making sense of heritage

Deanfield
Wakefield

Archaeological Evaluation Report

Ref: 100640.01
October 2013

archaeology

making sense of heritage

Deanfield
Wakefield

Archaeological Evaluation Report

Ref: 100640.01
October 2013

archaeology

Deanfield
Wakefield

Archaeological Evaluation Report

Prepared for:
CgMs Consulting Ltd
Newark Beacon
Beacon Hill Office Park
Cafferata Way
Newark
NG24 2TN

Prepared by:
Wessex Archaeology
Unit R6, Riverside Block
Sheaf Bank Business Park
Sheffield
S2 3EN

www.wessexarch.co.uk

October 2013

Report Ref: 100640.01

Quality Assurance

Project Code	100640	**Accession Code**		**Client Ref.**	
Planning Application Ref.		**Ordnance Survey (OS) national grid reference (NGR)**	43726 41991		

Version	Status*	Prepared by	Checked and Approved By	Approver's Signature	Date
v01	I	*AWT*	*APN*	Andrew Norton	31/10/13
File:	S:\PROJECTS\100640 (Deanfield Wakefield)\Reports\				
V02	E	*KS*	*RJO*	Richard O'Neill	31/10/13
File:	S:\PROJECTS\100640 (Deanfield Wakefield)\Reports\				
File:					
File:					
File:					

* I = Internal Draft; E = External Draft; F = Final

Deanfield
Wakefield

Archaeological Evaluation Report

Contents

Figures

Plates

Deanfield
Wakefield

Archaeological Evaluation Report

Summary

Wessex Archaeology was commissioned by CgMs Consulting Ltd to undertake a scheme of archaeological evaluation at Deanfield, Wakefield (43726 41991; hereafter 'the Site') as part of a planning application for surface coal mine.

The evaluation comprised trial trenching following on from a geophysical survey undertaken by ASWYAS (2012). The work was carried out in line with a Brief (WYAAS 2012) prepared by WYAAS, advisors to the planning authority.

A few archaeological features were found. Five former mining shafts were identified, with four clustered in the southeast corner of the site. Two 'V'-shaped ditches and a number of small undated gullies were recorded, with a minor cluster around Trenches 17 and 116. One of the 'V'-shaped ditches contained modern glass and pot in the upper fill. No archaeologically significant stratified finds were recovered.

The archive is currently held at the offices of Wessex Archaeology in Sheffield, under the project code 100640. The archive will be deposited with Wakefield M.D.C. Museums and Arts, Pontefract Museum under an accession number to be determined. An OASIS form will be submitted at the time of deposition.

Deanfield
Wakefield

Archaeological Evaluation Report

Acknowledgements

This project was funded by UK Coal Surface Mines and Wessex Archaeology are grateful to them in this regard. Rebecca Remmer of West Yorkshire Archaeological Advisory Service (WYAAS) monitored the work and Wessex Archaeology are grateful for her assistance. The evaluation fieldwork was carried out by Ashley Tuck, Mark Hackney, Jonathon Buttery, Laurence Savage, Tom Firth, Martina Tenzer and Chris Harrison. The report was compiled by Ashley Tuck and the illustrations produced by Chris Swales. Finds were assessed by Lorraine Mepham. Environmental analysis was undertaken by Sarah Wyles. The project was managed for Wessex Archaeology by Chris Swales.

Deanfield
Wakefield

Archaeological Evaluation Report

1 INTRODUCTION

1.1 Project background

1.1.1 Wessex Archaeology was commissioned CgMs Consulting Ltd to undertake an archaeological trial trench evaluation at Deanfield, Wakefield (**Figure 1**), hereafter 'the Site' (centred on NGR 43726 41991). This work was undertaken as part of a planning application for a surface mine.

1.1.2 As a result, a Brief was prepared by WYAAS (2012), setting out a strategy and programme of archaeological work. It detailed a scheme of geophysical survey and trial trenching covering 2% of the total site. The geophysical survey was undertaken by ASWYAS (2012) and this report details the results of the trial trenching. CgMs (2012) produced a desk-based assessment which highlights the archaeological significance of the Site.

1.2 The Site

1.2.1 The Site is approximately 138 hectares and located west of New Sharlston. To the south is a railway line running approximately east to west. The Site is located north of Crofton and south of Warmfield. Doncaster Road runs east to west to the south of the railway line. The northern boundary is formed by the A655 Black Road, and Crossley Street and Cow Lane form the eastern boundary. A disused railway line marks the western side of the Site. The Site is a mixture of pasture land and cultivated agricultural land interspersed, especially along road lines, with some scrub. The Site slopes downhill from east to west with a prominence (60m OD) in the south west corner of the Site.

1.2.2 The Geology of the Site is Pennine Middle Coal Measure Mudstone, Siltstone and Sandstone. The soils are slow permeable seasonally wet acid loams and clays and fen peat soils. (http://www.bgs.ac.uk/education/geology_of_britain/home.html).

2 ARCHAEOLOGICAL BACKGROUND

2.1 Introduction

2.1.1 The following information is summarised from the Brief (WYAAS 2012).

2.2 Archaeological interest

2.2.1 The proposed Site lay in the centre of an area known to contain undesignated cropmark remains of a probable late prehistoric/Romano-British landscape. However, none of these remains have been identified within the boundary of the proposed Site. Two cropmark sites are situated immediately adjacent to the Site boundary these remains strongly suggested that the Site was likely to contain features of a similar date. One of these sites

is situated immediately south of the southern boundary and consists of a rectangular enclosure with an internal division and possible associated features, the other site is situated immediately west of the western boundary and consists of part of a field system with two associated enclosures; the surviving cropmark does suggest that this field system extends into the proposed development site.

2.2.2 Approximately 400m east of the Site boundary is a further cropmark site which consists of a large field system with associated enclosures. Beyond this feature the surrounding landscape is also dominated by the cropmark remains of a probable late prehistoric/Romano-British landscape of field systems, enclosures, lanes, pits and ditches.

2.2.3 The proposed Site lies in the centre of an area known to contain remains dating from the late prehistoric period onwards. These remains strongly suggest that the proposed development site is likely to contain features of a similar date, which have not shown up as crop marks on aerial photographs.

2.2.4 The desk based assessment (CgMs 2012) records evidence of medieval and post-medieval coal extraction from shallow workings (14th to 18th centuries) within the proposal area. In addition to any intrinsic information on the density, methods and technology used in working these pits, evidence may also be usefully compared with the results of archaeological excavations carried out at the nearby Sharlston Colliery which dates from the early 19th century. Evidence of early deep workings dating to the 18th and 19th centuries would also be of interest; in particular their drainage and haulage systems and any artefactual assemblages encountered.

3 METHODOLOGY

3.1 Aims and objectives

3.1.1 The aim of the evaluation was to gather sufficient information to establish the extent, condition, character and date (as far as circumstances permit) of any archaeological features and deposits within the area of interest. The information gained will allow the Planning Authority to make a reasonable and informed decision on the planning application as to whether archaeological deposits should be preserved in-situ, or more appropriately, be recorded prior to destruction (whether this be a summary record from a salvage excavation or watching brief, or a detailed record from full open area excavation).

3.2 Trench size and placement

3.2.1 The work was intended to involve the excavation of 123 trenches measuring either 100m by 2m or 50m by 2m. Four trenches were not excavated following on-Site discussion with Rebecca Remmer (WYAAS) and Myk Flitcroft (CgMs). These were **Trenches 100** and **159**, **160** and **161**, the latter three of which were in an area planted with osiers. In addition several trenches were extended slightly to fully expose the revealed features.

3.2.2 The location of **Trenches 1-34** were informed by the results of the geophysical investigation. These trenches were generally 50m long, but some were 100m. Trenches 100-189 were plotted in apparently blank areas in order to test 2% of the total area of the Site. These later trenches were all 100m in length (**Figure 2**).

3.2.3 A number of untargeted trenches were relocated in the field (**Figure 2**) to avoid overhead power cables, and to reduce the impact of the works to farmer's crops.

3.3 Fieldwork method

3.3.1 Topsoil and recent overburden was removed down to the first significant archaeological horizon in successive level spits of a maximum 0.2m thickness, by the use of an appropriate machine using a wide toothless ditching blade. The machine was not used to cut arbitrary trenches down to natural deposits. Machine work was carried out under direct archaeological supervision and the machine halted when archaeological deposits were encountered. The top of the first significant archaeological horizon was exposed by the machine, and was inspected for features, cleaned by hand and then dug by hand where appropriate.

3.3.2 All features identified were half-sectioned to the full depth of archaeological deposits with the exception of the exposed mine shafts which were augured for depth.

3.3.3 All artefacts were retained for processing and analysis except for unstratified 20th century material, which may be noted and discarded. Finds will be stored in secure, appropriate conditions in accordance with the relevant guidelines (Watkinson and Neal 1998).

3.3.4 The trenches were set out by means of a GPS system and tied into the Ordnance Survey grid.

3.4 Method of recording

3.4.1 The trenches were recorded according to Wessex Archaeology's recording guidelines and standard archaeological practice (IfA 2008). The stratigraphy of each area was recorded, even when no archaeological deposits were identified.

3.4.2 Section drawings presented here (at a minimum scale of 1:20) include heights A.O.D. Plans (at a minimum scale of 1:50) include O.D. spot heights for all principal strata and any features. At least one section of each trench edge, showing a representative and complete sequence of deposits from the modern ground surface to the natural geology, was drawn.

3.4.3 The actual areas of excavation and all archaeological (and possibly archaeological) features were accurately located on a Site plan and recorded by photographs, scale drawings and written descriptions sufficient to permit the preparation of a detailed archive and report on the material. The trench locations, as excavated, were accurately surveyed and tied into the O.S. National Grid with the use of GPS accurate to 0.02m.

3.4.4 Black and white photography using orthodox monochrome chemical development was used (ISO400). Black and white photography was supplemented by colour digital photographs.

3.4.5 Trenches were recorded according to accepted national professional standards (IfA 2008).

4 ARCHAEOLOGICAL RESULTS

4.1 Introduction

4.1.1 The following section provides a summary of the information held in the Site archive, with a full list of context numbers and context descriptions within each trench contained in **Appendix 1**.

4.2 General stratigraphy

4.2.1 Typically, trenches had between 0.25m and 0.4m of silty clay topsoil. The topsoil was described as either mid brown, dark brown or dark blackish brown, with the variation likely due to the weather at the time of excavation.

4.2.2 The natural was typically yellow clay overlying yellow-grey sandstone and mudstone (**Plate 1**). However, the clay varied greatly and was at times grey, orange or even purplish, and in some places consisted of silt. There were many instances of geologically deposited coal outcropping as well as sandstone and mudstone outcrops. The sandstone was typically grey or yellow but was at times red. The natural was very variable with multiple types often present in the same trench. A particularly complex patch of coal seams and variable natural is probably responsible for the false positives thrown up by the geophysics in the area of **Trenches 25-27**.

4.2.3 In some trenches, a thin relic ploughsoil subsoil was identified. This was in all instances a lighter, greyer version of the topsoil. Subsoil was recorded in **Trenches 5**, **9**, **12**, **33**, **108**, **112**, **118**, **135**, **157** and **180**.

4.2.4 In addition, colluvium was seen in five trenches. This was easily distinguished from the natural as it had a disturbed feel and contained mixed-in former topsoil. This was present in **Trenches 103** and **104**, situated on a steep hill in the southwest of the Site. It was also seen filling a natural hollow in **Trenches 18** and **135**, which were adjacent to each other. The south limit of this colluvium explains the geophysical anomaly that runs across these trenches. (The north limit was not identified; the trenches to the north did not contain colluvium.) **Trench 14** lay in a flat area at the base of a slope. It contained 0.54m depth of colluvium under which a small feature was found (see below).

4.2.5 The crop of oilseed rape had failed in the area of **Trench 171**. This may be due to the total absence of topsoil. The top 0.2m of natural had been ploughed up in this area, creating a yellow clay ploughsoil.

4.3 Former opencast

4.3.1 A number of areas of the Site had previously been the subject of modern opencast mining (**Plate 2**). Map data was available for the former extraction areas. It was discovered during excavation that, in general, the area disturbed by mining works was larger than the extraction area. In some localities the area of disturbed ground was smaller than the mapped extraction area.

4.3.2 In the southwest, **Trench 106** lay entirely on opencast backfill.

4.3.3 The limits of the former “Deanfield” area of opencast were defined. **Trenches 15**, **17** and **117** contained this boundary. This was some tens of metres further to the southwest than had been expected, and coincided with a geophysical anomaly that had been interpreted as “geology” (ASWYAS 2012). **Trenches 119** and **118** lay entirely within the former opencast area. Nearby, **Trenches 120** and **122** lay on the boundary, which was again tens of metres further out than anticipated, this time to the north. This coincided with a “geological” geophysical anomaly (*ibid.*). Conversely, **Trench 124**, which had been sited on the boundary, turned out to lie entirely on undisturbed natural. **Trench 130** once again contained the boundary which was this time as plotted on the mapping.

4.3.4 At the northeast end of Site, **Trench 176** was found to lie entirely on opencast backfill. This backfill extended as a 0.4m thick layer of overburden in the east part of **Trench 177**

(which was removed by machine). However, no opencast backfill was identified in **Trench 164**, only clean natural deposits.

4.4 Ridge and furrow

4.4.1 The majority of trenches contained plough furrows from former field cultivation (**Plate 3**). This was normally consistent with the geophysical survey (ASWYAS 2012). In some trenches where the geophysical survey indicated the presence of ridge and furrow, none was identified. Sometimes, e.g. **Trench 187** this was because the trench was aligned exactly with the furrows and lay wholly on a ridge. In other cases, e.g. **Trench 110**, the absence of furrows must be due to their slight nature and poor preservation.

4.4.2 To the southwest, around **Trenches 104** and **105**, was an area of cultivation with north-south furrows. **Trenches 113** and **114** contained northeast-southwest aligned furrows. **Trench 112** had north to south aligned furrows, as did **Trenches 116** and **117**.

4.4.3 In the southeast of the Site, in the area of **Trenches 31, 32, 123** and **125-132**, the furrows again ran north-south. North of Hell Lane, furrows were seen running east-west in Trench 26. In **Trenches 29**, **153-156** inclusive and **169**, the furrows ran on a north-south alignment. North of Hell Lane and West of Red Lane, all trenches with furrows (**19**, **23**, **24**, **133**, **136**, **137-141** inclusive, **143-148** inclusive, **183-186** inclusive and **188**) had them running north-northeast to south-southwest. In the northeast corner of Site, a patch of east-west aligned furrows was identified in **Trenches 162**, **166**, **168**, **170**, **172-175** inclusive, **177**, **178** and **180**.

4.4.4 In summary, there were at least seven different areas of ridge and furrow cultivation identified across the Site. The furrows were generally uniform, typically between 0.8 and 1.2m wide. The material filling the furrows was generally very uniform, a mid-brown greasy clay with inclusions. Sometimes it was grey, and in a couple of instances (**Trenches 145** and **153**) some of the fill was more like topsoil, suggesting these furrows may have been visible earthworks until very recently.

4.4.5 In **Trench 148**, in addition to the north-south furrows expected, a single east-west furrow was found. This was sited next to Hell Lane and is interpreted as a headland furrow or boundary. It was filled with the same material as the normal furrows.

4.4.6 The local farmer stated that the area of **Trenches 179**, **182**, **181** and part of **180** that was under pasture was too wet and “tough” to cultivate. This may explain the absence of furrows in this area.

4.5 Post-medieval

4.5.1 Five shafts for bell pits or other coal mining activities were identified (**Plate 4**). Four of these were in the southeast corner of this Site, as identified in the desk based assessment (DBA) (CgMs 2012). In the DBA it was thought likely that these shafts were early post-medieval in date through analogy with nearby examples at Sharlston and Warmfield commons.

4.5.2 The four shafts in the south east of the Site were **12806**, **13005**, **13104** and **13202** (in **Trenches 128**, **130**, **131** and **132** respectively), and were all 1.7m in diameter. The fills were generally poor quality coal spoil mixed with brown silts and clays. These were augured by hand. The auger refused in **12806** at a depth of 1.2m. In **13005**, natural yellow clay was found at 4.6m below ground level. **13104** refused at 1.25m; **13202** revealed natural at 3.35m.

4.5.3 In addition to these four shafts, a fifth (**15704**) was found north of Hell Lane in **Trench 157**. This refused at 2.1m, and was slightly larger, 1.8m in diameter, with a sub-square or sub-rounded shape.

4.6 Undated

4.6.1 A 'V'-shaped linear (**202, Plate 5**) was recorded in **Trench 2** (**Figure 2**). It was 0.65m deep by 0.9m wide and ran roughly east-west, correlating with a strong geophysical anomaly. Other anomalies revealed by geophysics were not found.

4.6.2 Two slight gullies were recorded in **Trench 9**. Gully **904** (**Plate 6**) extended north-south across the trench and was 0.32m deep by 1.5m wide. The subsoil that extended across the rest of the trench was absent in this particular location. Feature **906** (**Plate 7**) was similar and terminated in the middle of the trench. It was smaller, at 0.16m deep by 0.42m wide. It is possible that these were drainage features of uncertain date (**Figure 2**). They may be the poorly preserved remains of furrows: the geophysics suggested the presence of north-south aligned furrows in this area and none were found. Alternatively they might have been genuine archaeological features or just be ephemeral natural hollows.

4.6.3 In **Trench 14** there was 0.54m of colluvium in addition to 0.4m of topsoil. Under this was found a very small gully, **1404** (**Plate 8**). It was 'U'-shaped, 0.1m deep and 0.6m wide (**Figure 2**). The fill, **1405**, was silver grey sandy clay with <5% sandstone inclusions. In addition there was also a modern pit in **Trench 14**, discussed later.

4.6.4 **Trench 17** contained three intercutting linear features (**Figure 3**). The earliest of these, **1709**, ran northwest-southeast, was 'U'-shaped and measured 0.3m deep by 1.51m wide. Ditch **1706** ran on the same alignment, was irregular and may have been a re-cut of the earlier feature (**Plate 9**). It was deeper, at 0.5m deep and 1.54m wide, although it did not overlap with the earlier feature exactly. Both of these features were cut by a differently aligned gully, **1704**. This ran N-S and was 0.08m deep by 0.35m wide with a flat base. The fills of all of these features were greyish or yellowish brown silts.

4.6.5 A 'V'-shaped ditch (**3304, Plate 10**) was excavated in **Trench 33 (Figure 3)**. This correlated with a geophysical anomaly interpreted as possible archaeology (ASWYAS 2012). It ran east-west and measured 0.72m deep and 1.82m wide. There were two fills. The lower, **3306**, was 0.3m deep and consisted of dark grey clay with frequent sandstone and organic material which may be burnt wood or degraded roots. The upper fill, **3305**, was dark orange brown sandy clay with occasional small sandstone, and produced modern pot and glass.

4.6.6 **11602** was a wide (1.09m) shallow (0.22m) gully in **Trench 116 (Figure 3)**. It was cut by furrows. The fill was reddish brown silty sand (**Plate 11**).

4.6.7 In **Trench 152**, a curvilinear feature, **15203,** was excavated (**Plate 12**). It was 0.26m deep by 0.62m wide and formed an arc within the trench, entering and leaving on the south side (**Figure 3**). It was again cut by a furrow. The fill was almost indistinguishable from the natural yellowish grey sandy clay.

4.7 Modern

4.7.1 A modern pit (**1403, Plate 13**) was recorded in **Trench 14**. This proved to be the collapsed upper part of a geotechnical borehole. A number of these boreholes were encountered, for example in **Trenches 106** and **147**.

4.7.2 A land drain with an unusually large cut (**10903, Plate 14**) was recorded in **Trench 109**.

4.7.3 As already mentioned, the upper fill of **3304** produced modern pot and glass.

4.7.4 A slight linear feature (**3406, Plate 15**) consisting of a mere scrape of soil was excavated in **Trench 34**. This was identified on the geophysics and correlates with historic mapping as a former field boundary.

4.7.5 **Natural**

4.7.6 A feature (**1903, Plate 16**) was recorded in **Trench 19** which has been reinterpreted as a natural lump of clay within a coal seam.

5 ARTEFACTUAL EVIDENCE

5.1 Summary

5.1.1 A very small quantity of finds was recovered, largely ceramic, and all dating to the post-medieval/modern period, with a focus in the 19th/20th century. Finds are listed by context in **Table 1**.

5.1.2 Only one context produced stratified finds. The upper fill of ditch **3304** (**3305**) produced glass and pot, which was examined by glass specialist Dr Hugh Willmott at Sheffield University. He concluded that the glass was modern.

5.1.3 Pottery constituted the most commonly occurring material. Wares represented include coarse redwares, both glazed (probably 18th century or later) and unglazed (modern flowerpot); bone china and refined whitewares (tea wares, 19th/20th century); and English stoneware (feldspathic glazed, 19th/20th century, probably from a preserve jar, base stamp of MANC[HESTER]). There is also a porcelain figurine, and a small porcelain doll's leg.

5.1.4 Other finds comprise clay pipe stem fragments; two glass bottle/jar fragments and a glass facet-cut button (all 19th/20th century); fragments of post-medieval brick and tile; a fragment of animal bone (large mammal long bone); and a twopenny token belonging to the People's Music Hall in Wakefield.

5.2 Further recommendations

5.2.1 No further analysis or publication is warranted for this assemblage. On the basis of quantity, nature of the finds, and date range, retention for long-term curation is not recommended.

Table 1: All finds by context (number / weight in grammes)

Context	Animal Bone	CBM	Clay Pipe	Glass	Metal	Pottery
1407	1/14					1/7
1705						2/10
3300				1/4		
3305				1/4		2/5
10900					1/8	
13504		4/77	2/1	1/9		6/17
18500						1/261
unstrat				1/11		3/76
TOTAL	**1/14**	**4/77**	**2/1**	**3/24**	**1/8**	**15/376**

6 ENVIRONMENTAL ASSESSMENT

6.1 Introduction

6.1.1 A bulk sample of 20 litres was taken from ditch **3304** in **Trench 33** to evaluate the presence and preservation of palaeo-environmental remains. This information can contribute in discerning the archaeological significance of the Site.

6.1.2 The sample was processed for the recovery and assessment of charred plant remains and charcoal.

6.2 Charred plant remains and wood charcoal

6.2.1 The bulk sample was processed by standard flotation methods; the flot retained on a 0.3mm mesh, the residue fractionated into 5.6mm, 2mm and 1mm fractions and dried. The coarse fraction was sorted, weighed and discarded. The flot was scanned under a x10 – x40 stereo-binocular microscope and the preservation and nature of the charred plant and wood charcoal remains recorded in **Table 2**. Preliminary identifications of dominant or important taxa are noted below, following the nomenclature of Stace (1997).

6.2.2 The flot was relatively small with low numbers of roots and modern seeds. The charred material comprised varying degrees of preservation.

6.2.3 Very few charred plant remains were recovered in this sample. These included fragments of sloe (*Prunus spinosa*) stone.

6.2.4 A small quantity of wood charcoal fragments greater than 4mm was retrieved from ditch **3304**. The charcoal included round and twig wood fragments.

6.2.5 There is no evidence for any specific settlement activity such as crop processing and the assemblage may represent scrub or hedgerow material. There is no indication of a possible date for the ditch from the charred assemblage.

6.3 Further potential

6.3.1 There is no potential for the analysis of the charred plant remains to provide detailed information on the nature of the settlement, and the local environment due to the paucity of remains recovered.

6.3.2 There is the potential for the analysis of the wood charcoal to provide some very limited information on the species composition.

Table 2: Assessment of the charred plant remains and charcoal

Samples				Flot								
Feature	Context	Sample	Vol. Ltrs	Flot (ml)	% roots	Charred Plant Remains				Charcoal >4/2mm	Other	Analysis
						Grain	Chaff	Other	Comments			
Trench 33, ditch 3304												
3304	3306	1	20	65	5	-	-	C	*Prunus spinosa* stone frag, charcoal include round and twig wood	3/15 ml	-	-

Key: A*** = exceptional, A** = 100+, A* = 30-99, A = >10, B = 9-5, C = <5;

7 DISCUSSION

7.1 Summary

7.1.1 The evaluation revealed only a small number of features. Aside from the early mining shafts, whose presence was already known, very few areas of archaeological interest were identified.

7.1.2 This area may have largely been a blank, un-utilised area prior to ridge and furrow cultivation. Extensive cultivation combined with the former opencast has likely removed what trace of archaeology may have once existed here. However, the almost total absence of finds is indicative of an area away from any historic settlement.

7.1.3 With few exceptions, this evaluation has demonstrated that there is low potential for archaeology in this area. There are early mining shafts in both the south east corner of Site and in **Trench 157**. It is likely that more shafts exist. Undated linears were found in **Trenches 2**, **9**, **14**, **17**, **33**, **116**, and **152**, but the features identified so far are slight and only of marginal interest.

7.2 Conclusions

7.2.1 Little was found and, in general, there is low potential for further archaeology. There are early mining shafts in **Trench 157** and in the southeast corner of Site. Other areas could be investigated further, but potential for significant discoveries is low.

8 STORAGE AND CURATION

8.1 Museum

8.1.1 It is recommended that the project archive resulting from the excavation be deposited with Wakefield M.D.C Museums and Arts, Pontefract Museum. The Museum has agreed in principle to accept the project archive on completion of the project under an accession code to be determined. Deposition of any finds with the Museum will only be carried out with the full agreement of the landowner.

8.2 Archive

8.2.1 The complete Site archive, which will include paper records, photographic records, graphics, artefacts, ecofacts and digital data, will be prepared following the standard conditions for the acceptance of excavated archaeological material by Wakefield M.D.C Museums and Arts, Pontefract Museum and in general following nationally recommended guidelines (SMA 1995; UKIC 2001; IfA 2009; Brown 2011; ADS 2013).

8.2.2 All archive elements will be marked with the site/accession code, and a full index will be prepared. The physical archive comprises the following:

8.3 Discard policy

8.3.1 Wessex Archaeology follows the guidelines set out in Selection, Retention and Dispersal (SMA 1993), which allows for the discard of selected artefact and ecofact categories which are not considered to warrant any future analysis. Any discard of artefacts will be fully documented in the project archive.

8.3.2 The discard of environmental remains and samples follows nationally recommended guidelines (SMA 1993; 1995; English Heritage 2011).

8.4 Security copy

8.4.1 In line with current best practice (e.g. Brown 2011), on completion of the project a security copy of the written records will be prepared, in the form of a digital PDF/A file. PDF/A is an ISO-standardised version of the Portable Document Format (PDF) designed for the digital preservation of electronic documents through omission of features ill-suited to long-term archiving.

9 REFERENCES

9.1 Bibliography

ADS, 2013, Caring for Digital Data in Archaeology: a guide to good practice, Archaeology Data Service & Digital Antiquity Guides to Good Practice

Archaeological Services WYAS, 2012, Deanfield Surface Mine, Wakefield, West Yorkshire: Geophysical Survey.

Brown, D.H., 2011, Archaeological archives; a guide to best practice in creation, compilation, transfer and curation, Archaeological Archives Forum (revised edition)

CgMs 2012, Archaeological Desk-Based Assessment: Deanfield Surface Mine.

English Heritage, 2011. *Environmental Archaeology. A Guide to the Theory and Practice of Methods from Sampling and Recovery to Post-excavation.*

Institute for Archaeologists (IfA), 2008. *Standards and Guidance for an Archaeological Excavation* [online]. Available at: www.archaeologists.net.

IfA, 2009, Standard and Guidance for the creation, compilation, transfer and deposition of archaeological archives, Institute for Archaeologists

SMA, 1993, Selection, Retention and Dispersal of Archaeological Collections, Society of Museum Archaeologists

SMA, 1995, Towards an Accessible Archaeological Archive, Society of Museum Archaeologists

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

United Kingdom Institute of Conservation (UKIC), 2001, Guidelines for the Preparation of Excavation Archives for Long Term Storage.

Watkinson, D. and Neal. V. 1998. *First Aid for Finds* (3rd edition), London: Rescue/UKIC Archaeology Section.

West Yorkshire Archaeological Advisory Service (WYAAS), 2012, Specification for Geophysical Survey and Trial Trenching to Evaluate Archaeological Remains in Advance of Development at Deanfield Surface Mine, Wakefield.

10 APPENDIX 1: CONTEXT DESCRIPTIONS

Trench No. 1		Max depth: 0.25m
Context	**Description**	**Depth (m)**
100	**Topsoil:** Mid brown clayey silt.	0- 0.25m
101	**Natural:** Claggy yellow brown clay at north end 60% stone, at south end with 0% stone.	0.25m+

Trench No. 2		Max depth: 0.9m
Context	**Description**	**Depth (m)**
200	**Topsoil:** Mid brown silty clay.	0- 0.25m
201	**Natural:** Yellow grey silty clay up to 80% sandstone.	0.25m+
202	**Cut:** East-west linear conforming with geophysics. 'V'-shaped ditch, rock cut at base. Undated.	0.25- 0.9m
203	**Fill:** Fill of **202**; orange-brown silty clay with 10% sandstone. Unmodified native material.	0.25- 0.9m

Trench No. 3		Max depth: 0.3m
Context	**Description**	**Depth (m)**
300	**Topsoil:** Mid brown clayey silt.	0- 0.3m
301	**Natural:** Yellow brown clay with 20% small stones.	0.3m+

Trench No. 4		Max depth: 0.3m
Context	**Description**	**Depth (m)**
400	**Topsoil:** Mid brown clayey silt.	0- 0.3m
401	**Natural:** Yellow brown clay with 20% small stones.	0.3m+

Trench No. 5		Max depth: 0.56m
Context	**Description**	**Depth (m)**
500	**Topsoil:** Mid brown silty clay.	0- 0.3m
501	**Natural:** Yellow brown sandy clay with 50% sandstone.	0.44- 0.56m
502	**Subsoil:** Mid orangish brown silty sand.	0.3- 0.44m

Trench No. 6		Max depth: 0.7m
Context	**Description**	**Depth (m)**
600	**Topsoil:** Mid brown clayey silt.	0- 0.25m
601	**Natural:** Mixed orange and grey clays. 5% stone.	0.25- 0.7m+
602	**Cut:** Hexagonal pit in centre of trench. 0.25m diameter. Modern borehole.	0.25- 0.7m+
603	**Fill:** Fill of **602**; oily purple/black clay. Not excavated. Fill of modern borehole.	0.25- 0.7m+

Trench No. 7		Max depth: 0.25m
Context	**Description**	**Depth (m)**
700	**Topsoil:** Rich dark-mid brown clayey silt.	0- 0.25m
701	**Natural:** 40% sandstone in yellow clay.	0.25m+

Trench No. 8		Max depth: 0.25m
Context	**Description**	**Depth (m)**
800	**Topsoil:** Mid-brown silty clay.	0- 0.25m
801	**Natural:** Yellow and grey clays, 5% stone.	0.25m+

Trench No. 9		Max depth: 0.38m
Context	**Description**	**Depth (m)**
901	**Topsoil:** Dark blackish brown silty sand.	0- 0.3m
902	**Subsoil:** Mid orangish brown silty sand with very frequent sandstone inclusions (<3cm).	0.3- 0.38m+
903	**Natural:** Sandstone bedrock.	0.38m+
904	**Cut:** Linear drainage channel running northwest-southeast. 'V'-shaped, rock cut.	0.26- 0.58m+
905	**Fill:** Fill of **904**. Mid reddish brown silty sand with frequent sandstone inclusions up to 4cm. No finds.	0.25- 0.58m+
906	**Cut:** Curvilinear gully terminus continues southeast into section. Irregular shape; likely a drainage feature if genuine.	0.26- 0.42m+
907	**Fill:** Fill of **906**. Mid orangish brown silty sand with frequent sandstone inclusions up to 5cm. No finds.	0.25- 0.42m+

Trench No. 10		Max depth: 0.34m
Context	**Description**	**Depth (m)**
1000	**Topsoil:** Dark blackish brown silty clay.	0- 0.34m
1001	**Natural:** Mid greyish brown clay frequent very small coal fragments and plough scars.	0.34m+

Trench No. 11		Max depth: 0.34m
Context	**Description**	**Depth (m)**
1101	**Topsoil:** Dark blackish brown silty clay.	0- 0.34m
1102	**Natural:** Mid greyish brown clay with frequent sandstone inclusions.	0.34m+

Trench No. 12		Max depth: 0.74m
Context	**Description**	**Depth (m)**
1200	**Topsoil:** Mid greyish brown sandy clay.	0- 0.37m
1201	**Subsoil:** Mid greyish brown sandy clay. Possibly a furrow larger than the trench as seen on the geophysical survey.	0.37- 0.62m
1202	**Natural:** Sandstone.	0.62- 0.74m+

Trench No. 13		Max depth: 0.3m
Context	**Description**	**Depth (m)**
1300	**Topsoil:** Mid brown clayey silt.	0- 0.3m
1301	**Natural:** Yellow-brown clay. Seen in north of trench.	0.3m+
1302	**Natural:** Sandstone. Grey. Seen in south of trench.	0.3m+

Trench No. 14		Max depth: 1.31m
Context	**Description**	**Depth (m)**
1400	**Topsoil:** Mid brown clayey silt.	0- 0.4m
1401	**Natural:** Yellow-brown clay.	0.94m+
1402	**Colluvium**: Large mid brown mixed clay/silt.	0.4- 0.94m+
1403	**Cut:** Very regular circular vertical pit. Modern pot in fill **1407**. Possibly associated with boreholes?	0.4- 1.31m
1404	**Cut:** 0.3m wide cut running east-west. Shallow 'U'-shaped gully. Undated.	0.94- 1.04m
1405	**Fill:** Fill of **1404**. Silver grey silty clay with 5% sandstone. Undated.	0.94- 1.04m
1406	**Natural: F**ilver grey clay band. Appeared to be a feature but upon excavation proved to be just a band of natural.	0.94m+
1407	**Fill:** Fill of **1403**. Dark greyish brown sandy clay. Mottled and industrial character. Contains modern pot.	0.4- 0.94m

Trench No. 15		Max depth: 0.66m
Context	**Description**	**Depth (m)**
1500	**Topsoil:** Mid greyish brown sandy clay.	0- 0.54m
1501	**Layer:** Opencast backfill. Mixed coal and clay. Bluish-grey. At the northeast end of the trench.	0.54- 0.66m+
1502	**Brick Rubble:** Rough line of bricks running northwest-southeast within the opencast backfill. Perhaps corresponds with the anomaly on the geophysical survey.	0.54m+
1503	**Layer:** Mixed red and blue deposit adjacent to **1502**.	0.54m+
1504	**Natural:** Yellow sandy clay and sandstone.	0.54- 0.66m+

Trench No. 16		Max depth: 0.3m
Context	**Description**	**Depth (m)**
1600	**Topsoil:** Mid brown clayey silt.	0- 0.3m
1601	**Natural:** Yellow-brown clay.	0.3m+
1602	**Cut:** Modern north-south linear, probably land drain. Modern pot in fill. Unexcavated.	0.3m+

Trench No. 17		Max depth: 0.44m
Context	**Description**	**Depth (m)**
1701	**Topsoil:** Dark brownish grey sandy clayish silt. 1% stone inclusions.	0- 0.38m
1702	**Layer:** Opencast mine backfill. Mid yellowish grey sandy clay stone and brick up to 60mm. Occasional coal.	0.38m+
1703	**Natural:** Greyish yellow clay occasional shale inclusions.	0.38m+
1704	**Cut:** North-south gully. Irregular with flat base. Fill contains modern pot. Cuts **1706**.	0.38- 0.44m
1705	**Fill:** Fill of **1704**. Light yellowish brown silty sand with common small round stones and modern pot.	0.38- 0.44m
1706	**Cut:** Irregular steep sided northwest-southeast linear feature. Cuts **1708**. Probably field boundary or drainage ditch.	0.38- 0.8m
1707	**Fill**: Fill of **1707**. Mid greyish brown silty clay with 5% sonte inclusions. No finds. Backfill of boundary ditch possibly due to mining or return to agriculture.	0.38- 0.88m
1708	**Cut:** Shallow northwest-southeast linear. Possible field boundary.	0.38- 0.6m
1709	**Fill:** Fill of linear **1708**. Mid greyish yellow silty sand with 70% stones up to 3cm. Deliberate backfill when ditch went out of use.	0.38- 0.6m
1710	**Natural:** Mixed glacial clay. Initially identified as linear features, upon excavation proved to be layers of clay that had undergone movement (landslip? Glacial processes?) and were now vertical.	0.38- 0.6m+

Trench No. 18		Max depth: 1.22m
Context	**Description**	**Depth (m)**
1800	**Topsoil:** Dark brown silty clay.	0- 0.2m
1801	**Natural:** Yellow clay.	0.2m+
1802	**Natural:** Coal seams and associated geology: grey clays etc.	0.2m+
1803	**Colluvium:** Redeposited natural yellow clay with 10% mixed in topsoil, coal etc. Easily distinguishable from natural.	0.2- 0.47m+
1804	**Buried Soil:** Mid brown silt topsoil.	0.47- 1.06m+

Trench No. 19		Max depth: 0.36m
Context	**Description**	**Depth (m)**
1901	**Topsoil:** Dark blackish brown silty sand.	0- 0.29m
1902	**Natural:** Light yellowish orange sandy clay.	0.29- 0.36m+
1903	**Cut:** Possible small pit/post-hole cut into coal seam. Likely to be a lump of roundish re-deposited clay.	0.36- 0.43m
1904	**Fill:** Fill of **1903**. Light brown sandy silt with rare white stone inclusions. Probably a lump displaced clay.	0.2- 0.47m+
1905	**Natural:** Coal seam cut by **1903**.	0.36m+
1906	**Furrow:** North-south across trench, 1.2m wide, 6m spacing.	0.36m+
1907	**Fill:** Typical furrow fill. Brown greasy clay.	0.36m+

Trench No. 20		Max depth: 0.3m
Context	**Description**	**Depth (m)**
2001	**Topsoil:** Mid brown silty loam.	0- 0.3m
2002	**Natural:** Mudstone.	0.3m+
2003	**Natural:** Mid yellow clay.	0.3m+
2004	**Natural:** Sandstone.	0.3m+
2005	**Natural:** Silty clay mid-light brown <5% sandstone, <2% coal.	0.3m+
2006	**Natural:** Blue black coal shale.	0.3m+
2007	**Field Drain**	0.3m+
2008	**Natural:** Mid yellow clay.	0.3m+

Trench No. 21		Max depth: 0.8m
Context	**Description**	**Depth (m)**
2100	**Topsoil:** Dark brown clayey silt.	0- 0.3m, 0.6m at N end.
2101	**Natural:** Yellow clay.	0.3m+
2102	**Natural:** Mid-brown clayey silt with minor stripes and “undisturbed” appearance.	0.3m+ at S, 0.6- 0.8m at N
2103	**Natural:** Sandstone bedrock.	0.8m+

Trench No. 22		Max depth: 0.35m
Context	**Description**	**Depth (m)**
2201	**Topsoil:** Mid brown silty loam.	0- 0.35m
2202	**Natural:** Mid red-brown sandy silt <2% sandstone inclusions, <3% 1% coal inclusions.	0.35m+
2203	**Natural:** Sandstone bedrock.	0.35m+
2204	**Natural:** Patch of iron rich sandy clay precipitate within natural.	0.35m+

Trench No. 23		Max depth: 0.3m
Context	**Description**	**Depth (m)**
2300	**Topsoil:** Dark brown clayey silt.	0- 0.3m.
2301	**Natural:** Yellow clay.	0.3m+
2302	**Furrows:** Two furrows. North-South aligned with trench. 1m wide.	0.3m+
2303	**Fill:** Fill of **2302**. Typical furrow fill. Greasy brown clay with roots.	0.3m+

Trench No. 24		Max depth: 0.5m
Context	**Description**	**Depth (m)**
2401	**Topsoil:** Dark brown silty loam.	0- 0.4m
2402	**Natural:** Mid yellow clay.	0.4- 0.5m+
2403	**Furrows:** Two furrows. North-south aligned with trench. 1m wide.	0.4m+
2404	**Fill:** Fill of **2402**. Typical furrow fill. Greasy brown clay with roots.	0.4m+

Trench No. 25		Max depth: 0.5m
Context	**Description**	**Depth (m)**
2501	**Topsoil:** Dark blackish brown silty clay.	0- 0.39m
2502	**Natural:** Light yellowish grey sandy clay.	0.39- 0.46m+
2503	**Natural:** Underlying shale/coal deposit and discolouration.	0.46m+
2504	**Natural:** Coal seam breaks surface of natural at W extent of trench.	0.46m+

Trench No. 26		Max depth: 0.45m
Context	**Description**	**Depth (m)**
2601	**Topsoil:** Mid brown silt loam.	0- 0.3m
2602	**Natural:** Silver yellow clay with 2% sandstone <3cm.	0.3m+
2603	**Furrow:** E-W 2m wide furrow.	0.3- 0.45m
2604	**Fill:** Fill of **2603**. Light-mid brown clay with <5% sandstone and coal <3cm.	0.3- 0.45m
2605	**Land Drain**	0.3m+
2606	**Natural:** Sandstone.	0.3m+
2607	**Natural:** Silver yellow mudstone.	0.3m+

Trench No. 27		Max depth: 0.45m
Context	**Description**	**Depth (m)**
2701	**Topsoil:** Dark brown silty sand.	0- 0.3m
2702	**Natural:** Blue/black coal shale.	0.3m+
2703	**Natural:** Silver/grey clay forming mudstone.	0.3- 0.45m
2704	**Natural:** Orange red clay 5% sandstone.	0.3- 0.45m
2705	**Land Drain**	0.3m+
2706	**Natural:** Light orange brown sand with shale.	0.4- 0.5m+

Trench No. 28		Max depth: 0.5m
Context	**Description**	**Depth (m)**
2801	**Topsoil:** Mid brown silt loam.	0- 0.3m
2802	**Natural:** Yellow orange clay 5% sandstone <3cm	0.3m+
2803	**Natural:** Sandstone.	0.3m+
2804	**Natural:** Silver yellow clay 2% sandstone <2cm	0.3m+
2805	**Natural:** Silver yellow clay >50% sandstone <6cm	0.3m+
2806	**Natural:** Mid-light brown clay <5% sandstone and coal <3cm	0.3m+

Trench No. 29		Max depth: 0.5m
Context	**Description**	**Depth (m)**
2900	**Topsoil:** Mid-brown clayey silt.	0- 0.5m
2901	**Natural:** Brownish yellow silt clay.	0.5m+
2902	**Furrow:** Example of furrow. >2m wide running north-south at 5m centres.	0.5m+
2903	**Fill:** Fill of **2902**. Typical furrow fill. Greasy brown clay with roots.	0.5m+
2904	**Cut:** North-south linear at northeast end of the trench. Modern. 2.4m wide, on edge of furrow.	0.5m+
2905	**Fill:** Fill of **2904**. 1950s opencast style backfill. Blue-brown clay with 2% stone frags, machine brick, coal etc.	0.5m+

Trench No. 30		Max depth: 0.3m
Context	**Description**	**Depth (m)**
3001	**Topsoil:** Mid brown clayey silt.	0- 0.3m
3002	**Natural:** Yellow silt clay.	0.3m+

Trench No. 31		Max depth: 0.3m
Context	**Description**	**Depth (m)**
3100	**Topsoil:** Mid-brown loamy silt.	0- 0.3m
3101	**Natural:** Yellow clay with plough scars north-south.	0.3m+
3102	**Natural:** Blue-black shale coal in south 0.4m of trench.	0.3m+
3103	**Layer:** Opencast backfill. Yellow-brown clay with mixed topsoil, blue-black shaley coal and red silt clay patches.	0.3m+
3104	**Furrow:** Example of furrow. N-S following trench. Width unknown.	0.3m+
3104	**Fill:** Fill of **3104**. Typical furrow fill. Greasy brown clay with roots.	0.3m+

Trench No. 32		Max depth: 0.48m
Context	**Description**	**Depth (m)**
3201	**Topsoil:** Dark blackish brown silty clay.	0- 0.39m
3202	**Natural:** Light yellowish brown sandy clay.	0.39- 0.48m+
3203	**Furrow:** Example of furrow. North-south across trench. 5-6m width. Approx 11m centres.	0.48m+
3204	**Fill:** Fill of **3203**. Typical furrow fill. Greasy brown clay with roots.	0.48m+

Trench No. 33		Max depth: 1.12m
Context	**Description**	**Depth (m)**
3300	**Topsoil:** Dark brown clay silt.	0- 0.4m
3301	**Natural:** Yellow clay.	0.4m+
3302	**Furrows:** Two furrows. North-south running with trench. 1m wide.	0.4m+
3303	**Fill:** Fill of **3302**. Typical furrow fill. Yellowish mid brown greasy clay with roots and coal.	0.4m+
3304	**Cut:** Wide 'V'-shaped ditch running northeast-southwest. Field boundary.	0.4- 1.12m
3305	**Fill:** Upper fill of **3304**. Dark orangey brown sandy clay with sandstone, ?modern pot and modern glass.	0.4- 0.83m
3306	**Fill:** Lower fill of **3304.** Dark grey clay with frequent sandstone and possible burnt material or degraded roots. Water-lain.	0.83- 1.12m
3307	**Subsoil:** Light greyish brown silty sand with coal flecks.	0.3- 0.4m

Trench No. 34		Max depth: 1.12m
Context	**Description**	**Depth (m)**
3400	**Topsoil:** Dark brown silty clay.	0- 0.8m Max.
3401	**Layer:** Overburden – opencast backfill-style material spread over southwest end of trench. Medium brown slightly silty clay with fragments of yellow and red sandstone.	0.6m- 0.8m
3402	**Furrow:** Example of furrow. 1.6m wide. Northwest-southeast running with trench. Seen at southwest end of trench.	0.4m+
3403	**Fill:** Fill of **3402**. Typical furrow fill. Yellowish mid brown greasy clay with roots and coal.	0.4m+
3404	**Cut:** Field drain.	0.5m+
3405	**Fill:** Field drain.	0.5m+
3406	**Cut**: Number assigned to natural geological feature. Sub-oval shallow scoop.	0.8m+
3407	**Fill:** Fill of **3406**. Naturally deposited material. Mottled tan yellow clay with a thin lens of white clay. Compact.	0.8m+
3408	**Layer:** Red silty sand below **3401**. Possibly natural; possibly associated with opencast backfill.	0.5m+
3409	**Natural:** Yellow clay with bands of outcropping sandstone.	0.4m+

Trench No. 100		Max depth: 0m
Context	**Description**	**Depth (m)**
	Not dug on permission of Rebecca Remmer during site visit 2/9/13	-

Trench No. 101		Max depth: 0.95m
Context	**Description**	**Depth (m)**
10101	**Topsoil:** Mid greyish brown silty sand.	0- 0.2m
10102	**Natural:** Light orangish yellow clay.	0.2m+
10103	**Natural:** Sandstone bedrock.	0.48m+

Trench No. 102		Max depth: 0.4m
Context	**Description**	**Depth (m)**
10200	**Topsoil:** Mid brown clayey silt. No finds.	0- 0.3m
10200	**Natural:** Yellow/grey clays and silty clays.	0.3m+

Trench No. 103		Max depth: 0.7m
Context	**Description**	**Depth (m)**
10301	**Topsoil:** Mid greyish brown silty sand.	0- 0.2m
10302	**Subsoil:** Possible colluvium. Mid orangish brown clay, mottled in appearance, accumulated at southern extent of slope.	0.2- 0.7m
10303	**Natural:** Light greyish white clay containing very frequent pellets of mid reddish orange clay.	0.7m+

Trench No. 104		Max depth: 0.7m
Context	**Description**	**Depth (m)**
10400	**Topsoil:** Mid brown silty clay.	0- 0.3m Typical, 0.6m max.
10401	**Fill:** Fill of **10402**. Typical furrow fill. Greasy brown clay with roots.	0.3m
10402	**Furrows:** Three furrows. Southeast-northwest across trench.	0.7m+
10403	**Subsoil:** Possible colluvium seen in north 10m of trench. Yellow clay, easily distinguished from natural.	0.3- 0.4m
10404	**Natural:** Coal seam. Very low quality coal mixed with yellow clay.	0.4m+

Trench No. 105		Max depth: 0.4m
Context	**Description**	**Depth (m)**
10500	**Topsoil:** Mid brown clayey silt.	0- 0.3m
10501	**Fill:** Fill of **10502**. Typical furrow fill. Greasy mid yellow-brown clay with roots.	0.3m
10502	**Furrows:** Two furrows. North-south across trench.	0.3m+
10503	**Natural:** Yellow clay.	0.3- 0.4m

Trench No. 106		Max depth: 0.6m
Context	**Description**	**Depth (m)**
10600	**Topsoil:** Mid brown clayey silt.	0- 0.25m
10601	**Layer:** Opencast backfill. Mixed redeposited natural and blue-brown shales and coals with clear bulldozer marks.	0.25- 0.6m
10602	**Cut:** Modern borehole.	0.25m+

Trench No. 107		Max depth: 0.25m
Context	**Description**	**Depth (m)**
10700	**Topsoil:** Mid brown clayey silt.	0- 0.25m
10701	**Natural:** Yellow-orange clay. 20% stones.	0.25m+

Trench No. 108		Max depth: 0.36m
Context	**Description**	**Depth (m)**
10801	**Topsoil:** Mid brown clayey silt.	0- 0.3m
10802	**Subsoil:** Mid orangish brown silty sand.	0.3- 0.36m
10803	**Natural:** Mid-light yellowish brown silty sand.	0.36m+

Trench No. 109		Max depth: 0.62m
Context	**Description**	**Depth (m)**
10901	**Topsoil:** Mid greyish brown sandy silt loam.	0- 0.28m
10902	**Natural:** Yellowish brown clay with infrequent outcropping sand and ironstone.	0.28m+
10903	**Cut:** Northwest-southeast linear feature. Modern land drain.	0.28- 0.62m+
10904	**Land Drain:** In **10903**.	0.62m
10905	**Fill:** Fill of **10903**. Mixed backfill in base of **10904** consisting of redeposited natural and topsoil.	0.41- 0.62m+
10906	**Fill**: Dark laminations above **10905** sat in shallow “U”. Water derived.	0.28- 0.49m

Trench No. 110		Max depth: 0.62m
Context	**Description**	**Depth (m)**
11000	**Topsoil:** Mid brown silty clay.	0- 0.25m
11001	**Natural:** Yellow clay, 5% stone.	0.25- 0.4m+
11002	**Cut:** Modern core sample borehole.	0.25m+

Trench No. 111		Max depth: 0.25m
Context	**Description**	**Depth (m)**
11100	**Topsoil:** Mid brown silty clay.	0- 0.25m
11101	**Natural:** Yellow brown clay.	0.25m+

Trench No. 112		Max depth: 0.64m
Context	**Description**	**Depth (m)**
11200	**Topsoil:** Mid greyish brown sandy clay loam.	0- 0.4m
11201	**Subsoil:** Mid orangey brown sandy clay.	0.4- 0.64m+
11202	**Furrow:** Example of furrow. Northwest-southeast at 5m intervals across trench. Typically 4m in width. Filled with subsoil **11201**.	0.64+
11203	**Natural:** Mix of ironstone and sandstone.	0.64m+

Trench No. 113		Max depth: 0.41m
Context	**Description**	**Depth (m)**
11300	**Topsoil:** Mid brown silty clay.	0- 0.31m
11301	**Natural:** Yellow-brown clay.	0.4- 0.64m+
11302	**Furrow:** Example of furrow. Two furrows are present in this trench The eastern furrow continues into **Trench 114**. 3m wide, 5m centres.	0.41m+
11303	**Fill:** Fill of **11302**. Typical furrow fill. Greasy mid yellow-brown clay with roots.	0.41m+
11304	**Natural:** Coal seam in centre of trench.	0.41m+

Trench No. 114		Max depth: 0.38m
Context	**Description**	**Depth (m)**
11400	**Topsoil:** Mid brown clayey silt.	0- 0.38m
11401	**Natural:** Yellow-brown clay.	0.38m+
11402	**Furrow:** Example of furrow. East-west across trench. Typically 2m wide at 6m centres, but decreasing in size to south and eventually petering out halfway down trench.	0.38m+
11403	**Fill:** Fill of **11402**. Typical furrow fill. Greasy mid yellow-brown clay with roots.	0.38m+

Trench No. 115		Max depth: 0.3m
Context	**Description**	**Depth (m)**
11500	**Topsoil:** Mid brown silty clay	0- 0.3m
11501	**Natural:** Yellow-brown clay	0.3m+

Trench No. 116		Max depth: 0.32m
Context	**Description**	**Depth (m)**
11600	**Topsoil:** Mid grey clayey silt. Friable.	0- 0.32m
11601	**Natural:** Yellow-brown clay.	0.32m+
11602	**Cut:** Gully. Straight sides with flat base – did not penetrate bedrock. Undated.	0.32- 0.54m
11603	**Fill:** Fill of **11602**. Secondary fill of gully. Light reddish brown silty sand with rare small stones.	0.32- 0.54m
11604	**Furrow:** Example of furrow. Cuts gully **11602**. N-S across trench. Typically 1.09m wide at 6m centres. Harder to spot to the west, but still present.	0.32- 0.54m
11605	**Fill:** Fill of **11604**. Typical furrow fill. Greasy mid yellow-brown clay with roots.	0.32- 0.54m
11606	**Natural:** Sandstone bedrock.	0.54m+

Trench No. 117		Max depth: 0.38m
Context	**Description**	**Depth (m)**
11701	**Topsoil:** Sandy clayish silt dark greyish brown with 1% stone <0.3m.	0- 0.38m
11702	**Layer:** Opencast backfill – mixed mostly yellowish grey sandy clay with some patches of silty clay – mid brownish grey.	0.38m+
11703	**Natural:** Grey yellow sandy clay with occasional shale patches.	0.38m+

Trench No. 118		Max depth: 0.5m
Context	**Description**	**Depth (m)**
11801	**Topsoil:** Dark brownish grey sandy clayish silt.	0- 0.2m
11802	**Subsoil:** Mid-brownish grey sandy clay.	0.2- 0.48m
11803	**Layer:** Opencast backfill. Dark brownish grey sandy clay with frequent large stone rubble and charcoal inclusions.	0.5m+

Trench No. 119		Max depth: 0.34m
Context	**Description**	**Depth (m)**
11901	**Topsoil:** Dark brownish grey sandy clayish silt. 1% sandstone.	0- 0.34m
11902	**Layer:** Opencast backfill. Mixed deposit mostly yellowish grey silty clay frequent stone <0.7m, mostly 0.2m and occasional charcoal and rubble.	0.34m

Trench No. 120		Max depth: 0.4m
Context	**Description**	**Depth (m)**
12001	**Topsoil:** Dark brownish grey sandy clayish silt.	0- 0.3m
12002	**Natural:** Mid greyish yellow sandy clay.	0.3m+
12003	**Layer:** Opencast backfill. Mixed mid greyish brown material in north side of trench.	0.3m+

Trench No. 121		Max depth: 0.68m
Context	**Description**	**Depth (m)**
12101	**Topsoil:** Very dark brownish grey clayish silt stained by coal dust and high levels of coal inclusions.	0- 0.68m
12102	**Natural:** Pale greyish yellow sandy clay.	0.68m+

Trench No. 122		Max depth: 0.44m
Context	**Description**	**Depth (m)**
12201	**Topsoil:** Dark brownish grey sandy clayish silt.	0- 0.31m
12202	**Layer:** Opencast mine backfill/dirty natural – mixed deposit mostly mid yellowish grey sandy clay with stone, coal and brick fragments.	0.31- 0.44m+
12203	**Natural:** Mid greyish yellow sandy clay with occasional stone fragments.	0.31- 0.44m+

Trench No. 123		Max depth: 0.25m
Context	**Description**	**Depth (m)**
12301	**Topsoil:** Dark brown silty sand.	0- 0.25m
12302	**Natural:** Yellowish grey clay.	0.31- 0.25m+
12303	**Furrow:** Example of furrow. North-south across trench. 1m wide, 6m centres.	0.25m+
12304	**Fill:** Fill of **12503**. Typical furrow fill. Greasy mid-brown clay with roots.	0.25m+

Trench No. 124		Max depth: 0.45m
Context	**Description**	**Depth (m)**
12401	**Topsoil:** Dark brown silty sand.	0- 0.45m
12402	**Natural:** Yellowish clay.	0.45m+

Trench No. 125		Max depth: 0.25m
Context	**Description**	**Depth (m)**
12500	**Topsoil:** Dark brown clayey silt.	0- 0.25m
12501	**Natural:** Yellow-clay.	0.25m+
12502	**Furrow:** Example of furrow. North-south across trench. Typically 2m wide at 6m centres.	0.25m+
12503	**Fill:** Fill of **12502**. Typical furrow fill. Greasy mid yellow-brown clay with roots.	0.25m+

Trench No. 126		Max depth: 0.3m
Context	**Description**	**Depth (m)**
12600	**Topsoil:** Mid-brown clayey silt.	0- 0.3m
12601	**Natural:** Yellow-clay.	0.3m+
12602	**Furrow:** Example of furrow. NW-SE across trench. Typically 1m wide at 5m centres.	0.3m+
12603	**Fill:** Fill of **12602**. Typical furrow fill. Greasy mid orange-brown clay with roots.	0.3m+
12604	**Natural**: Coal seam. Irregular patch of blue black shale/coal. 3m wide.	0.3m+

Trench No. 127		Max depth: 0.43m
Context	**Description**	**Depth (m)**
12700	**Topsoil:** Dark blackish brown silty sand.	0- 0.36m
12701	**Natural:** Yellow-clay.	0.36- 0.43m+
12702	**Furrow:** Example of furrow. N-S across trench. Typically 1m wide at 6m centres.	0.36m+
12703	**Fill:** Fill of **12702**. Typical furrow fill. Greasy mid orange-brown clay with roots.	0.36m+
12704	**Natural**: Coal seam. Irregular patch of blue black shale/coal. 3m wide.	0.36m+

Trench No. 128		Max depth: 0.34m
Context	**Description**	**Depth (m)**
12801	**Topsoil:** Dark blackish brown silty sand.	0- 0.28m
12802	**Natural:** Light yellowish brown clay.	0.28- 0.34m+
12803	**Furrow:** Running lengthways with trench. Typically 2m wide.	0.28m+
12804	**Fill:** Fill of **12802**. Typical furrow fill. Greasy mid brown silty clay with 2% coal.	0.28m+
12805	**Natural**: Mudstone outcrops.	0.28m+
12806	**Cut:** Bell pit. 1.7m Diameter. Auger no. 1.	0.28m- 1.2m+
12807	**Fill:** fill of **12806**. Yellow-brown clayey silt with 5% coal.	0.28m- 1.2m+

Trench No. 129		Max depth: 0.36m
Context	**Description**	**Depth (m)**
12901	**Topsoil:** Mid brown silty loam.	0- 0.25m
12902	**Furrow:** 2m wide, N-S across trench, 6m centres.	0.25m+
12903	**Natural:** Orange-yellow clay with 4% sandstone <5cm.	0.25- 0.36m+
12904	**Natural**: Blue/black shale coal.	0.28m+
12905	**Fill:** Fill of **12902**. Typical furrow fill. Greasy dark grey loamy clay with 5-10% coal etc.	0.25m+

Trench No. 130		Max depth: 0.36m
Context	**Description**	**Depth (m)**
13001	**Topsoil:** Mid brown silty loam.	0- 0.3m
13002	**Natural:** Light yellow clay.	0.3m+
13003	**Furrow:** North-south across trench. 1m wide, 6m centres.	0.3m+
13004	**Fill:** Fill of **13003**. Typical furrow fill. Grey brown silty clay.	0.3m+
13005	**Cut:** Bell pit. 1.7m diameter. Unexcavated. Auger no. 2.	0.3- 4.6m
13006	**Fill:** Fill of **13005**. Blue black shale coal.	0.3- 1.95m
13007	**Layer:** Opencast backfill seen at west end of trench. Mixed yellow brown clay.	0.3m+

Trench No. 131		Max depth: 0.45m
Context	**Description**	**Depth (m)**
13101	**Topsoil:** Mid brown silty clay.	0- 0.3m
13102	**Natural:** Light yellow clay.	0.3m+
13103	**Fill:** Fill of **13104**. Blue-black shale/coal with sandstone 2% <15cm diameter.	0.3m+
13104	**Cut:** Bell pit. 1.7m diameter. Sub-rounded. Auger no. 4.	0.3m- 1.25m+
13105	**Furrow:** North-south across trench. 2m wide, 6m centres.	0.3m- 1.25m+
13106	**Fill:** Fill of **13105.** Typical furrow fill: orange brown silty clay 2% inclusions of sandstone and clinker <5cm.	0.3m+
13107	**Natural**: Blue/black shale coal.	0.3m+

Trench No. 132		Max depth: 0.35m
Context	**Description**	**Depth (m)**
13200	**Topsoil:** Dark brown silty sand.	0- 0.35m
13201	**Natural:** Yellow clay.	0.35m+
13202	**Cut:** Bell pit. 1.7m diameter. Auger no. 5.	0.35m- 3.35m
13203	**Fill:** Fill of **13202**. Blue black shale coal, mudstone and grey clay mixed.	0.35m- 2.65m
13204	**VOID**	0.35m+
13205	**Fill:** Fill of **13202.** Grey brown sandy silt at centre of **13203**. Diameter 1m.	0.35m+
13206	**Furrow**: North-south running along trench. 1 seen. About 2m wide.	0.35m+
13207	**Fill:** Typical furrow fill. Mid brown silty clay <5% sandstone and coal <1cm.	0.35m+
13208	**Natural:** Mudstone outcrops.	0.35m+

Trench No. 133		Max depth: 0.3m
Context	**Description**	**Depth (m)**
13301	**Topsoil:** Dark brown clay silt.	0- 0.3m
13302	**Fill:** Light brown silt clay <5% sandstone and coal.	0.3m+
13303	**Furrow:** North-south across trench. 0.8m wide, 6m centres.	0.3m+
13304	**Natural:** Silver grey clay <5% coal <2cm.	0.3m+
13305	**Natural:** Mudstone outcrops.	0.3m+

Trench No. 134		Max depth: 0.3m
Context	**Description**	**Depth (m)**
13401	**Topsoil:** Dark brown clay silt.	0- 0.3m
13402	**Natural:** Yellow brown clay silt.	0.3m+

Trench No. 135		Max depth: 0.3m
Context	**Description**	**Depth (m)**
13501	**Topsoil:** Dark greyish brown sandy clay.	0- 0.3m
13502	**Natural:** Mid orangish grey sandy clay matrix around sandstone.	0.3m+
13503	**Cut:** Shallow 'U'-shaped ditch. Modern; not fully excavated. Steep sides, concave base.	0.3m+
13504	**Fill:** fill of **13503**. Modern pot and glass. Dark blackish grey sandy clay. Not fully excavated.	0.3m+

Trench No. 136		Max depth: 0.3m
Context	**Description**	**Depth (m)**
13501	**Topsoil:** Dark greyish brown sandy silt.	0- 0.3m
13502	**Subsoil:** Mid brown sand and mixed sandstone inclusions.	0.3m+
13503	**Natural:** Mid orangish brown silty sand.	0.3m+
13504	**Furrow:** North-south across trench. 9m spacing, 0.8m wide. Five examples. Sixth example with 4.5m spacing, none in west end.	0.3m+
13505	**Fill:** Typical furrow fill. Greasy brown clay with roots.	0.3m+

Trench No. 137		Max depth: 0.3m
Context	**Description**	**Depth (m)**
13701	**Topsoil:** Mid brown silty loam.	0.3m+
13702	**Natural:** Silver grey clay with <5% sandstone.	0.3m+
13703	**Natural:** Mudstone outcrops.	0.3m+
13704	**Fill**: fill of **13707**. Light brown sandy silt <5% sandstone.	0.3m+
13705	**Natural:** Blue black coal shale.	0.3m+
13706	**Natural:** Silver yellow clay.	0.3m+
13707	**Furrow:** Northwest-southeast across trench. 1m wide, 6m centres.	0.3m+
13708	**Natural:** Mid yellow clay.	0.3m+

Trench No. 138		Max depth: 0.3m
Context	**Description**	**Depth (m)**
13801	**Topsoil:** Dark blackish brown silty sand.	0- 0.3m
13802	**Natural:** Mid yellowish brown silty sand. Clay content increases towards east.	0.3m+
13803	**Furrow:** Ten in west end, nine in east end, gap of 25m in middle. 0.8m wide, 5m centres. North-south across trench.	0.3m+
13804	**Fill:** Typical furrow fill. Greasy brown clay with roots.	0.3m+

Trench No. 139		Max depth: 0.3m
Context	**Description**	**Depth (m)**
13901	**Topsoil:** Mid brown silty loam.	0- 0.3m
13902	**Natural:** Mid yellow clay <5% sandstone.	0.3m+
13903	**Natural:** Mudstone outcrops.	0.3m+
13904	**Natural:** Blue black coal shale.	0.3m+
13905	**Natural:** Silver grey clay with mudstone.	0.3m+
13906	**Natural:** Orange sandstone.	0.3m+
13907	**Furrow:** East-west across trench. 1m wide, 6m centres.	0.3m+
13908	**Fill:** Fill of **13906**. Mid-light brown sandy clay <5% sandstone <2cm, <2% coal <1cm.	0.3m+

Trench No. 140		Max depth: 0.3m
Context	**Description**	**Depth (m)**
14001	**Topsoil:** Dark greyish brown silty sand.	0- 0.3m
14002	**Natural:** Light yellowish grey clay with ironstone outcrops.	0.3m+
14003	**Furrow:** North-south across trench. 0.8m wide, 4.5m centres. 9 seen in west half of trench only.	0.3m+
14004	**Fill:** Typical furrow fill. Greasy brown clay with roots.	0.3m+

Trench No. 141		Max depth: 0.3m
Context	**Description**	**Depth (m)**
14001	**Topsoil:** Dark greyish brown silty sand.	0- 0.3m
14002	**Natural:** Light yellowish grey clay with sandstone outcrops.	0.3m+
14003	**Furrow:** 24 furrows. Aligned north-south across trench. 0.4-1.2m wide, 4.5m centres.	0.3m+
14004	**Fill:** Typical furrow fill. Greasy brown clay with roots.	0.3m+

Trench No. 142		Max depth: 0.35m
Context	**Description**	**Depth (m)**
14201	**Topsoil:** Mid brown silty loam.	0- 0.35m
14202	**Natural:** Mid yellow clay <5% sandstone.	0.35m+
14203	**Natural:** Mudstone outcrops.	0.35m+
14204	**Natural:** Blue black coal shale.	0.35m+
14205	**Natural:** Silver yellow clay.	0.35m+
14206	**Natural:** Orange brown mudstone.	0.35m+

Trench No. 143		Max depth: 0.3m
Context	**Description**	**Depth (m)**
14300	**Topsoil:** Dark brown clayey silt.	0- 0.3m
14301	**Natural:** Yellow, purplish in places, clay with patches of coal.	0.3m+
14302	**Furrow:** North-south c. 0.8m wide, 4.4m centres.	0.3m+
14303	**Fill:** Typical furrow fill. Greasy brown clay with roots.	0.3m+
14304	**Natural:** Coal seam in east of trench southwest-northeast consisting of blue/black coal abd silver grey clay.	0.3m+

Trench No. 144		Max depth: 0.3m
Context	**Description**	**Depth (m)**
14401	**Topsoil:** Dark blackish brown sandy silt.	0- 0.3m
14402	**Natural:** Light-mid yellowish brown silty sand with 40-100% bedrock.	0.3m+
14403	**Furrow:** Oblique across trench. Aligned north-south. 0.8m wide 4m centres.	0.3m+
14404	**Fill:** Typical furrow fill. Grey clay with roots.	0.3m+
14405	**Natural:** Coal seams – blue black coal grit bands.	0.3m+

Trench No. 145		Max depth: 0.33m
Context	**Description**	**Depth (m)**
14501	**Topsoil:** Dark blackish brown sandy silt.	0- 0.26m
14502	**Natural:** Mid orangish yellow sandy clay.	0.26- 0.33m+
14503	**Furrow:** Northwest-southeast across trench. 1m wide, 6m centres.	0.3m+
14504	**Fill:** Typical furrow fill. Light brown silty sand fill.	0.3m+
14505	**Fill:** Bands of fill within each furrow to the east of the main fill. Dark brown clay silt.	0.3m+

Trench No. 146		Max depth: 0.3m
Context	**Description**	Depth (m)
14600	**Topsoil:** Dark brown clay silt.	0- 0.3m
14601	**Natural:** Yellow clay with sandstone.	0.3m+
14602	**Furrow:** Aligned north-south along trench c.4m. Two furrows identified.	0.3m+
14603	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.3m+

Trench No. 147		Max depth: 0.3m
Context	**Description**	Depth (m)
14701	**Topsoil:** Dark blackish brown silty sand.	0- 0.3m
14702	**Natural:** Mid yellowish brown sandy clay.	0.3m+
14703	**Cut:** Modern borehole. Auger no. 3.	0.3- 2.75m+
14704	**Fill**: Fill of modern borehole **14703**. Topsoil fallen into hole.	0.3- 2.75m+
14705	**Furrow:** One furrow. Aligned north-south along trench c.5m wide.	0.3m+
14706	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.3m+
14707	**Natural:** Coal seam and associated grey/brown patch in natural.	0.3m+

Trench No. 148		Max depth: 0.3m
Context	**Description**	Depth (m)
14800	**Topsoil:** Dark brown clayey silt.	0- 0.3m
14801	**Natural:** Yellow clay.	0.3m+
14802	**Furrow:** Perpendicular headland at end of furrows. East-west with trench 5m wide.	0.3m+
14803	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.3m+
14804	**Furrow:** North-south along trench c.1m wide, 5m centeres.	0.3m+
14805	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.3m+
14806	**Natural:** Silver and blue black patch of clay outcropping 15m at centre of trench.	0.3m+

Trench No. 149		Max depth: 0.3m
Context	**Description**	Depth (m)
14901	**Topsoil:** Mid brown silty loam.	0- 0.3m
14902	**Natural:** Light yellow clay with <2% sandstone <2cm.	0.3m+
14903	**Natural:** Mudstone.	0.3m+
14904	**Natural:** Silver yellow clay with ferrous mudstone.	0.3m+
14905	**Natural:** Blue black coal shale.	0.3m+
14906	**Natural:** Silver grey clay.	0.3m+
14907	**Cut**: French drain.	0.3m+
14908	**Fill**: Fill of **14908**. Land drain – loose clinker and brick rubble.	0.3m+

Trench No. 150		Max depth: 0.3m
Context	**Description**	Depth (m)
15001	**Topsoil:** Mid brown loamy silt.	0- 0.3m
15002	**Natural:** Light yellow clay with <2% sandstone <3cm.	0.3m+
15003	**Cut:** French drain N-S.	0.3m+
15004	**Fill:** Fill of **15003**. Loose clinker c.5cm diameter with occasional brick.	0.3m+
15005	**Natural:** Mudstone.	0.3m+
15006	**Natural:** Light brown clay.	0.3m+
15007	**Natural**: Blue/black coaly clay/mudstone.	0.3m+
15008	**Natural:** Silver grey clay.	0.3m+
15009	**Natural:** Grey brown clay.	0.3m+

Trench No. 151		Max depth: 0.3m
Context	**Description**	Depth (m)
15101	**Topsoil:** Mid brown silty loam.	0- 0.3m
15102	**Natural:** Blue black shale coal.	0.3m+
15103	**Natural:** Silver grey mudstone/clay.	0.3m+
15104	**Natural:** Light yellow clay with 2% mudstone.	0.3m+
15105	**Natural:** Mudstone.	0.3m+
15106	**Cut:** Land drain 9cm wide.	0.3m+
15107	**Fill:** Fill of **15106** loose clinker and brick fragments <6cm.	0.3m+
15108	**Natural:** Light-mid brown clay with coal and sandstone <5cm.	0.3m+

Trench No. 152		Max depth: 0.4m
Context	**Description**	Depth (m)
15201	**Topsoil:** Dark greyish brown clay.	0- 0.4m
15202	**Natural:** Light greyish yellow clay.	0.4m+
15203	**Cut:** Curvilinear gully, possibly ring gully. 0.26m deep by 0.62m wide with irregular base.	0.4m+
15204	**Fill:** Fill of **15203.** Mid yellowish grey sandy clay with frequent red sandstone. No finds.	0.4m+
15205	**Furrow:** Aligned north-south along trench. 0.64m wide with straight sides and irregular base. 0.8m deep. Cuts **15203**.	0.4m+
15206	**Fill:** Typical furrow fill. Mid yellowish brown sandy clay with frequent small coal fragments <0.5cm.	0.4m+

Trench No. 153		Max depth: 0.29m
Context	**Description**	Depth (m)
15300	**Topsoil:** Dark brown sandy silt.	0- 0.23m
15301	**Natural:** Light orangey brown sandy clay.	0.23- 0.29m+
15302	**Furrow:** One furrow aligned north-south with trench. 1m wide.	0.23m+
15303	**Fill:** Fill of **15302**. Typical furrow fill. Mid brown greasy clay with roots.	0.23m+
15304	**Fill:** Fill of **15302**. Unusual upper fill of furrow – compact ashy dark brown silt with modern pot.	0.23m+
15305	**Cut:** Modern geotechnical borehole (no fill – contains void).	0.23m+
15306	**Cut:** East-west aligned gully or atypical furrow. 0.12m deep, 0.35m wide.	0.23m+
15307	**Fill**: Fill of **15306**. Grey brown greasy clay.	0.23m+

Trench No. 155		Max depth: 0.35m
Context	**Description**	Depth (m)
15401	**Topsoil:** Dark blackish brown silty sand.	0- 0.3m
15402	**Natural:** Mid yellowish grey sandy clay.	0.3- 0.35m+
15403	**Furrow:** Faint. Southeast-northwest alignment along trench c.1.2m wide, 4m centres.	0.3m+
15404	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.3m+
15405	**Natural:** Sandstone outcrop in centre.	0.3m+

Trench No. 156		Max depth: 0.3m
Context	**Description**	Depth (m)
15600	**Topsoil:** Dark brown clayey silt.	0- 0.3m
15601	**Natural:** Yellow clay with 10% sandstone.	0.3m+
15602	**Natural:** Grey-yellow sandstone bedrock.	0.3m+
15603	**Furrow:** Two furrows in trench running north-south along trench c.10m wide.	0.3m+
15604	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.3m+
15605	**Cut:** Modern linear at southwest limit of furrow. 0.9m wide, 0.07m deep.	0.3m+
15606	**Fill:** Fill of **15605**. Ashy black fill with modern glass and pot.	0.3m+

Trench No. 157		Max depth: 0.32m
Context	**Description**	Depth (m)
15701	**Topsoil:** Dark blackish brown silty clay.	0- 0.32m
15702	**Subsoil:** Concentrated at west extent of trench. Lighter brown silt clay.	0.3- 0.35m+
15703	**Natural:** Light yellowish grey sandy clay.	0.3m+
15704	**Cut:** Bell pit. Sub-rounded, c. 1.8m diameter. Not excavated. Auger no. 6.	0.3- 2.1m+
15705	**Fill:** Fill of **15704**. Blue black coal shale and silt.	0.3- 2.1m+

Trench No. 158		Max depth: 0.42m
Context	**Description**	Depth (m)
15701	**Topsoil:** Blackish brown silty sand.	0- 0.32m
15702	**Natural:** Mid orangish brown sandy clay.	0.3- 0.35m+

Trench No. 159		Max depth: 0m
Context	**Description**	Depth (m)
	Not dug as within a plantation of osiers.	-

Trench No. 160		Max depth: 0m
Context	**Description**	Depth (m)
	Not dug as within a plantation of osiers.	-
Trench No. 161		Max depth: 0m
Context	Description	Depth (m)
	Not dug as within a plantation of osiers.	-

Trench No. 162		Max depth: 0.3m
Context	**Description**	Depth (m)
16201	**Topsoil:** Dark blackish brown silty sand.	0- 0.3m
16202	**Natural:** Mid orangish brown sandy clay.	0.3m+
16203	**Furrow:** One seen running east-west with trench >2m wide.	0.3m+
16204	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.3m+

Trench No. 163		Max depth: 0.4m
Context	**Description**	Depth (m)
16301	**Topsoil:** Dark brown clay silt with charcoal and roots.	0- 0.4m
16302	**Natural:** Yellow clay with coal. Contained a band of white clay that initially looked like a feature but that ran under the yellow clay on both sides.	0.4m+

Trench No. 164		Max depth: 0.4m
Context	**Description**	Depth (m)
16400	**Topsoil:** Dark brown clay silt.	0- 0.4m
16401	**Natural:** Yellow clay with gravel and coal.	0.4m+

Trench No. 165		Max depth: 0.6m
Context	**Description**	Depth (m)
16500	**Topsoil:** Dark brown silt clay with red sandstone inclusions.	0- 0.6m
16501	**Natural:** Mottled light brown sandy clay.	0.6m+

Trench No. 166		Max depth: 0.4m
Context	**Description**	Depth (m)
16600	**Topsoil:** Dark brown silty clay. Rooty.	0- 0.4m
16601	**Natural:** Yellow clay with coal.	0.4m+
16602	**Furrow:** East-west furrows 1m wide, 6m centres throughout trench.	0.4m+
16603	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.4m+
16604	**Natural:** Outcropping coal at southeast end of trench.	0.4m+

Trench No. 167		Max depth: 0.3m
Context	**Description**	Depth (m)
16700	**Topsoil:** Dark blackish brown sandy silt.	0- 0.3m
16701	**Natural:** Mid greyish yellow sandy clay. In middle and w part, rising to 100% sandstone in places.	0.3m+

Trench No. 168		Max depth: 0.3m
Context	**Description**	Depth (m)
16800	**Topsoil:** Dark blackish brown clay silt.	0- 0.3m
16801	**Natural:** Mid yellowish brown sandy clay with occasional sandstone/cobble inclusions.	0.3m+
16802	**Furrow:** Seen only in northern 2/3 of trench. Aligned east-west. Only 0.6m wide, 6m centres.	0.3m+
16803	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.3m+

Trench No. 169		Max depth: 0.38m
Context	**Description**	Depth (m)
16900	**Topsoil:** Dark brown silty clay.	0- 0.38m
16901	**Natural:** Predominantly yellow clay with bands of orange sandy clay and bedrock.	0.38m+
16902	**Furrow:** Northwest-southeast alignment. 1.4m wide, 5m apart.	0.38m+
16903	**Fill:** Typical furrow fill. Grey yellow silty clay with frequent coal inclusions and post-medieval ceramic.	0.38m+
16904	**Cut:** Linear cuts for field drains 0.4m wide.	0.38m+
16905	**Fill:** Fill of **16904**. Medium brown silty clay fill of field drains.	0.38m+

Trench No. 170		Max depth: 0.34m
Context	**Description**	Depth (m)
17000	**Topsoil:** Dark blackish brown silty clay.	0- 0.34m
17001	**Natural:** Mid reddish brown silty sand 50% sandstone rubble at surface of bedrock. Shale outcrop at mid point.	0.38m+
17002	**Furrow:** Aligned east-west. 1.5m wide, 3m spacing between them.	0.38m+
17003	**Fill:** Typical furrow fill. Mid brown greacy clay with roots.	0.38m+

Trench No. 171		Max depth: 0.2m
Context	**Description**	Depth (m)
17100	**Ploughsoil:** Yellow brown clay.	0- 0.2m
17101	**Natural:** Yellow clay natural with minor grey stripes.	0.2m+
17102	**Natural:** Coal seam and associated geology.	0.2m+

Trench No. 172		Max depth: 0.4m
Context	**Description**	Depth (m)
17200	**Topsoil:** Mid brown clay silt.	0- 0.4m
17201	**Natural:** Grey brown clay with 10% sandstone.	0.4m+
17202	**Furrow:** East-west variable width from 0.6-2m, 6m centres. Absent in far south of trench.	0.4m+
17203	**Fill:** Typical furrow fill. Mid brown greasy clay with roots.	0.4m+

Trench No. 173		Max depth: 0.3m
Context	**Description**	Depth (m)
17300	**Topsoil:** Mid greyish brown rooty sandy clay.	0- 0.3m
17301	**Natural:** Yellow clay.	0.4m+
17302	**Furrow:** East-west alignment with trench width of 2.2m, 6m centres.	0.4m+
17303	**Fill:** Typical furrow fill. Mid brown greasy clay silt with roots, lime, red sandstone and coal.	0.4m+

Trench No. 174		Max depth: 0.4m
Context	**Description**	Depth (m)
17400	**Topsoil:** Mid greyish brown rooty silty clay.	0- 0.4m
17401	**Natural:** Greyish yellow clay with coal and sandstone.	0.4m+
17402	**Furrow:** East-west with trench width 0.5m, 6m centres.	0.4m+
17403	**Fill:** Typical furrow fill. Mid brown greasy clay silt with roots, lime, red sandstone and coal.	0.4m+

Trench No. 175		Max depth: 0.4m
Context	**Description**	Depth (m)
17500	**Topsoil:** Dark brown clayey silt with roots.	0- 0.4m
17501	**Natural:** Yellow clay with coal.	0.4m+
17502	**Furrow:** One seen, running east-west with trench. Width 2m.	0.4m+
17503	**Fill:** Typical furrow fill. Mid brown silty clay with roots and sandstone.	0.4m+

Trench No. 176		Max depth: 0.4m
Context	**Description**	Depth (m)
17600	**Topsoil:** Dark greyish brown with roots.	0- 0.4m
17601	**Layer:** Opencast backfill. Mixed redeposited yellow clay with coal, gravel, patches of grey clay and other dirt.	0.4m+

Trench No. 177		Max depth: 0.8m
Context	**Description**	Depth (m)
17700	**Topsoil:** Dark greyish brown with roots.	0- 0.4m
17701	**Layer:** Spread of overburden. Opencast backfill material spread out to level up ground. Dirty brownish yellow clay with coal.	0.4- 0.8m
17703	**Natural:** Clean grey clay with coal.	0.8m+
17702	**Furrow:** Two seen, running east-west with trench. Width 1m.	0.8m+
17703	**Fill:** Typical furrow fill. Mid brown clayey silt with roots, lime and red sandstone.	0.8m+

Trench No. 178		Max depth: 0.4m
Context	**Description**	Depth (m)
17800	**Topsoil:** Dark brown silty clay.	0- 0.4m
17801	**Natural:** Yellow brown silty clay.	0.4m+
17802	**Furrow:** Two seen, running east-west with trench. Width 0.8m, 6m centres. Absent in middle of trench but present at both ends.	0.4m+
17803	**Fill: T**typical furrow fill. Mid brown clayey silt with roots, coal etc.	0.4m+
17804	**Cut:** Field drain.	0.4m+
17805	**Fill:** Field drain fill.	0.4m+
17806	**Cut:** 1.5m wide modern linear.	0.4m+
17807	**Fill:** Fill of **17806**. Black sandy clay fill containing frogged bricks with white cement stamped “Wilson Bro Normanton” dimensions 23cm x 11cm x 8cm.	0.4m+

Trench No. 179		Max depth: 0.3m
Context	**Description**	Depth (m)
17901	**Topsoil:** Grey brown silty clay.	0.3m+
17902	**Natural:** Dark brown clay with coal seen at W end of trench.	0.3m+
17903	**Cut:** French drain.	0.3m+
17904	**Fill:** Hardcore crush fill of french drain.	0.3m+
17905	**Natural:** Tan yellow clay with coal flecks. Seen at E end of trench.	0.3m+

Trench No. 180		Max depth: 0.46m
Context	**Description**	Depth (m)
18000	**Topsoil:** Dark black brown silty sand.	0- 0.45m
18001	**Furrow:** East-west across trench, 1m wide, 6m centres.	0.45m+
18002	**Fill:** Typical furrow fill. Mustard brown silty clay.	0.45m+
18003	**Cut:** French drain cut.	0.45m+
18004	**Fill:** Stone hardcore fill of french drains.	0.45m+
18005	**Subsoil:** Medium brown grey clay. Seen only in part of trench under grassland.	0.4- 0.45m+
18006	**Natural:** Yellow brown clay with bands of whitish grey blue clay at southern end mottled yellow and blue with coal fragments.	0.45m+

Trench No. 181		Max depth: 0.3m
Context	**Description**	Depth (m)
18100	**Topsoil:** Dark brownish grey clay.	0- 0.3m
18101	**Natural:** Mid greyish brown clay.	0.3m+

Trench No. 182		Max depth: 0.3m
Context	**Description**	Depth (m)
18200	**Topsoil:** Dark brown slightly silty clay with infrequent brick fragments.	0-0.4m
18201	**Natural:** Yellow clay mottled with blue/grey clay.	0.4m+

Trench No. 183		Max depth: 0.4m
Context	**Description**	Depth (m)
18300	**Topsoil:** Dark brown silty clay with roots.	0- 0.4m
18301	**Natural:** Greyish yellow clay with coal, ironstone and sandstone.	0.4m+
18302	**Furrow:** 0.6m width. North-south running along trench.	0.4m+
18303	**Fill:** typical furrow fill. Mustard brown silty clay.	0.4m+

Trench No. 184		Max depth: 0.46m
Context	**Description**	Depth (m)
18400	**Topsoil:** Medium brown silty clay.	0- 0.3m
18401	**Cut:** Hedgerow/hedge line following existing field boundary.	0.3m+
18402	**Fill:** Fill of **18401**. Mustard brown silty clay with coal.	0.3m+
18403	**Furrow:** 0.5m width, 6m centres. North-south running across trench.	0.3m+
18404	**Fill:** Typical furrow fill. Grey tan silty clay with coal.	0.3m+
18405	**Cut:** Field drain.	0.3m+
18406	**Fill:** Field drain fill.	0.3m+
18407	**Natural:** Mottled yellow tan clay with coal.	0.3m+

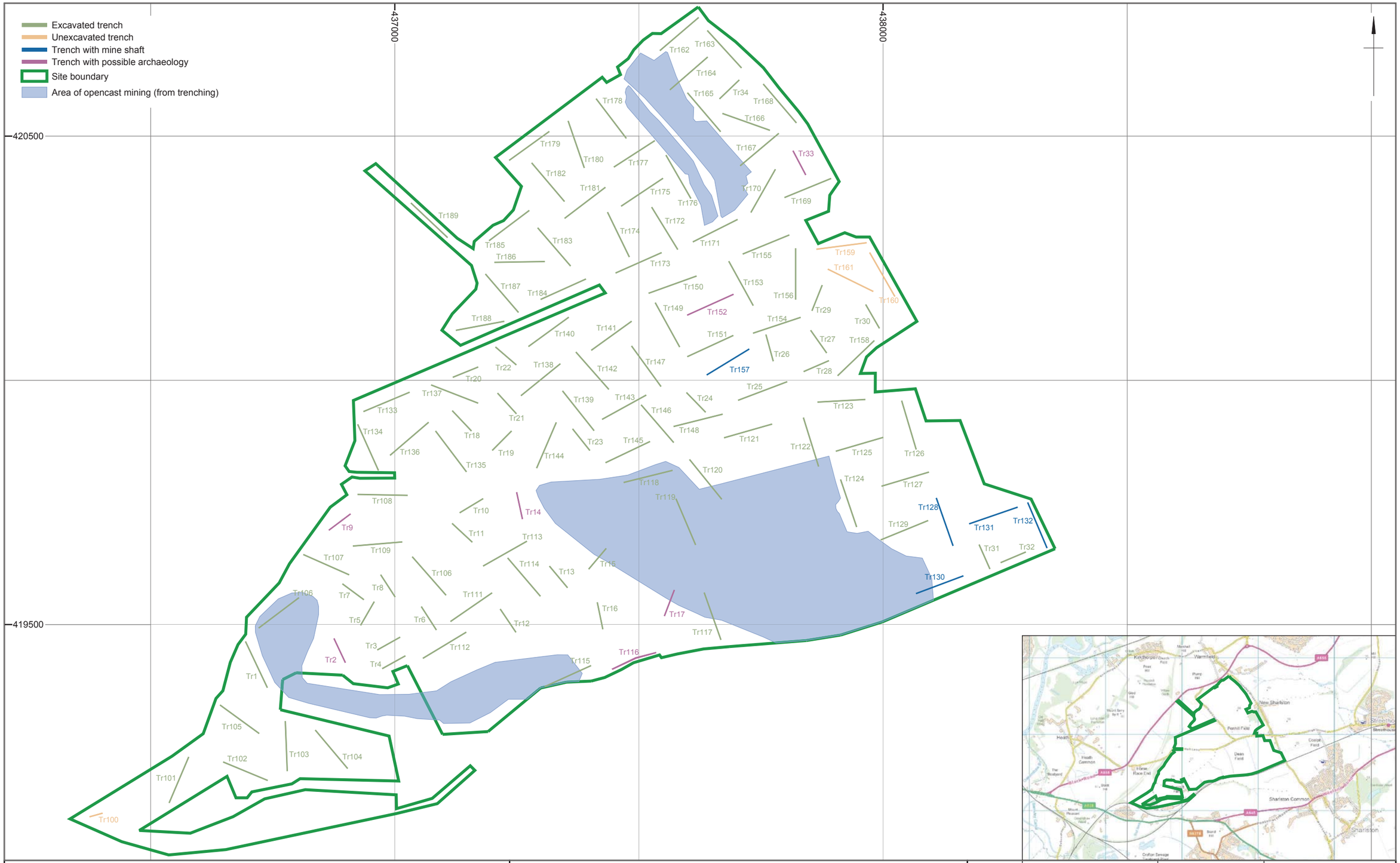
Trench No. 185		Max depth: 0.3m
Context	**Description**	Depth (m)
18500	**Topsoil:** Grey brown silty clay with brick frags and modern pot.	0- 0.3m
18501	**Furrow:** 0.9m width. North-south running across trench. One seen at east end of trench only.	0.3m+
18502	**Fill:** Typical furrow fill. Mid brown greasy clay with roots etc.	0.3m+
18503	**Natural:** Mottled yellow/blue grey clay.	0.3m+

Trench No. 186		Max depth: 0.3m
Context	**Description**	Depth (m)
18600	**Topsoil:** Dark brown silt clay.	0- 0.3m
18601	**Natural:** Yellow-brown clay. Yellower at southeast, browner at northwest.	0.3m+
18602	**Furrow:** 0.9m wide, 6m centres. North-south running across trench. Four seen at east end of trench only.	0.3m+
18603	**Fill:** Typical furrow fill. Mid brown greasy clay with roots etc.	0.3m+

Trench No. 187		Max depth: 0.3m
Context	**Description**	Depth (m)
18700	**Topsoil:** Medium brown slightly silty clay, brick and coal frags and modern pot.	0- 0.3m
18701	**Natural:** Yellow clay, coal frags, bands of brown yellow clay.	0.3m+

Trench No. 188		Max depth: 0.4m
Context	**Description**	Depth (m)
18800	**Topsoil:** Dark blackish brown clay silt.	0- 0.4m
18801	**Natural:** Yellow-brown clay. Yellower at southeast, browner at northwest.	0.4m+
18802	**Furrow:** 1m wide, 6.5m centres. North-south running across trench. Hard to see at west end but still present.	0.4m+
18803	**Fill:** Typical furrow fill. Mid brown greasy clay with roots etc.	0.4m+

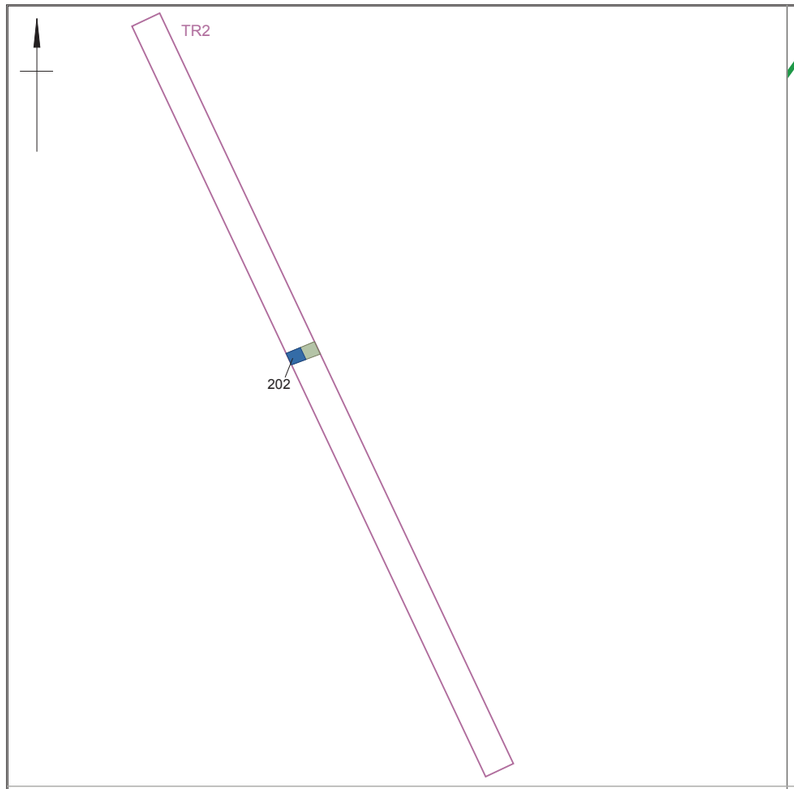
Trench No. 189		Max depth: 0.25m
Context	**Description**	Depth (m)
18900	**Topsoil:** Medium brown silty clay with brick frags, modern ceramic and glass.	0- 0.25m
18901	**Cut:** Field drain.	0.25m+
18902	**Fill:** Field drain fill.	0.25m+
18903	**Natural:** Yellow clay with mottled patches of blue grey clay.	0.25m+

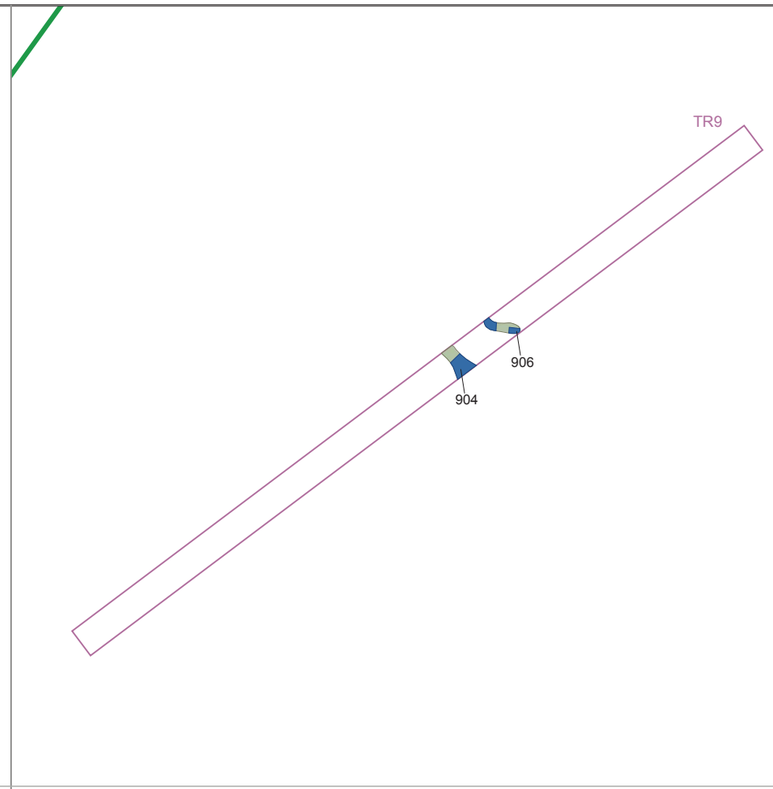


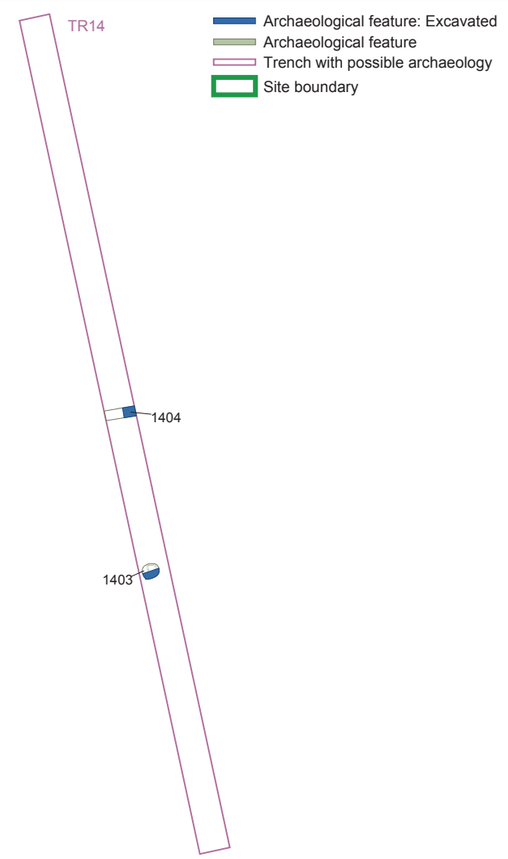
Date:	02/10/2013	Revision Number:	0
Scale:	1:750 @ A3	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03		

Site and trench location plan

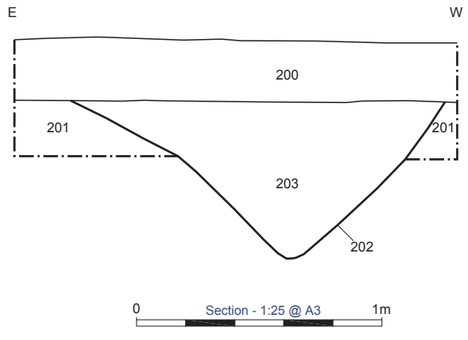
Figure 1

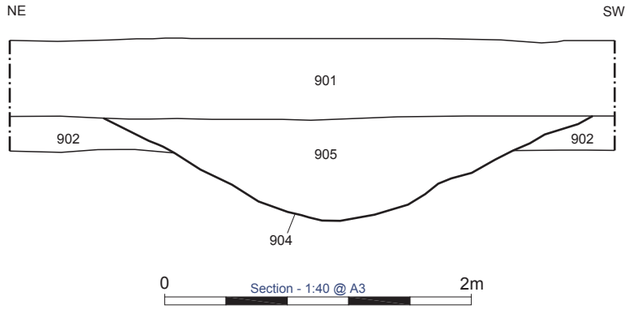


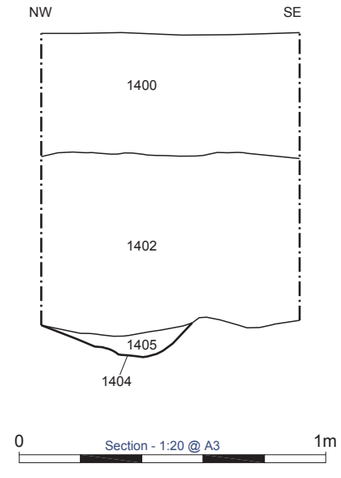




Archaeological feature: Excavated
Archaeological feature
Trench with possible archaeology
Site boundary



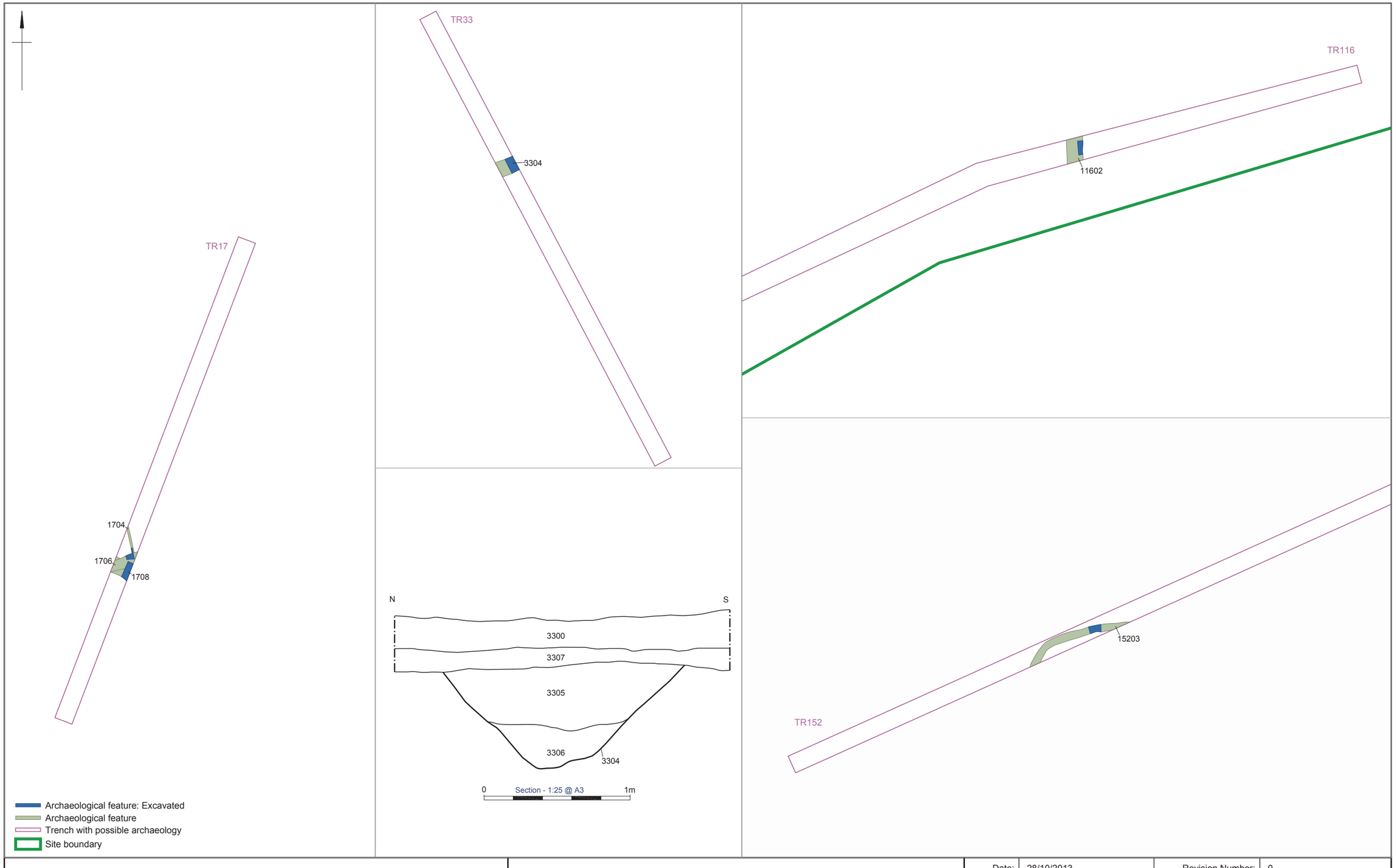




Date:	28/10/2013	Revision Number:	0
Scale:	Plan: 1:400 @ A3 Sections: Various	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03		

Trenches 2, 9 and 14: Plans and sections

Figure 2



Date:	28/10/2013	Revision Number:	0
Scale:	Plan: 1:400 @ A3 Sections: Various	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03		

Trenches 17, 33, 116 and 152: Plans and sections

Figure 3

Plate 1: Blank Trench 111, post-excavation

Plate 2: Trench 127, example of furrows, from east

Date:	27/03/2013	Revision Number:	0
Scale:	not to scale	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03\plates.cdr		

Plate 3: Trench 17 from the northeast, example of opencast backfill

Plate 4: Trench 130, example of early post-medieval shaft **13005**

Date:	27/03/2013	Revision Number:	0
Scale:	not to scale	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03\plates.cdr		

Plate 5: Trench 2, undated linear **202**

Plate 6: Trench 9, undated linear **904**

Date:	27/03/2013	Revision Number:	0
Scale:	not to scale	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03\plates.cdr		

Plate 7: Trench 9, undated linear **906**

Plate 8: Trench 14, undated linear **1404**

Date:	27/03/2013	Revision Number:	0
Scale:	not to scale	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03\plates.cdr		

Plate 9: Trench 17, undated linear **1706** and **1709**

Plate 10: Trench 33, ditch **3304**

Date:	27/03/2013	Revision Number:	0
Scale:	not to scale	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03\plates.cdr		

Plate 11: Trench 116, undated linear **11602**

Plate 12: Trench 152, undated curvilinear **15203**

Date:	01/03/2013	Revision Number:	0
Scale:	not to scale	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03\plates 11_12.cdr		

Plate 13: Trench 14, modern pit (geotechnical borehole) **1403**

Plate 14: Trench 109, land drain **10903**

Date:	27/03/2013	Revision Number:	0
Scale:	not to scale	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03\plates.cdr		

Plate 15: Trench 34, modern field boundary **3406**

Plate 16: Trench 19, lump of natural clay identified as pit **1903**

Date:	27/03/2013	Revision Number:	0
Scale:	not to scale	Illustrator:	CS
Path:	Y:\Projects\100640_Deanfield Evaluation\Drawing Office\Report Figs\Eval\2013-10-03\plates.cdr		

wessex archaeology

salisbury rochester sheffield edinburgh

Wessex Archaeology Ltd registered office Portway House, Old Sarum Park, Salisbury, Wiltshire SP4 6EB
Tel: 01722 326867 Fax: 01722 337562 info@wessexarch.co.uk www.wessexarch.co.uk