



FAS

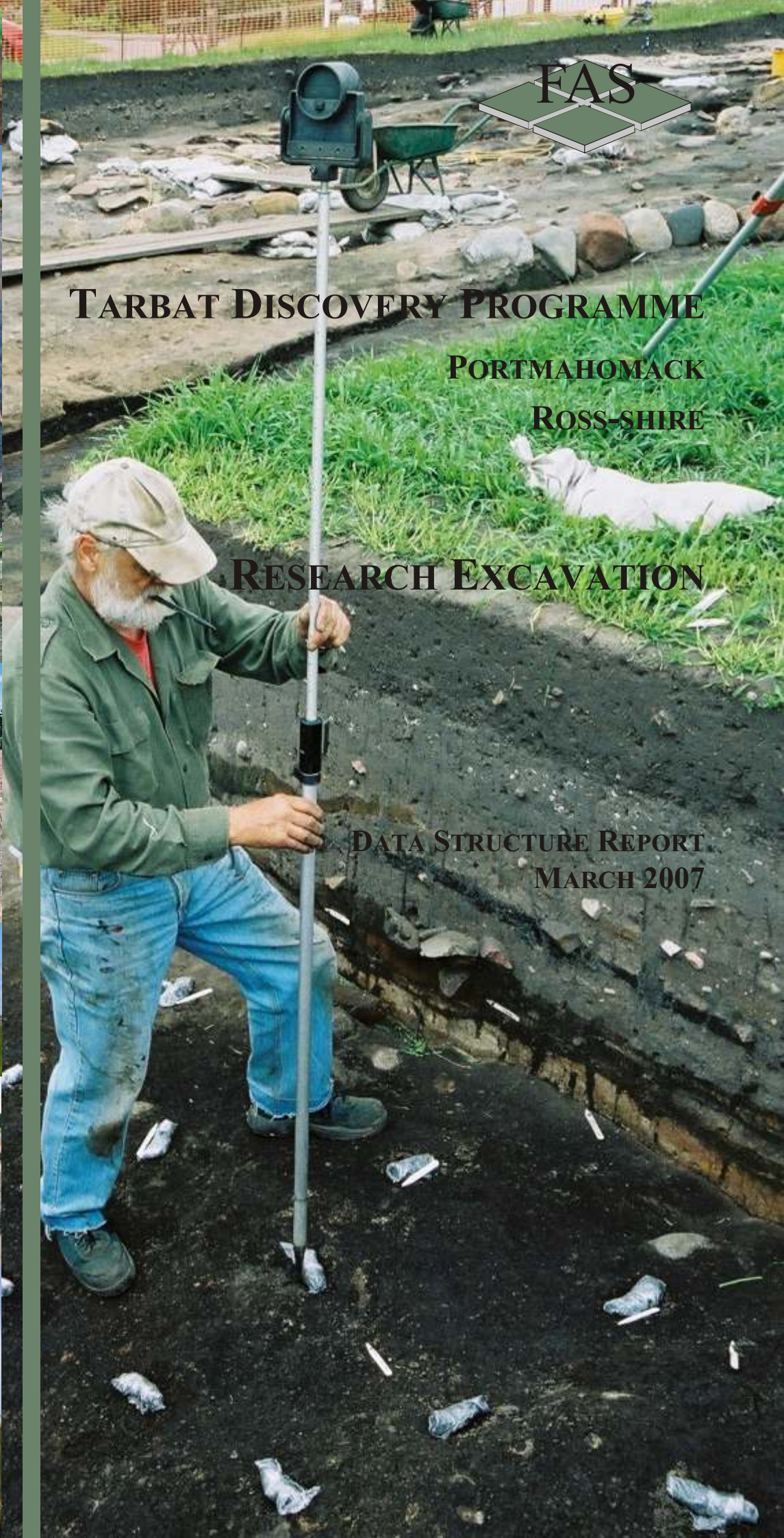
TARBAT DISCOVERY PROGRAMME

PORTMAHOMACK

ROSS-SHIRE

RESEARCH EXCAVATION

DATA STRUCTURE REPORT
MARCH 2007





TARBAT DISCOVERY PROGRAMME
PORTMAHOMACK ROSS-SHIRE

SITE CODE: TR06
NGR: NH 915 840

DATA STRUCTURE REPORT

March 2007



TARBAT DISCOVERY PROGRAMME

Unit A3 Parkside Centre
Terry Avenue
York YO23 1JP

TELEPHONE (01904) 652000
FACSIMILE (01904) 656222
E-MAIL arch18@york.ac.uk

PROJECT TEAM

Martin Carver
Cecily Spall
Justin Garner-Lahire
Nicola Toop
Becca Pullen
Dave Fell
Ralph Shuttleworth
Doug Kippen
Alastair Jupp
Anna Welti

REPORT PREPARED BY

Cecily Spall BSc MA

REPORT REVIEWED BY

Justin Garner-Lahire BA

.....

REPORT AUTHORISED BY

Professor Martin O H Carver

.....

LIST OF CONTENTS

Contents	Page
Project Summary	iii
2006 Excavation Season Summary	iii
Acknowledgements	iv
1.0 INTRODUCTION	1
2.0 FIELDWORK PROCEDURE	1
2.1 EXCAVATION PROCEDURE	4
3.0 FIELDWORK RESULTS	4
3.1 ROAD AND FLANKING DITCHES	6
3.1.1 Road surface	6
3.1.2 Western flanking ditch	6
3.1.3 Eastern flanking ditch	8
3.2 LEATHER WORKSHOP AND ASSOCIATED FEATURES	10
3.2.1 Structure 9	10
3.2.2 Workshop yard	15
3.3 EASTERN INDUSTRIAL COMPLEX AND ASSOCIATED FEATURES	16
3.3.1 Leather-working complex	16
4.0 DISCUSSION	21
5.0 2007 EXCAVATION SEASON	22
6.0 ARCHIVE	23
<i>References</i>	24
Figures	
1 Location map	2
2 T-shaped sample showing area of excavation 2006	3
3 Plan of features within 2006 excavation area	5
4 Road and flanking ditches showing associated water management features	7
5 Plan of S9 and associated features	11
6 Section quadrants of hearths F495 and F529	14
7 Plan of enclosure wall F480 with primary bone dump C3122	17
8 Industrial complex to east of road	18



Plates

1	Module C3 showing F471, F468 and F533	8
2	F472 basal slot	9
3	Water cistern F530	9
4	Threshold F522 and pebbled surface F520	12
5	Posthole F523 showing square form and packing slab C3102	12
6	Hearth F495 stone make-up C2761	13
7	Hearth F529 during excavation of fill C3205	13
8	Posthole F518 south facing section	15
9	C3122 pre-excavation	16
10	Stone surface F525	19
11	Well F527 during excavation	19
12	Stone core make-up of bank F476	20
13	Bone-rich surface C2335 during cleaning	20
14	Culvert F519	21
15	Hearth F535 pre-excavation	21
16	Ditch F534 pre-excavation	23

Appendices

A	Index to field file
B	Context and feature summaries
C	Drawing index
D	Photographic indices
E	Finds indices
F	Sample register

Project Summary

The identification of an archaeological site around Tarbat Old Church, Portmahomack, Easter Ross, was prompted by a series of spot finds, aerial reconnaissance, and academic speculation on the context of the four peninsula cross slabs. In 1993, a research programme, The Tarbat Discovery Programme, was initiated by Professor Martin Carver to explore the site at Portmahomack and its landscape. At the invitation of the Tarbat Historic Trust, a research Project Design (PD) was created (Carver 1995), and implemented collaboratively by the University of York and Field Archaeology Specialists (FAS) Ltd. In accordance with the PD a programme of site evaluation, undertaken between 1993 and 1996 and funded by a priming grant from Highland Council, was followed by large-scale open area research excavations between 1997 and 2003. For this, major sponsorship came from the Heritage Lottery Fund, University of York, Ross and Cromarty Enterprise, Highland Council, European Regional Development Fund. The current phase of excavation is detailed in an Updated Project Design (UPD), that was designed to investigate the craft-working zone of the settlement, unprecedented in its context and complexity. Funding comes presently from Historic Scotland, the National Museums of Scotland and Ross and Cromarty Enterprise under the auspices of the Tarbat Historic Trust.

The PD detailed the excavation of a T-shaped sample of 0.6ha within the enclosure (Sector 1 The Gordon Field and Sector 2 The Glebefield), an area to the north (Sector 3) and the interior of the church (Sector 4), as well as targeted surveys on the peninsula at Nigg, Shandwick and Hilton (Figure 1). A full programme of archaeological reconnaissance and the preparation of a research design was completed for the chapel site at Hilton of Cadboll in 1995, geophysical survey was completed at Shandwick in 2004 and a topographic survey at Nigg in 2006.

The excavation at Portmahomack has resulted accumulatively in evidence for a Pictish monastic settlement, enclosed by a vallum, dating from the 6th to 10th century AD. Within Sector 4, the monastic church and cemeteries were identified and sampled, while in Sector 1 and 2, areas of industrial craft-working activity, areas for agricultural processing and large features thought to belong to a water-powered mill, have been identified and sampled; the results of these phases of investigation have been published recently *in interim* (Carver 2004), along with studies on aspects of the material evidence (Carver 2005; Carver and Spall 2005; Spall 2006; Spall forthcoming). This final stage of the research campaign guided by the UPD (2003 to 2008), focusses on the targeted excavation of the sequence in Sector 2 North; the penultimate season of the five-year campaign (2006) is reported here.

2006 Excavation Season Summary

The area of excavation during 2006 was the same as 2005 and measured 33m x 24m (widest) consisting of twenty modules (4m x 8m): A1 to A7, B0 to B7 and the northern 6m of C2 to C4 and D1 to D3 inclusive (Figure 2). The 2005 season consisted of the recording of a large phase of investment in stone building within Sector 2 north, characterised by a large stone-built road with flanking ditches and building and workshop activity to either side. This achieved, detailed investigation of buildings and structures of the stone-built phase continued and the investigation of preceding activity was begun in 2006 (Figure 3).

Continued investigation of features associated with a vellum-workshop (Structure 9) included two new postholes, the complete excavation of the focal hearth and the identification of a possible threshold with adjacent pebbled entrance area. The southern portion of the associated vellum-working yard was also subject to continued excavation, and a large deposit of primary cattle butchery waste, covered by rapidly accumulating dumps of waste ash deposits, was encountered.

The ash deposits in the southern part of the vellum-working yard intermingled with the disuse of the western roadside ditch and yielded a second possible bone stylus. During excavation a large stone-built baffle was revealed set into the ditch. The course of the ditch seemed to have been diverted, possibly when a large terrace wall was constructed immediately to the south. In addition, a large stone-built culvert was found to issue into the ditch just north of the baffle and may relate to the same period of water management. These features appeared to supercede the earliest wood-lined phase of the western roadside ditch.

To the east of the road, further investigation revealed a complex sequence of structural activity. The eastern terrace wall was confirmed as an intrusive feature when it was found to have interrupted an earlier large bank with stone core and turf cover. The bank appeared to delineate two areas of activity: to the east, a large well-like feature overlain by the terrace wall was partially excavated, and was associated with a working stance of level sandstone slabs and an assemblage of leather-working items; to the west, a consolidated earth ground surface was encountered littered with cattle bones. To the north of the stone bank, and contemporary with it, a large stone-built flue (excavated 2001) is now thought to have been associated with a stone-lined hearth to its immediate southwest, which is yet to be excavated. These features belong to a complex of stone features encountered within Intervention 26 (1998) and demonstrate an industrial area, again associated with leather-working. This phase of activity overlay a system of small gullies associated with a wider system of water management, including the earliest phase of the eastern roadside ditch and a large stone-lined, possible water cistern.

Most significantly, a linear ditch, preceding these phases of activity, was identified and appears to be heading towards the church (F534). The ditch cuts into a buried, possibly original, ground surface overlying the natural sand subsoil system. As such, the feature appears currently to be the only representative of an early phase of site organisation, possibly of the 7th century. This feature is prioritised for excavation during 2007.

Acknowledgments

The Tarbat Discovery Programme would like to thank the Tarbat Historic Trust and the village of Portmahomack for their hospitality; current sponsors Historic Scotland, the National Museums of Scotland, Ross and Cromarty Enterprise and the University of York; and Billy Vass for his continued cooperation.

1.0 INTRODUCTION

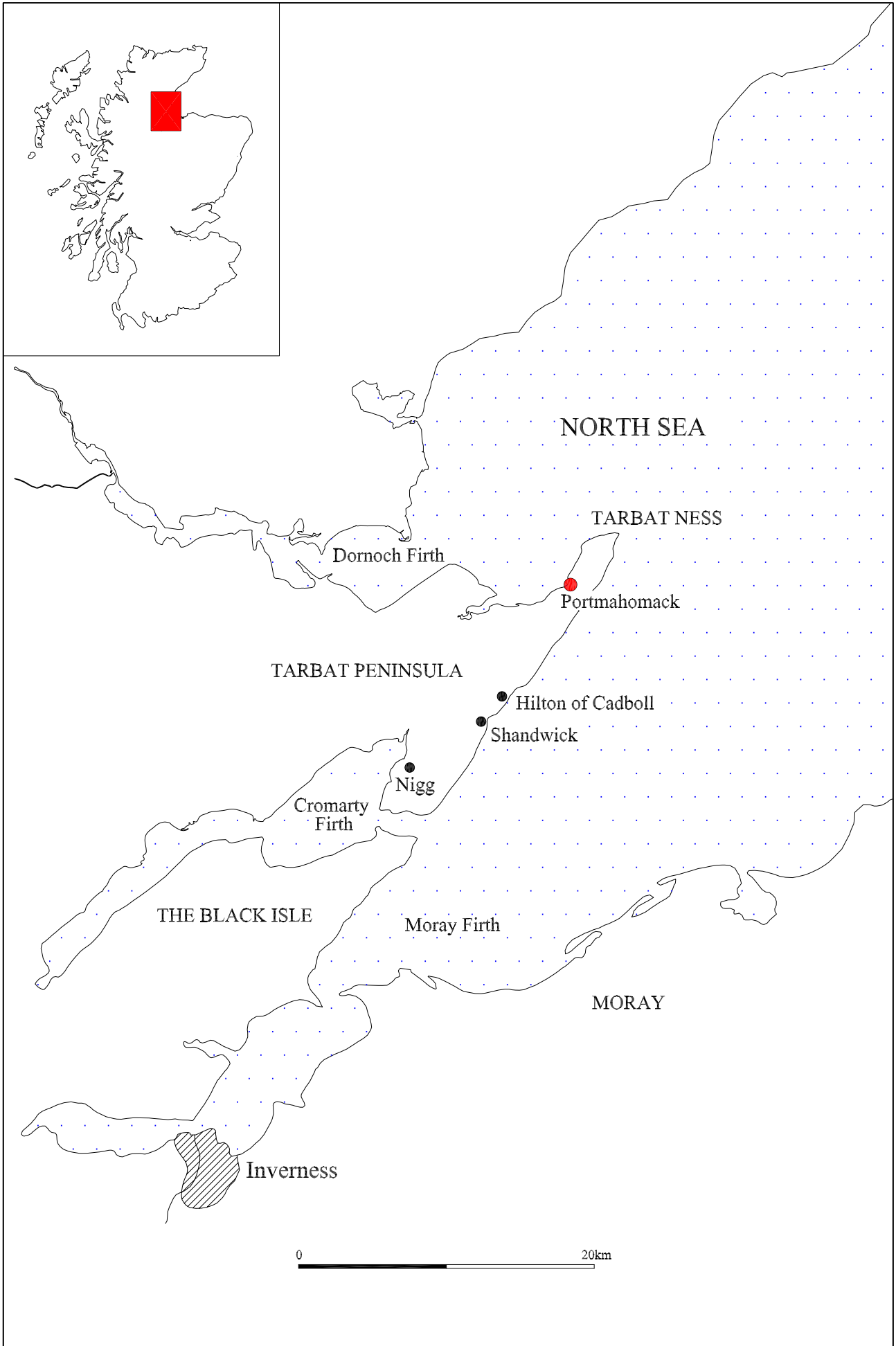
This document constitutes Data Structure Report (DSR) 4 of the Tarbat Discovery Programme, Portmahomack (Figure 1)(NGR NH 915 840), and has been prepared with reference to Historic Scotland guidelines on the preparation and content of Data Structure Reports (Historic Scotland 1996, 9). The archaeological research programme is undertaken collaboratively by the University of York and Field Archaeology Specialists (FAS) Ltd.

Fieldwork was carried out between the 15th May and the 7th July 2006. The area of excavation was focussed again within the area of monastic workshops in Sector 2 (north)(Figure 2). Sector 2 forms the long north-south transect of the T-shaped sample defined in the project design, and its evaluation took place in 1996, followed by excavation seasons from 1997 to 2001, and 2003 to 2005.

2.0 FIELDWORK PROCEDURE

The excavation and recording system employed during fieldwork is based on a set of principles known as *Field Research Procedure* (Carver 1999). This recording system structures excavation data in an hierarchical system: deposits defined during excavation, which are considered to have been formed by a single action, are defined as 'contexts' (standard stratigraphic units); sets of contexts are defined as higher order stratigraphic units defined as 'features'; groups of features can be defined as belonging to 'structures'. Thus, where appropriate, contexts are grouped during excavation as 'features', and similarly, features into groups called 'structures'; feature records are additional to, not alternative to, context records (*ibid* 158). Separate indices are maintained for contexts, features and structures and each has a structured pro-forma recording sheet to be completed using a system of keywords. Interventions 14 and 24 share a single index for contexts starting at C1000 and for features starting at F1, all feature and contexts identified in 2005 were allocated from these continuing indices. An index of all records created during 2005, which form the content of the season's archive, is given below (Appendix A) as well as summary information of contexts and features (Appendix B). Indices of drawings (Appendix C), photographic recording (Appendix D), finds and samples (Appendices E and F) are compiled and cross-referenced with the context and feature indices.

In addition to the hierarchical recording system, predetermined recovery levels can be employed ranging from Recovery Level A to E, representing increasing levels of investment and intensity of investigation. For the purposes of excavation, Recovery Level D has been predetermined and applied during fieldwork. This recovery level consists of trowel definition, finds recovery by 3-D from occupation or craft-working deposits or by context from feature fills and layers, as well as detailed sampling - in this case, in accordance with the project's predetermined environmental sampling strategy (below). Contexts require an outline plan using 3-D survey data (Appendix C, drawing index) with hachures where appropriate, full written description and hand-excavation accompanied by horizon photography (Appendix D, photographic index), while features required an outline pre-excavation plan and photograph, full written description, half-section drawing and photography and post-excavation plan and photography. All site drawings are drawn at 1:10 and survey is undertaken using a Total Station Theodolite and a local site grid was used for recording purposes. All co-ordinates and alignments expressed in this report refer to the site grid; all heights are expressed in metres above ordnance datum (AOD).

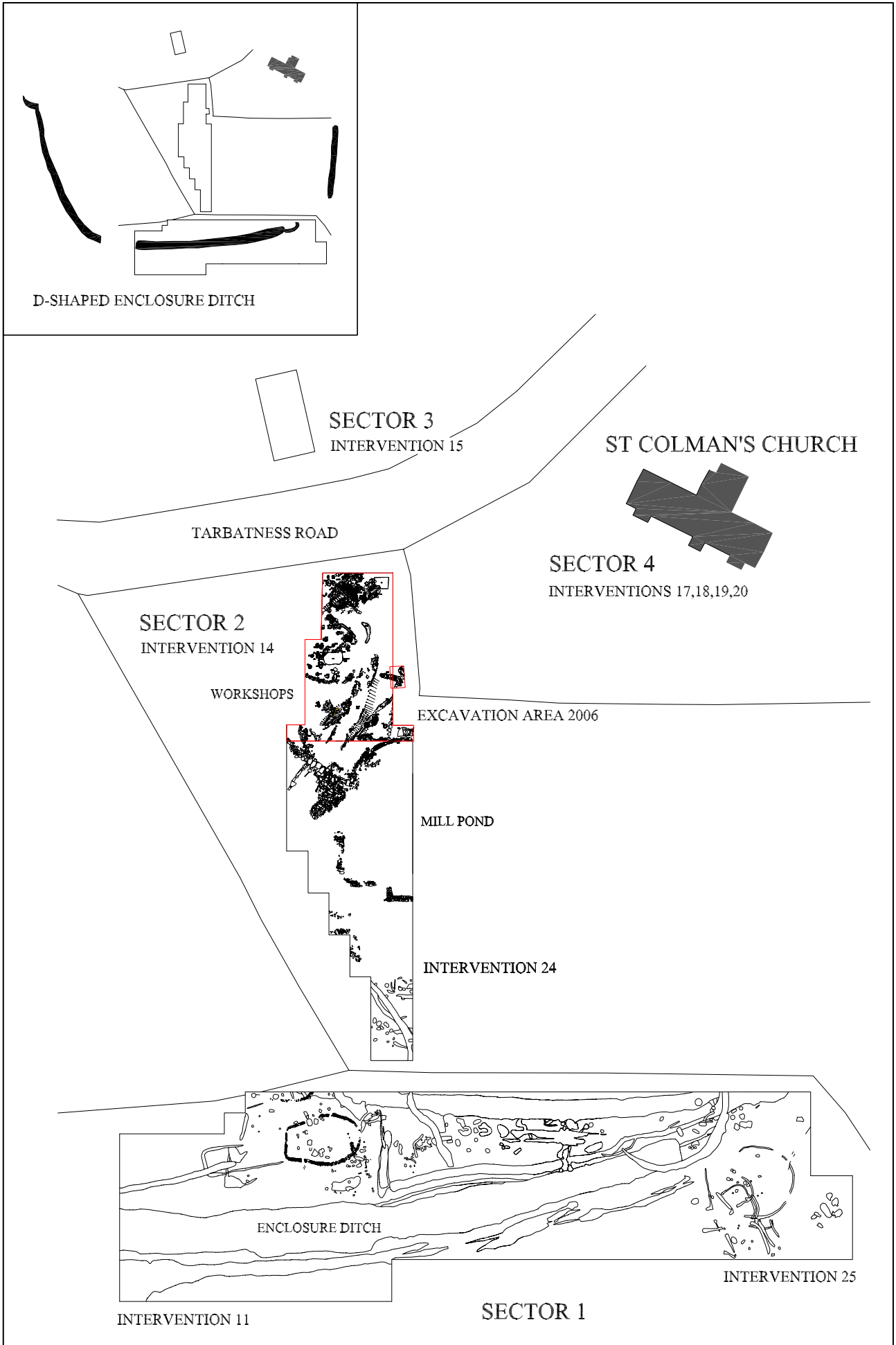


Location map



Figure 1





T-shaped sample showing area of excavation 2006

Scale 1:1000



Figure 2



All contexts are subject to 100% coarse dry-sieving (10mm mesh) where practicable; should a deposit prove to be very extensive, an appropriate sub-sampling regime is implemented. A minimum of 10 litres of each deposit are retained for flotation for general biological analysis (GBA) using a Siraf water-recycling tank (1mm mesh for dense fraction and 300mm mesh for light fraction). Additionally, 'grab' samples (30g) are taken for pollen and microfossil analysis, and geochemical analysis including pH, phosphate, magnetic susceptibility and ICPS analysis; where floor or occupation surfaces are suspected grab samples are recovered by a 20cm grid. All 'grab' samples and hand-collected artefacts are 3-D located, bulk finds are recovered by context (Appendices E and F, finds indices and sample register).

All elements of the site archive reported here relate principally to those belonging to the 2006 season of fieldwork. Where it is necessary, for the purpose of clarity, to discuss elements of the site belonging to previous seasons, they are also included here. For features and contexts, where excavation of these spans more than one excavation season, they are also included here (marked with asterisks in the appendices). Due to the nature of the ongoing excavation, numbers from indices are not necessarily consecutive, since they represent only those records and finds relating to the present season of excavation. Additionally, the excavation of some features allocated during the 2006 season was not completed, and so the discussion presents only the current state of interpretation.

2.1 EXCAVATION PROCEDURE

The area of excavation was set out using a Total Station Theodolite, with reference to the project's permanent survey stations, and reopened using a wheeled 360° mechanical excavator fitted with a 1.20m toothless ditching bucket, under strict archaeological supervision. Prior to backfilling the previous season, the underlying archaeology had been protected by thick polythene sheeting and sand bags. Excavation within Module C2 (Intervention 24) had reached safe excavation depths and consequently a 1.0m wide strip of modern ploughsoil, adjacent to the western and northern limit of excavation was removed by machine to enable excavation to continue safely.

The excavation procedure followed that of previous seasons and more specifically that reported in DSR 1 (Spall 2004, 1). Briefly, all excavation areas of the project are divided into modules (lettered and numbered) which measure 8m x 4m, recorded with overhead photography and plans (horizon maps). Stratigraphic excavation is undertaken by module; temporary baulks are left between modules to allow the sequence to be recorded and correlated. Where features and contexts span a module or several modules, they are allocated several different numbers; all such equivalents and relationships are noted on recording pro-formae and in the site notebook. Feature and context stratigraphic diagrams of all excavated remains are maintained. As understanding of discrete zones of activity, large-scale features and structures improved, excavation by module ceased and excavation areas were defined less arbitrarily.

3.0 FIELDWORK RESULTS

The area of excavation during 2006 (Figure 3) was the same as 2005 and measured 33m x 24m (widest) consisting of twenty modules (4m x 8m): A1 to A7, B0 to B7 and the northern 6m of C2 to C4 and D1 to D3

inclusive. The area was the subject of widescale horizon photography and detailed planning during 2005, which allowed continued excavation of the principal structures and features within the sector, namely the road and flanking ditches, to the west a vellum-workshop and enclosure yard and to the east a suite of industrial and water management features.

3.1 ROAD AND FLANKING DITCHES

Final investigation of the southernmost portion of the road flanking ditches was undertaken during 2006, in modules below the 994 northing (C3 and D1/D2). In addition, the horizon of stone-slabbed road surface was mapped fully, to enable investigation of the road's construction to take place in 2007 (Figure 4). Both the western (F471) and eastern (F472) flanking ditches revealed further evidence for water management, although the features to either side were markedly different: to the west a suite of stone features (F467, F468, F475 and F533) appeared related to the discharge of water from the western zone; to the southeast features identified (F530 and F526) appeared to relate to efforts to collect and store water.

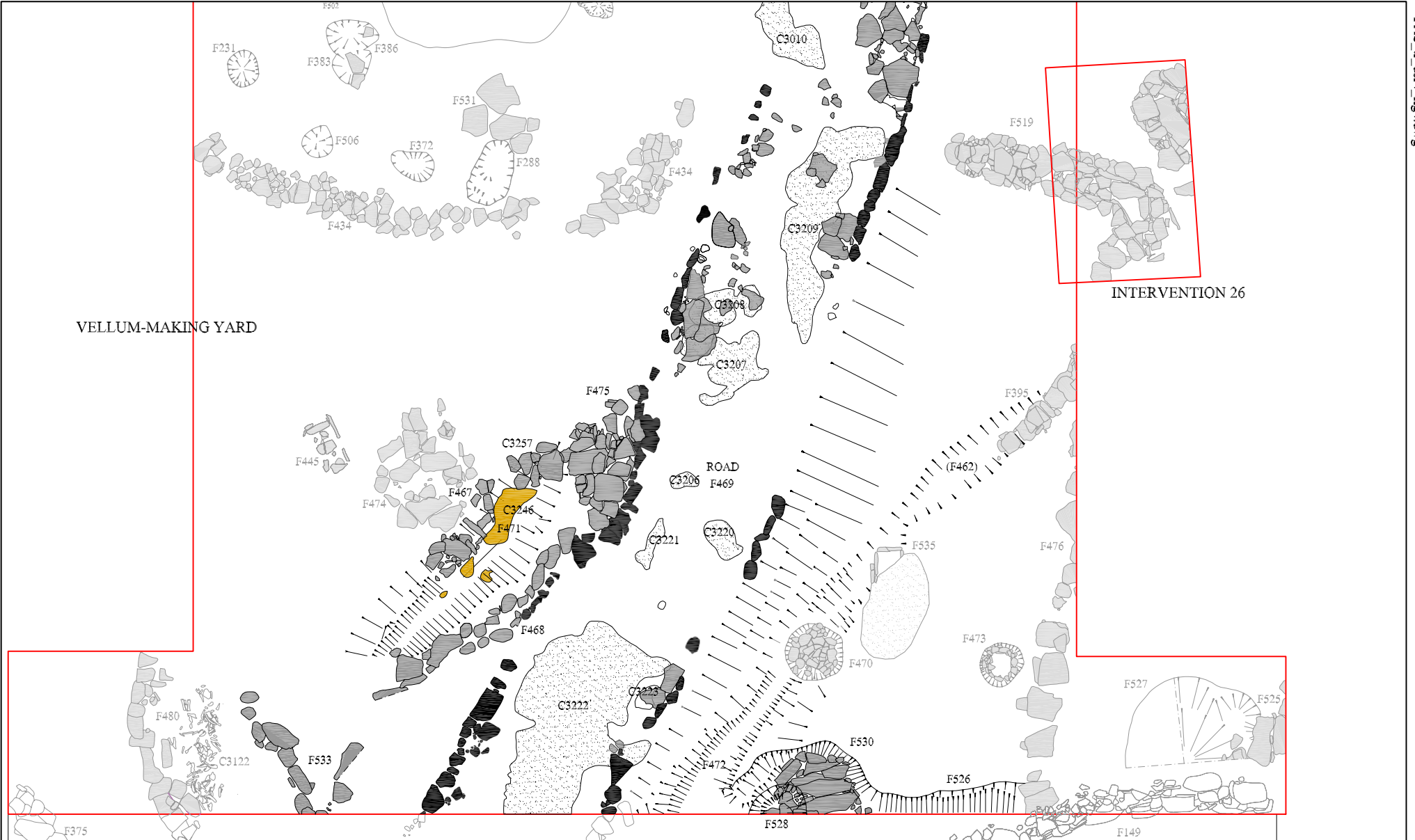
3.1.1 Road surface

As built, it appears that road F469 was surfaced originally with thin tessellated slabs of yellow and red sandstone. The evidence for this consists of an area of intact, but severely degraded, stones at the northern end of the area of investigation (C2094 and C2492). Elsewhere, the road paving is patchy or absent, which may be explained in part as the degradation or removal of the worn sandstone surface during use. In places the road surface seems to have been refreshed in an *ad hoc* manner with compacted or beaten ash. These piecemeal repairs were superseded by the resurfacing of F469 in pebbles (F18), which may have involved the removal of areas of sandstone surfacing; fragmentary sandstone slab fragments were found in layers immediately beneath the pebbled surface and may have been broken and reused as preparatory hardcore for the latest road. The ash deposits (C3206 to C3211 and C3220 to C3223) were defined and recorded to secure the complete record of the early road form, and to allow targeted investigation of the road construction deposits during 2007.

3.1.2 Western flanking ditch

Elements of the original lining of F471 were recorded during 2006, consisting of the traces of a timber lining (C3246) present where the feature passed through Module B5, and an area of sandstone slab consolidation (C3257) at the northernmost point of the feature. Within the ditch, overlying the wooden lining, brightly coloured ash deposits intermingled with more broadly deposited ash associated with raised ground levels in the southern part of the vellum-working yard. For the purposes of description, only those deposits contained within the bounds of F471, and used to backfill the feature discretely, are presented here, but they belong to this wider episode of landscaping.

The deposits were characterised by alternating deposits of brightly-coloured clayey silts, interpreted as redeposited ash (C2991, C3005, C3013, C3046, C3048, C3049, C3050, C3054, C3058, C3072, C3097, C3103, C3157, C3173, C3176), and thin layers of dark, sticky, slightly clayey sandy silt (C2990, C2994, C3012, C3066, C3085, C3099, C3164, C3166). The deposits contained a variety of material, mainly charcoal and charred organics, calcined fragmentary animal bone, unburnt animal bone and occasional artefacts, such as flint strike-a-



Road and flanking ditches showing associated water management features

Scale 1:100



Figure 4

light flakes and plough pebbles. Most notably, a second possible bone stylus or bone tool was recovered from a clayey silt deposit (C3157, Find number 7665). The object had been fashioned from a pig fibula and as such represents an artefact found commonly on sites of the early medieval period throughout Britain (MacGregor 1992, 56-58; MacGregor et al 1999, 1950-2; MacGregor 2000, 150-152; Mann 1982, 8-11; Rogers 1993, 1368-9; West 1985, fig 30;). Elsewhere, such finds are normally identified as dress pins, although many examples are recovered from sites associated with craft-working and it seems probable that this example had been employed in a workshop, possibly as writing equipment or as an awl or similar.

During removal of the deposits within F471, two large, associated stone features were revealed. The continuation and terminus of large stone-built culvert or flue F468 (first identified and excavated during 2004 within Module B5) was exposed, along with a new stone-built feature interpreted as a stone baffle set into F471, allocated F533. F468 represented a curvilinear stone-built feature with sides made of large cobbles supporting a cover of large irregular, but broadly flat, stone slabs and boulders. The feature is likely to have been covered with turf, since large gaps between the stone make-up (C2493) were present. Immediately to the north, a further stone-built flue or culvert was identified during 2004 (F475), also of sandstone slab construction, and is likely to have functioned with F468. The stone make-up of F468 was integral to the western kerb of road F469 and these features are certainly contemporary. The most probable interpretation for the suite of features now seems to be that they channelled water away from the western road surface and the area to the south of S9, into F471. Excavation revealed that F468 terminated just south of the 994 northing and appeared to issue into F471 just to the north of F533 (Plate 1). A distinct deposit of sticky, brown fine silt containing degraded shell appeared to be issuing from the 'mouth' of the feature (C3167), representing late primary silting; elsewhere the feature had filled slowly with secondary silty sand percolating through the gaps in its cover (C2493 and C2494).



Plate 1 Module C3 showing F471, F468 and F533

To the south of F468, continued excavation of F471 revealed stone baffle F533. The feature consisted of five principal small boulders forming the main structure, packed and supported by smaller subsidiary stones (see Plate 1) which were set in a V-shaped at the terminus of F471. F533 thus created a narrow funnel through which water from F471 would be channelled, thereby diverting the route of the ditch slightly to the east, which otherwise would have issued into the lee of enclosure wall F480. The feature appeared to have been inserted into F471 as an alteration to an existing feature rather than being original to it, and may relate to water management associated with the construction of the millpond to the south.

3.1.3 Eastern flanking ditch

Further investigation of the eastern flanking ditch F472 has shown it to be quite different to counterpart F471 in form and purpose, beyond functioning broadly to drain water from the east side of the road and eastern zone. Particularly in its earliest guise, the feature appeared to have been designed to drain water specifically for collection and storage downslope, rather than encouraging it out of the workshop zone altogether. The use of

ditch F472 for water collection had been evidenced previously in the form of stone-lined pit F470, which had been sunk into the ditch when partially backfilled, to intercept and store water. The complete excavation of F470, which was intersected by four modules (B6, B7, D1 and D2) was achieved during 2006.

A distinct horizon within ditch F472 was represented by a thin layer of sticky, black slightly clayey silt (C2144) which followed the contours of the feature. The layer seemed to represent a period of consolidation within the feature, either as a developing turfline or a deliberate lining. Removal of C2144, along with an ephemeral deposit C3188, exposed the earliest two fills of ditch F472 (C3129 and C3160), along with a small adjacent cut feature immediately to the east (F528). The excavation of the small pit found it to contain a single fill, which appeared to have accumulated slowly in the presence of water (F528 C3175). F528 may have been excavated to encourage water to accumulate during the long-term use of ditch F472, but was disused or had largely silted up prior to consolidation of the feature represented by C2144.

The two earliest backfills within ditch F472 were present where the feature passed through Module D2 extending to the southern limit of excavation (991 northing), and were excavated from within a small slot in the base of the feature, analogous with F462 where it passes through Module B7 (see Figure 4; Plate 2). C3129 was found to consist of a grey silty sand and was characterised by a high percentage of small angular and rounded stones. A fragment of worked whale bone was recovered from among the stone component (Find number 7666) and has been identified tentatively as the tip of a whale bone mattock, which presumably broke during the excavation of F472. Artefacts and tools made of whale bone are known from other sites in Scotland (Graham-Campbell and Batey 1998, 220). C3129 was not well defined against the shoulders of F472, which suggested watery deposition, while the stone component may have been included to encourage the movement of water before silting occurred. Almost coincident with the limit of excavation, the slot within F472 turned east and connected with a small gully (F526); both shared C3129 as a common backfill at this point and had clearly silted up and been disused simultaneously.



Plate 2 F472 basal slot

Following excavation of F528, a deposit of grey silty sand, similar to and probably the equivalent of C3129, became available for excavation (C3227). Removal of the deposit revealed a large stone-lined feature identified as a water cistern (allocated F530)(Plate 3; see Figure 4) connected to F472 by small gully F526, which in turn continued east beyond F530 before being interrupted by later features. Clearly, water draining from the eastern flanking ditch was being encouraged, *via* the basal slot in F472 and gully F526, into F530 for collection and storage. This suite of features reflects the very earliest use and layout of features belonging to the widescale



Plate 3 Water cistern F530

stone-built phase. It is not possible to ascertain how long these features were open and in use simultaneously, but following initial silting with C3129, more comprehensive disuse followed, involving the levelling of the basal slot, gully F526 and cistern F530. The use of the partially backfilled roadside ditch continued and also included water collection manifest as F528 and F470 (separated stratigraphically by C2144), an activity which persisted in this area until the latest phase of monastic occupation.

3.2 LEATHER WORKSHOP AND ASSOCIATED FEATURES

The layout and use of the area to the west of the central road has emerged with increasing clarity over the last two excavation seasons. In 2005, the presence of a post-built structure was detected and designated Structure 9 (S9); several of the building's postholes were excavated along with adjacent stone-built footings identified as wall lines (Figure 5). Internally, the building was furnished with a focal hearth found to be filled with a series of ash deposits and surrounded by a wooden stake structure. Two stone-built features, interpreted as working stances, were also identified within the bounds of S9, one notably close to the focal hearth and covered with a series of ash deposits. Excavation of the focal hearth and stance was completed during 2006, and several more postholes belonging to the building were defined and excavated. In addition, a stone slab threshold was identified on the north facing side of the building, associated with a small, but deliberately placed, area of pebble hardsurfacing. Ongoing investigation of the construction of S9 prompted a reappraisal of features interpreted as wall lines (F434 and F514) and associated landscaping deposits.

Excavation of deposits within the vellum-working yard also continued, and was rewarded with the discovery of a rich, primary deposit of animal bone dumped in the lee of enclosure wall F480. The assemblage appeared to represent the remains of cattle, almost to the exclusion of other species, and is thought to relate to the processing of cattle carcasses and subsequent leather-working. The deposit of animal bone was covered with accumulating dumps of waste ash which occasionally yielded artefacts. The ash dumping intermingled with disuse deposits within the western roadside ditch (Section 3.1.2).

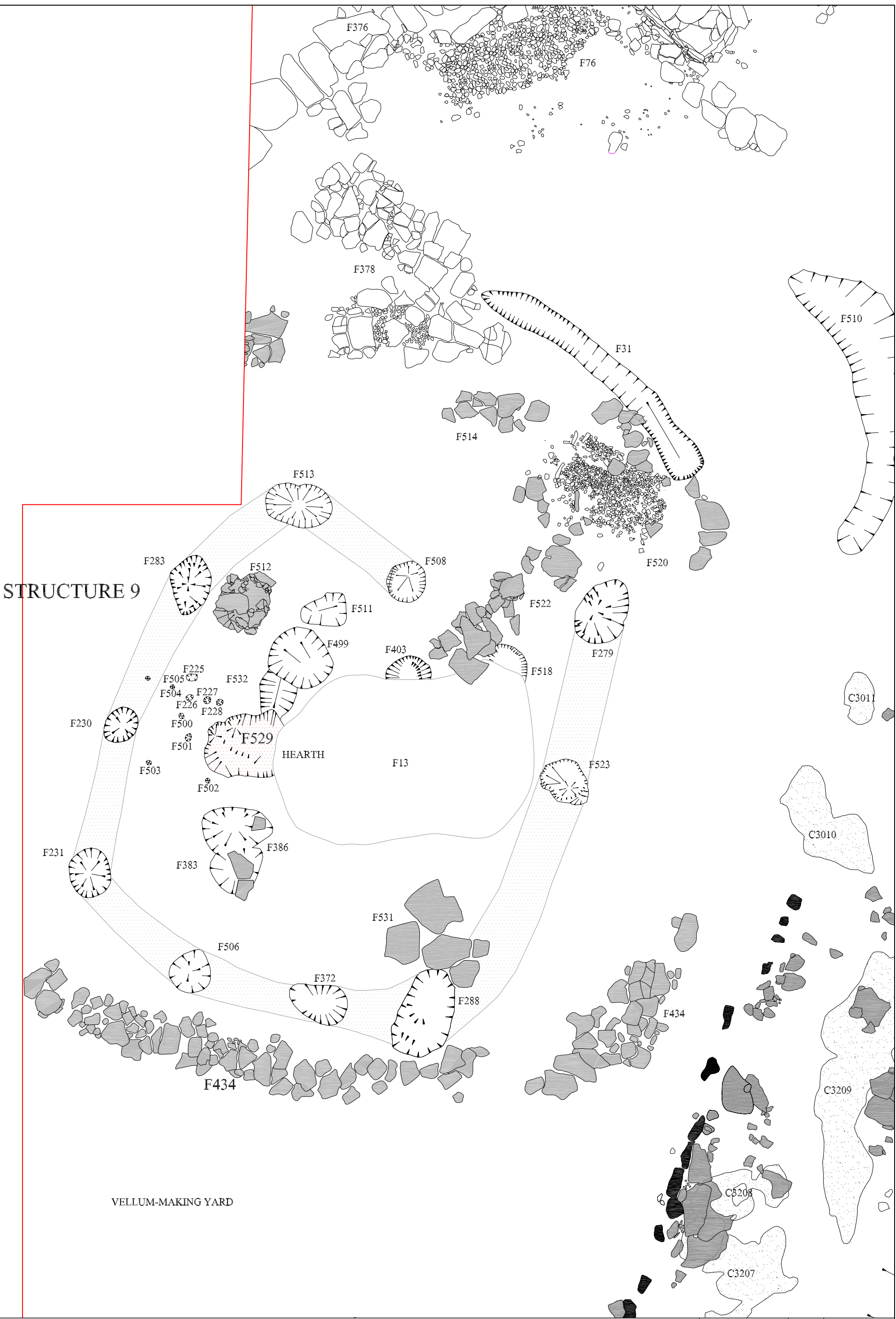
3.2.1 Structure 9

Further investigation of S9 was undertaken during 2006, and involved the excavation of two postholes thought to represent principal structural elements (F518 and F523), and a possible entrance into the building from the northeast with associated cobbled area (F522 and F520)(see Figure 5). The excavation of the focal hearth, adjacent work stance and posthole complex, which had started in 2005, was also completed, and a further working stance of several large level slabs was identified and recorded within the footprint of S9 (F531 C3242). Once again, evidence for the construction, occupation and destruction of the building was encountered. F283, F230, F231, F506, F372, F288, F523, F279, F508, F513 form a sub-rectangular outline which seems likely to have represented the original timber frame of the building. Other curvilinear features (F434 and F514), probably represented the preparation of the terrace, the turf cladding of the building, or its subsequent collapse.

Evidence for construction

The earliest deposits relating to S9 represented spreads of redeposited subsoil thought to have levelled hollows prior to the construction of the building. Clearer views of these deposits were afforded by the complete excavation of focal hearth F495, which showed them to be confined to the south interior of S9 and beneath

STRUCTURE 9



HEARTH

VELLUM-MAKING YARD

Plan of S9 and associated features

Scale 1:50



Figure 5

F434. This suggests that the deposits related to the preparation of a small terrace in the natural slope of the ground. Immediately to the south of the southern line of posts of S9, rubble dumps and an alignment of sandstone slabs (F434) appeared to have continued the terrace into the associated vellum-working yard. Conversely, to the north of the building, a slight depression in ground level coincident with the line of the northern postholes of S9 was detected, suggesting that the building had been cut into the slope slightly on this side. The terraced preparation of S9 may have resulted in a building with a very slightly sunken floor, particularly on the north side, which provides a rationale for the suite of features to the immediate north of the building, excavated during 2006.

Gully F31, excavated during 2005, now seems likely to have intercepted water travelling downslope towards the building, and further investigation of the area between the northern line of postholes and F31 was rewarded with several new insights into the building. Investigation to the immediate south of gully F31 began with the removal of a deposit of brownish-grey sandy silt (C3043) which revealed a small area of pebbled surface allocated F520 C3060. The pebbles consolidated an area measuring approximately 1.50m x 1.0m, and evidence was identified for the setting of small red sandstone kerbs, at least on the western side. Although the remains of F520 appear amorphous, the kerbs suggest a deliberately laid feature to the north of S9.

To the southeast of F520, the removal of amorphous brown silty sand spreads (C3073, C3077 and C3061) revealed a linear arrangement of roughly level sandstone slabs which was then investigated in full. The feature consisted of several large slabs measuring *c.*0.60m across, and spanned the area between F520 and the northern line of posts belonging to S9. The uppermost stones of F520 were largely level and this had been achieved by stacking the stone make-up increasingly towards the southern end to compensate for the slope down into the interior of S9. The feature has thus been interpreted as a stone-built threshold (F522, C3071). Together these features appear to have served a specific function: within the building, the stone make-up of F522 was stacked to compensate for a slightly sunken floor, outside the building, at ground level, F522 gave way to pebbled surface F520, positioned at the entry point to the building, just south of a drain, which in turn prevented surface water deriving from use of S4 entering the building from upslope (F31)(Plate 4).



Plate 4 Threshold F522 and pebbled surface F520

The two postholes excavated in 2006 (F518; F523) add to the alignment of similar features in the vicinity of S9 and has resulted in greater confidence in the form of the building (see Figure 5). The postholes shared several similarities with others thought to belong to S9; most significantly, F523 contained a large red sandstone slab packing stone (C3102) and its excavated form suggested it had held a squared timber (Plate 5). Both F523 and F518 were backfilled with a mixture of redeposited



Plate 5 Posthole F523 showing square form and packing slab C3102

buried soil and subsoil (C3100 and C3101; C3004 and C3006 respectively) apparently without redepositing any other archaeological deposits, suggesting they were excavated directly into these natural strata in an area which had not previously seen significant activity.

Evidence for occupation

During 2005, the fills of the focal stone-built hearth (F495 over F529) had been excavated, exposing the stone make-up, being kerbs (C2756), base stone (C2797) and two associated working stances to the north and south (C2760 and C2761)(Plate 6). During 2006, the final recording of F495 was completed and followed by the removal of the stone make-up, which revealed some preparation deposits for F495 (C3190 and C3198) over an earlier guise of hearth allocated F529 (Figure 6). This early hearth consisted of a broad, slightly irregular scoop cut into underlying layers (yet to be allocated) thought to represent preparation of the position of S9 prior to construction. The lower fills of the feature consisted of dirty, mixed clayey silts which were predominantly brown in colour but flecked with bright orange and yellow ash (C3197, C3225, C3230, C3231, C3232, C3234, C3235, C3237, C3252, C3253). These deposits appeared to represent an initial lining of turf interrupted by cleaning out, and occasional fragments of degraded sandstone suggested that F529 had also been stone-lined at some stage (C3212). The late fill system consisted of bright uninterrupted clayey silts representing *in situ* ash of the latest use of F529 (C3205, C3203)(Plate 7) before refurbishment as F495. Surrounding F495/F529 were several post and stakeholes (excavated during 2005). Along with a suite of stakeholes, the hearths were surrounded by larger structural posts: to the south F384 and F386 and to the north F499, thought in 2005 to be paired with another posthole. Upon further investigation close to F499 it became clear that the feature had not been completely excavated during 2005 and two large stones thought to belong to adjacent posthole actually represented packing stones within F499. Once removed, an earlier feature became available for excavation and was allocated F532. Excavation of F532 revealed a series of backfill deposits (C3243, C3248, C3249 and C3250) predominantly representing redeposited subsoil; no evidence for the presence of a post was encountered and the excavated form of F532 consisted of a elongated oval with V-shaped base. In addition, the feature was cut by hearth F529. As such the feature is early in the sequence of activity and may not belong to S9; its purpose also remains unclear.

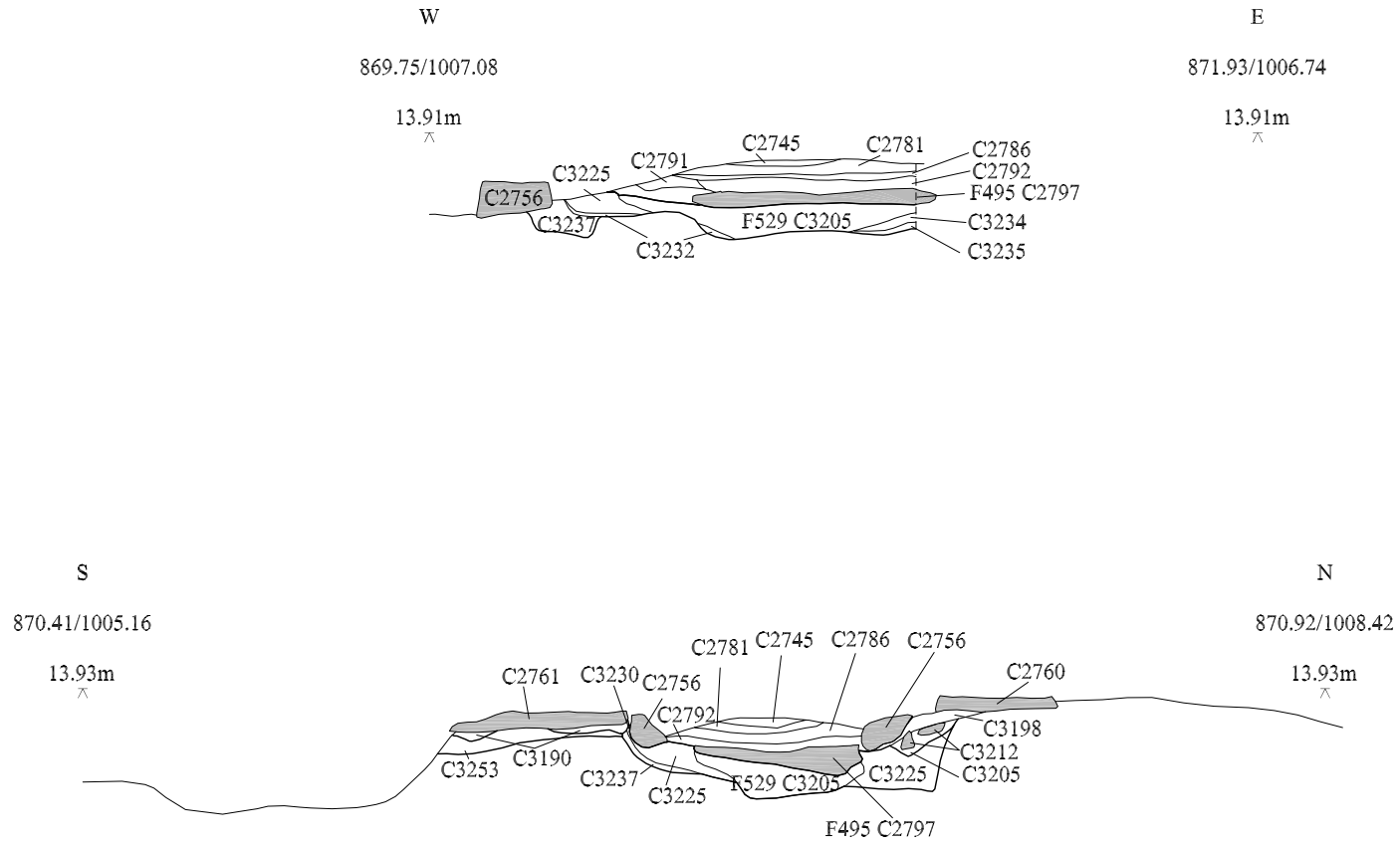


Plate 6 Hearth F495 stone make-up C2761



Plate 7 Hearth F529 during excavation of fill C3205

Also adjacent to F495/F529 were two features interpreted as working stances, consisting of deliberately set stones. The most apparent was working stance F512, the recording and investigation of which was begun in 2005 and was completed during 2006. The feature consisted of several large stones (C2955) packed together with turf and clayey silt (C2957, C3019, C3022, C3024, C3119, C3120, C3214 and C3000) providing a free-



F495 and F529 composite sections

Scale 1:20



Figure 6

standing pedestal with predominantly level surface close to F495/F529. The purpose of the feature is not wholly clear, but the fact that several stone burnishers and rubbers were recovered, along with deposits of ash, suggests that the feature was intentional and may have been related to skin processing. On the south of the interior of the building, a further stance was identified, slightly different in character (F531). This feature consisted of five large flat sandstone boulders (C3242) set closely together to form a surface *c.*1.5m². These had clearly been collected from the shore, since their upper surfaces were covered with small solution holes. Other than providing a broad, flat working surface, the purpose of F531 was not clear.

Further evidence for occupation of S9 and its immediate environs was encountered overlying pebbled surface F520 and in the area between gully F31 and the northern line of postholes belonging to S9. Several amorphous spreads of clayey silt (C2993, C2999, C3007, C3008, C3010, C3011, C3018, C3032, C3033, C3035) and silty sand (C2997, C3012, C3009, C3073, C3077) were identified and excavated, some overlying and covering elements of the building's threshold. Some of these deposits may have represented attempts to consolidate the area again using beaten and compacted ash, while others possibly related to the discard of waste from the building. Several of these deposits contained animal bone; those which were immediately recognisable were cattle metapodials, suggesting the deposits accumulated during occupation of S9. Likewise, several layers contained flecks of burnt shell thought to relate to the preparation of lime for treating pelts and artefacts associated with leather-working such as stone burnishers (C3002, C3061).

Evidence for destruction

The two structural postholes excavated during 2006 contained evidence for the destruction and dismantling of S9, which joins a growing body of evidence suggesting that the building was destroyed by fire and the remains were salvaged and cleared. F518 had trapped a small pocket of primary burning in the void created by the settling of its backfill (Plate 8) and the final backfill of F523 contained frequent charred rods of burnt hurdle suggesting again that S9 did not survive the site-wide fire (C2292 and C3003). In addition, both posts had been deliberately removed suggesting that they were reasonably intact following the fire and reused, possibly structurally or alternatively as a source of fuel. Small areas of primary burning were also encountered close to F523 externally to S9 and allocated C3020 and C2995.



Plate 8 Posthole F518 south facing section

3.2.2 Workshop yard

Excavation within the vellum-workshop yard was concentrated at its southern end within Module C3, adjacent to stone enclosure wall F480 and where the western roadside ditch F471, road kerb F469 and stone-built culvert F468 meet. The deposits within this area were characterised by numerous alternating dumps of ash and dirt, manifest as fine brightly coloured clayey silts ranging in colour from dull yellowish-brown to pinkish-red (C2989, C3015, C3016, C3023, C3025, C3026, C3027, C3030, C3037, C3039, C3040, C3074, C3075, C3076, C3080, C3084, C3086, C3089, C3091, C3094, C3095, C3096, C3106, C3109, C3112, C3128, C3131, C3132,

C3150, C3152, C3158, C3159, C3172, C3191, C3213, C3224, C3226, C3247) and dark grey slightly clayey sandy silts (C3001, C3036, C3079, C3082, C3087, C3187, C3229, C3245, C3251). These deposits presumably derived from nearby craft-working hearths and their principal value appears to be the mixture of burnt and unburnt material that they contain, mainly animal bone.

These deposits, excavated carefully over the last two seasons, seem to have been deposited rapidly and may be related to a deliberate attempt to raise ground level within this zone. The earliest deposits in the sequence of dumping were coincident with the local water table and the intention may have been to raise ground level at the southern end of the craft-working zone following the construction of the millpond to the immediate south. This large-scale water management, manifest as two large stone retaining walls (F148 and F375) and the damming and culverting of a natural stream (S7) seems likely to have made the margins of the pond suddenly wet.

Several widespread ash deposits had been deposited to the immediate east of vellum yard enclosure wall F480 and abutted its stone make-up. The removal of these deposits revealed a linear deposit of animal bone allocated C3122 (Figure 7; Plate 9). The deposit consisted entirely of fragments of large and medium mammal bone, weighing 17kg, being predominantly cattle metapodials, skull and mandible fragments derived from the processing of a large number of carcasses. Once deposited the remains must have become noxious and were covered quite deliberately and possibly swiftly



Plate 9 C3122 pre-excitation

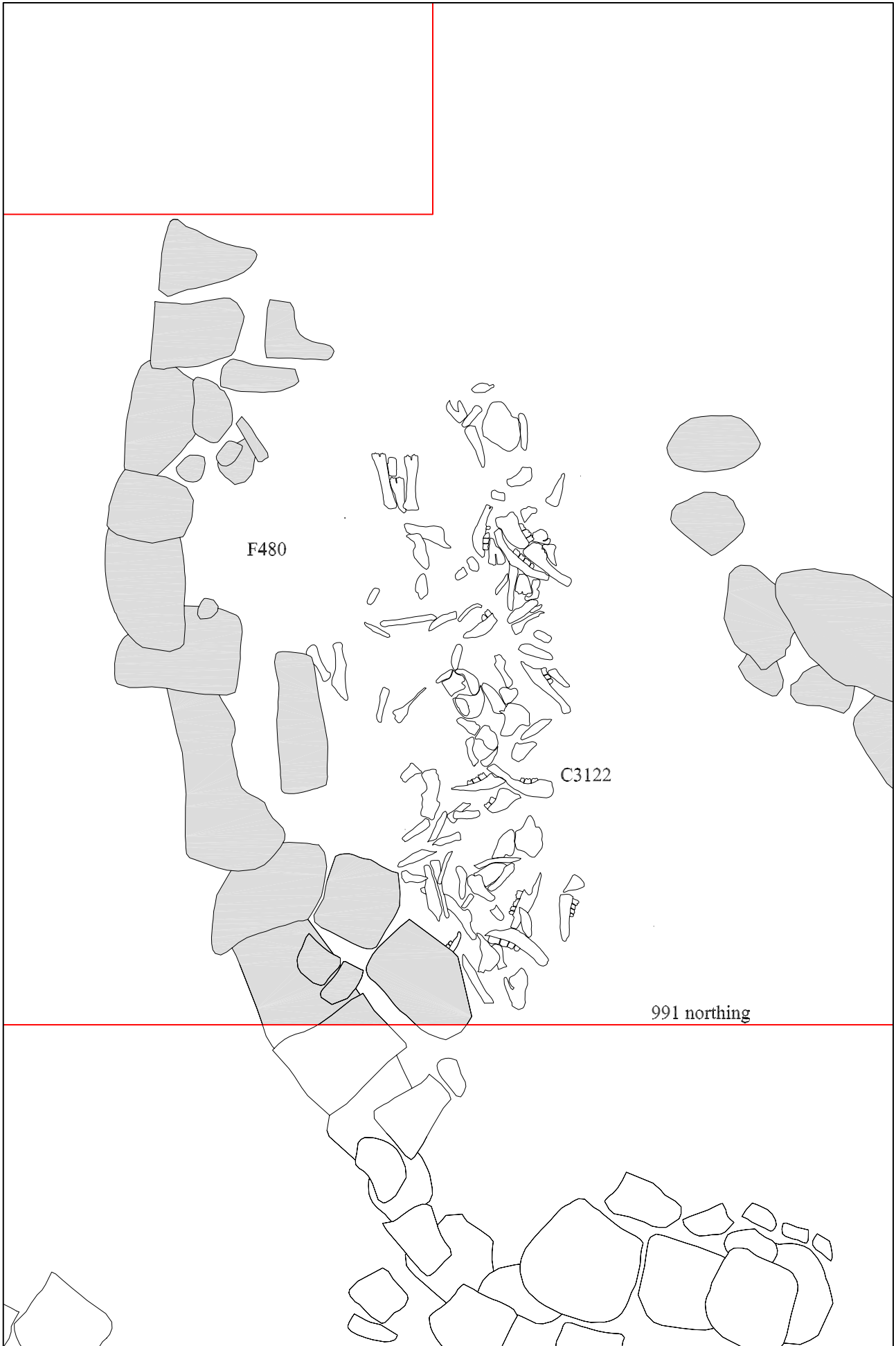
by the overlying deposit of ash (C3123). This deposit probably relates to leather-working undertaken within the yard and workshop (S9), and thus belongs more widely with spreads of animal bone on contemporary occupation surfaces C2109 (western zone) and C2335 (eastern zone).


3.3 EASTERN INDUSTRIAL COMPLEX AND ASSOCIATED FEATURES

This area has been a focus of investigation for several seasons and a complex of metal-working hearths situated on a terrace made of dumped ash with stone revetment wall (F149) was investigated fully in 2005. The 2006 season saw the complete excavation of deposits forming the metal-working terrace, an operation which revealed several new features and enhanced understanding of the zone as a whole in the preceding phase. This zone contains the best and most complete evidence for distinct phases of activity at the site. In addition, the area connects with Intervention 26, excavated in advance of a below-ground oil tank, and which provided a small window into a complex of large stone-built features. The continuation of these features was excavated during 2006 (Figure 8).

3.3.1 Leather-working complex

New understanding of the use of the eastern zone was provided by investigations during 2006. Most notably, the phase of activity preceding the late metal-working terrace appeared to have been related to leather-working. As such, the phase of activity to the east of the road is considered contemporary with S4, S9 and its yard to the



F480 and bone spread C3122 Scale 1:20  Figure 7



Eastern industrial complex

Scale 1:50



Figure 8

west. Features and deposits believed to have been associated with this activity consisted of a possible well (F527), which was identified and excavated partially during 2006. Adjacent, a working surface of sandstone slabs (F525 C3136) was identified, and associated with a small assemblage of leather-working items and a consolidated earthen surface (C3083). These features were enclosed to the west by a large bank F476, explored partially during 2004, but revealed more completely during 2006. To the west of this marker, a consolidated ground surface encountered in previous seasons (C2335) was revealed more extensively and found to be littered with animal bone, again predominantly cattle. Several features cut into C2335 or the layers which were allowed to accumulate on this surface, including a stone-lined pit (F473), half-sectioned during 2005 and excavated completely during 2006, and a hearth and flue combination (F395 and F535 respectively). Preceding this suite of features, an early ditch was identified and recorded photographically in preparation for its excavation during 2007 (F534).

F525 and F527 were situated within Module D3 and their discovery was preceded by the excavation of several amorphous spreads of clayey silt and silty sands, which represented material imported to the area to raise ground levels (C2809, C2814, C3201, C3214, C3083, C3117, C3155, C3163, C3168, C3171, C3174, C3177, C3180, C3185). Removal of C3083 revealed a setting of linear red sandstone slabs which lay partially within the area of excavation and continued beyond the eastern limit of excavation (F525)(Plate 10). The feature appeared to represent the deliberate construction of a working surface. Further removal of imported deposits revealed the late disuse of a large pit adjacent to F525, allocated F527. F527 was identified within an area of the module which, during investigation, had always been much lower than the surrounding ground and contained greater quantities of levelling material. This was found to have been necessitated by the settling and compaction of the latest fills within the pit (C3139, C3154 and C3168) and once backfilled the feature appeared to have been the cause of persistent unstable ground in the immediate area. Partial excavation of the feature revealed the series of late sunken backfills as well as earlier backfills C3192, C3193, C3194 C3195 and C3200 (Plate 11). These deposits overlay the remains of a possible wooden lining within the feature, which was manifest as the very thin remains of a possible plank measuring 0.40m x 0.10m, as well as loose fragments of possible stakes (C3215). The presence of the lining suggests the feature was intended to remain open and since it is close to the water table seems likely to represent a well. The feature is due for full investigation during 2007.



Plate 10 Stone surface F525



Plate 11 Well F527 during excavation

Associated with the deposits over and surrounding F525 and F527 were several finds associated with leather-working. A small whittle-tang iron blade, several stone rubbers and a large fragment of unworked pumice were

recovered and suggest that the eastern zone was also engaged in the production of leather during this phase.

These features were separated from a substantial complex of features by a bank allocated F476, which had been partially revealed within Module B7 in previous seasons. Identified initially as a possible wall footing, greater exposure of the feature has resulted in its identification as a bank with stone core (C2514) consolidated with turf to form a division within an otherwise open area (Plate 12). The stone core of the feature consisted of a linear arrangement of large boulders, each propped individually with smaller stones to create an eastwards tilt. This is likely to have resulted



Plate 12 Stone core make-up of bank F476

in a steeper slope facing F525 and F527 than the slope facing west, although the rationale for this is not yet clear. Once in position, the stones were covered and packed deliberately with turf (C2529, C2524 and C2525).

To the immediate west of bank F476 an expanse of consolidated ground surface was encountered, seen previously within Modules B6 and B7 (C2335). This layer is distinct as a compacted, leathery sandy silt, the upper surface of which was littered with animal bone, again identifiable largely as cattle bone (Plate 13). This surface is considered confidently to be a use horizon for the activity of leather-working and is associated with bank F476 and all features to either side including a complex of large stone-built features. As such it can be considered analogous with the use horizon within the vellum-working yard (C2109) and the equivalent layer within S9 (C2950) making an important link between these separate areas.



Plate 13 Bone-rich surface C2335 during cleaning

The occupation of C2335 was associated with two large stone-built features: F395 and F519. These features consisted of a length of large possible flue excavated during 2001 (F395), butt-ending just north of a stone-lined hearth (F535) which is awaiting excavation, with a similar stone-built feature to the north (F519). Both features are seen to converge within the area of Intervention 26 (allocated F19); all three represent lengths of the same feature. F395 appeared as a positive stone-built feature with free-standing walls (C2446) and capstones (C2359) covered or sealed with turf, while F519 functioned as a subterranean feature, but was nonetheless of similar construction. Excavation of F395 during 2001 encountered secondary sandy silt fills (C2445) within the channel of the 'flue' which did not appear to be directly related to use of the feature; significantly, a complete leather-working needle was recovered during its excavation. Excavation of F519 encountered several secondary backfills consisting of mixed sandy silts (C3064, C3069 and C3070) overlying deposits which appeared to be related to silting during use (C3090 and C3078). Removal of these deposits allowed recording of the make-up of the feature, which consisted of large stones placed around the edge of the construction cut (C3111), stacked where the feature butt-ended, and capped with sandstone slabs, many of which had cracked and collapsed

slightly (C3045)(Plate 14). The feature was clearly intended to function as a hollow below-ground feature, but whether this was to soak water away, or channel warm air is not clear. Once capped, the feature was sealed with turves and fine sand, manifest as a bright orange 'crust' over all capstones (C3028), and levelled with pale grey sand (C3017); some effort had been involved in carefully sealing and levelling the feature.



Plate 14 Culvert F519

The possibility that these features were associated with the movement of warm air, or possibly smoke, is increased by the juxtaposition of the butt-end of F395 with stone-lined hearth F535 (Plate 15). This feature has been mapped and photographed prior to excavation during 2007, but appears deliberately set at the terminus of F395. A number of stake and postholes are present in the area and some sort of wooden structure connected these features together remains a possibility. The process of leather-, or more specifically, vellum-making would require drying or smoking hides and the operation of these features together in this context is a possible interpretation.



Plate 15 Hearth F535 pre-excitation

4.0 DISCUSSION

The 2006 season has enabled the use and layout of the leather-working phase to be better understood, and this is now known to have been the primary activity to either side of the road. Previous seasons of excavation have been focussed on the western zone, where S4, S9 and the vellum-working yard are now well-defined and the activities undertaken have been surmised from the rich artefactual and animal bone assemblages recovered. The earliest stages of construction of S9, including the preparation of its terrace platform, are now better understood. However, the form of S9 is not yet wholly clear, and further investigation may identify postholes missing presently from the plan. Until further investigation, it would not be prudent to confirm the final form of the structure. The use of S4 for tawing or washing tawed hides, with further drying, stretching, scraping and polishing of hides suspended on frames within S9 and the vellum-working yard, is proposed with some confidence. The southernmost, and possibly wet or damp, end of the vellum-working yard, appears to have been used to dump refuse, most notably a large deposit of processed cattle carcasses. The eastern zone, however, while clearly engaged in associated activities, is more difficult to define.

The contemporary use of the eastern area would appear to have consisted of open-air activities manifest as widespread, consolidated earthen surfaces to either side of bank F476: C2335 to both the north and west; C3083 to the east. The principal material evidence in this zone is the frequent cattle bone, although a small assemblage of leather-working artefacts has accumulated from the deposits and features in the east zone during several seasons of excavation. Specifically, this includes a complete leather-working needle, two pieces of raw,

unshaped pumice, a fragmentary possible chalk rubber, stone burnishers or rubbers and iron knives, as well as occasional deposits with a component of burnt shell.

Nonetheless, associated features are unusual and complex, and much harder to interpret confidently. The juxtaposition of flue F395/F519, now known to represent lengths of the same feature, with hearth F535 is intriguing. The large L-shaped stone built feature (F395/F519/F19-Intervention 26) was clearly intended to exist as a covered and subterranean stone-built channel. F395 represents a length of positive, but turf covered channel, gradually intruding into the ground until F19/F519 became a completely subterranean portion of the feature. The respective stone-cap heights of the portion of the feature are within 0.20m for the entire length of the feature; this aspect of the feature would appear to have been carefully engineered and important to its function (F519=14.16m AOD; F19=14.20m AOD; F395=13.96-14.06m AOD). Notably, the terminus of F395, closest to hearth F535, was filled with loose ash at that end, and the features are likely to have operated together. The use of heat or smoke to treat hides should not be excluded in further investigation of this complex.

The carefully planned and executed use of the road flanking ditches, with integral and connected features, contributes further to evidence that this industrial phase was planned on a wide scale, to ensure that activities to either side were furnished suitably with the requisite features for leather-working. To the west, the focus would appear to be related to the removal of water from the zone, with no apparent evidence for collection. The complex of possible culverts on the western shoulder of F471, along with F467 exiting from the workshop itself, would have issued into a wood-lined, or at least well-maintained, ditch to ensure good drainage. To the east the emphasis would appear to have been the collection of liquid from the ditch. This has been assumed to have been fresh water for craft-activities, although features associated with C2335 (F470) may have been associated with the process of slaughter and butchery, and the collection of other liquids should not be ruled out. The road and ditches remained a focus for activity until the monastic site became abandoned and features within, and associated with, the ditches were disused and replaced or recut over some period of time.

5.0 2007 EXCAVATION SEASON

The proposed excavation area for the 2007 season will consist of the modules investigated during 2006, including the complete area of Modules C2 to D3. In addition, modules to the south of the area of excavation (Modules C6 to D7), last investigated during 2000, will also be reopened. This will allow targeted investigation of features associated with the millpond, and those features relating to activity in the area prior to the construction of the millpond, now thought to be contemporary with the earliest phase within the craft-working zone. This large excavation area will also be a feature of the Highlands Region of Culture 2007 celebrations. The selected area will also allow a final view of the settlement exposed on a wide scale, discussion of which will be the subject of several interpretation seminars throughout the season.

More specifically, excavation within the craft-working zone from north to south will focus on the excavation of two features (F516 and F517) identified during 2005 as probable graves, to either side of a feature excavated during 2005 and found to contain an inhumation burial within a stone cist (F515). Further south, construction deposits belonging to the monastic road will also be excavated selectively, to ascertain the nature of road make-up deposits and to test whether the feature overlay an earlier period of occupation. To the west of the road, the

area of S9 will be subject to further investigation, concentrating particularly on deposits associated with the preparation of the terrace prior to construction, as well as a search for any further structural features, particularly postholes. To the east of the road, the excavation of hearth F535 will be undertaken and completed, along with the investigation of well F527, which will be preceded by the removal of later terrace wall F149. The early ditch F534 will then also be excavated entirely and the natural subsoil layers investigated (Plate 16). Within the millpond,



Plate 16 Ditch F534 pre-excitation

exploration of large stone-built features thought to belong to the mill water-management (S7) will be undertaken to complete the investigation and mapping of this important structure. The targeted investigation of these principal features is in accordance with the project management plan, which stresses the preservation of key features to allow interpretation at the site once excavation has been completed. This aspect of the management plan will also be the subject of discussion during the site interpretation seminars during 2007.

6.0 ARCHIVE

The project archive is in the care of Field Archaeology Specialists and Department of Archaeology, University of York. All finds are reported to the Treasure Trove Advisory Panel, and all excavated material, including that from the 2005 excavation season, has been awarded, by the Queen's and Lord Treasurer's Remembrancer, to the National Museums of Scotland. Material is accessioned into the National Museums of Scotland after post-excavation analysis has been completed with the exception of human bone, which has been returned to Tarbat Old Church.

A copy of this report will be sent to Historic Scotland and to the Highland Council for inclusion in the HER.

References

- Carver, M.O.H. 1995. (ed) *Bulletin of the Tarbat Discovery Programme Bulletin Number 1* (York)
- Carver, M.O.H. 1999. 'Field Archaeology', in G. Barker (ed) *Companion Encyclopaedia of Archaeology* (London):128-181
- Carver, M.O.H. 2004. 'An Iona of the East: The Early-medieval Monastery at Portmahomack, Tarbat Ness', *Medieval Archaeology* 48:1-30
- Carver, M.O.H. 2005. 'Sculpture in action: contexts for stone carving on the Tarbat peninsula, Easter Ross' in S. Foster and M. Cross (eds) *Able Minds and Practised Hands* (Maney)
- Carver, M.O.H. and Spall, C.A. 2005. 'Excavating a *parchemenerie*: the archaeological correlates of making parchment at the Pictish monastery at Portmahomack, Easter Ross', *Proceedings of the Society of Antiquaries of Scotland* 134:183-200
- Foster, S. and Cross, M. 2005. *Able Minds and Practised Hands, Scotland's Early Medieval Sculpture in the 21st century, The Society for Medieval Archaeology Monograph 23*
- Graham-Campbell, J. and Batey, C.E. 1998. *Vikings in Scotland* (Edinburgh University Press)
- Historic Scotland 1996. *Archaeology Procedure Paper 2, Project Design, Implementation and Archiving* (Edinburgh)
- MacGregor, A. 1992. 'Bone and Antler Objects', in G. Milne and Richards, J.D. (eds), *Wharram, A study of settlement on the Yorkshire Wolds, VII: Two Anglo-Saxon Buildings and Associated Finds: 54-58*, (York: York University Archaeological Publications 9)
- MacGregor, A., Mainman, A.J. and Rogers, N.S.H. 1999. *Craft Industry and Everyday Life: Bone, Antler, Ivory and Horn from Anglo-Scandinavian and Medieval York, The Archaeology of York, AY17/2* (York, CBA)
- MacGregor, A. 2000. 'Bone and antler objects', in P.A. Stamper and Croft, R.A. (eds), *Wharram: A Study of Settlement on the Yorkshire Wolds, VIII: The South Manor Area: 148-154* (York: York University Archaeological Publications 10)
- Mann, J.E. 1982. *Early Medieval Finds from Flaxengate 1: Objects of Antler, Bone, Stone, Horn, Ivory, Amber and Jet* (London, CBA)
- Rogers, N.S.H. 1993. *Anglian and other finds from Fishergate, The Archaeology of York, AY17/9* (York, CBA)
- Spall, C.A. 2004. *Tarbat Discovery Programme, Data Structure Report No. 1* (unpublished archaeological report)
- Spall, C.A. 2006. 'All that glitters: the case for gold-working at the early medieval monastery, Portmahomack', *Historical Metallurgy* 40 (1): 42-48
- Spall, C.A. forthcoming. 'Reflections on the monastic arts: recent discoveries at Portmahomack, Tarbat, Easter Ross', *Proceedings of the conference on the Archaeology of the Celtic Church, University of Wales, Bangor, September 9th to 12th 2004*



APPENDIX A INDEX TO 2006 FIELD FILE

CODE	DESCRIPTION	RECORD	FORMAT
Indices			
YO1	Index of notebooks	-	-
YO2	Index of contexts	10	A4
YO3	Index of features	1	A4
YO4	Index of structures	-	-
YO5	Index of drawings	8	A4
YO6	.0 Index of photographs	8	A4
	.1 Index of film processing	1	A4
YO7	.0 Index of finds	17	A4
	.1 Index of finds by context	-	-
	.2 Index of finds by grid square	-	-
	.3 Sample Register	6	A4
	.4 Artefact Register	-	-
	.5 Finds Storage Register	-	-
YO8	Index of geophysical data files	-	-
YO9	.0 Index of survey stations	-	-
	.1 Index of co-ordinate files	-	-
	.2 Index of topographic files	-	-
YO10	Index of interventions	-	-
Y1			
Notebooks			
Contexts			
Y2	.0 Context Record	295	A4
	.1 Skeleton Record	-	-
	.2 Coffin Record	-	-
	.3 Masonry Record	-	-
	.4 Timber Record	-	-
Features			
Y3	.0 Feature Record	23	A4
	.1 Auger Record	-	-
Structures			
Y4	Structure Record	-	-
Site drawing			
Y5	.0 Legend	-	-
	.1 Plans	267	A1/A4
	.2 Maps	-	-
	.3 Sections	11	A1/A4
Photographs			
Y6	.0 Black and white negatives	-	-
	.1 Colour negatives	282	35mm
	.2 Colour slides	-	-
	.3 Colour enprints	282	6x4
	.4 Black and white prints	-	-
Finds			
Y7	.0 Finds Location Record	-	-
	.1 Artefact Record	-	-
Survey			
Y8	.0 Record of geophysical data files	-	-
	.1 Record of .RAW data file	-	-
	.2 Record of .FLD data file	-	-
	.3 Surface Reconnaissance Record	-	-

APPENDIX B CONTEXT AND FEATURE SUMMARIES

SUMMARY OF CONTEXT RECORDS

*= allocated during previous seasons, but investigated during 2006

Context	Identity	Feature	Description	Munsell
2117*	deposit	-	mottled brown sandy silt with orange and red flecks, rare charcoal inclusions, some angular and rounded pebbles occasional large fragments of animal bone, poorly defined	10YR2.5/2
2190*	backfill	472	identified in TR98 excavated out of sequence. Mottled grey sand marked with flecks of pale yellow clayey silt, charcoal and flecks of degraded sandstone, occasional mixed gravel noted throughout, bone and daub recovered	10YR4/2
2339*	layer	-	dark greyish-brown deposit with charcoal flecks, a concentration of twig charcoal and many crumbs of decayed sandstone some bone and teeth fragments	10YR4/2
2335*	layer	-	very dark greyish-brown sandy silt mottled in places with clayey silt flecks and twiggy charcoal fragments and becoming more greasy and plastic to the south; contained a dump of cattle metapodials	10YR3/2
2337*	layer	-	distinct layer of mottled sandy silt flecked throughout with charcoal, clods of clayey silt and orange daub, relatively frequent occurrence of flecks and lumps of degraded sandstone	10YR3/4
2475*	spread	-	pale brown clayey silt, patchy, occupying a small hollow caused by slumping	10YR6/3
2476*	layer	-	very dark brown sandy silt with lenses or orange (decayed turf) and rare charcoal flecks; several fragments of animal bone recovered	10YR3/2
2477*	dump	-	yellowish-brown clayey silt, slightly mottled with rare charcoal inclusions and measuring 0.02m in depth	10YR5/4
2490*	layer	471	brown clayey silt matrix with charcoal inclusions, ephemeral and poorly defined containing some animal bone	various
2510*	backfill	472	distinct pinkish-red clayey silt with frequent lenses and flecks of charcoal throughout, occasional large pebbles and cobbles were noted alongside small flecks of degraded sandstone	5YR3/4
2517*	deposit	467	complex layers of buff and dark brown silty sand with patches of mottled fine and light yellowish-brown sand with some shell fragments and bone fragments, occasional charcoal flecks	various
2519*	backfill	472	black charcoal-rich sticky silt containing a very high percentage of burnt turf charcoal	7.5YR2.5/1
2521*	primary silting	472	soft moist coarse sand which was mottled in colour being pale yellow primarily but flecked with a pale grey, white and dark greyish black throughout	various
2523*	backfill	472	dark grey sandy silt with frequent flecks of dark orangish-yellow silty sand, consistent and well-defined with occasional mixed gravel and charcoal flecks and iron mineral staining	2.5Y5/6
2950*	layer	-	dark brownish-grey fine silty sand layer flecked throughout with very pale brown sand with rare patches of grey shell ash with white flecks and reddish-brown sand, inclusions of rounded gravel and pebbles	various

Context	Identity	Feature	Description	Munsell
2989	spread	471	light yellowish-brown clayey silt with rare flecks of charcoal and animal bone some of the smaller bone fragments were burnt, disturbed by burrowing	10YR6/4
2990	layer	471	dark brown clayey silt with rare charcoal flecks	10YR3/2
2991	spread	471	yellowish-brown clay silt ash with rare charcoal flecks, it has been extensively burrowed	10YR5/6
2992	backfill	518	mid-greyish-brown sandy silt, roughly sub-rectangular deposit, with occasional grit and charcoal flecks	10YR2/2
2993	layer	-	mottled yellowish-brown clayey silt with patches of brown sand, occasional patches of charcoal and some fragments of burnt bone	various
2994	layer	471	grey mottled silty sand with occasional patches of clayey silt and rare flecks of charcoal and angular gravel	10YR4/6
2995	layer	-	orange clayey silt matrix with patches of brown sand and a lower layer rich in charcoal	various
2996	spread	-	irregular spread of mottled grey sand , moderately compacted with angular fragments of sandstone and occasional pieces of animal bone	10YR3/3
2997	layer	-	spread of dark brown silty sand, ephemeral in plan, with no inclusions	10YR2/2
2998	dump	471	ring of fire cracked pebbles and cobbles with a mound of clayey silts and silty sand confined within its circumference	-
2999	layer	-	orange clayey silt with brown sand and charcoal inclusions	various
3000	layer	-	ephemeral layer of reddish-brown fine sterile silty sand with rare rounded gravel	7.5YR2.5/3
3001	layer	471	mottled brown silty sand with some areas of clay matrix with rare charcoal flecks	10YR3/4
3002	layer	-	very mixed clayey silt and sand interrupted by animal burrowing occasional fragments of winkle shell	various
3003	primary fill	518	bright orangish-yellow clayey silt with high proportion of fine black charcoal-rich silt dispersed in bands throughout, occasional gravel and bright reddish-orange flecks also noted during excavation	10YR5/6
3004	backfill	518	mixed sand with visible tip lines of dark grey silty sand, poorly defined and characterised by pockets and lenses of dark yellowish-brown sand interrupted with lenses of silty sand frequent mixed gravel and occasional large lumps of sandstone	various
3005	spread	471	mixed layer of yellowish-brown clayey silt and charcoal	10YR5/6
3006	backfill	518	pale yellow sand subsoil with frequent inclusions of mixed gravel. Three angular packing stones were noted against the western side of C3006	10YR5/6
3007	layer	-	mottled yellowish-brown clayey silt overlaying brown sand looks like a residue from a wider deposit trapped between stones in a small shallow hollow	various
3008	layer	-	brown clayey silt, very few small fragments of burnt bone found on excavation plus a few flecks of charcoal	various
3009	layer	-	very mixed composition of charcoal and silty brown sand with a little scattered yellow clayey silt	7.5YR5/6
3010	layer	-	mixed clayey silt and sandy silt charcoal deposit, yellow and red in colour with frequent fragments of bone fragments	various

Context	Identity	Feature	Description	Munsell
3011	layer	-	very dark brown charcoal-rich clayey silt with patches of yellow clayey silt	various
3012	lens	471	yellowish-brown silty sand	10YR5/8
3013	spread	471	spread of orange clayey silt which was mixed with yellow clayey silt and contained iron pan	various
3014	turf cover?	519	amorphous layer of dark grey, fine sandy silt, with occasional small lenses and wisps of white sand and rare probably intrusive glacial gravel, occasional flecks of bright orangish-brown	various
3015	layer	471	small orange clayey silt spread, whetstone recovered	7.5YR5/8
3016	layer	471	yellow clayey silt with rare flecks of charcoal, it also contained fire-cracked pebbles	various
3017	leveling	519	pale yellowish-grey sand, small gravel and pebbles lenses of light grey sand noted throughout	various
3018	layer	-	orange clayey silt with small patches of brown sand and some charcoal	various
3019	make-up	512	very crumbly, rich black burnt deposit of silty sand	10YR2/1
3020	layer	-	possible primary burning layer consisting of a triangular patch of yellow clayey silt with a basal layer of charcoal	7.5YR5/6
3021	layer	-	uniform brown sand layer truncated to the south and the west	7.5YR3/3
3022	deposit	512	very small dump of dark yellowish-brown sand with mixed small and large gravel inclusions throughout, forms a hump of redeposited subsoil beneath burnt turf deposit C3019	7.5YR3/3
3023	spread	-	poorly defined orange clayey silt with rare charcoal flecks	7.5YR5/8
3024	dump	512	pale silvery brown fine sand with rare inclusions of tiny angular and rounded pebbles essentially a sterile context but very rare tiny flecks of charcoal	10YR5/6
3025	spread	-	small spread of orange clayey silt with rare charcoal flecks	7.5YR5/8
3026	spread	471	small yellow clayey silt spread with rare charcoal flecks	10YR5/4
3027	layer	471	mixed layer of clayey silt with a small concentration of cow bones and occasional charcoal flecks	various
3028	turf cover	519	orangish-brown layer, consistently friable crumbly turf with occasional small lenses of pale yellow sand throughout	
3029	dump	-	irregular spread of very dark yellowish-brown sandy silt situated centrally within Mod D2, a large quantity of animal bone was recovered, inclusions of fire cracked pebbles and sandstone pieces and a single fragment of slag	10YR3/4
3030	dump	-	yellowish-brown clayey silt interwoven with a mineralised seam of iron panning with occasional flecks of charcoal and bone fragments	10YR5/8
3031	spread	-	sub-oval spread of stone rubble comprising sandstone, quartz and a vellum pebble, stone all fragmentary or cracked and in pieces, possibly heat-cracked	various
3032	layer	-	orange clayey silt with patches of brown silty sand	various
3033	layer	-	dark charcoal-rich clayey silt with frequent flecks of charcoal	7.5YR3/2
3034	layer	-	yellowish-brown silt with occasional fragments of decayed shell and occasional bands of brown sandy silt and pebbles, rare charcoal fragments and bone fragments	10YR6/4

Context	Identity	Feature	Description	Munsell
3035	layer	-	yellow clayey silt matrix with scattered patches of brown silty sand	7.5YR5/6
3036	layer	471	brown silty sand	10YR3/3
3037	dump	471	mottled layer of brown clayey silt with flecks and fragments of charcoal	various
3038	make-up	476	firmly compacted, yellowish-grey clayey silt flecked with orange (possibly representing decayed turf)	10YR6/2
3039	layer	471	orange clayey silt with occasional charcoal flecks	10YR5/8
3040	layer	471	yellowish-brown clayey silt with occasional charcoal flecks	10YR5/6
3041	spread	-	small patchy spread of yellowish-brown clayey silt with occasional flecks of charcoal	10YR5/6
3042	layer	-	very dark brown fine silt occasional gravel and pebbles, decayed sandstone and charcoal flecks	7.5YR3/3
3043	layer	-	very dark brown silty sand with occasional cobbles and bone fragments, abuts stone foot of wall to the north and east	7.5YR2.5/3
3044	deposit	476	orange sand identified in the north facing section of B7, measuring 0.40m x 0.30m x 0.05m	2.5Y5/6
3045	make-up	519	stone lid make-up of culvert F519 consisting of large slabs of red sandstone and flat and irregular granite and sandstone beach cobbles, sandstone slabs had begun to decay and had collapsed and fragmented, measured up to 0.9m long	various
3046	spread	471	strong brown clayey silt with occasional fire cracked stone and charcoal flecks	7.5YR5/8
3047	layer	476	clean deposit of brown sandy silt abutting and covering stone make up of F476 with fragments of bone, charcoal flecks and angular gravel	10YR4/2
3048	spread	471	orange clayey silt with rare mixed pebbles	10YR 5/8
3049	spread	471	mixed layer of clayey silt, frequent yellow and orange flecks with some charcoal inclusions	various
3050	layer	471	yellowish-brown clayey silt with occasional mixed pebbles	various
3051	layer	-	fine brown sand with narrow bands of richer colour and patches of darker brown silt, occasional concentrations of pebbles	7.5YR5/4
3052	make-up	476	varied deposit of grey silty sand with angular gravel forming uppermost deposit of bank make-up F476	10YR5/1
3053	spread/make-up	476	small spread of pale yellowish-brown clayey silt abutting stone make-up of F476 and sloped downwards to the west	10YR7/2
3054	spread	471	yellowish-brown clayey silt, heavily burrowed with occasional charcoal flecks and fire cracked pebbles	10YR5/6
3055	make-up	476	slightly mottled orange sand identified initially in section in B7, measured 0.10m in depth	7.5YR4/6
3056	dump	476	reddish-brown sand, abutting stones C2514. No finds recovered and appeared to fill a void by the stone make-up of F476	7.5YR3/3
3057	dump	476	white clayey sand with frequent charcoal flecks throughout, identified in the north facing section of B7	2.5Y6/2
3058	layer	471	yellowish-brown clayey silt, rich in charcoal with angular and mixed pebbles	various
3059	make-up	476	greyish-brown silty sand with occasional flecks of orange, measured 0.10m in depth, identified in the north facing section	7.5YR4/2

Context	Identity	Feature	Description	Munsell
3060	floor	520	spread of small cobbles abutting wall F510	-
3061	layer	-	dark greyish-brown sandy silt interleaved with heat-cracked cobbles and large horizontal slabs of pink sandstone. Fairly friable deposit with lenses of bright yellow and pinkish-orange clayey silts and flecks of charcoal. Lens of bright clean white wind blow sand included.	various
3062	layer	476	fine, whitish sand, identified in the eastern part of Mod D2 abutting stone make-up of F476	10YR6/2
3063	spread	471	burrowed spread of charcoal-rich light yellow clayey silt	10YR5/4
3064	backfill	519	very loosely compacted soft fine grey sandy silt containing occasional charcoal fragments and mixed gravel. The context was contained within the stone make-up of F519. Several fragments of degraded burnt and unburnt and calcined animal bone	10YR3/1
3065	setting	-	irregular setting of four sandstone slabs, two set flat either side of posthole, reddish in colour and similar in shape, eastern stone notch on east edge and scratch marks on surface, two set on edge yellowish in colour, orientated E-W	various
3066	dump	471	dark yellowish-brown clayey silt with occasional charcoal flecks and mixed fire cracked pebbles	10YR3/6
3067	layer	520	line of flat sandstone slabs, 1.20m x 0.45m, the largest slab is a red sandstone while the rest are yellow sandstone	various
3068	layer	520	line of stones, the two middle fragments are red sandstone and remaining flags are yellow	various
3069	backfill	519	pale grey slightly silty sand present in small spreads with occasional mixed gravel and rare animal bone and charcoal	10YR3/3
3070	backfill	519	buff silty sand with rare mixed gravel and was almost totally sterile	10YR4/4
3071	make -up	522	fairly linear alignment of level horizontal sandstone slabs 0.15m x 0.65m in diameter within a very mottled fine sterile grey and brown silty sand derived from turf stones aligned NE-SW, matrix contained very rare small bone fragments occasional rounded gravel and rare charcoal flecks	10YR2/1
3072	layer	471	grey charcoal-rich ashy clayey silt fringed with concentrations of charcoal	various
3073	deposit	-	small arc of speckled reddish-brown clayey silt with occasional flecks of charcoal and pale yellow sandstone, mottling of iron stained material possibly derived from old turf present	7.5YR2.5/2
3074	spread	-	poorly defined charcoal-rich clayey silt spread with frequent charcoal flecks throughout	10YR2/2
3075	spread	-	charcoal-rich spread of orange clayey silt with occasional charcoal flecks and rounded pebbles	10YR5/8
3076	spread	-	orange clayey silt with occasional charcoal flecks	7.5YR5/8
3077	deposit	-	iron-stained silvery sand	10YR3/1
3078	backfill	519	dark brownish-black humic sandy silt with rare gravel inclusions and occasional small components of red sandstone	10YR2/3
3079	layer	-	yellowish-brown clayey silt with occasional charcoal flecks	various
3080	layer	-	yellowish-orange clayey silt mixed with iron panning with occasional shell fragments and charcoal flecks	various



Context	Identity	Feature	Description	Munsell
3081	fill	521	black silty deposit with winkle and limpet shells, particularly in the upper levels	7.5YR2.5/1
3082	layer	-	charcoal-rich, dark brown silty sand heavily mixed and burrowed with frequent charcoal flecks	10YR3/2
3083	layer	-	homogenous deposit of brown sandy silt, a large number of cobbles were noted within the layer which was flecked throughout with charcoal and produced animal bone, a lump of raw pumice and a single fe blade were recovered. The cobbles were frequently fire cracked	10YR3/2
3084	layer	-	mixed and burrowed charcoal-rich layer of yellowish-brown with occasional clayey silt	various
3085	backfill	471	yellowish-brown clay contains two fire cracked pebbles and a large piece of daub and some animal bone	various
3086	layer	471	yellowish-grey ashy clayey silt mixed with underlying charcoal-rich layer, inclusions of animal bone, fire-cracked pebbles	various
3087	spread	-	mixed yellowish-brown clayey silt with charcoal inclusions	10YR5/8
3088	dump	476	small sub-circular deposit of yellowish-brown clayey silt mottled with root disturbance and flecked with charcoal, a darker charcoal fringe was noted	10YR5/8
3089	spread	-	yellowish-brown clayey silt with rare charcoal flecks	10YR5/8
3090	backfill	519	buff sand laminated with thin bands of grey sand with occasional gravel, otherwise completely sterile	various
3091	dump	-	orangish-brown clayey silt with iron panning, occasional charcoal flecks and mixed pebbles	10YR4/6
3092	layer	-	spread of brown silty sand with a few small stones present at the surface, occasional fragments of bone and decayed shell	7.5YR3/3
3093	layer	-	spread of grey ashy silt mottled with very dark brown, black and grey with a scattering of white flecks, with occasional fragments of unburnt bone recovered	various
3094	layer	-	dark brown clayey silt with occasional charcoal flecks thought to be a layer of trample	10YR2/2
3095	deposit	471	yellowish-brown clayey silt and rare charcoal flecks	10YR4/4
3096	spread	471	dark yellowish-brown layer of clayey silt with occasional charcoal flecks	various
3097	dump	471	mixed yellowish-brown clayey silt with rare charcoal flecks and mixed pebbles, daub, plough pebbles and animal bone recovered	10YR3/4
3098	backfill	523	dark greyish-brown silty sand with frequent charcoal flecks and fragments of burnt hurdle throughout, contained rare small gravel	10YR3/1
3099	layer	-	dark brown silty sand matrix with considerable charcoal flecks and fragments and frequent angular pebbles	10YR2/2
3100	backfill	523	friable, very dirty, mixed greyish-buff sand with pockets of very dark grey silty sand left by rootlet/worm action, appears to form backfill of post void, inclusions of small rounded gravel and occasional large angular fragments of sandstone	10YR5/3
3101	backfill	523	dirty yellow redeposited subsoil backfill represents initial backfill construction cut following positioning of packing stones, frequent rounded gravel and pebbles	10YR6/4

Context	Identity	Feature	Description	Munsell
3102	backfill	523	single large pitched pink sandstone slab tipped against northern edge of F523, measured 0.27m x 0.45m x 0.05m	various
3103	spread	471	charcoal-rich silt mixed with patches of clean greyish-brown silt and yellow clayey silt	various
3104	layer	-	orangish-brown clay mixed with stone, a charcoal layer was evident towards the base of the layer	various
3105	layer	-	light olive-brown sandy silt with charcoal flecks throughout with patches of a darker silt	2.5Y5/3
3106	spread	-	rusty yellow iron pan and a very mixed clayey silts with frequent flecks and fragments of charcoal	various
3107	backfill	524	very dark greyish-brown crumbs of sandy silt containing disordered angular fragments of stone and some charcoal flecks	10YR3/2
3108			not used	
3109	deposit	-	bluish-grey clayey silt with yellow sand inclusions and charcoal, animal bone and decayed shell recovered	various
3110	packing stones	524	series of cobbles and cracked pebbles identified within posthole F524	various
3111	make-up	519	slabs and cobble make-up of the sides of culvert F519, consisted principally of large unworked sandstone cobbles which measured over 0.50m, dry stone slabs were set horizontally between two slabs the sides were set vertically and supported the lid of the culvert	various
3112	layer	-	small deposit of brownish-yellow clayey silt	10YR6/6
3113	spread	-	irregular spread of compacted clayey silt, flecked with charcoal the matrix varied in colour from white to pink to yellowish-brown but appeared to represent a single context	10YR3/4
3114	recovery context	-	recovery context allocated to mixed brown band deposit over much of B0/B1 to allow collection of surface small finds	
3115	dump	-	dump of winkle shells within a matrix of greyish-brown silty sand with inclusions of limpets, charcoal flecks and an iron nail, situated to the west of stone make-up of F473	10YR3/2
3116	layer	-	very poorly defined deposit of silty sand situated in the western part of Mod D2 deposit measures up to 0.10m in depth with a highly variable matrix and occasional inclusions of bone, daub and charcoal	10YR4/2
3117	dump	-	dark greyish-brown clayey silt mottled throughout with lighter orange patches and charcoal throughout, rare bone fragments	10YR3/2
3118	layer	-	compact yellowish-brown clayey silt with frequent small bone and charcoal fragments occasional thin washes of fine dark greyish-brown silt towards the base	10YR5/4
3119	layer	512	homogenous brown silty sand forming top of pedestal of strata exposed on removal of large horizontal sandstone block from the east facing section	10YR3/2
3120	layer	512	dark mottled charcoal-rich clayey silt with patches of mixed sand throughout, excavated as part of pedestal of strata left after the removal of large stone from the east facing section measured 0.07m thick	various
3121	layer	-	brown sand with occasional charcoal and bone	10YR4/3

Context	Identity	Feature	Description	Munsell
3122	layer	-	greyish-brown sandy silt surrounding a dense patch of butchered animal bone, rare charcoal flecks and mixed pebbles	10YR4/2
3123	spread	-	highly variable deposit of mixed clayey silt, variable in colour mainly light greyish-brown with green patches and flecked throughout with charcoal	various
3124	layer	-	very mixed brown silty sand with rich concentrations of compact turfy material and patches of buff sand	various
3125	layer	-	thin layer of moderately compacted light grey sand with angular and mixed gravel	various
3126	layer	-	dark brown silty sand with occasional gravel, bone fragments and charcoal flecks throughout	7.5YR3/2
3127	layer	-	irregular spread of very light grey sand flecked with mineral staining and containing occasional charcoal flecks and fragments of animal bone	various
3128	spread	-	bone-rich spread of clayey silt with inclusions of fire cracked pebble fragments, animal bone charcoal and a plough pebble	
3129	fill	472	poorly defined deposit of medium grey silty sand present in the base of road side ditch F472, with frequent inclusions of mixed gravel and pebbles and fragments of sandstone possibly deliberately placed to aid drainage	2.5Y3/1
3130	layer	-	fine yellowish-brown sand, variable in colour with occasional lenses of dark brown sandy silt some mineral staining occasional gravel and pebbles were noted, poorly defined in plan	7.5YR4/2
3131	deposits	-	bone-rich clayey silt, contained some fragments of fire-cracked stones and occasional charcoal flecks	various
3132	deposit	-	dark yellowish-brown clayey silt which surrounded a highly concentrated dump of animal bone	various
3133	spread	476	small irregular spread of greyish-brown silty sand which divided wind blown sand from underlying mottled sand, containing some clayey silt, frequent charcoal flecks a single piece of daub was recovered	7.5YR4/2
3134	backfill	526	firmly compacted silty sand flecked with rare pieces of charcoal, abutting bank F476, forms the earliest backfill of F526	2.5Y5/2
3135	layer	-	dark brown sandy silt with occasional concentrations of charcoal, evidence of animal teeth and bone recovered	7.5YR3/4
3136	make-up	525	make-up of F525, consisting of red sandstone flag stones, roughly rectangular slabs orientated N-S and placed side-by-side just north of the terrace wall a number of similar fragments of stone in filled the gap between the two	various
3137	layer	-	compact dark brown silt with inclusions of occasional pebbles gravel and flecks of charcoal	10YR3/2
3138	backfill	526	dark grey coarse sand with frequent fire-cracked pebbles, occasional inclusions of pebbles and charcoal, excavated within D1 and D2, where it appeared to respect the shoulder of F472	2.5Y5/3
3139	layer	-	compact light brown clayey silt with occasional fragments of bone, charcoal and rare coarse gravel	7.5YR5/3
3140	layer	476?	dark greyish-brown sandy silt with shells and shell fragments throughout, rare charcoal flecks and occasional gravel and pebbles	10YR4/2

Context	Identity	Feature	Description	Munsell
3141	spread	-	dark grey sand over a wider circular spread of pale sand measured 0.20m x 0.15m x 0.02m	2.5Y3/1
3142	spread	-	very small spread of mottled brown sand with rare charcoal flecks and patches of yellow sand and rare rounded gravel inclusions measured 0.12m x 0.18m x 0.04m	7.5YR3/3 10YR6/4
3143	spread	-	brown sand flanking the eastern edge of F301 and F455, shows some mottling from charcoal flecks, presence of dispersed buff sand	7.5YR3/1
3144	backfill	526	very dark grey sandy deposit, flecked throughout by charcoal, to the east the deposit is relatively shallow 0.05m becoming deeper to the west where more cobbles occur and the feature F526 appears to open out northwards	2.5Y3/1
3145	backfill	526	distinct red layer of silty sand, flecked throughout with charcoal and showed some red mineral staining, seen in section of Mod D2.	7.5YR2.5/3
3146	spread	-	mottled dark greyish-brown sandy silt identified in the east facing section of Mod D2	10YR4/2
3147	spread	-	spread of highly variable sand, mainly grey but mineral-stained and mottled with white sand with rare charcoal flecks	10YR5/1
3148	layer	-	mixed brown silty sand, flecked with mineral staining and patches of lighter sand	10YR4/3
3149	spread	-	mixed pale grey sand with darker grey mottling throughout, inclusions of very rare charcoal flecks	various
3150	layer	-	shell-rich layer of reddish-brown clayey silt, rare animal bone, fragments of waste flint	7.5YR4/6
3151	spread	-	rich, dark brown sandy silt marked by pockets of rubble and small cobbles and contains occasional vellum pebbles. Small deposit of winkles, rubble dumps of pink sandstone slab fragments and cobbles were noted	various
3152	dump	-	yellowish-brown clayey silt rare bone fragments, fire-cracked pebbles burnt shell	various
3153	make-up	434	very mixed deposit of brown sand with lenses and patches of grey sand and orangish-brown sand contained occasional fragments of slag and fairly frequent fragments of animal bone, occasional pebbles and cobbles	various
3154	spread	527	irregular spread of mottled brown sandy silt up to 0.40m in depth, well-defined against underlying clayey silts, frequent chips of sandstone were noted and rare pieces of animal bone recovered	10YR3/3
3155	dump	-	well-defined in plan, bright yellowish-brown clayey silt with lenses and a fringe of charcoal, a rounded pebble was recovered and rare fragments of animal bone were collected from sieving	2.5Y5/6
3156	recovery context	527	retained as a recovery context for finds retained during half-sectioning	-
3157	dump	-	mixed, orange clayey silt and charcoal spread	7.5YR5/6 10YR5/8
3158	spread	-	light yellowish-brown clayey silt with occasional mixed pebbles and rare charcoal flecks	10YR6/4
3159	dump	-	mixed orange clayey silt spread with occasional large fragments of animal bone and charcoal flecks	various

Context	Identity	Feature	Description	Munsell
3160	backfill	472	compact very dark greyish-brown silty sand with occasional fragments of degraded sandstone and occasional charcoal	10YR3/2
3161	dump	476	shallow very dark grey sandy silt with charcoal fragments throughout decayed sandstone, shell fragments and a few crumbs of cinder at the base	5Y3/1
3162	dump	476	thin spread of sand abutting stone make-up of F470 and sloping downwards to south, contained rare fragments of shell, charcoal, bone and mixed pebbles	10YR3/3
3163	spread	-	irregular spread of clayey sand over 2.0m x 1.5m in plan and up to 0.20m in depth, areas of red mineral staining, lenses of charcoal and flecks of red sandstone noted throughout	various
3164	deposit	471	mix of grey silt, brown sandy silt and charcoal	various
3165	layer	476?	greyish-brown sandy silt with charcoal crumbs throughout	2.5YR5/2
3166	spread	471	brown silty sand with occasional mixed gravel and rare charcoal flecks	10YR3/1
3167	tip	471	very dark grey, shell-rich tip of sandy silt with occasional flecks of charcoal	10YR3/1
3168	dump	-	irregular spread of charcoal firmly compacted within an ephemeral matrix of very dark red silt clods of heat-hardened clay were noted and occasional stones, burnt and unburnt animal bone recovered	10YR2.5/1
3169	layer	-	highly mixed layer of very dark greyish-brown sandy silt and clayey silt occasional flecks of charcoal and rare animal bone	various
3170	dump	-	mottled dark brown silty sand with rubble content consisting of cracked pebbles and fragments of pink sandstone slabs, vellum pebble recovered, measured 0.65m x 0.33m x 0.10m	7.5YR2.5/2
3171	dump	-	small dump of ash, grey in colour, flecked throughout with white and black charcoal	2.5Y4/1
3172	layer	-	yellowish-brown mottled clayey silt with inclusions of ginger sand and charcoal	10YR5/6 10YR6/6
3173	dump	471	yellowish-brown clayey silt with rare flecks of charcoal and burnt animal bone	10YR5/8
3174	spread	-	irregular spread of yellowish-brown sand, slight mineral staining with rare flecks of charcoal and gravel	10YR6/3
3175	backfill	528	fine, dark grey sticky silt with occasional bands of sandier matrix and black greasy fine silt throughout, notable tip of crushed degraded shell on the eastern shoulder, inclusions of frequent angular fire-cracked and rounded pebbles, occasional animal bone and a fragmentary knife-blade	10YR3/2 10YR2/1
3176	dump	475	bone-rich deposit of ashy clayey silt with occasional flecks of charcoal	7.5YR5/6
3177	layer	-	irregular deposit of clean dark brown sandy silt, lack of inclusions and very firm compaction, fragments of slag, two nails, two vellum pebbles and a small flint fragment	10YR3/3
3178	dump (make-up)	476	homogenous, mid-greyish-brown silty sand with rare small charcoal flecks occasional winkles, animal bone, gravel and cobbles, abutting stone feature F476	10YR3/2

Context	Identity	Feature	Description	Munsell
3179	spread	-	dark yellowish-brown thin spread of sand situated on the western shoulder created by slumping into F527, 0.04m in depth	10YR4/4
3180	dump	-	irregular deposit of sandy silt dark reddish-brown in colour, surrounded a series of red sandstone blocks	7.5YR3/3
3181	lens	-	yellowish-grey lens of sand	various
3182	dump	471	yellowish-brown clayey silt with occasional charcoal flecks	10YR5/8
3183	deposit	-	dark grey, charcoal-rich silt with rare mixed gravel	10YR4/1
3184	layer	-	dark grey silty sand, mineral stained, reddish in colour with orange lenses suggestive of turf	10YR3/1
3185	dump	-	light yellow sand	7.5YR5/3
3186	layer	-	brown sandy silt	10YR3/2
3187	layer	-	greyish-brown clayey silt, rare flecks of charcoal and occasional mixed pebbles	various
3188	layer	-	mid-grey silt with frequent lenses of pale greyish-yellow and reddish-brown clayey silt, inclusions of frequent fire-cracked pebbles, rare charcoal and animal bone	various
3189	dump	471	charcoal-rich, brown silty sand, with a lens of charcoal	
3190	layer	529	fine dirty clayey silt comprising compact lenses of dirty yellow graduating into a cleaner orange silt marbled throughout with wisps of brown sand turf flecked with charcoal and shell	various
3191	layer	471	very pale brown sand with occasional patches of clayey silt, frequent lenses of iron panning and rare flecks of charcoal	various
3192	dump	-	irregular shaped deposit of ash, well defined in plan, up to 0.10m comprised a mottled white, black, grey dump	various
3193	backfill	527	distinct backfill of F527, firmly compacted greyish-brown sandy silt flecked with charcoal and sandstone and separated from underlying deposits by a lens of burnt sandstone and turf clods	10YR3/2
3194	backfill	527	firmly compacted brown silt flecked throughout with charcoal decayed sandstone and clods of yellow and orange clay silt	10YR3/1
3195	backfill	527	irregular deposit of sandy silt pinkish-red in colour caused by a large quantity of decayed sandstone within it, flecks of charcoal were noted throughout with occasional gravel inclusions	5YR4/6
3196	dump	495	brown silt mottled with black charcoal and pale grey ashy clayey silt with inclusions of fragments of decayed sandstone, measured 0.32m x 0.18m x 0.06m	various
3197	fill	529	highly mottled, very dark brown clayey silt mottled with flecks of charcoal, strong brown, pale yellow and flecks of pink decayed sandstone	10YR2/1
3198	backfill	529	mottled brown sandy silt flanking the northern edge of hearth F495, flecked with charcoal, shell-ash and strong brown silt	various
3199	layer	471	dark yellowish-brown clayey silt with occasional charcoal flecks and rounded pebbles	various
3200	backfill	527	firmly compacted sand mainly greyish-brown but streaked with lenses of lighter material with rare flecks of charcoal and occasional fragments of animal bone and large number of stones tipping into the feature	10YR5/2

Context	Identity	Feature	Description	Munsell
3201	dump	-	spread of charcoal-rich very dark grey clayey silt and occasional lenses of lighter clayey silt	10YR3/1
3202	layer	475	mixed yellowish-brown clayey silt with a spread of crushed shell and occasional charcoal flecks	10YR3/6
3203	fill	529	bright, pale yellow clayey silt with occasional flecks of charcoal and patches of burnt orange clayey silt on northern shoulder of F529	various
3204	spread	-	mottled dark yellowish-grey clayey silt spread, structure appeared on excavation to be firm and platy, truncated to the north and the west by road side ditch F472	10YR4/1
3205	fill	529	very bright, clean, burnt yellowish-orange fine clayey silt inclusions of rare decayed pink sandstone fragments	various
3206	road surface	469	reddish-brown clayey silt with darker redd patches of decayed sandstone, burrowed	5YR5/3
3207	road surface	469	reddish-brown clayey silt	5YR6/7
3208	road surface	469	dark reddish-brown clayey silt associated with thin slabs of decayed sandstone	5YR3/3
3209	road surface	469	beige clayey silt with fine charcoal flecks throughout	7.5YR6/3
3210	road surface	469	light greyish-brown with charcoal flecks and fine shell fragments	2.5Y 4/2
3211	road surface	469	reddish-brown clayey silt containing patches of decayed sandstone, disturbed by burrows	5YR5/3
3212	make-up	529	burnt, pink sandstone fragments, consisted of approximately ten fragments of angular sandstone appearing to be disordered and showing signs of heat exposure	various
3213	dump	-	mixed dark greyish-brown clayey silts and stone rubble, occasional charcoal flecks and fragments of animal bone	various
3214	layer	-	firmly compacted greyish brown sandy silt	10YR3/2
3215	lining	527	wet preserved wood revealed following excavation of backfills, the material was fragmentary with the largest piece measuring 0.40m x 0.10m, occasional larger fragments may have represented stakes, deposit it not appear to lie <i>in situ</i> , no clear structure could be defined	10YR2/2
3216	dump	-	stone rubble within a clayey silt matrix, represents a dump of ash, animal bone and charcoal refuse into the wet ditch	various
3217	layer	-	very dark grey silty sand with rare charcoal flecks	10YR3/1
3218	layer	-	yellowish-brown clayey silt with occasional flecks of charcoal and rounded gravel	various
3219	dump	-	mixed deposit of bone-rich brown sandy silt and clayey silt	10YR5/3
3220	road surface	469	brown clayey silt extensively burrowed	7.5YR4/4
3221	road surface	469	dump of brown clayey silt, burrowed extensively	7.5YR5/3
3222	road surface	469	very dark brown silt with lighter brown patches throughout extending across the roadway	various
3223	road surface	469	brown clayey silt underlying stone slab on road surface	7.5YR5/4
3224	dump	-	wet, charcoal rich ashey clayey silt, appeared mixed in plan, with rare flecks of decayed shell and charcoal, occasional rounded pebbles, represents an episode of dumping into water logged ditch	various

Context	Identity	Feature	Description	Munsell
3225	fill	529	slightly clayey mid rich brown sandy silt with speckling patching and rare lenses of lighter brown and pale yellow clayey silt and very dark brown sandy silt, occasional fragments of burnt animal bone and decayed pink sandstone	various
3226	layer	-	yellowish brown clayey silt with inclusions of charcoal	10YR3/2
3227	backfill	530	grey sandy silt with occasional animal bone fragments and charcoal flecks, the stones were concentrated at the base above the sandstone make-up of the lined pit	various
3228	make-up	530	make-up of sandstone slabs which had been placed in the base of pit F530 surrounded by vertically placed stone slabs. It was semi-circular in plan but may be assumed to continue under the baulk	various
3229	layer	-	greyish-brown silty sand with inclusions of yellow clayey silt and flecks of charcoal	various
3230	fill	529	grey shell ash with white shell and black charcoal flecks, forms a small sub rectangular deposit	10YR5/1
3231	spread	529	pale yellow clayey silt with charcoal flecks	10YR6/4
3232	fill	429	dirty, mixed, burnt, orange clayey silt with charcoal marbling, represents mixed early primary hearth fills intermingled with some brown turf sandy silt	various
3233	buried soil	-	rich, brown clean silky sandy silt containing rare gravel and degraded animal bone, interface was clear blended with underlying subsoil, this deposit had been heavily truncated by later features	10YR3/2
3234	fill	529	dirty yellow clayey silt with frequent charcoal flecks and patches throughout	10YR5/6
3235	fill	529	lens of soft turf charcoal	10YR3/2
3236	dump	471	dark yellowish-brown clayey silt with rare charcoal flecks	10YR4/4
3237	hearth lining	529	mid-brown mottled silty sand, turf derived and acting as a turf lining. Inclusions of charcoal flecks, small fragments of pink decayed sandstone, wisps of buff sand and a single small sandstone slab	10YR3/1 10YR6/2
3238	layer	-	compact bright reddish-orange clayey silt, platy in structure, veined with brown silt	various
3239	weathered subsoil	-	greyish-brown sand with frequent gravel and pebbles throughout, 0.10m in depth	10YR4/2
3240	deposit	471	brown sandy layer occupying part of the western shoulder of F471 with inclusions of charcoal flecks	various
3241	layer	471	grey silty sand with rare charcoal flecks	10YR3/1
3242	make-up	531	group of large irregular sandstone boulders set to form the make-up of working stance	various
3243	backfill	532	very gritty and gravel-rich brown sandy backfill, very mixed and dirty, containing flecks of charcoal and small patches of yellow redeposited subsoil and small patches of very dark greyish-brown sand	various
3244	packing stone	499	two angled stones leaning against the southern edge of F499, rectangular in shape with rounded edges and a smaller triangular piece	various
3245	deposit	471	greyish-brown deposit with frequent fragments of bone	various

Context	Identity	Feature	Description	Munsell
3246	deposit	471	dark reddish-brown possible decayed timber, lining base and sides of F471	7.5YR7/6
3247	layer	-	buff sand matrix, burrowed and stained in areas with occasional inclusions of animal bone and charcoal	various
3248	backfill	532	very dark sterile grey sand	10YR3/1
3249	backfill	532	mixed deposit of yellow subsoil with patches of brown and grey sand, fairly high content of rounded gravel	various
3250	backfill	532	silvery grey sand with burnt turf flecking concentrated towards the centre of posthole F532	various
3251	layer	-	greyish-brown silty sand with sand patches and inclusions of charcoal flecks and a few pebbles	various
3252	layer	529	very dark grey almost black sandy silt with widely dispersed buff granules giving a silvery appearance, possibly represents burnt turf	various
3253	layer	529	very mottled brown sand with patches of redeposited subsoil mottling of lighter and darker brown backfills, occasional rounded and angular small sandstone fragments, gravel, pebbles and charcoal flecks	various
3254	make-up	533	make-up of large stones set into silt on the edges so large flat sides face inwards, possibly used to direct water	various
3255	backfill	534	allocated to latest backfill of ditch, not yet excavated	-
3256	fill	535	allocated to latest fill of hearth, not yet excavated	-
3257	lining	471	stone lining of F471 at northern most point consisting of several tipped sandstone slabs measuring < 0.50m	various
3258	backfill	536	fine, friable, slightly silty dark greyish-brown sand containing inclusions of rounded gravel and pebbles, fragments of sandstone and rare charcoal flecks	10YR4/1
3259	backfill	537	angular sandstone fragments within a greyish-brown sand backfill measured 0.36m wide 0.33m in depth	10YR4/1
3260	backfill	537	densely clustered white winkles and limpet shells in a greyish-brown sand matrix, measured 0.16m wide, 0.11m in depth	10YR4/1
3261	backfill	537	very sterile homogenous brownish-yellow sand with very rare tiny specks of charcoal and rare rounded gravel, measured 0.36m wide and 0.25m in depth	10YR5/4
3262	backfill	538	flat sandstone basal slab overlain by a fine friable greyish-brown sand matrix with rare charcoal flecks with large inclusions of angular sandstone fragments ordered as a lens at the base of the matrix and over the base stone	10YR4/1
3263	layer	-	yellowish-brown friable sand with frequent gravel and pebble inclusions and rare small charcoal flecks. Also contained rare fire-cracked larger pebbles and occasional fragments of angular sandstone	10YR6/4
3264	layer	-	charcoal flecked silty sand containing rare gravel and small pebbles	10YR4/2
3265	layer	-	pale yellowish-grey clayey silt with frequent inclusions of charcoal flecks and larger charcoal fragments	2.5Y5/2

Context	Identity	Feature	Description	Munsell
3266	layer	-	pale pinkish-buff sand with occasional disturbed lenses of pale creamy clayey silt with charcoal flecks. The sand included rare rounded gravel and rare charcoal flecks. Formed a lens beginning very thinly at the north extent and becoming a much thicker lens to the north	10YR5/3
3267	layer	-	orangish-brown sand containing occasional rounded gravel and small pebble inclusions and rare charcoal flecks	10YR4/2
3268	layer	-	bright orangish-brown clayey silt forming a lens 0.01m thick, seen in section	10YR5/8
3269	layer	-	friable greyish-brown (turf-like) sandy silt with rare charcoal flecks measured 0.93m wide and 0.07m thick	10YR3/2
3270	layer	-	very mixed deposit of dark greyish-brown sandy silt with occasional charcoal flecks and charcoal staining mixed throughout with patches of bright orangey brown fairly clean clayey silt. Contained a couple of horizontal angular fragments of sandstone. Charcoal and clayey silts appeared concentrated towards the top of the deposit.	various
3271	backfill	534	friable greyish-brown clayey silt heavily speckled with frequent charcoal flecks, rare small gravel and rare smears of clean creamy clayey silt, allocated to the final backfill of a ne-sw aligned ditch.	various
3272	backfill	534	sterile fine buff sand backfill, possibly wind blown accumulation within ne-sw aligned ditch	10YR8/3
3273	backfill	534	very thin lens of greyish-brown silty sand with occasional flecks mixed throughout with individual grains of fine buff sand giving it a slightly silvery appearance	10YR3/1 10YR8/3
3274	backfill	534	dirty mixed deposit of buff sand with rare charcoal flecks	10YR5/3
3275	layer	-	crushed mussel and limpet shells in greyish-brown sand matrix	10YR4/1
3276	layer	-	friable greyish-brown sand layer with no inclusions	10YR4/2
3277	layer	539	crushed mussel shell at the top of shell midden feature, whitish-blue colour throughout	-
3278	layer	539	complete winkle shells with rare limpet shells interspersed, dirty creamy colour, part of shell midden feature	10YR7/2
3279	layer	539	small lens of pale greyish-brown sand within shell midden feature	-
3280	layer	539	crushed muscle shell includes rare inclusions of winkle and limpet shells, layer has a white with bluish tinge	-
3281	layer	-	very mixed brown sand defined form layer below by a bright orange fringe, possibly from turf, capped with black thin burnt turf line. Contained small lens of crushed muscle shells, occasional gravel and occasional decayed sandstone and rare charcoal flecks	10YR4/3
3282	dump	-	angular yellow sandstone pieces and pink sandstone slabs, includes one possible fragment of sculpture. Stone is within a greyish-brown sand matrix with occasional charcoal flecks and rare flecks of iron pan staining	various
3283	backfill	540	greyish-brown sand with occasional charcoal flecks rounded gravel and rare angular stone inclusions. The northern uppermost extent comprised a considerably more gingery silty sand	10YR3/2 10YR4/4 10YR5/4

SUMMARY OF FEATURE RECORDS

Feature	Identity	Contexts	Description	Profile
476*	bank	2514	stone bank made of large slabs, tilted deliberately using smaller stones situated under their western edges	irregular
518	posthole	3006, 3004	posthole, well defined in plan, could be seen to contain a possible post-ghost surrounded by burnt clayey silt with ordered charred timber to the west. The feature appeared to contain a construction cut backfill and a post void backfill created following the removal of post C3004	u-shaped
519	culvert	3045, 3111, 3090, 3078, 3064, 3069, 3070	westernmost length of a large negative stone culvert excavated in int 26 during TR98 (F19). Feature first appeared as a butt-ending arrangement of sandstone slabs partially visible beneath a deposit of yellow sand, upon removal the feature's lid appeared and was present as large sandstone slabs which had partially collapsed and was packed with occasional large cobbles	irregular
520	pebbled surface	3060	close packed spread of small cobbles 1.50m x 1.00m. To the west the spread terminates abruptly to two edge set slabs of red sandstone, truncated by later F52. To the east the spread terminated abruptly, but with no evidence of kerb stones	not seen
521	posthole	3081	oval in plan, with near-vertical sides and a flat base. 0.30m x 0.35m x 0.05m	u-shaped
522	stone surface	3071	group of level squarish flat sandstone slabs, further stones revealed in a linear alignment orientated NE-SW where it is truncated by F13, comprised a number of large flat stones set fairly level with overall feature gently sloping down to the southwest	not seen
523	posthole	3102, 3101, 3100, 3098	sub-circular in plan, on excavation was found to contain a single large pitched packing stone against the northern edge, with near-vertical edges and a slightly scooped base	u-shaped
524	posthole	3110, 3107	sub-circular in plan with gradual sloping edges to a flat base, backfilled with C3107 and contains packing stones C3110	u-shaped
525	stone surface	3136	ordered setting of sandstone slabs identified in the southeast corner of Mod D3, the feature comprised two roughly rectangular slabs orientated N-S and placed side-by-side, a number of similar fragments of stone in-filled the gap between the two	irregular
526	gully	3138, 3144, 3134	identified as a steep sided cut running west-east, the feature was well defined against the layers of natural sand and a black 'skin' overlying them, the edge showed some irregularity as though it had frequently collapsed	u-shaped
527	pit	3215, 3194, 3193, 3192, 3195, 3139, 3154, 3168	large pit measuring 2.30m in diameter, removal of backfills revealed a wood lining at which point excavation ceased in 2006, a kerb appears to flank the eastern edge of feature	irregular
528	pit	3175	steep-sided pit with a poorly defined concave base, well-defined in plan, excavated dimensions 1.0m x 0.60m	u-shaped

Feature	Identity	Contexts	Description	Profile
529	hearth	3190, 3212, 3252, 3253, 3197, 3198, 3203, 3205, 3225, 3230, 3231, 3232, 3234, 3235, 3253	identified as an earlier phase of central hearth in S9. The hearth contained a fill system of bright burnt silts, charcoal-flecked sandy silts and shoulders of silty sand turf. The cut for the fire pit was fairly steep-sided, once sub-rectangular with a flat base	u-shaped
530	stone-lined pit	3227, 3228	consisted of a sandstone slab platform surrounded by vertically standing slabs some of which have been displaced. The gaps between the stones have been 'plugged' by smaller stones. It has a shallow slope towards the east where it joins with F472 via F526	-
531	stone platform	3242	stone setting consisting of several large flat sandstone boulders within the confines of S9	irregular
532	posthole	3243, 3248, 3249, 3250	ovoid in plan, this pit had steep near vertical concave sides falling to an almost v shaped base, backfilled in four episodes	v-shaped
533	stone dam	3254	linear arrangement of large stones set into the underlying silts with their angle set purposely to prevent and guide the flow of water . Large vertically set slabs were also arranged to line the dam	
534	ditch	3255	linear ditch, not yet excavated	not yet seen
535	hearth	3256	stone-lined hearth, not yet excavated	not yet seen
536	posthole	3258	narrow thin posthole with near vertical edges with a rounded concave base, backfilled by a single deposit. Measures 0.18m wide and 0.40m deep	u-shaped
537	pit	3259, 3260, 3261	small pit with vertical sides and a flat base, appears to have been recut with a narrower profile, measured 0.36m wide 0.50m deep	rectangular
538	stone-lined pit	3262	small stone-lined pit, comprised a fairly rectangular cut, wider at the top with steep near vertical straight sides falling to a near flat base. The pit had a flat sandstone base backfilled with large stones in a sand matrix	u-shaped
539	shell midden	3276, 3277, 3278, 3279, 3280	series of layered dumps of shell forming a midden 0.11m at its maximum thickness	-
540	rubbish pit	3283,	u-shaped pit with near vertical sides, widening and shallowing in slope near the top	not seen

APPENDIX C DRAWING INDEX

Drawing No.	Format	Scale	Type	Module	Description (Context / Feature / Structure / Find No.)
1721	A1P	1:10	P	A2	F516, F517 pre excavation plan
1722	A1L	1:10	P	D2/3	C2677 pre excavation plan
1723	A1P	1:10	P	D1	C3144 pre excavation plan
1724	A1P	1:10	P	D2	C2527 pre excavation plan
1725	A1L	1:10	P	D2	C3138 pre excavation plan
1726	A1L	1:10	H	D1	F526 post excavation hachure plan
1727	A1L	1:10	H	D1	F472 post excavation hachure plan
1728	A1P	1:10	P	D2	C3116 pre excavation plan
1729	A1L	1:10	P	B0	C3151 pre excavation plan
1730	A1P	1:10	P	D2	C3029 pre excavation plan
1731	A1P	1:10	P	D2	C2337 pre excavation plan
1732	A1L	1:10	P	A5	F522, C3071 pre excavation plan
1733	A1P	1:10	P	D2/3	C3042 pre excavation plan
1734	A1P	1:10	P	A5	C3043 pre excavation plan
1735	A1P	1:10	P	B6	F469 pre excavation plan
1736	A1P	1:10	P	D1	C3145 pre excavation plan
1737	A1P	1:10	P	D3	F527 C3193 pre excavation plan
1738	A1L	1:10	P	B0	F434 C3153 pre excavation plan
1739	A1L	1:10	P	D1	F476 C2514 pre excavation plan
1740	A1P	1:10	S	D3	Module D3 west facing section
1741	A1P	1:10	S	D3	Module D3 south facing section
1742	A1P	1:10	P	A7	C3239 pre excavation plan
1743	A1P	1:10	P	D1	F472 C3129 pre excavation plan
1744	A1P	1:10	P	D2	C3178 pre excavation plan
1745	A1P	1:10	P	A7	C3233 pre excavation plan
1746	A1P	1:10	P	B2	F419 C3010, C3011 pre excavation plan
1747	A1P	1:10	P	C4/B6	C3220-C3223 pre excavation plan
1748	A1P	1:10	P	D3	C3083 pre excavation plan
1749	A1P	1:10	P	D2/3	F476 C3047 pre excavation plan
1750	A1P	1:10	P	D2	C2335 pre excavation plan
1751	A1P	1:10	P	B5	stone features beneath baulk module B5
1752	A1P	1:10	P	B3	F519 C3111 pre excavation plan
1753	A1P	1:10	P	B3	F519 C3028 pre excavation plan
1754	A1P	1:10	P	B3	F519 C3028 pre excavation plan
1755	A1L	1:10	S	B7	Module B7
1756	A4P	1:10	P	A5	C3061 pre excavation plan
1757	A4P	1:10	P	A5	C3073 pre excavation plan
1758	A4P	1:10	P	A5	C3071 pre excavation plan
1759	A4P	1:10	P	A5	C3077 pre excavation plan
1760	A4L	1:10	P	A5	C3032, C3033 pre excavation plan
1761	A4P	1:10	P	A5	C3035 pre excavation plan

Drawing No.	Format	Scale	Type	Module	Description (Context / Feature / Structure / Find No.)
1762	A4L	1:10	P	A5	C3032 pre excavation plan
1763	A4P	1:10	P	A5	C3002 pre excavation plan
1764	A4L	1:10	P	A5	C3007 pre excavation plan
1765	A4P	1:10	P	A5	C3018 pre excavation plan
1766	A4P	1:10	P	A5	C3020 pre excavation plan
1767	A4L	1:10	P	A5	C3021 pre excavation plan
1768	A4P	1:10	P	A5	C2993 pre excavation plan
1769	A4P	1:10	P	A5	C2995 pre excavation plan
1770	A4P	1:10	P	A5	C2997 pre excavation plan
1771	A4P	1:10	P	A5	C2999 pre excavation plan
1772	A4L	1:10	P	A5	C3060 pre excavation plan
1773	A4L	1:10	P	A5	C3067 pre excavation plan
1774	A4L	1:10	P	A5	C3068 pre excavation plan
1775	A4P	1:10	P	A5	C3093 pre excavation plan
1776	A4P	1:10	P	B1	C3104 pre excavation plan
1778	A4P	1:10	P	A5	C3092 pre excavation plan
1777	A4P	1:10	P	A5	F521 C3081 pre excavation plan
1778	A4P	1:10	R	A5	F521 south facing profile
1779	A4P	1:10	H	A5	F521 post excavation hachure plan
1780	A4L	1:10	S	B0	F512 C2955, C2957 east facing section
1781	A4P	1:10	P	B0	F512 C2955 pre excavation plan
1782	A4P	1:10	P	B0	F512 C3019 pre excavation plan
1783	A4P	1:10	P	B0	F512 C3022 pre excavation plan
1784	A4P	1:10	P	B0	C3024 (F512)pre excavation plan
1785	A4P	1:10	P	B0	large stone sat on C3119
1786	A4P	1:10	P	B0	C3119 pre excavation plan
1787	A4P	1:10	P	B0	C3120 pre excavation plan
1788	A4P	1:10	P	B0	C3124 pre excavation plan
1789	A4L	1:10	P	B0	C2950 pre excavation plan
1790	A4L	1:10	P	B0	C2950 pre excavation plan
1791	A4P	1:10	H	B1	F518 post excavation hachure plan
1792	A4P	1:10	P	B1	F518 pre excavation plan
1793	A4P	1:10	P	B1	F523 C3098 pre excavation plan
1794	A4P	1:10	S	B1	F523 C3098, C3100-2 east facing section
1795	A4P	1:10	P	B1	F523 C3102 pre excavation plan
1796	A4P	1:10	H	B1	F523 post excavation hachure plan
1797	A4P	1:10	S	B3	F519 east facing section
1798	A4P	1:10	P	B3	F519 C3014 pre excavation plan
1799	A4P	1:10	P	B3	C3017 pre excavation plan
1800	A4P	1:10	P	C3	C2989 pre excavation plan
1801	A4P	1:10	P	C3	C2990 pre excavation plan
1802	A4P	1:10	P	C3	C2991 pre excavation plan
1803	A4P	1:10	P	C3	C2994 pre excavation plan

Drawing No.	Format	Scale	Type	Module	Description (Context / Feature / Structure / Find No.)
1804	A4L	1:10	P	C3	C2998 pre excavation plan
1805	A4P	1:10	P	C3	C3001 pre excavation plan
1806	A4P	1:10	P	C3	C3005 pre excavation plan
1807	A4P	1:10	P	C3	C3012 pre excavation plan
1808	A4P	1:10	P	C3	C3013 pre excavation plan
1809	A4P	1:10	P	C3	C3015 pre excavation plan
1810	A4P	1:10	P	C3	C3016 pre excavation plan
1811	A4P	1:10	P	C3	C3023 pre excavation plan
1812	A4P	1:10	P	C3	C3025 pre excavation plan
1813	A4P	1:10	P	C3	C3026 pre excavation plan
1814	A4P	1:10	P	C3	C3027 pre excavation plan
1815	A4P	1:10	P	C3	C3030 pre excavation plan
1816	A4P	1:10	P	C3	C3036 pre excavation plan
1817	A4P	1:10	P	C3	C3037 pre excavation plan
1818	A4P	1:10	P	C3	C3039 pre excavation plan
1819	A4P	1:10	P	C3	C3040 pre excavation plan
1820	A4P	1:10	P	C3	C3046 pre excavation plan
1821	A4P	1:10	P	C3	C3048 pre excavation plan
1822	A4P	1:10	P	C3	C3049 pre excavation plan
1823	A4P	1:10	P	C3	C3050 pre excavation plan
1824	A4P	1:10	P	C3	C3054 pre excavation plan
1825	A4P	1:10	P	C3	C3058 pre excavation plan
1826	A4P	1:10	P	C3	C3063 pre excavation plan
1827	A4P	1:10	P	C3	C3066 pre excavation plan
1828	A4P	1:10	P	C3	C3072 pre excavation plan
1829	A4P	1:10	P	C3	C3074 pre excavation plan
1830	A4P	1:10	P	C3	C3075 pre excavation plan
1831	A4P	1:10	P	C3	C3076 pre excavation plan
1832	A4P	1:10	P	C3	C3079 pre excavation plan
1833	A4P	1:10	P	C3	C3080 pre excavation plan
1834	A4P	1:10	P	C3	C3082 pre excavation plan
1835	A4P	1:10	P	C3	C3084 pre excavation plan
1836	A4P	1:10	P	C3	C3085 pre excavation plan
1837	A4P	1:10	P	C3	C3087 pre excavation plan
1838	A4P	1:10	P	C3	C3089 pre excavation plan
1839	A4P	1:10	P	C3	C3091 pre excavation plan
1840	A4P	1:10	P	C3	C3094 pre excavation plan
1841	A4P	1:10	P	C3	C3086 pre excavation plan (revised)
1842	A4P	1:10	P	C3	C3086 pre excavation plan (original)
1843	A4P	1:10	P	C3	C3095 pre excavation plan
1844	A4P	1:10	P	C3	C3096 pre excavation plan
1845	A4P	1:10	P	C3	C3099 pre excavation plan
1846	A4P	1:10	P	C3	C3103 pre excavation plan

Drawing No.	Format	Scale	Type	Module	Description (Context / Feature / Structure / Find No.)
1847	A4P	1:10	P	C3	C3097 pre excavation plan (1 of 2)
1848	A4P	1:10	P	C3	C3097 pre excavation plan (2 of 2)
1849	A4P	1:10	P	C3	C3106 pre excavation plan
1850	A4P	1:10	P	C3	C3109 pre excavation plan
1851	A4P	1:10	P	C3	C3128 pre excavation plan
1852	A4P	1:10	P	C3	C3131 pre excavation plan
1853	A4P	1:10	P	C3	C3112 pre excavation plan
1854	A4P	1:10	P	C3	C3132 pre excavation plan
1855	A4L	1:10	S	D1/2	Mod D1/2 west facing section
1856	A4P	1:10	P	D1	F472 C2519 pre excavation plan continued
1857	A4P	1:10	P	D1	F470 C2503 C2506 pre excavation plan
1858	A4P	1:10	H	D1/2 B7/6	F470 post excavation hachure plan
1859	A4P	1:10	P	D2	F473 C3029 pre excavation plan
1860	A4P	1:10	P	D2	F473 C2513 pre excavation plan
1861	A4P	1:10	P	D2	C3041 pre excavation plan
1862	A4P	1:10	P	D2	C2795 pre excavation plan
1863	A4P	1:10	P	D2	C2477 pre excavation plan
1864	A4P	1:10	P	D2	C2996 pre excavation plan
1865	A4P	1:10	P	D2	C2117 pre excavation plan
1866	A4L	1:10	P	D2	C3031 (rubble) pre excavation plan
1867	A4L	1:10	P	D-	C3031 (continued) pre excavation plan
1868	A4P	1:10	P	D2	C2476 pre excavation plan
1869	A4P	1:10	P	D2	C2477 pre excavation plan
1870	A4P	1:10	P	D2	C2335 - cattle metapodials pre excavation plan
1871	A4P	1:10	P	D2	C3113 pre excavation plan
1872	A4P	1:10	P	D2	F524 C3107 pre excavation plan
1873	A4P	1:10	S	D2	F524 C3107 C3110 north facing section
1874	A4P	1:10	P	D2	F524 C3110 pre excavation plan
1875	A4P	1:10	H	D2	F524 post excavation hachure plan
1876	A4P	1:10	P	D2	C2971 pre excavation plan
1877	A4L	1:10	P	D2	C3065 pre excavation plan
1878	A4P	1:10	P	D2	C3038 pre excavation plan
1879	A4P	1:10	P	D2	C3052 pre excavation plan
1880	A4P	1:10	P	D2	F476 C3062 pre excavation plan
1881	A4P	1:10	P	D2	F476 C3058 pre excavation plan
1882	A4P	1:10	P	D2	C3127 pre excavation plan
1883	A4P	1:10	P	D2	C3133 pre excavation plan
1884	A4P	1:10	P	D2	C3123 pre excavation plan
1885	A4P	1:10	P	D2	C3125 pre excavation plan
1886	A4P	1:10	P	D2/1	C3130 pre excavation plan
1887	A4P	1:10	P	D2	F476 C3161 pre excavation plan
1888	A4P	1:10	P	D2	F476 C3162 pre excavation plan
1889	A4P	1:10	H	D3	F527 post excavation hachure plan



Drawing No.	Format	Scale	Type	Module	Description (Context / Feature / Structure / Find No.)
1890	A4P	1:10	P	D3	C3215 pre excavation plan
1891	A4P	1:10	P	D2/3	C2814 pre excavation plan
1892	A4P	1:10	P	D3	C3117 pre excavation plan
1893	A4P	1:10	P	D2	C3154 pre excavation plan
1894	A4P	1:10	P	D3	C3155 pre excavation plan
1895	A4P	1:10	P	D2	C3163 pre excavation plan
1896	A4P	1:10	P	D3	C3168 pre excavation plan
1897	A4P	1:10	P	D3	C3171 pre excavation plan
1898	A4P	1:10	P	D3	C3174 pre excavation plan
1899	A4P	1:10	P	D3	C3177 pre excavation plan
1900	A4P	1:10	P	D3	C3180 pre excavation plan
1901	A4P	1:10	P	D3	C3185 pre excavation plan
1902	A4L	1:10	P	D3	F525 C3136 pre excavation plan
1903	A4P	1:10	H	B0	F529 post excavation hachure plan
1904	A4P	1:10	P	B0	F529 C3139 pre excavation plan
1905	A4P	1:10	P	B0	F529 C3197 pre excavation plan
1906	A4P	1:10	P	B0	F529 C3198 pre excavation plan
1907	A4P	1:10	P	B0	F529 C3203 pre excavation plan
1908	A4P	1:10	P	B0	F529 C3212 pre excavation plan
1909	A4P	1:10	P	B0	F529 C3205 pre excavation plan
1910	A4P	1:10	P	B0	F529 C3225 pre excavation plan
1911	A4P	1:10	P	B0	F529 C3230 pre excavation plan
1912	A4P	1:10	P	B0	F529 C3231 pre excavation plan
1913	A4P	1:10	P	B0	F529 C3232 pre excavation plan
1914	A4P	1:10	P	B0	F529 C3234 pre excavation plan
1915	A4P	1:10	P	B0	F529 C3235 pre excavation plan
1916	A4P	1:10	P	B0	F529 C3237 pre excavation plan
1917	A4P	1:10	P	B0	F529 C3252 C3253 pre excavation plan
1918	A4P	1:10	P	B0	F495 C2797 pre excavation plan
1919	A4P	1:10	P	B0	F495 C3196 pre excavation plan
1920	A4P	1:10	P	B0	F499 C3244 pre excavation plan
1921	A4P	1:10	S	B0	F532 west facing section
1922	A4P	1:10	P	B0	F532 C3243 pre excavation plan
1923	A4P	1:10	H	B0	F532 post excavation hachure plan
1924	A4P	1:10	P	D2	F476 C3044 pre excavation plan
1925	A4P	1:10	P	D2	F476 C3057 pre excavation plan
1926	A4P	1:10	P	D2	F476 C3052 pre excavation plan
1927	A4P	1:10	P	D2	F476 C3053 pre excavation plan
1928	A4P	1:10	P	D2	F476 C3056 pre excavation plan
1929	A4L	1:10	P	D3	C3105 pre excavation plan
1930	A4P	1:10	P	A7	C3238 pre excavation plan
1931	A4P	1:10	P	D2	C2491 pre excavation plan
1932	A4P	1:10	P	D2	C3115 pre excavation plan

Drawing No.	Format	Scale	Type	Module	Description (Context / Feature / Structure / Find No.)
1933	A4P	1:10	P	B6 D1/2	C3204 pre excavation plan
1934	A4P	1:10	P	B6/D1	C3146 pre excavation plan
1935	A4P	1:10	P	D1	C3188 pre excavation plan
1936	A4P	1:10	P	B5	C3246 (stones in gully)pre excavation plan
1937	A4P	1:10	P	B5	F471 C3246 pre excavation plan
1938	A4P	1:10	P	D3	C3179 pre excavation plan
1939	A4P	1:10	P	D3	C3180 pre excavation plan
1940	A4L	1:10	P	D2	C3139 pre excavation plan
1941	A4L	1:10	P	D3	C3137 pre excavation plan
1942	A4P	1:10	P	D3	C3042 pre excavation plan
1943	A4P	1:10	P	A5	C3034 pre excavation plan
1944	A4P	1:10	P	D3	C3135 pre excavation plan
1945	A4P	1:10	P	D3	C3126 pre excavation plan
1946	A4P	1:10	P	D3	C3121 pre excavation plan
1947	A4P	1:10	P	D2	C3165 pre excavation plan
1948	A4P	1:10	P	D3	C3140 pre excavation plan
1949	A4L	1:10	P	C3	C3247 pre excavation plan
1950	A4L	1:10	P	C3	C3251 pre excavation plan
1951	A4P	1:10	P	C3/D4	C3245 pre excavation plan
1952	A4P	1:10	P	C3	C3240 pre excavation plan
1953	A4P	1:10	P	C3	C3241 pre excavation plan
1954	A4L	1:10	P	C3	C2353 pre excavation plan
1955	A4P	1:10	P	C3	C2389 pre excavation plan
1956	A4P	1:10	P	C3	C3202 pre excavation plan
1957	A4P	1:10	P	C3	C3229 pre excavation plan
1958	A4P	1:10	P	C3	C3226 pre excavation plan
1959	A4P	1:10	P	C3	C3224 pre excavation plan
1960	A4P	1:10	P	C3	C3218 pre excavation plan
1961	A4P	1:10	P	C3	C3219 pre excavation plan
1962	A4P	1:10	P	C3	C3217 pre excavation plan
1963	A4P	1:10	P	C3	C3216 pre excavation plan
1964	A4P	1:10	P	C3	C3213 pre excavation plan
1965	A4P	1:10	P	C3	C2490 pre excavation plan
1966	A4P	1:10	P	C3	C3199 pre excavation plan
1967	A4L	1:10	P	C3	C3191 pre excavation plan
1968	A4P	1:10	P	C3	C3189 pre excavation plan
1969	A4P	1:10	P	C3	C3183 pre excavation plan
1970	A4P	1:10	P	C3	C3182, C3183 pre excavation plan
1971	A4P	1:10	P	C3	C3187 pre excavation plan
1972	A4L	1:10	P	C3	C2007 pre excavation plan
1973	A4P	1:10	P	C3	C3176 pre excavation plan
1974	A4P	1:10	P	C3	C3173 pre excavation plan
1975	A4P	1:10	P	C3	C3172 pre excavation plan

Drawing No.	Format	Scale	Type	Module	Description (Context / Feature / Structure / Find No.)
1976	A4P	1:10	P	C3	C3169 pre excavation plan
1977	A4P	1:10	P	C3	C3167 pre excavation plan
1978	A4P	1:10	P	C3	C3166 pre excavation plan
1979	A4P	1:10	P	C3	C3164 pre excavation plan
1980	A4P	1:10	P	C3	C3157 C3158 C3159 pre excavation plan
1981	A4P	1:10	P	C3	C3152 pre excavation plan
1982	A4P	1:10	P	C3	C3150 pre excavation plan
1983	A4P	1:10	P	C3	C3122 pre excavation plan
1984	A4P	1:10	P	B0	C3170 pre excavation plan
1985	A4L	1:10	P	B0/4	F434 C2242 pre excavation plan
1986	A4P	1:10	P	B0	C3141 pre excavation plan
1987	A4P	1:10	P	B0	C3149 pre excavation plan
1988	A4P	1:10	P	B0	C3142 pre excavation plan
1989	A4P	1:10	P	B1	C3143 pre excavation plan
1990	A4P	1:10	P	D1	F472 C3160 pre excavation plan
1991	A4P	1:10	H	B7/D2	F473 post excavation hachure plan
1992	A4L	1:10	S	-	F518 south facing section
1993	A4P	1:10	P	D1	F528 C3175 pre excavation plan
1994	A4P	1:10	H	D1	F520 post excavation hachure plan
1995	A4P	1:10	P	D1	F530 C3175 pre excavation plan
1996	A4P	1:10	P	B1	F531 C3242 pre excavation plan
1997	A3L	1:10	P	C3	F533 C3254 pre excavation plan
1998	A4L	1:10	P	C3	F533 C2526 pre excavation plan



APPENDIX D PHOTOGRAPHIC INDICES

								Film No: N375
Frame	Lens	Scale	Direction	Int. No.	Module	Subject	Details (F/C Nos.)	Notes
0	zoom	-	-	24	-	-	ralph	working shot
1	zoom	1m	-	24	B1	section	F523, C3098, C3100-2	
2	zoom	1m	-	24	B1	section	F523, C3098, C3100-2	
3	zoom	2m	N	24	D3	plan	C3105	pre excavation plan
4	zoom	2m	N	24	D3	plan	C3105	pre excavation plan
5	zoom	1m	W	24	D3	plan	C3105	pre excavation plan
6	zoom	1m	W	24	D3	plan	C3105	pre excavation plan
7	zoom	0.25m	W	24	D2	plan	F524, C3107, C3108	pre excavation plan
8	zoom	0.25m	W	24	D2	plan	F524, C3107, C3108	pre excavation plan
9	zoom	0.25m	W	24	D2	plan	F524, C3107, C3108	pre excavation plan
10	zoom	0.25m	S	24	D2	section	F524, C3107	north facing
11	zoom	0.25m	S	24	D2	section	F524, C3107	north facing
12	zoom	0.5m	W	24	B3	section	F519	east facing
13	zoom	0.5m	W	24	B3	section	F519	east facing
14	zoom	1m	W	24	B1	hachure	F523, C3102	post excavation plan
15	zoom	1m	W	24	B1	hachure	F523, C3102	post excavation plan
16	zoom	1m	N	24	B1	hachure	F523, C3102	post excavation plan
17	zoom	1m	N	24	B1	hachure	F523, C3102	post excavation plan
18	zoom	0.25m	W	24	D2	hachure	F524	post excavation plan
19	zoom	0.25m	W	24	D2	hachure	F524	post excavation plan
20	zoom	-	-	24	-	-	Doug and Nicki	working shot
21	zoom	2m	N	24	C3	plan	C3122	pre excavation plan
22	zoom	2m	N	24	C3	plan	C3122	pre excavation plan
23	zoom	2m	E	24	C3	plan	C3122	pre excavation plan
24	zoom	2m	E	24	C3	plan	C3122	pre excavation plan
25	zoom	1m	E	24	D3	plan	C3136	pre excavation plan
26	zoom	1m	E	24	D3	plan	C3136	pre excavation plan
27	zoom	1m	E	24	D3	plan	C3136	pre excavation plan
28	zoom	1m	E	24	D3	plan	C3136	pre excavation plan
29	zoom	1m	W	24	D3	plan	C3136	pre excavation plan
30	zoom	1m	N	24	B1	hachure	F523	post excavation plan
31	zoom	1m	N	24	B1	hachure	F523	post excavation plan
32	zoom	1m	W	24	B1	hachure	F523	post excavation plan
33	zoom	1m	W	24	B1	hachure	F523	post excavation plan

								Film No: N376
Frame	Lens	Scale	Direction	Int. No.	Module	Subject	Details (F/C Nos.)	Notes
1	zoom	-	-	24	-	-	TR 06	general site view
2	zoom	1m	NE	24	A5	plan	F520, C3060	pre excavation plan
3	zoom	1m	SW	24	A5	plan	C3061	pre excavation plan
4	zoom	1m	SW	24	A5	plan	C3061	pre excavation plan
5	zoom	2m	S	24	B3	plan	F519, C3064	pre excavation plan
6	zoom	2m	S	24	B3	plan	F519, C3064	pre excavation plan
7								void
8	zoom	1m	S	24	D2	plan	F473, C2513	pre excavation plan
9	zoom	1m	S	24	D2	plan	F473, C2513	pre excavation plan
10	zoom	1m	NE	24	A5	plan	C3071	pre excavation plan
11	zoom	1m	NE	24	A5	plan	C3071	pre excavation plan
12	zoom	1m	S	24	D2	hachure	F473	post excavation plan
13	zoom	1m	S	24	D2	hachure	F473	post excavation plan
14	zoom	1m	S	24	D1	plan	F470, C2503, C2513	pre excavation plan
15	zoom	1m	S	24	D1	plan	F470, C2503, C2513	pre excavation plan
16	zoom	1m	SE	24	D1	plan	F470, C2503, C2513	pre excavation plan
17	zoom	1m	SE	24	D1	plan	F470, C2503, C2513	pre excavation plan
18	zoom	1m	E	24	D1	hachure	F470	post excavation plan
19	zoom	1m	E	24	D1	hachure	F470	post excavation plan
20	zoom	1m	-	24	D2	hachure	F476	post excavation plan
21	zoom	1m	-	24	D2	hachure	F476	post excavation plan
22	zoom	0.25m	-	24	A5	plan	F521, C3081	pre excavation plan
23	zoom	0.25m	-	24	A5	plan	F521, C3081	pre excavation plan
24	zoom	2m	N	24	D3	plan	C3083	pre excavation plan
25	zoom	2m	N	24	D3	plan	C3083	pre excavation plan
26	zoom	2m	N	24	D3	plan	C3083	pre excavation plan
27	zoom	-	-	24	-	-	Doug surveying	working shot
28	zoom	-	-	24	-	-	Becca trowelling	working shot
29	zoom	-	-	24	-	-	Becca, Ralph, Anna	working shot
30	zoom	2m	SE	24	A5	plan	F520, C3060, F522, C3071	
31	zoom	2m	SE	24	A5	plan	F520, C3060, F522, C3071	
32	zoom	2m	SE	24	A5	plan	F520, C3060, F522, C3071	
33	zoom	0.25m	W	24	A5	hachure	F521	post excavation plan
34	zoom	1m	W	24	B1	plan	F523, C3098	pre excavation plan
35	zoom	1m	W	24	B1	plan	F523, C3098	pre excavation plan
36	zoom	1m	-	24	B1	section	F523, C3098, C3001-2	post excavation plan
37	zoom	1m	-	24	B1	section	F523, C3098, C3001-2	post excavation plan

								Film No: N377
Frame	Lens	Scale	Direction	Int. No.	Module	Subject	Details (F/C Nos.)	Notes
0	zoom	0.5m	E	24	D3	plan	F529, C3205	pre excavation
1	zoom	0.5m	E	24	D3	plan	F529, C3205	pre excavation
2	zoom	0.5m	E	24	D3	section	F529, C3205	west facing
3	zoom	0.5m	E	24	D3	section	F529, C3205	west facing
4	zoom	0.5m	N	24	D3	section	F529, C3205	south facing
5	zoom	0.5m	N	24	D3	section	F529, C3205	south facing
6	zoom	0.5m	S	24	D3	section	F529, C3205	north facing
7	zoom	0.5m	S	24	D3	section	F529, C3205	north facing
8	zoom	0.5m	W	24	D3	section	F529, C3205	east facing
9	zoom	0.5m	W	24	D3	section	F529, C3205	east facing
10								void
11	zoom	0.5m	SW	24	B0	plan	F532, C3243	pre excavation
12	zoom	0.5m	SW	24	B0	plan	F532, C3243	pre excavation
13	zoom	1m	E	24	B5	plan	F471, C3246	pre excavation
14	zoom	1m	E	24	B5	plan	F471, C3246	pre excavation
15	zoom	0.5m	E	24	B0	section	F532, C3243	west facing
16	zoom	0.5m	E	24	B0	section	F532, C3243	west facing
17	zoom	2m	SW	24	B3	plan	F519, C3111	pre excavation
18	zoom	2m	SW	24	B3	plan	F519, C3111	pre excavation
19	zoom	0.5m	E	24	B3	plan	F519, C3111	pre excavation
20	zoom	0.5m	E	24	B3	plan	F519, C3111	pre excavation
21	zoom	0.5m	E	24	B3	plan	F519, C3111	pre excavation
22	zoom	0.5m	S	24	B0	hachure	F532	post excavation
23	zoom	0.5m	S	24	B0	hachure	F532	post excavation
24	zoom	1m	E	24	B0	hachure	F529	post excavation
25	zoom	1m	E	24	B0	hachure	F529	post excavation
26	zoom	1m	E	24	B0	hachure	F529	post excavation
27	zoom	2m	N	24	C3	plan	F533, C3254, F475, C2526	
28	zoom	2m	N	24	C3	plan	F533, C3254, F475, C2526	
29	zoom	0.5m	-	24	C6/7	-	F138, C1722	stone work
30	zoom	0.5m	-	24	C4	-	F113, C1779	stone work
31	zoom	0.5m	-	24	-	-	F132	stone work
32	zoom	0.5m	-	24	-	-	F134	stone work
33	zoom	0.25m	-	-	D5	-	F441, C1692	stone work
34	zoom	0.5m	-	24	D5	-	F442, C1687	stone work
35	zoom	0.5m	-	24	D5	-	F442, C1707	stone work
36	zoom	0.5m	-	24	-	-	F443	stone work
37	zoom	0.5m	-	24	D5	-	F426, C1734	stone work



								Film No: N378
Frame	Lens	Scale	Direction	Int. No.	Module	Subject	Details (F/C Nos.)	Notes
0								
1	zoom	0.5m	-	11	C4/D4	-	F461, C1745	stone work
2	zoom	0.5m	-	11	C4/D4	-	F461, C1745	stone work
3	zoom	0.5m	-	11	D5	-	F464, C1738	stone work
4	zoom	0.5m	-	11	D5	-	F464, C1739	stone work
5	zoom	0.5m	-	11	D2	-	F466, C1742	stone work
6	zoom	0.5m	-	11	D1	-	F466, C1757	stone work
7	zoom	0.5m	-	11	D5	-	F472, C1785	stone work
8	zoom	0.5m	-	11	D5	-	F472, C1786	stone work
9	zoom	0.5m	-	11	D1	-	F473, C1792	stone work
10	zoom	0.5m	-	11	C3	-	F114, C1755	stone work
11	zoom	2m	N	24	B7	plan	F534, C3255	pre excavation
12	zoom	2m	N	24	B7	plan	F534, C3255	pre excavation
13	zoom	2m	NW	24	B7	plan	F534, C3255	pre excavation
14	zoom	2m	NW	24	B7	plan	F534, C3255	pre excavation
15	zoom	1m	S	24	B7	plan	F535, C3256	pre excavation
16	zoom	1m	S	24	B7	plan	F535, C3256	pre excavation
17	zoom	1m	S	24	B7	plan	F353, C3256	pre excavation
18	zoom	1m	S	24	D1	plan	F530, C3228	pre excavation
19	zoom	1m	S	24	D1	plan	F530, C3228	pre excavation
20	zoom	1m	N	24	D1	plan	F530, C3228	pre excavation
21	zoom	1m	N	24	D1	plan	F530, C3228	pre excavation
22	zoom	2m	E	24	D2	plan	F476, C2514	pre excavation
23	zoom	2m	E	24	D2	plan	F476, C2514	pre excavation
24	zoom	1m	E	24	D2	plan	F476, C2514	pre excavation
25	zoom	1m	E	24	D2	plan	F476, C2514	pre excavation
26	zoom	2m	W	24	D2	plan	F476, C2514	pre excavation
27	zoom	2m	W	24	D2	plan	F476, C2514	pre excavation
28	zoom	0.5m	-	11	-	-	F139	stone work
29	zoom	2m	E	24	B3	section	Module B3	west facing
30	zoom	2m	E	24	B3	section	Module B3	west facing
31	zoom	2m	NW	24	-	-	Nicki	working shot
32	zoom	2m	NW	24	B7	plan	F534, C3255	pre excavation
33	zoom	2m	NW	24	B7	plan	F534, C3255	pre excavation
34	zoom	2m	SE	24	D1	hachure	F472	post excavation
35	zoom	2m	SE	24	D1	hachure	F472	post excavation
36	zoom	1m	S	24	D1	hachure	F526	post excavation
37	zoom	1m	S	24	D1	hachure	F526	post excavation

								Film No: N379
Frame	Lens	Scale	Direction	Int. No.	Module	Subject	Details (F/C Nos.)	Notes
0								
1								
2	zoom	2m	NW	24	C3	plan	C2989	pre excavation
3	zoom	2m	NW	24	C3	plan	C2989	pre excavation
4	zoom	2m	SE	24	C3	plan	C2989	pre excavation
5	zoom	2m	SE	24	C3	plan	C2989	pre excavation
6	zoom	2m	SE	24	C3	plan	C2989	pre excavation
7	zoom	0.25m	NE	24	B1	plan	F518, C2992	pre excavation
8	zoom	0.25m	N	24	B1	section	F518	south facing
9	zoom	0.25m	N	24	B1	section	F518	south facing
10	zoom	1m	S	24	D2	plan	F473, C2512	pre excavation
11	zoom	1m	S	24	D2	plan	F473, C2512	pre excavation
12	zoom	1m	-	24	B0	plan	F512, C2955 C2957	pre excavation
13	zoom	1m	-	24	B0	plan	F512, C2955 C2957	pre excavation
14	zoom	1m	-	24	B0	plan	F512, C2955 C2957	pre excavation
15	zoom	0.25m	N	24	B1	hachure	F518	post excavation
16	zoom	0.25m	N	24	B1	hachure	F518	post excavation
17	zoom	2m	S	24	B3	plan	F519, C3014	pre excavation
18	zoom	2m	S	24	B3	plan	F519, C3014	pre excavation
19	zoom	1m	W	24	B0	plan	F512, C2955	pre excavation
20	zoom	1m	W	24	B0	plan	F512, C2955	pre excavation
21	zoom	1m	S	24	B0	plan	F512, C2955	pre excavation
22	zoom	1m	S	24	B0	plan	F512, C2955	pre excavation
23	zoom	0.25m	E	24	D2	plan	C2335	pre excavation
24	zoom	0.25m	E	24	D2	plan	C2335	pre excavation
25	zoom	-	-		-	-	-	working shot
26	zoom	-	-		-	-	Becca and Ralph	working shot
27	zoom	2m	-	30	-	section	section	watching brief
28	zoom	2m	-	30	-	section	section	watching brief
29	zoom	2m	-	30	-	section	section	watching brief
30	zoom	2m	S	24	B3	plan	F519, C3028	pre excavation
31	zoom	2m	S	24	B3	plan	F519, C3028	pre excavation
32	zoom	2m	N	24	B2	plan	C3029	pre excavation
33	zoom	2m	N	24	B2	plan	C3029	pre excavation
34	zoom	2m	N	24	B2	plan	C3029	pre excavation
35	zoom	2m	N	24	D3	plan	C3031	pre excavation
36	zoom	2m	N	24	D3	plan	C3031	pre excavation



								Film No: N380
Frame	Lens	Scale	Direction	Int. No.	Module	Subject	Details (F/C Nos.)	Notes
0								
1								
2	zoom	1m	E	24	D2	plan	C3028	pre excavation
3	zoom	0.25m	NE	30	A5	plan	C3034	pre excavation
4	zoom	-	S	30	-	-	drainage trench	watching brief
5	zoom	-	S	30	-	-	drainage trench	watching brief
6	zoom	-	W	24	-	-	general view	watching brief
7	zoom	2m	E	24	A5	plan	C3043	pre excavation
8	zoom	2m	E	30	A5	plan	C3043	pre excavation
9	zoom	-	-	30	-	-	general section	watching brief
10	zoom	-	-	30	-	-	machining	watching brief
11	zoom	-	-	30	-	-	drainage trench	watching brief
12	zoom	2m	SW	24	B3	plan	C3045	pre excavation
13	zoom	2m	SW	24	B3	plan	C3045	pre excavation
14	zoom	2m	NW	24	C3	plan	F471, C3046	pre excavation
15	zoom	2m	NW	24	C3	plan	F471, C3046	pre excavation
16	zoom	1m	-	30	-	-	general section	watching brief
17	zoom	1m	-	30	-	-	general section	watching brief
18	zoom	1m	-	30	-	-	general section	watching brief
19	zoom	1m	-	30	-	-	general shot	watching brief
20	zoom	-	-	30	-	-	general view of w/b	watching brief
21	zoom	1m	-	30	-	-	general view of section	watching brief
22	zoom	-	SE	30	-	plan	F1, C1015	photo markers
23	zoom	-	SE	30	-	plan	F1, C1015	photo markers
24	zoom	-	SE	30	-	plan	F2, C1016	photo markers
25	zoom	-	SE	30	-	plan	F2, C1016	photo markers
26	zoom	1m	-	30	-	plan	F2, C1016	pre excavation
27	zoom	-	-	30	-	plan	general view	watching brief
28	zoom	-	-	24	-	-	school party	site visit
29	zoom	-	-	24	-	-	school party	site visit
30	zoom	-	-	24	-	-	school party	site visit
31	zoom	-	-	24	-	-	school party	site visit
32	zoom	-	-	24	-	-	school party	site visit
33	zoom	1m	-	30	-	-	backfilling	watching brief
34	zoom	-	-	30	-	-	backfilling	watching brief
35	zoom	1m	-	30	-	-	drainage trench	watching brief
36	zoom	1m	-	30	-	-	drainage trench	watching brief
37	zoom	1m	NE	24	A5	plan	F520, C3060	pre excavation

								Film No: N381
Frame	Lens	Scale	Direction	Int. No.	Module	Subject	Details (F/C Nos.)	Notes
0								
1	zoom	1m	S	30	-	section	F5, F6	north facing
2	zoom	1m	S	30	-	section	F5, F6	north facing
3	zoom	1m	S	30	-	section	F5, F6	north facing
4	zoom	1m	N	30	-	plan	F5, F6	pre excavation
5	zoom	1m	N	30	-	plan	F5, F6	pre excavation
6	zoom	-	NE	30	-	plan	F6 photo markers	pre excavation
7	zoom	-	NE	30	-	plan	F6 photo markers	pre excavation
8	zoom	1m	-	30	-	section	F8, F9	pre excavation
9	zoom	1m	SE	30	-	plan	F8, F9	pre excavation
10	zoom	1m	SE	30	-	plan	F8, F9	pre excavation
11	zoom	0.25m	SW	24	B0	plan	C3141	pre excavation
12	zoom	0.25m	SW	24	B0	plan	C3141	pre excavation
13	zoom	2m	W	24	C3	plan	C3122	bone dump
14	zoom	2m	W	24	C3	plan	C3122	bone dump
15	zoom	-	-	24	C3	plan	C3122	photo markers
16	zoom	-	-	24	C3	plan	C3122	photo markers
17	zoom	1m	E	24	B0	plan	F495, C2761	pre excavation
18	zoom	1m	E	24	B0	plan	F495, C2761	pre excavation
19	zoom	1m	E	24	B0	plan	F495, C2761	pre excavation
20	zoom	1m	E	24	B0	plan	F495, C2761	pre excavation
21	zoom	1m	E	24	B0	plan	F495, C2761	pre excavation
22	zoom	1m	E	24	B0	plan	F495, C2761	pre excavation
23	zoom	1m	S	24	D1	hachure	F528	post excavation
24	zoom	1m	S	24	D1	hachure	F528	post excavation
25	zoom	1m	E	24	B0	plan	F529, C3190	pre excavation
26	zoom	1m	E	24	B0	plan	F529, C3190	pre excavation
27	zoom	1m	E	24	B0	plan	F529, C3190	pre excavation
28	zoom	0.5m	E	24	C3	plan	F475, C3202	pre excavation
29	zoom	0.5m	E	24	C3	plan	F475, C3202	pre excavation
30	zoom	1m	E	24	B0	plan	F529, C3205	pre excavation
31	zoom	1m	E	24	B0	plan	F529, C3205	pre excavation
32	zoom	1m	E	24	B0	plan	F529, C3205	pre excavation
33	zoom	1m	NE	24	D3	plan	F527, C3215	pre excavation
34	zoom	1m	NE	24	D3	plan	F527, C3215	pre excavation
35	zoom	1m	NE	24	D3	plan	F527, C3215	pre excavation
36	zoom	1m	E	24	D3	plan	F529, C3205	pre excavation
37	zoom	1m	E	24	D3	plan	F529, C3205	pre excavation



								Film No: N382
Frame	Lens	Scale	Direction	Int. No.	Module	Subject	Details (F/C Nos.)	Notes
0								
1								
2	zoom	2m	N	24	D3	section	Module D3	south facing
3	zoom	2m	N	24	D3	section	Module D3	south facing
4	zoom	-	N	24	D3	section	Module D3	zoomed in
5	zoom	2m	N	24	D3	section	Module D3	south facing
6	zoom	2m	E	24	B7	section	Module B7	west facing
7	zoom	2m	E	24	B7	section	Module B7	west facing
8	zoom	2m	E	24	B7	section	Module B7	west facing
9	zoom	2m	E	24	B7	section	Module B7	west facing
10	zoom	2m	E	24	B7	section	Module B7	west facing
11	zoom	2m	E	24	B7	section	Module B7	west facing
12	zoom	2m	E	24	B7	section	Module B7	west facing
13	zoom	-	SW	24	-	-	machining	backfilling
14	zoom	-	SW	24	-	-	machining	backfilling
15	zoom	-	S	24	-	-	machining	backfilling
16	zoom	-	S	24	-	-	machining	backfilling
17	zoom	-	S	24	-	-	machining	backfilling
18	zoom	-	NW	24	-	-	machining	backfilling
19	zoom	-	NW	24	-	-	machining	backfilling
20	zoom	-	NW	24	-	-	machining	backfilling
21	zoom	2m	E	24	A7/B3	section	Module A7/B3	west facing
22	zoom	2m	E	24	A7/B3	section	Module A7/B3	west facing
23	zoom	2m	E	24	A4/A7	section	Module A4/A7	west facing
24	zoom	2m	E	24	A4/A7	section	Module A4/A7	west facing
25	zoom	2m	E	24	A4/A7	section	Module A4/A7	west facing
26	zoom	2m	E	24	A4/A7	section	Module A4/A7	west facing
27	zoom	-	N	24	-	-	general view	post excavation
28	zoom	-	NW	24	-	-	general view	post excavation
29	zoom	-	SE	24	-	-	general view	post excavation
30	zoom	-	SW	24	-	-	general view	post excavation



APPENDIX E FINDS INDICES

INTERVENTION 14

Find No.	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W(g)	Box	Desc
4429	3064	579				D	metal fe	nail		6	M6	
4430	3061		873.54	1008.07	14.10	D	stone o	utilised pebble	unidentified		SO10	
4431	2007					D	stone o	utilised pebble	unidentified	36.5	SO10	
4432	3092		875.89	1009.51	14.40	D	metal fe	nail?		5.5	M6	
4433	3114		875.65	1006.46	14.20	D	metal fe	nail		5	M6	
4434	1510					D	metal cu	waste?		8.7	M6	
4435	3114		875.31	1007.04	14.20	D	stone o	utilised pebble	unidentified	6.8	SO10	
4436	3114		874.96	1007.23	14.10	D	stone o	utilised pebble	unidentified	13.1	SO10	
4437	3170		868.98	1005.77	13.60	D	stone o	utilised pebble	unidentified	9.3	SO10	
4438	3061		873.84	1008.40	14.20	D	stone o	burnisher	unidentified	838.5	SO10	
4439	3153	434	868.50	1003.37	13.40	D	stone o	burnisher	unidentified	194	SO10	
4440	3100		875.03	1006.45	13.90	D	stone o	whetstone	unidentified	164	SO10	
4441	2190					D	bone a	assemblage	mixed	99.2	BA19	
4442	3114		874.65	1007.68	14.10	D	stone o	whetstone	unidentified	406	SO10	
4443	2510					D	bone a	assemblage	mixed	98.9	BA19	
4444	2519					D	bone a	assemblage	mixed	5.5	BA19	
4445	2993					D	bone a	assemblage	mixed	24.2	BA19	
4446	3009					D	bone a	assemblage	mixed	12.4	BA19	
4447	3010					D	bone a	assemblage	mixed	34.5	BA19	
4448	3043					D	bone a	assemblage	mixed	348.5	BA19	includes metatarsals
4449	3061					D	bone a	assemblage	mixed	3.5	BA19	sieved
4450	3064	519				D	bone a	assemblage	mixed	9.5	BA19	
4451	3064	519				D	bone a	assemblage	mixed	26.5	BA19	sieved
4452	3069	519				D	bone a	assemblage	mixed	11.9	BA19	
4453	3070	519				D	bone a	assemblage	mixed	27.7	BA19	



Find No.	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W(g)	Box	Desc
4454	3092					D	bone a	assemblage	mixed	80.2	BA19	
4455	3119					D	bone a	assemblage	mixed	102.3	BA19	sieved
4457	3153	434				D	bone a	assemblage	mixed	117.7	BA19	
4458	3153	434				D	bone a	assemblage	mixed	629.3	BA19	sieved
4459	3233					D	bone a	assemblage	mixed	134.4	B19	
4461	2190					D	daub	assemblage	unidentified	98.1	D2	
4469	3070	519	883.16	1003.45	13.70	D	matrix	environmental	soil	93.5	X7	grid sample
4470	3078	519	883.12	1003.4	13.70	D	matrix	environmental	soil	84.4	X7	grid sample
4471	3070	519	882.77	1003.48	13.70	D	matrix	environmental	soil	86.6	X7	grid sample
4472	3069	519	882.80	1003.48	13.80	D	matrix	environmental	soil	91.1	X7	grid sample
4473	3090	519	883.55	1003.41	13.40	D	matrix	environmental	soil	83.6	X7	grid sample
4474	3078	519	883.40	1003.38	13.70	D	matrix	environmental	soil	70.1	X7	grid sample
4475	3028	519	882.01	1003.67	14.10	D	matrix	environmental	soil	52.1	X7	grid sample
4476	3028	519	882.78	1003.57	14.10	D	matrix	environmental	soil	69.2	X7	grid sample
4477	3078	519	882.77	1003.52	13.70	D	matrix	environmental	soil	88.1	X7	grid sample
4478	3028	519	883.13	1003.54	14.10	D	matrix	environmental	soil	62.1	X7	grid sample
4479	3090	519	882.70	1003.59	13.60	D	matrix	environmental	soil	124.9	X7	grid sample
4480	3090	519	883.03	1003.56	13.60	D	matrix	environmental	soil	93.2	X7	grid sample
4481	3002					D	matrix	environmental	flot	4.9	X7	see sspr
4483	3098	523				D	matrix	dating	c14	33.8	X7	burnt hurdle fragments
4484	2993					D	matrix	dating	c14	5.3	X7	charcoal
4485	3098	523				D	matrix	dating	c14	3.3	X7	sieved
4486	3100	523				D	matrix	dating	c14	4.3	X7	sieved
4487	2503	470				D	stone o	pivot stone	unidentified		NB	
4488	3153	434	871.60	1002.36	13.60	D	matrix	environmental	soil	225.8	X7	30g grab sample for pollen
4489	3153	434	869.92	1002.90	13.50	D	matrix	environmental	soil	181	X7	30g grab sample for pollen
4490	3153	434	868.53	1003.17	13.40	D	matrix	environmental	soil	204.4	X7	30g grab sample for pollen



Find No.	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W(g)	Box	Desc
4491	3078	579	882.02	1003.66	13.60	D	matrix	environmental soil		70.3	X7	30g grab sample for pollen
4492	3064	579	882.96	1003.5	13.90	D	matrix	environmental soil		82.1	X7	30g grab sample for pollen
4493	3064	579	883.42	1003.32	13.80	D	matrix	environmental soil		91.2	X7	30g grab sample for pollen
4494	3170		868.83	1005.78	13.70	D	matrix	environmental soil		203.8	X7	30g grab sample for pollen
4495	3078	579	882.38	1003.62	13.60	D	matrix	environmental soil		66.8	X7	30g grab sample for pollen
4496	3153	434				D	slag	ferrous	unidentified	132.2	SL	
4497	3061					D	slag	ferrous	unidentified	64.9	SL	
4498	3233					D	slag	ferrous	unidentified	12.8	SL	

INTERVENTION 24

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7274	3122					D	bone a	assemblage	mixed	1701.0	BA33 - 35	
7275	2335					D	bone a	assemblage	mixed	2520.8	BA30	
7276	2295	404				D	matrix	environmental	flot		fridge	
7277	2109		872.04	991.47	13.40	D	stone o	whetstone	unidentified	1954	SO10	
7278	2109		872.52	997.9	13.40	D	stone o	whetstone	unidentified	2452	SO10	
7279	3163		887.41	993.52	13.50	D	stone o	whetstone	unidentified	284	SO10	
7280	3136	525				D	stone o	whetstone	unidentified	992	SO10	
7281	3114		868.34	1002.7	13.30	D	stone o	whetstone	unidentified	330	SO10	
7282	2950		870.57	1010.7	14.20	D	stone o	whetstone	unidentified	66.3	SO10	
7283	3114		872.96	1008.5	14.10	D	stone o	whetstone	unidentified	512	SO10	
7284	2957		870.55	1009.1	14.10	D	stone o	burnisher	unidentified	930	SO10	
7285	3083		888.04	993.19	13.60	D	stone o	burnisher	unidentified	880	SO10	
7286	3083		884.92	993.4	13.50	D	stone o	burnisher	unidentified	210	SO10	
7287	2957		870.86	1009.1	13.90	D	stone o	burnisher	unidentified	112	SO10	
7288	1000					D	stone o	burnisher	unidentified	210	SO10	
7289	3177		884.72	994.05	13.40	D	stone o	burnisher	unidentified	128	SO10	
7290	1000					D	stone o	burnisher	unidentified	268	SO10	unstratified
7291	1000					D	stone o	burnisher	unidentified	310	SO10	unstratified
7292	3175	528				D	stone o	utilised pebble	unidentified	9.9	SO10	sieved
7293	3175	528				D	stone o	utilised pebble	unidentified	6.2	SO10	sieved
7294	3116		875.39	1007.2	14.20	D	stone o	utilised pebble	unidentified	71	SO10	
7295	3155		887.1	993.95	13.50	D	stone o	utilised pebble	unidentified	43.8	SO10	
7296	3140					D	stone o	utilised pebble	unidentified	19.7	SO10	
7297	2950		869.66	1010.1	14.00	D	stone o	utilised pebble	unidentified	6.2	SO10	
7298	3191		869.2	992.2	12.70	D	stone o	utilised pebble	unidentified	5.3	SO10	
7299	3034		884.81	992.27	12.60	D	stone o	utilised pebble	unidentified	18.2	SO10	
7300	3246		872.78	996.72	13.10	D	stone o	utilised pebble	unidentified	30.6	SO10	

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7301	3246		873.55	997.21	13.10	D	stone o	utilised pebble	unidentified	28	SO10	
7302	3177		884.8	992.68	13.30	D	stone o	utilised pebble	unidentified	5.5	SO10	
7303	3177		884.81	992.49	13.30	D	stone o	utilised pebble	unidentified	6.5	SO10	
7304	3029					D	stone o	utilised pebble	unidentified	28.3	SO10	
7305	3178	476				D	stone o	utilised pebble	unidentified	4.7	SO10	
7306	1000					D	stone o	utilised pebble	unidentified	91	SO10	unstratified
7307	3229		871.15	991.03	13.20	D	stone o	rubberstone	pumice	37.2	SO10	
7308	3083		886.4	992.52	13.30	D	stone o	rubberstone	pumice	136.3	SO10	
7309	3097		868.74	992.46	12.80	D	stone o	plough pebble	unidentified	13.5	SO10	
7310	3122					D	stone o	plough pebble	unidentified	13.5	SO10	
7311	3150		867.22	992.4	12.40	D	stone o	plough pebble	unidentified	12.8	SO10	
7312	3150					D	stone o	plough pebble	unidentified	11.7	SO10	
7313	3229		871.27	992.99	13.00	D	stone o	plough pebble	unidentified	15.5	SO10	
7314	3219					D	stone o	plough pebble	unidentified	61.7	SO10	
7315	3128		867.51	992.25	12.50	D	stone o	plough pebble	unidentified	8.7	SO10	
7316	1512		884.66	994.26	14.00	D	stone o	spindle whorl	unidentified	17.5	SO10	
7317	3200					D	stone o	body sherd	unidentified	66.9	SO10	
7318	3083		884.26	992.19	13.40	D	stone o	mica sheet	unidentified		SO10	
7319	2527					D	flint	strike-a-light	unidentified	1.7	F1	sieved
7320	3106		868.12	991.94	12.60	D	flint	strike-a-light	unidentified	7.2	F1	
7321	3194	527	886.37	993.04	13.00	D	flint	strike-a-light	unidentified	1.8	F1	
7322	3150		867.35	991.67	12.40	D	flint	strike-a-light	unidentified	1.8	F1	
7323	3063		869.6	991.85	12.90	D	flint	strike-a-light	unidentified	2.3	F1	
7324	3122		867.46	991.34	12.50	D	flint	strike-a-light	unidentified	4.5	F1	
7325	3194	527	886.62	992.24	13.00	D	flint	strike-a-light	unidentified	2.2	F1	
7326	3134	526				D	flint	strike-a-light	unidentified	1.7	F1	
7327	3177		885.56	993.61	13.40	D	flint	strike-a-light	unidentified	0.4	F1	
7328	3175	528				D	flint	strike-a-light	unidentified	0.5	F1	

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material Identity	Type	W (g)	Box	Description
7329	3001					D	bone a assemblage	mixed	62.7	BA28	
7330	3005					D	bone a assemblage	mixed	5.9	BA28	
7331	3013					D	bone a assemblage	mixed	0.6	BA28	
7332	3016					D	bone a assemblage	mixed	426	BA28	
7333	3027					D	bone a assemblage	mixed	307.7	BA28	
7334	3029					D	bone a assemblage	mixed	2826	BA28	
7335	3029					D	bone a mammal	vertebrae	97.9	BA28	found articulated
7336	3030					D	bone a assemblage	mixed	609.7	BA28	
7337	3037					D	bone a assemblage	mixed	7	BA28	
7338	3046					D	bone a assemblage	mixed	113.7	BA28	
7339	3047					D	bone a assemblage	mixed	2196	BA28	
7340	3048					D	bone a assemblage	mixed	13.9	BA28	
7341	3049					D	bone a assemblage	mixed	63.6	BA28	
7342	3051					D	bone a mammal	skull	121	BA28	
7343	3052					D	bone a assemblage	mixed	430	BA28	
7344	3054					D	bone a assemblage	mixed	22.3	BA29	
7345	3055					D	bone a assemblage	mixed	1.3	BA29	
7346	3058					D	bone a assemblage	mixed	153.3	BA29	
7347	3063					D	bone a assemblage	mixed	78.3	BA29	
7348	3064	519				D	bone a mammal	tooth	0.7	BA29	
7349	3066					D	bone a assemblage	mixed	240.9	BA29	
7350	3074					D	bone a mammal	jaw	21.7	BA29	
7351	3075					D	bone a assemblage	mixed	11	BA29	
7352	3076					D	bone a assemblage	unidentified	0.1	BA29	
7353	3079					D	bone a assemblage	mixed	7.5	BA29	
7354	3082					D	bone a assemblage	mixed	22.4	BA29	
7355	3083					D	bone a assemblage	mixed	155.3	BA29	
7356	3085					D	bone a assemblage	mixed	12.6	BA29	

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7357	3086					D	bone a	assemblage	mixed	578.6	BA29	
7358	3087					D	bone a	assemblage	mixed	30.5	BA29	
7359	3091					D	bone a	assemblage	mixed	239.1	BA29	
7360	3092					D	bone a	assemblage	mixed	81.6	BA29	
7361	3094					D	bone a	assemblage	mixed	13.4	BA29	
7362	3095					D	bone a	assemblage	mixed	7.1	BA29	
7363	3096					D	bone a	assemblage	mixed	32.1	BA29	
7364	3097					D	bone a	assemblage	mixed	996.1	BA29	
7365	2007					D	bone a	assemblage	mixed	2842	BA29	
7366	2117					D	bone a	assemblage	mixed	275.9	BA29	
7367	2117					D	bone a	assemblage	mixed	2.1	BA29	sieved
7368	2134	470				D	bone a	assemblage	mixed	163.2	BA29	
7369	2335					D	bone a	assemblage	mixed	2468	BA30	
7370	2337					D	bone a	assemblage	mixed	369	BA29	
7371	2389					D	bone a	assemblage	mixed	0.6	BA29	
7372	2476					D	bone a	assemblage	mixed	80.4	BA29	
7373	2490					D	bone a	assemblage	mixed	157.8	BA29	
7374	2491					D	bone a	assemblage	mixed	35.3	BA30	sieved
7375	2513					D	bone a	assemblage	mixed	119.1	BA30	
7376	2517	467				D	bone a	assemblage	mixed	82.8	BA30	
7377	2527					D	bone a	assemblage	mixed	192.8	BA30	sieved
7378	2539					D	bone a	assemblage	mixed	281.7	BA30	
7379	2950					D	bone a	assemblage	mixed	3.4	BA30	sieved
7380	2957					D	bone a	assemblage	mixed	167.2	BA30	
7381	2989					D	bone a	assemblage	mixed	416.6	BA30	
7382	2991					D	bone a	assemblage	mixed	394	BA30	
7383	2994					D	bone a	assemblage	mixed	4	BA30	
7384	2996					D	bone a	assemblage	mixed	257.4	BA30	

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7385	2996					D	bone a	assemblage	mixed	25.3	BA30	sieved
7386	3106					D	bone a	assemblage	mixed	235.5	BA30	
7387	3109					D	bone a	assemblage	mixed	525.1	BA30	
7388	3112					D	bone a	assemblage	mixed	113.5	BA30	
7389	3116					D	bone a	assemblage	mixed	870	BA30	
7390	3118					D	bone a	assemblage	mixed	8.8	BA30	
7391	3120					D	bone a	assemblage	mixed	2	BA30	sieved
7392	3121					D	bone a	assemblage	mixed	0.9	BA30	
7394	3123					D	bone a	assemblage	mixed	8.8	BA30	
7395	3126					D	bone a	assemblage	mixed	2.8	BA30	
7396	3127					D	bone a	assemblage	mixed	179.2	BA30	
7397	3128					D	bone a	assemblage	mixed	132.5	BA30	
7398	3129	472				D	bone a	assemblage	mixed	17.8	BA30	
7399	3129	472				D	bone a	assemblage	mixed	1378	BA30	sieved
7400	3130					D	bone a	assemblage	mixed	165.6	BA31	
7401	3131					D	bone a	assemblage	mixed	135.6	BA31	
7402	3132					D	bone a	assemblage	mixed	1922	BA31	
7403	3133					D	bone a	assemblage	mixed	107.8	BA31	
7404	3135					D	bone a	assemblage	mixed	7.1	BA31	
7405	3139					D	bone a	assemblage	mixed	2.7	BA31	
7406	3140					D	bone a	assemblage	mixed	216.7	BA31	
7407	3144	526				D	bone a	assemblage	mixed	8.9	BA31	
7408	3145					D	bone a	assemblage	mixed	6.3	BA31	
7409	3146					D	bone a	assemblage	mixed	210.8	BA31	
7410	3150					D	bone a	assemblage	mixed	878	BA31	
7411	3152					D	bone a	assemblage	mixed	1682	BA31	
7412	3153					D	bone a	assemblage	mixed	61.9	BA31	
7413	3154					D	bone a	assemblage	mixed	54.3	BA31	sieved



Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7414	3155					D	bone a	assemblage	mixed	14.8	BA31	
7415	3156	527				D	bone a	assemblage	mixed	298.8	BA31	
7416	3157					D	bone a	assemblage	mixed	128.3	BA31	
7417	3159					D	bone a	assemblage	mixed	323.7	BA31	
7418	3164					D	bone a	assemblage	mixed	85.3	BA31	
7419	3165					D	bone a	assemblage	mixed	343.2	BA31	
7420	3166					D	bone a	assemblage	mixed	312.7	BA31	
7421	3167					D	bone a	assemblage	mixed	92.6	BA31	
7422	3168					D	bone a	assemblage	mixed	57	BA31	sieved
7423	3169					D	bone a	assemblage	mixed	775.6	BA32	
7424	3172					D	bone a	assemblage	mixed	123.5	BA32	
7425	3173					D	bone a	assemblage	mixed	418	BA32	
7426	3175	528				D	bone a	assemblage	mixed	83	BA32	sieved
7427	3176					D	bone a	assemblage	mixed	667.5	BA32	
7428	3177					D	bone a	assemblage	mixed	357.3	BA32	
7429	3178	476				D	bone a	assemblage	mixed	178.3	BA32	
7430	3183					D	bone a	assemblage	mixed	74.9	BA32	
7431	3187					D	bone a	assemblage	mixed	71.1	BA32	
7432	3188					D	bone a	assemblage	mixed	21.6	BA32	sieved
7433	3189					D	bone a	assemblage	mixed	16.7	BA32	
7434	3192	527				D	bone a	assemblage	mixed	1.3	BA32	
7435	3195					D	bone a	assemblage	mixed	152.8	BA32	
7436	3199					D	bone a	assemblage	mixed	99.5	BA32	
7437	3200	527				D	bone a	assemblage	mixed	147.3	BA32	
7438	3213					D	bone a	assemblage	mixed	588.2	BA32	
7439	3216					D	bone a	assemblage	mixed	375.5	BA32	
7440	3217					D	bone a	assemblage	mixed	254.8	BA32	
7441	3219					D	bone a	assemblage	mixed	2490	BA32	

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7442	3224					D	bone a	assemblage	mixed	451.2	BA32	
7443	3229					D	bone a	assemblage	mixed	264.1	BA32	
7444	3236					D	bone a	assemblage	mixed	68.3	BA32	
7445	3243					D	bone a	assemblage	mixed	1	BA32	
7446	3245					D	bone a	assemblage	mixed	166.8	BA32	
7447	3227	530				D	bone a	assemblage	mixed	1378	BA33	sieved
7448	3247					D	bone a	assemblage	mixed	237.5	BA33	
7449	3251					D	bone a	assemblage	mixed	294.5	BA33	
7451	1000					D	bone a	assemblage	mixed	165.3	BA33	unstratified
7452	2335					D	daub	assemblage	unidentified	46.6	D2	
7453	2337					D	daub	assemblage	unidentified	585.3	D2	
7454	2491					D	daub	assemblage	unidentified	12.9	D2	sieved
7455	2527					D	daub	assemblage	unidentified	5.2	D2	sieved
7456	3016		868.18	992.19	12.70	D	daub	assemblage	unidentified	166.3	D2	
7457	3037					D	daub	unidentified		20.3	D2	
7458	3082					D	daub	unidentified		33.6	D2	
7459	3085		869.59	991.43	13.00	D	daub	unidentified		606.5	D2	
7460	3097		869.42	992.23	12.80	D	daub	unidentified		1028.2	D2	
7461	3116					D	daub	unidentified		61.3	D2	
7462	3133					D	daub	unidentified		64.9	D2	
7463	3178	476				D	daub	unidentified		97.8	D2	
7464	3106		887.41	993.93	13.70	D	matrix	environmental	soil	92.8	X9	30g grab sample for pollen
7465	3038	476	882.52	992.9	13.40	D	matrix	environmental	soil	103.7	X9	30g grab sample for pollen
7466	3038		882.52	993.44	13.40	D	matrix	environmental	soil	85.4	X9	30g grab sample for pollen
7467	3109		868.63	991.44	12.60	D	matrix	environmental	soil	144.8	X9	30g grab sample for pollen
7468	3072		870.22	991.84	13.10	D	matrix	environmental	soil	91.2	X9	30g grab sample for pollen

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7469	3052		882.79	992.94	13.50	D	matrix	environmental	soil	68.8	X9	30g grab sample for pollen
7470	2957					D	matrix	environmental	soil	127.9	X9	30g grab sample for pollen
7471	3029		880.9	992.15	13.40	D	matrix	environmental	soil	65.8	X9	30g grab sample for pollen
7472	3055		883.09	992.72	13.50	D	matrix	environmental	soil	134.3	X9	30g grab sample for pollen
7473	3086		869.4	991.2	12.90	D	matrix	environmental	soil	77.9	X9	30g grab sample for pollen
7474	3032	476	883.04	993.15	13.60	D	matrix	environmental	soil	112	X9	30g grab sample for pollen
7475	3113		882.38	993.29	13.40	D	matrix	environmental	soil	125.4	X9	30g grab sample for pollen
7476	3029		880.87	993.13	13.50	D	matrix	environmental	soil	62.7	X9	30g grab sample for pollen
7477	3029		881.81	992.96	13.40	D	matrix	environmental	soil	88.8	X9	30g grab sample for pollen
7478	3016		868.51	992.32	12.70	D	matrix	environmental	soil	109.1	X9	30g grab sample for pollen
7479	3253					D	matrix	environmental	flot	25.1	X9	see sspr sf 7626
7480	3173					D	matrix	environmental	flot	6.1	X9	see sspr sf 7645
7481	3140					D	matrix	environmental	flot	1.3	X9	see sspr sf 7495
7482	3202					D	matrix	environmental	flot	17.4	X9	see sspr sf 7630
7483	3171					D	matrix	environmental	flot	1.4	X9	see sspr sf 7627
7484	2007					D	matrix	environmental	flot	5.1	X9	see sspr sf 7640
7485	3232	529				D	matrix	environmental	flot	4.2	X9	see sspr sf 7631
7486	3204					D	matrix	environmental	flot	1.2	X9	see sspr sf 7619



Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material Identity	Type	W (g)	Box	Description
7487	3192	527				D	matrix environmental	flot		X9	see sspr sf 7643
7488	3168					D	matrix environmental	flot	0.8	X9	see sspr sf 7622
7489	3080					D	matrix environmental	flot	2.7	X9	see sspr sf 7625
7490	3129	472				D	matrix environmental	flot	0.9	X9	see sspr sf 7641
7491	3191					D	matrix environmental	flot	1.5	X9	see sspr sf 7633
7492	3218					D	matrix environmental	flot		X9	see sspr sf 7628
7493	3198	529				D	matrix environmental	flot	12.5	X9	see sspr sf 7636
7494	3196	495				D	matrix environmental	flot	4.4	X9	see sspr sf 7637
7495	3140					D	matrix environmental	soil			20L sample for flotation
7496	3099					D	matrix environmental	flot	1.2	X9	see sspr sf 7623
7497	3252	529				D	matrix environmental	flot	37.3	X9	see sspr sf 7650
7498	3237	529				D	matrix environmental	flot	65.5	X9	see sspr sf 7644
7499	3050					D	matrix environmental	flot	7.3	X9	see sspr sf 7639
7500	3091					D	matrix environmental	flot	0.7	X9	see sspr sf 7647
7501	3086					D	matrix environmental	flot	7.7	X9	see sspr sf 7642
7502	2337					D	matrix environmental	flot	24.3	X9	see sspr sf 7634
7503	3049					D	matrix environmental	flot	5.5	X9	see sspr sf 7613
7504	2957					D	matrix environmental	flot	25.7	X9	see sspr sf 7517



Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material Identity	Type	W (g)	Box	Description
7505	3118					D	matrix environmental	flot		X9	see sspr sf 7618
7506	3155					D	matrix environmental	flot	4	X9	see sspr sf 7617
7507	3245					D	matrix environmental	flot	17.9	X9	see sspr sf 7648
7508	3243	532				D	matrix environmental	flot	60.1	X9	see sspr sf 7649
7509	2250					D	matrix environmental	flot	0.7	X9	see sspr sf 7621
7510	3082					D	matrix environmental	flot	0.7	X9	see sspr sf 7614
7511	3163					D	matrix environmental	flot	3.8	X9	see sspr sf 7635
7512	3167					D	matrix environmental	flot	5.4	X9	see sspr sf 7632
7513	3115					D	matrix environmental	flot	9.1	X9	see sspr sf 7638
7514	3106					D	matrix environmental	flot		X9	see sspr sf 7616
7515	3225	529				D	matrix environmental	flot	36.8	X9	see sspr sf 7646
7516	3016					D	matrix environmental	flot	0.6	X9	see sspr sf 7620
7517	2957					D	matrix environmental	soil			20L sample for flotation
7518	3066					D	matrix environmental	flot	4.1	X9	see sspr sf 7612
7519	2584	483				D	matrix dating	c14	23	X9	charcoal from fence
7520	3097					D	matrix dating	c14	3.1	X9	charcoal
7521	3229					D	matrix dating	c14	2	X9	charcoal
7522	3165					D	matrix dating	c14	0.8	X9	charcoal
7523	3116					D	matrix dating	c14	2	X9	charcoal
7524	3117					D	matrix dating	c14	0.6	X9	charcoal



Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7525	3164					D	matrix	dating	c14	0.8	X9	charcoal
7526	3165					D	matrix	dating	c14	1.2	X9	charcoal
7527	3013					D	matrix	dating	c14	0.3	X9	charcoal
7528	2517	467				D	matrix	dating	c14	1.7	X9	charcoal
7529	2335					D	matrix	dating	c14	9.1	X9	charcoal
7530	3145					D	matrix	dating	c14	4.6	X9	charcoal
7531	3126					D	matrix	dating	c14	0.2	X9	charcoal
7532	2339					D	matrix	dating	c14	1.7	X9	charcoal
7533	2007					D	matrix	dating	c14	4.7	X9	charcoal
7534	3156	527				D	matrix	dating	c14	1.6	X9	charcoal
7535	2996					D	matrix	dating	c14	0.7	X9	charcoal, sieved
7536	3183					D	matrix	dating	c14	1.9	X9	charcoal
7537	2527					D	matrix	dating	c14	0.6	X9	charcoal
7538	2337					D	matrix	dating	c14	1.2	X9	charcoal
7539	3083					D	matrix	dating	c14	6.6	X9	charcoal
7540	3135					D	matrix	dating	c14	1.1	X9	charcoal
7541	3059		883.32	993.61	13.50	D	matrix	environmental	soil	124	X9	30g grab sample for pollen
7542	3038	476	882.45	992.46	13.40	D	matrix	environmental	soil	89	X9	30g grab sample for pollen
7543	3133	476	882.71	991.91	13.40	D	matrix	environmental	soil	87.8	X9	30g grab sample for pollen
7544	3118		887.39	993.53	13.70	D	matrix	environmental	soil	119.9	X9	30g grab sample for pollen
7545	3122		867.6	991.72	12.60	D	matrix	environmental	soil	165	X9	30g grab sample for pollen
7546	3133	476	882.91	992.62	13.40	D	matrix	environmental	soil	74.6	X9	30g grab sample for pollen
7547	3218		868.54	991.31	12.60	D	matrix	environmental	soil	142.1	X9	30g grab sample for pollen

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7548	3044		883.22	993.78	13.60	D	matrix	environmental	soil	68.6	X9	30g grab sample for pollen
7549	3055		883.23	993.55	13.50	D	matrix	environmental	soil	74.9	X9	30g grab sample for pollen
7550	3055		882.88	992.08	13.50	D	matrix	environmental	soil	132.2	X9	30g grab sample for pollen
7551	3080		868.37	991.69	12.60	D	matrix	environmental	soil	105.7	X9	30g grab sample for pollen
7552	3066		870.38	992.16	13.10	D	matrix	environmental	soil	107.1	X9	30g grab sample for pollen
7553	2335		880.21	992.22	13.30	D	matrix	environmental	soil	107.3	X9	grid sample
7554	2335		882.06	991.34	13.30	D	matrix	environmental	soil	80.3	X9	grid sample
7555	2335		880.03	991.32	13.30	D	matrix	environmental	soil	104	X9	grid sample
7556	2335		880.68	991.92	13.40	D	matrix	environmental	soil	79.8	X9	grid sample
7557	2335		880.64	993.81	13.50	D	matrix	environmental	soil	85.3	X9	grid sample
7558	2335		881.11	992.26	13.40	D	matrix	environmental	soil	111.1	X9	grid sample
7559	2335		880.09	992.88	13.40	D	matrix	environmental	soil	80	X9	grid sample
7560	2335		880.08	991.31	13.40	D	matrix	environmental	soil	96.6	X9	grid sample
7561	2335		882.44	991.26	13.30	D	matrix	environmental	soil	85.3	X9	grid sample
7562	2335		882.5	992.76	13.40	D	matrix	environmental	soil	62.7	X9	grid sample
7563	2335		882.09	992.2	13.40	D	matrix	environmental	soil	113	X9	grid sample
7564	2335		881.56	992.23	13.40	D	matrix	environmental	soil	82.3	X9	grid sample
7565	2335		881.02	991.86	13.30	D	matrix	environmental	soil	70.4	X9	grid sample
7566	2335		882.03	991.82	13.40	D	matrix	environmental	soil	88	X9	grid sample
7567	2335		882.07	993.32	13.40	D	matrix	environmental	soil	74.4	X9	grid sample
7568	2335		881.09	993.32	13.40	D	matrix	environmental	soil	97.3	X9	grid sample
7569	2335		880.55	992.88	13.40	D	matrix	environmental	soil	90.7	X9	grid sample
7570	2335		880.6	992.24	13.40	D	matrix	environmental	soil	69.6	X9	grid sample
7571	2335		880.65	991.23	13.30	D	matrix	environmental	soil	69.5	X9	grid sample
7572	2335		880.12	991.79	13.40	D	matrix	environmental	soil	75	X9	grid sample
7573	2335		881.11	991.3	13.20	D	matrix	environmental	soil	93.1	X9	grid sample



Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7574	2335		881.58	991.31	13.20	D	matrix	environmental	soil	86.3	X9	grid sample
7575	2335		881.62	993.36	13.40	D	matrix	environmental	soil	81.4	X9	grid sample
7576	2335		882.64	993.31	13.40	D	matrix	environmental	soil	69.8	X9	grid sample
7577	2335		880.19	993.83	13.40	D	matrix	environmental	soil	86.8	X9	grid sample
7578	2335		882.81	991.34	13.40	D	matrix	environmental	soil	70.7	X9	grid sample
7579	2335		880.65	993.38	13.40	D	matrix	environmental	soil	137.8	X9	grid sample
7580	2335		881.64	992.82	13.40	D	matrix	environmental	soil	81.9	X9	grid sample
7581	2335		881.6	991.91	13.30	D	matrix	environmental	soil	57	X9	grid sample
7582	3083		885.77	992.7	14.00	D	matrix	environmental	soil	81.3	X9	grid sample
7583	3083		888.05	994.11	14.50	D	matrix	environmental	soil	65.6	X9	grid sample
7584	3083		884.73	992.37	14.30	D	matrix	environmental	soil	99.5	X9	grid sample
7585	3083		887.96	993.31	15.00	D	matrix	environmental	soil	92.6	X9	grid sample
7586	3083		886.4	993.16	14.30	D	matrix	environmental	soil	92.6	X9	grid sample
7587	3083		886.43	993.46	14.40	D	matrix	environmental	soil	105	X9	grid sample
7588	3083		887.88	992.41	14.50	D	matrix	environmental	soil	110.2	X9	grid sample
7589	3083		886.39	993.82	14.40	D	matrix	environmental	soil	121.4	X9	grid sample
7590	3083		887.35	993.44	14.50	D	matrix	environmental	soil	87.1	X9	grid sample
7591	3083		884.95	993.97	14.40	D	matrix	environmental	soil	110.3	X9	grid sample
7592	3083		886.39	992.46	14.00	D	matrix	environmental	soil	83.6	X9	grid sample
7593	3083		887.41	993.87	14.50	D	matrix	environmental	soil	142.1	X9	grid sample
7594	3083		886.97	993.84	14.50	D	matrix	environmental	soil	131.9	X9	grid sample
7595	3083		887.34	993.96	14.40	D	matrix	environmental	soil	82.1	X9	grid sample
7596	3083		886.95	993.36	14.50	D	matrix	environmental	soil	108.5	X9	grid sample
7597	3083		885.99	993.93	14.40	D	matrix	environmental	soil	79.7	X9	grid sample
7598	3083		884.42	993.47	14.30	D	matrix	environmental	soil	82	X9	grid sample
7599	3083		884.89	993.48	14.30	D	matrix	environmental	soil	82.1	X9	grid sample
7600	3083		887.8	992.88	14.50	D	matrix	environmental	soil	102.6	X9	grid sample
7601	3083		884.95	993.04	14.30	D	matrix	environmental	soil	88.9	X9	grid sample

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7602	3083		886.01	993.79	14.40	D	matrix	environmental	soil	131.3	X9	grid sample
7603	3083		887.43	992.38	14.30	D	matrix	environmental	soil	103.6	X9	grid sample
7604	3083		886.84	993.08	14.40	D	matrix	environmental	soil	90.8	X9	grid sample
7605	3083		886.92	992.36	14.10	D	matrix	environmental	soil	104.9	X9	grid sample
7606	3083		884.64	992.02	14.30	D	matrix	environmental	soil	135.1	X9	grid sample
7607	3083		873.32	993.03	14.30	D	matrix	environmental	soil	84.5	X9	grid sample
7608	3083		885.16	997.46	14.20	D	matrix	environmental	soil	113.8	X9	grid sample
7609	3083		885.87	993.53	14.40	D	matrix	environmental	soil	88.5	X9	grid sample
7610	3083		885.87	993.12	14.20	D	matrix	environmental	soil	83.9	X9	grid sample
7611	3151					D	matrix	environmental	soil			10L sample
7612	3066					D	matrix	environmental	soil			for flotation 10L sample
7613	3049					D	matrix	environmental	soil			for flotation 10L sample
7614	3082					D	matrix	environmental	soil			for flotation 10L sample
7615	3164					D	matrix	environmental	soil			for flotation 10L sample
7616	3106					D	matrix	environmental	soil			for flotation 10L sample
7617	3155					D	matrix	environmental	soil			for flotation 10L sample
7618	3118					D	matrix	environmental	soil			for flotation 10L sample
7619	3204					D	matrix	environmental	soil			for flotation 10L sample
7620	3016					D	matrix	environmental	soil			for flotation 10L sample
7621	2250					D	matrix	environmental	soil			for flotation 10L sample
7622	3168					D	matrix	environmental	soil			for flotation 10L sample
7623	3099					D	matrix	environmental	soil			for flotation 10L sample
7624	3164					D	matrix	environmental	flot	22.3	X9	for flotation see sspr sf 7615
7625	3080					D	matrix	environmental	soil			10L sample for flotation
7626	3253	529				D	matrix	environmental	soil			10L sample for flotation
7627	3171					D	matrix	environmental	soil			10L sample for flotation
7628	3218					D	matrix	environmental	soil			10L sample for flotation
7629	3102					D	matrix	environmental	soil			10L sample for flotation

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7630	3202					D	matrix	environmental	soil			10L sample
7631	3232	529				D	matrix	environmental	soil			for flotation 10L sample
7632	3167					D	matrix	environmental	soil			for flotation 10L sample
7633	3191					D	matrix	environmental	soil			for flotation 10L sample
7634	2337					D	matrix	environmental	soil			for flotation 10L sample
7635	3163					D	matrix	environmental	soil			for flotation 10L sample
7636	3198	529				D	matrix	environmental	soil			for flotation 10L sample
7637	3196	495				D	matrix	environmental	soil			for flotation 10L sample
7638	3115					D	matrix	environmental	soil			for flotation 10L sample
7639	3050					D	matrix	environmental	soil			for flotation 10L sample
7640	2007					D	matrix	environmental	soil			for flotation 10L sample
7641	3129	472				D	matrix	environmental	soil			for flotation 10L sample
7642	3086					D	matrix	environmental	soil			for flotation 10L sample
7643	3192	527				D	matrix	environmental	soil			for flotation 10L sample
7644	3237	529				D	matrix	environmental	soil			for flotation 10L sample
7645	3173					D	matrix	environmental	soil			for flotation 10L sample
7646	3225	529				D	matrix	environmental	soil			for flotation 10L sample
7647	3091					D	matrix	environmental	soil			for flotation 10L sample
7648	3245					D	matrix	environmental	soil			for flotation 10L sample
7649	3243	532				D	matrix	environmental	soil			for flotation 10L sample
7650	3252	529				D	matrix	environmental	soil			for flotation 10L sample
7651	3151					D	matrix	environmental	flot	1.4	X9	for flotation see sspr sf 7611
7652	3151					D	bone a	assemblage	mixed	13.3	BA29	sieved
7653	3151		869.98	1005.5	13.70	D	flint	waste	flake	2.3	F1	
7654	3151			1		D	stone o	utilised	pebble	14.2	SO10	
7655	3151		870.52	1003.8	13.70	D	stone o	utilised	pebble	3.9	SO10	
7656	3151			6		D	stone o	utilised	pebble	31.6	SO10	
7657	3151		870.25	1005.2	13.70	D	stone o	utilised	pebble	7.4	SO10	
				5								
			870.03	1005.0	13.70	D	stone o	utilised	pebble			
				7								
			869.97	1005.4	13.80	D	stone o	utilised	pebble			
				1								



Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7658	3151		870.31	1005.0	13.70	D	matrix	environmental	soil	141.2	X9	grid sample
7659	3151		869.06	1004.0	13.60	D	matrix	environmental	soil	343.9	X9	grid sample
7660	3151		869.73	1004.5	13.60	D	matrix	environmental	soil	301.2	X9	grid sample
7661	3151		869.67	1004.0	13.60	D	matrix	environmental	soil	220.9	X9	grid sample
7662	3151		870.08	1003.9	13.60	D	matrix	environmental	soil	192.6	X9	grid sample
7663	3151		870.22	1004.4	13.70	D	matrix	environmental	soil	211.4	X9	grid sample
7664	3151		869.63	1005.4	13.70	D	matrix	environmental	soil	233.4	X9	grid sample
7665	3157		869.68	992.97	12.70	D	bone o	stylus		2.6	BO1	
7666	3129	472	878.72	993.78	13.00	D	bone o	mattock tip	whale bone	143.1	BO1	
7667	3159		869.25	993.17	11.90	D	ceramic	crucible		12.8	CO9	
7668	3128					D	o ceramic	crucible		4.3	CO9	
7669	1000					D	o ceramic	pot (rim)	medieval	9	C2	unstratified
7670	3083					D	metal fe	blade	knife?	28.1	M9	
7671	3145					D	metal fe	nail?		1.4	M9	
7672	3029		881.39	991.75	13.30	D	metal cu	pin?		2.7	M9	
7673	3175	528	878.46	991.36	12.90	D	metal fe	blade	unidentified	14.4	M9	
7674	3243	532				D	metal cu	unidentified		0.7	M9	sieved
7675	3229		871.14	991.8	13.10	D	metal fe	unidentified		30	M9	2x fragments object (sickle?) sieved
7676	2491					D	metal fe	nail		8.6	M9	sieved
7677	3177		884.55	993.22	13.40	D	metal fe	nail		10.2	M9	
7678	3115					D	metal fe	nail?		9.2	M9	sieved
7679	3177		884.36	992.61	13.30	D	metal fe	nail		2.3	M9	
7680			868.26	993.44	12.80	D	metal cu	unidentified		1.3	M9	
7681	3140		884.2	993.44	13.40	D	metal fe	blade	knife	44.9	M9	fragment knife blade with tang
7682	2007					D	slag	ferrous	unidentified	527.3	SL23	
7683			885.21	993.1	13.40	D	slag	ferrous	unidentified	259	SL23	
7684	3097					D	slag	ferrous	unidentified	79.7	SL23	

Find No	CNo	FNo	East	North	Ht	Rec. Lev.	Material	Identity	Type	W (g)	Box	Description
7685	3152					D	slag	fuelash		104	SL23	
7686	3177		885.68	993.76	13.40	D	slag	ferrous	unidentified	490.5	SL23	
7687	3187					D	slag	ferrous	unidentified	267.7	SL23	
7688	3172					D	slag	fuelash		9.3	SL23	
7689	2677		886.83	992.05	13.50	D	slag	ferrous	unidentified	41.6	SL23	
7690	2335					D	slag	ferrous	unidentified	28.3	SL23	
7691	3150					D	slag	fuelash		21.4	SL23	
7692	3029					D	slag	ferrous	unidentified	63.6	SL23	
7693	2527					D	slag	unidentified		25	SL23	sieved
7694	2996					D	slag	ferrous	unidentified	12.6	SL23	
7695	3165					D	slag	assemblage	mixed	40.2	SL23	
7696	2007					D	slag	assemblage	mixed	55	SL23	
7697	3224					D	slag	fuelash		38.9	SL23	
7698	2117					D	slag	ferrous	unidentified	15.4	SL23	
7699	3177		884.44	992.31	13.40	D	slag	ferrous	unidentified	629.2	SL23	
7700	3156	527				D	slag	fuelash		3.6	SL23	
7701	3140					D	slag	fuelash		8.5	SL23	
7702	3200					D	slag	ferrous	unidentified	101.5	SL23	
7703	3169					D	slag	ferrous	unidentified	78.1	SL23	
7704	3135					D	slag	fuelash		1.9	SL23	
7705	3192	527				D	slag	fuelash		4.5	SL23	wet sieved
7706	3122					D	slag	fuelash		27.5	SL23	
7707	1000					A	slag	ferrous	unidentified	38.5	SL23	unstratified
7708	3140					D	slag	ferrous	unidentified	17.8	SL23	
7709	3058					D	slag	assemblage	mixed	16.6	SL23	
7710	3177					D	slag	fuelash		2.8	SL23	
7711	2117					D	slag	ferrous	unidentified	147.5	SL23	

APPENDIX F SAMPLE REGISTER

INTERVENTION 14

Find No	CNo	FNo	Identity	Type	Box No
4469	3070	519	environmental	grid	X7
4470	3078	519	environmental	grid	X7
4471	3070	519	environmental	grid	X7
4472	3069	519	environmental	grid	X7
4473	3090	519	environmental	grid	X7
4474	3078	519	environmental	grid	X7
4475	3028	519	environmental	grid	X7
4476	3028	519	environmental	grid	X7
4477	3078	519	environmental	grid	X7
4478	3028	519	environmental	grid	X7
4479	3090	519	environmental	grid	X7
4480	3090	519	environmental	grid	X7
4488	3153	434	environmental	pollen	X7
4489	3153	434	environmental	pollen	X7
4490	3153	434	environmental	pollen	X7
4491	3078	579	environmental	pollen	X7
4492	3064	579	environmental	pollen	X7
4493	3064	579	environmental	pollen	X7
4494	3170	-	environmental	pollen	X7
4495	3078	579	environmental	pollen	X7

INTERVENTION 24

Find No	CNo	FNo	Identity	Type	Box
7464	3106		environmental	pollen	X9
7465	3038	476	environmental	pollen	X9
7466	3038		environmental	pollen	X9
7467	3109		environmental	pollen	X9
7468	3072		environmental	pollen	X9
7469	3052		environmental	pollen	X9
7470	2957		environmental	pollen	X9
7471	3029		environmental	pollen	X9
7472	3055		environmental	pollen	X9
7473	3086		environmental	pollen	X9
7474	3032	476	environmental	pollen	X9
7475	3113		environmental	pollen	X9
7476	3029		environmental	pollen	X9
7477	3029		environmental	pollen	X9
7478	3016		environmental	pollen	X9

Find No	CNo	FNo	Identity	Type	Box
7495	3140		environmental	flot	
7517	2957		environmental	flot	
7541	3059		environmental	pollen	X9
7542	3038	476	environmental	pollen	X9
7543	3133	476	environmental	pollen	X9
7544	3118		environmental	pollen	X9
7545	3122		environmental	pollen	X9
7546	3133	476	environmental	pollen	X9
7547	3218		environmental	pollen	X9
7548	3044		environmental	pollen	X9
7549	3055		environmental	pollen	X9
7550	3055		environmental	pollen	X9
7551	3080		environmental	pollen	X9
7552	3066		environmental	pollen	X9
7553	2335		environmental	grid	X9
7554	2335		environmental	grid	X9
7555	2335		environmental	grid	X9
7556	2335		environmental	grid	X9
7557	2335		environmental	grid	X9
7558	2335		environmental	grid	X9
7559	2335		environmental	grid	X9
7560	2335		environmental	grid	X9
7561	2335		environmental	grid	X9
7562	2335		environmental	grid	X9
7563	2335		environmental	grid	X9
7564	2335		environmental	grid	X9
7565	2335		environmental	grid	X9
7566	2335		environmental	grid	X9
7567	2335		environmental	grid	X9
7568	2335		environmental	grid	X9
7569	2335		environmental	grid	X9
7570	2335		environmental	grid	X9
7571	2335		environmental	grid	X9
7572	2335		environmental	grid	X9
7573	2335		environmental	grid	X9
7574	2335		environmental	grid	X9
7575	2335		environmental	grid	X9
7576	2335		environmental	grid	X9
7577	2335		environmental	grid	X9
7578	2335		environmental	grid	X9
7579	2335		environmental	grid	X9
7580	2335		environmental	grid	X9
7581	2335		environmental	grid	X9



Find No	CNo	FNo	Identity	Type	Box
7582	3083		environmental	grid	X9
7583	3083		environmental	grid	X9
7584	3083		environmental	grid	X9
7585	3083		environmental	grid	X9
7586	3083		environmental	grid	X9
7587	3083		environmental	grid	X9
7588	3083		environmental	grid	X9
7589	3083		environmental	grid	X9
7590	3083		environmental	grid	X9
7591	3083		environmental	grid	X9
7592	3083		environmental	grid	X9
7593	3083		environmental	grid	X9
7594	3083		environmental	grid	X9
7595	3083		environmental	grid	X9
7596	3083		environmental	grid	X9
7597	3083		environmental	grid	X9
7598	3083		environmental	grid	X9
7599	3083		environmental	grid	X9
7600	3083		environmental	grid	X9
7601	3083		environmental	grid	X9
7602	3083		environmental	grid	X9
7603	3083		environmental	grid	X9
7604	3083		environmental	grid	X9
7605	3083		environmental	grid	X9
7606	3083		environmental	grid	X9
7607	3083		environmental	grid	X9
7608	3083		environmental	grid	X9
7609	3083		environmental	grid	X9
7610	3083		environmental	grid	X9
7611	3151		environmental	flot	
7612	3066		environmental	flot	
7613	3049		environmental	flot	
7614	3082		environmental	flot	
7615	3164		environmental	flot	
7616	3106		environmental	flot	
7617	3155		environmental	flot	
7618	3118		environmental	flot	
7619	3204		environmental	flot	
7620	3016		environmental	flot	
7621	2250		environmental	flot	
7622	3168		environmental	flot	
7623	3099		environmental	flot	
7625	3080		environmental	flot	

Find No	CNo	FNo	Identity	Type	Box
7626	3253	529	environmental	flot	
7627	3171		environmental	flot	
7628	3218		environmental	flot	
7629	3102		environmental	flot	
7630	3202		environmental	flot	
7631	3232	529	environmental	flot	
7632	3167		environmental	flot	
7633	3191		environmental	flot	
7634	2337		environmental	flot	
7635	3163		environmental	flot	
7636	3198	529	environmental	flot	
7637	3196	495	environmental	flot	
7638	3115		environmental	flot	
7639	3050		environmental	flot	
7640	2007		environmental	flot	
7641	3129	472	environmental	flot	
7642	3086		environmental	flot	
7643	3192	527	environmental	flot	
7644	3237	529	environmental	flot	
7645	3173		environmental	flot	
7646	3225	529	environmental	flot	
7647	3091		environmental	flot	
7648	3245		environmental	flot	
7649	3243	532	environmental	flot	
7650	3252	529	environmental	flot	
7658	3151		environmental	grid	X9
7659	3151		environmental	grid	X9
7660	3151		environmental	grid	X9
7661	3151		environmental	grid	X9
7662	3151		environmental	grid	X9
7663	3151		environmental	grid	X9
7664	3151		environmental	grid	X9





FIELD ARCHAEOLOGY SPECIALISTS LTD

Unit A3 Parkside Centre
Terry Avenue
York YO23 1JP

TELEPHONE (01904) 652000
FASCIMILE (01904) 656222
fas@fieldarchaeologyspecialists.co.uk