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WNBB/01

LAND AT DALAR HIR

ARCHAEOLOGICAL TRIAL TRENCHING

commissioned by CBRE
on behalf of Horizon Nuclear Power

May 2017

CBRE

HORIZON
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HEADLAND
ARCHAEOLOGY

REGISTERED ORGANISATION CIfA

LAND AT DALAR HIR

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project info

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PROJECT SUMMARY

Headland Archaeology undertook a trial trench evaluation over a 14.9 hectare site to the north of Junction 4 of the A55 at Dalar Hir, Anglesey. Four possible burnt mounds were identified, three of which are located next to an existing watercourse. Material recovered from two of the mounds was radiocarbon dated to the late Bronze Age. The presence of linear features on a similar alignment to extant field boundaries suggests that agriculture has been the primary use for the land for an extended period of time.

The evaluation has succeeded in determining the location of areas of archaeological significance within the proposed development area. The strong correlation between the results of the geophysical survey and the trial trench evaluation gives a high degree of confidence that the sample results are representative of the site as a whole.

CONTENTS

1 INTRODUCTION 1

1.1 DESCRIPTION OF THE SITE 1

1.2 ARCHAEOLOGICAL BACKGROUND 1

2 AIMS AND OBJECTIVES 2

3 METHOD 2

4 RESULTS 2

4.1 GENERAL SITE STRATIGRAPHY 2

4.2 FIELD B1 (ILLUS 2) 2

4.3 FIELD B2 (ILLUS 2) 5

4.4 FIELD B3 (ILLUS 2) 9

4.5 FIELD B4 (ILLUS 9) 9

4.6 FIELD B5 (ILLUS 9) 16

4.7 FIELD B6 (ILLUS 9) 16

4.8 FIELD B7 (ILLUS 9) 16

4.9 FIELD B8 (ILLUS 18) 16

4.10 FIELD B9 (ILLUS 18) 17

4.11 FIELD B10 (ILLUS 18) 18

5 DISCUSSION 23

5.1 BURNT MOUNDS 23

5.2 OTHER ARCHAEOLOGICAL ACTIVITY 24

6 CONCLUSION 24

7 REFERENCES 24

8 APPENDICES 25

APPENDIX 1 TRENCH AND CONTEXT REGISTER 25

APPENDIX 2 FINDS ASSESSMENT 39

APPENDIX 3 ENVIRONMENTAL ASSESSMENT 41

APPENDIX 4 RADIOCARBON DATING CERTIFICATES 46

LIST OF TABLES

TABLE 1 RETENT SAMPLE RESULTS 42

TABLE 2 FLOTATION SAMPLE RESULTS 43

LIST OF ILLUSTRATIONS

ILLUS 1 SITE LOCATION X

ILLUS 2 FIELDS B1, B2 AND B3 3

ILLUS 3 TRENCH 2 A) NE FACING SECTION OF PIT [02003] B) SE FACING SECTION OF POST-HOLE [02005] 5

ILLUS 4 TRENCH 4 A) SW FACING SECTION OF PIT [04006] B) SW FACING SECTION OF DITCH [04003] 5

ILLUS 5 TRENCH 8 A) W FACING SECTION OF DITCH[08003] B) E FACING SECTION OF DITCH TERMINUS [08006] C) E FACING SECTION THROUGH BURNT FEATURE [08006] 7

ILLUS 6 E FACING SECTION OF POST-HOLE [10003] 7

ILLUS 7 N FACING SECTION OF LINEAR [13003] 7

ILLUS 8 W FACING SECTION OF LINEAR [15003] 6

ILLUS 9 FIELDS B4, B5, B6 AND B7 7

ILLUS 10 NE FACING SECTION OF DITCH [17004] 9

ILLUS 11 TRENCHES 19 AND 20 10

ILLUS 12 TRENCH 19 A) LINEAR [19004] IN PLAN B) OBLIQUE SHOT OF SW FACING SECTION OF BURNT MOUND [19026] C) SW FACING SECTION THROUGH BURNT MOUND [19015] D) SE FACING SECTION OF ELONGATED PIT [19010] 11

ILLUS 13 N FACING SECTION THROUGH PIT [28003] 12

ILLUS 14 E FACING SECTION OF POST-HOLE [29003] 12

ILLUS 15 NE FACING PLAN SHOT OF LINEAR [32003] 12

ILLUS 16 N FACING SECTION OF LINEAR [36003] 12

ILLUS 17 N FACING SECTION OF LINEAR [38003] 12

ILLUS 18 FIELDS B8, B9 AND B10 13

ILLUS 19 TRENCHES 41, 42, 43 15

ILLUS 20 TRENCH 42 A) PLAN SHOT OF ELLIPTICAL DITCH [42006] B) PLAN SHOT OF ELLIPTICAL DITCH [42008] C) NE FACING SECTION THROUGH BURNT MOUNT [42011] 17

ILLUS 21 SW FACING SECTION OF LINEAR DITCH [47008] 18

ILLUS 22 N FACING SECTION OF LINEAR DITCH [51004] 18

ILLUS 23 N FACING SECTION OF LINEAR DITCH [51004] 18

ILLUS 24 NW FACING PLAN OF DITCH [53002] CUTTING POSSIBLE REDEPOSITED BURNT MOUND MATERIAL (53003). BOTH OF WHICH ARE SITUATED ABOVE A LAND DRAIN 18

ILLUS 25 TRENCHES 60 AND 61 ILLUS 26 NE FACING SECTION OF LINEAR [60006] 19

ILLUS 27 N FACING SECTION THROUGH BURNT MOUND [61007] 20

ILLUS 28 TRENCHES 63, 34, 65, 66, 67 AND 68 21

ILLUS 29 SW FACING PLAN OF LINEAR [63003] AND POST-HOLE [63005] 23

ILLUS 30 SW FACING SECTION OF LINEAR DITCH [64002] 23

ILLUS 31 E FACING PLAN OF LINEAR [67004] 23

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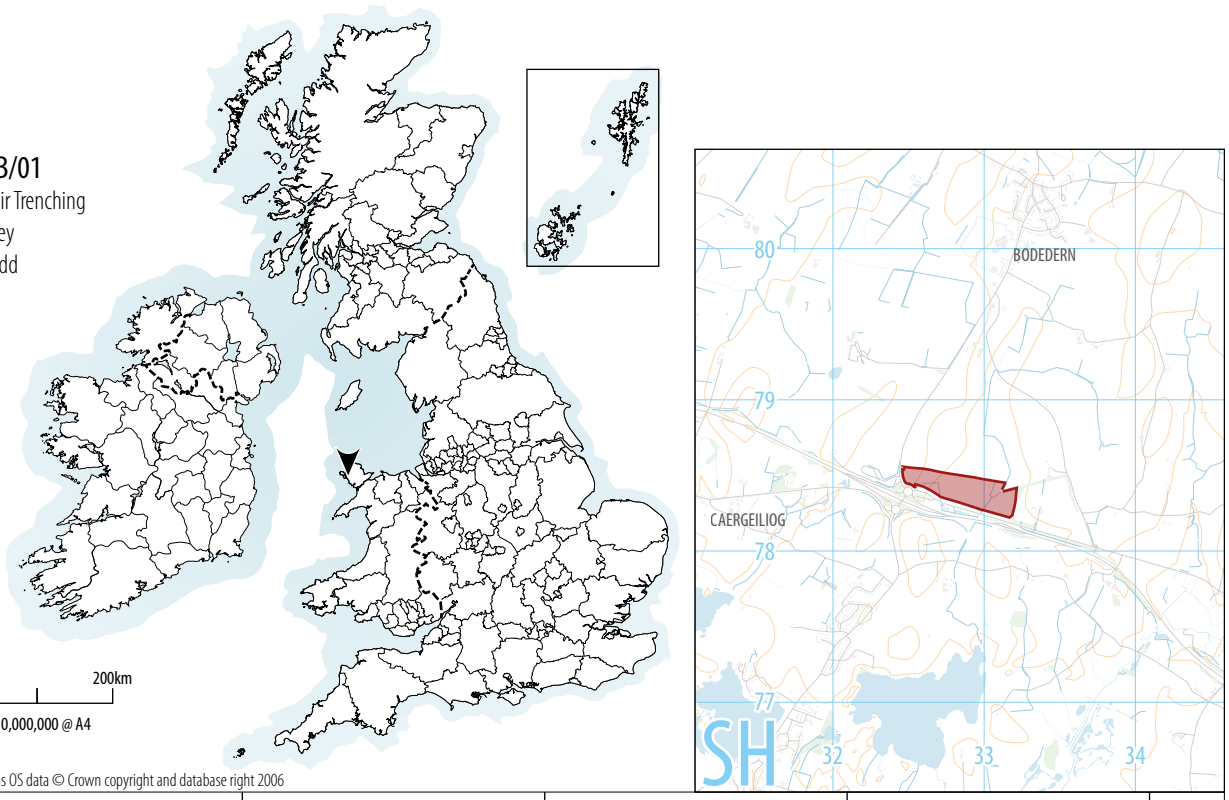
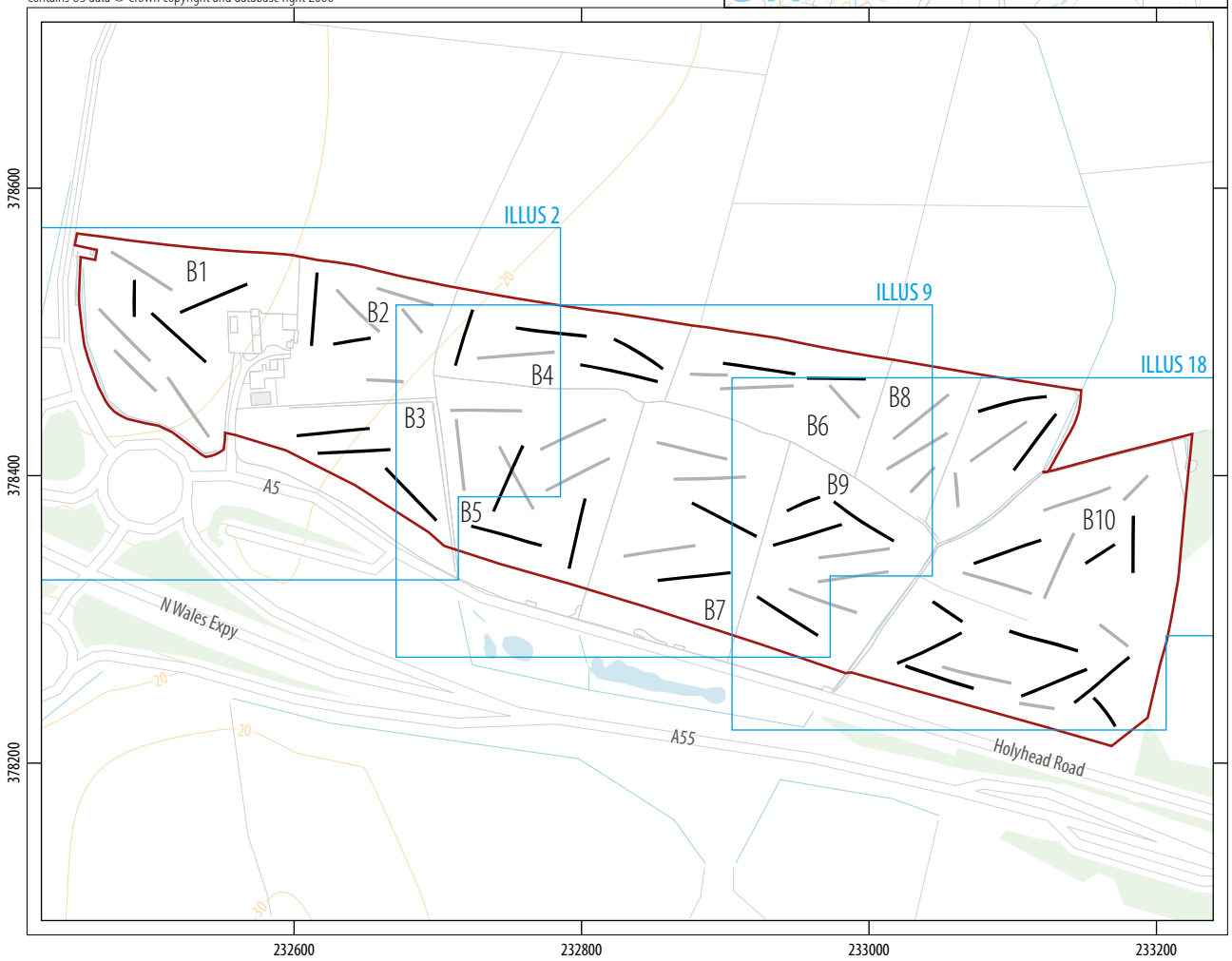
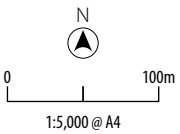
Gwynedd







KEY
- development boundary
- trenches with archaeology
- trenches without archaeology

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ILLUS 1 Site location

LAND AT DALAR HIR

ARCHAEOLOGICAL TRIAL TRENCHING

1 INTRODUCTION

Headland Archaeology (UK) Ltd was commissioned by CBRE on behalf of Horizon Nuclear Power to undertake an archaeological evaluation on land at Dalar Hir, near junction 4 of the A55 on Anglesey. Horizon Nuclear Power is planning to construct and operate the Wylfa Newydd Power Station, a nuclear facility comprising approximately 2,700MW on Anglesey, to the west of Cemaes and south-west of the existing Magnox power station. As part of the development there is a requirement for associated developments and off-site facilities to support the construction and operation of the power station. The site at Dalar Hir is the proposed location for a park and ride facility which will provide parking for operatives working on the power station development.

The trial trench evaluation forms part of a staged programme of archaeological works. The purpose of these works is to provide sufficient information on the archaeological resource for the local planning authority to determine a planning application for the development of the site. Seventy trenches, amounting to a c.4% sample, were excavated across the 14.9ha site. The trenches were located to target the results of a geophysical survey and to provide even coverage of the site.

1.1 DESCRIPTION OF THE SITE

The site is situated north of Junction 4 of the A55 south of Bodedern and covers an area of approximately 14.9 hectares centred on NGR SH 32795 78414 (Illus 1).

The proposed development area consists of semi-improved fields and relict field boundaries around the site of a 19th century farmstead at Dalar Hir. Topography varies between 14.53m AOD in the east and 21.62m AOD in the west of the site. The site is bounded to the north by pasture, the east by Cartio Mon karting circuit, to the south by the A5 and the west by London Road.

The underlying solid geology is characterised by rocks of the New Harbour Group comprising a mix of schist and psammite, with two lenticular shaped areas of lava (also of the New Harbour Group). The eastern portion of the evaluation area is underlain by Ordovician Rocks (undifferentiated) recorded as interbedded sandstone and conglomerate.

Superficial geology is predominately Devensian Till of Diamicton composition. These deposits are composed of sandy gravelly clay, originating from seasonal and post glacial melt water streams. (NERC).

The construction of the A55 Junction 4 at Dalar Hir in 2001 resulted in an increase in the ground level in the adjacent south west corner of the site due to storage and levelling of construction related spoil.

1.2 ARCHAEOLOGICAL BACKGROUND

An archaeological baseline report has been produced for land at Dalar Hir (Evans & Davidson, 2013), the results of which are summarised below.

Seven archaeological assets were identified within the proposed development area. These consisted of a boundary wall to the south that was built for the A5 Telford Road, a post-medieval field boundary, three features of unknown origin identified during a walkover survey and attributed to either natural outcropping or erratic stones, the site of Dalar Hir farmstead and a findspot of a Bronze Age Palstave.

Archaeological remains of multi-period activity have previously been identified in the vicinity of Dalar Hir. An excavation c.200m west of Junction 4 of the A55 found evidence for a Neolithic and early Bronze Age occupation site. Long term cultivation had truncated earlier remains and removed any horizontal stratigraphy, but partial remains of structures and pits survived, together with finds of worked

stone and Peterborough Ware pottery. A prehistoric stone axe was found c.160m to the southeast of the site at an enclosure known as Caer Elen, c.1.31km to the north at Bodowyr Farm a dolerite axe hammer and c.0.93km to the east near Caergeliog a bronze palstave was discovered (Evans & Davidson, 2013).

Late Roman activity in the form of a burnt root system was identified close to a similarly dated possible hearth c.0.5km south of Penmynydd Farm (Smith & Kenney, 2001).

A geophysical survey (Harrison & Webb 2016) was undertaken as part of the current programme of archaeological work at Dalar Hir. A number of anomalies of potential archaeological origin were identified including possible burnt mounds in the east of the site, a possible burnt structure, and a likely ditch in the north of the site.

2 AIMS AND OBJECTIVES

The aim of the archaeological trial trenching was to inform the cultural heritage chapter of the Environmental Statement for the scheme through providing information on the extent, condition, depth, character, quality, and date of archaeological remains. This would in turn allow a robust assessment of the value of archaeological remains that may be affected, and the magnitude and significance of this effect.

Objectives for the archaeological trail trenching were as follows:

- to identify the presence or absence of any buried archaeological remains;
- to identify, investigate and record any such archaeological remains to the extent possible by the methods put forward in the specification;
- to establish the preservation of any buried remains and provide a chronology of the archaeological phasing;
- to determine (so far as possible) the stratigraphic sequence and dating of the deposits or features identified; and
- to disseminate the results through reporting.

3 METHOD

The evaluation was undertaken in accordance with a Written Scheme of Investigation (Dempsey 2016) approved by the archaeological advisor to Gwynedd Archaeological Planning Services.

A total of 70 archaeological trial trenches were excavated, an area of approximately 6120m2 representing 4% of the proposed development area. The majority of the trenches measured 50m in length, although five measured 40m and fifteen measured 25m in order to target specific geophysical anomalies. All trenches measured 2.10m in width.

Trenches were excavated under direct archaeological supervision using a 21 tonne tracked excavator fitted with a flat bladed ditching bucket. Machine excavation terminated at the uppermost significant archaeological horizon or when geological deposits were encountered.

All trenches were planned using a Trimble differential GPS system. A record sheet was completed for each trench, even where no deposits of archaeological significance were present. Identified archaeological features were subject to hand excavation, carried out to a sufficient degree to meet the objectives of the evaluation.

All recording followed CIfA Standards and Guidance. All contexts were given unique numbers and recording was undertaken on pro forma record cards. Sections of archaeological features were hand-drawn at an appropriate scale. A digital photographic record, both in JPEG and RAW formats, was maintained during the course of the fieldwork, appropriate scales were used in all photographs.

4 RESULTS

Results are described on a field by field basis. The proposed development site comprised ten fields, named B1 through to B10. Full trench and context descriptions are presented in Appendix 1 and specialist reports on the finds and environmental assemblages are presented in Appendices 2–4. Contexts are numbered by trench number: ie Trench 1 (1000), Trench 2 (2000). Cut features are shown as [2009] whilst their fills are expressed as (2010), for example.

4.1 GENERAL SITE STRATIGRAPHY

The geological horizon was identified primarily as a mid-orange/yellow sandy clay encountered at a depth of between 0.33m and 0.57m below ground level. Overlying this in the east of the site and in Field B4 was a mid-red/brown or grey/brown silty clay subsoil between 0.10m and 0.27m in depth. Above this was a variable topsoil ranging from a mid-brown silty clay in the west that becomes a grey/brown towards the centre of the site, the east of the site is predominately a red/brown silty clay. The depth of the deposit varies widely between 0.18m and 0.40m with no discernible changes or trends in particular areas.

Three core areas of archaeological importance were identified by the evaluation, these and less concentrated areas of archaeological activity are described within the context of their individual fields below.

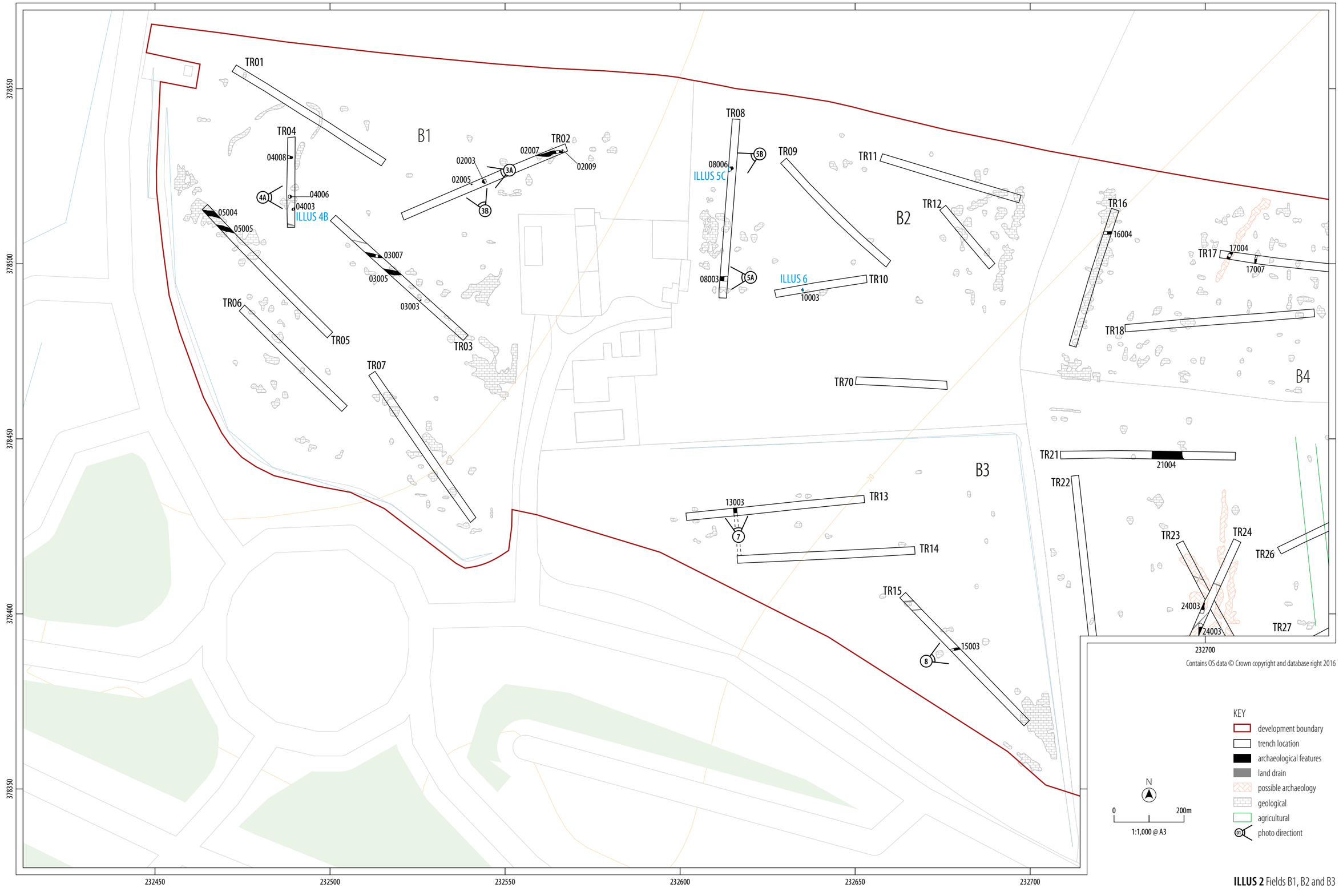
4.2 FIELD B1 (ILLUS 2)

Trenches containing archaeological features

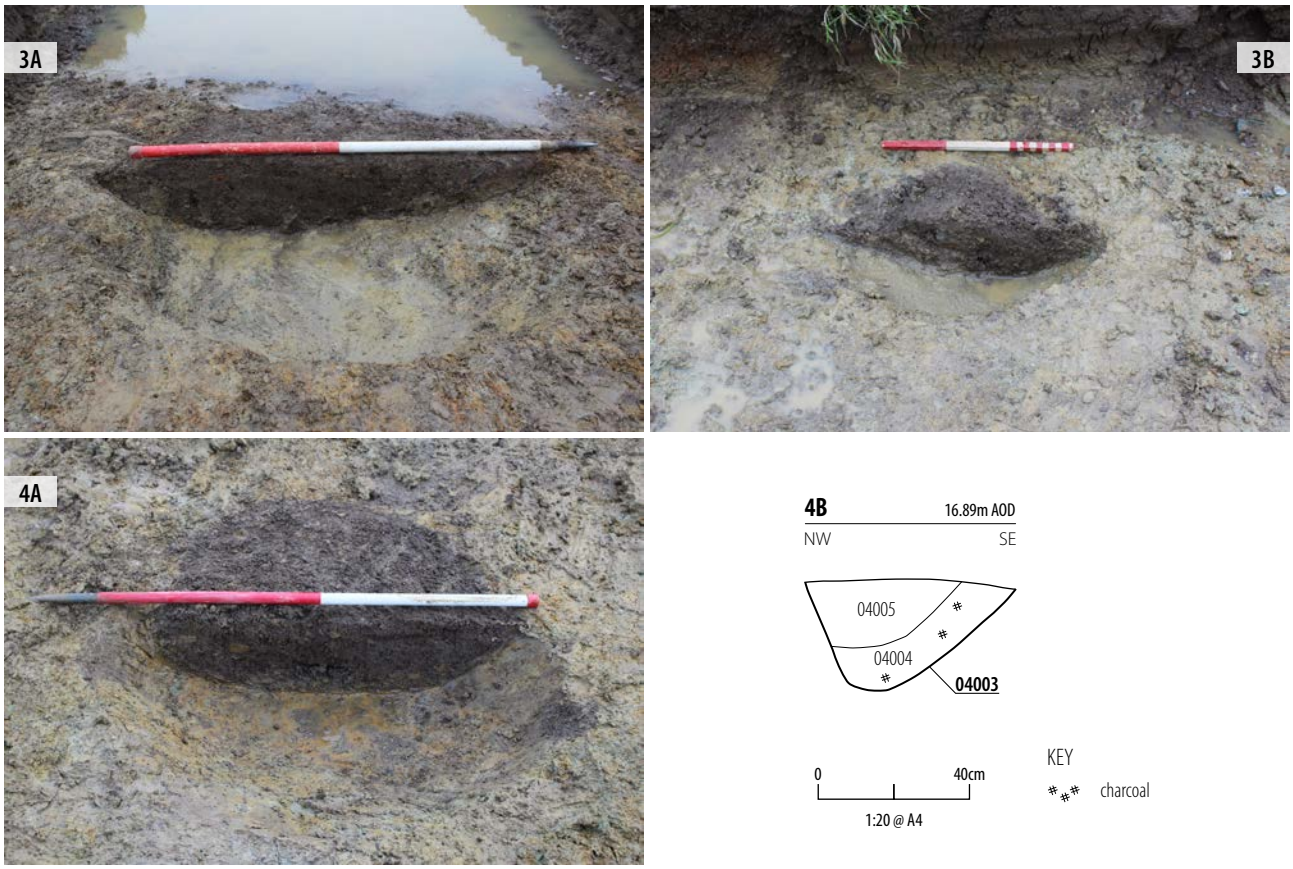
Trench 2

A shallow ditch [02007] on an east-west orientation was identified at the north-eastern end of the trench. The light grey sandy clay fill (02008) extended to a depth of 0.11m, but no dateable materials were recovered.

A square, shallow pit [02009] measuring 0.55m in width was located immediately to the east of ditch [02007]. The composition of the fill



ILLUS 2 Fields B1, B2 and B3



ILLUS 3 Trench 2 A) NE facing section of pit [02003] B) SE facing section of post-hole [02005]

ILLUS 4 Trench 4 A) SW facing section of pit [04006] B) SW facing section of ditch [04003]

(02010) was similar in nature to the topsoil suggesting the feature may be modern, no dateable material was recovered to confirm this.

A second shallow pit [02003] (Illus 3a) was identified in the centre of the trench measuring 1.00m in diameter and 0.22m in depth. The silty clay fill (02004) of the feature contained cereal grains of very poor preservation.

Post-hole [02005] (Illus 3b) was found c.3m to the west of pit [02003]. The fill of the post-hole (02006) measured 0.15m in depth and was similar in composition to deposit (02004), no cultural material was present.

Trench 3

A 0.06m deep pit [03003] containing a single mid grey/brown silty clay fill (03004) was excavated towards the south-eastern end of the trench. The feature measured 0.40m by 0.36m in plan though contained no dateable material.

Trench 4

Linear ditch [04003] (Illus 4b) was identified on a northeast-southwest alignment from the eastern baulk and terminated 1.10m into the trench. The feature contained an upper fill of mid-grey/brown silty clay containing charcoal fragments (04004), and a lower deposit of light grey brown silty clay (04005) 0.15m in depth.

A 0.83m wide ditch [04008] on an east-west alignment was identified terminating within the confines of the trench at the northern end. The mid grey silty clay fill (04009) extended to a depth of 0.07m.

To the north of ditch terminus [04003], a single pit [04006] (Illus 4a) with a diameter of 1.00m and a depth of 0.24m was identified. No dateable material was identified within the mid-brown silty clay fill (04007) of the feature.

Trenches containing non-archaeological features

Two east-west orientated modern field boundaries [03005] and [03007] identified within Trench 3 continued into Trench 5 [05004] and [05005].

A deposit of modern overburden associated with the construction of the adjacent roundabout for the A55 was present down to a depth of 0.80m below ground level in Trench 6 (06002) and 0.78m in Trench 7 (07002).

Blank trenches

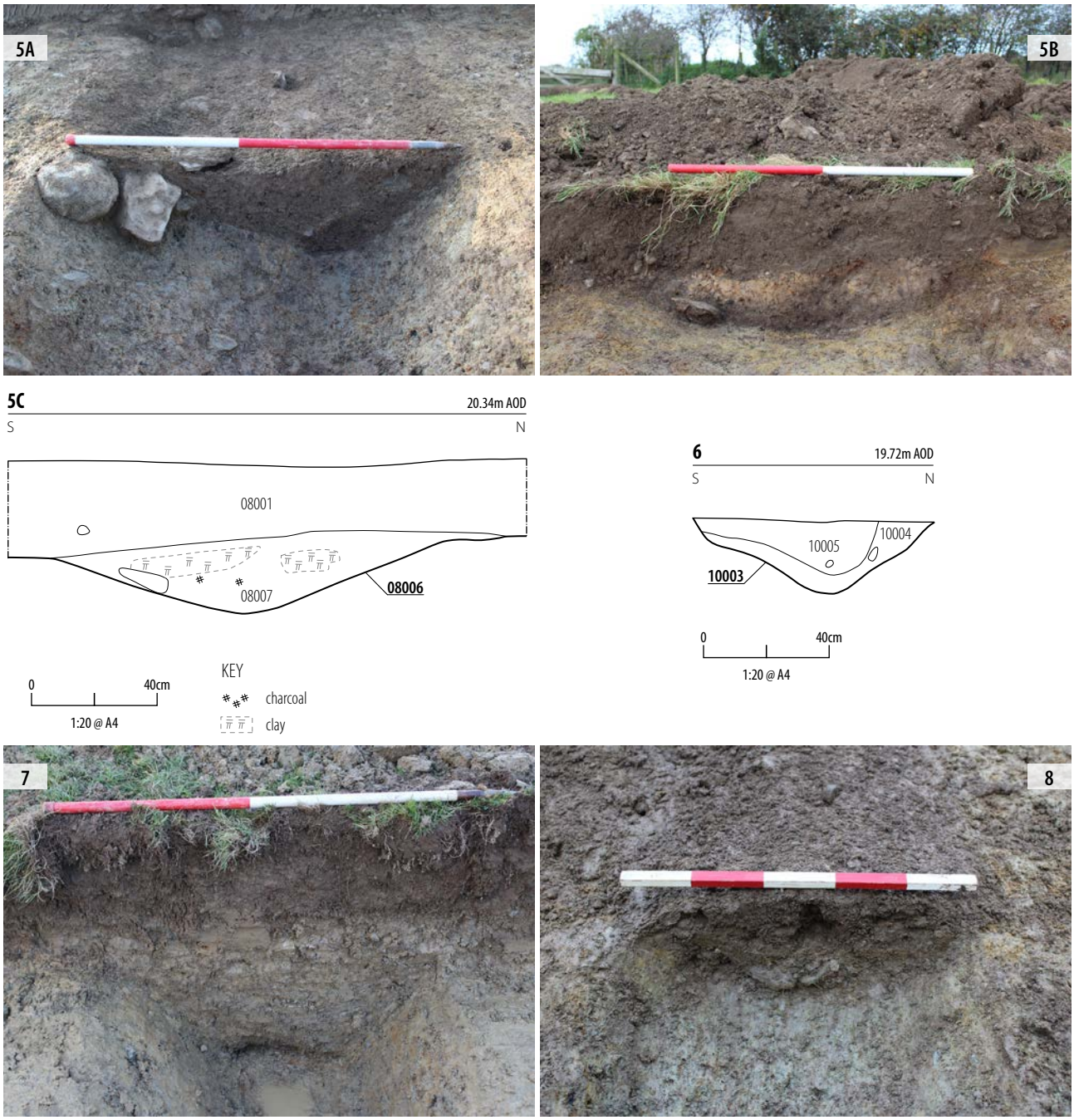
Trench 1 contained no archaeological or non-archaeological features.

4.3 FIELD B2 (ILLUS 2)

Trenches containing archaeological features

Trench 8

A 1.20m wide ditch [08003] (Illus 5a) running east-west with two fills was excavated at the southern end of the trench. The primary fill



ILLUS 5 Trench 8 A) W facing section of ditch[08003] B) E facing section of ditch terminus [08006] C) E facing section through burnt feature [08006] **ILLUS 6** E facing section of post-hole [10003] **ILLUS 7** N facing section of linear [13003] **ILLUS 8** W facing section of linear [15003]

(08004) was a mid-brown/grey silty clay with no dateable material, the secondary fill (08005) was a 0.30m deep light grey brown silty clay with redeposited natural and occasional large sub-angular stones. No cultural material was present in the deposit.

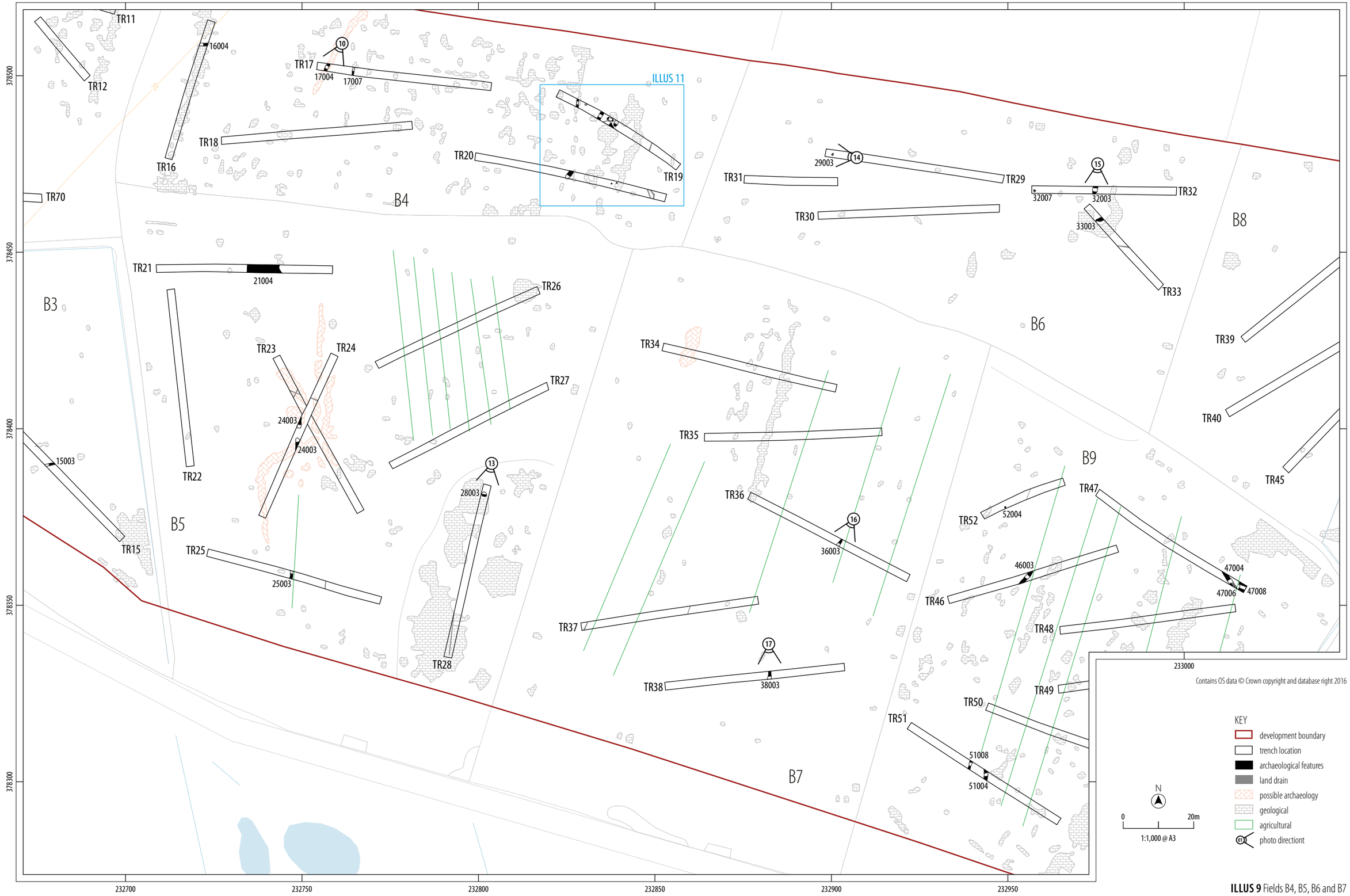
The terminus of a northeast-southwest running curvilinear feature [08006] (Illus 5b, 5c) was identified at the northern end of the trench. Measuring 1.10m in width it had a single silty clay fill (08007) containing frequent charcoal inclusions.

Trench 10

A sub-circular pit or post-hole [10003] (Illus 6) was excavated at the western end of the trench. The feature measured 0.77m by 0.46m in plan and extended to a depth of 0.23m. It contained two fills, the primary fill (10004) comprising a sterile sandy clay, which was overlain by a dark brown/black silty clay deposit (10005). No dateable material was recovered.

Blank trenches and non-archaeological features

Trenches 9 and 12 each had a tree throw pit and associated rooting. Trenches 11 and 70 were blank.



ILLUS 9 Fields B4, B5, B6 and B7

ILLUS 10 NE facing section of ditch [17004]

4.4 FIELD B3 (ILLUS 2)

Trenches containing archaeological features

Trenches 13 and 14

North-south orientated linear [13003] (Illus 7) was excavated at the western end of the trench and measured 0.90m in width and 0.44m in depth. The feature was filled by (13004), a mid-brown/grey sandy clay (13004) that contained charcoal fragments.

The same linear was identified on a north-south orientation at the western end of Trench 14, where it measured 0.83m in width. The feature was not excavated.

Trench 15

East-west orientated linear ditch [15003] (Illus 8) measuring 0.48m in width was identified in the centre of the trench. The single fill [15004] which extended to a depth of 0.16m comprised a mid grey/brown sandy clay which contained fragments of charcoal.

4.5 FIELD B4 (ILLUS 9)

Trenches containing archaeological features

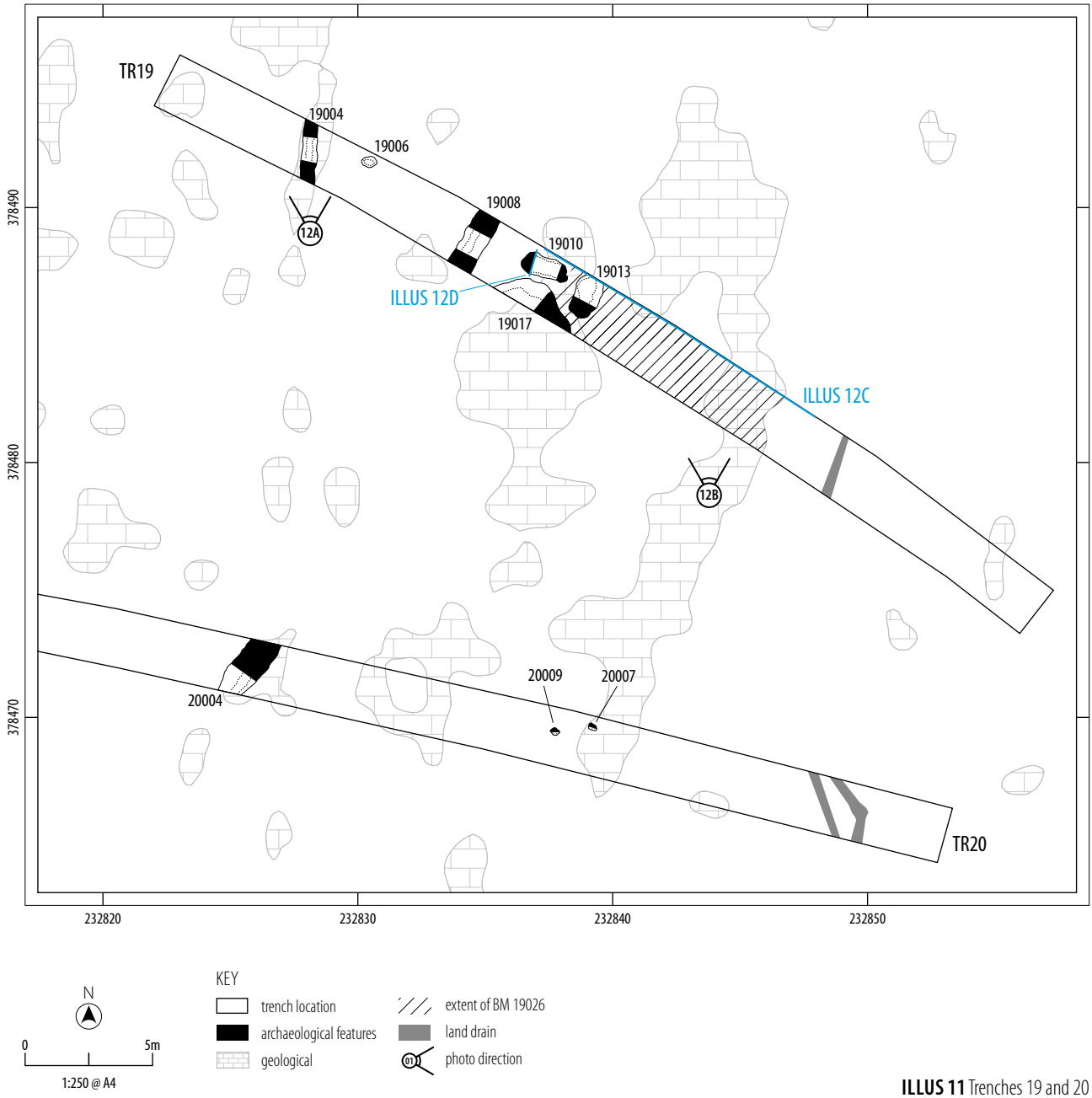
Trench 16

An east-west orientated linear ditch [16004] measuring 0.73m wide and 0.15m in depth was identified towards the northern end of the trench. The single fill of the feature (16005) was a mid-grey/yellow silty clay that was devoid of cultural material.

Trench 17

Linear feature [17004] (Illus 10) was identified running northeast-southwest at the western end of the trench. The primary fill (17005) was a mid-grey/brown sandy clay with rare charcoal flecking, the secondary fill (17006) was a dark red/brown silty clay.

To the east of [17004] was a second north-south orientated linear [17007] measuring 0.55m wide by 0.12m in depth. The sole fill (17008) was a mid-grey/brown silty clay with patches of redeposited natural.



ILLUS 11 Trenches 19 and 20

Barley grain and wheat grain were recovered from an environmental sample recovered from the feature.

Trench 19 (Illus 11 and 12b)

A North-south orientated linear [19004] (Illus 12a) measuring 0.55m wide and 0.32m deep was excavated at the western end of the trench. The single undated fill of the feature (19005) was a silty sand that contained frequent sub-angular stones throughout.

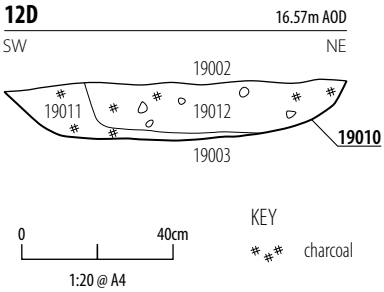
To the east of [19004] a small shallow pit [19006] was identified. The feature measured 0.50m by 0.37m in plan and 0.06m in depth. Charcoal fragments and a flint scraper considered to be Neolithic or early Bronze Age date were identified within the single fill of the pit.

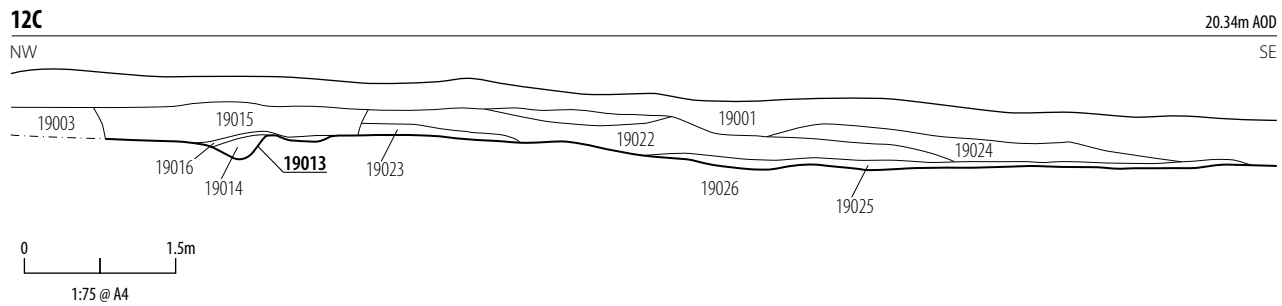
A second ditch [19008] identified towards the centre of the trench measured 0.90m in width by 0.23m in depth. The sole fill of the feature (19009) was a mid-grey/brown sandy silt that had frequent small sub-angular stones throughout but contained no dateable material.

The evaluation identified a burnt mound [19026] (Illus 12c) measuring 11.63m across and 0.51m in depth in the centre of the trench. It consisted of five different deposits, the primary two of which were (19023) a dark brown/grey sandy clay and (19025) a mid-brown/grey sandy clay. The overlying deposit (19022) was a dark grey/brown sandy clay at the centre of the feature. The latest deposits (located at either end of the feature) were (19015) and (19024), both a dark grey silty clay. All of the deposits that made up the mound [19026] had abundant quantities of angular heat affected rock and charcoal throughout. A radiocarbon date of 3108BP ± 32 was returned from a fragment of non-oak charcoal recovered from deposit (19015), placing it in the late Bronze Age.

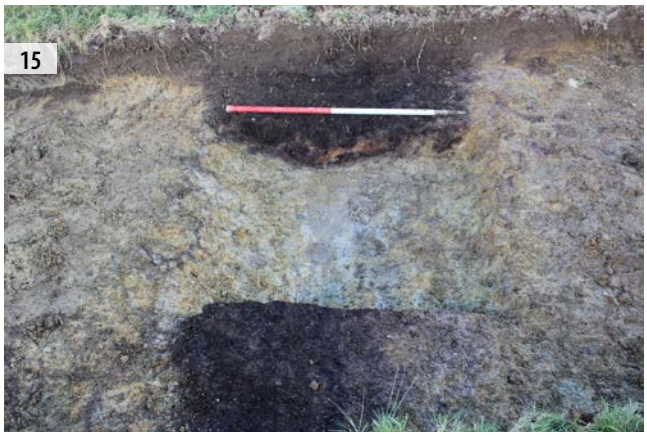
Three discrete features [19010], [19013] and [19017] were identified below the burnt mound deposits.

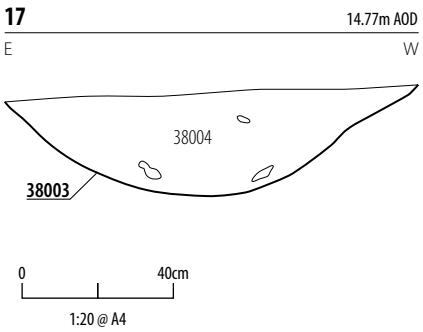
Towards the western end of the burnt mound an elongated pit feature [19010] (Illus 12d) measuring 0.90m by 2.30m in plan and





ILLUS 12 Trench 19 A) Linear [19004] in plan B) Oblique shot of SW facing section of burnt mound [19026] C) SW facing section through burnt mound [19015] D) SE facing section of elongated pit [19010]





ILLUS 13 N facing section through pit [28003] **ILLUS 14** E facing section of post-hole [29003] **ILLUS 15** NE facing plan shot of linear [32003] **ILLUS 16** N facing section of linear [36003] **ILLUS 17** N facing section of linear [38003]

0.14m in depth was excavated. The primary fill (19011) was a mid grey silty clay containing ash and charcoal inclusions. This was overlain by a dark grey/brown silty clay (19012) containing heat affected stone, ash and charcoal.

A second elongated pit [19013] was located to the east of [19010] and towards the centre of the excavated burnt mound material. The feature measured 1.00m by 1.80min plan with a depth of 0.20m. The single fill (19014) was a mid-brown/grey sandy clay with moderate quantities of heat affected stone and charcoal fragments.

Protruding out of the southern trench section was a possible pit [19017] measuring 1.90m by 0.80m in plan and 0.90m in depth. The feature had three fills; the lower fill (19018) comprised a mid-grey/brown silty clay with ash, charcoal and heat affected stone. This was overlain by a mid-grey/brown silty sand (19019) with frequent charcoal and occasional small stones throughout. The upper deposit (19020) was abundant in charcoal and heat affected rock.

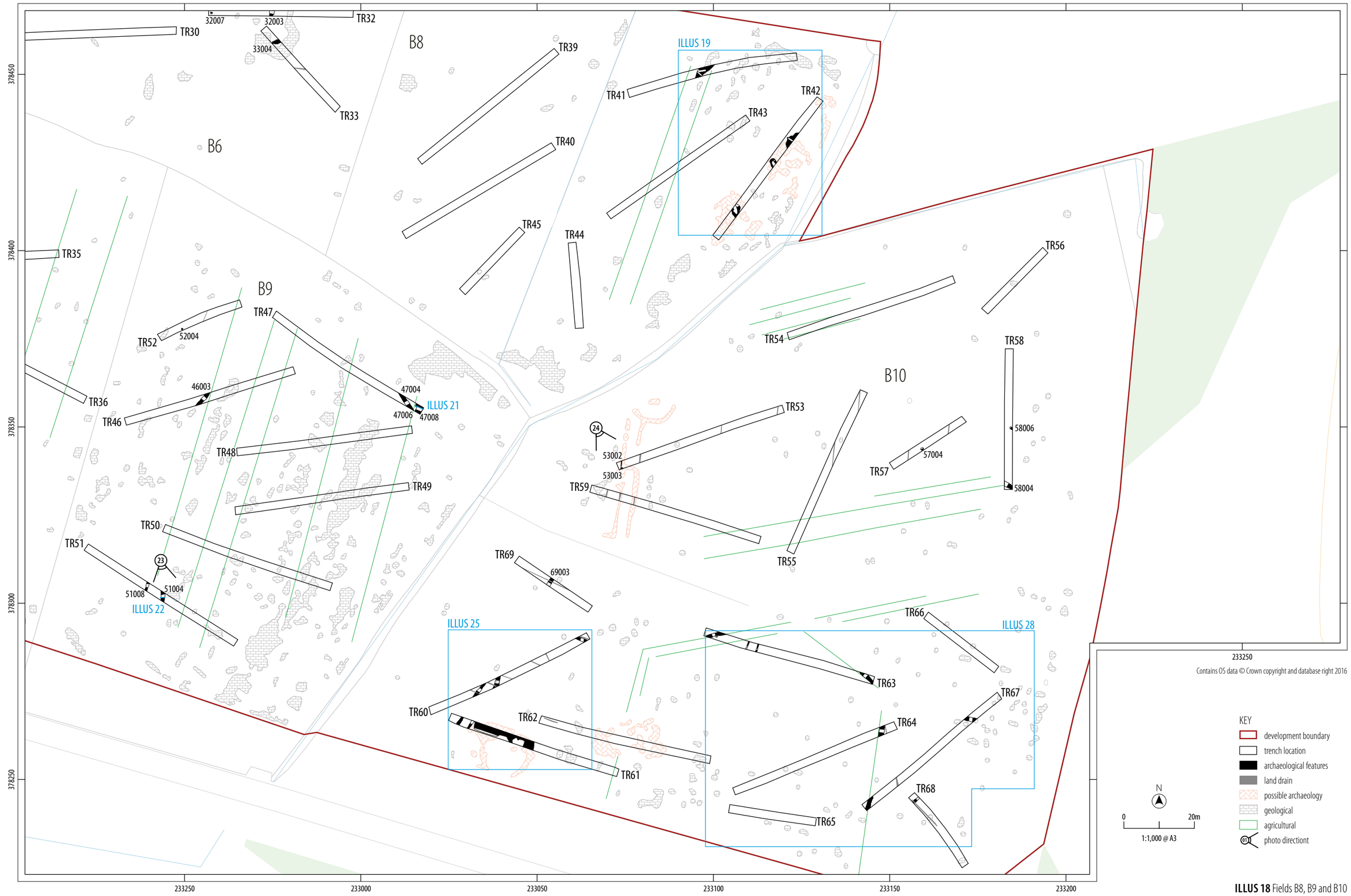
Trench 20

An apparent continuation [20004] of ditch [19008] was present towards the centre of the trench.

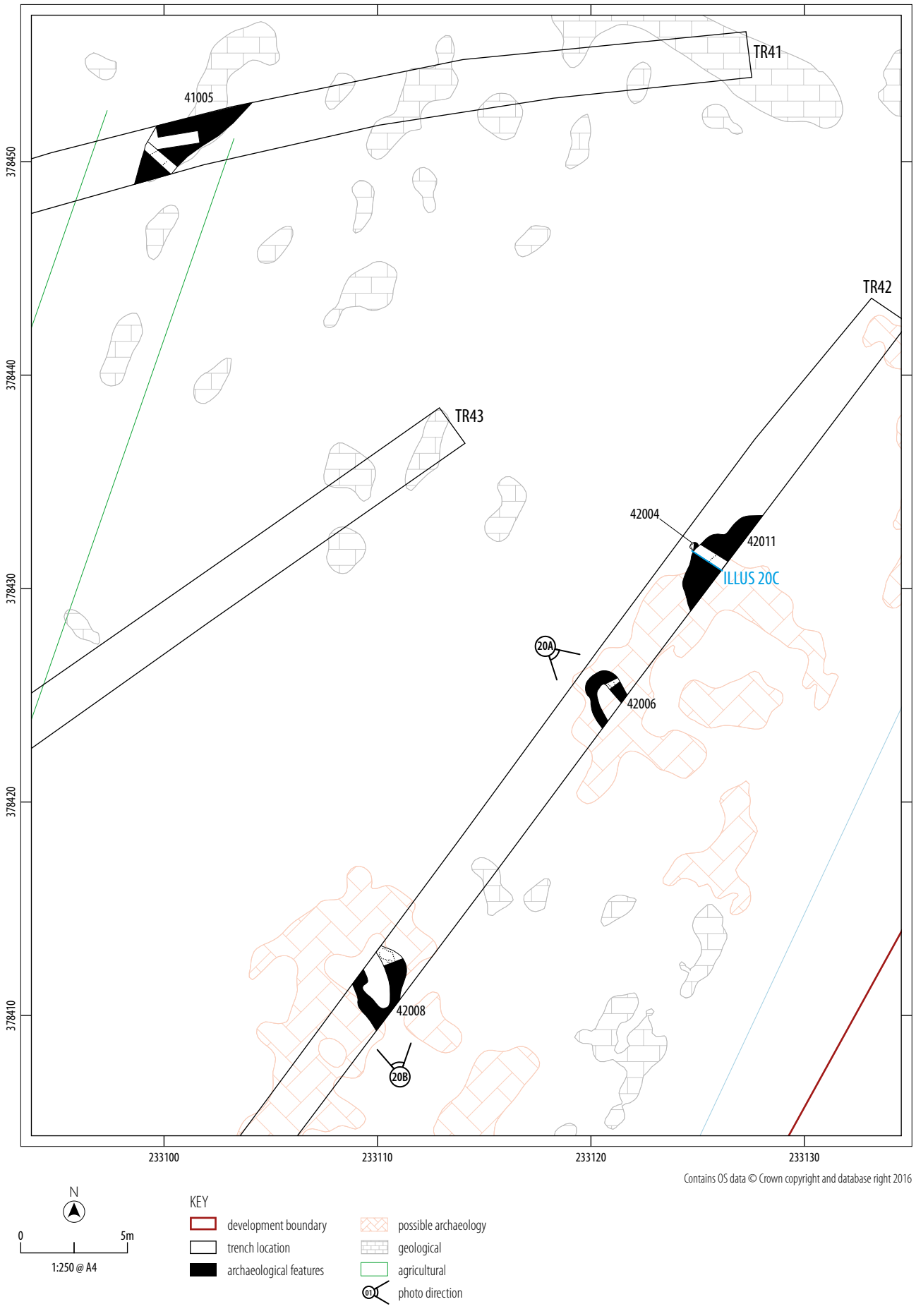
To the east were two possible post-holes. Feature [20007] measured 0.32m by 0.23m in plan and 0.07m in depth and contained a single mid-brown/grey silty clay fill (20008). Post-hole [20009] measured 0.30m by 0.25m in plan and 0.09m in depth, the sole fill (20010) was a mid-grey/brown silty clay. Neither feature contained any dateable material.

Blank trenches

Trench 18 contained no archaeological deposits.



ILLUS 18 Fields B8, B9 and B10



ILLUS 19 Trenches 41, 42, 43

4.6 FIELD B5 (ILLUS 9)

Trenches containing archaeological features

Trench 24
A shallow (0.09m) north-south orientated ditch [24003] ran through the centre of the trench and was heavily truncated by a northeast-southwest running land drain. The feature's single mid-grey/brown silty clay fill (24004) contained no dateable material.

Trench 25
The north-south linear ditch identified in Trench 24 [24003] appears to have continued [25003] and was excavated towards the centre of the trench. The single fill (25004) was a mid-grey/brown silty clay containing no dateable material.

Trench 28
The northern end of the trench contained a 1.4m wide sub-circular pit [28003] with a flat base (Illus 13). The single fill (28004) was a mid-brown/grey silty clay that had occasional patches of sand and rooting present throughout. No dateable material was recovered from the feature.

Trenches containing non-archaeological features
Towards the centre of Trench 21 a north-south orientated feature [21004] was identified that measured 8.72m in width and 0.10m in depth. The shallow depth of the deposit and lack of any cultural material within, suggests that it represented a silted depression in the surface of the natural geology.

Blank trenches
Trenches 22, 23, 26 and 27 contained no archaeologically significant deposits.

4.7 FIELD B6 (ILLUS 9)

Trenches containing archaeological deposits

Trench 29
The excavation identified a small sub-circular pit [29003] (Illus 14) with steep sides and a rounded base at the western end of the trench. The feature, which measured c.0.50m in diameter and 0.12m in depth, contained a single dark black/brown silty clay fill similar in colour and composition to the topsoil (29001). No dateable material was recovered.

Trench 32
A small shallow pit [32007] measuring 0.65m in width was excavated at the western end of the trench. The single fill (32008) of the feature was a mid-orange/grey silty clay which was devoid of cultural material.

In the centre of the trench was a north-south orientated linear ditch [32003] containing three fills. Fragments of charcoal were identified in each of the deposits.

Trenches containing non-archaeological features
A tree throw pit [33003] was identified in Trench 33.

Blank trenches
Trenches 30 and 31 contained no archaeological deposits.

4.8 FIELD B7 (ILLUS 9)

Trenches containing archaeological features

Trench 36
A northeast-southwest orientated linear with steep sides and a rounded base [36003] (Illus 16), 0.82m in width and 0.27m in depth was identified near the centre of the trench. The single fill of the feature (36004) contained fragments of charcoal.

Trench 38
Linear ditch [38003] (Illus 17) was orientated northwest-southeast with steep sides and a rounded base, and was identified towards the centre of the trench. Assessment of the environmental sample recovered from the mid-grey/brown sandy clay fill identified twig fragments suitable for AMS dating.

Blank trenches
No archaeological features were identified in Trenches 34, 35 and 37.

4.9 FIELD B8 (ILLUS 18)

Trenches containing archaeological features

Trench 41 (Illus 19)
A northeast-southwest orientated linear [41005] was identified in the centre of the trench, measuring 1.30m in width and 0.26m in depth. The mid-grey/brown silty clay fill (41006) had frequent large and very large sub-angular stones and occasional charcoal.

Trench 42 (Illus 19)
The fringes of a possible burnt mound [42011] (Illus 20c) measuring 4.00m by 1.43m in plan and 0.33m in depth extended into the northern end of the trench. The fill (42012) was a very dark grey silty clay with occasional small-medium heat affected rock fragments and frequent charcoal inclusions.

Directly to the west of [42011] was post-hole [42004] measuring 0.38m by 0.30m in plan and 0.11m in depth. The single fill of the feature was (42005) a dark grey/brown silty clay with moderate quantities of sub-angular stone and charcoal present.

The first of two elliptical ditches [42006] (Illus 20a) was present towards the centre of the trench, south of burnt mound [42011]. Measuring 1.80m in diameter, 3.19m in length and 0.32m in depth, the width of the ditch itself was 0.63m. The single fill (42007) of the feature was a dark grey/brown silty clay with frequent charcoal and sub-angular stones.

ILLUS 20 Trench 42 A) Plan shot of elliptical ditch [42006] B) Plan shot of elliptical ditch [42008] C) NE facing section through burnt mount [42011]

The second elliptical ditch [42008] (Illus 20b) was excavated at the southern end of the trench and measured 3.17m in diameter, c.4.5m in length and 0.30m in depth, the width of the ditch itself was 1.05m. The primary fill (42010) lined the cut from top to base with no inclusions and the secondary fill (42009) contained frequent sub-angular stones and charcoal throughout.

Blank trenches

Trenches 39, 40, 43, 44 and 45 contained no features of archaeological significance.

4.10 FIELD B9 (ILLUS 18)

Trenches containing archaeological features

Trench 46

A northeast-southwest orientated linear [46003] measuring 0.95m in width was located in the centre of the trench. The feature contained two deposits, both of which contained burnt material. The primary fill (46004) comprised a silty clay measuring 0.14m in depth with occasional small charcoal flecks in the upper part of the deposit. The secondary deposit (46005), a sandy clay with a depth of 0.22m, contained rare ash and occasional charcoal.

Trench 47

A linear ditch [47004] and its recut [47006] both orientated north west-south east were excavated in the southern half of the trench. The earlier linear was 0.90m wide with the recut measuring 0.50m, the depth of the recut was slightly deeper for [47004]. The deposits for both the original (47005) and recut ditch (47007) were silty clays with occasional charcoal present.

At the very eastern end of the trench was an irregular northeast-southwest linear feature [47008] (Illus 21), the single fill (47009) of which comprised a mid-grey/brown silty clay with light yellow/grey patches throughout. The north western edge was heavily disturbed by rooting, creating the irregular shape of the feature.

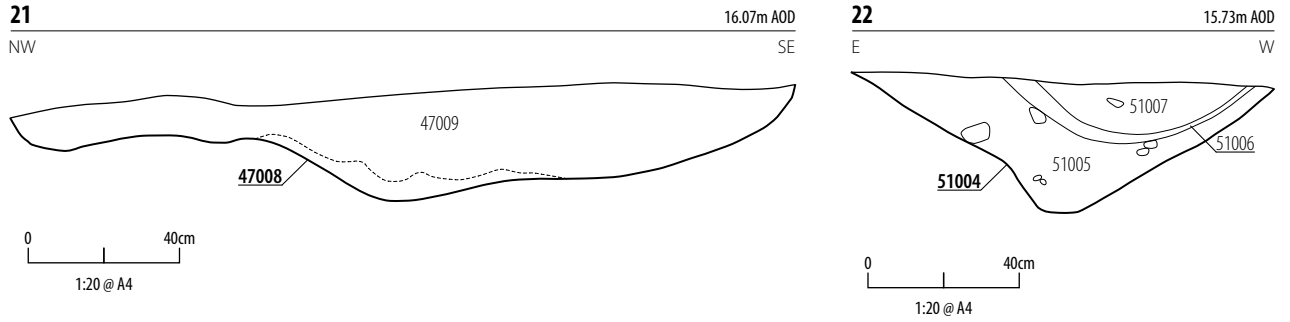
Trench 51

A wide shallow linear feature [51004] (Illus 22, 23) containing three fills was present on a north-south orientation in the centre of the trench. Deposit (51005), a dark grey/brown silty clay had occasional large sub-angular stones throughout and contained a single flint flake. Overlying this was (51006) which consisted of a sandy clay with charcoal flecking throughout. Charcoal flecking continued into the uppermost deposit (51007) along with rare sub-angular stones throughout.

The evaluation revealed a second linear feature [51008] to the west of [51004]. On a north-south orientation it measured 0.73m in width by 0.10m in depth with a single fill (51009) comprising a mid-brown/grey silty clay.

Trench 52

A small, shallow pit [52004] was identified towards the southern end of the trench. The feature measuring 0.48m in diameter and 0.09m in depth and contained a single fill (52005), a mid-blue/black sandy clay with occasional charcoal flecking throughout.



ILLUS 21 SW facing section of linear ditch [47008] **ILLUS 22** N facing section of linear ditch [51004] **ILLUS 23** N facing section of linear ditch [51004]
ILLUS 24 NW facing plan of ditch [53002] cutting possible redeposited burnt mound material (53003). Both of which are situated above a land drain

Blank trenches

No archaeological features were identified in Trenches 48, 49 or 50.

4.11 FIELD B10 (ILLUS 18)

Trenches containing archaeological features

Trench 57

Trial trenching identified a shallow sub-circular pit [57004] (Illus 23) in the centre of the trench with the single fill (57003) comprising a mid-grey/brown silty clay. No dateable material was recovered from the feature.

Trench 58

A wide, shallow northwest-southeast orientated ditch [58004] was identified at the very south of the trench. The mid-grey/brown silty clay fill (58003) was the only deposit and no cultural material was present to provide dating.

Towards the centre of the trench a possible ditch terminus or elongated pit [58006] was identified. A single fill (58005) comprising a light grey/yellow silty clay was present, but no dateable material was recovered.

Trench 60 (Illus 25)

The evaluation identified a wide, shallow linear [60002] containing a mid-yellow/grey silty clay fill (60003) at the north-eastern end of the trench.

Towards the western end of the trench a southwest-northeast orientated linear ditch [60004] was present. Measuring 0.70m wide by 0.18m in depth it contained a single fill (60005) of light grey clay.

Immediately to the east of linear [60004], a further ditch [60006] (Illus 26), measuring 1.34m in width and 0.26m in depth was identified. The single fill (60007) was a mid-grey/brown clay devoid of cultural material.

Trench 61 (Illus 25)

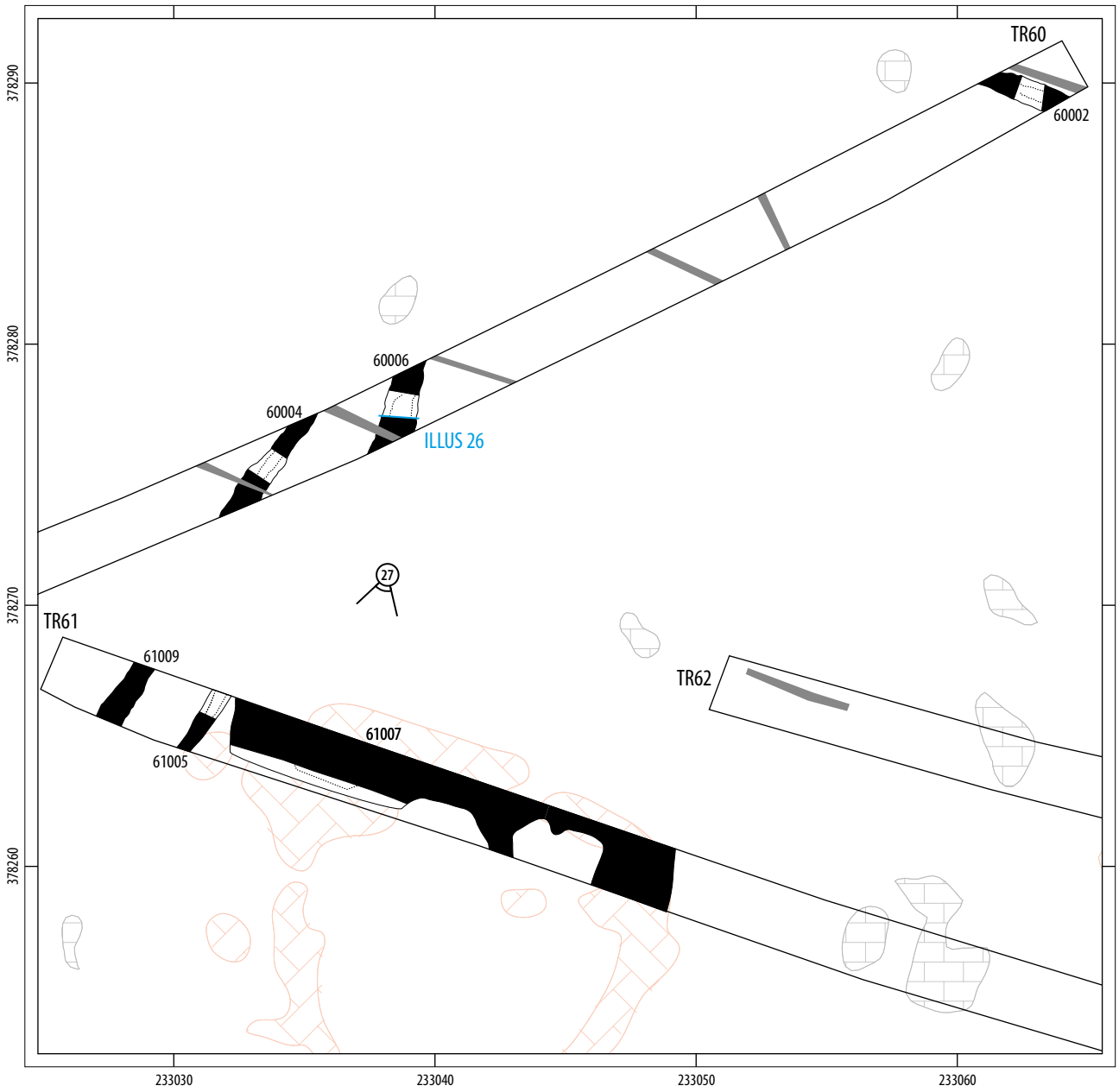
A southwest-northeast orientated linear [61005] was identified towards the western end of the trench. Measuring 0.91m wide and 0.28m in depth it had a single fill (61006), a mid grey black silty clay.

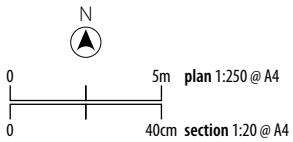
The centre of the trench was dominated by a 17.82m wide burnt mound [61007] (Illus 27). A slot measuring 7.54m in length excavated through the feature revealed a single 0.30m deep dark grey black silty clay fill (61008). Frequent inclusions of heat affected rock and charcoal were present in the deposit. A charred cereal grain (Hordeum) found in the deposit was radiocarbon dated to 3061BP ± 32, placing it in the late Bronze Age.

A 0.91m wide southwest-north east orientated linear [61009] was identified at the western end of the trench. The position and orientation suggested it was a continuation of feature [60004].

Trench 63 (Illus 28)

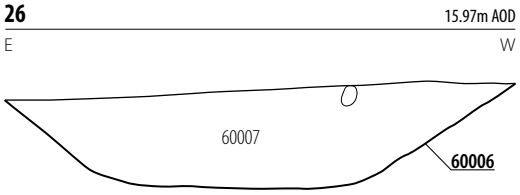
A northeast-southwest orientated linear [63003] (Illus 29) was excavated at the western end of the trench, measuring 0.90m wide





KEY

- trench location
- archaeological features
- land drain
- possible archaeology
- geological
- photo direction



ILLUS 25 Trenches 60 and 61 ILLUS 26 NE facing section of linear [60006]

ILLUS 27 N facing section through burnt mound [61007]

and 0.10m deep. The mid grey/brown silty clay fill (63004) of the feature contained no culturally significant material.

Directly to the south of [63003] was a small sub-circular pit [63005] measuring 0.60m by 0.40m in plan and 0.20m in depth. The feature was filled with a dark grey/brown silty clay (63006) deposit.

Two parallel northeast-southwest orientated gullies were identified towards the centre of the trench. Gulley [63007] with fill (63008) was 0.30m wide, gulley [63009] with fill (63010) was 0.36m wide. Both fills were a dark grey brown silty clay; neither deposit provided material suitable for dating.

At the eastern end of the trench a further linear [63011] measuring 1.10m wide by 0.34m deep was identified on a northwest-southeast orientation. The primary fill (63012) was a mid grey/brown silty clay and the upper fill (63013) was a mid orange brown silty clay. No artefactual material was recovered from the feature.

Trench 64 (Illus 28)

The evaluation identified a north-south orientated linear ditch [64002] (Illus 30) at the northern end of the trench. The broad ditch, which measured 0.28m in depth had a single fill (64003) comprising a mid grey brown silty clay.

Trench 67 (Illus 28)

The continuation of feature [64002] was identified at the western end of Trench 67 [67007].

A 1.15m wide linear feature [67004] (Illus 31) was excavated at the northern end of the trench. Measuring 0.28m in depth and orientated on an east-west alignment it had a single dark grey/brown silty sand fill (67005).

Trench 68 (Illus 28)

A northeast-southwest orientated linear [68003] was truncated by a modern land drain at the eastern end of the trench. Measuring 0.69m wide and 0.32m in depth its sole fill (68004) was a dark grey brown silty clay that contained no dateable material.

Trench 69 (Illus 18)

Linear ditch [69003] measuring 1.08m in plan and 0.29m in depth was excavated in the centre of the trench. On a northeast-southwest alignment it may represent a continuation of linear feature [60004]. The sole fill of the linear (69004) was a mid-blue/grey silty clay that contained no dateable material.

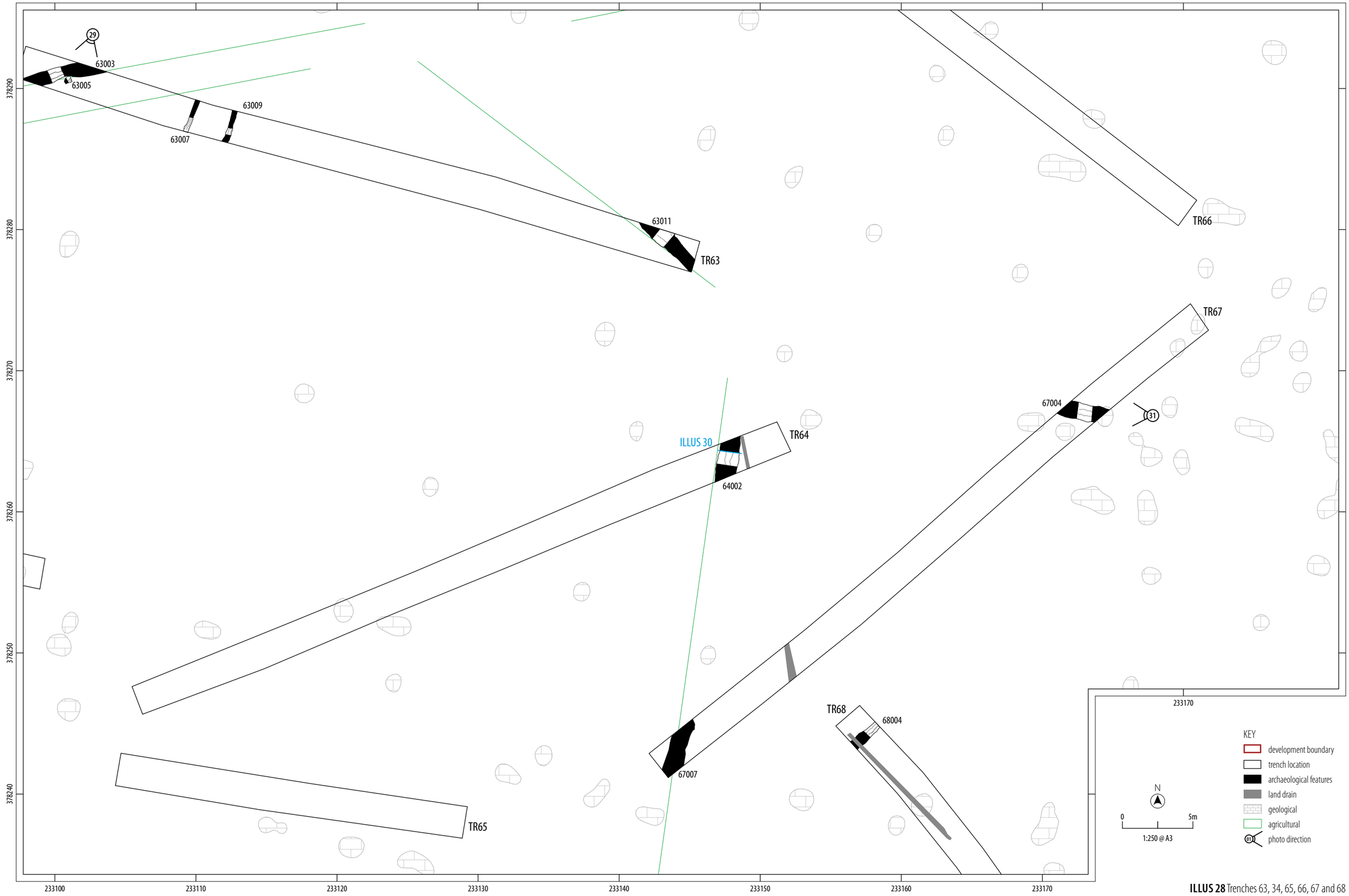
Trenches containing non-archaeological features

Trench 53

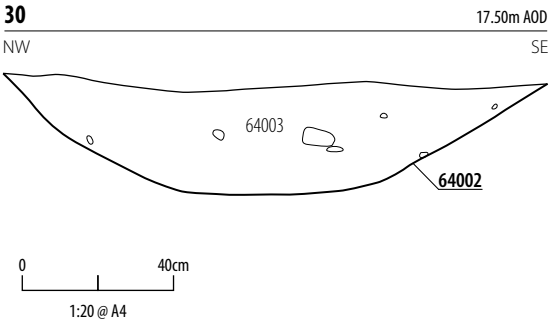
Possible burnt mound material (53002/3) (Illus 24) was present in and above a land drain at the western end of the trench, likely deposited from a nearby area outside the confines of the trench.

Trench 62

A significant depth (0.97m) of made ground was identified towards the centre of the trench. The area had been backfilled with modern material acquired during the construction of the nearby carting track.



ILLUS 28 Trenches 63, 34, 65, 66, 67 and 68



ILLUS 29 SW facing plan of linear [63003] and post-hole [63005] **ILLUS 30** SW facing section of linear ditch [64002] **ILLUS 31** E facing plan of linear [67004]

Blank trenches

Trenches 54, 55, 56, 59, 65 and 66 contained no archaeologically significant deposits.

5 DISCUSSION

The trial trench evaluation has shown a reasonably strong correlation with the results of the geophysical survey. As per the geophysical interpretation, burnt mounds were identified at the east of the site (Fields B8 and B10) either side of the extant watercourse (Illus 18). On occasion anomalies interpreted as being potentially archaeological, were identified as non-archaeological during the trial trenching. It is worth noting that in these areas the natural geology was particularly high or there was modern disturbance. A small number of features identified during the trial trenching were not identified through geophysical survey, these generally comprised large quantities of stone (in particular the burnt mound in Trench 19) that was similar to the background geological material.

5.1 BURNT MOUNDS

The archaeological work identified four potential burnt mounds across the site, three situated close to the watercourse at the east of the site and one on its own towards the centre of the site in field B4. Burnt mound [19026] (Field B4) (Illus 11, 12) is located at the northern edge of the site on an area of land gently sloping down to the modern field boundary to the east between fields B4 and B5. While no modern watercourse is present in the immediate area the surrounding ground is seasonally wet with modern boundary ditches and land drains diverting the majority of ground water away to the south off the site. It is possible that a former watercourse lies close to the site of [19026] either on the site of the current field boundary or outside of the evaluation area to the north.

The geophysical survey identified [19026] as a possible geological anomaly, the elongated shape established by the survey may be the result of extensive agricultural activity damaging the feature and spreading it across the area. It is difficult therefore from the evaluation to successfully establish whether the multiple deposits that make up the burnt mound were created over several different in situ events or the result of periodic agricultural activity.

Beneath the burnt mound three features were identified. Elongated pits [19010, 19013, 19017] contained possible burnt mound material within their fills along with magnetised gravel which is a common result of burning. It is possible that the burnt mound material found was not deposited deliberately within the features but has become amalgamated within their fills over time through later agricultural activity or bioturbation. It is difficult therefore to determine whether or not all of these features are contemporary with the burnt mound or earlier features.

A flint scraper dated to the later Neolithic/early Bronze Age was found in pit [19006] to the west of the burnt mound that was radiocarbon dated to the late Bronze Age. These two dates provide evidence for either an elongated period of activity or a reuse of the same site in a later period.

The very edge of a possible burnt mound [42011] was identified in Trench 42 (Field B8) (Illus 19) located directly next to a watercourse. The mound was found in association with several other features including two elliptical ditches to the south [42006] and [42008]. No finds were recovered to provide any successful dating and association, however heat affected rock and charcoal were present within all of the features in the trench.

Burning was also evident from the charcoal identified in the fills of linear ditch [41005] in the adjacent trench to burnt mound [42011]. A small fragment of burnt clay was also present in the fill however due to its size the original shape and purpose are now unknown.

The majority of the charcoal assemblage, both in these deposits and across the site, were coated with an orange mineral concretion. This indicates periods of wetting and drying that may be the result of either seasonal or deliberate flooding in these areas of burning.

The geophysical survey identified a possible burnt mound on the north-eastern boundary of Field B10 on the opposing side of the watercourse to [42011]. Due to ecological constraints with the proximity of proposed trenches to the watercourse and hedgerows it was not possible to excavate at this location. Two possible linear anomalies were identified aligned north-south away from the feature and these were the target for evaluation. Upon excavation of Trench 53 these were found to be land drains that had heat affected rock within them, material that has possibly come from the feature to the west identified by the geophysical survey.

Evidence for a further possible burnt mound in Field B10 was identified within Trench 61 both through geophysical survey and trial trenching (Illus 25). A large area of heat affected rock [61007] was exposed and shown by excavation to be 0.30m in depth. Given the shallow depth of the geological horizon in the area it is likely that a portion of the feature has been lost to modern agricultural practices.

The radiocarbon dating of burnt mounds [19025] and [61007] revealed a narrow timeframe of use within the late Bronze Age contrasting with the recent discoveries associated with the Wylfa Newydd development to the north (Bain 2017). Burnt mounds [2026-004] and [2282-005] located within the main works at Wyfla Newydd were carbon dated to 4161 +/- 30 Cal BP and 3705 +/- Cal BP approximately 600 years earlier than the Dalar Hir examples.

5.2 OTHER ARCHAEOLOGICAL ACTIVITY

Many of the linear features that are present across the site were identified by the geophysical survey. Their alignments match that of the extant field boundaries providing evidence for possible previous field divisions. The mapping of the area extends back to the 1848 Tithe map where the field boundaries are very similar to their current location. The very shallow depth of the ditches identified could be the result of extensive ploughing suggested by the shallow natural combined with short lived or temporary field divisions.

There is a relatively small and scattered distribution of post-holes and pits across the site, the lack of any concentration of activity found during the evaluation would lead to the conclusion that there is no settlement activity present on the site itself. However at a 4% sample rate it is possible that unidentified activity may still be present beyond the bounds of the excavated trenches.

A very small number of cereal grains were recovered from across the site. The species present; barley (Hordeum sp.), bread/club wheat (Triticum c.f. aestivo-compactum) and oat (Avena sp.) are too few in number to provide any significant information other than possible crop choices. Further excavation may however provide a wider assemblage that would better inform on the site economy.

6 CONCLUSION

The evaluation has succeeded in determining the location of areas of archaeological significance within the proposed development area. The strong correlation between the results of the geophysical survey and the trial trench evaluation gives a high degree of confidence that the sample results are representative of the site as a whole.

Four potential burnt mounds have been identified, however the extent of these has either been compromised by truncation likely to have been caused by later agricultural practices or could not be properly assessed due to ecological constraints.

The environmental and finds assessments indicate that burning has taken place on the site from the quantities of charcoal and magnetised gravel present across the site, activity that is appropriate given the presence of burnt mounds.

The results of the geophysical survey and trial trenching provide sufficient information to ascertain the significance and extent of the archaeological resource at Dalar Hir. Further excavation targeted upon the burnt mounds would appear to be an appropriate mitigation strategy given the results of both the geophysical survey and trial trench evaluation.

7 REFERENCES

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8 APPENDICES

APPENDIX 1 TRENCH AND CONTEXT REGISTER

Min. D GD/L = Minimum depth to geological deposit/level of archaeological significance

Max. D GD/L = Maximum depth to geological deposit/level of archaeological significance

TR01		L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
		50	2.10	–	0.35
CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
01001	Topsoil – Mid brown silty clay with some stones	–	>50	>2.10	0.29
01002	Natural – Yellow/orange mottled sandy clay with moderate stones	–	>50	>2.10	–

TR02		L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
		50	2.10	–	0.41
CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
02001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.31
02002	Natural – Yellow/orange mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–
02003	Cut of pit	–	1.00	1.00	0.22
02004	Fill of [02003]	–	1.00	1.00	0.22
02005	Cut of posthole	–	0.40	0.40	0.15
02006	Fill of posthole [02005]	–	0.40	0.40	0.15
02007	Cut of linear	–	>4.50	0.65	0.12
02008	Fill of [02007]	–	>4.50	0.65	0.12
02009	Cut of pit	–	0.55	0.57	0.12
02010	Fill of pit [02009]	–	0.55	0.57	0.12

TR03		L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
		50	2.10	–	0.43
CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
03001	Topsoil – Mid brown silty clay with some stones	–	>50	>2.10	0.32
03002	Natural – Yellow/grey mottled sandy clay with moderate stones and cobbles	–	>50	>2.10	–
03003	Cut of posthole	–	0.40	0.36	0.06
03004	Fill of [03003]	–	0.40	0.36	0.06
03005	Cut of ditch – Modern field boundary, not excavated	–	>2.10	0.63	NFE
03006	Fill of [03005] – Mid greyish brown silty clay with common small/ medium sub angular stone inclusions	–	>2.10	0.63	NFE
03007	Cut of ditch – Modern field boundary	–	>2.10	0.57	0.07
03008	Fill of [03007] – Mid greyish brown silty clay with common small sub angular stones inclusions	–	>2.10	0.57	0.07

TR04		L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
		25	2.10	–	0.37
CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
04001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.26
04002	Natural – Yellow sandy clay with stones and cobbles	–	>50	>2.10	–
04003	Cut of ditch	–	1.10	0.55	0.20
04004	Fill of ditch [04003]	–	1.10	0.55	0.15
04005	Upper fill of ditch [04003]	–	1.10	0.55	0.30
04006	Cut of pit	–	1.00	1.00	0.24
04007	Fill of pit [04006]	–	1.00	1.00	0.24
04008	Cut of ditch	–	>1.30	0.83	0.07
04009	Fill of ditch [04008]	–	>1.30	0.83	0.07

TR05		L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
		50	2.10		0.36
CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
05001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.30
05002	Natural – Yellow/orange mottled sandy clay with some stones and cobbles	–	>50	>2.10	–

05003	Very heavily truncated possible linear orientated NNE-SSW very shallow cut remains on E – side of North end; None on West side. Flat base with occasional stones (<0.02m). Fill = Mid brownish grey silty clay – No inclusions.	–	>2.10	0.60	<0.03
05004	Modern field boundary – E-W same as TR03. Most Northern of 2.	–	>3.30	1.50	NFE
05005	Modern field boundary – E-W Same as TR03. Most Southern of 2.	–	>3.80	1.30	NFE

TR06

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
40	2.10		0.97

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
06001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.32
06002	Dumping layer from A55 construction – Grey clay mixed with occasional boulders, stones etc. Some 20th century ceramic	–	>50	>2.10	0.48
06003	Natural – Yellow/grey mottled sandy clay	–	>0.50	>2.10	–

TR07

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	–	0.90

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
07001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.34
07002	Dumping from A55 construction – See TR06	–	>50	>2.10	0.44
07003	Natural – Yellow/orange sandy clay with frequent stones and cobbles	–	>50	>2.10	–

TR08

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.29

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
08001	Topsoil – Dark brown silty clay with infrequent stones, root inclusions	–	>50	>2.10	0.29
08002	Natural - Yellow sandy clay with moderate stone inclusions	–	>50	>2.10	–
08003	Cut of ditch	–	>2.10	1.20	0.35
08004	Fill of ditch [08003] – Primary	–	>1.00	0.40	0.15
08005	Fill of ditch [08003] - Secondary	–	>2.10	1.20	0.30
08006	Cut of burnt feature	–	>1.30	1.10	0.28
08007	Fill of [08006]	–	>1.30	1.10	0.28

TR09

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
40	2.10		0.52

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
09001	Topsoil – Mid brown silty clay with infrequent stone inclusions, roots	–	>50	>2.10	0.37
090025	Natural – Yellow/orange mottled sandy clay with moderate stones, some cobbles	–	>50	>2.10	–
09003	Tree bowl – Approximately 1m in diameter, continues off the edge of excavation to the NE. A sub-circular irregular cut filled by a mottled pale grey – dark grey brown clay deposit with poorly sorted stones and iron panning	1.00	–	–	–

TR10

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
20	2.10		0.38

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
10001	Topsoil – Mid brown silty clay with some stones and root inclusions	–	>50	>2.10	0.29
10002	Natural – Yellow/orange mottled sandy clay with frequent stones	–	>50	>2.10	–
10003	Cut of possible pit	–	0.77	0.46	0.23
10004	Fill of [10003]	–	0.74	0.46	0.05
10005	Secondary fill of [10003]	–	0.59	0.46	0.17

TR11

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
40	2.10		0.50

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
11001	Topsoil – Dark brown silty clay with some stones and roots	–	>50	>2.10	0.33
11002	Natural – Yellow/grey mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–

TR12

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
20	2.10		0.50

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (M)	L (M)	W (M)	D (M)
12001	Topsoil – Dark brown silty clay with some stones and root inclusions	–	>50	>2.10	0.34
12002	Natural – Yellow/orange mottled sandy clay with frequent stones	–	>50	>2.10	–
12003	Tree throw – Approx. 0.5m x 1m, 0.35m deep. Steep, irregular sides – undercut in places. Filled by a fairly mixed, loose deposit. Located in the approximate centre of the trench surrounded by similar but shallower bioturbation. Half sectioned and photographed but not fully recorded.	–	~1.00	~0.50	~0.35

TR13

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.48

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
13001	Topsoil – Light brown silty clay with some stones and roots	–	>50	>2.10	0.36
13002	Natural – Orange/yellow/grey mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–
13003	Cut of ditch	–	>2.10	0.90	0.44
13004	Fill of [13003]	–	>2.10	0.90	0.44

TR14

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.42

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
14001	Topsoil – Mid brown silty clay with some stones and cobbles	–	>50	>2.10	0.32
14002	Natural – yellow/orange mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–
14003	Cut of ditch – same ditch as [13003] – not excavated	–	>2.10	0.83	NFE
14004	Fill of [14003]	–	>2.10	0.83	NFE

TR15

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.50

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
15001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.35
15002	Natural – Orange/yellow mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–
15003	Cut of ditch	–	>2.10	0.48	0.16
15004	Fill of [15003]	–	>2.10	0.48	0.16

TR16

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.49

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
16001	Topsoil – Mid greyish brown silty clay with occasional/rare small sub rounded and sub angular stones. Soft.	–	>50	>2.10	0.27
16002	Subsoil – Mid greyish brown slightly silty clay with occasional/common small/medium sub angular stones	–	>50	>2.10	0.13
16003	Natural – Light yellowish orange slightly sandy clay with occasional/common sub rounded stones	–	>50	>2.10	–
16004	Cut of ditch	–	>2.10	0.73	0.15
16005	Fill of [16004]	–	>2.10	0.73	0.15

TR17

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.58

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
17001	Topsoil – Mid greyish brown silty clay with occasional small sub rounded and sub angular stones	–	>50	>2.10	0.30
17002	Subsoil – Mid reddish brown slightly silty clay with rare/occasional sub rounded stones	–	>50	>2.10	0.19
17003	Natural – Light orangey yellow sandy clay with common small and medium sub rounded stones and rare large sub rounded stones. Varies between patches of sand/gravel and more clayey areas. Clayeyer to the West, gravellier to the East.	–	>50	>2.10	–
17004	Cut of ditch	–	>2.20	0.85	0.43
17005	Primary fill of [17004]	–	>1.00	0.45	0.20

17006	Secondary fill of [17004]	–	>2.20	0.85	0.23
17007	Cut of North/South gulley	–	>2.10	0.55	0.12
17008	Fill of [17007]	–	>2.10	0.55	0.12

TR18

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.57

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
18001	Topsoil – Mid greyish brown silty clay with occasional small sub rounded and sub angular stones	–	>50	>2.10	0.18
18002	Subsoil – Mid orangey brown sandy silt with occasional small sub rounded stones – some mixing with natural (18003) present	–	>50	>2.10	0.20
18003	Natural – Light yellowish orange sandy clay with common small sub rounded stones – more clayey/ less sandy at the West end. Patches/ areas if mid brownish orange gravels towards the East end.	–	>50	>2.10	–

TR19

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.66

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
19001	Topsoil – Mid brownish grey slightly silty clay with occasional small sub rounded/sub angular stones	–	>50	>2.10	0.23
19002	Subsoil – Mid greyish brown silty clay with occasional small sub rounded/sub angular stones	–	>50	>2.10	0.15
19003	Natural – Light yellowish grey slightly sandy clay with rare small stones. Changes to more gravelly clay to the North-West.	–	>50	>2.10	–
19004	Cut of ditch	–	>2.35	0.55	0.32
19005	Fill of [19004]	–	>2.35	0.55	0.32
19006	Cut of small pit	–	0.50	0.37	0.06
19007	Fill of [19006]	–	0.50	0.37	0.06
19008	Cut of ditch	–	>2.15	0.90	0.23
19009	Fill of ditch [19008]	–	>2.15	0.90	0.23
19010	Cut of pit	–	2.30	0.50	0.14
19011	First fill of pit[19010]	–	2.30	0.90	0.14
19012	Upper fill of pit [19010]	–	2.30	0.90	0.10
19013	Cut of linear/pit	–	>1.80	1.00	0.20
19014	Fill of [19013]	–	>1.80	1.00	0.20
19015	Burnt mound material	–	–	2.65	0.40
19016	Grey clay overlying (19014)	–	0.80	–	0.09
19017	Cut of pit	–	1.90	0.80	0.90
19018	First grey fill of pit [19017]	–	1.75	0.80	0.60
19019	Charcoal fill of pit [19017]	–	1.20	0.80	0.05
19020	Upper fill, burnt mound material of [19017]	–	1.90	0.80	0.90
19021	Area of bioturbation – probable animal burrow filled with some burnt mound material located 0.20m East of [19013]. 1.50m x 0.50m, max depth 0.10m. See photo 94	–	~1.50	~0.50	~0.10
19022	Stoney deposit – burnt mound	–	–	5.80	0.35
19023	Charcoal rich deposit	–	–	1.60	0.10
19024	Burnt mound material	–	–	4.00	0.25
19025	Burnt mound material	–	–	5.85	0.10
19026	Cut of burnt mound		11.63	2.10+	0.51

TR20

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.43

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
20001	Topsoil – Mid brownish grey slightly silty clay with occasional small sub rounded stones. Becomes more brown in colour towards the West end	–	>50	>2.10	0.28
20002	Subsoil – Mid/dark greyish brown silty clay with occasional/common small/medium sub rounded stones. Not present in Eastern end of trench	–	>50	>2.10	0.08
20003	Natural – Light whitish yellow slightly silty clay with occasional medium and small sub rounded stones and rare large sub rounded stones. Becomes sandier/gravellier towards the West of the trench	–	>50	>2.10	–
20004	Cut of ditch	–	>2.10	0.93	0.25
20005	Lower fill of [20004]	–	>2.10	0.44	0.10
20006	Upper fill of [20004]	–	>2.10	0.93	0.15
20007	Cut of possible posthole	–	0.32	0.23	0.07

20008	Fill of [20007]	–	0.32	0.23	0.07
20009	Cut of possible posthole	–	0.30	0.25	0.09
20010	Fill of [20009]	–	0.30	0.25	0.09

TR21

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.56

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
21001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.28
21002	Natural – Yellow/grey mottled sandy clay with some stones, patches of cobbles	–	>50	>2.10	–

TR22

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.53

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
22001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.40
22002	Natural – Yellow/grey sandy clay with moderate stones	–	>50	>2.10	–

TR23

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.41

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
23001	Topsoil – Mid brown silty clay with some stones	–	>50	>2.10	0.30
23002	Natural – Yellow/grey mottled sandy clay with some stones	–	>50	>2.10	–

TR24

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.45

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
24001	Topsoil – Mid brown silty clay with moderate stones and roots	–	>50	>2.10	0.31
24002	Natural – Yellow/orange mottled sandy clay with some stones	–	>50	>2.10	–
24003	Cut of ditch	–	>6	1.14	0.09
24004	Fill of [24003]	–	>6	1.14	0.09

TR25

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.42

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
25001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.31
25002	Natural – Orange/yellow mottled sandy clay with frequent stones and cobbles and some boulders	–	>50	>2.10	–
25003	Cut of ditch	–	>2.10	0.70	0.36
25004	Fill of [25003]	–	>2.10	0.70	0.36

TR26

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.45

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
26001	Topsoil – Mid brown silty clay with frequent stones and roots	–	>50	>2.10	0.32
26002	Natural – Yellow/orange mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–

TR27

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.45

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
27001	Topsoil – Light brown silty clay with moderate stones and roots	–	>50	>2.10	0.33
27002	Natural – Yellow/orange mottled sandy clay with frequent stones	–	>50	>2.10	–

TR28

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.42

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
28001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.26
28002	Natural – Yellow/grey sandy clay with some stones	–	>50	>2.10	–

28003	Cut of pit	–	1.40	1.20	0.18
28004	Fill of [28003]	–	1.40	1.20	0.18

TR29

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.36

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
29001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.26
29002	Natural – Orange/grey mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–
29003	Cut of small pit	–	0.55	0.46	0.12
29004	Fill of [29003]	–	0.55	0.46	0.12

TR30

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.26

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
30001	Topsoil – Mid brown silty clay with some inclusions – stone and roots	–	>50	>2.10	0.21
30002	Natural – Orange/yellow mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–

TR31

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
30	2.10		0.37

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
31001	Topsoil – Mid brown silty clay with some stones and roots	–	>50	>2.10	0.27
31002	Natural – Orange/grey mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–

TR32

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
40	2.10		0.35

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
32001	Topsoil – Mid brown silty clay with some stones and root inclusions	–	>50	>2.10	0.18
32002	Natural – Yellow sandy clay with frequent stones and cobble	–	>50	>2.10	–
32003	Cut of ditch	–	>2.10	1.30	0.30
32004	First fill of ditch [32003]	–	>2.10	1.30	0.18
32005	Second fill of ditch [32003]	–	>2.10	1.30	0.09
32006	Upper fill of ditch [32003]	–	>2.10	1.30	0.21
32007	Cut of small pit	–	0.65	0.45	0.16
32008	Fill of pit [32007]	–	0.65	0.45	0.16

TR33

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
30	2.10		0.35

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
33001	Topsoil – Mid brown silty clay with some stones and root inclusions	–	>50	>2.10	0.29
33002	Natural – Yellow sandy clay with frequent stones and cobbles	–	>50	>2.10	–
33003	Tree bowl, 1.10m x 2.10m, 0.18m deep, filled by a dark brown/grey, rather organic silty clay with charcoal in the top. The surrounding natural is pale and marbled. The cut is irregular	–	2.10	1.10	0.18

TR34

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.35

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
34001	Topsoil – Light brown silty clay stones and roots	–	>50	>2.10	0.28
34002	Natural – Orange/yellow mottled clay with frequent stones	–	>50	>2.10	–

TR35

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.30

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
35001	Topsoil – Dark brown silty clay with some stones	–	>50	>2.10	0.18
35002	Natural – Yellow/orange mottled sandy clay with frequent stones	–	>50	>2.10	–

TR36

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.40

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
36001	Topsoil – Dark brown silty clay with some stones and roots	–	>50	>2.10	0.28
36002	Natural – Orange/yellow mottled sandy clay with frequent stones and cobles	–	>50	>2.10	–
36003	Cut of ditch	–	>2.10	0.82	0.27
36004	Fill of [36003]	–	>2.10	0.82	0.27

TR37

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.39

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
37001	Topsoil – Mid brown silty clay with stone and roots	–	>50	>2.10	0.28
37002	Natural – yellow/grey sandy clay with frequent stones and cobbles, patches of gravel	–	>50	>2.10	–

TR38

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.38

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
38001	Topsoil – Mid/dark brown silty clay with some stones and roots	–	>50	>2.10	0.26
38002	Natural – Orange/yellow mottled sandy clay with frequent stones and cobbles	–	>50	>2.10	–
38003	Cut of ditch	–	>2.10	1.24	0.28
38004	Fill of [38003]	–	>2.10	1.24	0.28

TR39

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.35

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
39001	Topsoil – Mid greyish brown silty clay with rare small sub rounded stones	–	>50	>2.10	0.18
39002	Subsoil – Mid brownish grey slightly silty clay with very rare small stones	–	>50	>2.10	0.10
39003	Natural – Light greyish yellow slightly silty clay. Very plastic. Occasional small and medium sub rounded and sub angular stones	–	>50	>2.10	–

TR40

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.36

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
40001	Topsoil – Mid greyish brown silty clay with occasional small sub rounded stones	–	>50	>2.10	0.14
40002	Subsoil – Mid brownish grey slightly silty clay with rare to occasional sub rounded stones	–	>50	>2.10	0.27
40003	Natural – Light greyish yellow slightly silty clay with occasional/ common small sub rounded stones	–	>50	>2.10	–

TR41

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.50

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
41001	Topsoil – Mid greyish brown silty clay with occasional small sub rounded stones	–	>50	>2.10	0.27
41002	Subsoil – Mid yellowish/greyish brown silty clay with common/ frequent sub rounded small/medium stones. Not present near centre of trench	–	>50	>2.10	0.09
41003	Natural – Mid brownish orange clayey sand and course sub angular gravel. More gravelly in the centre of the trench	–	>50	>2.10	–
41004	Area of bioturbation located C. 4m from the West end of the trench – presumed tree roots. The irregular cut spans the width of the trench, is 1.00m wide and 0.20m deep. The fill contains a band of white silt with a shallow spread of charcoal above and clusters of stones. The charcoal indicated deliberate clearance of stumps. See photo 194.	–	>2.10	1.00	0.20
41005	Cut of ditch	–	>2.80	1.30	0.26

41006	Fill of ditch [41005]	–	>2.80	1.30	0.26

TR42

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.50

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)T			
		Ø (m)	L (m)	W (m)	D (m)
42001	Topsoil – Mid greyish brown silty clay with occasional small sub rounded stones	–	>50	>2.10	0.29
42002	Subsoil – Mid/light greyish brown silty clay with some sandy orange mottling	–	>50	>2.10	0.13
42003	Natural – Light yellowish orange slightly silty clay with occasional/ common small sub rounded stones.	–	>50	>2.10	–
42004	Cut of sub-circular small feature	–	0.38	0.30	0.11
42005	Fill of [42004]	–	0.38	0.30	0.11
42006	Cut of possible elliptical ditch	–	1.90	1.80	0.32
42007	Fill of [42006]	–	1.90	1.80	0.32
42008	Cut of linear feature	–	2.20	1.05	0.30
42009	Upper fill of [42008]	–	2.20	1.05	0.30
42010	Lower fill of [42008]	–	2.20	1.05	0.30
42011	Cut of pos. burnt mound, North-East end of trench	–	4.00	>1.43	0.33
42012	Fill of [42011]	–	4.00	>1.43	0.33

TR43

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.51

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
43001	Topsoil – Mid greyish brown silty clay with rare/occasional small sub rounded stones	–	>50	>2.10	0.25
43002	Subsoil – Mid greyish brown silty clay with orange sandy mottling. Occasional small sub rounded stones	–	>50	>2.10	0.10
43003	Natural – Mid/light orangey brown sandy clay with rare/occasional small sub rounded and sub angular stones. Turns lighter and more clayey to the North-East end of the trench.	–	>50	>2.10	–

TR44

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
25	2.10		0.43

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
44001	Topsoil – Mid greyish brown silty clay with occasional small and medium sub rounded and sub angular stones	–	>50	>2.10	0.26
44002	Subsoil – Mid greyish brown silty clay with common small sub rounded stones. Not present across all of trench.	–	>50	>2.10	0.13
44003	Natural – Light greyish yellow slightly silty Clay with occasional small/medium sub rounded stones	–	>50	>2.10	–

TR45

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
25	2.10	0.33	0.38

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
45001	Topsoil – Mid greyish brown silty clay with occasional/rare small sub rounded stones	–	>50	>2.10	0.21
45002	Subsoil – Mid greyish brown silty clay with brown/orange mottling. Occasional small sub rounded stones. Not present in all areas of trench.	–	>50	>2.10	0.10
45003	Natural – Light greyish yellow slightly silty clay with rare small sub rounded/rounded stones	–	>50	>2.10	–

TR46

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10		0.39

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
46001	Topsoil – Mid grey brown clay silt, with occasional "rusty" red mottling. Frequent rooting (grass). Friable/soft. Occasional small/medium rounded and angular stone inclusions	–	>50	>2.10	0.27
46002	Natural – Very mixed "Burnt" mid orange – pale greyish yellow sandy clay. Compact and friable. Rare very fine rooting. Frequent small/medium rounded and sub angular stone inclusions. Features more rooting (and larger roots) and gets sandier towards the North-East	–	>50	>2.10	–
46003	Cut of ditch	–	>4.00	0.95	0.36
46004	First fill of ditch	–	>4.00	0.95	0.14
46005	Upper fill of ditch	–	>4.00	0.95	0.22

TR47

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.33	0.39

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
47001	Topsoil – Mid grey clay silt with reddish mottling. Friable. More rooting (grass). Rare small rounded stones	–	>50	>2.10	0.14
47002	Subsoil – Mid reddish grey clay silt. Very similar to (47001) – possibly a ploughed topsoil. Occasional very fine rooting. Occasional small/ medium rounded stones. Compact and friable	–	>50	>2.10	0.12
47003	Natural – Light pale yellow to mid "burnt" orange sandy clay (low sand content). Firm and compact. Friable. Frequent medium/large rounded and sub angular stones	–	>50	>2.10	–
47004	Cut of North/South orientated ditch	–	>4.50	0.90	0.18
47005	Fill of ditch [47004]	–	>4.50	0.90	0.18
47006	Re-cut of ditch [47004]	–	>2.00	0.50	0.19
47007	Fill of [47006]	–	>2.00	0.50	0.19
47008	Cut of irregular linear	–	>2.10	1.30	0.45
47009	Fill of [47009]	–	>2.10	1.30	0.45

TR48

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.31	0.43

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
48001	Topsoil – Mid grey brown clay silt. Loose and friable. Frequent rooting (grass and nettles). Frequent bioturbation (worms). Occasional small sub angular stone inclusions	–	>50	>2.10	0.14
48002	Subsoil – Mid reddish brown clay silt. Frequent small angular stone inclusions – Very gravel like. Occasional medium rounded stones. Occasional very fine rooting. Firm and friable	–	>50	>2.10	0.22
48003	Natural – Light/mid orange yellow sandy clay. West end of trench (approximately 0-10m) common bedrock fragments and rooting. Firm and compact. Friable. Frequent small/large rounded and angular stone inclusions	–	>50	>2.10	–

TR49

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.34	0.40

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
49001	Topsoil – Mid reddish brown silty clay. Frequent rooting (grass). Soft and friable. Occasional small/ medium rounded stone inclusions	–	>50	>2.10	0.24
49001	Natural – Mid orange yellow sand clay with gravel patched. Occasional very fine rooting. Frequent small/ large rounded and sub angular stone inclusions	–	>50	>2.10	–

TR50

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.35	0.40

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
50001	Topsoil – Mid yellowish brown clay silt. Frequent rooting (grass). Firm and friable. Occasional medium rounded stone inclusions	–	>50	>2.10	0.21
50002	Subsoil – Mid grey brown clay silt. Very similar to (50001) and may be a buried/ploughed topsoil. Occasional fine rooting. Firm and friable. Occasional small/medium rounded and sub angular stone inclusions	–	>50	>2.10	0.17
50003	Natural – Light/mid orange yellow sandy clay with frequent gravel deposits throughout. Firm and compact. Friable. Rare very fine rooting. Middle or trench (approximately) features bedrock at a depth of 0.19m	–	>50	>2.10	–

TR51

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
25	2.10	0.39	0.45

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)

51001	Topsoil – Mid grey brown clay silt. Loose and friable. Frequent rooting (grass). Occasional very small angular stones	–	>50	>2.10	0.13
51002	Subsoil – Mid/dark grey brown sandy clay. Firm and friable. Occasional very fine rooting. Occasional very fine rooting. Occasional Small/medium rounded and angular stone inclusions	–	>50	>2.10	0.20
51003	Natural – Very mixed blueish grey mid yellow sandy clay (low sand content). Firm and compact. Friable. Occasional medium/large sub rounded stone inclusions. Natural turns to a purple grey clay approximately 14m from the North-West end of the trench and runs for approximately 11m. After this natural is more gravel like.	–	>50	>2.10	–
51004	Cut of North/South orientated linear	–	>2.45	1.05	0.36
51005	Primary fill of [51004]	–	>1.00	1.05	0.36
51006	Secondary fill of [51004]	–	>1.00	0.67	0.02
51007	Third (uppermost) fill of [51004]	–	>1.00	0.54	0.15
51008	Cut of shallow ditch	–	>2.24	0.73	0.10
51009	Fill of [51004]	–	>2.24	0.73	0.10

TR52

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
25	2.10	0.44	0.50

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
52001	Topsoil – Mid grey brown clay silt with orange mottling. Soft and friable. Frequent rooting (grass). Occasional small rounded stones	–	>50	>2.10	0.19
52002	Subsoil – Mid grey silty clay. Compact and malleable. Occasional very fine rooting. Occasional small/medium angular and rounded stones	–	>50	>2.10	0.13
52003	Natural – Mid orange yellow sandy clay. More sand content towards the South-West of trench. Firm and compact. Patches or iron stone and evidence of iron panning. Frequent small/large sub angular stone inclusions	–	>50	>2.10	–
52004	Cut of possible post hole	–	0.39	0.48	0.09
52005	Fill of [52004]	–	0.39	0.48	0.09

TR53

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.20	0.33

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
53000	Topsoil - Mid/dark reddish brown silty clay with rare stones – very shallow	–	>50	>2.10	0.24
53001	Natural – Orange clay with grey mottling, occasional cobbles/pebbles immediately below topsoil. Patches of pale gravel with large spreads of manganese in places over outcropping stone	–	>50	>2.10	–
53002	Linear deposit located in the South-West of the trench. Mid greyish brown silty clay with occasional/common small sub rounded stones. Possible base of post medieval or modern ditch. Lies on top of a stone filled land drain.	–	>2.10	–	–
53003	Deposit of dark brownish black soft/spongey silty clay with abundant small/medium sub angular stones. Similar to burnt mound material. Above/cuts (53002). Possible redeposited burnt mound material	–	–	–	–

TR54

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.30	0.41

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
54000	Topsoil – Shallow Mid/dark reddish brown clay silt with sand	–	>50	>2.10	0.12
54001	Subsoil – Mottled reddish/orange clay with patches of sand gravel. Manganese increasing to the South-East – Very diffuse plough zone	–	>50	>2.10	0.15
54002	Natural – Clay and sandy gravel with diffuse interface with "subsoil". Becomes more gravelly to southern end – Yellow/whitish grey throughout with manganese and patches of cobbles/pebbles	–	>50	>2.10	–

TR55

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.34	0.36

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
55000	Topsoil – Thin reddish brown band of clay silt. Soft and sticky. Frequent rooting (grass).	–	>50	>2.10	0.06
55001	Subsoil – Mid grey silty clay with reddish orange mottling. Soft and compact. Friable. Occasional rooting. Occasional small/medium rounded stone inclusions	–	>50	>2.10	0.24
55002	Natural - Mid greyish yellow clay. Firm and compact. Malleable. Occasional very fine rooting. Frequent small/large sub angular and rounded stones. Occasional patches of greyish orange gravel towards the South-West end of the trench.	–	>50	>2.10	–

TR56

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
25	2.10	0.32	0.36

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
56000	Topsoil – Quite shallow dark reddish brown clay silt with sand	–	>50	>2.10	0.10
56001	Subsoil – Orange and grey mottled clay with manganese flecks. Plough zone/interface very diffuse with large patches of roots and other bioturbation.	–	>50	>2.10	0.14
56002	Natural – Light/mid pinkish yellow clay. Firm and compact. Malleable. Occasional very fine rooting. Occasional small/medium well rounded stone inclusions	–	>50	>2.10	–

TR57

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
25	2.10	0.33	0.35

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
57000	Topsoil – Thin band of reddish brown clay silt. Soft and sticky. Frequent rooting (grass).	–	>50	>2.10	0.10
57001	Subsoil – Mid grey silty clay with orange mottling. Firm and compact. Sticky. Slightly malleable. Occasional rooting. Occasional small/medium rounded stone inclusions	–	>50	>2.10	0.20
57002	Natural – Mid yellow clay. Firm and compact. Malleable. Rare very fine rooting. Frequent small/large sub angular and rounded stone inclusions	–	>50	>2.10	–
57003	Fill of [57004]	–	0.86	0.75	0.08
57004	Cut of sub-circular feature	–	0.86	0.75	0.08

TR58

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
40	2.10	0.24	0.38

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
58000	Topsoil – Thin band of reddish brown clay silt. Loose and friable. Frequent rooting (grass)	–	>50	>2.10	0.07
58001	Subsoil – Mid grey silty clay with orange mottling. Soft and compact. Malleable. Occasional rooting. Rare small/medium sub rounded stone inclusions	–	>50	>2.10	0.18
58002	Natural – Mid blueish/grey yellow clay. Firm and compact. Malleable. Occasional very fine rooting. Occasional medium/large sub rounded and sub angular stone inclusions.	–	>50	>2.10	–
58003	Fill of [58004]	–	>2.40	1.20	0.28
58004	Cut of possible North-West/South-East ditch	–	>2.40	1.20	0.28
58005	Fill of [58006]	–	>0.75	0.55	0.17
58006	Cut of possible North-West/South-East ditch terminus or elongated pit	–	>0.75	0.55	0.17

TR59

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.29	0.48

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
59001	Topsoil – Mid/dark brown clay silt	–	>50	>2.10	0.15
59002	Subsoil – Mid grey brown silty clay with occasional reddish orange mottling. Firm and compact. Friable. Rare very fine rooting. Rare small sub rounded stones	–	>50	>2.10	0.14

59003	Natural – Mid orange yellow clay with occasional patched of blueish grey sandy gravel. Firm and compact. Malleable. Very rare very fine rooting. Frequent small/large rounded stone inclusions. More orange mottling in the East end.	–	>50	>2.10	–

TR60

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.32	0.36

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
60000	Topsoil – Mid grey clay silt with reddish orange mottling. Compact and friable. Frequent rooting (reeds at South-West end, grass elsewhere). Occasional small rounded stone inclusions	–	>50	>2.10	0.20
60001	Natural – Light/mid orange yellow clay. Firm and compact. Malleable. Occasional patches of iron stone. Frequent small/large rounded and angular stone inclusions	–	>50	>2.10	–
60002	Cut of ditch near North-East end of trench	–	>2.76	0.94	0.14
60003	Fill of [60002]	–	>2.76	0.94	0.14
60004	Cut of South-West/North-East linear	–	>4.05	0.70	0.18
60005	Fill of [60004]	–	>4.05	0.70	0.18
60006	Cut of South-West/North-East linear	–	>2.60	1.34	0.26
60007	Fill of [60006]	–	>2.60	1.34	0.26

TR61

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.38	0.39

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
61000	Topsoil – Mid/dark black grey clay silt. Soft and sticky. Somewhat malleable but friable if"overworked". Frequent rooting (reeds at West end, grass elsewhere). Occasional small rounded stones.	–	>50	>2.10	0.19
61002	Subsoil – Thin blue/grey band of clay. Possible subsoil or plough soil (?). Soft and sticky. Stains fingers. No visible inclusions. Appears only in the West end of the trench.	–	>50	>2.10	0.04
61003	Subsoil – Mid brown clay silt. Firm and compact. Friable. Occasional small sub angular stones. Occasional fine rooting. Located towards the East end of the trench after (61002)	–	>50	>2.10	0.20
61004	Natural – Mid yellow sandy clay. Frequent sand towards the East. Firm and compact. Friable, more so in the sandier East. Frequent small/large stone inclusions	–	>50	>2.10	–
61005	Cut of South-West/North-East linear	–	>2.18	0.91	0.28
61006	Fill of [61005]	–	>2.18	0.91	0.28
61007	Burnt mound	–	>7.54	>2.10	0.30
61008	Fill of [61007]	–	>7.54	>2.10	0.30
61009	Cut of South-West/North-East linear. Unexcavated. In trench 60 [60004]	–	>2.10	–	–
61010	Fill of [61009]. Unexcavated	–	>2.10	–	–

TR62

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.34	0.97

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
62000	Topsoil – Mid greyish brown clayey silt. Compact and friable. Frequent rooting (grass). Occasional small/ medium sub angular stones.	–	>50	>2.10	0.24
62001	Natural – Mid orange yellow clayey sand gravel. Loose and friable. Frequent small/large stone inclusions. More clay at North-West end but gravel towards South-East	–	>50	>2.10	–
62002	Subsoil (?) – Reddish brown silty clay with reddish orange"rusty" mottling. Located approximately 14m from the North-West end of the trench. Firm and compact. Friable. Occasional very fine rooting. Occasional small/medium sub angular stones. Modern bin liner and electrical wiring visible in section.	–	>50	>2.10	0.55

TR63

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.35	0.42

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)

63001	Topsoil – Mid reddish brown silty clay. Firm and Compact. Friable. Frequent rooting (grass). Very rare rounded small stones but otherwise very "clean"	–	>50	>2.10	0.29
63002	Natural – Mid orange yellow sandy clay with occasional blue/grey gravel patches. Firm and compact. Friable.	–	>50	>2.10	–
63003	Cut of North-East/South-West orientated ditch	–	>4.10	0.90	0.10
63004	Fill of [63003]	–	>4.10	0.90	0.10
63005	Cut of small pit	–	0.60	0.40	0.20
63006	Fill of [63005]	–	0.60	0.40	0.20
63007	Cut of North-North-East/South-South-West gulley	–	>2.20	0.30	0.05
63008	Fill of [63007]	–	>2.20	0.30	0.05
63009	Cut of North-North-East/South-South-West gulley	–	>2.10	0.36	0.05
63010	Fill of [63009]	–	>2.10	0.36	0.05
63011	Cut of ditch	–	>3.00	1.10	0.34
63012	Fill of ditch [63011]	–	>3.00	1.10	0.34
63013	Upper fill of ditch [63011]	–	>3.00	0.60	0.20

TR64

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.39	0.44

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
64000	Topsoil – Mid brown silty clay. Firm and compact. Friable. Frequent rooting (grass). Occasional small rounded stones	–	>50	>2.10	0.33
64001	Natural – Mid yellow clay. Firm and compact. Malleable. Occasional medium rounded and angular stone inclusions.	–	>50	>2.10	–
64002	North-West/South-East orientated ditch.	–	>2.40	1.40	0.28
64003	Fill of [64002]	–	>2.40	1.40	0.28

TR65

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
25	2.10	0.36	0.56

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
65000	Topsoil – Mid/dark black brown clay silt. Compact and friable. Frequent rooting (grass). Occasional small rounded stones.	–	>50	>2.10	0.33
65001	Natural – Mid grey yellow sandy clay (<15%/>85%). Firm and compact. Friable. Frequent small/large rounded stone inclusions.	–	>50	>2.10	–

TR66

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
25	2.10	0.34	0.40

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
66000	Topsoil – Mid brown clay silt. Compact and friable. Frequent rooting (grass). Occasional small rounded stone inclusions.	–	>50	>2.10	0.12
66001	Subsoil – Mid grey brown silty clay. Firm and compact. Friable. Very granular. Occasional very fine rooting. Occasional small rounded stone inclusions	–	>50	>2.10	0.23
66002	Natural – Mid blueish yellow with orange mottling sandy clay. Very firm and compact. Friable. Occasional very fine rooting. Occasional medium/large rounded stones. Occasional patches of gravel to South-East	–	>50	>2.10	–

TR67

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.33	0.48

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
67001	Topsoil – Mid/dark grey brown clay silt. Compact and friable. Frequent rooting (grass). Occasional small rounded stones. Rare charcoal flecks	–	>50	>2.10	0.19

67002	Subsoil – Mid grey brown clay silt. Very similar to (67000). Possibly a ploughed topsoil – very diffuse horizon. Occasional rooting (very fine). Occasional small rounded and angular stones	–	>50	>2.10	0.21
67003	Natural – Mid yellow sandy clay. Firm and compact. Malleable. Frequent small/large stone inclusions (rounded). Patches of greyish gravel towards North-East, also becomes a reddish orange here.	–	>50	>2.10	–
67004	Cut of East/West orientated ditch	–	>2.40	1.15	0.28
67005	Fill of [67004]	–	>2.40	1.15	0.28
67006	Area of bioturbation – see photo 1019	–	–	–	–
67007	Cut of North-West/South-East orientated ditch. Not excavated in this trench, see [64002]. Also photo 1029	–	3.09	1.24	–

TR68

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
20	2.10	0.33	0.49

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
68000	Topsoil – Mid brown silty clay. Firm and compact. Friable. Frequent rooting (grass). Occasional small/ medium sub angular stones.	–	>50	>2.10	0.16
68001	Subsoil – Mid grey brown silty clay. Very similar to (68000). Occasional fine rooting. Occasional small/ medium sub rounded and angular stones.	–	>50	>2.10	0.19
68002	Natural – Mid yellow sandy clay. Firm and compact. Occasional very fine rooting. Frequent small/medium sub rounded stone inclusions. Occasional patches of gravel.	–	>50	>2.10	–
68003	Cut of ditch	–	>2.10	0.69	0.32
68004	Fill of [68003]	–	>2.10	0.69	0.32

TR69

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
50	2.10	0.28	0.34

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
69000	Topsoil – Mid grey brown clay silt with reddish orange mottling. Frequent rooting (grass). Compact and friable. Rare small sub angular and rounded stone inclusions	–	>50	>2.10	0.11
69001	Subsoil – Light to mid reddish grey silty clay with orange mottling. Very similar to (69000). Occasional fine rooting. Occasional small sub angular and rounded stones.	–	>50	>2.10	0.14
69002	Natural – Light/mid orange yellow sandy clay with occasional patches of iron stone. Firm and compact. Malleable. Frequent small/ large rounded and angular stone inclusions.	–	>50	>2.10	–
69003	Cut of ditch	–	>2.10	1.08	0.29
69004	Fill of [69003]	–	>2.10	1.08	0.29

TR70

L (M)	W (M)	MIN. D GD/L (M)	MAX. D GD/L (M)
25	2.10	0.46	0.73

CONTEXT	DESCRIPTION (Layer, Cut, Fill)	DIMENSIONS (AS APPROPRIATE)			
		Ø (m)	L (m)	W (m)	D (m)
70001	Topsoil – Mid brown sandy silt loam with some stone inclusions	–	>50	>2.10	0.20
70002	Subsoil – Light brown sandy silt loam with farm waste (metal, bricks etc.)	–	>50	>2.10	0.28
70003	Natural – Yellow/orange mottled sandy clay with moderate stones.	–	>50	>2.10	–

APPENDIX 2 FINDS ASSESSMENT

The finds assemblage numbered two lithics, a fragment of burnt clay and 86g of industrial waste. All finds were retrieved from soil sample processing, a complete catalogue is provided at the end.

The lithics comprised a flint scraper from pit [19006] (19007) and a flint flake from linear [51004] (51005). The scraper is likely to date to the later Neolithic/early Bronze Age. Magnetic residues were retrieved from many samples. All appear to be magnetised gravel which is a common result of burning. A small fragment of burnt clay from (41006) also indicates burning of some kind. Its original shape or purpose is now unknown.

The two lithics may indicate the presence of prehistoric activity in the vicinity but in such small quantities they could also be residual. The other finds may help identify areas of potential burning.

Appendix 2.1 Finds catalogue

TR	FEATURE	CONTEXT	SAMPLE	QTY	WGT (G)	MATERIAL	OBJECT	DESCRIPTION	PERIOD
02	pit 02003	02004	29	–	31	Industrial Waste	Mag Res	magnetised gravel	–
02	pit 02003	02004	29	3	2	Industrial Waste	Slag	Vitrified fragments, most likely fuel ash slag. Light and vesicular	–
03	posthole 03003	03004	30	–	0	Industrial Waste	Mag Res	magnetised gravel	–
04	pit 04006	04007	33	–	2	Industrial Waste	Mag Res	magnetised gravel	–
08	burnt feature	08007	1	–	15	Industrial Waste	Mag Res	magnetised gravel	–
13	ditch 13003	13004	15	–	1	Industrial Waste	Mag Res	magnetised gravel	–
15	ditch 15003	15004	16	–	7	Industrial Waste	Mag Res	magnetised gravel	–
15	ditch 15003	15004	16	1	1	Industrial Waste	Slag	vitrified fragment, most likely fuel ash slag. Light and vesicular	–
17	ditch 17004	17006	3	–	1	Industrial Waste	Mag Res	magnetised gravel	–
17	gully 17007	17008	4	–	2	Industrial Waste	Mag Res	magnetised gravel	–
19	burnt mound	19015	10	–	1	Industrial Waste	Mag Res	magnetised gravel with some fragments of iron corrosion	–
19	burnt mound	19024	8	–	0	Industrial Waste	Mag Res	magnetised gravel	–
19	linear/pit 19013	19014	5	–	1	Industrial Waste	Mag Res	magnetised gravel	–
19	pit 19006	19007	2	–	1	Industrial Waste	Mag Res	magnetised gravel	–
19	pit 19006	19007	2	1	2	Lithics	Tool	well made, small sub-oval scraper. Retouch round every edge except platform edge	PH
19	pit 19010	19012	6	–	2	Industrial Waste	Mag Res	magnetised gravel	–
19	pit 19017	19020	7	–	0	Industrial Waste	Mag Res	magnetised gravel	–
20	ditch 20004	20005	17	–	1	Industrial Waste	Mag Res	magnetised gravel	–
20	posthole 20009	20010	18	–	0	Industrial Waste	Mag Res	magnetised gravel	–
25	ditch 25003	25004	26	–	0	Industrial Waste	Mag Res	magnetised gravel	–
32	ditch 32003	32006	9	–	0	Industrial Waste	Mag Res	magnetised gravel	–
36	ditch 36003	36004	11	–	1	Industrial Waste	Mag Res	magnetised gravel	–
41	ditch 41005	41006	21	1	0	CBM	Burnt clay	one very small rounded fragment of burnt clay	–
41	ditch 41005	41006	21	–	0	Industrial Waste	Mag Res	magnetised gravel	–
42	burnt mound 42011	42012	36	–	0	Industrial Waste	Mag Res	magnetised gravel	–
42	ditch 42006	42007	13	–	4	Industrial Waste	Mag Res	magnetised gravel	–
42	linear 42008	42009	14	–	4	Industrial Waste	Mag Res	magnetised gravel	–
46	ditch 46003	46005	25	–	1	Industrial Waste	Mag Res	magnetised gravel	–
47	ditch 47004	47005	22	–	0	Industrial Waste	Mag Res	magnetised gravel	–

TR	FEATURE	CONTEXT	SAMPLE	QTY	WGT (G)	MATERIAL	OBJECT	DESCRIPTION	PERIOD
47	ditch 47004	47007	23	–	0	Industrial Waste	Mag Res	magnetised gravel	–
51	linear 51004	51005	28	1	0	Lithics	Debitage	small inner flake with missing distal	PH
51	linear 51004	51005	28	–	0	Industrial Waste	Mag Res	magnetised gravel	–
51	linear 51004	51007	27	–	0	Industrial Waste	Mag Res	magnetised gravel	–
53	burnt mound	53003	19	–	2	Industrial Waste	Mag Res	magnetised gravel	–
61	burnt mound 61007	61008	35	–	6	Industrial Waste	Mag Res	magnetised gravel	–
61	linear 61005	61006	34	–	0	Industrial Waste	Mag Res	magnetised gravel and possible hammerscale	–

APPENDIX 3 ENVIRONMENTAL ASSESSMENT

Introduction

36 samples, ranging in volume from ten to forty litres, were recovered from 36 separate contexts during archaeological evaluation work on land at Dalar Hir, near junction 4 of the A55 on Anglesey. The aims of the assessment were to assess the presence, preservation and abundance of any environmental remains and to determine the potential of the material in indicating the character and significance of the deposit.

Method

The bulk samples were subjected to flotation and wet sieving in a Siraf-style flotation machine. The floating debris (the flot) was collected in a 250 µm sieve and once dry, scanned using a binocular microscope. Any material remaining in the flotation tank (retent) was wet-sieved through a 1mm mesh and air-dried. The samples were scanned using a stereomicroscope at magnifications of x10 and up to x100. Identifications, where provided, were confirmed using modern reference material and seed atlases including Cappers et al. (2006) and Zohary et al. (2012). After careful consideration of the uncharred seeds present in the samples they were determined to be a modern intrusive component and were therefore not considered further.

Results

Results of the assessment are presented in Tables 1 (Retent samples) and 2 (Flot samples) Material sufficient for AMS (Accelerated Mass Spectrometry) radiocarbon dating is shown in the tables. The samples contained a proportion of modern roots and occasional intrusive uncharred seeds.

Wood charcoal

Wood charcoal was present in varying quantities in 32 samples (Tables 1 and 2). The charcoal assemblage was composed of both abraded and unabraded rectilinear pieces and of varying sizes. The majority of fragments were coated with an orange mineral concretion (probably some sort of replacement by iron salts). The overall assemblage also contained occasional occurrences of fragments of roundwood/twig, heather (Calluna vulgaris) stem and indeterminate rhizomes/tubers.

Cereal grain

A very small number of cereal grains (<10) were recovered from samples from 3 contexts; (02004) the fill of pit [02003], (17008) the fill of gulley [17007] and (61008) the fill of burnt mound [61007]. Species present included; barley (Hordeum sp.) bread/club wheat (Triticum c.f. aestivo-compactum). and cf. oat (Avena sp.). The grains exhibited mixed levels of preservation but were primarily poor with evidence of distortion, fragmentation and missing surfaces.

Cereal chaff

Three individual glume bases were recovered from samples from 3 contexts; (17006) the fill of ditch [17004], (19014) the fill of linear/pit [19013] and (51005) the primary fill of [51004]. The chaff fragments were poorly preserved.

Other charred plant remains

A rare number of charred 'weed seeds', (here used to include seeds, fruits, achene, caryopses etc) were recovered from samples from four contexts; (02004) the fill of pit [02003], (17006) the fill of ditch [17004], (19014) the fill of linear/pit [19013] and (51005) the primary fill of [51004]. Taxa present included; fat hen (Chenopodium album), mixed grasses (Poaceae) and docks (Rumex sp.) The weed taxa are all species common in arable fields and disturbed ground (Stace 1997).

Finds

Finds including lithics, ceramic building material and industrial waste will be discussed as the subject of a separate finds report.

Discussion

The charred cereal remains (grains and chaff) were too few in number to offer any significant information relating to site economy other than possible crop choices. The charcoal assemblage comprised mostly abraded fragments the majority of which were coated with an orange mineral concretion. This possibly indicates periods of wetting and drying. It is unlikely that the charcoal assemblage would offer any information beyond species identification.

Dating potential of the remains.

Material sufficient for AMS dating was present in twelve samples (Tables 1 and 2).

Recommendations

No further work is required.

References

Cappers, RTJ, Bekker, RM & Jans, JEA 2006 ***Digital seed atlas of the Netherlands*** Barkhuis Publishing and Groningen University Library: Groningen

Stace, C 1997 ***New Flora of the British Isles*** (2nd edition) Cambridge University Press: Cambridge

Zohary, D, Hopf, M & Weiss, E 2012 ***Domestication of Plants in the Old World*** Oxford: Oxford University Press

TABLE 1 Retent sample results

CONTEXT	SAMPLE	FEATURE	SAMPLE VOL (L)	OTHER CERAMIC	STONE		INDUSTRIAL WASTE			CINDERS	CHARCOAL		SUITABLE FOR AMS	COMMENTS
					Lithics	Stone	Fe-slag	Mag res	Other		Qty	Max size (mm)		
02004	29	Fill of pit [02003]	20	–	–	–	++++	++++	–	++	–	–	–	–
03004	30	Fill of post-hole [03003]	10	–	–	–	–	+++	–	–	–	–	–	–
04004	32	Fill of ditch [04003]	20	–	+	+++	–	–	–	–	++	10	N	Rectilinear charcoal fragments coated with orange mineral concretion
04007	33	Fill of pit [04006]	20	–	–	–	+	+++	+	–	+	5	N	–
08007	1	Mixed fill of burnt feature [8006]	40	–	–	–	–	++++	–	++++	++++	20	N	Charcoal not sufficient for AMS. Possible contamination of the retent
13004	15	Fill of ditch [13003]	20	–	–	–	+	+	–	++	+++	10	Y	Rectilinear charcoal fragments coated with a mineral concretion, may be sufficient for AMS if non-oak
19007	2	Fill of pit [19006]	10	–	+	–	–	++++	–	–	++++	10	N	Charcoal not sufficient for AMS due. Possible contamination of the retent
15004	16	Fill of ditch [15003]	20	–	–	+	–	+++	–	+	–	–	–	–
17006	3	Secondary fill of ditch [17004]	10	–	–	–	–	++	–	–	+	5	N	–
17008	4	Fill of gulley [17007]	10	–	–	–	–	++++	–	–	+	3	N	Charcoal not sufficient for AMS. Possible contamination of the retent
19012	6	Upper fill of pit [19010]	20	–	–	–	–	+++	–	–	+++	5	N	–
19014	5	Fill of linear/pit [19013]	40	–	–	–	–	++	–	–	++++	20	Y	–
19015	10	Burnt mound material	20	–	–	–	–	+++	–	–	++++	10	Y	Charcoal sufficient for AMS only if non-oak
19020	7	Upper fill, burnt mound material of [19017]	20	–	–	–	–	++	–	–	++	10	N	Charcoal not sufficient for AMS. Possible contamination of the retent
19024	8	Burnt mound material	20	–	–	–	–	+	–	–	+++	10	Y	Charcoal sufficient for AMS only if non-oak
20005	17	Lower fill of ditch [20004]	20	–	–	–	–	++	–	+	++	3	N	–
20010	18	Fill of post-hole [20009]	<10	–	–	–	–	++	–	–	++	9	N	–
25004	26	Fill of ditch [25003]	20	–	–	–	–	+	–	+	+	6	N	–
28004	31	Fill of pit [28003]	10	–	–	–	–	–	–	++	–	–	N	–
32006	9	Upper fill of ditch [32003]	20	–	–	–	–	++	+++	–	+++	15	Y	–
36004	11	Fill of ditch [36003]	30	–	–	–	–	+++	–	++	+	10	N	Charcoal not sufficient for AMS. Possible contamination of the retent
38004	12	Fill of ditch [38003]	40	–	–	–	–	–	–	++	+++	12	Y	Twig fragments

CONTEXT	SAMPLE	FEATURE	SAMPLE VOL (L)	OTHER CERAMIC	STONE		INDUSTRIAL WASTE			CINDERS	CHARCOAL		SUITABLE FOR AMS	COMMENTS
					Lithics	Stone	Fe-slag	Mag res	Other		Qty	Max size (mm)		
41006	21	Fill of ditch [41005]	20	+	–	–	–	+	–	+	+	3	N	Charcoal not sufficient for AMS. Possible contamination of the retent
42007	13	Fill of ditch [42006]	20	–	–	–	–	++++	–	–	++++	15	N	Charcoal not sufficient for AMS. Possible contamination of the retent
42009	14	Upper fill of linear feature [42008]	20	–	–	–	–	+++	–	–	+++	15	Y	–
42012	36	Fill of burnt mound [42011]	40	–	–	–	–	+	–	–	+++	10	Y	Charcoal sufficient for AMS only if non-oak
46005	25	Fill of ditch [46003]	20	–	–	–	–	+++	–	+	–	–	N	–
47005	22	Fill of ditch [47004]	20	–	–	–	–	++	–	++	++	5	N	Charcoal not sufficient for AMS. Possible contamination of the retent
47007	23	Fill of ditch [47006]	20	–	–	+	–	++	–	+	++	8	N	–
51005	28	Primary fill of [51004]	40	–	+	–	–	++	–	–	++	10	N	Charcoal not sufficient for AMS. Possible contamination of the retent
51007	27	Third (uppermost) fill of [51004]	40	–	–	+	–	+	–	–	+++	5	N	–
52005	24	Fill of post-hole [52004]	10	–	–	–	–	–	–	–	+++	20	Y	Only if non-oak
53003	19	Possible remains of burnt mound	10	–	–	–	–	+++	–	–	++	10	N	–
61006	34	Fill of linear [61005]	20	–	–	–	–	++	–	–	++++	10	N	Charcoal not sufficient for AMS. Possible contamination of the retent
61008	35	Fill of burnt mound [61007]	40	–	–	–	–	++++	–	–	++++	20	Y	–
68004	20	Fill of ditch [68003]	–	–	–	–	–	–	–	–	–	–	–	No retent available

Key: + = rare (0-5), ++ = occasional (6-15), +++ = common (15-50) and ++++ = abundant (>50)

NB charcoal over 10mm is sufficient for identification and AMS dating

TABLE 2 Flotation sample results

CONTEXT	SAMPLE	FEATURE	TOTAL	CEREAL GRAIN	CEREAL CHAFF	LEGUMES	WEEDS	HAZELNUT SHELL	OTHER CHARRED PLANT REMAINS	CHARCOAL		SUITABLE FOR AMS	COMMENTS
										Qty	Max size (mm)		
02004	29	Fill of pit [02003]	100	++	–	–	+	–	–	++	–	Risk	cereal
03004	30	Fill of post-hole [03003]	5	–	–	–	–	–	–	–	–	–	No charred plant remains
04004	32	Fill of ditch [04003]	30	–	–	–	–	–	–	+	3	N	–
04007	33	Fill of pit [04006]	30	–	–	–	–	–	–	–	–	–	No charred plant remains
08007	1	Mixed fill of burnt feature [8006]	200	–	–	–	–	–	–	+++	22	N	Rectilinear charcoal fragments, larger fragments mostly oak

CONTEXT	SAMPLE	FEATURE	TOTAL	CEREAL GRAIN	CEREAL CHAFF	LEGUMES	WEEDS	HAZELNUT SHELL	OTHER CHARRED PLANT REMAINS	CHARCOAL		SUITABLE FOR AMS	COMMENTS
										Qty	Max size (mm)		
13004	15	Fill of ditch [13003]	28	–	–	–	–	–	–	–	–	–	No charred plant remains
15004	16	Fill of ditch [15003]	50	–	–	–	–	–	–	++	4	N	stem fragments ?heather
17006	3	Secondary fill of ditch [17004]	20	–	+	–	+	–	–	+++	10	–	single
17008	4	Fill of gulley [17007]	5	+	–	–	–	–	–	+	4	Y	cf. barley grain and a bread/club wheat grain. The wheat grain is better preserved. Small scrappy rectilinear charcoal fragments
19007	2	Fill of burnt pit [19006]	50	–	–	–	–	–	–	++++	11	Y	Rectilinear charcoal fragments, larger fragments ++ maybe sufficient for AMS if non-oak
19012	6	Upper fill of pit [19010]	20	–	–	–	–	–	–	+++	7	N	–
19014	5	Fill of linear/pit [19013]	20	–	+	–	+	–	–	++	4	N	single glume base, single charred grass caryopsis, fragmented and poor preservation cannot ID beyond family, small rectilinear charcoal fragments, and a single charred rhizome/tuber fragment
19015	10	Burnt mound material	100	–	–	–	–	–	–	++++	16	Y	Rectilinear charcoal fragments
19020	7	Upper fill, burnt mound material of [19017]	5	–	–	–	–	–	–	++	9	N	Rectilinear charcoal fragments all < 9 mm, only 1 round wood fragment to 9 mm
19024	8	Burnt mound material	50	–	–	–	–	–	–	++	9	N	Rectilinear charcoal fragments - possibly Oak
20005	17	Lower fill of ditch [20004]	60	–	–	–	–	–	–	+	6	N	single fragment of charred ?rhizome/tuber, not sufficient for AMS
20010	18	Fill of post-hole [20009]	5	–	–	–	–	–	–	–	–	–	No charred plant remains
25004	26	Fill of ditch [25003]	70	–	–	–	–	–	–	–	–	–	No charred plant remains
28004	31	Fill of pit [28003]	150	–	–	–	–	–	–	–	–	–	No charred plant remains
32006	9	Upper fill of ditch [32003]	350	–	–	–	–	–	–	++	4	N	–
36004	11	Fill of ditch [36003]	100	–	–	–	–	–	–	–	–	–	No charred plant remains
38004	12	Fill of ditch [38003]	200	–	–	–	–	–	–	–	–	–	No charred plant remains
41006	21	Fill of ditch [41005]	30	–	–	–	–	–	–	+++	7	N	rectilinear charcoal and small twig/root fragments
42007	13	Fill of ditch [42006]	70	–	–	–	–	–	–	+++	9	N	Rectilinear charcoal fragments, mostly oak?
42009	14	Upper fill of linear feature [42008]	100	–	–	–	–	–	–	++++	12	N	rectilinear charcoal fragments, mostly small scrappy fragments no sufficient for AMS
42012	36	Fill of burnt mound [42011]	300	–	–	–	–	–	–	+	5	N	Small rectilinear charcoal fragments not sufficient for AMS

CONTEXT	SAMPLE	FEATURE	TOTAL	CEREAL GRAIN	CEREAL CHAFF	LEGUMES	WEEDS	HAZELNUT SHELL	OTHER CHARRED PLANT REMAINS	CHARCOAL		SUITABLE FOR AMS	COMMENTS
										Qty	Max size (mm)		
46005	25	Fill of ditch [46003]	50	–	–	–	–	–	–	+	4	N	Cereal
47005	22	Fill of ditch [47004]	50	–	–	–	–	–	–	+	8	N	2 x rhizome/tuber, small rectilinear charcoal fragments <3 mm
47007	23	Fill of ditch [47006]	100	–	–	–	–	–	–	+++	5	N	small
51005	28	Primary fill of [51004]	100	–	+	–	+	–	–	+++	10	N	Glume base fragment, charred
51007	27	Third (uppermost) fill of [51004]	100	–	–	–	–	–	–	+++	8	N	Rectilinear charcoal fragments, heather stem, small twig/root material
52005	24	Fill of post-hole [52004]	6	–	–	–	–	–	–	++	8	N	Rectilinear charcoal fragments, 1 x rhizome/tuber
53003	19	Possible remains of burnt mound	100	–	–	–	–	–	–	+++	6	N	small rectilinear charcoal fragments
61006	34	Fill of linear [61005]	50	–	–	–	–	–	–	++	3	N	–
61008	35	Fill of burnt mound [61007]	50	+	–	–	–	–	–	+++	4	Risk	Small barley grain, may be sufficient for AMS dating
68004	20	Fill of ditch [68003]	30	–	–	–	–	–	–	+	<1	N	–

Key: + = rare (0-5), ++ = occasional (6-15), +++ = common (15-50) and ++++ = abundant (>50)

NB charcoal over 10mm is sufficient for identification and AMS dating

APPENDIX 4 RADIOCARBON DATING CERTIFICATES

Scottish Universities Environmental Research Centre

Rankine Avenue, Scottish Enterprise Technology Park, East Kilbride, Glasgow G75 0QF, Scotland, UK
Director: Professor R M Ellam Tel: +44 (0)1355 223332 Fax: +44 (0)1355 229898 www.glasgow.ac.uk/suerc

RADIOCARBON DATING CERTIFICATE

29 March 2017

Laboratory Code	SUERC-72369 (GU43220)
Submitter	Angela Walker Headland Archaeology Ltd 13 Jane Street Leith Edinburgh EH6 5HE
Site Reference	WNBB16
Context Reference	61008
Sample Reference	35
Material	Charred cereal grain : Hordeum
δ ^{13}C relative to VPDB	-25.0 ‰ assumed
Radiocarbon Age BP	3061 ± 32

N.B. The above ^{14}C age is quoted in conventional years BP (before 1950 AD). The error, which is expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error.

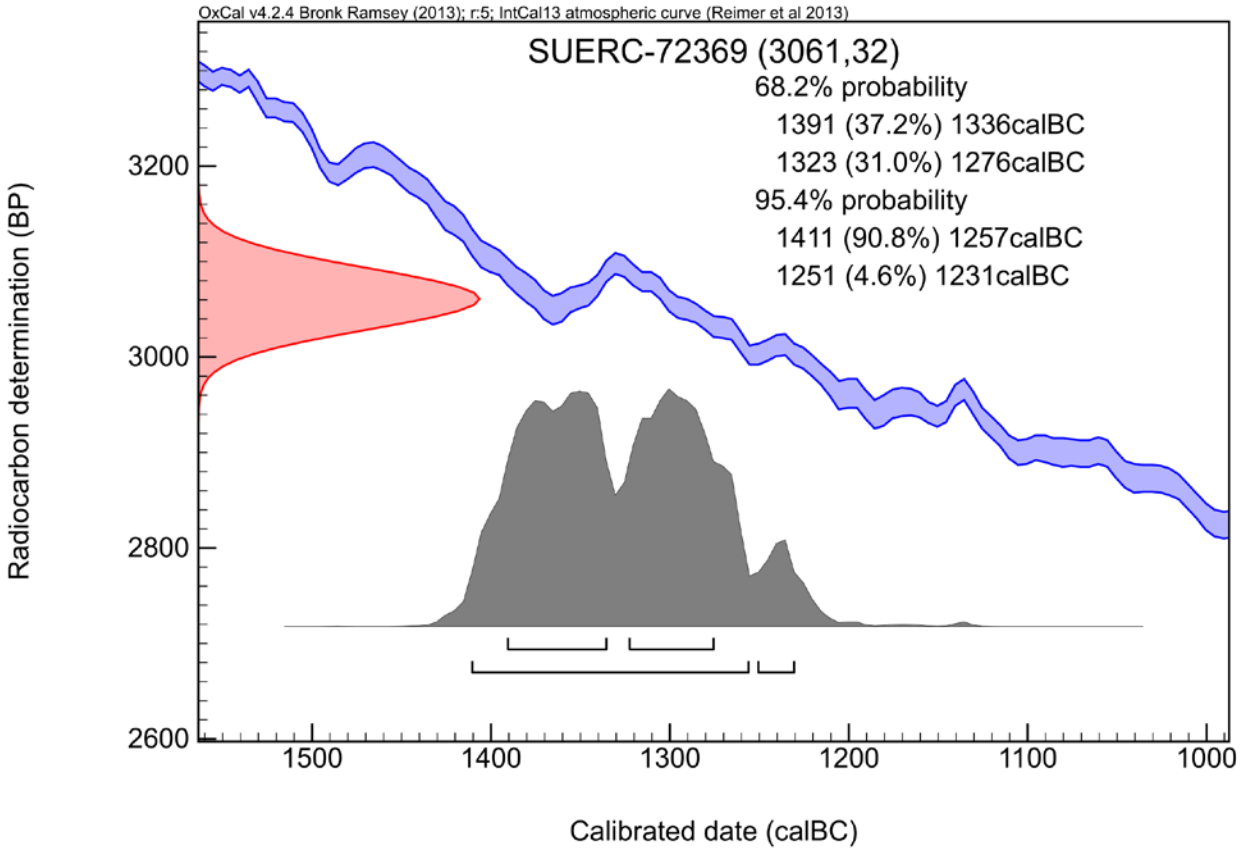
The calibrated age ranges are determined from the University of Oxford Radiocarbon Accelerator Unit calibration program (OxCal4).

Samples with a SUERC coding are measured at the Scottish Universities Environmental Research Centre AMS Facility and should be quoted as such in any reports within the scientific literature. Any questions directed to the Radiocarbon Laboratory should also quote the GU coding given in parentheses after the SUERC code. The contact details for the laboratory are email Gordon.Cook@glasgow.ac.uk or telephone 01355 270136 direct line.

Conventional age and calibration age ranges calculated by :- [redacted] Date :- 29/03/2017

Checked and signed off by :- [redacted] Date :- 29/03/2017

Calibration Plot



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RADIOCARBON DATING CERTIFICATE

29 March 2017

Laboratory Code	SUERC-72370 (GU43221)
Submitter	Angela Walker Headland Archaeology Ltd 13 Jane Street Leith Edinburgh EH6 5HE
Site Reference	WNBB16
Context Reference	19015
Sample Reference	10
Material	Charcoal : Non-oak
δ ^{13}C relative to VPDB	-28.4 ‰
Radiocarbon Age BP	3108 ± 32

N.B. The above ^{14}C age is quoted in conventional years BP (before 1950 AD). The error, which is expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error.

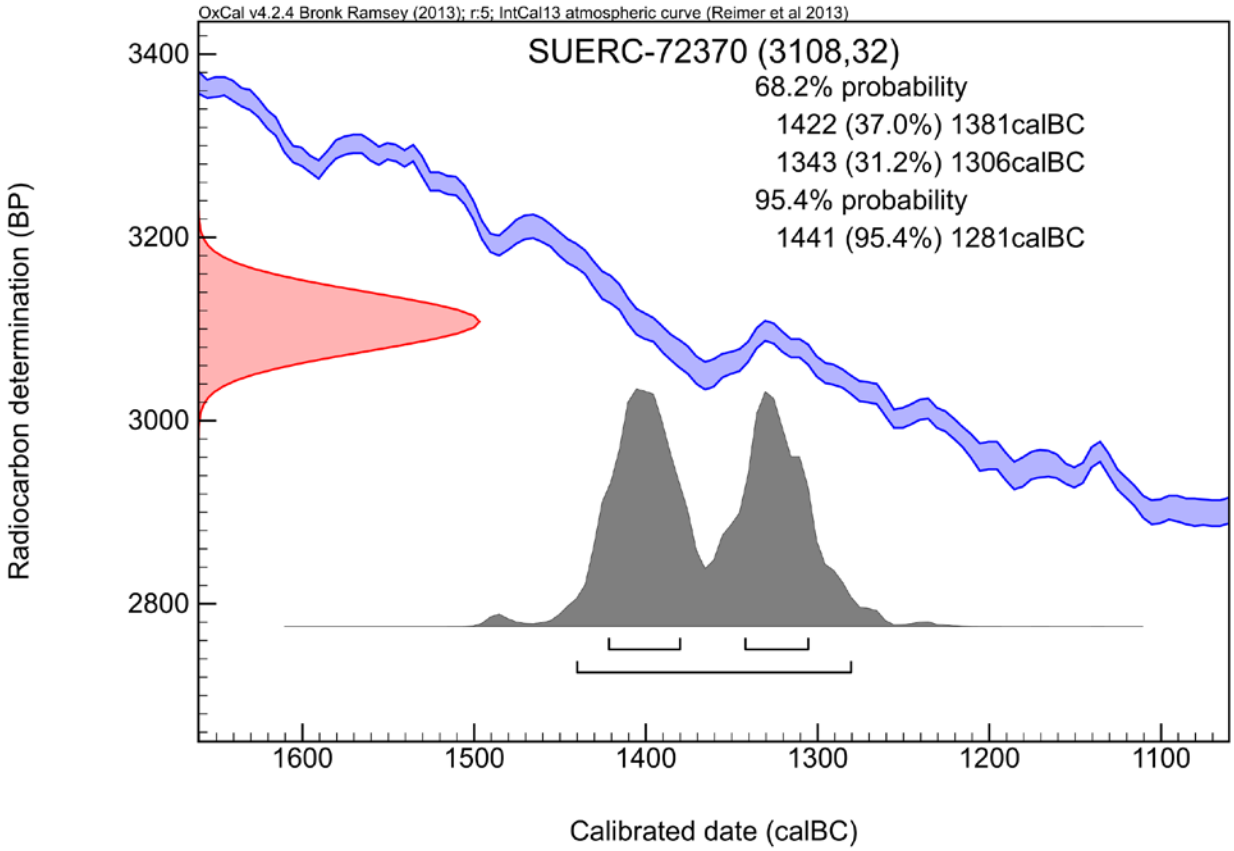
The calibrated age ranges are determined from the University of Oxford Radiocarbon Accelerator Unit calibration program (OxCal4).

Samples with a SUERC coding are measured at the Scottish Universities Environmental Research Centre AMS Facility and should be quoted as such in any reports within the scientific literature. Any questions directed to the Radiocarbon Laboratory should also quote the GU coding given in parentheses after the SUERC code. The contact details for the laboratory are email Gordon.Cook@glasgow.ac.uk or telephone 01355 270136 direct line.

Conventional age and calibration age ranges calculated by :- [redacted] Date :- 29/03/2017

Checked and signed off by :- [redacted] Date :- 29/03/2017

Calibration Plot



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