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FARNDON FIELDS, NEWARK-ON-TRENT, NOTTINGHAMSHIRE

ARCHAEOLOGICAL EVALUATION

Fieldwalking, auger survey and test pitting

prepared on behalf of:

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for:

The Highways Agency

by Wessex Archaeology
October 1995

Reference number: 37584b

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ARCHAEOLOGICAL EVALUATION

CONTENTS

FIGURES (at end of report: Figs 1-9 are repeated with and without the proposed road route)

SUMMARY

Wessex Archaeology undertook an evaluation of a potential Late Upper Palaeolithic site at Farndon Fields, near Newark, Nottinghamshire (centred on SK 7805 5220) in August and September 1994. The evaluation included the following techniques: fieldwalking, hand excavated and sieved test pits, and hand augering.

The fieldwalking comprised 4,783 2.5m collection units; the test pits consisted of fourteen out of a proposed total of 27 1m x 1m test pits and six out of a proposed total of 11 5m x 5m test pits; and the auger survey was formed from 177 auger points.

The results of these surveys suggest the presence of a diffuse concentration of Late Upper Palaeolithic artefacts along the western edge of the evaluation area. Later material, substantially of Neolithic/Bronze Age date, shows no clustering and is presumed to have been disturbed by agricultural tillage. All material was recovered from ploughsoil horizons. The presence of undamaged early features or soil deposits remains unproven and appears on present evidence to be only a faint possibility.

ACKNOWLEDGEMENTS

The field evaluation was commissioned by David Tyldesley and Associates, Environmental Consultants, on behalf of the Highways Agency. Thanks are due to Mr F Hardy, the landowner, for his co-operation and Ms. D Garton and Mr. G. Kinsley of the Trent and Peak Archaeological Trust for providing unpublished archive material. The fieldwork was managed for Wessex Archaeology by Dave Farwell, and was directed in the field by Jacqueline McKinley and Michael Heaton. The fieldwalking was supervised by Rebecca Montague, the auger survey by Julie Lovell and the test pitting by Jeremy Fry, with assistance from Steve Campbell-Curtis, Richard May, Mark Randerson, Steve Smailes, Danny Sykes, Dave Thomason and Lee Willment. The finds were processed by Steve Campbell-Curtis, Niels Dagless, Sue Downham, Jeremy Fry, Emma Loader, Kevin Ritchie and Carol Snell.

This report was prepared by Rebecca Montague and W.A. Boismier, with assistance from Jeremy Fry and Julie Lovell. Database preparation was by W.A. Boismier, Andy Crockett and Rachel Griffin. Finds analysis was by W. A. Boismier and Rebecca Montague (flint), and Lorraine Mepham (pottery). The location figure was prepared by Julian Cross. Linda Coleman undertook the CAD production of illustrations.

FARNDON FIELDS, NEWARK-ON-TRENT, NOTTINGHAMSHIRE

ARCHAEOLOGICAL EVALUATION

A. INTRODUCTION

A.1 The Project background

A.1.1 Wessex Archaeology was commissioned by David Tyldesley and Associates, Environmental Consultants (hereinafter referred to as 'the Consultants') on behalf of the Highways Agency to undertake a further archaeological evaluation of the site known as Site 18, Farndon Fields, Newark-on-Trent (hereinafter referred to as 'the site'), to assess the impact of the proposal to upgrade the A46 on the important Late Upper Palaeolithic archaeological resource identified by previous fieldwork at the site.

A.1.2 The previous archaeological evaluations carried out at the site comprised two stages of fieldwalking (conducted by the Trent and Peak Archaeological trust, hereinafter referred to as 'TPAT'), test pitting (conducted by Wessex Archaeology) and geophysical survey (conducted by GeoQuest Associates).

A.1.3 The first stage of the previous fieldwalking survey was carried out employing transects spaced at 10m intervals (TPAT 1993). Prehistoric flintwork collected by this stage indicated evidence for Late Upper Palaeolithic activity as well as Later Neolithic and Bronze Age activities within the site. Post-medieval artefacts were not collected, with concentrations representing possible sites recorded by location at the discretion of the supervisor. For other categories of finds such as struck flint, worked stone and medieval and earlier pottery, the location of the finds was recorded by 10m transect.

A.1.4 Because of the potential importance of the Later Upper Palaeolithic material a second stage of fieldwalking was undertaken at 2.5m transect intervals (TPAT 1993). This collection concentrated on two the recovery of two classes of artefactual material - struck flint and handmade pottery (in the event none of the latter was found). Finds within the 2.5m transects were individually recorded. Plotting of the struck flint showed that heavily 'corticated' artefacts were distributed in both fields with a 10.0m diameter concentration containing diagnostic Late Upper Palaeolithic artefact types in the northern portion of one (Field 374 in the TPAT report and Plot A in this report). A probable concentration of Late Neolithic/ Early Bronze Age diagnostic artefacts was also identified in the south-east corner of the same field. The corticated artefacts recovered by TPAT during the second stage fieldwalking which can

be assumed to be largely of Late Upper Palaeolithic date are listed as a table at the end of Appendix 1.

A.1.5 In a further stage of evaluation, nine 1m x 1m test pits were excavated by Wessex Archaeology 'to understand better the nature of the soil conditions and to test for the potential survival of *in situ* deposits' (David Tyldesley and Associates 1994, section 1.3). No subsoil features and only two flint flakes were found.

A.1.6 A geophysical survey was conducted by GeoQuest Associates (1994), to attempt to identify subsoil features associated with the flint scatters defined by TPAT. Apart from modern land drains and culverts, no subsoil features were identified which could be directly related to the areas of the two flint concentrations.

A.1.7 A further stage of archaeological evaluation of the site was proposed:

'Although the potential survival of any archaeological features within the road corridor appeared low and neither of the identified concentrations of flintwork would be directly affected, it was decided, given the particular importance of any potential LUP site, that further evaluation should be considered' (David Tyldesley and Associates 1994, section 1.5).

A.1.8. After discussions with English Heritage a detailed specification for the archaeological works was prepared by David Tyldesley and Associates in conjunction with the County Archaeological Officer for Nottinghamshire. This specification outlined the objectives of the proposed evaluation, the scope of works and defined the boundaries of the study area. Six key objectives were identified, and the programme of archaeological works set out to determine:

- The extent of the site
- The context of the Palaeolithic material brought up by the plough, whether redeposited in antiquity through natural periglacial processes, or *in situ*.
- The character of the Palaeolithic site, if the material is *in situ*
- The likely presence or absence of contexts in which palaeoenvironmental is preserved, and if present, the relationship between these contexts and the Palaeolithic material
- To what degree evidence for Palaeolithic activity is preserved across the site
- The date range of human activity represented at the site, including both the Palaeolithic and more recent material

A.1.9 The programme of archaeological works proposed by the Consultants and undertaken by Wessex Archaeology comprised intensive surface collection, an auger survey and test pitting, both within the proposed road corridor and in areas on either side of it.

A.1.10 The fieldwork was undertaken over four weeks in August-September of 1994, and this report was submitted to David Tyldesley and Associates in January 1994.

A.2 Topography and Geology

A.2.1 The site comprises the large part of two fields, the boundary between them formed by a deep drainage ditch. The entire area of the northern of the two fields (Plot A in this report) and part of the southern field (Plot B in this report) forms the site (see Figure 1).

A.2.2 The site lies on virtually flat, low-lying land in the flood-plain between the Rivers Trent to the west and the Devon to the east. Surface levels taken during this survey vary from 10.84m OD to 12.07m OD.

A.2.3 The drift geology of the study area is River Gravel, with alluvium closer to the River Devon (Geological Survey of Great Britain Solid and Drift Geology 1:50,000 map, Sheet 126, 1972 edition).

A.3 Current Agricultural Regime

A.3.1 Both fields are exclusively arable with current crops predominately cereals and oilseed rape. Previous cropping sequences (pre 1987) also involved potatoes which since 1987 has been discontinued due to nematode infestation.

A.3.2 The sequence of tillage operations undertaken in relation to crop production can be described as a reduced or minimal tillage system (ASAE 1978; Halley 1980). Seedbed preparation is largely restricted to two soil-working operations employing a combination implement for two years followed by a roll, with conventional operations undertaken every third year to restore seedbed/rootbed characteristics. Pre-drilling reduced tillage operations involve a 'Dutzi' for both seedbed preparation and drilling. The implement is a combination power take-off driven rotary cultivator with rigid tines at its front, an attached 'air seeder' or drill and a packer roller at the rear (Plates 1 and 2). The first pass with the implement is designed for soil loosening and the burial of crop residues. The second pass is used for the creation of refined seedbed conditions, seed sowing and seedbed firming to increase the contact between soil and seed. The single post-drilling operation undertaken involves the use of a ring roller also for seedbed compaction. Pre-drilling conventional operations involve subsoiling with a rigid-tine subsoiler to loosen and shatter machine-compacted soil layers (e.g. "plough pans"). This is followed by a conventional ploughing with a mouldboard plough to bury surface crop residues and rearrange soil aggregates. Secondary operations involve the use of a number of tined

cultivators and/or an offset disc harrow. Post-drilling operations also probably involve the use of a ring roller for seedbed firming.

A.3.3 Soil working depths for predrilling operations vary according to the individual operation and implement. Test pit sections indicate an average ploughzone depth of 0.35m with a range from 0.30m to 0.40m. The interface between the ploughzone and the subsoil is undulating and reflects the use of tines with wide or winged shares.

A.4 Archaeological Background

A.4.1 Previous fieldwork in the area has identified prehistoric flintwork, dating from both the Late Upper Palaeolithic period and from the Later Neolithic and Bronze Age (TPAT 1993), sufficient in quantity and quality to justify a further stage of work.

A.4.2 A geophysical survey of the area from which the prehistoric flintwork had been recovered encountered surface iron debris, a dense network of field drains and signals characteristic of ploughing. The field drains were spaced approximately 8m apart and aligned roughly NE-SW. However, two elliptical features were located which possibly represent ring ditches (GeoQuest Associates 1994).

A.4.3 The site lies immediately to the east of the Fosse Way (now the A46), the major Roman road between Exeter and Lincoln. Some 2.8km to the south-west along the Fosse Way lies the Romano-British small town of *Ad Pontem*. The town may have developed from Late Iron Age roots (TPAT 1992a, 64).

A.4.4 Newark was the site of extensive fighting during the Civil War, and the conjectural line of the outer earthwork of the besieging Parliamentary forces is located about 200m to the south of the area of the present survey (TPAT 1992a, 72).

B. FIELDWALKING

B.1 Introduction

B.1.1 Fieldwalking records the distribution of archaeological artefacts brought to the surface by tillage. Artefacts are collected from the surface of the ploughsoil either along a series of lines or 'transects' (line-walking) or from within a series of small grid units (total collection). When plotted onto maps, the distribution of artefacts recovered from these collection units provide a basis for the identification of relic archaeological sites surviving primarily as ploughsoil artefact distributions.

B.2 Methodology

B.2.1 The minimum requirements for fieldwalking required in this project are set out in Section 3.2 of the Specification:

'3.2 To test the reliability of the fieldwalking already undertaken it is proposed that two areas each of 75m by 200m should be intensively fieldwalked again at 2.5m intervals with all finds individually plotted. Finds collected should include all prehistoric material such as flintwork, pottery and burnt flint.'

The two areas selected are only small parts of the larger areas previously fieldwalked by TPAT, and the northernmost 200m x 75m area encompasses the area of the concentration of Late Upper Palaeolithic flints.

B.2.2 Reference was made to Figure 4 in the specification to show the location and size of the survey areas. Within the northern field (Plot A), the survey area was coded as 4000. Within the southern field (Plot B), the survey area was coded as 1000.

B.2.3 The survey area in Plot B was set out in exactly the same area and was of the same size as stated in the Specification. That in Plot A differed very slightly in shape but not in edge dimensions from the area shown in Figure 4 in the Specification - the boundaries of the field dictated that it was set out as an asymmetrical trapezium rather than a symmetrical one as shown on the Specification figure. The survey areas were laid out using a Pentax 20" theodolite.

B.2.4 The two survey areas were divided into 10m squares, aligned parallel to the edges of the survey areas rather than to the National O.S. grid. These 10m squares were marked with bamboo canes at each corner. Ropes with tape attached at 2.5m intervals were then stretched NE-SW between the 10m bamboo canes and at 2.5m intervals between the canes, thus delimiting the individual collection units by rope on the NW and SE sides of the unit, and with tapes on these ropes marking the NE and SW sides of the units.

B.2.5 Each 2.5m collection unit was assigned a unique reference number from within the sequence 1001 - 3499 for survey area 1000, and 4001 - 6499 for survey area 4000. The 2.5m units were grouped into their 10m blocks for the plotting of individual find-spots, for on-site administration, with details of personnel, the presence or absence of finds in individual units, soil conditions within the 100m² area which might affect pick-up rates (e.g. crop still on the surface, deep tractor ruts etc.), and the date recorded on Wessex Archaeology Fieldwalking Record sheets (available in archive). Details of the general weather conditions, soil types, topography, collection unit numbers used and other relevant details were recorded on Wessex Archaeology Plot Records, modified for use on the survey areas. The positions of the 2.5m collection units and the 100m² areas were recorded on 1:500 plans (available in archive), and the extent of the survey is illustrated in Figure 1.

B.2.6 For the purposes of quantitative analysis, only complete 2.5m collection units were investigated. Each of these was intensively surveyed. A total of 4783 collection units was walked; survey area 1000 in Plot B contained 2400 complete units; survey area 4000 in Plot A, an asymmetrical trapezoid, contained 2383 complete units, and 60 incomplete units, (which were not walked).

B.2.7 All artefacts with the exception of coal and clinkers, and regardless of date, were collected and bagged on site. Coal and clinker fragments were not collected due to their very high frequency within the ploughsoil, and their obvious modern origin. Certain categories of artefacts were treated as special finds within each collection unit, with a unique number assigned and their location plotted on the 100m² record sheet (available in the archive). These categories included all worked flint, burnt flint, burnt stone and medieval or earlier pottery. All finds of indeterminate or demonstrably modern date were recorded by the 2.5m collection unit without point provenancing.

B.3 Ground conditions

B.3.1 In both Plots the ground had been ploughed and disc harrowed, presenting a flat surface for walking, and had weathered sufficiently for artefact visibility to be good.

B.3.2 A higher frequency of modern debris was noted on the surface of survey area 1000 in Plot B than in survey area 4000 in Plot A.

B.4 Results

B.4.1 Totals of all artefacts by category and area are given in Appendix 1. The distributions of certain artefacts/material types are illustrated in Figures 2 - 6. Individual artefact material types are described below. Analysis of the finds is presented in Section E. In survey area 1000, 2352 of the 2400 (98%) of the 2.5m collection units produced artefacts; in survey area 4000, 2079 of the 2383 units produced finds (87.3%).

B.4.2 *Flint*

B.4.2.1 The surface collection and test pitting produced a total of 427 worked flint artefacts. This overall total can be divided into 120 artefacts which can be assigned to the Later Upper Palaeolithic, and 305 which can be assigned to the Neolithic/Bronze Age. The Later Upper Palaeolithic sub-assemblage represents a blade technology, the Neolithic/Bronze Age sub-assemblage is more mixed and predominately a flake technology. In distribution terms (see Figs 2 and 3) the Late Upper Palaeolithic artefacts exhibit concentrations, while the Neolithic/Bronze Age material does not appear clustered. A full discussion of the flint assemblage can be found in Section E.4.1 below.

B.4.3 *Pottery*

B.4.3.1 The discard of post-medieval and modern pottery from the fieldwalking left a residue of 88 sherds of medieval and earlier pottery, 40 from area 1000 and 48 from area 4000. This total can be broken down into one sherd of possible later prehistoric date, 28 Romano-British sherds, and 59 medieval sherds. The possible prehistoric sherd derived from area 1000; Romano-British and medieval pottery were both distributed fairly evenly between the two areas (see Appendix 4).

B.4.3.2 A total of 16587 post-medieval and modern pottery sherds was recovered during the surface artefact collection, 15160 from survey area 1000 and 1427 from survey area 4000. All were discarded after quantification.

B.4.4 *Worked stone*

B.4.4.1 Three pieces of worked stone were recovered, two from survey area 1000 and one from survey area 4000. A broken annular object made from micaceous sandstone, possibly a fragment of loom weight; and a whetstone/sharpening stone with 'v'-shaped grooves on either side, also of a micaceous sedimentary rock came from survey area 1000, and a fragment which may represent a whetstone fashioned on a fragment of ground stone axe, from survey area 4000. The first two objects are not diagnostic of any particular period. The possible ground stone axe may date from the Late Neolithic/Early Bronze Age periods, although the posited later use as a whetstone could date from any period after that.

B.4.5 *Glass*

B.4.5.1 A single small glass bead, broken with only half remaining, was recovered from survey area 4000. The bead, annular in shape, of a turquoise blue colour and oxidised on the surface, is probably of Romano-British date, but could be post-Roman.

C. AUGER SURVEY

C.1 Methodology

C.1.1 The minimum requirements for the auger survey required in this project are set out in Section 3.3 of the Specification:

'3.3 In order to understand the sub-surface geology an auger survey should be undertaken at 25m intervals of the whole area previously fieldwalked [i.e. the area fieldwalked by TPAT]. The results of this should be used to produce sub-surface contour plans and sections.'

C.1.2 A base line was established across the site, and auger points at 25m intervals were measured off this line, ensuring complete coverage of the site. The points were each assigned a unique reference number from within the sequence 1 - 699.

C.1.3 A total of 177 auger points was bored. The location and numbers assigned to these auger points are illustrated in Figure 1. Initially a screw auger was used for the first nine auger holes bored, but due to the nature of the soils there was poor adhesion to the auger and results were generally unsatisfactory. A Dutch auger was then employed, with four of the previous nine auger bores then being re-bored in a position just alongside the original hole.

C.1.4 Results of the auger bores were recorded using Wessex Archaeology's *pro forma* recording system. The layers encountered were recorded both as descriptions and interpretations on Auger Log Sheets, together with the correct National O.S. grid co-ordinates assigned to each auger point, the ground level in metres in some cases, and details of personnel and type of auger used. A plan at 1:2500 was produced with the location of each auger point (archive and Fig. 1).

C.2 Results

C.2.1 The results of each auger bore taken are tabulated in Appendix 7, and are shown graphically in Figures 7 - 9. A summary is presented in Appendix 6. The subsoil below the present ploughsoil appears to be a silty clay loam of mixed origin rather than being a residual early land surface. The surface of the natural base itself comprises fine silty sand which represents a truncated land surface. The present ground surface contouring, when compared to the subsoil and natural base contours, shows a consistent trend. The ground slopes away, down to the south-east corner of the evaluation area, where the natural base surface is deepest. An assessment of the results is presented in Section E.

D. TEST PITTING

D.1. Methodology

D.1.1 In the Specification a distinction is drawn between 1m x 1m test pits and 5m x 5m excavation areas. In this report, both are referred to as test pits.

D.1.2 The minimum requirements for the test pitting required in this project are set out in Sections 3.4, 3.5 and 3.6 of the Specification:

'3.4 To enhance the test pitting already carried out a further 27 1m by 1m test pits should be excavated by hand. Six pits should be located at 25m intervals along the road route between the pits already excavated. The remaining 21 pits should be located at random but based upon 1 within a 50m grid on the alignment of the test pits already excavated. All excavated material should be sieved at appropriate meshes with a maximum diameter of 5mm to ensure that any artefacts are recorded. All artefacts found below the ploughsoil should be 3 dimensionally recorded.'

'3.5 In addition 11 areas 5m x 5m should be excavated by hand to identify any archaeological features surviving within the subsoil. 3 areas should be located at 25m intervals along the road route between the pits already excavated. 2 areas should be located on the flint scatters already identified and the remaining 6 should be based upon the results of the augering and test pits where archaeological remains are identified. Sieving should be undertaken at 4% of the ploughsoil and all of the subsoil (as described in 3.4) and likewise all artefacts found below the ploughsoil should be dimensionally recorded.'

'3.6 Sufficient samples should be taken from both the test pits and excavated areas for environmental analysis. These should establish the survival of stratified palaeoenvironmental material which would contribute to an understanding of prehistoric activity in the area.'

D.1.3 The locations of the proposed test pits were surveyed in using a Pentax 20" theodolite, and were assigned unique reference numbers within the sequence 700 - 999. The locations of all test pits excavated are shown in Fig. 1.

D.1.4 Both the 1m x 1m and the 5m x 5m test pits were excavated by hand down to the natural base, or where this was impractical due to Health and Safety considerations, the depth of the natural base was ascertained by augering (i.e. in test pits 726 and 732). Sieving was carried out as stated in the Specification apart from the subsoil sieving of the 5m x 5m test pits, which proved impossible given the restraints of time, weather and the nature of the subsoil. Both the ploughsoil and subsoil layers were sieved through sieves with a 5mm mesh. Approximately 15% of the subsoil in these larger test pits was sieved. Any features encountered were hand cleaned and sample excavated. Where no features were encountered, the base of the test pit was hand cleaned before recording. The test pits were fully recorded (see section D.2.5 below), and then backfilled by hand.

D.1.5 A combination of bad weather conditions, equipment failure (mainly sieve meshes breaking down due to the lumpiness of the soil), and the repossession of the field by the farmer for planting after the fourth week of fieldwork meant that it was not possible to complete all the test pits on schedule.

D.1.6 When it became apparent that the excavation of all the test pits could not be achieved in the time available, it was decided to concentrate on those test pits within survey areas 1000 and 4000, and the two 5m x 5m test pits located over flint concentrations outside the centre line of the road route. Fourteen out of the proposed 27 1m x 1m test pits and six of the proposed 11 5m x 5m test pits were excavated.

D.1.7 A full graphic, photographic and written record was made of each test pit, using Wessex Archaeology's *pro forma* recording system. The base plan of each test pit and selected sections were drawn at 1:10 for the 1m x 1m test pits and at 1:50 for the 5m x 5m test pits, with O.S. levels calculated and displayed. The O.S. grid reference for each test pit was also given.

D.1.8 All identified artefacts were retained, and treatment was similar as for the artefacts recovered from fieldwalking: possible prehistoric artefact types such as worked and burnt flint and pottery that were identified in the subsoil within each test pit were recorded 3-dimensionally; whereas artefacts of indeterminate or modern date were collected as bulk finds by context. Inevitably some artefacts were only identified during the sieving process.

D.1.9 A single environmental sample, sample 8000, was taken, from 5m x 5m test pit 727 located over the concentration of Late Upper Palaeolithic flints in Plot A. No subsoil features, apart from a modern field drain, had been identified in this test pit, but given the concentration of Late Upper Palaeolithic material in the area, a column sample was taken through both the ploughsoil and the subsoil, for the analysis of any plant micro- and macrofossils present. This was recorded on an Environmental Sample Record sheet, and the location of the sample column marked on the appropriate section drawing. The environmental sample was processed and analysed at Portway House.

D.2 Results

D.2.1 Fourteen out of the proposed 27 1m x 1m test pits and six of the proposed 11 5m x 5m test pits were excavated. The results of the test pitting are shown in Appendix 5, and a summary is presented in Table 1 below. The detailed results of the test pitting are analysed in Section E below.

D.2.2 The only features recorded were two natural gullies within the natural gravel in test pit 701, and a modern field drain in test pit 727. No features of archaeological origin were recorded.

Table 1: Summary of Test Pit Results.

Test pit	1m x 1m	5m x 5m	Thickness of ploughsoil	Thickness of subsoil(s)	Depth below ground level of natural base
700	x		0.38	-	0.38
701		x	0.30	0.15	0.45
702	x		0.30	0.20	0.50
703	x		0.35	0.24	0.59
704		x	0.30	0.10	0.40
706	x		0.40*	0.10	0.50
707		x	0.37*	0.05	0.42
708	x		0.30	0.10	0.40
709	x		0.34	0.25	0.59
711	x		0.40*	0.07	0.47
723	x		0.30	0.23	0.53
724	x		0.35	0.25	0.60
725		x	0.40	0.15	0.55
726	x		0.30	0.80	1.10
727		x	0.40	0.50	0.90
728	x		0.35	0.04	0.39
730		x	0.33	0.17	0.50
731	x		0.35	0.28**	0.63
732	x		0.34	0.87	1.21
733	x		0.35	0.30	0.65

* - These depth figures are a combination of the ploughsoil and an underlying plough pan, described as 'compacted ploughsoil' and of identical colour and textural descriptions as the ploughsoil.

** - Two separate subsoils were identified in this test pit, and have been amalgamated for the purposes of this table.

D.2.3 The test pits in general revealed a very similar soil profile. The ploughsoil, generally a silty clay but a sandy silt in some areas, varied in thickness from 0.30m to 0.40m. Subsoil was encountered in all but one of the test pits, and varied in thickness from 0.04 to 0.87m. The subsoil varies from compacted silts to silty and sandy clays, and is alluvial in nature. The natural deposits are formed either by fluvial gravels or sand at depths varying from 0.38 m to 1.21m below ground level.

D.2.4 Individual artefact material types are described below. A summary of the whole collection is presented in Appendix 1, with an assessment in Section E.

D.2.4.1 *Flint*

D.2.4.1.1 A full discussion of the flint assemblage can be found in Section E below.

D.2.4.2*Pottery*

D.2.4.2.1 *Medieval and earlier pottery* The test pits yielded a very limited assemblage of medieval and earlier pottery (13 sherds in total), comprising two Romano-British coarseware sherds, one sherd of samian, and ten sherds of late medieval date. The types represented here are comparable with examples within the larger fieldwalked assemblage, and similar date ranges can be suggested.

D.2.4.2.2 *Post-medieval and modern pottery* A total of 1956 sherds of post-medieval and modern pottery was recovered from the test pits. All were discarded after quantification.

D.2.4.3*Other artefact categories* A similar range of artefact categories to those retrieved during surface artefact collection was recovered, with glass and ceramic building material occurring in fairly high frequencies compared to other artefact types. The presence of diagnostically modern artefacts in the subsoil layers of some of the test pits is of note.

D.2.4.4*Environmental samples*

D.2.3.4.1 A representative soil profile was sampled using plastic soil monolith containers (sample 8000) from test pit 727. The profiles was sampled in three contiguous monolith containers. This sequence is described below following pedological notation outline in Hodgson (1976) and is followed by a brief statement of its palaeo-environmental potential.

D.2.3.4.2 Soil description

The profile described is a podozolic/typical brown earth (Avery 1990) over sands;

0 - 33cm	Brown (10YR 4/3*) humic silty clay loam; the sand present is fine. Almost
Ap (7270)	stonefree but with rare medium stones at the base of the plough pan. 0.5% fine macropores, inclusions of straw (ploughed in), sharp smooth boundary.
33 - 67cm	Dark brown (7.5YR 4/2*) stonefree silty clay loam with moderate medium blocky
E/B (7271)	structure, 0.2 - 0.5% very fine macropores, smooth gradual boundary
67 - 80 + cm	Brown (7.5YR 5/4*) loose but compacted silty sand with massive structure. A
B\C	reddish hue indicates iron, but no direct evidence of mobile iron is seen in this of the E/B horizon. Weathered parent material; pedogenically altered.

* all Munsell colours were recorded moist.

D.2.3.4.3 The soil profile is a typical ploughed podzolic or typical brown earth. Biotic activity is noticed throughout the profile (common macropores) and no standstill phases or buried sequences were apparent in the field or the described monolith sequence. The upper part of the weathered parent material was however, pedologically altered and this may contain relict pedological features contemporary with the artefact scatters. Overall there does not seem to be any pedological argument why the artefacts are directly related to the present soil profile. This scenario is typical (Scaife pers. comm.) and can be seen at Iping Common (cf. Keef *et al.* 1965) where Early Mesolithic artefacts were excavated in podzol and, following soil pollen analysis of the stratigraphy, Dimbleby concluded that there was no proof that the pollen sequence (from the

soil which produced an Early Mesolithic assemblage) could be correlated with the flint industry in the site (1985, 108).

D.2.3.4.4 In view of their antiquity, it seems more likely that the artefact scatters have been incorporated into the present soil profile and therefore are not *in situ*. They were probably formerly related to the now truncated fine sands.

D.2.3.4.5 The potential for palaeo-environmental analysis to provide detailed information contemporary with the artefacts is therefore considered low and it seems likely that pollen preservation is poor within the main soil profile (Scaife pers. comm.). However, there is a possibility that the pedologically weathered sands may contain pollen and may provide information contemporary with the artefact scatters.

E. ASSESSMENT OF RESULTS

E.1 The Natural Base and Soil Sequence

E1.1 The natural base comprises a truncated surface of fine silty sand which lies over, and is in part incorporated into, gravels. This surface shows an overall drop in surface height from about 11.5m OD in the north to about 10m OD in the south.

E1.2 The soil sequence is a typical brown earth with no discernible standstill phases or buried sequences.

E.2 Demonstrated Archaeological Deposits, Including Results of Previous Fieldwork

E2.1 Previous fieldwork by the Trent and Peak Archaeological Trust (TPAT 1992b and 1993) had recovered good evidence for archaeological activity within the present survey area dating from three periods; medieval, Later Neolithic and Bronze Age, and Later Upper Palaeolithic. Medieval pottery was found to occur across the survey area with a general concentration of about 200m diameter centred over the northern half of the area. A concentration of Late Neolithic/Early Bronze Age diagnostic flint artefacts was recognised in the south-east corner of Plot A. A dense cluster of about 10m diameter of Later Upper Palaeolithic diagnostic pieces was recorded from the northern side of Plot A.

E2.2 No features of archaeological significance were encountered by Wessex Archaeology during the 1994 stage of the evaluation. The geophysical survey (GeoQuest Associates 1994) had located two elliptical features in the southern half of the survey area (Plot B); but adjacent test pits 701 and 706 failed to recover archaeologically significant material. Test pit 701 demonstrated the presence of natural clay-filled gullies in the gravels which may have caused some geophysical anomalies.

E2.3 The presence of significant quantities of both Neolithic/Bronze Age and Later Upper Palaeolithic flint artefacts was demonstrated by the results of the 1994 survey. The consistency of the results with the previous survey work demonstrates the likely presence of relict activity areas surviving within the ploughsoil.

E2.4 The silty clay loam beneath the present ploughsoil appears to be of mixed origin rather than being a residual early land surface. The silty sand and gravel deposits beneath the sequence represent a truncated land surface. Material may survive within the sand itself.

E.3 The Artefacts

E.3.1 Processing of the artefacts was undertaken at the offices of Wessex Archaeology. Following cleaning and scanning by in-house specialists, artefacts of indeterminate or modern origin were weighed, counted and discarded. Those finds treated as small finds were weighed, counted and retained. All artefacts were recorded on the computerised database by context or collection unit, complete with National O.S. grid co-ordinates provided for each context. Retained finds have been curated in accordance with the UKIC guidelines for the preparation of excavation archives for long-term storage (Walker 1990) and Nottingham Museum's policy for finds deposition. The finds will be deposited with the Museum upon receipt of the landowner's approval for donation.

E.3.2 *Flint*

E.3.2.1 A total of 427 worked flint artefacts were recovered was recovered from both fields by fieldwalking and test pitting, and the general distribution of these pieces is shown in Appendix 1. Of the 427 pieces, 425 were recognisably prehistoric worked flint. The condition of the pieces is variable, with a substantial proportion of the assemblage exhibiting varying degrees of post-depositional edge damage characteristic of plough-damage. Patination on the pieces in the assemblage falls into three distinct groups: 1) whitish grey, 2) light or unpatinated, and 3) patchy mottled bluish-grey. The first two of these groups correspond to apparent chronological distinctions in the assemblage; greyish-white: Later Upper Palaeolithic, light/unpatinated: Neolithic/Bronze Age. The third group is relatively undiagnostic as regards to period but appears technologically to be largely post-glacial in date. This group is discussed below in conjunction with the other pieces datable to the Neolithic/Bronze Age.

E.3.2.2 *Later Upper Palaeolithic flint*

E.3.2.2.1 Some 120 artefacts exhibit a greyish-white patina which can be assigned on technological grounds to the Later Upper Palaeolithic. Sixty (50%) were recovered from surface contexts and 60 (50%) from subsurface, largely ploughzone, contexts in the test pits. In condition, 75% (n=90) of the artefacts are plough-damaged and 25% (n=30) undamaged.

E.3.2.2.2 Technologically, the artefacts in this sub-assemblage represent a blade technology. Cores are prepared single and bipolar platform types largely utilised for the removal of blades. Non-core artefacts are generally small and light with blades exhibiting little or no curvature in section. All non-core artefacts possess relatively thin striking platforms and diffuse bulbs of percussion characteristic of soft hammer/indirect percussion. Artefact class groups represented by the pieces in the sub-assemblage comprise; unretouched flakes and blades: 89; cores: 4; core rejuvenation flakes (edge): 2; retouched tool: 17; burin spall: 1; and burnt artefacts (various types): 7. The retouched tool component includes end scrapers, marginally retouched and truncated pieces, two general types of burin (angle, truncation), a possible convex backed blade and an unidentified retouched blade fragment possibly of a point. All artefacts were manufactured from flint. The source of this raw material is

unknown but appears according the TPAT report (np) to be the same as that for the artefacts from Creswell. Appendix 2 summarises the number and type of pieces recovered by fieldwork.

E.3.2.3*Neolithic/Bronze Age*

E.3.2.3.1 A total of 305 artefacts exhibit little or no patina (n=265) or a patchy mottled bluish-grey patina (n=40) which can be assigned on technological grounds largely to the Neolithic/Bronze Age. Some 277 pieces (90.8%) were recovered from surface contexts and 28 (9.2%) from subsurface ploughzone contexts. In condition, 85.9% (n=262) of the artefacts are plough damaged and 14.1% relatively undamaged.

E.3.2.3.2 Technologically, this sub-assemblage is more mixed but can be characterised in general, as one primarily concerned with the production of flakes and narrow blade-like flakes. The cores are all relatively small and predominately prepared single, multiple and joint platform types. Non-core artefacts are more variable in size and platform characteristics both direct and indirect percussion techniques represented by the pieces in the sub-assemblage. A number of the blades can also be described as incidental by-products produced during core reduction rather than as deliberate blanks. Artefact class groups represented by the pieces in this sub-assemblage comprise; unretouched flakes and blades: 208; cores: 26; retouched tool: 29; polished axe flake: 2; undiagnostic struck: 3; and burnt artefacts (various types): 36. A single hammer stone flake was also recovered. The retouched tool component includes three types of scraper (end, double end, thumbnail), two types of arrowhead fragments (leaf, oblique), serrated pieces and a number of marginally retouched/utilised pieces. A dominant proportion of the artefact recovered were manufactured from local valley gravel sources (e.g., small gravel nodules/cobbles). Appendix 3 summarise the number and type of pieces recovered by the fieldwork

E.3.2.4*Post-Medieval flint*

E.3.2.4.1 Two gun flints were also recovered from surface contexts.

E.3.2.5*Distribution*

E.3.2.5.1 Figure 2 shows the point distribution of Later Upper Palaeolithic artefacts across the surface of the two collection areas in the fields. The artefacts form single concentrations surrounded by a more diffuse scatter in each collection area. Whether these surface concentrations indicate the locations of actual relic activity areas surviving in the ploughsoil or simply tillage-induced aggregations cannot be ascertained without further analysis. However, it should be noted that the concentrations do occur on or close to higher areas of the natural base surface (see Fig. 9) with, therefore a higher potential for erosion.

E.3.2.5.2 Figure 3 shows the point distribution of Neolithic/Bronze Age artefacts across the surface of the two collection areas. No apparent clusters or concentrations are visible in these distributions for the two collection areas.

E.3.3 *Pottery*

E.3.3.1 *Later prehistoric pottery* A single small rim sherd in a moderately coarse, quartzitic fabric was identified as prehistoric on the basis of fabric type, although the rim type is not sufficiently diagnostic for close dating. A tentative date in the Late Iron Age is suggested.

E.3.3.2 *Romano-British pottery* The 31 sherds of Romano-British pottery consisted largely of coarsewares, with two sherds of colour-coated finewares and one sherd of samian. The small number of rim sherds present amongst the coarsewares would suggest a date range in the early Roman period, i.e. 1st to 2nd century AD, although the possibility of a broader date range into the later Roman period should not be ruled out. (see Fig. 4 for distribution).

E.3.3.3 *Medieval pottery* The medieval assemblage comprises 69 sherds in two main fabric types: coarse oxidised sandy wares, some partially glazed, and very hard-fired, purple-brown wares, again partially glazed. All these are likely to have been of at least fairly local manufacture; both types, for example, are recorded from production sites in Nottingham, where the harder-fired purple-brown wares are seen as a later medieval development of the Orange Sandy Ware tradition. A broad date range of 13th to 15th century may be suggested for the medieval sherds.

E.3.3.4 The prehistoric, Romano-British and medieval pottery occurs in such low numbers that it is not possible to draw many meaningful inferences. The distribution of the pottery from the Romano-British and medieval periods shows no obvious concentrations and is likely to be the result of manuring and agricultural activity over both the fields over many centuries.

E.3.3.5 The post-medieval and modern pottery occurs in greater numbers in survey area 1000 than in survey area 4000 (an average of 6.3 per 2.5m^2 collection unit for survey area 1000 as opposed to 0.6 for survey area 4000). This may be related to recent manuring activity from farm buildings to the south of the area.

E.3.4 *Other artefact categories*

E.3.4.1 Two objects of archaeological significance were recovered from survey area 4000. A fragment of ground stone axe from the Late Neolithic/Early Bronze Age periods and a small glass bead of probable Romano-British date.

E.3.4.2 The distribution of burnt flint and burnt stone across the two fieldwalking survey areas has been point plotted, as these may represent possible prehistoric artefact types (Figs. 5 and 6). No obvious concentrations are apparent.

E.3.4.3 With reference to Appendix 1 it can be seen that in general, domestic refuse such as post-medieval and modern pottery, glass, clay pipes and shell occurs more frequently in the southern field, and structural and industrial debris such

as stone, ceramic building material and various types of slag occur more frequently in the northern field.

E.4 Impact of Current and Past Agricultural Regimes on the Archaeological Resource

E.4.1 Changes to the archaeological resource at Farndon Fields caused by agricultural actions include: 1) the destruction or truncation of subsurface deposits, 2) changes in the condition and preservation of artefact assemblages, and 3) artefact displacement.

E.4.2 The destruction or truncation of subsurface deposits is related to the depth of soil working operations. Survival of subsurface deposits above an average depth of 0.35m is extremely unlikely as a result of the soil manipulation processes associated with the tillage implements employed for seedbed preparation. The general absence of any identifiable archaeological features or occupation layers in the test pits indicates that such deposits have, in all likelihood, been largely destroyed by tillage. Results from the test pits suggest that modern artefacts have been incorporated into the soil to a depth of at least 0.55m. Any deposits which may possibly survive elsewhere in the two fields will, at best, be heavily truncated.

E.4.3 Changes in the condition and preservation of artefact assemblages involve the damage and breakage of individual artefacts, and the differential preservation of artefact class groups within the ploughsoil. Patterns of edge damage and pressure snaps characteristic of plough-damage (Mallouf 1982) occur on 89% of the lithic artefacts recovered. Patterns of edge damage for the two periods represented in the assemblage are summarised in Section E.4.1. Evidence for the occurrence of differential pottery fabric preservation in the ploughsoil is documented by the general absence of Neolithic/Bronze Age sherds from the pottery assemblage in contrast to the quantity of lithic materials recovered from the same periods. The single sherd of Iron Age date and the absence of Saxon pottery may also reflect preservation conditions rather than any lack of settlement and/or landuse during these periods.

E.4.4 Artefact displacement occurs as a result of the horizontal and vertical movement of artefacts produced by the actions of tillage implements during soil working operations. Artefact size and shape, tillage implement type, and the number and direction of equipment passes, all condition the distance which an artefact is moved. The extent of artefact displacement on the basis of existing data cannot be accurately assessed. Given the arable landuse of the area, all that can be said is that artefact displacement has occurred and has had an indeterminate, but detrimental, impact on the form and content of ploughsoil artefacts; and will continue to do so. It can be suggested that the Later Upper Palaeolithic material recovered from survey area 4000 forms a tighter distribution than that from survey area 2000, however, further fieldwork would be required to prove the presence of a relict activity area surviving in the ploughsoil.

E.4.5 A series of sub-surface land drains also occur in both fields. In general, pipe drain diameter ranges from 0.75m to 0.225m. General drain spacing, trench

width and depth below the surface is not known, although the one field drain encountered in test pit 727 was cut into the natural at a depth of 0.90m below ground level, and was 0.20m wide. The geophysical survey identified an area heavily disturbed by land drains of about 100m diameter; coincident with test pit 727 and the main concentration of Later Upper Palaeolithic flint recovered from survey area 4000. Potential impacts of land drains include the partial or total destruction of any subsurface deposits cut by them.

E.5 Conclusion

E.5.1 The objectives of the evaluation were to determine the following points:

- The extent of the site
- The context of the Palaeolithic material brought up by the plough, whether redeposited in antiquity through natural periglacial processes, or *in situ*.
- The character of the Palaeolithic site, if the material is *in situ*
- The likely presence or absence of contexts in which palaeoenvironmental evidence is preserved, and if present, the relationship between these contexts and the Palaeolithic material
- To what degree evidence for Palaeolithic activity is preserved across the site
- The date range of human activity represented at the site, including both the Palaeolithic and more recent material

E.5.2 The distribution of Palaeolithic material surveyed by TPAT has been confirmed by Wessex Archaeology's survey results (Fig 10). Most striking is the correlation of densely-spaced results within a circular area of roughly 30m diameter in the north of the survey area (survey area 4000). The distribution clearly indicates the presence of a small low density artefact concentration surrounded by a scatter of material; with a larger and more diffuse concentration occurring in survey area 1000. The quality of the material recovered strongly suggests that the material has not been redeposited in antiquity through natural periglacial processes.

E5.3 Although no site-specific *in situ* subsurface occupation surfaces were identified for the Later Upper Palaeolithic artefact distribution, it retains substantial importance as its spatial configuration and composition allows for a determination of what Late Glacial open sites look like in arable environments. The assemblage recovered from the distribution in addition provides a basis for assessing site function in relation to the cave and rock shelter sites at Creswell Crags.

E5.4 The potential for palaeoenvironmental analysis to provide information contemporary with the Later Upper Palaeolithic artefact distribution is considered low since the scatters have been incorporated into the present topsoil/subsoil profile. There remains a possibility that the surviving truncated pedologically weathered sands might contain pollen and, therefore, be able to provide contemporary information.

E5.5 Late Neolithic/Bronze Age flint artefacts were recovered in quantity from the survey area. However, pottery of a similar period was conspicuous by its absence. This may indicate the severity of effect of past agricultural activity on a fragile resource, rather than a real absence. In this instance the generalised distribution of material (Fig. 3), while indicative of activity within or close to the survey area, has not helped to pinpoint a source. Indeed, TPAT's (1993) record of a concentration towards the south-east corner of Plot A and the suggestion that undamaged deposits may well exist beyond the recorded cluster remains valid.

E5.6 Romano-British pottery is generally well-made and was produced in quantity. Therefore, the limited quantity of Romano-British pottery recovered suggests a real absence of significant activity having taken place within the survey area in the Roman period.

E5.7 The lack of pottery of later prehistoric and Saxon date would also suggest a general absence of activity on site during those periods. However, it should be pointed out that pottery from those periods is not uniformly of durable manufacture and, therefore, as seems likely to have happened during the Late Neolithic/Bronze Age period, the pottery evidence might have been destroyed by later ploughing.

E5.8 During the medieval period, pottery has been incorporated onto the site. The sherds are, in general, small and abraded. The assemblage is damaged to such an extent that only a broad date range of 13th to 15th centuries AD can be suggested. The quality of the material, rather than the quantity, suggested that the material was derived from manuring practices.

E5.9 The amount of debris incorporated into the topsoil and subsoil suggests that this intensive agricultural use of the land continued through from the medieval period up to the present day. The type and quantity of material suggests that greater quantities of coarser material have been incorporated into the northern half of the survey area. Given the proximity of existing buildings to the site, and the known extent of drainage works within the fields, the material need not suggest the construction and demolition of structures within the survey area itself.

E5.10 The evidence suggests that general area of Farndon Fields represents a preferred locality for human activity over an outstandingly long period of time. The survey area itself saw sporadic but highly significant bursts of focused local activity during the Later Upper Palaeolithic and Late Neolithic/Bronze Age periods.

THE ARCHIVE

The contents of the archive are listed in Table 2 below, giving the appropriate NAR (National Archaeological Record) categories, and comprises paper, graphic and photographic records, as well as the finds. It is hoped that, with the consent of the landowner, the archive will be lodged with Nottingham Museum.

Table 2: The Archive

Description	Size	Number	NAR Category
FILE 1 - General, Auger survey and test pitting			
Index to Archive	A4	2	
Report	A4	61	A
Field/Plot Record sheets	A4	2	B
Number Record sheets	A4	2	B
Test Pit / Trial Trench Record sheets	A4	21	B
Context Record sheets	A4	6	B
Auger Log sheets	A4	181	B
Levels Book	A4	5	B
Graphic Register sheets	A4	4	B
Site Plans and Sections - primary and synthesised	A4	40	B
	A3	4	B
	A1	3	B
Photographic Register	A4	7	D
Day Book	A4	12	B
FILE 2 - Surface artefact collection			
Number Record sheet	A4	1	B
10m² Collection Unit Record sheets	A4	329	B
FILE 3 - The Finds			
Finds Index	A4	4	B
Context Finds Record	A4	38	B
Hectare Finds Record	A4	181	B
Lithic Coding Notes	A4	4	B
Colour transparencies		86	
Monochrome contact sheets		4	
THE FINDS - flint, pottery, worked stone and glass. Boxed in narrow boxes		3	

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Appendix 1: SUMMARY OF ALL ARTEFACTS BY CATEGORY AND AREA

Artefact type	Survey area 1000		Survey area 4000		Test pits		Totals
	No.	*Wt.(g)*	*No.*	*Wt.(g)*	*No.*	*Wt.*	*No.*
Animal bone	46	324	16	134	6	46	68
Burnt flint	101	1306	64	671	15	49	180
Burnt stone	8	259	6	146	1	33	15
Brick & Tile	1619	24826	3134	59624	629	5236	5382
Clay pipe	292	680	116	249	24	49	432
Fired clay	45	65	35	90	11	77	91
Worked flint	171	1339	167	1296	88	304	427*
Glass	11610	62857	539	2853	894	397	13043
Pottery	15200	75219	1475	10900	1969	7942	18644
Shell	47	241	3	7	5	15	55
Slag	31	1535	78	2469	4	33	113
Stone	421	8212	705	18143	30	1402	1156
Copper alloy objects	41	227	2	8	14	80	57
Iron objects	105	3117	26	742	16	462	147
Lead alloy objects	9	135	2	238	-	-	11

* Included in the flint total is a patinated burin on a truncated blade, a surface find from outside the artefact collection areas.

Appendix 2: LATE UPPER PALAEOLITHIC FLINT ARTEFACTS BY TYPE

Table 1: Wessex Archaeology collection 1994

Type	Complete	Fragment	Burnt	Totals
Flake	27	16	4	47
Blade	9	37	1	47
Flake Core		1	1	2
Blade Core	3			3
Core Rejuvenation Flake	2			2
End Scraper	5	2		7
Burin	4			4
Burin Spall	1			1
Marginal Retouch		3		3
Backed Blade	1	1		2
Truncated Blade	1			1
Undiagnostic Struck			1	1
Totals	**53**	**60**	**7**	**120**

Table 2: TPAT collection 1993

Type	No.	Burnt	Total
Flake	62	16	78
Blade	7		7
Blade Fragment	10	2	12
Flake Core	3		3
Blade Core	2		2
Core Fragment	1		1
Core Rejuvenation Flake	2		2
Core Rejuvenation Flake Fragment	1		1
End Scraper	2		2
Marginal Retouch	5	1	6
Retouched Tool*	2	1	3
Retouched Tool Fragment	1	2	3
Totals	98	22	120

* includes shouldered point

Appendix 3: NEOLITHIC/BRONZE AGE FLINT ARTEFACTS BY TYPE

Type	Complete	Fragment	Burnt	Totals
Flake	95	68	18	**181**
Blade	12	33	5	**50**
Flake Core	17	1	8	**26**
Blade Core	7	1	1	**9**
End Scraper	6	2		**8**
Thumbnail Scraper	5		1	**6**
Misc. Scraper	2			**2**
Serrated Piece	1	1		**2**
Piercer	5			**5**
Retouched Piece	1	1		**2**
Marginal Retouch/Utilised	2	1		**3**
Arrowhead		2		**2**
Polished Axe Flake	2			**2**
Hammerstone Flake	1			**1**
Undiagnostic Struck	3		2	**5**
Totals	**159**	**110**	**35**	**304**

Appendix 4: SUMMARY OF POTTERY BY PERIOD AND AREA

Period	Survey area 1000	Survey area 4000	Test pits	Totals
Iron Age	1	0	0	**1**
Romano-British coarseware	13	13	2	**28**
Romano-British fineware	1	1	0	**2**
Samian	0	0	1	**1**
Medieval	4	4	0	**8**
Late medieval	21	30	10	**61**
Post-medieval and modern	15160	1427	1956	**18543**
Totals	**15200**	**1475**	**1969**	**18644**

APPENDIX 5: CATALOGUE OF TEST PIT DESCRIPTIONS

Test pit 700	Plot B	Co-ordinates: 77962 / 52010	Ground level (m OD.): 11.08	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.38m	Ploughsoil. Brown (10YR 4/3) silty clay with very frequent flints and fluvial gravel inclusions 0.05m+			7000
0.38m+	Natural fluvial gravels. Very frequent gravel inclusions 0.05m+, in a dark yellowish brown (10YR 3/6) clayey sand matrix.			7001

Test pit 701	Plot B	Co-ordinates: 78005 / 51985	Ground level (m OD.): 10.80	Size: 5m x 5m
Depth	*Description*			*C/xt No.*
0 - 0.30m	Ploughsoil. Brown (10YR 4/3) silty loam. Frequent coal and domestic rubbish inclusions, and large clumps of shredded semi-decomposed vegetable matter. The coal is very broken down and evenly mixed throughout the soil structure.			7010
0.30m - 0.45m	Subsoil. Greyish brown (10YR 5/2) clay with modern glass, CBM and ceramic inclusions, and frequent fluvial gravel inclusions 0.05m+.			7011
0.45m+	Natural fluvial gravels. Very frequent gravel inclusions 0.05m+ in a brownish yellow (10 YR 6/6) sandy clay. Two natural gullies (7013 and 7015) noted within the gravels, filled respectively with grey and light brownish grey (10YR 6/1 and 10YR 6/2) clay.			7012

Test pit 702	Plot B	Co-ordinates: 78047 / 51958	Ground level (m OD.): 11.02	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.30m	Ploughsoil. Dark brown (10YR 3/3) sandy silt loam. Frequent coal fragments, ceramics, and lots of shredded vegetable matter. Has uneven lower boundary.			7020
0.30m - 0.50m	Subsoil. Yellowish brown (10YR 5/6) silt loam. Common small flecks of coal in worm holes, common manganese stains and concretions, occasional fragments of glass.			7021
0.50m+	Natural sand. Brownish yellow (10YR 6/6) fine, clean sand with occasional iron panning and small concretions.			7022

Test pit 703	Plot B	Co-ordinates: 77985 / 52057	Ground level (m OD.): 11.39	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.35m	Ploughsoil, dark greyish brown (10YR 4/2) sandy loam. Frequent domestic refuse inclusions, with a layer of shredded straw at 0.15m below surface. Regular gravel inclusions 0.05m+.			7030
0.35m - 0.59m	Subsoil. Yellowish brown (10YR 5/8) sandy clay, with occasional regular fluvial gavel inclusions 0.05m+.			7031
0.59m+	Natural fluvial gravel. Very frequent gravel inclusions 0.05m+ in a brownish yellow (10YR 6/8) silty clay matrix.			7032

Test pit 704	Plot B	Co-ordinates: 78028 / 52035	Ground level (m OD.): 10.84	Size: 5m x 5m
Depth	*Description*			*C/xt No.*
0 - 0.30m	Ploughsoil. Dark brown (10YR 3/3) silty clay, occasional flints and fluvial gravel 0.03m+. Frequent post-medieval/modern CBM, ceramic and glass inclusions.			7040
0.30m - 0.40m	Subsoil. Dark greyish brown (10YR 4/2) silty clay similar to ploughsoil, with occasional fluvial gravels 0.05m+. Coal inclusions 0.03m+, fewer CBM/ceramic/glass inclusions than for ploughsoil.			7041
0.40m+	Natural fluvial gravels. Very frequent gravel inclusions 0.05m+, with dark yellowish brown (10YR 4/6) sandy matrix and occasional clay lenses			7042

Test pit 706	Plot B	Co-ordinates: 78002 / 52101	Ground level (m OD.): 11.13	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.30m	Ploughsoil. Brown (10YR 4/3) silty clay with frequent fluvial gravel 0.05m+.			7060
0.30m - 0.40m	Subsoil. Brown (10YR 4/3) silty clay - compacted layer beneath the crop turn line of the ploughsoil. Frequent fluvial gravel 0.05m+, and charcoal and coal inclusions 0.02m+.			7061
0.40m - 0.50m	Subsoil. Yellowish brown (10YR 4/6) compacted silt layer with frequent fluvial gravel 0.05m+.			7062
0.50m+	Natural fluvial gravels. Very frequent gravel inclusions 0.07m+, in a dark yellowish brown (10YR 4/6) silty sand matrix.			7063

Test pit 707	Plot B	Co-ordinates: 78047 / 52080	Ground level (m OD.): 11.25	Size: 5m x 5m
Depth	*Description*			*C/xt No.*
0 - 0.30m	Ploughsoil. Brown (10YR 4/3) silty clay with frequent fluvial gravel inclusions 0.05m+.			7070
0.30 - 0.37m	Subsoil. Brown (10YR 4/3) silty clay, compacted, with frequent fluvial gravel inclusions 0.05m+ and charcoal inclusions 0.01m+.			7071
0.37 - 0.42m	Subsoil. Yellowish brown (10YR 4/6) silty clay with occasional fluvial gravel inclusions 0.05m+. Flint core 7072.1 situated at base of layer.			7072
0.42m+	Natural fluvial gravels. Very frequent gravel inclusions 0.05m+, in a dark yellowish brown (10YR 4/6) sandy clay matrix with very frequent iron panning.			7073

Test pit 708	Plot B	Co-ordinates: 78091 / 52058	Ground level (m OD.): 11.34	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.30m	Ploughsoil. Brown (10YR 4/3) silty clay with frequent fluvial gravel inclusions 0.05m+, post-nineteenth century domestic artefacts and the deposition by plough action of shredded crop remnants at a depth of 0.30m.			7080
0.30m - 0.40m	Subsoil. Brown (10YR 4/3) compacted slightly silty clay with frequent charcoal inclusions 0.01m+ and frequent fluvial gravel inclusions 0.05m+.			7081
0.40m+	Natural fluvial gravels. Frequent gravel inclusions 0.05m+ in a dark yellowish brown (10YR 4/6) silty sandy matrix. Frequent iron and staining and concretions.			7082

Test pit 709	Plot B	Co-ordinates: 78020 / 52146	Ground level (m OD.): 11.13	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.34m	Ploughsoil. Dark brown (10YR 3/3) silty clay with frequent modern domestic refuse inclusions and a layer of decayed vegetable matter from the turning of the soil by ploughing at 0.15m below the surface.			7090
0.34m - 0.59m	Subsoil. Dark yellowish brown (10YR 4/6) sandy clay with occasional fluvial gravel inclusions 0.05m+. Some modern domestic refuse inclusions.			7091
0.59m+	Natural sand with clay lenses. Yellowish brown (10YR 5/8) sand with frequent iron staining combined with dark yellowish brown (10YR 3/6) clay lenses within the predominantly sandy natural.			7092

Test pit 711	Plot B	Co-ordinates: 78111 / 52108	Ground level (m OD.): 11.67	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.30m	Ploughsoil. Brown (10YR 4/3) silty clay with frequent flints and fluvial gravel inclusions 0.05m+, and inclusions of modern domestic refuse.			7110
0.30m - 0.40m	Subsoil. Brown (10YR 4/3) compacted silty clay with occasional fluvial gravel inclusions 0.05m+ and frequent charcoal inclusions 0.05m+.			7111
0.40m - 0.47m	Subsoil. Dark yellowish brown (10YR 4/6) compacted silty clay with occasional fluvial gravel inclusions 0.05m+.			7112
0.47m+	Natural fluvial gravels. Very frequent gravel inclusions 0.05m+ in a dark yellowish brown (10YR 4/6) sandy clay matrix. Frequent ferrous staining and concretions.			7113

Test pit 723	Plot A	Co-ordinates: 78032 / 52312	Ground level (m OD.): 11.94	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.30m	Ploughsoil. Brown (10YR 4/3) silty clay with occasional flints and fluvial gravel inclusions 0.05m+, with frequent post-nineteenth century artefact inclusions and a band of decomposing crop remains at the ploughsoil-subsoil interface.			7230
0.30m - 0.53m	Subsoil. Dark yellowish brown (10YR 4/6) compacted silt with occasional fluvial gravel inclusions 0.05m+ and also very occasional coal inclusions 0.01m+.			7231
0.53m+	Natural fluvial gravels. Very frequent gravel inclusions 0.07m+ in a dark yellowish brown (10YR 4/6) fine silt matrix.			7232

Test pit 724	Plot A	Co-ordinates: 78055 / 52307	Ground level (m OD.): 11.99	Size: 1m x1m
Depth	*Description*			*C/xt No.*
0 - 0.35m	Ploughsoil. Brown (10YR 4/3) silty clay with occasional fluvial gravel 0.05m+, very frequent modern domestic artefact inclusions and a layer of decomposing crop at the limit of ploughing.			7240
0.35m - 0.60m	Subsoil. Dark yellowish brown (10YR 4/6) silt with occasional flints and fluvial gravel inclusions 0.05m+ throughout, but with archaeological finds in only the upper 0.10m of the layer.			7241
0.60m+	Natural fluvial gravels. Very frequent gravel inclusions 0.07m+ in a dark yellowish brown (10YR 4/6) silt matrix.			7242

Test pit 725	Plot A	Co-ordinates: 78097 / 52272	Ground level (m OD.): 11.92	Size: 5m x 5m
Depth	*Description*			*C/xt No.*
0 - 0.40m	Ploughsoil. Brown (10YR 4/3) silty clay with occasional flint and fluvial gravel inclusions 0.05m+ and frequent assorted post-nineteenth century artefacts and lenses of decomposing crop, this time not in a continuous layer.			7250
0.40m - 0.55m	Subsoil. Dark yellowish brown (10YR 4/6) compact silt with occasional fluvial gravel inclusions 0.05m+ and archaeological finds only in the upper 0.10m of this layer.			7251
0.55m+	Natural fluvial gravels. Very frequent gravel inclusions 0.07m+ in a dark yellowish brown (10YR 4/6) silt matrix.			7252

Test pit 726	Plot A	Co-ordinates: 78010 / 52345	Ground level (m OD.): 12.02	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0.30m - 1.10m	Subsoil. Dark yellowish brown (10YR 4/6) very compacted silt with very occasional fluvial gravel inclusions 0.05m+ .			7261
1.10m+	Natural fluvial gravels. Frequent gravel inclusions in a light yellowish brown (10YR 3/6) sandy matrix.			7262
Comments:	Due to Health and Safety considerations, hand excavation was halted at a depth of 0.85m. The lower 0.25m of the subsoil layer 7261 (i.e. from 0.85 - 1.10m below ground level), and the natural gravels were investigated by augering.			

Test pit 727	Plot A	Co-ordinates: 78056 / 52332	Ground level (m OD.): 12.07	Size: 5m x 5m
Depth	*Description*			*C/xt No.*
0 - 0.40m	Ploughsoil. Brown (10YR 4/3) silty clay with occasional flints and fluvial gravel inclusions 0.05m+ and also with a high density of flint artefacts within the layer, as well as the frequent presence of modern domestic artefacts.			7270
0.40m - 0.90m	Subsoil. Dark yellowish brown (10YR 4/6) compact silt with occasional flints and fluvial gravel inclusions 0.07m+ throughout, but with archaeological and modern finds within only the upper 0.15m of the layer.			7271
0.90m+	Natural fluvial gravels and sand. Very frequent gravel inclusions 0.07m+ in a dark yellowish brown (10YR 4/6) silt matrix; with dark yellowish brown (10YR 4/4) fine sand natural with no inclusions, underlying and rising around the mainly gravel natural.			7274
Field drain 7272	A linear modern field drain oriented north-east / south-west, cut through the subsoil (7271) and into the natural (7274). 0.20m wide. 0.50m+ deep and 5.0m+ length exposed in the test pit. Filled with 7273, comprising imported large fluvially-rounded gravel inclusions 0.15m+.			7273

Test pit 728	Plot A	Co-ordinates: 78145 / 52264	Ground level (m OD.): 11.79	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.35m	Ploughsoil. Brown (10YR 4/3) silty clay with occasional flints and fluvial gravel inclusions 0.05m+ along with frequent modern domestic debris inclusions and lenses of decomposing vegetable matter.			7280
0.35 - 0.39m	Subsoil. Dark yellowish brown (10YR 4/6) thin layer of compact silt with very occasional fluvial gravel inclusions 0.05m+.			7281
0.39m+	Natural fluvial gravels. Very frequent gravel inclusions 0.07m+ in a dark yellowish brown (10YR 4/6) silt matrix.			7282

Test pit 730	Plot A	Co-ordinates: 78235 / 52190	Ground level (m OD.): 11.35	Size: 5m x 5m
Depth	*Description*			*C/xt No.*
0 - 0.33m	Ploughsoil. Dark greyish brown (10YR 4/2) silty clay with frequent fluvial gravel inclusions 0.05m+			7300
0.33 - 0.50m	Subsoil. Dark yellowish brown (10YR 4/6) sandy clay with occasional fluvial gravel inclusions 0.05m+. This layer increases in depth from 0.07m on the eastern side of the test-pit to 0.17m on the western side, due to the undulations of the underlying natural gravels.			7301
0.50m+	Natural fluvial gravels. Very frequent gravel inclusions 0.08m+ in a dark yellowish brown (10YR 4/6) silt matrix and frequent iron panning. A central ridge of gravels runs into the southern baulk of the test pit, and this has become stained (to dark brown/ brown 10YR 4/3) due to the thinness of the subsoil over this ridge and resultant leaching from the ploughsoil.			7302

Test pit 731	Plot A	Co-ordinates: 78292 / 52170	Ground level (m OD.): 11.43	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.35m	Ploughsoil. Brown (10YR 4/3) silty clay with frequent flints and fluvial gravel inclusions 0.05m+, frequent modern domestic debris such as CBM, glass, ceramics			7310
0.35m - 0.50m	Subsoil. Brown (10YR 5/3) silty clay with occasional fluvial and flint gravel inclusions 0.05m+.			7311
0.50m - 0.63m	Subsoil. Dark yellowish brown (10YR 4/6) sandy layer with a slightly silty content and occasional fluvial gravel inclusions 0.07m+.			7312
0.63m+	Natural fluvial gravels. Very frequent gravel inclusions 0.07m+ in a dark yellowish brown (10YR 4/6) silt matrix with regular iron panning and concretions.			7313

Test pit 732	Plot A	Co-ordinates: 78063 / 52356	Ground level (m OD.): 11.98	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.34m	Ploughsoil. Dark greyish brown (10YR 4/2) silty clay with occasional flints and fluvial gravel inclusions 0.05m+. Frequent modern refuse, CBM, glass and ceramics, and a thin layer of shredded decaying vegetable matter at 0.15m below the surface.			7320
0.34 - 1.21m	Subsoil. Dark yellowish brown (10YR 4/6) compacted silt with occasional fluvial gravel inclusions 0.05m+ and modern ceramic finds but only in the top 0.20m of the subsoil deposit.			7321
1.21m+	Natural fluvial gravels. Very frequent gravel inclusions in a light yellowish brown (10YR 3/6) sand matrix.			7322
Comments:	Due to Health and Safety considerations, hand excavation was halted at a depth of 0.91m. The lower 0.30m of subsoil layer 7321 (i.e. from 0.91 - 1.21m below ground level), and the natural gravels were investigated by augering.			

Test pit 733	Plot A	Co-ordinates: 78082 / 52330	Ground level (m OD.): 12.11	Size: 1m x 1m
Depth	*Description*			*C/xt No.*
0 - 0.35m	Ploughsoil. Brown (10YR 4/6) silty clay with occasional flints and fluvial gravel inclusions 0.05+ and assorted modern CBM, ceramic and glass domestic inclusions.			7330
0.35 - 0.65m	Subsoil. Dark yellowish brown (10YR 4/6) compact silt with occasional fluvial gravel inclusions 0.05m+ and modern artefacts in the upper 0.20m of the layer.			7331
0.65m+	Natural fluvial gravels. Very frequent gravel inclusions 0.07m+ in a dark yellowish brown (10YR 4/6) silt matrix.			7332

CBM: ceramic building materials (e.g. brick, tile, ceramic field drains)

Appendix 6: SUMMARY OF AUGER SURVEY RESULTS

PLOT A			
Auger point	**Thickness of ploughsoil**	**Thickness of subsoil(s)**	**Depth below ground level of natural deposits**
41	0.20	Disturbed due to proximity to road	
42	0.40	-	0.40
44	0.40	0.50	0.90
45	0.40	0.30	0.70
46	0.40	Unable to penetrate subsoil with the auger	
48	0.40	0.30	0.70
49	0.40	0.45	0.85
50	0.40	0.08	0.48
51	0.40	0.10	0.50
52	0.40	0.30	0.70
53	0.45	0.05+	-
65	0.40	0.20	0.60
66	0.36	0.29	0.65
67	0.40	0.30	0.70
68	0.40	0.05	0.45
69	0.35	0.25+	-
70	0.45	0.30	0.75
71	0.35	0.10	0.45
93	0.20	0.30	0.50
94	0.50	0.10	0.60
95	0.45	-	0.45
96	0.40	0.30	0.70
97	0.35	0.35	0.70
98	0.40	0.60+	-
99	0.40	0.40	0.80
100	0.40	0.60	1.00
110	0.40	0.65	1.05
111	0.50	-	0.50
112	0.35	0.15	0.50
113	0.35	0.15	0.55
114	0.45	0.05+	-
115	0.30	0.40	0.70
116	0.35	0.75	1.10
117	0.40	0.20	0.60
118	0.45	0.35+	-
119	0.30	0.70	1.00
127	0.45	-	0.45
128	0.40	0.60	1.00
129	0.50	0.25+	-
130	0.40	0.10	0.50
131	0.40	0.30	0.70
132	0.40	0.15	0.55
133	0.45	0.55+	-
134	0.45	0.55+	-
135	0.40	0.20	0.60
136	0.40	0.55	0.95
142	0.40	0.45	0.85
143	0.40	0.50	0.90
144	0.45	0.30+	-
145	0.40	0.20+	-
146	0.30	0.25+	-
147	0.40	0.25+	-
148	0.40	0.60+	-
149	0.35	0.65	1.00
150	0.55	0.45	0.90
155	0.40	0.45	0.85
156	0.45	0.55	1.00

Auger point	Thickness of ploughsoil	Thickness of subsoil(s)	Depth below ground level of natural deposits
157	0.40	0.50	0.90
158	0.40	0.12	0.52
159	0.38	0.32	0.70
160	0.40	0.60+	-
161	0.40	0.65+	-
162	0.40	0.50+	-
163	0.40	0.50	0.90
164	0.35	0.35+	-
165	0.40	0.30	0.70
166	0.35	0.45	0.80
167	0.40	0.55	0.95
168	0.35	0.15	0.50
169	0.40	0.45	0.85
170	0.40	0.60	1.00
172	0.50	0.10	0.60
173	0.40	-	0.40
174	0.40	0.35	0.75
175	0.40	0.15+	-
176	0.35	Augering abandoned due to stone blocking hole	
177	0.30	0.70	1.00
178	0.25	0.45	0.70
179	0.45	0.05+	-
180	0.45	0.35	0.80
181	0.40	0.10	0.50
182	0.40	0.30	0.70
183	0.35	0.15	0.50
184	0.40	0.35	0.75
185	0.30	0.15+	-
187	0.35	0.35	0.70
188	0.40	0.10+	-
189	0.40	0.35	0.75
191	0.35	0.15+	-
192	0.35	0.35	0.70
193	0.50	0.35+	-

PLOT B			
Auger point	Thickness of ploughsoil	Thickness of subsoil(s)	Depth below ground level of natural deposits
1	0.42	0.20	0.62
2	0.35	0.40	0.75
3	0.40	0.60	1.00
4	0.42	0.08+	-
5	0.38	-	0.38
6	0.38	0.27	0.65
7	0.35	0.30	0.65
8	0.45	0.30+	-
9	0.38	0.22	0.60
10	0.40	0.10+	-
11	0.38	0.10	0.48
12	0.38	0.22	0.60
13	0.35	0.25	0.60
14	0.40	0.20	0.60
15	0.30	0.30+	-
16	0.40	0.20	0.60
17	0.45	0.15	0.60
19	0.38	0.32	0.70
20	0.38	0.22+	-
21	0.35	0.15	0.50

Auger point	Thickness of ploughsoil	Thickness of subsoil(s)	Depth below ground level of natural deposits
22	0.35	0.30	0.65
23	0.48	0.17+	-
24	0.40	0.10+	-
25	0.45	0.15+	-
26	0.40	0.20+	-
27	0.40	0.20+	-
28	0.40	0.30	0.70
29	0.30	0.28+	-
30	0.38	0.37+	-
31	0.35	0.27	0.62
32	0.30	Not possible to auger further	
33	0.38	0.32	0.70
34	0.35	0.30	0.65
35	0.45	0.20	0.65
36	0.40	0.15+	-
37	0.40	0.15	0.55
38	0.40	-	0.40
39	0.45	0.10	0.55
40	0.50	-	0.50
54	0.40	0.40+	-
55	0.30	0.45	0.75
56	0.40	0.50+	-
57	0.36	0.22	0.58
58	0.40	0.25	0.65
59	0.40	0.15	0.55
60	0.40	-	0.40
61	0.35	0.15	0.50
62	0.30	0.20	0.50
63	0.45	0.30+	-
64	0.40	0.20	0.60
72	0.30	0.20+	-
73	0.25	0.85	1.10
74	0.40	0.25+	-
75	0.43	0.17	0.60
76	0.40	0.35+	-
77	0.40	0.25+	-
78	0.35	0.45	0.80
79	0.35	0.25	0.60
80	0.42	0.38+	-
90	0.40	0.30	0.70
91	0.35	0.35+	-
92	0.40	0.10	0.50
101	0.40	0.25+	-
102	0.40	0.20	0.60
103	0.40	0.20	0.60
104	0.40	0.18	0.58
105	0.38	0.17	0.55
106	0.45	0.10	0.55
107	0.40	-	0.40
108	0.40	0.20+	-
109	0.40	0.45	0.85
120	0.38	0.07+	-
121	0.45	0.05+	-
122	0.40	0.22	0.62
123	0.40	0.15	0.55
124	0.40	0.10	0.50
125	0.45	-	0.45
126	0.40	0.15+	-
137	0.30	0.28+	-

Auger point	Thickness of ploughsoil	Thickness of subsoil(s)	Depth below ground level of natural deposits
138	0.38	0.12	0.50
139	0.40	-	0.40
140	0.40	-	0.40
141	0.45	0.15	0.60
151	0.38	Unable to penetrate subsoil with the auger	
152	0.40	0.15+	-
153	0.40	0.40	0.80

APPENDIX 7: CATALOGUE OF AUGER SURVEY RESULTS

All augering was undertaken with a Dutch auger unless otherwise specified

PLOT A - AUGER SURVEY RESULTS

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
41	A	77925 / 52300	12.05	0 - 0.20	10YR 4/3 brown	Silty loam ploughsoil, very dry and lumpy with rotted straw.	Ploughsoil. Would not pick up in auger. Screw auger.
				0.20+		Very loose sand friable layer, turned to dust.	Subsoil. Refused to adhere to auger. No pick-up therefore augering stopped. Positioned very close to main road therefore results may be unreliable.
42	A	77950 / 52300	12.03	0 - 0.40	10YR 3/2 very dark greyish brown	Quite moist silty sand with occasional flint pebbles - moderate at 0.40m.	Ploughsoil
				0.40+		Loose sand and gravel not adhering to auger	Natural
44	A	77975 / 52275	11.95	0 - 0.40	10YR 3/4 dark yellowish brown	Slightly silty sand with very occasional flint pebbles	Ploughsoil
				0.40 - 0.90	10YR 3/6 dark yellowish brown	Slightly silty sand with occasional iron panning, becoming more sandy with depth.	Subsoil
				0.90+		Gravel	Natural
45	A	77975 / 52300	11.94	0 - 0.40	10YR 3/3 dark brown	Silty sand, occasional stones and very occasional flint pebbles, becoming more compact with depth.	Ploughsoil
				0.40 - 0.70	10YR 3/4 dark yellowish brown	Sand, compact and dry. Very occasional iron panning at 0.60m+	Subsoil
				0.70+		Gravel	Natural
46	A	77975 / 52325	12.01	0 - 0.40	10YR 3/3 dark brown	Silty sand with very occasional flint gravel. Sandier with depth.	Ploughsoil
				0.40+		Compacted dry sand	Subsoil. Too compact to auger
48	A	78000 / 52250	11.48	0 - 0.40	10YR 3/3/ dark brown	Silty sand with occasional flint pebbles and straw.	Ploughsoil
				0.40 - 0.70	10YR 3/4 dark yellowish brown	Compact sandy clay with occasional iron panning.	Subsoil
				0.70+		Moderate flint gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
49	A	78000 / 52275	11.76	0 - 0.40	10YR 3/4 dark yellowish brown	Slightly silty sand with occasional straw	Ploughsoil
				0.40 - 0.85	10YR 3/6 dark yellowish brown	Slightly clayey compact sand with occasiona iron panning.	Subsoil
				0.85+		Moderate flint gravel	Natural
50	A	78000 / 52300	11.80	0 - 0.40	10YR 3/3 dark brown	Silty sand with no inclusions	Ploughsoil
				0.40 - 0.48	10YR 3/6 dark yellowish brown	Very compact and dry sand	Subsoil
				0.48+		Frequent gravel at 0.48m which auger could not penetrate	Natural
51	A	78000 / 52325	11.80	0 - 0.40	10YR 3/3 dark brown	Silty sand with occasional flint pebbles	Ploughsoil
				0.40 - 0.50	Dark reddish brown	Compact and dry sand	Subsoil
				0.50+	Reddish brown	Very loose sand with occasional flint gravel not adhering to auger	Natural
52	A	78000 / 52350	12.02	0 - 0.40	10YR 3/3 dark brown	Silty sand with occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.70	Reddish brown	Moist and fairly compact sand	Subsoil
				0.70 - 1.00+		Very occasional gravel at 0.70m. Abandoned at 1.00m with no change.	Natural
53	A	78000 / 52367	12.07	0 - 0.45	10YR 3/3 dark brown	Slightly silty sand with occasional straw	Ploughsoil
				0.45 - 0.50+	10YR 3/3 dark brown	Silty sand, more compact than ploughsoil. Contains CBM fragments. Located very close to road, abandoned at 0.50m	Subsoil
65	A	78024 / 52225	11.57	0 - 0.40	10YR 3/4 Dark yellowish brown	Silty sand with occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.60	10YR 3/6 Dark yellowish brown	Fine sand with occasional flint gravel and iron panning	Subsoil
				0.60+	10YR 4/6 Dark yellowish brown	Loose sand and gravel	Natural
66	A	78025 / 52250	11.67	0 - 0.36	10YR 3/4 dark yellowish brown	Fine silty sand	Ploughsoil
				0.36 - 0.65	10YR 3/6 dark yellowish brown	Very slightly silty compact sand, with very occasional flint gravel, becoming more sandy with depth. Occasional iron panning.	Subsoil
				0.65+		Moderate to frequent gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
67	A	78025 / 52275	11.79	0 - 0.40	10YR 3/4 dark yellowish brown	Very silty sand with very occasional flint pebbles and coke flecks	Ploughsoil
				0.40 - 0.70	10YR 3/6 dark yellowish brown	Slightly silty sand, becoming more sandy with depth. Iron panning.	Subsoil
				0.70+		Moderate to frequent flint gravel	Natural
68	A	78025 / 52300	11.88	0 - 0.40	Greyish brown	Silty clay loam with very occasional flint pebbles and coke fragments	Ploughsoil
				0.40 - 0.45	Orange brown	Sand, quite loose with occasional flint pebbles	Subsoil
				0.45+		Gravel	Natural
69	A	78025 / 52325	11.94	0 - 0.35	10YR 3/3 dark brown	Silty sand with occasional flint pebbles and straw	Ploughsoil
				0.35 - 0.60+	Reddish brown	Very dry and compact sand, with CBM flecks. Not possible to auger any deeper as the soil would not adhere to the auger.	Subsoil
70	A	78025 / 52350	11.94	0 - 0.45	10YR 3/3 dark brown	Slightly silty sand with occasional charcoal flecks at 0.40m	Ploughsoil
				0.45 - 0.75	Reddish brown	Dry and fairly compact dry sand.	Subsoil
				0.75+		Frequent gravel	Natural
71	A	78025 / 52375	11.88	0 - 0.35	10YR 3/3 dark brown	Silty sand, no inclusions	Ploughsoil
				0.35 - 0.45	Reddish brown	Clayey sand	Subsoil
				0.45+		Frequent flint gravel	Natural
93	A	78050 / 52225	11.60	0 - 0.20	Greyish brown	Silty loam, quite moist with occasional flint pebbles and straw	Ploughsoil
				0.20 - 0.50	Greyish brown	Clayey loam, with fewer inclusions than ploughsoil	Subsoil
				0.50+	Orange/grey brown	Silty sand, very compact and gravelly	Natural
94	A	78050 / 52250	11.56	0 - 0.50	10YR 3/4 dark yellowish brown	Slightly silty sand with very occasional flint pebbles, occasional small flint pebbles and straw	Ploughsoil
				0.50 - 0.60	10YR 4/6 dark yellowish brown	Coarse sand with occasional to moderate flint gravel	Subsoil
				0.60+		Frequent gravel	Natural
95	A	78050 / 52275	11.75	0 - 0.45	10YR 3/4 dark yellowish brown	Silty sand with very occasional flint pebbles and occasional straw	Ploughsoil
				0.45 - 0.55+	10YR 3/6 dark yellowish brown	Coarse sand with frequent flint gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
96	A	78050 / 52300	11.99	0 - 0.40	10YR 3/3 dark brown	Slightly silty sand with very occasional flint gravel	Ploughsoil
				0.40 - 0.70	10YR 3/6 dark yellowish brown	Sand, very dry and compact with no visible inclusions	Subsoil
				0.70+		Slightly gravelly and finer texture at 0.70m	Natural
97	A	78050 / 52325	12.07	0 - 0.35	10YR 3/3 dark brown	Silty sand, very occasional; flint pebbles and occasional straw	Ploughsoil
				0.35 - 0.70	10YR 3/6 dark yellowish brown	Sand, very dry and compact, becoming slightly lighter in colour with depth.	Subsoil
				0.70+		Pure sand and gravel	Natural
98	A	78050 / 52350	11.98	0 - 0.40	10YR 3/3 dark brown	Slightly silty sand with no inclusions	Ploughsoil
				0.40 - 0.80	Reddish grey brown	Sand, moist and less compact than the ploughsoil	Subsoil
				0.80 - 1.00+		Very pure fine sand with no inclusion	Subsoil
99	A	78050 / 52375	11.81	0 - 0.40	10YR 3/3 dark brown	Very silty sand, becoming more compact at 0.30m, with occasional flint pebbles and moderate straw	Ploughsoil
				0.40 - 0.80	Reddish brown	Fairly compact sand with no inclusions	Subsoil
				0.80 - 1.00+	Reddish brown	Sandy silt with occasional flint gravel	Natural
100	A	78050 / 52400	11.69	0 - 0.40	10YR 3/3 dark brown	Slightly silty sand with occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.70	Reddish brown	Slightly clayey sand, moist and compact with occasional flint pebbles	Subsoil
				0.70 - 1.00	Reddish brown	Silty sand, becoming lighter in colour, more compact sandy and moist with depth.	Subsoil
				1.00+		Flint gravel	Natural
110	A	78075 / 52200	11.58	0 - 0.40	10YR 3/4 dark yellowish brown	Silty sand, very occasional flint gravel, occasional straw	Ploughsoil
				0.40 - 1.05	10YR 4/6 dark yellowish brown	Dry sand, moderate iron pan at 0.60m.	Subsoil
				1.05+		Moderate flint gravel, slightly lighter in colour	Natural
111	A	78075 / 52225	11.59	0 - 0.50	10YR 4/3 brown	Sandy silt with occasional flint pebbles	Ploughsoil
				0.50+	10YR 4/6 dark yellowish brown	Slightly silty sand with moderate to frequent flint gravel, increasing with depth	Natural
112	A	78075 / 52250	11.69	0 - 0.35	Greyish brown	Silty loam with no inclusions	Ploughsoil
				0.35 - 0.50	Reddish brown	Clayey sand with occasional iron pan fragments	Subsoil
				0.50+		Very loose sand and gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
113	A	78075 / 52275	11.89	0 - 0.35	Dark reddish brown	Silty sand, crumbly with very occasional flint pebbles, straw and coke fragments.	Ploughsoil
				0.35 - 0.55	Orange brown	Sand, very loose, fine and dry with very occasional iron panning	Subsoil
				0.55+		Moderate flint gravel, with sand matrix too loose to auger	Natural
114	A	78075 / 52300	12.01	0 - 0.45	Reddish brown	Very slightly silty sand, with very occasional flint pebbles, straw and occasional charcoal flecks at 0.38m. Quite loose, becoming more compact with depth.	Ploughsoil
				0.45 - 0.50+	Light reddish brown	Sand, very fine and loose with occasional flint gravel. Too loose to auger any deeper.	Subsoil
115	A	78075 / 52325	12.11	0 - 0.30	Reddish brown	Silty sand with no inclusions.	Ploughsoil
				0.30 - 0.70	Reddish brown	Very fine, loose sand, very pure and dry.	Subsoil
				0.70+		Flint gravel	Natural
116	A	78075 / 52350	11.87	0 - 0.35	10YR 3/3 brown	Silty sand with very occasional flint pebbles	Ploughsoil
				0.35 - 0.45	Slightly reddish brown	Very fine silty sand, very moist and quite loose.	Subsoil
				0.45 - 1.10	Dark reddish brown	Pure sand, quite loose	Subsoil
				1.10+		Slightly gravelly and moist	Natural
117	A	78075 / 52375	11.80	0 - 0.40	10YR 3/3 dark brown	Silty sand with very occasional flint pebbles and occasional straw	Ploughsoil
				0.40 - 0.60	Reddish brown	Fine sand. Very loose and dry.	Subsoil
				0.60+		Gravel and iron panning.	Natural
118	A	78075/ 52400	11.65	0 - 0.45	10YR 3/3 dark brown	Silty sand, with very occasional flint pebbles and charcoal flecks	Ploughsoil
				0.45 - 0.80+	10YR 3/6 dark yellowish brown	Clayey sand, very compact with occasional flint pebbles. Occasional iron pan flecks at 0.80m. More compact with depth. Abandoned at 0.80m.	Subsoil
119	A	78075 / 52425	11.61	0 - 0.30	Dark brown	Sandy silt loam, moist	Ploughsoil. Screw auger.
				0.30 - 0.70	Light yellowish brown	Sandy silt loam, drier than ploughsoil.	Subsoil
				0.70 - 1.00	Very pale brown	Gritty sandy silt loam, with iron panning. very compact.	Subsoil
				1.00+		Gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
127	A	78100 / 52175	11.71	0 - 0.45	10YR 3/3 Dark brown	Silty loam with very occasional flint gravel and straw	Ploughsoil
				0.45 - 0.60+	10YR 4/6 Dark yellowish brown	Fine sand with occasional iron panning and flint gravel increasing with depth	Natural
128	A	78100 / 52200	11.74	0 - 0.40	10YR 3/3 dark brown	Slightly silty sand with rare flint pebbles	Ploughsoil
				0.40 - 1.00	10YR 3/6 dark yellowish brown	Slightly moist sand, with iron pan at 0.60m	Subsoil
				1.00+		Gravel	Natural
129	A	78100 / 52225	11.74	0 - 0.50	10YR 4/3 brown	Slightly silty sand with very occasional flint pebbles	Ploughsoil
				0.50 - 075+	10YR 3/4 dark yellowish brown	Fine sand, with occasional flint gravel and iron panning, becoming more frequent with depth. Became very dry and compact at 0.60m. Augering halted at 0.75m	Subsoil
130	A	78100 / 52250	11.82	0 - 0.40	Greyish brown	Silty loam, no inclusions	Ploughsoil
				0.40 - 0.50	Reddish grey brown	Slightly clayey sand, fairly compact with occasional iron pan	Subsoil
				0.50 - 0.60+	Orange	Sand, very loose with moderate gravel	Natural
131	A	78100 / 52275	11.92	0 - 0.40	Greyish red brown	Silty sand, very crumbly with no inclusions	Ploughsoil
				0.40 - 0.70	Orange/red brown	Sand, very fine, loose and dry	Subsoil
				0.70+		Gravel	Natural
132	A	78100 / 52300	11.92	0 - 0.40	Deep reddish brown	Silty sand, moist with occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.55	Light reddish brown	Sand, very pure, dry and compact.	Subsoil
				0.55+		Very loose fine sand and flint gravel	Natural
133	A	78100 / 52325	11.96	0 - 0.45	10YR 3/3 dark yellowish brown	Silty sand with occasional flint pebbles and straw	Ploughsoil
				0.45 - 1.00+	Reddish brown	Very fine sand, loose and dry, no inclusions. More compact at 0.90m. Augering abandoned at 1.00m, no change	Subsoil
134	A	78100 / 52350	11.86	0 - 0.45	10YR 3/3 brown	Silty sand with very occasional flint pebbles	Ploughsoil
				0.45 - 1.00+	Reddish brown	Fine sand, moist and quite loose, becoming drier and more compact with depth. Abandoned at 1.00m.	Subsoil

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
135	A	78100 / 52375	11.77	0 - 0.40	Dark greyish brown	Very silty sand with very occasional flint pebbles	Ploughsoil
				0.40 - 0.60	Reddish brown	Sand, fairly moist and compact	Subsoil
				0.60+		Gravel	Natural
136	A	78100 / 52400	11.90	0 - 0.40	10YR 3/3 dark brown	Silty sand with occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.60	Reddish brown	Slightly silty sand, quite moist and compact	Subsoil
				0.60 - 0.95	Reddish brown	Sand, very pure, compact and dry.	Subsoil
				0.95+		Gravel	Natural
142	A	78125 / 52175	11.89	0 - 0.40	10YR 3/3 brown	Silty sand with occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.85	Reddish brown	Sand, dry and loose with no inclusions. Becoming more dry with depth.	Subsoil
				0.85 - 0.95+		Occasional flint gravel and iron pan at 0.85m. Abandoned at 0.95m.	Natural
143	A	78125 / 52200	11.82	0 - 0.40	10YR 3/3 dark brown	Silty sand, moderate straw and coke at base of layer.	Ploughsoil
				0.40 - 0.90	10YR 3/6 dark yellowish brown	Loose slightly silty sand with very occasional flint gravel and occasional charcoal flecks	Subsoil
				0.90+		Gravel	Natural
144	A	78125 / 52225	11.81	0 - 0.45	10YR 4/3 brown	Silty sand with very occasional flint pebbles.	Ploughsoil
				0.45 - 0.60	10YR 4/6 dark yellowish brown	Very slightly silty sand with very occasional flint gravel.	Subsoil
				0.60 - 0.75+		Pure sand, very clean with no inclusions. Augering stopped at 0.75m	Subsoil
145	A	78125 / 52250	11.83	0 - 0.40	Greyish brown	Sandy loam with very occasional flint pebbles	Ploughsoil
				0.40 - 0.60+	Pale reddish brown	Fine sand, loose and dry. Became too difficult to auger after 0.60m	Subsoil
146	A	78125 / 52275	11.79	0 - 0.30	Greyish brown	Sandy loam with occasional flint gravel and straw	Ploughsoil
				0.30 - 0.55+	Reddish grey brown	Slightly clayey sand, with very occasional flint gravel, increasing with depth.	Subsoil
147	A	78125 / 52300	11.90	0 - 0.40	Slightly reddish grey brown	Slightly silty sand with very occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.65+	Reddish brown	Sand, very dry and loose, no inclusions. Too loose to adhere to auger	Subsoil
148	A	78125 / 52325	11.88	0 - 0.40	Brown	Sandy silt with occasional flint pebbles and straw	Ploughsoil
				0.40 - 1.00+	Reddish brown	Very pure fine sand with no inclusions. Abandoned at 1.00m	Subsoil

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
149	A	78125 / 52350	11.85	0 - 0.35	10YR 3/3 brown	Silty sand, no inclusions	Ploughsoil
				0.35 - 0.45	Reddish brown	Clayey sand, very compact	Subsoil
				0.45 - 1.00+	Dark reddish brown	Sand, very dry and loose	Subsoil
				1.00+		Flint gravel	Natural
150	A	78125 / 52375	11.86	0 - 0.55	Greyish red brown	Silty sand with occasional straw	Ploughsoil
				0.55 - 0.90	Reddish brown	Fine sand, moist and fairly compact, becoming drier and more compacted with depth.	Subsoil
				0.90+		Flint gravel and occasional iron pan	Natural
155	A	78150 / 52175	11.85	0 - 0.40	Reddish brown	Silty sand, moist with occasional charcoal flecks	Ploughsoil
				0.40 - 0.60	Reddish brown	Very slightly silty sand, becoming more dry and compact with depth. Occasional charcoal flecks to 0.60m.	Subsoil
				0.60 - 0.85		Sand, with occasional to moderate iron pan	Subsoil
				0.85+	Dark reddish brown	Sandy clay. Very compact and difficult to auger, abandoned at this point.	Natural
156	A	78150 / 52200	11.76	0 - 0.45	10YR 3/3 dark brown	Silty sand with very occasional gravel and straw	Ploughsoil
				0.45 - 1.00	10YR 3/4 dark yellowish brown	Fine dry sand, some iron panning.	Subsoil
				1.00+		Gravel	Natural
157	A	78150 / 52225	11.70	0 - 0.40	10YR 3/3 dark brown	Slightly silty sand, occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.90	10YR 3/6 dark yellowish brown	Very dry fine sand, very pure with no inclusions. Becomes lighter with depth.	Subsoil
				0.90+		Gravel	Natural
158	A	78150 / 52250	11.78	0 - 0.40	Greyish brown	Silty loam with occasional straw	Ploughsoil
				0.40 - 0.52	Orange brown	Fine sand, very dry and loose	Subsoil
				0.52		Flint gravel	Natural
159	A	78150 / 52275	11.88	0 - 0.38	10YR 4/3 brown	Very slightly clayey sand with very occasional flint pebbles	Ploughsoil
				0.38 - 0.70	10YR 4/6 dark yellowish brown	Compact very slightly clayey sand, with traces of iron panning	Subsoil
				0.70+	10YR 4/6 dark yellowish brown	Sand with moderate to frequent flint gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
160	A	78150 / 52300	12.09	0 - 0.40	Reddish grey brown	Slightly silt sand, fairly loose with no inclusions	Ploughsoil
				0.40 - 0.60	Deep reddish brown	Compact clayey sand with no inclusions	Subsoil
				0.60 - 0.80	Deep reddish brown	Sand, fairly loose with occasional flint pebbles	Subsoil
				0.80 - 1.00+	Reddish brown	Sandy silt, moist with frequent streaks of iron pan	Subsoil
161	A	78150 / 52325	11.89	0 - 0.40	Mid brown	Slightly sandy silt, no inclusions	Ploughsoil
				0.40 - 0.55	Slightly red brown	Silty sand, very compact	Subsoil
				0.55 - 0.60	Yellowish brown	Sandy clay, extremely compact	Subsoil
				0.60 - 1.05+	Yellowish brown	Silty, sandy loam, occasional to moderate iron panning at 1.05m	Subsoil
162	A	78150 / 52350	11.74	0 - 0.40	10YR 3/3 brown	Very silty sand with occasional straw	Ploughsoil
				0.40 - 0.90	Reddish brown	Slightly clayey sand, very compact with occasional iron pan	Subsoil
				0.90+	Dark reddish brown	Very moist sand	Subsoil
163	A	78175 / 52125	11.93	0 - 0.40	10YR 4/2 Dark greyish brown	Silty loam with occasional flint pebbles, coke and straw fragments	Ploughsoil
				0.40 - 0.90	10YR 3/6 Dark yellowish brown	Dry, slightly clayey sand with moderate iron panning and occasional flint pebbles	Subsoil
				0.90+	10YR 5/6 Yellowish brown	Fine sand with flint gravel and iron panning	Natural
164	A	78175 / 52150	11.89	0 - 0.35	Brown	Silty sand, no inclusions	Ploughsoil
				0.35 - 0.70	Slightly red brown	Fine silty sand, compact with occasional iron pan	Subsoil
				0.70+	Deep reddish brown	Very fine, dry sand, compact and extremely difficult to penetrate with the auger	Subsoil
165	A	78175 / 52175	11.86	0 - 0.40	Brown	Very slightly silty sand, occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.50	Reddish brown	Very slightly silty sand, occasional CBM flakes	Subsoil
				0.50 - 0.70	Dark reddish brown	Clayey sand, very compact with moderate iron pan	Subsoil
				0.70+		Gravel	Natural
166	A	78175 / 52200	11.71	0 - 0.35	10YR 3/3 dark brown	Slightly silty sand, occasional flint pebbles and straw	Ploughsoil
				0.35 - 0.50	10YR 3/4 dark yellowish brown	Dry, compact slightly sifty sand with iron panning	Subsoil
				0.50 - 0.80		Pure sand, lighter in colour than above layer, and iron panning.	Subsoil
				0.80+		Gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
167	A	78175 / 52225	11.62	0 - 0.40	10YR 4/2 dark greyish brown	Silty sand, no flint pebbles. Traces of straw	Ploughsoil
				0.40 - 0.95	10YR 3/4 dark yellowish brown	Dry fine sand, no inclusions, iron panning at 0.70m	Subsoil
				0.95+		Occasional gravel, lighter in colour	Natural
168	A	78175 / 52250	11.68	0 - 0.35	10YR 3/3 dark brown	Slightly silty sand, occasional straw throughout	Ploughsoil
				0.35 - 0.50	10YR 3/4	Compact sand, with very occasional flint pebbles	Subsoil
				0.50+		Gravel	Natural
169	A	78175 / 52300	11.87	0 - 0.40	Greyish brown	Slightly silty sand, with very occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.60	Reddish brown	Clayey sand, quite dry and very compact with occasional iron panning	Subsoil
				0.60 - 0.85	Light reddish brown	Clayey sand, becoming more sandy with depth	Subsoil
				0.85+		Moderate flint gravel	Natural
170	A	78175 / 52325	11.63	0 - 0.40	Reddish brown	Silty sand with occasional straw	Ploughsoil
				0.40 - 0.60		Slightly silty sand, moist with very occasional flint gravel and occasional iron panning. Becomes more sandy and compact with depth.	Subsoil
				0.60 - 1.00	Reddish brown	Very slightly silty sand with occasional iron panning	Subsoil
				1.00+		Very pure, moist sand and flint gravel	Natural
172	A	78200 / 52105	11.93	0 - 0.50	10YR 3/3 Dark brown	Slightly clayey loam with very occasional flint pebbles and charcoal flecks	Ploughsoil
				0.50 - 0.60	10YR 3/4 Dark yellowish brown	Compacted clayey sand with occasional flint gravel and coke fragments	Subsoil
				0.60+	10YR 4/6 Dark yellowish brown	Slightly clayey sand with moderate flint gravel and iron panning	Natural
173	A	78200 / 52125	11.90	0 - 0.40	10YR 4/3 Dark brown	Silty loam with occasional flint pebbles and slate fragments	Ploughsoil
				0.40+	10YR 3/6 Dark yellowish brown	Moist sand with moderate iron panning becoming increasingly more gravelly with depth.	Natural
174	A	78200 / 52150.	12.00	0 - 0.40	10YR 3/3 brown	Very slightly silty sand. CBM fragments present.	Ploughsoil
				0.40 - 0.75		Slightly clayey sand, very occasional flint pebbles and iron panning. Becoming more compact with depth.	Subsoil
				0.75+		Gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
175	A	78200 / 52175	11.72	0 - 0.40	Reddish brown	Slightly silty sand, very occasional flint pebbles and charcoal flecks	Ploughsoil
				0.40 - 0.55+	Reddish brown	Very slightly clayey sand, with moderate iron panning and occasional flint pebbles. Fairly loose at 0.55m - abandoned	Subsoil
176	A	78200 / 52200	11.53	0 - 0.35	10YR 3/3 dark brown	Slightly silty sand, with occasional flint gravel and straw	Ploughsoil
				0.35+	10YR 4/6 dark yellowish brown	Dry fine sand, no inclusions. Hit a stone/gravel - abandoned	Subsoil
177	A	78200 / 52225	11.63	0 - 0.30	10YR 3/4 dark brown	Silty sand, no inclusions	Ploughsoil
				0.30 - 1.00	10YR 3/6 dark yellowish brown	Dry sand, very occasional flint gravel, and iron panning.	Subsoil
				1.00+		Gravel	Natural
178	A	78200 / 52250	11.64	0 - 0.25	Greyish brown	Silty sand, with occasional flint pebbles and straw	Ploughsoil
				0.25 - 0.70	Orange brown	Fine sand, very dry and compact, no inclusions	Subsoil
				0.70+		Gravel	Natural
179	A	78225 / 52100	11.52	0 - 0.45	10YR 3/3 Dark brown	Silty sandy loam	Ploughsoil
				0.45 - 0.50	10YR 3/6 Dark yellowish brown	Very slightly clayey sand	Subsoil
				0.50+	10YR 4/6 Dark yellowish brown	Sand, compact with occasional iron panning	Subsoil
180	A	78225 / 52125	11.81	0 - 0.45	10YR 4/2 Dark greyish brown	Silty sand with occasional flint pebbles and traces of coke	Ploughsoil
				0.45 - 0.55	10YR 3/6 Dark yellowish brown	Compacted clayey sand with occasional flint pebbles	Subsoil
				0.55 - 0.80	10YR 4/6 Dark yellowish brown	Compacted sand with moderate iron panning and occasional flint gravel	Subsoil
				0.80+	10YR 5/6 Yellowish brown	Coarse sand and flint gravel with iron panning	Natural
181	A	78225 / 52150	12.08	0 - 0.40	10YR 3/3 Brown	Silty clay loam	Ploughsoil
				0.40 - 0.50	10YR 4/6 Dark yellowish brown	Clayey sand, very compact with occasional iron panning	Subsoil
				0.50 - 0.60+	Reddish brown	Sand and flint gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
182	A	78225 / 52175	11.64	0 - 0.40	Reddish brown	Silty sand with very occasional flint pebbles and charcoal flecks	Ploughsoil
				0.40 - 0.70	10YR 4/2 Dark greyish brown	Clayey sand with occasional flint pebbles and iron panning	Subsoil
				0.70+		Compact sand and gravel	Natural
183	A	78225 / 52200	11.35	0 - 0.35	10YR 3/4 Dark yellowish brown	Slightly silty sand with occasional flint pebbles and straw	Ploughsoil
				0.35 - 0.50	10YR 3/6 dark yellowish brown	Compact sandy clay with moderate iron panning and occasional flint pebbles	Subsoil
				0.50+	10YR 4/6 dark yellowish brown	Sand and gravel with occasional iron panning	Natural
184	A	78225 / 52225	11.62	0 - 0.40	10YR 3/4 Dark yellowish brown	Silty sand with occasional flint pebbles at the base of the layer	Ploughsoil
				0.40 - 0.75	10YR 3/6 Dark yellowish brown	Compacted dry sand with occasional flint gravel	Subsoil
				0.75 - 0.85+		Sand with frequent iron panning and flint gravel	Natural
185	A	78250 / 52105		0 - 0.30	10YR 3/3 Brown	Silty loam with occasional straw	Ploughsoil. Situated on ridge at edge of field
				0.30 - 0.45	10YR 3/4 Dark yellowish brown	Sand, very dry with occasional straw fragments	Subsoil
				0.45+	10YR 3/6 Dark yellowish brown	Compact sand with occasional black, sooty flecks	Subsoil
187	A	78250 / 52150	11.89	0 - 0.35	10YR 3/3 Brown	Silty clay loam with occasional straw	Ploughsoil
				0.35 - 0.70	Dark reddish brown	Clayey sand, very compact with occasional iron panning	Subsoil
				0.70+		Sand and flint gravel which does not adhere well to auger	Natural
188	A	78250 / 52175	11.53	0 - 0.40	Reddish brown	Very slightly silty sand with occasional straw	Ploughsoil
				0.40 - 0.50+	10YR 5/8 Yellowish brown	Loose, dry sand with moderate iron panning	Subsoil
189	A	78250 / 52200	11.49	0 - 0.40	10YR 3/4 Dark yellowish brown	Silty sand with very occasional fine flint gravel	Ploughsoil
				0.40 - 0.75	10YR 4/6 Dark yellowish brown	Dry, compact sand with occasional iron panning	Subsoil
				0.75 +		Gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
191	A	78275 / 52175	11.43	0 - 0.20	Reddish brown	Slightly silty sand with occasional straw	Ploughsoil
				0.20 - 0.35	Reddish brown	Very dry, slightly silty sand with occasional flint gravel	Ploughsoil
				0.35 - 50	Deep reddish brown	Very fine, dry sand with occasional iron panning	Subsoil
192	A	78275 / 52200	11.58	0 - 0.35	10YR 3/3 Brown	Sandy silt loam with occasional flint pebbles and straw	Ploughsoil
				0.35 - 0.70	10YR 3/6 Dark yellowish brown	Vary dry, compact sand with moderate iron panning	Subsoil
				0.70+		Sand and gravel	Natural
193	A	78300 / 52175	11.55	0 - 0.50	Reddish brown	Sandy loam	Ploughsoil
				0.50 - 0.85	Dark reddish brown	Compact clayey sand. Dry with occasional iron panning	Subsoil
				0.85+	10YR 4/6 Dark yellowish brown	Loose, dry slightly silty sand	Subsoil

'straw' = shredded, dried and decomposing crop stalks. The previous crop in the fields prior to the fieldwork was oilseed rape.
C.B.M. = ceramic building materials, e.g. brick, tile, ceramic field drains)

PLOT B - AUGER SURVEY RESULTS

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
1	B	77900 / 52025	11.74	0 - 0.42	10YR 3/2 Very dark greyish brown	Slightly silty sand with occasional flint gravel and straw	Ploughsoil
				0.42 - 0.62	10YR 4/6 Dark yellowish brown	Slightly clayey sand, moist with occasional flint gravel	Subsoil
				0.62 +	10YR 5/6 Yellowish brown	Fine sand with occasional iron panning and flint gravel	Natural
2	B	77900 / 52050	11.78	0 - 0.35	10YR 3/2 Very dark greyish brown	Fine sandy silt loam with moderate flint gravel and straw	Ploughsoil
				0.35 - 0.75	10YR 3/6 Dark yellowish brown	Fine clayey sand with occasional flint gravel and iron panning	Subsoil
				0.75+	10YR 6/6 Brownish yellow	Very fine silty sand with frequent flint grave	Natural
3	B	77900 / 52075	11.83	0 - 0.40	10YR 4/3 Brown	Silty loam, very loose and gritty	Ploughsoil. Screw auger
				0.40 - 0.60	10YR 3/6 Yellowish brown	Silty loam	Subsoil
				0.60 - 1.00	10YR 4/6 Dark yellowish brown	Compact silty loam	Subsoil
				1.00 - 1.05+	10YR 6/4 Light yellowish brown	Fine silty gravel	Natural. Unable to penetrate further
4	B	77925 / 52000	11.69	0 - 0.42	10YR 3/2 Very dark greyish brown	Fine sandy loam with occasional coke fragments	Ploughsoil
				0.42 - 0.50	10YR 4/6 Dark yellowish brown	Slightly sandy clay with moderate iron panning and flint gravel	Subsoil
				0.50+	10YR 5/6 Yellowish brown	Sand	Subsoil
5	B	77925 / 52025	11.70	0 - 0.38	10YR 3/1 Dark grey	Fine silty sand with occasional flint gravel and straw	Ploughsoil
				0.38 +	10YR 4/6 Dark yellowish brown	Sand with moderate flint gravel	Natural
6	B	77925 / 52050	11.71	0 - 0.38	10YR 3/3 Dark brown	Fine silty sand with occasional flint gravel and coke	Ploughsoil
				0.38 - 0.65	10YR 3/6 Dark yellowish brown	Clayey sand with moderate flint pebbles and iron panning	Subsoil
				0.65+	10YR 3/6 Dark yellowish brown	Fine sand and gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
7	B	77925 / 52075	11.78	0 - 0.35	10YR 3/3 Dark brown	Slightly silty sand with occasional flint pebbles	Ploughsoil
				0.35 - 0.65	10YR 3/4 Dark yellowish brown	Moist silty sand with very occasional flint pebbles and iron panning	Subsoil
				0.65+	10YR 4/6 Dark yellowish brown	Fine sand with moderate flint gravel and iron panning	Natural
8	B	77925 / 52100	11.64	0 - 0.45	10YR 4/2 Dark greyish brown	Fine sandy silt with occasional flint pebbles and straw	Ploughsoil
				0.45 - 0.75+	10YR 3/6 Dark yellowish brown	Slightly silty sand with moderate iron panning and occasional flint gravel	Subsoil
9	B	77950 / 51975	11.26	0 - 0.38	10YR 2/2 very dark brown	Silty loam with very occasional flint pebbles	Ploughsoil
				0.38 - 0.60	10YR 5/8 Yellowish brown	Sandy clay	Subsoil
				0.60+	10YR 5/6 Yellowish brown	Slightly silty sand with fine flint gravel	Natural
10	B	77950 / 52000	11.55	0 - 0.40	10YR 3/2 Very dark greyish brown	Fine sandy loam with moderate flint pebbles	Ploughsoil
				0.40 - 0.50	10YR 4/6 Dark yellowish brown	Clayey sand with moderate flint pebbles	Subsoil
				0.50+	10YR 5/6 Yellowish brown	Sand	Subsoil
11	B	77950 / 52025	11.53	0 - 0.38	10YR 3/3 dark brown	Slightly clayey sand with occasional flint pebbles and straw	Ploughsoil
				0.38 - 0.48	10YR 5/6 Yellowish brown	Slightly clayey sand with moderate flint pebbles and frequent iron panning	Subsoil
				0.48+	10YR 5/6 Yellowish brown	Fine sand, loose with moderate flint gravel	Natural
12	B	77950 / 52050	11.51	0 - 0.38	10YR 3/2 Very dark greyish brown	Slightly silty sand with moderate flint pebbles	Ploughsoil
				0.38 - 0.60	10YR 3/6 Dark yellowish brown	Sandy clay with moderate flint pebbles and iron panning	Subsoil
				0.60+	10YR 4/6 Dark yellowish brown	Slightly silty sand with frequent fine flint gravel	Natural
13	B	77950 / 52075	11.49	0 - 0.35	10YR 3/3 Dark brown	Silty sand with occasional flint pebbles	Ploughsoil
				0.35 - 0.60	10YR 3/6 Dark yellowish brown	Silty sandy loam with occasional iron panning	Subsoil
				0.60+	10YR 4/6 Dark yellowish brown	Slightly silty sand with moderate flint gravel and iron panning	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
14	B	77950 / 52100	11.48	0 - 0.40	10YR 3/3 Dark brown	Fine sandy loam with occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.60	10YR 3/4 Dark yellowish brown	Slightly clayey sand with occasional iron panning	Subsoil
				0.60+	10YR 4/6 Dark yellowish brown	Sand with frequent flint gravel	Natural
15	B	77950 / 52125	11.36	0 - 0.30	10YR 3/3 Dark brown	Sandy silt with occasional flint pebbles, straw and coke fragments	Ploughsoil
				0.30 - 0.60	10YR 4/6 Dark yellowish brown	Fine sandy silt with very occasional flint pebbles and coke fragments	Subsoil
				0.60+	10YR 5/6 Yellowish brown	Very fine sand and silt	Subsoil
16	B	77950 / 52150	11.43	0 - 0.40	10YR 3/3 Dark brown	Slightly silty sand with occasional flint pebbles, coke and straw	Ploughsoil
				0.40 - 0.60	10YR 4/6 Dark yellowish brown	Silty sand with moderate flint pebbles	Subsoil
				0.60+	10YR 4/6 Dark yellowish brown	Sand with moderate flint gravel	Natural
17	B	77950 / 52175	11.37	0 - 0.45	10YR 3/3 Dark brown	Sandy loam with very occasional flint pebbles and coke	Ploughsoil
				0.45 - 0.60	10YR 4/6 Dark yellowish brown	Moist sand	Subsoil
				0.60+		Gravel	Natural
19	B	77975 / 51975	11.08	0 - 0.38	10YR 3/2 Very dark greyish brown	Silty clay loam with occasional flint gravel and modern debris	Ploughsoil
				0.38 - 0.70	10YR 4/6 Dark yellowish brown	Clayey loam with moderate iron panning	Subsoil
				0.70+	10YR 4/6 Dark yellowish brown	Slightly silty sand with moderate to frequent flint gravel	Natural
20	B	77975 / 52000	11.08	0 - 0.38	10YR 3/3 Dark brown	Sandy silt loam with occasional flint pebbles	Ploughsoil
				0.38 - 0.60	10YR 5/8 Yellowish brown	Fine sandy clay with moderate iron panning	Subsoil
				0.60+	10YR 6/8 Brownish yellow	Sand	Subsoil

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
21	B	77975 / 52025	11.32	0 - 0.35	10YR 3/2 Very dark greyish brown	Slightly clayey sand with moderate flint pebbles	Ploughsoil
				0.35 - 0.50	10YR 4/6 Dark yellowish brown	Clayey sand with moderate flint pebbles and iron panning	Subsoil
				0.50+	10YR 4/6 Dark yellowish brown	Sand with frequent flint gravel	Natural
22	B	77975 / 52050	11.41	0 - 0.35	10YR 3/3 Very dark greyish brown	Silty sand with occasional flint pebbles	Ploughsoil
				0.35 - 0.65	10YR 4/6 Dark yellowish brown	Fine clayey sand with occasional flint pebbles and iron panning	Subsoil
				0.65+	10YR 4/6 Dark yellowish brown	Fine sand with moderate flint gravel	Natural
23	B	77975 / 52075	11.34	0 - 0.48	10YR 3/3 Dark brown	Slightly silty sand with very occasional flint pebbles and coke	Ploughsoil
				0.48 - 0.65	10YR 4/6 dark yellowish brown	Compacted fine silty sand with very occasional flint pebbles and iron panning	Subsoil
				0.65+	10YR 4/6 Dark yellowish brown	Compacted fine sand with very occasional flint gravel and iron panning	Subsoil
24	B	77975 / 52100	11.13	0 - 0.40	10YR 3/3 dark brown	Silty sand with occasional flint pebbles and coke	Ploughsoil
				0.40 - 0.50	10YR 4/6 dark yellowish brown	Very compacted slightly clayey sand with moderate iron panning	Subsoil
				0.50+	10YR 4/6 Dark yellowish brown	Sand with moderate iron panning	Subsoil
25	B	77975 / 52125	11.16	0 - 0.45	10YR 3/4 dark yellowish brown	Silty sand with coal and straw fragments. Trace of iron panning at 0.40	Ploughsoil
				0.45 - 0.60	10YR 4/6 Dark yellowish brown	Very compacted slightly silty sand with frequent iron panning	Subsoil
				0.60+	10YR 4/6 Dark yellowish brown	Sand with frequent iron panning	Subsoil
26	B	77975 / 52150	11.19	0 - 0.40	10YR 3/3 Dark brown	Silty loam with occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.60	10YR 5/6 Yellowish brown	Slightly silty sand with occasional flint pebbles and moderate iron panning	Subsoil
				0.60+	10YR 4/6 Dark yellowish brown	Coarse sand with moderate iron panning	Subsoil

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
27	B	77975 / 52175	11.30	0 - 0.40	10YR 3/3 Dark brown	Sandy loam with occasional flint pebbles	Ploughsoil
				0.40 - 0.60	10YR 3/4 Dark yellowish brown	Slightly silty sand with very occasional fine flint gravel	Subsoil
				0.60+	10YR 4/6 Dark yellowish brown	Fine sand with very occasional flint gravel	Subsoil
28	B	77975 / 52200	11.37	0 - 0.40	10YR 3/3 Dark brown	Silty sandy loam with occasional flint gravel and straw	Ploughsoil
				0.40 - 0.70	10YR 4/6 Dark yellowish brown	Slightly silty sand. Moist and compact with flint gravel and coke	Subsoil
				0.70+	10YR 4/6 Dark yellowish brown	Sand with moderate flint gravel	Natural
29	B	78000 / 51950	11.16	0 - 0.30	10YR 3/2 Very dark greyish brown	Clayey loam with occasional flint pebbles, straw and coal	Ploughsoil
				0.30 - 0.42	10YR 4/6 Dark yellowish brown	Fine sandy clay, vary compacted with occasional flint pebbles	Subsoil
				0.42 - 0.58	10YR 5/3 Brown	Very fine sandy clay	Subsoil
				0.58+	10YR 5/1 Grey	Sand	Subsoil
30	B	78000 / 51975	10.80	0 - 0.38	10YR 3/2 Very dark greyish brown	Silty clayey loam with occasional flint pebbles and moderate coal fragments	Ploughsoil
				0.38 - 0.55	10YR 3/6 Dark yellowish brown	Clayey loam with occasional flint pebbles	Subsoil
				0.55 - 0.75	10YR 4/1 Dark grey	Clayey sand with moderate flint gravel	Subsoil
				0.75+	10YR 5/6 Yellowish brown	Sand	Subsoil
31	B	78000 / 52000	10.97	0 - 0.35	10YR 4/2 Dark greyish brown	Sandy loam with occasional fine flint pebbles	Ploughsoil
				0.35 - 0.62	10YR 4/6 Dark yellowish brown	Fine sandy clay with occasional flint gravel and iron panning	Subsoil
				0.62+	10YR 5/6 Yellowish brown	Sand with frequent fine flint gravel	Natural
32	B	78000 / 52025	11.18	0 - 0.30	10YR 3/2 Very dark greyish brown	Fine sandy loam with occasional small flint pebbles and straw	Ploughsoil
				0.30+	10YR 5/8 Yellowish brown	Very slightly silty sand with moderate flint gravel	Subsoil. Not augered further

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
33	B	78080 / 52050	11.39	0 - 0.38	10YR 3/2 Very dark greyish brown	Silty loam with moderate flint pebbles and straw	Ploughsoil
				0.38 - 0.70	10YR 4/6 Dark yellowish brown	Slightly clayey sand with moderate flint grave and occasional iron panning	Subsoil
				0.70+	10YR 5/6 Yellowish brown	Slightly silty sand with frequent flint gravel and iron panning	Natural
34	B	78000 / 52075	11.30	0 - 0.35	10YR 3/3 Dark brown	Fine silty sand with occasional flint pebbles and moderate coke fragments	Ploughsoil
				0.35 - 0.65	10YR 4/6 Dark yellowish brown	Compacted, slightly clayey sand with very occasional flint gravel and iron panning	Subsoil
				0.65+	10YR 5/8 Yellowish brown	Moist, fine sand with frequent flint gravel	Natural
35	B	78000 / 52100	11.13	0 - 0.45	10YR 3/3 Dark brown	Silty loam with moderate straw pieces and occasional flint gravel	Ploughsoil
				0.45 - 0.65+	10YR 3/6 Dark yellowish brown	Slightly silty sand with moderate flint gravel	Natural
36	B	78000 / 52125	11.01	0 - 0.40	10YR 3/2 Very dark greyish brown	Silty sandy loam with very occasional flint pebbles and coke fragments	Ploughsoil
				0.40 - 0.55+	10YR 4/6 Dark Yellowish brown	Silty sand with frequent iron panning and occasional coke fragments	Subsoil. Not augered further
37	B	78000 / 52150	11.19	0 - 0.40	10YR 3/3 Dark brown	Silty sand with moderate flint pebbles	Ploughsoil
				0.40 - 0.55	10YR 4/6 Dark yellowish brown	Slightly silty sand with frequent iron panning and occasional flint pebbles	Subsoil
				0.55+	10YR 5/8 Yellowish brown	Coarse sand with moderate to frequent flint gravel	Natural
38	B	78000 / 52175	11.41	0 - 0.40	10YR 3/3 Dark brown	Sandy loam with occasional flint pebbles, straw and iron panning	Ploughsoil
				0.40+	10YR 4/6 Dark yellowish brown	Sand with moderate to frequent flint gravel	Natural
39	B	78000 / 52200	11.44	0 - 0.45	10YR 3/3 Dark brown	Silty sandy loam with occasional flint gravel, straw and coke fragments	Ploughsoil
				0.45 - 0.55	10YR 4/6 Dark yellowish brown	Slightly silty sand with occasional flint gravel and iron panning	Subsoil
				0.55+	10YR 5/6 Yellowish brown	Coarse sand with moderate flint gravel	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
40	B	78000 / 52225	11.52	0 - 0.50	10YR 3/3 Dark brown	Sandy loam with very occasional flint pebbles and coke fragments	Ploughsoil
				0.50+	10YR 4/6 Dark yellowish brown	Silty sand with moderate flint gravel	Natural
				0.80+	10YR 5/6 yellowish brown	Slightly silty sand	Subsoil
54	B	78025 / 51950	11.10	0 - 0.40	10YR 3/3 Dark brown	Slightly sandy silt with occasional flint pebbles, straw and roots	Ploughsoil
				0.40 - 0.80	10YR 4/6 Dark yellowish brown	Very compacted, slightly silty fine sand with occasional flint gravel and iron panning	Subsoil
				0.80+	10YR 4/6 Dark yellowish brown	Sand	Subsoil
55	B	78025 / 51975	10.82	0 - 0.30	10YR 3/3 Dark brown	Silty clay loam with occasional straw pieces	Ploughsoil
				0.30 - 0.75	10YR 4/6 Dark yellowish brown	Silty clay loam with moderate iron panning and charcoal flecks	Subsoil
				0.75+	10YR 4/3 mottled brown	Slightly silty sand with moderate flint gravel	Natural
56	B	78025 / 52000	10.82	0 - 0.40	10YR 3/2 Very dark greyish brown	Fine sandy clay loam with moderate fine flint gravel and straw	Ploughsoil
				0.40 - 0.90	10YR 4/2 Dark greyish brown	Fine sandy clay with moderate flint gravel and coke fragments	Subsoil
				0.90+	10YR 5/8 Yellowish brown	Moist silty sand	Subsoil
57	B	78025 / 52025	10.98	0 - 0.36	10YR 3/3 Dark brown	Fine sandy loam, moist with occasional flint pebbles and coke fragments	Ploughsoil
				0.36 - 0.58	10YR 4/6 Dark yellowish brown	Slightly clayey sand with occasional fine flint gravel	Subsoil
				0.58+	10YR 3/6 Dark yellowish brown	Sand with moderate to frequent flint gravel	Natural
58	B	78025 / 52050	11.12	0 - 0.40	10YR 3/2 Very dark greyish brown	Fine sandy loam with occasional flint pebbles	Ploughsoil
				0.40 - 0.65	10YR 4/6 Dark yellowish brown	Slightly clayey sand with frequent iron panning	Subsoil
				0.65+	10YR 5/6 Yellowish brown	Slightly silty sand with moderate to frequent flint gravel and iron panning	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
59	B	78025 / 52075	11.25	0 - 0.40	10YR 3/2 Very dark greyish brown	Silty sandy loam with moderate flint pebbles, coke fragments and straw	Ploughsoil
				0.40 - 0.55	10YR 4/6 Dark yellowish brown	Compacted fine silty sand with very occasional flint gravel and moderate iron panning	Subsoil
				0.55+	10YR 5/6 Yellowish brown	Fine sand with moderate flint gravel	Natural
60	B	78025 / 52100	11.19	0 - 0.40	10YR 3/3 Dark brown	Fine sandy loam with very occasional flint pebbles and coke fragments	Ploughsoil
				0.40+	10YR 3/6 Dark yellowish brown	Slightly clayey sand with moderate flint gravel and very occasional sandstone fragments	Natural
61	B	78025 / 52125	11.15	0 - 0.35	10YR 3/3 Dark brown	Silty sand with coke and sandstone fragments	Ploughsoil
				0.35 - 0.50	10YR 3/6 Dark yellowish brown	Slightly silty sand with iron stone and iron panning	Subsoil
				0.50+		Sand and gravel	Natural
62	B	78025 / 52150	11.13	0 - 0.30	10YR 3/2 Very dark greyish brown	Silty loam with very occasional flint pebbles and straw	Ploughsoil
				0.30 - 0.50	10YR 3/6 Dark yellowish brown	Slightly silty sand with occasional coke fragments and flint gravel	Subsoil
				0.50+	10YR 3/6 Dark yellowish brown	Sand with gravel and iron panning	Natural
63	B	78025 / 52175	11.27	0 - 0.45	10YR 3/3 Dark brown	Sandy loam with occasional flint pebbles and straw	Ploughsoil
				0.45 - 0.75	10YR 4/6 Dark yellowish brown	Very compact, slightly clayey sand with occasional flint pebbles	Subsoil
				0.75+	10YR 4/6 Dark yellowish brown	Fine sandy silt with occasional flint gravel	Subsoil
64	B	78025 / 52200	11.43	0 - 0.40	10YR 3/3 Dark brown	Silty sand with occasional flint pebbles, coke and straw	Ploughsoil
				0.40 - 0.60	10YR 4/6 Dark yellowish brown	Very slightly silty sand with frequent iron panning and occasional flint gravel	Subsoil
				0.60+		Sand and gravel	Natural
72	B	78050 / 51950	11.15	0 - 0.30	10YR 3/3 Dark brown	Slightly clayey sand with occasional slag	Ploughsoil
				0.30 - 0.50	10YR 3/6 Dark yellowish brown	Sandy clay with occasional small flint pebbles and iron panning	Subsoil
				0.50+	10YR 4/6 Dark yellowish brown	Sand with very occasional flint pebbles	Subsoil

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
73	B	78050 / 51975	10.83	0 - 0.25	10YR 4/1 Dark grey	Fine sandy clay with moderate flint pebbles	Ploughsoil
				0.25 - 0.80	10YR 5/6 Dark yellowish brown	Compact silty clay with occasional flint pebbles	Subsoil
				0.80 - 1.10	10YR 4/6 Dark yellowish brown	Silt	Subsoil
				1.10+	10YR 5/1 Grey	Sand with frequent fine flint gravel	Natural
74	B	78050 / 52000	10.75	0 - 0.40	10YR 3/2 Very dark greyish brown	Silty clay with occasional flint pebbles and straw	Ploughsoil
				0.40 - 0.65	10YR 4/6 Dark yellowish brown	Fine sandy clay with occasional flint pebbles	Subsoil
				0.65+	10YR 5/6 Yellowish brown	Sand with occasional flint gravel and iron panning	Subsoil
75	B	78050 / 52025	10.84	0 - 0.43	10YR 4/2 Dark greyish brown	Silty clay loam with moderate flint pebbles	Ploughsoil
				0.43 - 0.60	10YR 3/6 Yellowish brown	Sandy clay with moderate flint pebbles and charcoal flecks	Subsoil
				0.60+	10YR 5/ 6 Yellowish brown	Sand with occasional to moderate flint gravel	Natural
76	B	78050 / 52050	10.90	0 - 0.40	10YR 4/2 Dark greyish brown	Silty clay loam with moderate flint pebbles	Ploughsoil
				0.40 - 0.75	10YR 4/6 Dark yellowish brown	Sandy clay with frequent iron panning and moderate flint gravel which increases with depth	Subsoil
				0.75+	10YR 5/4 Yellowish brown	Sand	Subsoil
77	B	78050 / 52075	11.25	0 - 0.40	10YR 3/3 Dark brown	Sandy loam with flint pebbles and occasional straw	Ploughsoil
				0.40 - 0.65	10YR 4/6 Dark yellowish brown	Clayey sand with moderate flint pebbles and iron panning which increases with depth	Subsoil
				0.65+	10YR 4/3 Brown	Sand with occasional flint pebbles	Subsoil
78	B	78050 / 52100	11.22	0 - 0.35	10YR 3/3 Dark brown	Clayey loam with occasional flint pebbles and straw	Ploughsoil
				0.35 - 0.50	10YR 4/4 Dark yellowish brown	Very compact silty clay	Subsoil
				0.50 - 0.80	10YR 4/6 Dark yellowish brown	Sandy clay	Subsoil
				0.80+	10YR 5/6 Yellowish Brown	Sand and flint gravel	Natural
79	B	78050 / 52125	11.23	0 - 0.35	10YR 4/3 Brown	Very silty loam with flint pebbles and straw	Ploughsoil
				0.35 - 0.60	10YR 4/4 Dark yellowish brown	Clayey loam with moderate flint gravel	Subsoil
				0.60+		Loose gravel	Natural. Not adhering to auger

Auger no.	Pit	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
80	B	78025 / 51925	11.28	0 - 0.42	10YR 3/3 Dark brown	Sandy loam with occasional flint pebbles	Ploughsoil
				0.42 - 0.80	10YR 4/2 Dark greyish brown	Very fine sandy clay with frequent iron panning and coal flecks	Subsoil
90	B	78050 / 52150	11.36	0 - 0.40	10YR 4/3 Brown	Sandy loam	Ploughsoil
				0.40 - 0.60	10YR 4/6 Dark yellowish brown	Clayey loam with occasional flint pebbles	Subsoil
				0.60 - 0.70	10YR 5/6 Yellowish brown	Slightly clayey sand with moderate flint gravel	Subsoil
				0.70+	10YR 5/6 Yellowish brown	Sand with frequent flint gravel	Natural
91	B	78050 / 52175	11.33	0 - 0.35	10YR 4/2 Dark greyish brown	Silty loam	Ploughsoil. Screw auger
				0.35 - 0.55	10YR 4/6 Dark yellowish brown	Compact silty clay loam	Subsoil
				0.55 - 0.70	10YR 3/3 Dark brown	Sand with occasional flint gravel	Subsoil
				0.70+	10YR 5/6 Light Yellowish brown	Loose sand	Subsoil
92	B	78050 / 52200	11.49	0 - 0.40	10YR 4/2 Dark greyish brown	Silty clay loam with occasional coke fragments. Becoming more compact with depth	Ploughsoil. Screw auger
				0.40 - 0.50	10YR 4/6 Dark yellowish brown	Compact sandy clay	Subsoil
				0.50+	10YR 4/6 Dark yellowish brown	Slightly silty, loose sand and flint gravel	Natural
101	B	78075 / 51975	11.09	0 - 0.40	10YR 3/3 Dark brown	Silty clay loam and occasional straw	Ploughsoil
				0.40 - 0.65	10YR 3/4 Dark yellowish brown	Slightly clayey fine sand with moderate flint gravel and iron panning	Subsoil
				0.65+	10YR 4/6 Dark yellowish brown	Fine sand with moderate iron panning	Subsoil
102	B	78075 / 52000	11.08	0 - 0.40	10YR 3/2 Very dark greyish brown	Sandy clay loam with occasional flint pebbles and coke fragments	Ploughsoil
				0.40 - 0.60	10YR 4/4 Dark yellowish brown	Slightly clayey sand with occasional fine flint gravel and iron panning	Subsoil
				0.60 +	10YR 5/8 Yellowish brown	Slightly silty sand with frequent flint gravel	Natural
103	B	78075 / 52025	11.12	0 - 0.40	10YR 3/2 Very dark greyish brown	Fine sandy loam with very occasional coke fragments and iron panning	Ploughsoil
				0.40 - 0.60	10YR 3/6 Dark yellowish brown	Slightly clayey sand with moderate fine flint gravel and iron panning	Subsoil
				0.60+	10YR 3/4 Dark yellowish brown	Fine sand with moderate flint gravel and iron panning	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
104	B	78075 / 52050	11.30	0 - 0.40	10YR 3/2 Very dark greyish brown	Clayey sand with occasional flint gravel	Ploughsoil
				0.40 - 0.58	10YR 5/8 Yellowish brown	Clayey sand with very occasional flint gravel and iron panning	Subsoil
				0.58+	10YR 5/8 Yellowish brown	Sand with moderate flint gravel and iron panning	Natural
105	B	78075 / 52075	11.28	0 - 0.38	10YR 3/2 Very dark greyish brown	Silty loam with occasional flint pebbles and coke fragments	Ploughsoil
				0.38 - 0.55	10YR 3/6 Dark Yellowish brown	Slightly clayey sand with occasional flint gravel and iron panning	Subsoil
				0.55+	10YR 4/6 Dark yellowish brown	Fine sand with moderate flint gravel and iron panning	Natural
106	B	78075 / 52100	11.29	0 - 0.45	10YR 3/3 Dark brown	Sandy silty loam with occasional flint pebbles and coke fragments	Ploughsoil
				0.45 - 0.55	10YR 3/4 dark yellowish brown	Slightly clayey fine sand with moderate flint gravel and iron panning	Subsoil
				0.55+	10YR 4/6 Dark yellowish brown	Fine sand with frequent flint gravel	Natural
107	B	78075 / 52125	11.28	0 - 0.40	10YR 3/3 Dark brown	Silty sand with very occasional flint pebbles, straw and coke fragments	Ploughsoil
				0.40+	10YR 3/6 Dark yellowish brown	Moist sand with frequent flint gravel and iron panning	Natural
108	B	78075 / 52150	11.47	0 - 0.40	10YR 3/2 Very dark greyish brown	Silty sand with very occasional flint pebbles, coke fragments and straw	Ploughsoil
				0.40 - 0.60	10YR 4/6 Dark yellowish brown	Silty sand with iron panning and very occasional flint pebbles	Subsoil
				0.60+	10YR 3/6 Dark yellowish brown	Moist sand with occasional flint gravel	Subsoil
109	B	78075 / 52175	11.53	0 - 0.40	10YR 3/3 Dark brown	Sandy loam with occasional straw and coke fragments	Ploughsoil
				0.40 - 0.85	10YR 4/6 Dark yellowish brown	Very slightly clayey sand with very occasional flint gravel and iron panning	Subsoil
				0.85+	10YR 5/8 Yellowish brown	Slightly silty sand with occasional to moderate flint gravel and iron panning	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
120	B	78100 / 52000	11.31	0 - 0.38	10YR 3/3 Dark brown	Fine sandy loam with occasional coke fragments and straw	Ploughsoil
				0.38 - 0.45	10YR 4/4 Dark yellowish brown	Slightly clayey sand with occasional flint pebbles and moderate iron panning	Subsoil
				0.45+	10YR 4/6 Dark yellowish brown	Sand	Subsoil
121	B	78100 / 52025	11.19	0 - 0.45	10YR 3/3 Dark brown	Fine sandy loam with occasional flint pebbles and coke fragments	Ploughsoil
				0.45 - 0.50	10YR 3/6 Dark yellowish brown	Slightly clayey fine sand with occasional iron panning	Subsoil
				0.50+	10YR 5/8 Yellowish brown	Compacted sand	Subsoil
122	B	78100 / 52050	11.43	0 - 0.40	10YR 4/2 Dark greyish brown	Sandy loam with occasional flint gravel, coke and straw	Ploughsoil
				0.40 - 0.62	10YR 4/6 Dark yellowish brown	Compacted clayey sand with occasional flint gravel and iron panning	Subsoil
				0.62+	10YR 3/6 Dark yellowish brown	Slightly silty sand with moderate fine flint gravel	Natural
123	B	78100 / 52075	11.43	0 - 40	10YR 3/3 Dark brown	Sandy silt loam with frequent flint gravel	Ploughsoil
				0.40 - 0.55	10YR 4/6 Dark yellowish brown	Compacted silty sand with moderate flint gravel and iron panning	Subsoil
				0.55+	10YR 4/6 Dark yellowish brown	Fine sand with moderate flint gravel and iron panning	Natural
124	B	78100 / 52100	11.46	0 - 0.40	10YR 3/3 Dark brown	Fine sandy loam with occasional coke, moderate flint gravel and straw	Ploughsoil
				0.40 - 0.50	10YR 3/6 Dark yellowish brown	Fine clayey sand with occasional flint gravel and iron panning	Subsoil
				0.50+	10YR 4/6 Dark yellowish brown	Fine sand with moderate flint gravel and iron panning	Natural
125	B	78100 / 52125	11.47	0 - 0.45	10YR 3/3 Dark brown	Silty loam with occasion flint pebbles, charcoal flecks and straw	Ploughsoil
				0.45+	10YR 4/6 Dark yellowish brown	Slightly clayey sand with moderate to frequent flint gravel and iron panning	Natural

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
126	B	78100 / 52150	11.69	0 - 0.40	10YR 3/2 Very dark greyish brown	Sandy silt with occasional flint pebbles and coke fragments	Ploughsoil
				0.40 - 0.55	10YR 4/6 Dark yellowish brown	Silty sand with frequent iron panning	Subsoil
				0.55+	10YR 4/6 Dark yellowish brown	Sand with frequent iron panning	Subsoil
137	B	78125 / 52050	11.76	0 - 0.30	10YR 3/3 Dark brown	Sandy silty loam with occasional coke and CBM fragments	Ploughsoil
				0.30 - 0.58	10YR 3/6 Dark yellowish brown	Very fine clayey sand with iron panning	Subsoil
				0.58+	10YR 4/6 Dark yellowish brown	Fine sand with iron panning	Subsoil
138	B	78125 / 52075	11.67	0 - 0.38	10YR 3/3 Dark brown	Fine sandy loam with occasional to moderate coke fragments and flint pebbles	Ploughsoil
				0.38 - 0.50	10YR 4/6 Dark yellowish brown	Slightly clayey sand with very occasional flint gravel and iron panning	Subsoil
				0.50+	10YR 4/6 Dark yellowish brown	Fine sand with moderate flint gravel	Natural
139	B	78125 / 52100	11.67	0 - 0.40	10YR 3/3 Dark brown	Silty loam with occasional large flint pebbles	Ploughsoil
				0.40 - 0.50+	10YR 4/6 Dark yellowish brown	Fine sand with occasional to moderate flint gravel and iron panning	Natural
140	B	78125 / 52125	11.76	0 - 0.40	10YR 3/3 Dark brown	Silty loam with occasional flint pebbles and coke fragments	Ploughsoil
				0.40+	10YR 3/6 Dark yellowish brown	Clayey sand with moderate flint gravel and iron panning	Natural
141	B	78125 / 52150	11.93	0 - 0.45	10YR 3/3 dark brown	Silty clay loam, with very occasional flint gravel and traces of coke	Ploughsoil
				0.45 - 0.60	10YR 4/6 dark yellowish brown	Slightly clayey sand with occasional flint gravel and iron pan	Subsoil
				0.60+	10YR 5/6 yellowish brown	Coarse sand with occasional flint gravel and iron pan	Natural
151	B	78150 / 52075	11.86	0 - 0.38	10YR 3/3 Dark brown	Fine sandy loam with very occasional flint pebbles	Ploughsoil
				0.38+	10YR 4/6 Dark yellowish brown	Very slightly clayey sand, compacted with moderate iron panning	Subsoil

Auger no.	Plot	Co-ordinates SK	Ground level (m. OD)	Depth (m)	Colour	Texture and description	Comments
152	B	78150 / 52100	11.81	0 - 0.40	10YR 3/3 Dark brown	Silty loam with occasional flint pebbles and coke fragments	Ploughsoil
				0.40 - 0.55	10YR 4/6 Dark yellowish brown	Slightly clayey sand with occasional straw fragments at top of deposit	Subsoil
				0.55+	10YR 4/6 Dark yellowish brown	Fine sand with occasional iron panning	Subsoil
153	B	78150 / 52125	11.82	0 - 0.40	10YR 3/3 Dark brown	Silty sand with very occasional flint pebbles, occasional coke , straw and root fragments	Ploughsoil
				0.40 - 0.50	10YR 3/6 Dark yellowish brown	Clayey sand with very occasional flint pebbles and coke fragments	Subsoil
				0.50 - 0.80	10YR 4/6 Dark yellowish brown	Slightly silty sand with moderate iron panning and very occasional flint gravel	Subsoil
				0.80+	10YR 4/6 Dark yellowish brown	Sand with frequent flint gravel	Natural

'straw' = shredded, dried and decomposing crop stalks. The previous crop in the fields prior to the fieldwork was oilseed rape.

C.B.M. = ceramic building materials, e.g. brick, tile, ceramic field drains)

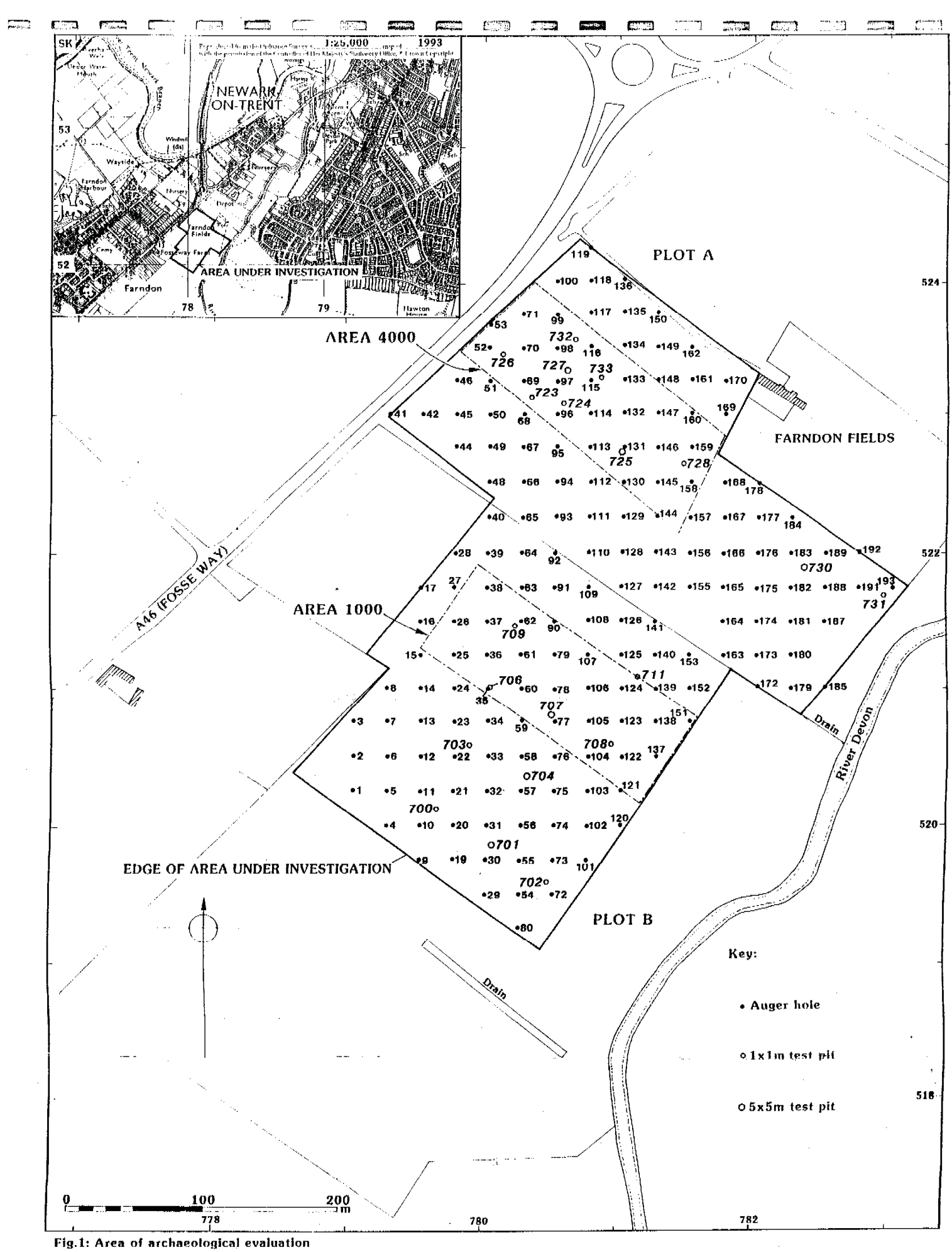

Fig.1: Area of archaeological evaluation

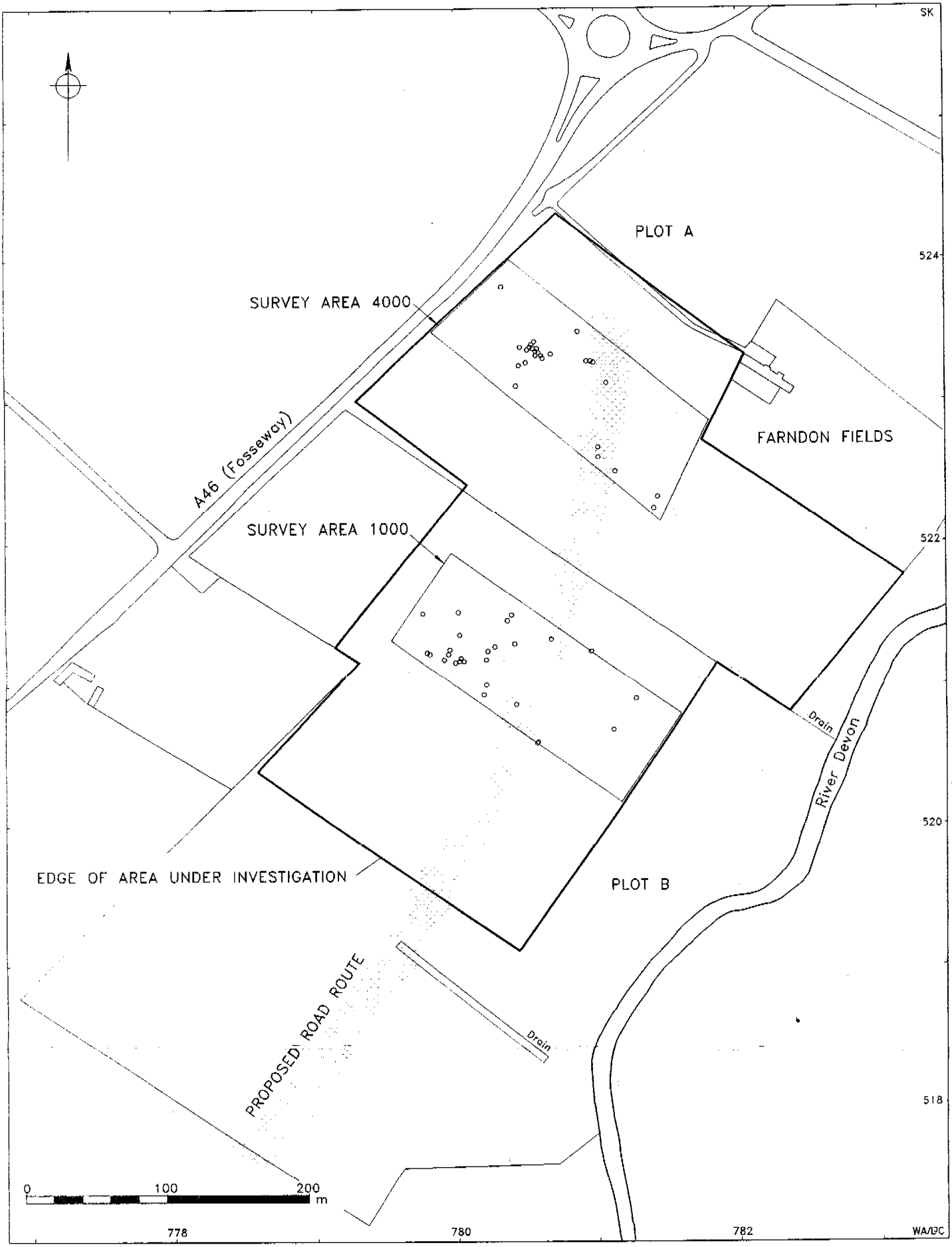

Fig. 2: Late Upper Palaeolithic flint distribution

Fig. 3: Neolithic/Bronze Age flint distribution

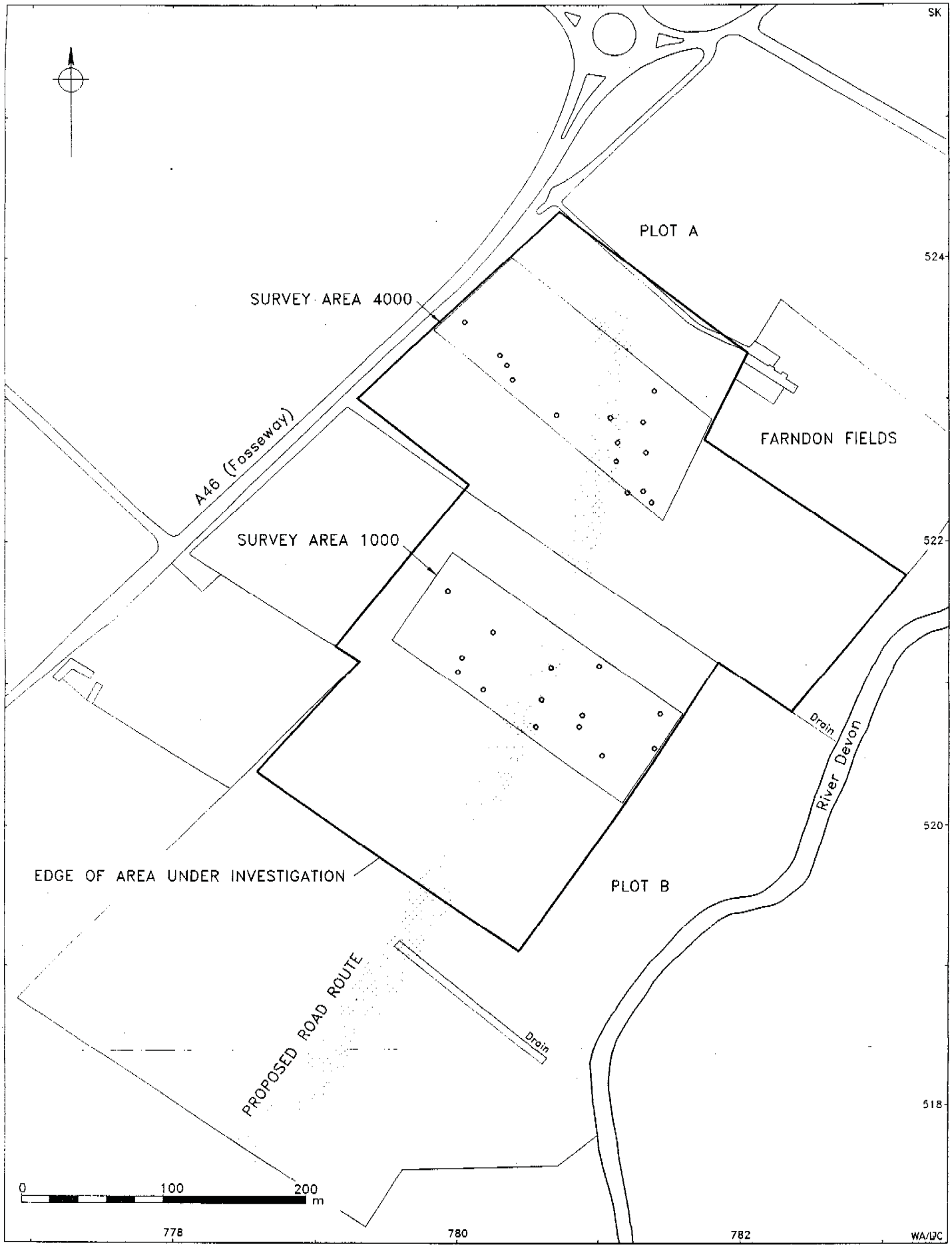

Fig. 4: Romano-British pottery distribution

Fig. 5: Burnt flint distribution

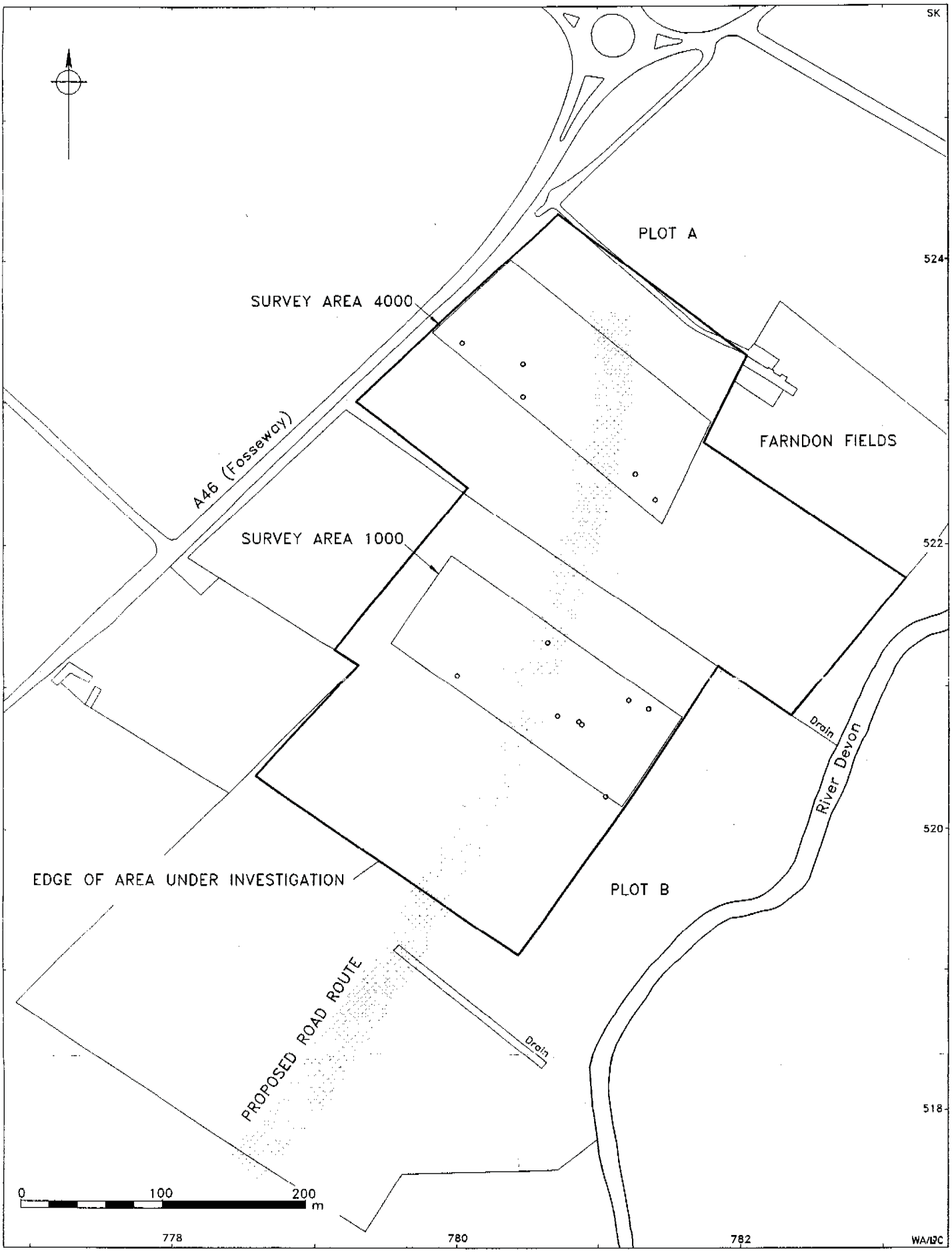

Fig. 6: Burnt stone distribution

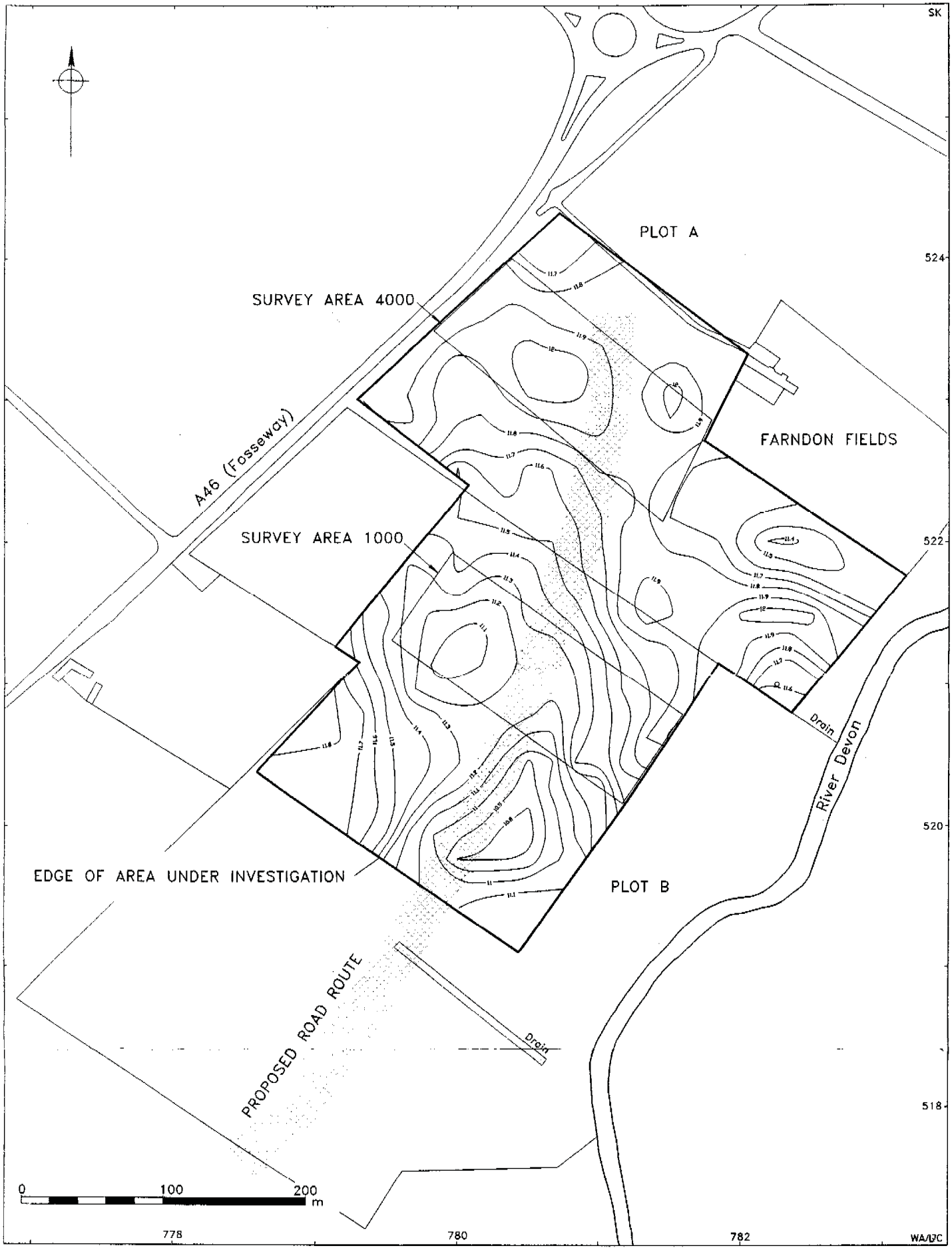

Fig. 7: Ground surface contour plot over area of archaeological evaluation

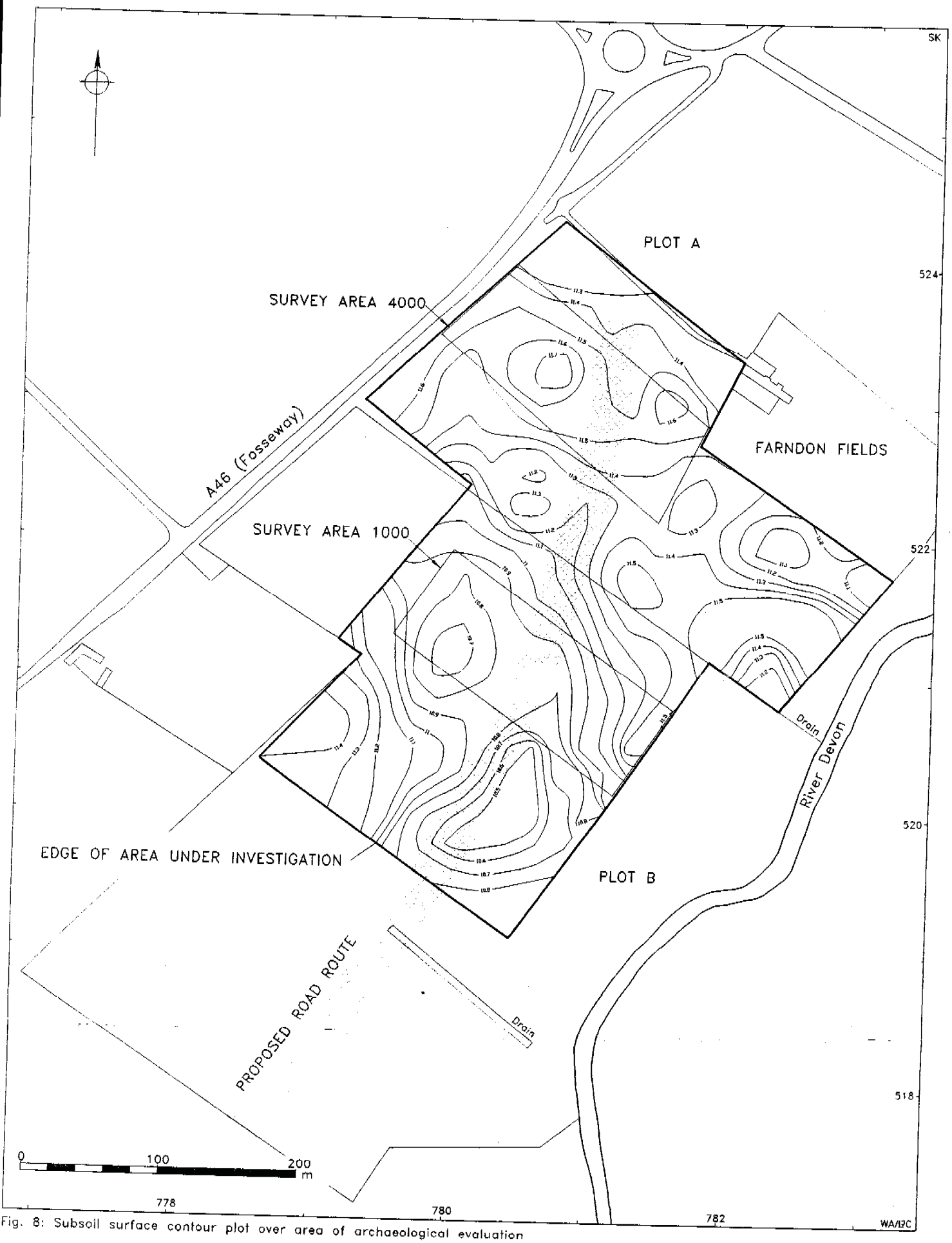

Fig. 8: Subsoil surface contour plot over area of archaeological evaluation

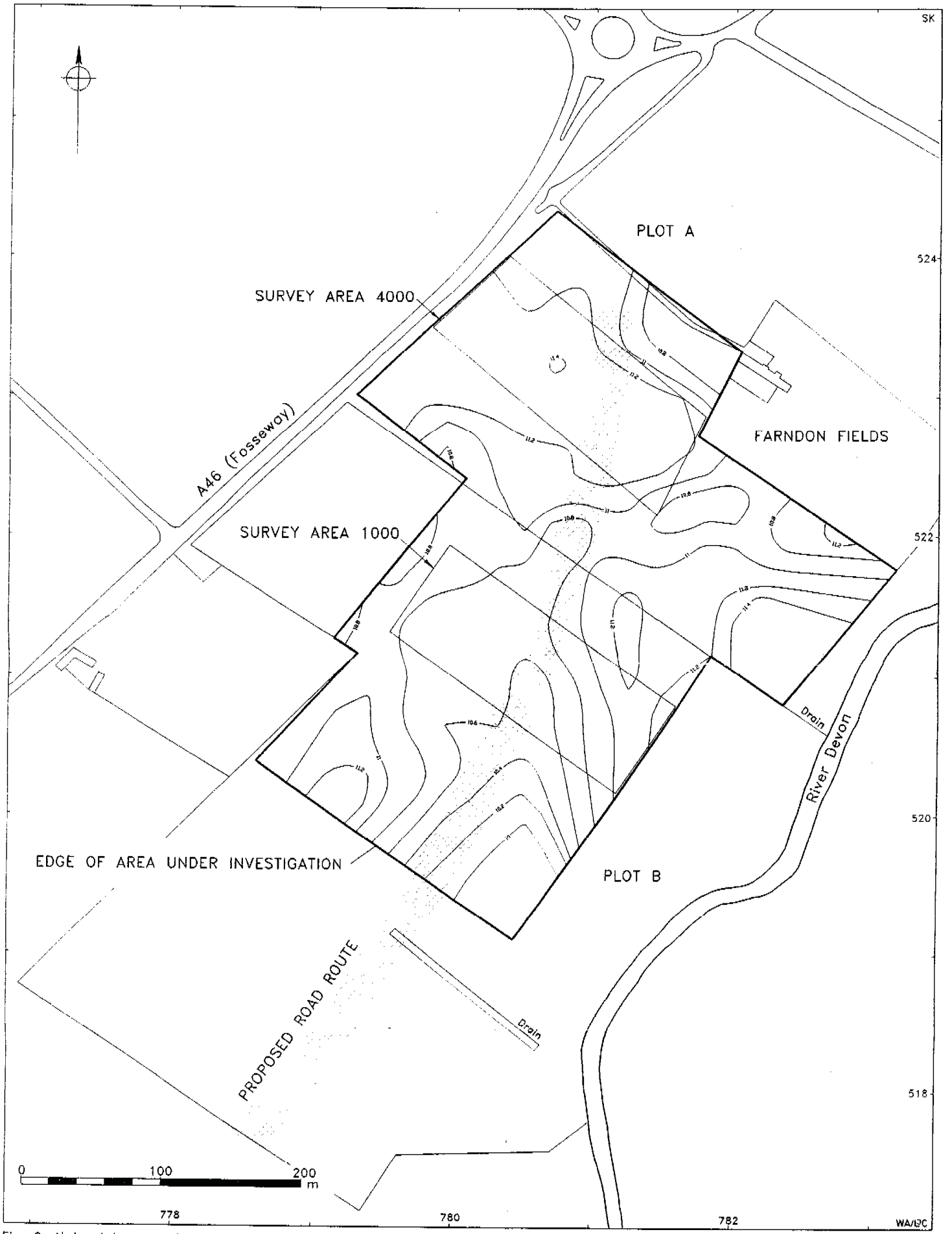

Fig. 9: Natural base surface contour plot over area of archaeological evaluation

Fig. 10: Late Upper Palaeolithic flint distribution – combined results

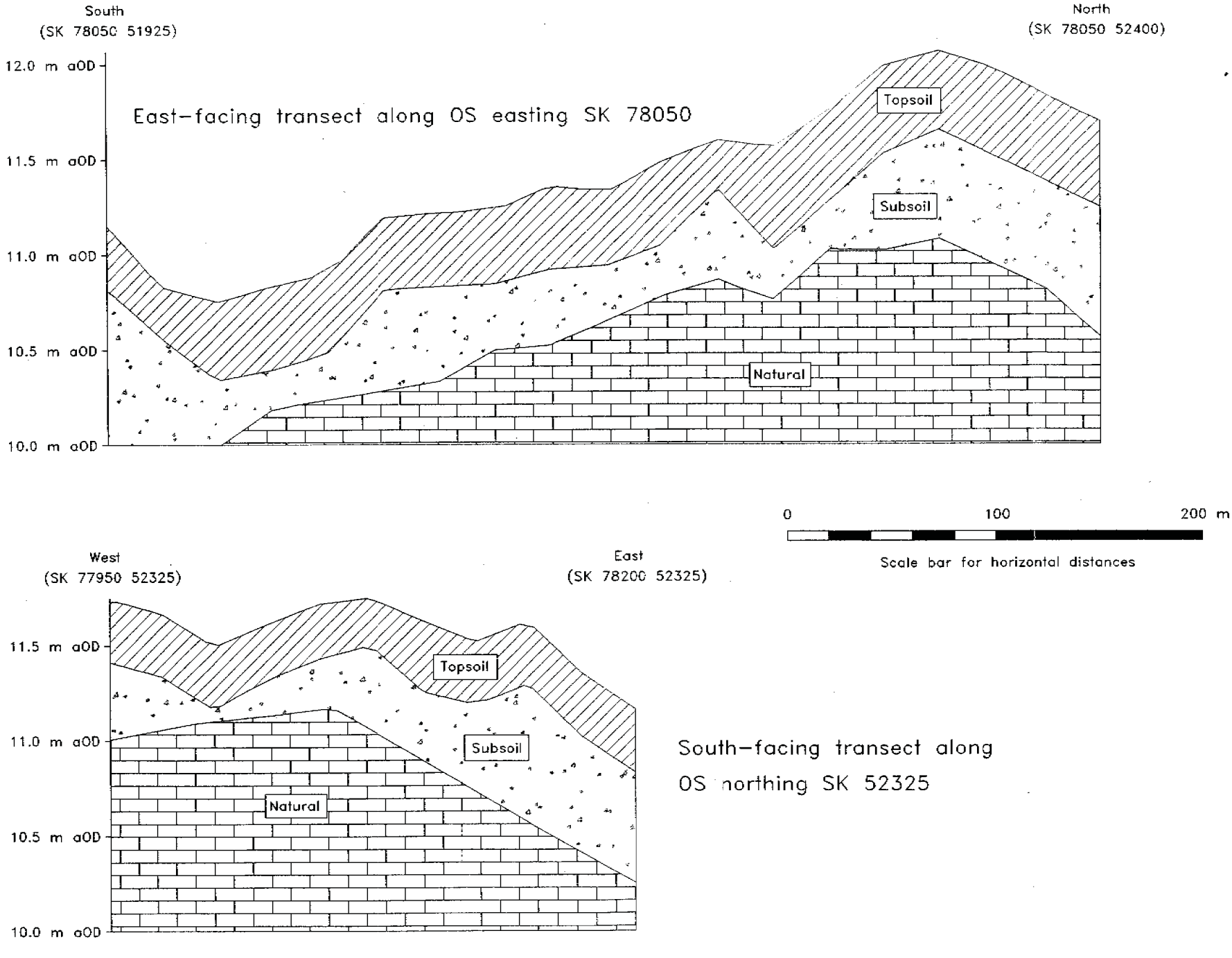

Fig. 11: Selected East and South-facing auger transects through area under investigation