: 13		Trench No: 28	Length (m): 50m	Width (m): 1.5m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
2800	0 – 0.38m	Mid brown sandy clay silt			Topsoil
2801	0.38 – 0.52m	Linear feature, 0.58m wide by 0.14m deep with 20° sloping sides and rounded base. NW-SE aligned			Cut of linear
2802	0.38 – 0.52m	Mottled grey brown and reddish brown sandy clay silt			Fill of [2801]
2803	0.38 – 0.50m	Circular feature, 0.6m long by 0.58m wide by 0.12m deep with 20° sloping sides and concave base			Cut of pit or a possible burnt out tree root
2804	0.38 – 0.50m	Mid to dark orangey brown sandy silt			Fill of [2803]
2805	0.38m+	Mottled reddish brown, orange brown and light brown sandy silty clay			Natural subsoil

Turbine No: 13		Trench No: 29	Length (m): 70m	Width (m): 1.5m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
2900	0 – 0.34m	Mid brown sandy clay silt			Topsoil
2901	0.34m+	Mid yellow to light red sandy clay			Natural subsoil
2902	0.34 – 0.44m	Mid greyish brown sandy clay silt			Fill of ditch [2903]
2903	0.34 – 0.44m	Linear feature, 0.6m wide by 0.10m deep with 20° sloping sides and rounded base. N-S aligned			Cut of ditch
2904	0.34 – 0.44m	Linear feature, 1m wide by 0.10m deep with 20° sloping sides and concave base. NE-SW aligned			Cut of probable field boundary ditch
2905	0.34 – 0.44m	Dark grey brown silty clay			Fill of ditch [2904]
2906	0.34 – 0.60m	Sub-oval feature, 0.60m long by 0.40m wide by 0.10m deep with 80-90° sides and flat base			Cut of probable modern post hole

Turbine No: 15		Trench No: 32	Length (m): 90m	Width (m): 1.9m	Alignment: NE-SW
Context	Depth below ground level (m)	Description			Interpretation
3200	0 – 0.6m	Dark brown clay silt			Topsoil
3201	0.6 – 0.81m	Linear feature, 0.75m wide by 0.21m deep with 20-25° sloping sides and rounded base. E-W aligned			Cut of probable drainage ditch
3202	0.6 – 0.81m	Dark brown clay silt			Fill of [3201]
3203	0.6m+	Mottled orange, orange brown, reddish brown and dark brown sandy clay silt			Natural subsoil

Turbine No: 16		Trench No: 33	Length (m): 70m	Width (m): 1.6m	Alignment: E-W
Context	Depth below ground level (m)	Description			Interpretation
3300	0 – 0.3m	Mid greyish brown silty clay			Topsoil
3301	0.3m+	Dark orangey brown silty clay			Natural subsoil
3302	0.3 – 1.05m	Linear feature, 4.8m wide by 0.75m deep with 20-30° sloping sides and broad flat base. NW-SE aligned			Cut of ditch
3303	0.95 – 1.05	Mid yellowish brown silty clay			Basal fill of ditch [3302]
3304	0.3 – 0.95m	Dark brown silty clay			Upper fill of ditch [3302]

Turbine No: 16		Trench No: 34	Length (m): 28m	Width (m): 1.6m	Alignment: E-W
Context	Depth below ground level (m)	Description			Interpretation
3400	0 – 0.27m	Dark brown clay silt			Topsoil
3401	0.27m+	Mid brownish yellow to light greyish red clay shale to stoney sandy clay			Natural subsoil
3402	0.27 – 0.69m	Linear feature, 4.26m wide by 0.42m deep with 30-40° sloping sides and rounded base. N-S aligned			Cut of possible hollow way/road
3403	0.53 – 0.69m	Mid yellowish brown clay silt			Basal fill of [3402]
3404	0.27 – 0.53m	Dark brown clay silty			Upper fill of [3402]

Turbine No: 18		Trench No: 37	Length (m): 50m	Width (m): 1.6m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
3700	0 – 0.3m	Dark grey brown silty clay			Topsoil
3701	0.3m+	Mid orangey brown sandy clay			Natural Subsoil
3702	0.3 – 0.55m	Linear feature, 2m wide by 0.25m deep with 20° sloping sides and concave base. NE-SW aligned			Cut of probable field boundary

3703	0.3 – 0.55m	Mid yellowish brown silty clay loam	Fill of ditch [3702]
3704	0.3 – 0.6m	Linear feature, 2.7m wide by 0.2m deep with 20° sloping sides and concave base. NE-SW aligned	Cut of probable field boundary
3705	0.4 – 0.6m	Mid yellowish brown silty clay	Basal fill of ditch [3704]
3706	0.3 – 0.4m	Dark grey brown	Upper fill of ditch [3704]

Turbine No: 19		Trench No: 39	Length (m): 70m	Width (m): 1.6m	Alignment: N-S
Context	Depth below ground level (m)	Description			Interpretation
3900	0 - 0.3m	Mid grey brown clay silt			Topsoil
3901	0.3m+	Mid brownish yellow			Natural subsoil
3902	0.3m – 0.45m	Mid blue grey silty clay			Fill of gully [3903]
3903	0.3 – 0.45m	Linear feature, 0.5m wide by 0.15m deep with 10-20° sloping sides and concave base. NW-SE aligned			Cut of probable drainage or boundary gully
3904	0.3 – 0.44m	Light grey silty clay			Fill of gully [3905]
3905	0.3 – 0.44m	Linear feature, 0.51m wide by 0.14m deep with 10-20° sloping edges and concave base. NW-SE aligned			Cut of probable drainage or boundary gully
3906	0.3 -0.51m	Dark grey brown silt			Fill of ditch [3907]
3907	0.3 – 0.51m	Linear feature, 2.78m wide by 0.21m deep with 10-20° sloping sides and flat base. N-S aligned			Cut of linear possibly a natural feature
3908	0.3 – 0.94m	Indeterminate feature, only eastern edge excavated, undulating flat base			Cut of possible modern quarry
3909	0.3 – 0.8m	Dark grey brown clay silt			Upper fill of [3908]
3910	0.8 – 0.94m	Mid yellowy brown			Basal fill of [3908]

Turbine No: 20		Trench No: 41	Length (m): 50m	Width (m): 1.5m	Alignment: NE-SW
Context	Depth below ground level (m)	Description			Interpretation
4100	0 - 0.31m	Mid brown silty clay			Topsoil
4101	0.31m+	Mixed grey brown and orangey brown sandy clay shillet			Natural subsoil
4102	0.31 – 0.35m	Linear feature, 1.3m wide by 0.04m deep with 10° sloping sides and flat base. NE-SW aligned			Cut of linear feature, probably an old farm track
4103	0.31 – 0.35m	Dark brown silty clay			Fill of [4103]
4104	0.31 – 0.38m	Linear feature, 1m wide by 0.07m deep 10° sloping sides and flat base. NE-SW aligned			Cut of linear feature, possibly an old farm track or field boundary
4105	0.31 – 0.38m	Mid brown silty clay			Fill of [4104]

Area: Contractors compound		Trench No: 50	Length (m): 100m	Width (m): 1.6m	Alignment: NE-SW-SE
Context	Depth below ground level (m)	Description			Interpretation
5000	0 – 0.3m	Dark brown clay silt			Topsoil
5001	0.3 – 0.74m	Mid orangey brown clay silt			Colluvial subsoil
5002	0.74m+	Mid orangey brown and grey clay shillet			Natural subsoil
5003	0.74 – 1.19m	Mid grey brown silty shale clay			Fill of ditch [5004]
5004	0.74 – 1.19m	Linear feature, 1m wide by 0.45m deep with 10-20° sloping sides and rounded base. NE-SW aligned			Cut of linear feature, probably a field boundary
5005	0.74 – 1.08m	Linear feature, 2.96m wide by 0.34m deep with 10-20° sloping sides and rounded base. NE-SW aligned			Cut of linear feature, probably a field boundary
5006	0.74 – 1.08m	Mid orangey brown clay silt			Fill of ditch [5005]

Area: Contractors compound		Trench No: 51	Length (m): 40	Width (m): 1.6m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
5100	0 – 0.2m	Dark greyish brown clay silt			Topsoil
5101	0.2 – 0.6m	Light brownish yellow			Subsoil
5102	0.6 – 1.2m	Mid orangey brown clay silt			Colluvial subsoil
5103	0.6 – 0.74m	Linear feature, 1.22m wide by 0.14m deep with 10-20° sloping sides and rounded base. NW-SE aligned			Cut of linear feature, probably a field boundary
5104	0.6 – 0.74m	Mid yellowish brown clay silt			Fill of ditch [5103]
5105	0.6 – 0.83m	Mid greyish yellow silty clay			Upper fill of ditch [5108]
5106	0.83 – 1.23m	Mid yellowish grey silty clay			Secondary fill of ditch [5108]
5107	1.23 – 1.43m	Mid yellowish brown clay silt			Basal fill of ditch [5108]
5108	0.6 – 1.43m	Linear feature, 2.26m wide by 0.83m deep with 40-50° sloping sides and rounded base. NW-SE aligned			Cut of linear feature
5109	0.6 – 0.82m	Linear feature, 2.08m wide by 0.22m deep with 20° sloping sides and flat base. NE-SW aligned			Cut of linear feature probably part of double ditched field boundary
5110	0.6 – 0.82m	Dark brown clay silt			Fill of ditch [5109]
5111	1.2m+	Light brown orange clay shale			Natural subsoil

Area: Contractors compound		Trench No: 54	Length (m): 30	Width (m): 1.6m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
5400	0 – 0.07m	Dark greyish brown clay silt			Topsoil
5401	0.07 – 0.43m	Light brown yellow silty clay			Subsoil
5402	0.65m+	Mid reddish yellow clay			Natural subsoil
5403	unex	Mid grey brown silty shale clay			Fill of [5404] and same as (5003)
5404	unex	Linear feature, 1m wide			Cut of ditch and same as [5004]
5405	unex	Linear feature, 2.96m wide			Cut of ditch and same as [5005]
5406	unex	Mid orangey brown clay silt			Fill of [5405] and same as (5006)
5407	0.43 – 0.65m	Mid grey yellow silty clay			Colluvial subsoil

Area: Concrete batching plant		Trench No: 60	Length (m): 80m	Width (m): 1.6m	Alignment: NE-SW
Context	Depth below ground level (m)	Description			Interpretation
6000	0 – 0.44m	Mid grey brown silty clay			Topsoil
6001	0.44m+	Mid reddish brown sandy clay			Natural subsoil
6002	0.44 – 0.57m	Mid to dark reddish brown silty clay			Fill of [6003]
6003	0.44 – 0.57m	Circular feature, 0.25m in diameter and 0.13m deep with 80-90° sides and flat base			Cut of post hole

Area A between turbines 4 and 6		Trench No: 70	Length (m): 80m	Width (m): 1.6m	Alignment: NE-SW
Context	Depth below ground level (m)	Description			Interpretation
7000	0 – 0.4m	Dark reddish brown silty clay			Topsoil
7001	0.4m+	Dark orange brown silty clay			Natural subsoil
7002	0.4 – 0.57m	Linear feature, 1m wide by 0.17m deep with 10° sloping sides and flat base. N-S aligned			Cut of probable field boundary ditch
7003	0.4 – 0.57m	Mid reddish brown silty clay			Fill of [7002]

Area: A turbine 6		Trench No: 72	Length (m): 115	Width (m): 1.6m	Alignment: NE-SW
Context	Depth below ground level (m)	Description			Interpretation
7200	0 – 0.35m	Mid greyish brown silty clay			Topsoil

7201	0.35m+	Dark pinkish brown silty clay	Natural subsoil
7202	0.35 – 1.61m	Curvi-linear feature 2.6m wide by 1.26m deep with 70-80° sloping sides and concave base. NE-SW aligned	Cut of prehistoric enclosure ditch
7203	1.44 – 1.61m	Mid pinkish brown silty clay	Basal fill of ditch [7202]
7204	1.39 -1.44m	Light pinkish brown silty clay	Secondary fill of ditch [7202]
7205	1.25 – 1.39m	Dark pinkish brown silty clay	Tertiary fill of ditch [7202]
7206	1.22– 1.25m	Light pinkish brown silty clay	Quaternary fill of ditch [7202]
7207	0.87 – 1.22m	Dark pinkish brown silty clay	Fifth fill of ditch [7202]
7208	0.35 – 0.87m	Mid reddish brown clay silt	Upper fill of ditch [7202]
7209	0.35 – 1.32m	Curvilinear feature, 2.29m wide by 0.97m deep with 80° sides and rounded base.	Cut of prehistoric enclosure ditch
7210	1.07 – 1.32m	Light greyish brown silty clay shillet	Basal fill of ditch [7209]
7211	0.91 – 1.07m	Dark purplish brown clay silt	Secondary fill of ditch [7209]
7212	0.35 – 0.91m	Dark reddish brown silty clay	Upper fill of ditch [7209]
7213	0.35 – 0.82m	Circular feature, 1.17m wide by 0.47m deep with 70-80° sloping sides and rounded base	Cut of possible pit or terminus
7214	0.61 – 0.82m	Purple brown silty clay	Basal fill of [7213]
7215	0.35 – 0.61m	Purple clay shillet	Upper fill of [7213]
7216	0.35 – 0.8m	Curvilinear feature, 1.52m wide by 0.45m deep with 20° sloping sides and undulating base	Cut of linear
7217	0.35 – 0.8m	Mid brown silty clay	Fill of curvilinear [7216]

Area: A between turbines 4 and 6		Trench No: 77	Length (m): 60m	Width (m): 1.6m	Alignment: NW-SE
Context	Depth below ground level (m)	Description			Interpretation
7700	0 - 0.35m	Dark reddish brown silty clay			Topsoil
7701	0.35m+	Dark orange brown silty clay			Natural subsoil
7702	0.35 - 0.49m	Linear feature, 1m wide by 0.14m deep with 10° sloping sides and flat base. N-S aligned			Cut of linear field boundary
7703	0.35 – 0.49m	Mid reddish brown silty clay			Fill of linear [7702]

Area: B		Trench No: 86	Length (m): 102m	Width (m): 1.6m	Alignment: E-W
Context	Depth below ground level (m)	Description			Interpretation
8600	0 – 0.4m	Mid greyish brown silty clay			Topsoil
8601	0.4m+	Mid orange brown silty clay			Natural subsoil

8602	0.4 – 0.64m	Linear feature, 0.9m wide by 0.24m deep with 10° sloping sides and flat base. N-S aligned	Cut of linear field boundary
8603	0.4 -0.64m	Mid reddish brown clay silt	Fill of [8602]
8604	0.4 – 0.8m	Linear feature, 1.6m wide by 0.4m deep with 20° sloping sides and concave base	Cut of linear field boundary
8605	0.4 – 0.8m	Mid reddish brown clay silt	Fill of [8604]

Area: B turbine 15		Trench No: 89	Length (m): 50m	Width (m): 1.6m	Alignment: NE-SW
Context	Depth below ground level (m)	Description			Interpretation
8900	0 – 0.3m	Dark grey brown silty clay			Topsoil
8901	0.3m+	Dark orange brown			Natural subsoil
8902	0.3 – 0.5m	Linear feature, 1.1m wide by 0.2m deep with 20° sloping sides and concave base. E-W aligned			Cut of linear field boundary
8903	0.3 – 0.5m	Dark orangey brown silty clay			Fill of [8902]

Area: B turbine 16		Trench No: 91	Length (m): 50m	Width (m): 1.5m	Alignment: NE-SW
Context	Depth below ground level (m)	Description			Interpretation
9100	0 – 0.4m	Dark brown silty clay			Topsoil
9101	0.4 – 0.49m	Curvi-linear feature, 0.62m wide by 0.09m deep with 10° sloping sides and rounded base			Cut of undated linear
9102	0.4 – 0.49m	Dark brown silty clay			Fill of [9101]
9103	0.4 – 0.58m	Curvi-linear feature, 1m wide by 0.18m deep with 10° sloping sides and concave base			Cut of undated linear
9104	0.4 - 0.58m	Dark brown silty clay			Fill of [9104]
9105	0.4m+	Orangey brown silty clay			Natural subsoil

Appendix 3

Description of blank trenches

APPENDIX 3: Descriptions of blank trenches

Trench 1			
Context	Depth	Description	Interpretation
100	0-0.3m	Dark brown, soft, homogenous clay silt with moderate small-medium sub angular stones <0.05m long.	Topsoil
101	0.3m+	Mid brown-orange, soft sand clay with moderate small-medium sub angular stones <0.05m long and rare stones >0.05m long.	Natural Subsoil
Trench 2			
Context	Depth	Description	Interpretation
200	0-0.35m	Grey brown silt clay with sparse irregular shillet inclusions.	Topsoil
201	0.35m+	Pink brown sand clay with occasional angular shillet inclusions <0.05m long.	Natural Subsoil
Trench 3			
Context	Depth	Description	Interpretation
300	0-0.38m	Dark brown, silt clay with frequent sub angular shillet fragments <0.05m long.	Topsoil
301	0.38m+	Mid brown clay shillet with bands of orangey brown silt sand.	Natural Subsoil
Trench 4			
Context	Depth	Description	Interpretation
400	0-0.38m	Dark brown, silt clay with frequent sub angular shillet fragments <0.05m long.	Topsoil
401	0.38m+	Mid brown clay shillet with bands of orangey brown silt sand.	Natural Subsoil
Trench 7			
Context	Depth	Description	Interpretation
700	0-0.35m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
701	0.35m+	Mid brown clay shillet with bands of orangey brown silt sand.	Natural Subsoil
Trench 8			
Context	Depth	Description	Interpretation
800	0-0.4m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
801	0.4m+	Mid brown clay shillet with bands of orangey brown silt sand.	Natural Subsoil
Trench 9			
Context	Depth	Description	Interpretation
900	0-0.35m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
901	0.35m+	Light yellow brown, friable silt sand with abundant small-medium sub angular shillet fragments and frequent large pieces 0.05m-0.1m long	Natural Subsoil
Trench 10			
Context	Depth	Description	Interpretation

1000	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
1001	0.3m+	Mid greyish yellow to light reddish yellow clay, with abundant small-medium sub angular shillet fragments and frequent large pieces 0.05m-0.1m long	Natural Subsoil
Trench 11			
Context	Depth	Description	Interpretation
1100	0-0.44m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
1101	0.44m+	Mid greyish yellow to light reddish yellow clay, with abundant small-medium sub angular shillet fragments and frequent large pieces 0.05m-0.1m long	Natural Subsoil
Trench 15			
Context	Depth	Description	Interpretation
1500	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
1501	0.3m+	Reddish brown sand clay with common angular shillet inclusions <0.01m	Natural Subsoil
Trench 16			
Context	Depth	Description	Interpretation
1600	0-0.35m	Reddish brown silt clay with sparse shillet inclusions <0.05m long	Topsoil
1601	0.35m-0.4m	Mid brown silt clay	Subsoil
1602	0.25m+	Reddish brown sand clay with common angular shillet inclusions <0.01m	Natural Subsoil
Trench 18			
Context	Depth	Description	Interpretation
1800	0-0.1m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
1801	0.1m+	Reddish brown sand clay with common angular shillet inclusions <0.01m	Natural Subsoil
Trench 20			
Context	Depth	Description	Interpretation
2000	0-0.25m	Dark grey brown, soft clay silt, with frequent small-medium sub angular stones <0.05m long	Topsoil
2001	0.25m+	Mid orange, soft, sand clay with occasional gravel patches.	Natural Subsoil
Trench 21			
Context	Depth	Description	Interpretation
2100	0-0.3m	Dark brown, silt clay with frequent sub angular shillet fragments <0.05m long.	Topsoil
2101	0.3m+	Reddish brown sand clay with common angular shillet inclusions <0.01m	Natural Subsoil
Trench 22			
Context	Depth	Description	Interpretation
2200	0-0.4m	Dark brown, friable, sand clay with common sub angular shillet inclusions	Topsoil

		<0.05m long	
2201	0.4m+	Dark orange sand clay and light grey clay	Natural Subsoil
Trench 24			
Context	Depth	Description	Interpretation
2400	0-0.38m	Mid yellow brown, friable, silt clay with frequent small sub angular shillet fragment <0.05m long	Topsoil
2401	0.38m+	Reddish brown sand clay with common angular shillet inclusions <0.01m	Natural Subsoil
Trench 27			
Context	Depth	Description	Interpretation
2700	0-0.3m	Dark grey brown, soft clay silt, with frequent small-medium sub angular stones <0.05m long	Topsoil
2701	0.3m+	Mid orange, soft, sand clay with occasional gravel patches.	Natural Subsoil
Trench 30			
Context	Depth	Description	Interpretation
3000	0-0.3m	Dark grey brown, soft clay silt, with frequent small-medium sub angular stones <0.05m long	Topsoil
3001	0.3m-0.4m	Light yellow brown silt clay	Subsoil
3002	0.4m+	Mid orange, soft, sand clay with occasional gravel patches.	Natural Subsoil
Trench 31			
Context	Depth	Description	Interpretation
3100	0-0.3m	Dark grey brown, soft clay silt, with frequent small-medium sub angular stones <0.05m long	Topsoil
3101	0.3m+	Pink brown, sand clay with angular shillet inclusions	Natural Subsoil
Trench 35			
Context	Depth	Description	Interpretation
3500	0-0.15m	Dark brown, friable, clay silt	Topsoil
3501	0.1m-0.23m	Dark orangey brown clay silt	Colluvium subsoil
3502	0.23m+	Mid orange brown, silt clay with abundant shillet fragments	Natural Subsoil
Trench 36			
Context	Depth	Description	Interpretation
3600	0-0.3m	Dark brown, friable, clay silt	Topsoil
3601	0.1m-0.26m	Dark orangey brown clay silt	Colluvium subsoil
3602	0.3m+	Mid orange brown, silt clay with abundant shillet fragments	Natural Subsoil
Trench 38			
Context	Depth	Description	Interpretation
3800	0-0.3m	Light grey brown, silt sand with sparse gravel inclusions <0.05m long	Topsoil
3801	0.3m+	Mid orange brown, silt clay with abundant shillet fragments	Natural Subsoil

Trench 40			
Context	Depth	Description	Interpretation
4000	0-0.38m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
4001	0.38m+	Mid orange brown and mid grey brown, silt clay with abundant shillet fragments	Natural Subsoil
Trench 42			
Context	Depth	Description	Interpretation
4200	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
4201	0.3m+	Mid orange brown and mid grey brown, silt clay with abundant shillet fragments	Natural Subsoil
Trench 43			
Context	Depth	Description	Interpretation
4300	0-0.38m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
4301	0.38m+	Dark brown, firm clay silt with frequent sub angular shillet fragments	Subsoil/fill of natural hollow
4302	unknown	Mid orange brown and mid grey brown, silt clay with abundant shillet fragments	Natural Subsoil
Trench 44			
Context	Depth	Description	Interpretation
4400	0-0.33m	Dark brown, firm clay silt with frequent sub angular shillet fragments	Topsoil
4401	0.33m+	Mid yellow brown, friable silt sand with abundant small-medium sub angular shillet fragments and frequent large pieces 0.05m-0.1m long	Natural Subsoil
Trench 45			
Context	Depth	Description	Interpretation
4500	0-0.42	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
4501	0.06m-0.51m	Mid brown grey gravelly clay with very frequent small angular shale fragments	Subsoil
4502	0.22m-0.36m	Mid brown yellow, friable, silt clay with moderate small sub-angular shale	Colluvium Subsoil
4503	0.84m+	Mid yellow gravelly clay	Natural Subsoil
Trench 46			
Context	Depth	Description	Interpretation
4600	0-0.2m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
4601	0.2m-0.5m	Light grey brown silt clay with small shillet inclusions	Subsoil
4602	0.3m-0.75m	Mid reddish brown sand clay with frequent small shillet fragments	Colluvium
4603	0.75m-1.15m	Light reddish brown, sand clay, frequent small shillet inclusions	Colluvium
4604	0.45m+	Light yellow grey silt clay	Natural Subsoil

Trench 47			
Context	Depth	Description	Interpretation
4700	0-0.3m	Dark brown, firm, clay silt, occasional sub-angular shillet fragments <0.1m long.	Topsoil
4701	0.2-0.62m	Mid-dark orangey brown, firm, occasional sub angular shillet fragments <0.02m long.	Subsoil/colluvium
4702	Unknown	Grey/blue silt clay, very fine with no inclusions.	Alluvium
4703	Unknown	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 48			
Context	Depth	Description	Interpretation
4800	Unknown	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
4801	Unknown	Mid yellow grey, friable, silt clay with occasional small sub angular shale and gravels	Subsoil
4802	Unknown	Light yellow, friable, clay with no inclusions	Alluvium
4803	Unknown	Light yellow brown and light yellow grey, friable, sand clay, gravelly	River deposit
4804	Unknown	Light grey/blue, friable gravelly clay	River deposit
4805	Unknown	Light grey/blue, moderately compact, sand with gravels	River deposit
4806	Unknown	Yellowish red, friable clay	Colluvium
Trench 49			
Context	Depth	Description	Interpretation
4900	0-0.38m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
4901	0.38m+	Mid dark orangey brown clay and shillet.	Natural subsoil
Trench 52			
Context	Depth	Description	Interpretation
5200	0-0.07m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
5201	0.07m-0.25m	Mid brown clay silt with occasional sub angular shillet fragments	Subsoil
5202	0.25m-0.3m	Mid dark orangey brown, firm clay silt with occasional sub angular shillet fragments	Colluvium
5203	0.3m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 53			
Context	Depth	Description	Interpretation
5300	0-0.3m	Mid reddish brown silt clay with occasional shillet inclusions <0.05m long.	Topsoil
5301	0.3m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 55			
Context	Depth	Description	Interpretation

5500	0-0.07m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
5501	0.07m-0.43m	Mid dark orangey brown, firm clay silt with occasional sub angular shillet fragments	Subsoil
5502	0.43m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 56			
Context	Depth	Description	Interpretation
5600	0-0.11	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
5601	0.2m-0.24m	Mid yellowish brown clay silt with frequent small-medium sub angular stones <0.05m long.	Subsoil
5602	0.24m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 57			
Context	Depth	Description	Interpretation
5700	0-0.3m	Light greyish brown silt clay with sparse angular shillet inclusions	Topsoil
5701	0.3m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 58			
Context	Depth	Description	Interpretation
5800	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
5801	0.3m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 59			
Context	Depth	Description	Interpretation
5900	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
5901	0.3m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 61			
Context	Depth	Description	Interpretation
6100	0-0.4m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
6101	0.4m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 62			
Context	Depth	Description	Interpretation
6200	0-0.28m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
6201	0.28m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 63			

Context	Depth	Description	Interpretation
6300	0-0.12m	Dark brown, friable, clay silt with moderate sub angular shillet fragments	Topsoil
6301	0.2-0.25m	Dark brown , friable, silt clay with moderate sub angular shillet fragments	Subsoil
6302	0.25m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 64			
Context	Depth	Description	Interpretation
6400	0-0.35m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
6401	0.35m+	Mid reddish brown clay with shillet	Natural Subsoil
Trench 65			
Context	Depth	Description	Interpretation
6500	0-0.36m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
6501	0.36m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 66			
Context	Depth	Description	Interpretation
6600	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
6601	0.3m+	Mid reddish brown clay with shillet	Natural Subsoil
Trench 67			
Context	Depth	Description	Interpretation
6700	0-0.38m	Black, firm, clay silt with occasional small shillet fragments	Topsoil
6701	0.38m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 68			
Context	Depth	Description	Interpretation
6800	0-0.32	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
6801	0.32m+	Mid reddish brown clay with shillet	Natural Subsoil
Trench 69			
Context	Depth	Description	Interpretation
6900	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
6901	0.3m+	Light greyish brown sand and silt with occasional angular slate fragments	Natural Subsoil
Trench 71			
Context	Depth	Description	Interpretation
7100	0-0.45m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil

7101	0.45m+	Mid reddish brown clay with shillet	Natural Subsoil
Trench 73			
Context	Depth	Description	Interpretation
7300	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
7301	0.3m+	Mid reddish brown clay with shillet	Subsoil
Trench 74			
Context	Depth	Description	Interpretation
7400	0-0.35m	Mid reddish brown silt clay with occasional angular shillet fragments	Topsoil
7401	0.35m+	Mid reddish brown clay with shillet	Natural Subsoil
Trench 75			
Context	Depth	Description	Interpretation
7500	0-0.43m	Dark brown, friable, clay silt with moderate sub angular shillet fragments	Topsoil
7501	0.43m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 76			
Context	Depth	Description	Interpretation
7600	0-0.38m	Mid brown, friable, clay silt with moderate sub angular shillet fragments	Topsoil
7601	0.38m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 78			
Context	Depth	Description	Interpretation
7800	0-0.34m	Mid orange brown silt clay with occasional angular shillet fragments	Topsoil
7801	0.34m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 80			
Context	Depth	Description	Interpretation
8000	0-0.31	Mid orange brown silt clay with occasional angular shillet fragments	Topsoil
8001	0.31m+	Mid reddish brown clay with shillet	Natural Subsoil
Trench 81			
Context	Depth	Description	Interpretation
8100	0-0.3m+	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
8101	0.3m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 82			
Context	Depth	Description	Interpretation
8200	0-0.3m	Dark brown, friable, clay silt with moderate sub angular shillet fragments	Topsoil
8201	0.3m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 83			
Context	Depth	Description	Interpretation

8300	0-0.3m	Mid brown, friable, clay silt with moderate sub angular shillet fragments	Topsoil
8301	0.3m+	light grey yellow, friable sand clay with very common shillet fragments	Natural Subsoil
Trench 84			
Context	Depth	Description	Interpretation
8400	0-0.3m	Mid brown, friable, clay silt with moderate sub angular shillet fragments	Topsoil
8401	0.3m+	light grey yellow, friable sand clay with very common shillet fragments	Natural Subsoil
Trench 85			
Context	Depth	Description	Interpretation
8500	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
8501	0.3m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 87			
Context	Depth	Description	Interpretation
8700	0-0.4m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
8701	0.4m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 88			
Context	Depth	Description	Interpretation
8800	0-0.35m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
8801	0.35m+	Mid dark orangey brown clay and shillet.	Natural subsoil
Trench 90			
Context	Depth	Description	Interpretation
9000	0-0.38m	Mid brown, friable, clay silt with moderate sub angular shillet fragments	Topsoil
9001	0.38m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 92			
Context	Depth	Description	Interpretation
9200	0-0.4m	Dark brown, friable, clay silt with moderate sub angular shillet fragments	Topsoil
9201	0.4m+	Mid dark orangey brown clay and shillet.	Natural Subsoil
Trench 93			
Context	Depth	Description	Interpretation
9300	0-0.3m	Mid grey brown, soft, clay silt with frequent small-medium sub angular stones <0.05m long.	Topsoil
9301	0.3m+	Mid dark orangey brown and pink clay and shillet.	Natural Subsoil
Trench 94			
Context	Depth	Description	Interpretation
9400	Unknown	Dark brown, friable, clay silt with moderate sub angular shillet fragments	Topsoil

9401	Unknown	Mid dark orangey brown and pink clay and shillet.	Natural Subsoil
Trench 95			
Context	Depth	Description	Interpretation
9500	0-0.35m	Orangey brown, firm silt clay with frequent sub angular shillet fragments	Topsoil
9501	0.35m+	light orangey brown and pink clay and shillet.	Natural Subsoil

Appendix 4

Palaeo-environmental assessment, by Dr. M. J. Allen

Introduction

The processed flots and residues of five bulk samples processed by AC Archaeology were supplied for assessment of the charred plant and charcoal remains (Table 1). Samples were taken from a Bronze Age ring ditch and other probable prehistoric features. Bulk samples were processed by AC Archaeology by standard flotation methods where flots and residues were retained on 0.5mm mesh. Sorted and fractionated flots were provided together with charcoal >5.6mm recovered from the residues.

Sample	Phase/Period	Context	Feature	Feature / context description
ACD 132				
1	? Bronze Age	2605	2608	Upper fill of ditch
2	? Bronze Age	2607	2608	Primary fill of ditch
3	? Bronze Age	2615	2612	Fill of curvilinear ditch
ACD 198				
1	? Bronze Age	33	034	Single fill of possible cremation pit
2	? Bronze Age	35	206	Single fill of pit

Table 1. List of samples for assessment

Aims and requirements

Each sample flot was assessed for charcoal and charred plant remains and other palaeo-environmental remains. The aims of assessment were to determine the presence, quantity, quality and diversity of palaeo-environmental remains to aid in the understanding and interpreting the features, activity and economy of the site, and to determine samples suitable for analysis of charred plant remains and charcoal analysis. Overall assessment aids in indicating the nature and significance of the data, and of the sites' importance in its local, regional and national setting. Full proposals for analysis are suggested.

Material suitable for dating and their suitability to provide useful radiocarbon dates is also indicated.

Assessment Methods

All flots and charcoal >5.6mm recovered from the residues by the processors were scanned under a ×10 - ×30 stereo-binocular microscope and the presence of charred plant and charcoal remains recorded (Table 2). The >4mm flot (charcoal) was added to the >5.6mm charcoal recovered from the residues. The volume of flot represents the charred remains plus the charcoal >5.6mm sorted by AC staff. The residues (>2mm and >0.5mm) were rapidly scanned to determine if they contained significant quantities of charred material that did not float.

Assessment Results (Table 2)

The flots comprised principally charcoal with few charred plant remains. No other palaeo-environmental material (snails, shells, bone) was present in the flots.

Charred plant and charcoal remains

One sample from a primary fill of ditch 2608 (ACD 132, sample 2) contained no flot. Charcoal was present in all other samples.

Very little modern uncharred roots was present. The sorted flots included principally well-preserved large fragments of large branchwood or heartwood charcoal. At least one fragment of roundwood was present in context 034 (ACD 198, sample 1).

No grain or chaff was noted.

Possible weed seeds were noted in the sample from the ditch 2612 (ACD 132, samples 3). These were the only non-charcoal charred items

Potential and Significance

Charred plant remains

The lack of grain and chaff indicates that the sample locations were probably away from the foci of domestic activities and burning. This may, therefore, be in keeping with these features being funerary-related rather than settlement or domestic.

The possible weed seeds have the potential to provide some limited information about the local weeds, vegetation and soils. But their origin is uncertain; they may be related to the woodland environment of timber acquisition, the burning environment or other undefined locales. Their potential is therefore considered low.

Charcoal

Charcoal was present in all samples with flots. The few charcoal-rich deposits are discarded from pyres, ovens or fires and provide the potential to examine the nature of the fuel, and the exploitation of local woodland, as well as to determine if the fuel was local or comprised single species selected for their higher temperature burning (ovens), and possibly from managed, single-species, woodlands.

The large branchwood and heartwood nature of the charcoal probably indicates selected timber for its good high-temperature burning quality. These assemblages have the potential to define if that is the case, and whether this is predominantly one species selected for an 'industrial' or funerary purpose, or whether there is wider range of wood species more typical of domestic hearths.

There is some potential to examine the woodland management, but the lack of roundwood elements hinder that line of enquiry.

<i>Feature type</i>	<i>Feature</i>	<i>context</i>	<i>sample</i>	<i>Sample vol (L)</i>	<i>flot vol charred/ roots ml</i>	<i>grain</i>	<i>Weed seeds /chaff</i>	<i>Charcoal >4mm / 5.6mm</i>	<i>charcoal >2mm</i>	<i>notes</i>	<i>analysis</i>
ACD 132											
Ditch (upper fill)	2608	2605	1	20 L	2 / 0	-	- / -	5	0	5 pieces of large branchwood/ heartwood charcoal; no other remains	
Ditch (primary fill)	2608	2607	2	20 L	-	-	-	-	-	No flot	
Curvilinear ditch	2612	2615	3	20 L	5 / 0	-	B / -	20	10	Large branchwood/ heartwood charcoal; some ?weed seeds	C
ACD 198											
Cremation pit	034	033	1	10 L	50 / 1		- / -	170	100+	All large branch/heartwood charcoal, rare roundwood	C
Pit	036	035	2	10 L	20 / 0	-	- / -	25	15	All large branch/heartwood charcoal	? C

Table 2. Assessment of charred plant and charcoal remains from the processed bulk samples.

Recommendations

Charred Plant Remains

There are no charred remains – no recommendations.

Charcoal

Charcoal from ditch 2612 and pits 034 and 036 should be identified.

Radiocarbon

Roundwood charcoal from cremation pit 034 (ACD 198 sample 1) should be submitted to date the cremation burial.

Summary

The lack of charred plant remains indicates that the features sampled were close to domestic and burning activities, and that the presence of large wood charcoal suggests selection of timber wood for burning (pyre, furnace, kiln) etc.

Recommendations for analysis and radiocarbon dating are given.

Acknowledgement

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Michael J. Allen, PhD, MIFA, FLS, FSA
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Appendix 5

Description of hedgebanks

APPENDIX 5: Description of hedgebanks

Boundary No:	Turbine/ Area	Width of Hedge	Height of Hedge	Width of Breach	Description
1	Compound	1.5m	1.5m	1.6m	Earth bank
2	Sub-station	2.2m	0.8m	10m	Earth bank
3	19	1.5m	1.3m	1.5m	Stone revetment on east side of earth bank
4	Compound	4.7m	2m	6m	Stone revetment on west side of earth bank
5	Compound	2m	1.5m	6m	Stone revetment on both sides of earth bank
6	15	3.6m	1.65m	3m	Earth bank
7	16	3.4m	1.5m	1.5m	Stone revetment on the north-west side
8	14/16	3.8m	1.9m	3m	Earth and stone bank
9	14	2.7m	1.5m	3m	Earth bank
10	13	2.6m	1.5m	3m	Earth bank
11	19	1.8m	0.9m	3m	Stone revetted in base and both sides
12	20	2.1m	1.2m	3m	Earth and stone bank
13	13	2m	1m	3m	Earth bank
14	3/4	3.1m	1.8m	3m	Earth bank
15	3/5	3.3m	1.1m	3m	Earth bank
16	13	1.22m	0.76m	4.5m	Earth bank
17	11	2.6m	1.7m	4.5m	Stone revetment on both sides of earth bank
18	14	1.6m	0.7m	3m	Earth bank
19	6	0.9m	1.2m	3.5m	Earth bank
20	6	2.4m	1.2m	4.5m	Stone revetment on both sides of earth bank
21	6	1.8m	1.6m	4.5m	Earth bank
22	6/10	2.2m	1.3m	4.5m	Earth bank
23	10	1.7m	1.3m	4.5m	Earth bank
24	10	1.7m	0.6m	4.5m	Earth bank
25	9	1.4m	0.45m	4.5m	Earth bank
26	9	1m	0.3m	4.5m	Earth bank
27	9/10	1.1m	1m	4.5m	Stone revetment on the south side
28	12/13	2.7m	1.1m	4.5m	Earth bank, stone revetted on west side
29	2/5	2.9m	1.1m	3m	Earth bank

Devon Office

AC archaeology Ltd
Unit 4, Halthaies Workshops
Bradninch
Nr Exeter
Devon
EX5 4LQ

Telephone/Fax: 01392 882410

Wiltshire Office

AC archaeology Ltd
Manor Farm Stables
Chicklade
Hindon
Nr Salisbury
Wiltshire
SP3 5SU

Telephone: 01747 820581
Fax: 01747 820440

www.acarchaeology.co.uk