

# **Excavations on Marefair, Northampton, 1977**

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Microfiche Section

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## THE SITE

### INTRODUCTION

#### LAYER LIST

The layer list format and primary number system adopted in the St Peter's report are also used here; an extract from that report summarises the system :

'The layer list is arranged in columns : Layer no., Phase, Description and Finds. The layer number is that employed on site but not all site layer numbers are listed. Layers which have subsequently been 'destratified' have been omitted and layers which have been combined with other layers are grouped with the primary number for that layer, e.g. I6 = (24, 25) where I6 is the primary number for that layer and 24 and 25 have been amalgamated with I6. 24 and 25 do not appear in the layer list in their own right. Any reference to the site numbers I6, 24 or 25 will in the text be to I6. Various discrete layers have the same stratigraphical relationships as each other; thus a group of post-holes may cut the same level and be overlaid by the same level. In the layer list each post-hole would retain its own number and be placed in the list according to its number. The first number of the group remains unbracketed but is followed in the description (without an = sign; c.f. above) by those numbers, in brackets, which have the same stratigraphical relationships. Later numbers, when they appear in the list, are bracketed and are followed in the description by an unbracketed number which is the first layer number of the group. It is this first number only which appears on the sequence diagram, but all other references refer to the actual layer concerned. Thus the unbracketed numbers in column I with a few exceptions, are those which appear on the sequence diagrams.' (Williams 1979 : IO )

#### SEQUENCE DIAGRAM

The sequence diagram also adheres to the rules described previously :

- ' a) not all relationships are shown but only the longest path between any two related layers.
  - b) a layer only has a relationship with another layer if the path between the two layers is up or up and horizontal (or conversely, down or down and horizontal), the connecting path may not move both up and down.'
- (Williams 1979 : II )

## PHASE I (Fig. MI)

Layers B260, B26I and B278 were artificial spits removed successively over the N part of Area B and composed of yellowish brown sand with concentrations of dark brown sand.

All of the possible features identified were represented by darker brown sand in yellowish brown sand. The pattern of linear markings (B27I-2, 279, 280) and ??? post-holes (B268-70) appeared to be more regular than would be expected from natural phenomena but were thought during excavation to be differences within the sand and not cut features. B30I was a more convincing cut but extremely irregular (? pit/tree-hole).

Phase I produced a single Roman sherd and also a number of flints. Definite prehistoric features were identified in levels of very similar composition on the nearby Chalk Lane site (NDC Site Ref. MI39).

## PHASE 2 (Fig. 5 - 6)

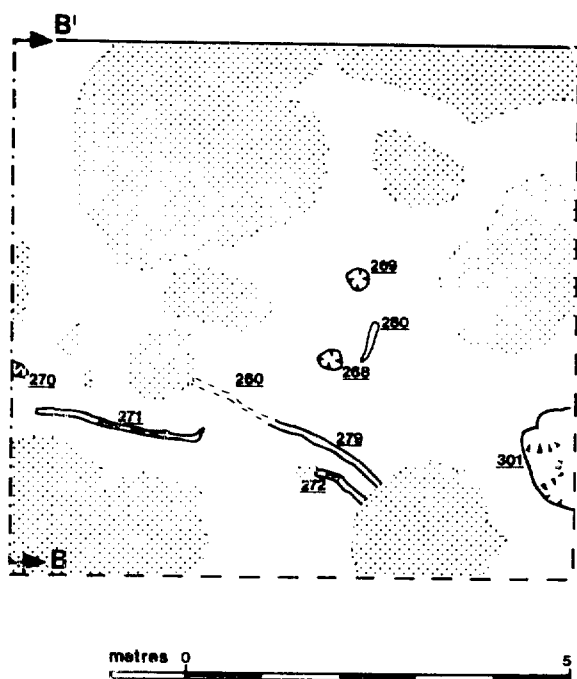
### THE TIMBER BUILDINGS IN AREA B

Soil colour differences were noted in area B, in the area of the Phase 2 slots, in layers A223 (Phase 5) and A224 (Phase 3). Nevertheless the phasing as presented is believed to be valid because :

- a) definite cuts for the slots were only identified in A377 (Phase 2);
- b) the pottery evidence shows that if the features here regarded as Phase 2 (i.e. including the slots) are taken together, only one sherd of Late Saxon pottery amongst 24 Roman and Early/Middle Saxon sherds is present;
- c) the slot A407, very similar in character and fill to the slots in trench B, was cut from the surface of A377. The surface indications in later levels, therefore, are interpreted as probably slumping in to the slots below, further confused perhaps by the wall A10 in this area in Phase IIA.

The method of excavation of Slot A (BI88) was as follows : the upper fill (BI88/B255) was removed carefully with the use of many sections until a depth was reached at which features could be identified; these features were excavated, and the lower fill (B293) also removed; at this stage further features were seen cutting the bottom of the slot.

# Phase 1



NB: B nos 291

Fig M1

4 11

The complex nature of the slot fill, however, almost certainly means that the level at which features were seen was somewhat arbitrary and not necessarily related to their true stratigraphic position.

The average width of the northern arm of the slot was c 0.9 - 1.0m while the eastern arm was narrower - c 0.6 - 0.7m. The average depth of the northern arm was c 0.3m without posts, and c 0.5m with posts. The average depth of the eastern arm was c 0.3 - 0.4m. Slot B was certainly later than Slot A, and rather less substantial (average depth - c 0.8 - 0.13m; average width c 0.70 - 0.80m) and of simple post-in-slot type. The fill of dark yellowish brown to yellowish brown silty sand was very similar to Slot A and there were traces of mortar/plaster.

The relationship between Slots B and C was not conclusively determined due to the very difficult nature of the fill. The cross-section excavated showed that possibly Slot B may have cut Slot C, although by the level planned in Fig. 6 they were independent cuts. No relationship was identified between Slot C and Slot A.

At its east end, Slot C was c 0.6m in width, and c 0.10 - 0.20m deep. All of the internal features were filled with the same material as the slot except for BI66 which was heavily charcoal flecked. If Slot C is taken as a distinct structural feature it functioned with a single row of very closely spaced posts along the middle of the slot. It is possible to argue, however, on the basis of the plan that perhaps Slots B and C were two sides of a single slot of similar proportions and character to the earlier Slot A with its posts down either edge. It seems most probable, however, that Slots B and C were two phases of reconstruction following Slot A.

#### POST-HOLES AND OTHER FEATURES IN AREA B

Clear building plans are not evident in the pattern of the Phase 2 post-holes and they presumably indicate the presence of subsidiary buildings and fences to the rear of the more substantial timber structure. A N-S alignment of posts is evident on the E edge of the trench (BI71-I77 etc) apparently respecting the E wall of the timber building. The large shallow pit BI58.2 in the NE corner of the site, although a possible post was found on its SE edge, produced insufficient evidence to suggest that it may have been part of a Grubenhau.

## TIMBER BUILDING IN AREA A

Slot A407 was c 350mm deep, c 800mm wide (i.e. comparable to Slot A in Area B) and excavated over a 1.6m length. The fill consisted mainly of dark brown sand but there was a thin skin at the bottom of yellow and brown sand. A single substantial post-hole A409 was identified (diam c 250mm; depth below bottom of gully c 250-300mm) and two small ??? post-holes (A403-4) cut the upper fill but may in fact have been localised pockets of different fill. The slot in Area A, therefore, was not as complex as the slots in Area B, and probably functioned as a single post-in-trench construction.

### PHASE 3

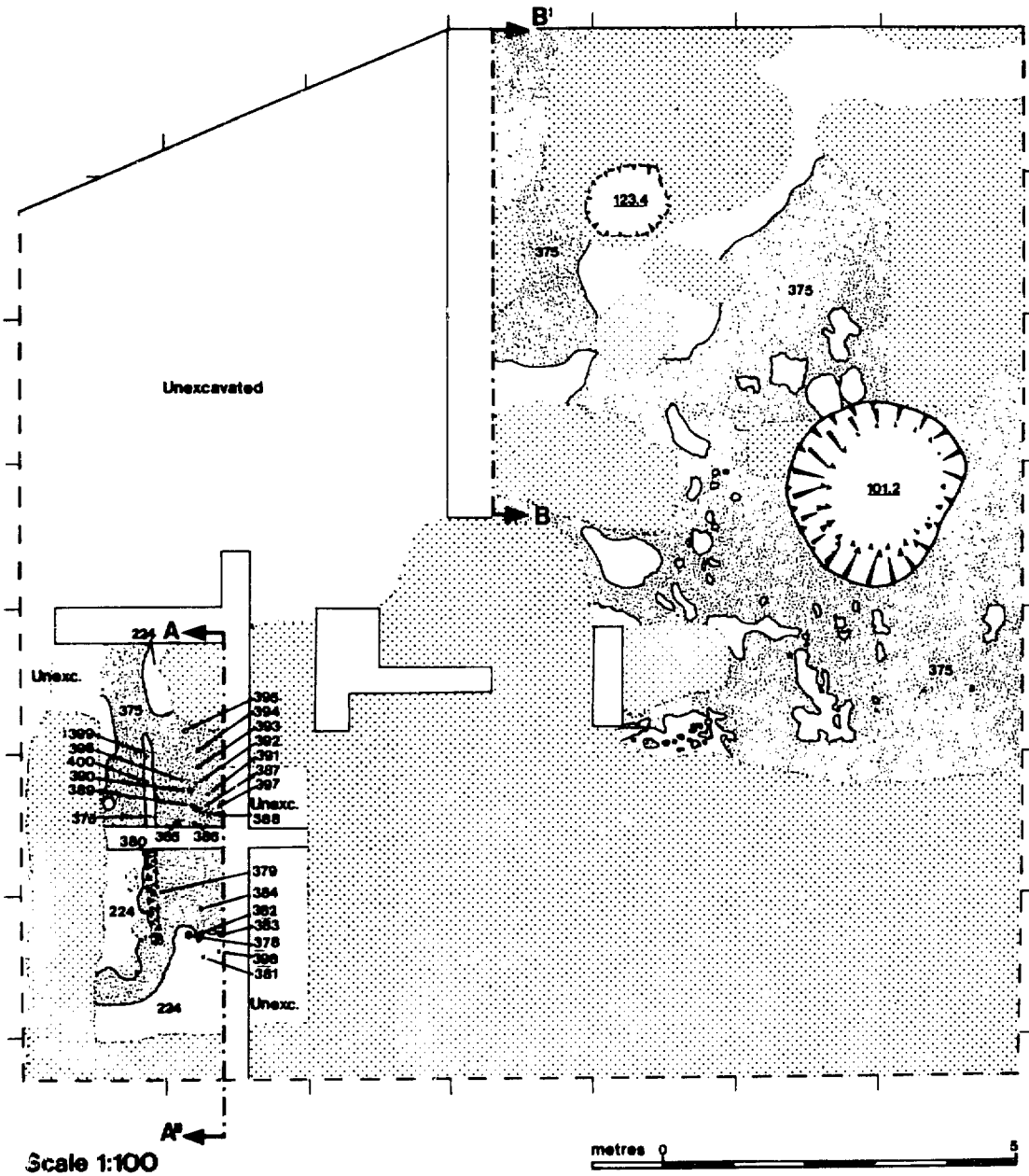
Deposit A224 was composed of homogeneous dark brown silty sand and occurred over all areas excavated to this depth. Such a deep (c 2-300mm) and extensive layer seems unlikely to have been a deliberate spread at the beginning of the next phase of building (Phase 4) and seems more likely to have been a natural accumulation after Phase 2 structures went out of use. A224 is treated as a phase in its own right due to these problems of interpretation. The surface of A224, however, is probably a significant horizon since features cut from this level and it was here that the iron-pan A375 formed (Phase 4). The problems relating to the interpretation of iron-pan are discussed below (Phase 4).

### PHASE 4 (Fig. M2)

It appears that iron-pan may form arbitrarily down the sides of cut features or across the fills, producing an archaeological situation where some features appear to 'cut' the iron-pan while others are 'sealed' when all are or could be contemporary. In this phase features are included which seem to be related although they may have been sealed by the iron-pan A375, or cut the layer below and been sealed by the layer above it. Detailed relationships can be seen in the Sequence Diagram (Fig. 3).

In Phase 4 a timber may have been represented by a strip of charcoal c 100mm wide (A376) running N-S, and not overlaid by iron-pan A375. The line of A376 continued S of the E-W baulk as a slight hollow in which iron-pan had formed. This example illustrates the difficulties discussed above since the iron-pan appears in this case across part of a feature but not all of it.

# Phase 4



Scale 1:100

NB: A nos 388; B nos 121.2

Fig M2



A376 may have been a fallen timber, or possibly a sill-beam. The 'cut' into the ground was very shallow and perhaps could have been caused by a fallen timber settling. On the other hand the alignment of the timber at 90° to the street frontage suggests that it was part of a building related to the street. Similarly the concentrations of charcoal, ? stake-holes, to the east seems to respect the line of the timber. Four holes along the line of A376 (A379-80, 399-400) varied in depth from 60-100mm. It is difficult to see how these relate to A376 unless they are earlier stake-holes replaced by the beam.

#### PHASE 6 (Fig. M3)

##### AREA A

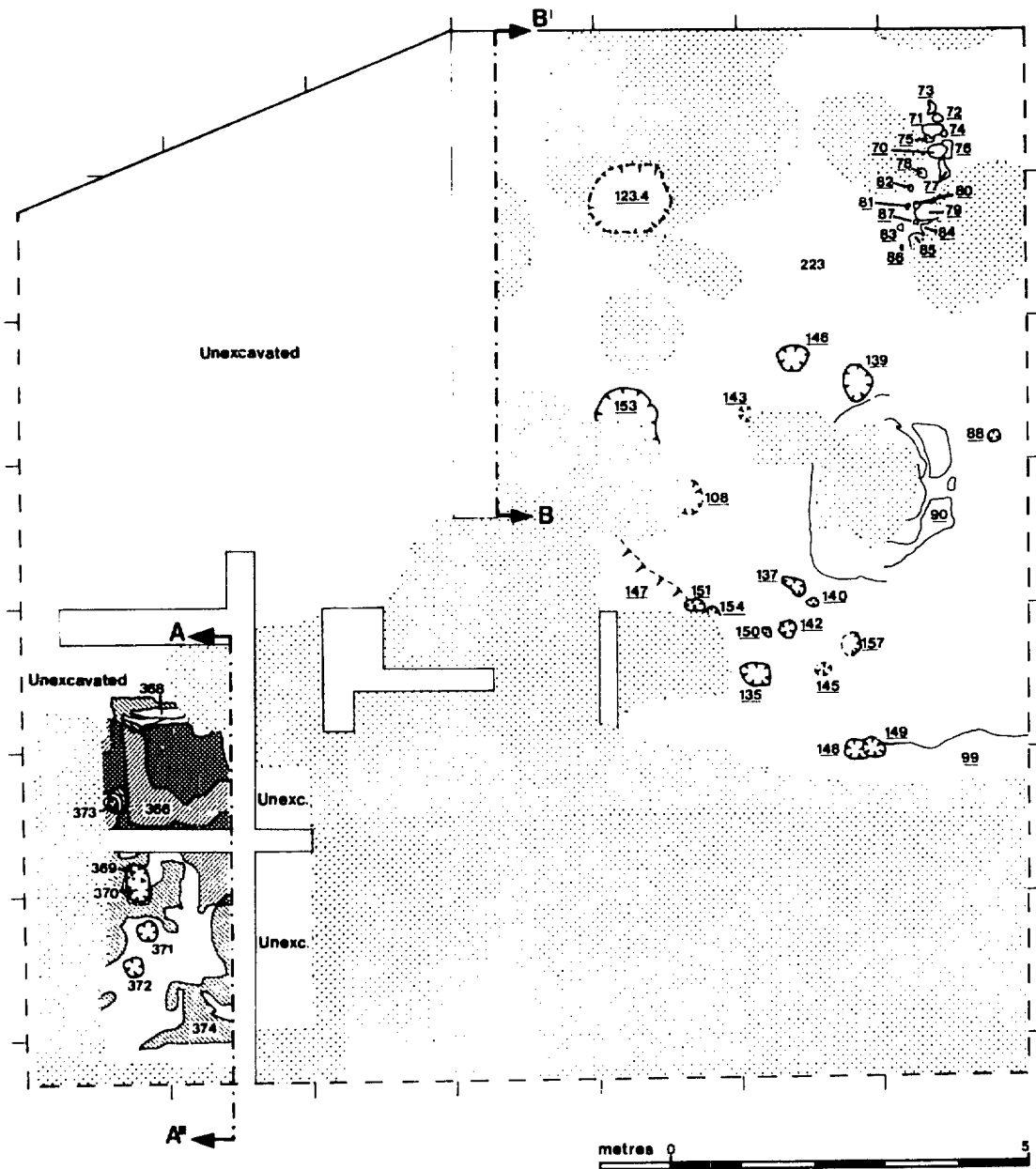
Layer A374 (a lens of loam) overlaid A223 (Phase 5) but may have been part of it. A366 (over A374) was clearly a burnt surface of some kind, possibly a floor. A group of closely spaced post-holes (A369-72) in a roughly N-S line, were apparently later than A374, although this was a very thin layer and could have been eroded. The relationship of the post-holes to A366 was not determined but it is interesting that the north part of A366 extended both to the east and west of the posts.

##### AREA B

Since A223 in Area B was extremely mottled structural features were difficult to identify. Almost all of the possible post-holes could have been either - (1) natural differences within A223; (2) or non-structural depressions in A223 filled with A222, the layer above (Phase 7).

The first possibility is represented by <sup>?</sup>post-holes in the southern area of the trench, filled with grayish brown to dark brown silt. The only reasonably clear features were B88, I08, I35, I39, I46. If all the possible features are taken into account, there seems to be a possible NW-SE/NE-SW alignment, with NW-SE lines formed by B I46, I39, 88 and BI37, I40, I57/I51, I54, I50, I42, I45, I35, I48, I49, and a NE-SW line by I08, I43, I46. Clearly, however, the surviving evidence may have been misleading since such large areas of the trench were sterilised by later pits.

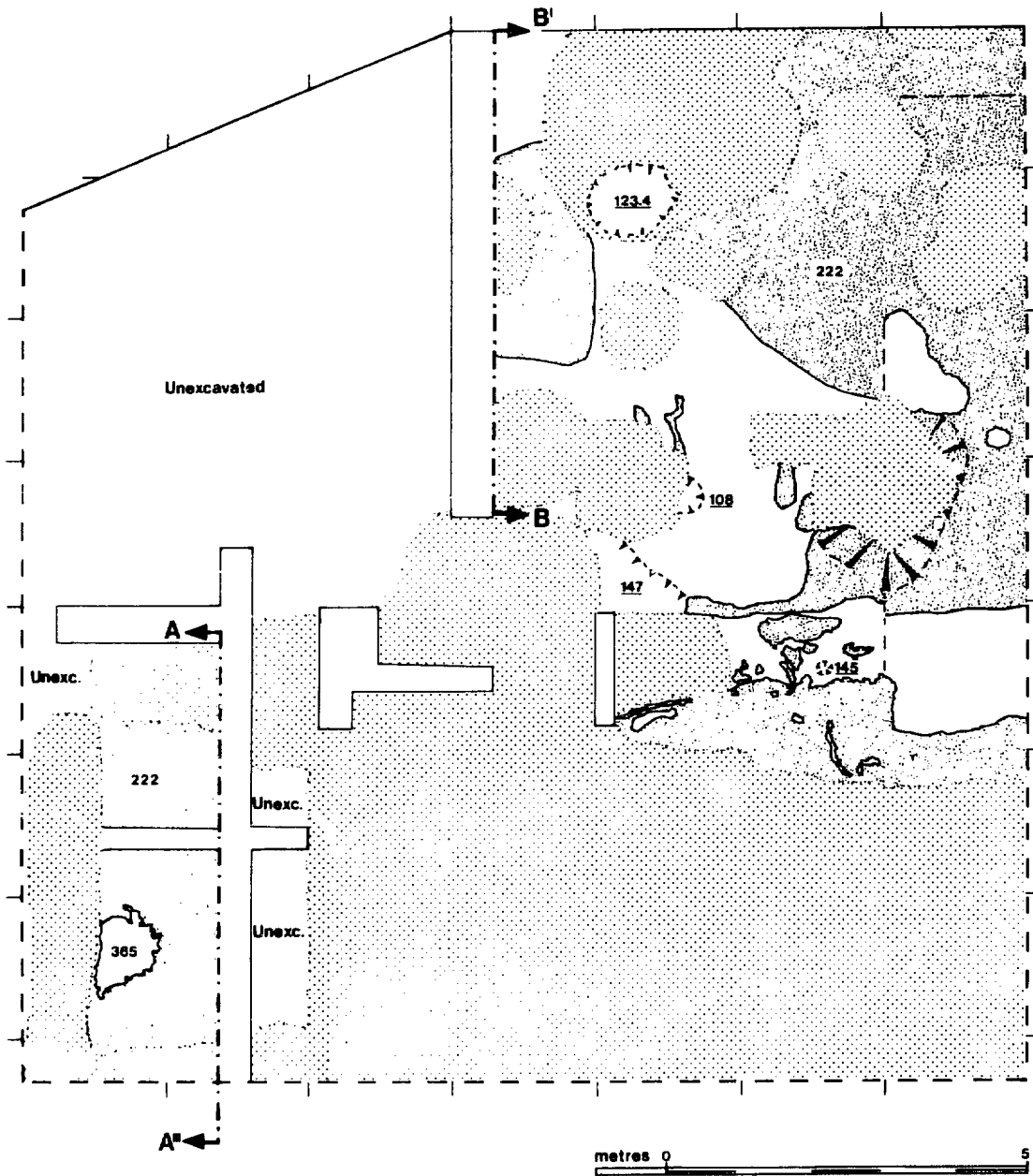
# Phase 6



NB: A nos 371; B nos 150

Fig M3

# Phase 7

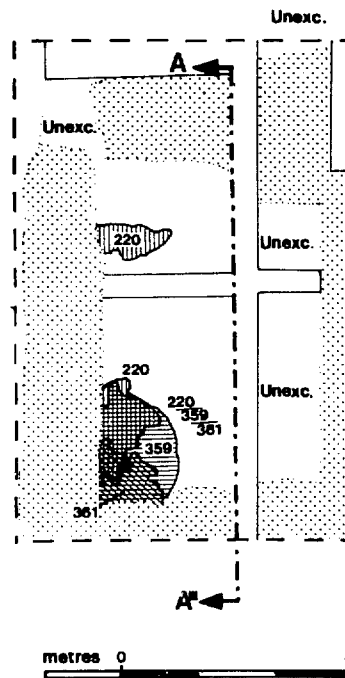


NB: A nos 365; B nos 147

Fig M4

M4

# Phase 9

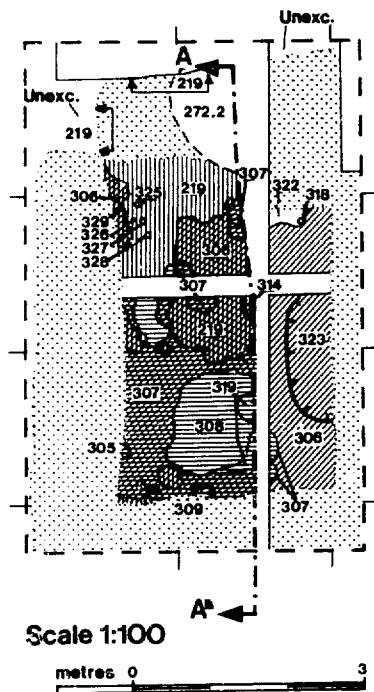


NB:A nos 220

Fig M5

MS

# Phase 10



NB:A nos 309

Fig M6

M/C

The concentration of ??? post-holes (B70-86) in the NE corner of the trench belongs to the second category discussed above, depressions filled with A222. They were all fairly shallow, irregular in shape, and formed no coherent plan, perhaps surviving, from light fencing.

Various other features including pits and BI28, a layer of ironstone rubble, may be associated with this phase. There appears to be little relationship between Phase 6 in Area A and in Area B other than the stratigraphical position of the layers/features between A223 (Phase 5) and A222 (Phase 7). Layers A374 and A366 were not identified in B; the post-holes in A were much more convincing than in B and seemed to respect a N-S line.

## PHASE II (Fig. 7)

### PHASE IIA STONE WALLS

A room fronting on to Marefair was enclosed by walls to the east (AI38), south (A97), and west (A92.2), the latter line extending some distance presumably as a property boundary (A2II). On the N side of the room, the wall had been robbed (A280- Phase ? IICii) but the same wall line survived in situ farther to the east (AIO).

A97 formed the Marefair frontage of the room. The east wall AI38 abutted A97 and although A295, the construction trench for AI38, cut A279, the construction trench for A97, since layer A278 sealed both, it is likely that the two walls were closely contemporary. The lack of bonding between A97 and AI38 suggests that the latter served merely as an internal partition.

The west wall A92 produced problems in excavation. It was originally thought that the construction trench AI2I cut AI08 (Phase I3, floor) the wall, therefore, being inserted at this point. It subsequently became clear that the original build of A92 was much earlier and that AI2I must have been part of a re-construction phase associated with floor AI08 which had been eroded across the top of it. It is argued here that the earliest build of wall A92 is in fact associated with Phase II. As a result of the error in interpretation noted above, wall A92 was removed at the same time as other features relating to Phase I3. It has been necessary in the sequence diagram to subdivide A92 into A92.I - the Phase I3 wall as originally interpreted, and A92.2 - the hypothetical Phase II wall removed with A92.I.

Above the level of the floor surface in the room, a probable N-S butt joint was seen between walls A97 and A92, suggesting that A92 was the later. Lens A292 around the SE corner of A92 was thought at the time of excavation to be a construction trench for A92. The fill abutted A97, A292 presumably having cut A97, and A92 apparently set in A292. It is argued here, and suggested on the sequence diagram that A292 must have been associated with the hypothetical original build of wall A92 (i.e. A92.2 - see above). Nevertheless the case must be argued with caution not only because of the difficulties of interpretation noted above, but also the limitations of excavating deep foundations immediately adjacent to a modern road.

Wall A2II is interpreted as the continuation of wall A92.2 as the property boundary. Although there was a gap between the two stretches of wall, the foundations of both walls at this point were of similar, much more shallow depths than either to the north or south, and indeed the depth of the robber A280 at this junction was also less substantial than to the east. This suggests firstly and most obviously that there was not the same need for deep foundations here as elsewhere (e.g. consolidation of earlier pits), but more relevant to the present argument is the indication that the three walls were closely related.

The north wall of the building was robbed by A280, but a short length of its continuation to the east survived (A10). Layer A320 was probably a construction trench for the wall and while the level from which it cut was not absolutely clear, it was probably overlaid by A278, and certainly by A159. (A278 and A159 were the two layers within the Phase II room). Levels below A278 (except A306, patchy) did not respect the line of the wall but extended beyond it to the north. There must have been a butt joint above ground level between the original wall (A10) and A92.2 since the robber A280 stopped on a line with the east face of A92. Possibly A92.2 was a pre-existing property boundary wall against which the structure was built.

#### DISCUSSION OF FEATURES B4 AND B25

Two features at the south end of Trial Trench B caused some problems during excavation : a small feature B4, and a narrow cut B25. The two sections at this point subsequently showed cuts continuing either side, both approximately 600mm deep. It is argued, therefore, that B4 and B25 were incorrectly identified and should be combined as a single linear feature, hereafter referred to as B4.

Two possible interpretations seem likely :

- (1) that B4 was the robbed continuation of wall line A280/A10 (Phase II) probably in part removed by wall A9 (Phase I3)
- (2) that it was a substantial construction trench for wall A9 (Phase I3).

The level from which B4 cut does not assist in the argument since both features can only be said to be probably earlier than wall A9 (Phase I3) which would be consistent with both interpretations. Again either argument fits the plan of the features reasonably well.

It is useful to compare readings of absolute heights :

(1) Cut from

|                                 |                |
|---------------------------------|----------------|
| Trial Trench B,W section B4     | I.I below TBM  |
| Trial Trench B,E section B4     | I.38 below TBM |
| Robber A280, main house section | I.I below TBM  |

(2) Cut to

|                                    |                       |
|------------------------------------|-----------------------|
| Trial Trench B,W section B4        | I.75 below TBM        |
| Trial Trench B, E section B4       | 2.08 below TBM        |
| Robber A280, in Trench B           | 3.01 below TBM        |
| Robber A280, in main house section | 2.7 below TBM         |
| Robber A230, at E end              | 1.80 - 1.94 below TBM |

A comparison of the spot heights indicates that the absolute height from which B4 cut is consistent with the robber to the west; again the depths of B4 and A280 at its extreme west end (at junction with A92) are consistent while the middle section of the robber is of greater depth. On balance it is perhaps more likely that B4 is a continuation of wall A280/A10 (Phase II) given that the absolute heights and alignment are consistent, and that the cut is rather more substantial than might be expected for a construction trench for wall A9 (Phase I3Ai).

PHASE I3 (Fig. 9)

PHASE I3Ai WALLS

The S wall of Phase IIA (A97) was re-used in Phase I3. The second phase



of the west wall (A92.I) was probably built at this time, and the continuation to the north as a property boundary was also reconstructed (A90). A90 seemed to be bonded in to a cellar wall to the west (A93=90), although the latter was not fully excavated. The north wall was rebuilt (A91.I) and the position of a doorway through the centre of the wall is attested by ? thresholds added on the north (A91.3) and south (A91.2) sides. The wall (as in Phase II) could be traced to the east into Area B (A9). There was a butt joint between walls A91.I and A92.I, as was possibly the case in Phase II. This factor, and the cellar wall bonded into A90 and extending to the west may support the suggestion that the wall line of A90 was a boundary built by the property to the west and against which walls belonging to the property under investigation were butted. No east wall was built on the line of AI38 (Phase IIA), which was sealed by Phase I3 levels.

#### PHASE I3 AND ?LATER FEATURES IN THE YARD (Fig 9)

Walls A86/A87 indicated further rooms or subsidiary structures attached to the rear of the building. Between wall A86 and wall A90 a sequence of patchy metallised and soil surfaces was found, probably of a yard leading to the pit complexes described below. This area certainly seems to have been an outside yard in the latest buildings on the site.

Several unusual pits to the rear of the building can be fitted into the structural sequence only as later than the drying-oven AI70 (Phase I2i) and earlier than the latest post-medieval buildings on the site. Since the abandonment of the oven and cutting of the pits necessitated a radical re-arrangement of the yard, it is possible that the change occurred at roughly the same time as the re-building of the structure in Phase I3, but modifications may have continued through to the latest period.

A stone-lined pit AI77 must have been later than the drying-oven and it is suggested that two small square pits, AI80, although definitely only later than IIC levels and earlier than the square pit AI94/208, are probably related.

The large square pit AI94/208 cut the AI80 group and was also stone lined, but to a greater depth on the south and east sides where it cut through an earlier pit. A possible drain outlet (A(2I4)=2II) through wall A2II (Phase IIA) appeared to feed into the square pit suggesting that it may have been a drainage/cess pit. Presumably either the drain was inserted into wall A2II, or there may

have been an earlier pit in the same place, of similar function. At a later stage a semi-circle of stone lining (AI96) was set in the square pit, forming a smaller pit in one half of it. The latest feature in this complex appeared to be a post-medieval well, and possibly AI96 was an earlier phase of this.

#### PHASE ?I3 OR PRE-I3 (Fig. 9)

The central area on the S side of the excavation was removed by machine. Contexts here can be said to have been only possibly Phase I3 or ?Pre-Phase I3. and were not examined over a large enough area to produce a meaningful interpretation. Although these deposits are not discussed in detail, wall A68 and ? robber A63 are indicated in Fig. 9 as possibly related to the later phases of stone building. The wall itself does not clearly tie in with any other evidence although it can be said to have been on an alignment roughly comparable with A87.

#### AREA A - WEST OF WALL A90/A2II

West of wall A90/A2II (Phase I3, Phase II), cellars adjacent to Marefair sterilised the trench for c 8m to the N, leaving an area only c 1.2m by c 3.5m which itself was cut by a large modern drain.

Investigation of this area produced an internal sequence which can only be linked with the main sequence very loosely, largely on the basis of the pottery evidence (see sequence diagram - Fig. 9). In such a small area, no meaningful interpretation can be made of the features and they are not discussed here. Detailed records are present in the archive.

## LAYER LIST

### ABBREVIATIONS

#### Layer Description

|    |                            |      |                         |
|----|----------------------------|------|-------------------------|
| CF | Charcoal flecks/fragments  | NOP  | Not on plan             |
| CT | Construction trench        | NOSD | Not on sequence diagram |
| D  | Depth                      | P    | Pit                     |
| E  | East                       | PH   | Post-hole               |
| IF | Ironstone flecks/fragments | S    | South                   |
| L  | Layer                      | SH   | Stake-hole              |
| LF | Limestone flecks/fragments | Sec  | Secondary sequence      |
| M  | Main sequence              | TS   | Timber slot             |
| MF | Mortar flecks/fragments    | W    | West                    |
| N  | North                      |      |                         |

#### The Finds

|     |                               |     |   |
|-----|-------------------------------|-----|---|
| AF  | architectural fragments       | fs  | forging slag < 100gm                    |
| BTS | bloomery tap slag > 100gm     | GL  | glass                                   |
| bts | bloomery tap slag < 100gm     | H   | hone                                    |
| C   | coal                          | M   | mortar sample                           |
| CH  | charcoal                      | NF  | non-ferrous slag                        |
| CL  | 'clinker' > 100gm             | Nu  | coin or counter                         |
| cl  | 'clinker' < 100gm             | Pb  | lead alloy object                       |
| CP  | clay pipes                    | PR  | plant remains                           |
| CR  | crucible fragment             | SFL | slag impregnated furnace lining > 100gm |
| Cu  | copper alloy object           | sfl | slag impregnated furnace lining < 100gm |
| Fe  | iron object                   | ST  | stone object                            |
| FeS | iron scrap fragment           | SW  | spindle whorl                           |
| FHB | forging hearth bottom > 100gm | T   | textile                                 |
| fhb | forging hearth bottom < 100gm | WB  | worked bone                             |
| FS  | forging slag > 100gm          | WD  | wood                                    |

NB In this report the layer list omits not only unstratified numbers but also Phase post-13 numbers since these levels were not excavated in detail and are not discussed in detail in either the excavation or the finds report.

AREA A

| Layer no | Phase         | Description   | Finds |
|----------|---------------|---|-------|
| A3.3     | 12i<br>Yard   | =(178,239,243). Main. L. Surface of large slabs slabs of ironstone and limestone. Some slabs pitched at irregular angles around E edge of back-filled drying oven A170. One large slab pitched vertically against NE outside face of pit A172 suggesting that slabs from A178 were re-used in A172 (Phase post-13).   |       |
| A9       | 13Ai<br>House | =(A11,B42). Main. Wall. Mostly ironstone blocks, occasional limestone. Roughly squared blocks on wall faces. Small irregular lumps in core. Matrix brown-dark brown (7.5YR 4/4, 10YR 3/3), loam, soft; also light gray-gray-dark grayish brown (10YR 6/1-5/1,4/2) clay.   |       |
| A10      | 11A<br>House  | =(B43,109,110). Main. A10. Wall. W-E. Mostly ironstone blocks, occasional limestone; large well-squared blocks on faces; smaller irregular blocks in core. Matrix dark brown-dark yellowish brown (10YR 3/3-3/4), loam.<br>B109. Wall. N-S. B109 possibly cut A10 but could not be conclusively demonstrated, and in any case 2 walls appear to be closely contemporary. Mostly ironstone blocks with rare limestone; some very large blocks (c500mm x 300mm x 400mm) particularly on S face; smaller blocks (c300mm x 200mm) more irregular in shape on N face; small irregular blocks packing middle between larger stones; masonry one course deep. Matrix of brown-dark brown-dark yellowish brown (10YR 4/3, 3/3,3/4), loam, soft. | SFL   |
| A17.1    | 13<br>Yard    | Main. ?Wall. Several large blocks of ironstone and limestone. Matrix of brown-dark brown (10YR 4/3), loam.  |       |
| A17.2    | 13<br>Yard    | Main. ?Wall. Several large blocks of ironstone and limestone. Matrix of brown-dark brown (10YR 4/3), loam.  |       |

| Layer No | Phase               | Description   | Findings                       |
|----------|---------------------|---|--------------------------------|
| A26      | ?13 or post-13      | Sec. L. Green brown loam with some cobbling from earlier level showing through (=A65). NOP  |                                |
| A56      | 13B House           | Main. L. Brown - dark brown (10YR 4/3), loam, mixed, loose, patchy; patches/flecks mixed red yellow green clay, hard-packed. NOP.   | GL15,68                        |
| A59      | 13 Yard             | Main. Wall. Large squared blocks of ironstone and limestone. Matrix dark brown (10YR 3/3), loam.  |                                |
| A62      | 13B House           | Main. L. Orange, sand. NOP.   | Nu7;Cu53;Fe50-2,S;fs;H5;CP11;C |
| A63      | ?13 or post-13      | =(259) Sec. ?Robber trench. A63.1: dark grayish brown (10YR 4/2) clay, many frags of mortar and ironstone. A63.2: very dark grayish brown (10YR 3/2) clay-loam.           | Nu8;Cu36;GL38.                 |
| A64      | ?13                 | Sec. L. Small slabs ironstone and limestone. Irregularly laid. NOP.   |                                |
| A65      | ?13                 | =(66,71). Sec. L. A65: surface of small irregularly laid blocks of ironstone. A66 and A71: surfaces of large slabs of ironstone and limestone.                            |                                |
| A68      | ?13                 | =(78) Sec. Wall. Several large blocks ironstone and limestone. Matrix very dark grayish brown (10YR 3/2), loam, loose and some frags brownish yellow (10YR 6/8), plaster. |                                |
| A69      | ?13                 | Sec. PH. Right-angle setting of medium-sized ironstone blocks on N and E sides; other edges disturbed. Fill of dark brown (10YR 3/3) loam; frequent CF.                   |                                |
| A70      | ?13                 | Sec. L. Patch of charcoal.  |                                |
| A72      | ?13 or post-13 Yard | =(79). Main. L. Dark brown (10YR 3/3), loam, very mixed; many small pieces ironstone and limestone; CF. NOP.  | Cu77;GL25-8,35-7,72-4;CP14.    |
| A75      | ?13 or post-13      | =(80). Main. L. Brown-dark brown (10YR 4/3) clayey loam. NOP.   | GL76,86;CP7                    |
| A77      | 13B House           | Main. ?TS. D: 20-40mm. Fill strong brown - brown - dark brown. (7.5YR 5/6-4/4) sandy loam soft. NOP.  |                                |
| A81      | 13                  | =(82-4). Main. L. Surface of crushed ironstone and brown (7.5YR 5/6). NOP.  |                                |

| Layer no | Phase                    | Description   | Finds                            |
|----------|--------------------------|---|----------------------------------|
| A86      | 13<br>Yard               | Main. Wall. large blocks, mostly limestone with occasional ironstone. Matrix dark grayish brown (10YR 4/2), loam. Some roughly circular hollows, possibly for timber uprights, ie dwarf wall. A86 abutted A87 but sequence could not be determined.   |                                  |
| A87      | 13<br>Yard               | Main. Wall. Large blocks ironstone, occasional piece limestone. Matrix brown - dark brown (10YR 4/3), loam. Possible line of robber trench identified extending to E but not clear.   |                                  |
| A88      | 13 or<br>post-13<br>Yard | Main. ?P. Loose rubble fill, small blocks ironstone and limestone. A88 certainly overlaid by A35 (Phase post-13) and possibly by A75 (Phase ?13 or post-13).  | GL71                             |
| A90      | 13Ai<br>Yard             | =(93). Main. Wall. Very large well-squared ironstone blocks (c2-300 x c400 x c2-300mm) with occasional piece limestone. Matrix identifiable on outer faces, brown - dark brown (10YR 5/3-4/3), sandy loam; in core of wall, patches of mortar found bonding stones, yellowish brown - brownish yellow (10YR 6/6-5/6), sandy, very small IF and LF. Face of wall burnt above point at which hearth A203 abutted wall A211 below A90. |                                  |
| A91.1    | 13Ai<br>House            | Main. Wall. Large blocks ironstone and limestone. Matrix very dark grayish brown (10YR 3/2) loam with IF and flecks of clay. Upper surfaces of some stones showed traces of burning. Projections (=?steps) added on S and N sides (=?91.2 and 91.3) indicating probable position of doorway.  | Cu25,51;GL18-9,51;<br>CP9;AF6-7. |
| A91.2    | 13B<br>House             | Main. Projection to S added to wall A91.1. Mostly ironstone blocks with occasional limestone; stones only. Upper surfaces of stones burnt. Presumably step for doorway.   | AF8                              |
| A91.3    | 13B<br>House             | Main. Projection to N added to wall A91.1 as A91.2. Incorporated one large slab with apparently worn surface. Presumably step for doorway.  |                                  |

| Layer No | Phase           | Description  | Findings                             |
|----------|-----------------|--|--------------------------------------|
| A92.1    | 13Ai<br>House   | Main. Wall. Large squared blocks ironstone with occasional block limestone. Matrix dark brown (10YR 3/3) loam.   | Fe38;fs;GL52-9,67,80-3,87;CP10;WB23. |
| A92.2    | 11A<br>House    | Main. Wall. Suggested original build of wall A92.1. See discussion in text.  |                                      |
| A95      | 13Aii<br>House  | Main. L. Spread of charcoal.   | Nu5;FeS;C.                           |
| A96      | 13A<br>House    | Main. L. Scatter fairly large pieces ironstone and limestone. Upper surface of one stone showed traces of burning.   | Cu76;Fe49                            |
| A97      | 11A<br>House    | =(98-9). Main. Wall. A97. 1; Large blocks ironstone with occasional piece limestone, squared face on N side only, S side cut by CT for Phase post-13 wall; matrix dark brown (10YR 3/3) loam; inconsistent traces of burning on some stones, presumably re-used blocks. A97.2: foundations of very large (4-500mm x 3-400mm x 200mm) pitched slabs of mostly ironstone with occasional limestone. A97.3: deeper foundations below A97.2 of horizontal courses of blocks of ironstone with occasional limestone, possible consolidation in earlier pit. | ST3                                  |
| A100     | 13Aii<br>House  | Main. ?Robber or pit. Loose ironstone and limestone rubble.  | FeS                                  |
| A105     | 13 Aii<br>House | (106-7). Main. ?PH. D: <u>c</u> 20mm. Yellowish brown (10YR 5/6) sandy loam, with white flecks and some burnt IF.  | fs                                   |
| (A106)   | 13Aii<br>House  | 105. Main. PH. D: <u>c</u> 100mm. 106.1: strong brown (7.5YR 5/8) sandy loam, patches of dark brown (10YR 3/3) sand, and cream grey clay, burnt IF. 106.2: charcoal, burnt clay, burnt ironstone.  |                                      |
| (A107)   | 13Aii<br>House  | 105, Main. ???PH. D: <u>c</u> 20-30mm. Yellowish brown - dark yellowish brown (10YR 5/6-4/4), sandy loam, flecks burnt clay and CF.  |                                      |
| A108     | 13Ai<br>House   | =(120). Main. L. Brown - dark brown (10YR 4/3 - 3/3), clayey loam, hard-packed surface, CF and IF.   | Cu21;FeS;CP2                         |
| A109     | 13B<br>House    | =(114). Main. CT for A91.2. Brown - dark brown (10YR 4/3), sandy loam.   | Cu52,78;GL30.                        |

| Layer No | Phase         | Description  | Findings                                |
|----------|---------------|--|---|
| A110     | 13A<br>House  | Main. L. Yellow (10YR 7/8), clay.  | FeS                                     |
| A111     | 13A<br>House  | =(112). Main. L. Yellowish red - strong brown (5YR 5/6-5/8,4/6;7.5YR 5/6), clay.   | Cu96;C                                  |
| A113     | 13A<br>House  | Main. L. Red - dusky red (10R 4/8-3/4) burnt loam.   |   |
| A115     | 13Ai<br>House | =(149). Main. L. Packed rubble, medium-sized blocks ironstone with occasional limestone, in matrix dark yellowish brown (10YR 4/4) sand. Difference A115 from A142: A115 smaller stones, more regularly pitched, different matrix. NOP.  | Cu95;Fe48,S;<br>fs,CL                   |
| A116     | post-<br>11C  | Sec. L. Dark brown (10YR 3/3), soft loam.  | Cu83;GL66                               |
| A117     | ?13           | =(215). Sec. Wall. N and E walls of cellar. Large well-squared blocks with occasional blocks of limestone; matrix strong brown (7.5YR 4/4), silty sand to grey - yellowish brown - dark yellowish brown (10YR 5/6-4/6), sandy loam. Course of chamfered stones in angle between top of A90 as found and vertical inside face of A115. A117 butt joint with A90, but seems most likely that A117 is later than A90. Problem of relationship A117 to A201/202 - butt joint; might expect, therefore, A117 to be earliest but appeared rather to cut A201/202. NOP. | GL34                                    |
| A118     | 13Ai<br>House | (141). Main. ?PH. D: <u>c</u> 80mm. A118. 1: dark brown (10YR 3/3) clayey loam. A118.2: charcoal (7.5YR 2/0).  | Fe37,39,40,<br>42-5,S;C.                |
| A119     | 13Ai<br>House | Main. P. D: <u>c</u> 230mm. A119.1: black (2.5YR N2/0) with flecks of grey (2.5Y N5/0) gritty charcoal (?=A95). A119.2: mixed black charcoal, grayish brown to very dark grayish brown (10YR 5/2-3/2) loam, reddish yellow to strong brown (7.5YR 6/8 5/8), burnt loam. A119.3: dark yellowish brown to black (10YR 3/6-7.5YR N2/0) with flecks of gray (7.5YR N5/0) loam, similar to A119.1 but more loam.  | Cu10,93-4;<br>Fe47,S;FS;NF;<br>H9;T5;C. |
| A121     | 13Ai<br>House | Main. CT for A92. 1.D: <u>c</u> 380mm. Yellowish brown to brown to dark yellowish brown (10YR 5/6,4/3,4/4), sandy loam, very loose, burnt and unburnt LF and IF.   | FeS;cl                                  |



| Layer no | Phase         | Description   | Finds                          |
|----------|---------------|---|--------------------------------|
| A122     | 13<br>Yard    | Main. L. Surface of small limestone pebbles and crushed ironstone. Very patchy.   |                                |
| A123     | 13<br>Yard    | Main. L. Brown to dark brown (7.5YR 4/4) sandy loam, soft.  |                                |
| A124     | 13<br>Yard    | =(152,154). Main. L. Loose rubble of mostly small ironstone blocks with occasional limestone. Matrix dark yellowish brown (10YR 3/4) loam; CF,IF, flecks of grey clay, and ?shell. NOP.   | Fe33                           |
| A125     | 13B<br>House  | =(150,162). Main. CT for A91.3. D: $\leq$ 350mm. Very dark grayish brown to dark brown (10YR 3/2-3/3, 2.5Y 3/2) loam, gray (10YR 5/1) clay patches; many small IF. CF, and several large pieces ironstone and limestone. NOP.   | GL31                           |
| A126     | 13<br>Yard    | =(127). Main. L. Dark brown (10YR 3/3) clayey loam, mixed, flecks grey-white-blue clay, CF, small lumps ironstone and limestone. NOP.   | Cu49, ?73;<br>Fe6, 32; GL17    |
| A128     | 13<br>Yard    | Main. Alignment of pitched ironstone blocks average length 150mm) $\leq$ 200mm W of wall A86. Point in sequence at which stones set in doubt. Certainly overlaid A132 and certainly abutted by A122 (metal-ling). Apparently abutted by A126 but could be set in to soil level without great disturbance, producing same effect. Taken in sequence diagram to be earlier than A126. |                                |
| A129     | 13Ai<br>House | (130,135-7). Main. L. Dark olive gray (5Y 3/2), hard, loam  | Fe46                           |
| (A130)   | 13Ai<br>House | A129. Main. L. Dark olive gray (5Y 3/2) hard, loam.   |                                |
| A131     | 13A<br>House  | Main. L. Dark yellowish brown (10YR 3/4), loam, soft.   |                                |
| A132     | 13<br>Yard    | Main. L. Dark grayish brown (10YR 4/2), clayey loam, some light gray (10YR 7/1), clay, CF. NOP.   | Cu22; FeS;<br>GL16, 21, 32, 70 |
| A133     | 13Ai<br>House | Main. L. Dusky red (2.5YR 3/2), ?burnt loam.  |                                |
| A134     | 13Ai<br>House | Main. ?CT - part of A121 or PH. A134.1: light gray (10YR 7/1) clay. A134.2: dark yellowish brown (10YR 4/4) loam with IF. A134.3: light gray to gray to dark grayish brown (10YR 6/1, 4/2) clay, CF and burnt IF. A134.4: brown to dark yellowish brown (10YR 5/3, 4/4) loam, CF and burnt IF.  |                                |

| Layer no | Phase         | Description  | Finds   |
|----------|---------------|--|---|
| (A135)   | 13Ai<br>House | A129. Main. L. Dusky red (2.5YR 3/2), burnt loam.  |   |
| (A136)   | 13Ai<br>House | A129. Main. L. Dark reddish brown (5YR 2.5/2), burnt loam; CF, small frags burnt ironstone.  |   |
| (A137)   | 13Ai<br>House | A129. Main. L. Dark reddish brown (5YR 2.5/2), burnt loam; patches charcoal, burnt IF.   |   |
| A138     | 11A<br>House  | =(139). Main. Wall. Large well-squared blocks, mostly ironstone with occasional limestone, average block $\underline{c}250-300\text{mm} \times \underline{c}300-50\text{mm} \times \underline{c}200\text{mm}$ deep, small irregular blocks in core; matrix dark brown (10YR 3/3), loam.                                  |   |
| A140     | 13A<br>House  | Main. L. Reddish brown (5YR 4/3), clay.  | FeS;fs  |
| (A141)   | 13Ai<br>House | All8. Main. ?SH. D: $\underline{c}100\text{mm}$ . Fill charcoal and black loam.  |   |
| A142     | 13Ai<br>House | =(148). Main. L. Packed rubble, large slabs mostly ironstone with occasional limestone, matrix dark brown (10YR 3/3) loam. NOP.  | Fe41;GL20;AF1-5   |
| A143     | 13Ai<br>House | =(410). Main. CT for A91.1. Brown to dark brown to dark grayish brown to very dark grayish brown (10YR 4/3,4/2,3/2), sandy loam, very soft. NOP.   |   |
| A145     | 13<br>Yard    | =(146). Main. L. Brown to dark brown (7.5YR 4/4) loam, soft, small IF, CF. NOP.  | GL84  |
| A151     | 13<br>Yard    | Main. L. Dark yellowish brown (10YR 3/4) patchy, loam. NOP.  | GL85  |
| A153     | 13<br>Yard    | Main. P. A153.1: brown to dark brown (10YR 4/3), slightly sandy loam, many ironstones. A153.2: dark brown (10YR 3/3), slightly sandy loam, many CF. A153.3: dark grayish brown (10YR 4/2) clay, many CF. A153.4: dark brown (10YR 3/3), clay, few CF. A153.5: very dark grayish brown (10YR 3/2), clay and many CF. NOP. |   |
| A155     | 13<br>Yard    | =(156,161). Main. L. Brown to dark brown to dark yellowish brown (10YR 3/3,3/4,4/3), loam, soft; some CF; some IF; rare-some white flecks, ?shell some MF. NOP.  | Cu9,19,23,27,35,50,72,99;Pb78;Fe29-31,34,36,S;GL60,64;T4. |
| A157     | 12ii<br>Yard  | =(216,227,228). Main. L. Brown to dark brown to very dark grayish brown (10YR 4/3,3/3;2.5Y 3/2;10YR 3/2) with patches of green staining, sandy loam - clayey loam; occasional small burnt and  | Nu4;Cu6,16,84,91;Pb7;fs;GL78;T2;WB21.                     |

| Layer no | Description  | Finds  |
|----------|--|--------|
| A157     | unburnt IF and LF; occasional CF; white flecks (?shell); rare flecks of blue-grey clay; MF. NOP.   |        |
| A158     | 11Cii Main. Robber. Dark brown 910YR 3/3) loam, with ironstone and limestone lumps; occasional CF.<br>House<br>E wall NOP.   |        |
| A159     | 11A// Main. L. Dark reddish brown (5YR 3/2-2.5/2) loam; small burnt and unburnt IF and LF; frequent CF.<br>House   | Fe19,S |
| A160     | 13 Main. ?P. Dark brown (10YR 3/3), loam, soft; frequent CF; frequent IF (occasionally burnt); rare MF; rare flecks light gray (10YR 7/2) clay.<br>Yard  | GL11   |
| A170     | 12i =(171,186,188.9,204,247,250,266). Main. Drying oven walls and floor.<br><u>Oven.</u> Rectangular oven with overall dimensions at top of walls of c2.4m x 2.0m; walls battered to give oven floor of c1.8m x 0.8m. Walls of thinly bedded small blocks (c50mm x c100-150mm) of mostly ironstone with rare limestone; matrix dark yellowish brown (10YR 3/4) loam; irregular traces of burning on stones, possibly re-used. Large squared blocks (c250mm x 300mm x 200mm) of ironstone and limestone on either side of stoke-hole with burning in situ on inner faces. Floor of oven of irregular slabs, mostly limestone with some ironstone; size of slabs varies from very large in centre to smaller near the edges and the stoke-hole; matrix of brown to dark brown (10YR 4/3) loam, soft, with many IF; some stones with traces of burning on upper faces. Backfill of oven =A188.1-8.<br><u>Stoking chamber.</u> No floor survived. E wall of irregular sizes and shapes of ironstone and limestone blocks; large blocks c2-300mm x c3-400mm; thin blocks c50-100mm x 2-400mm; small irregular blocks c150-200mm x 100-150mm; inconsistent evidence of burning, probably re-used stones; matrix of dark brown (10YR 3/3) loam, soft. Steps lead down in to SE corner of stoking chamber: large squared blocks mostly of ironstone with rare limestone; largest block c500mm x 2-300mm x 300mm; matrix of dark brown (7.5YR 3/2) loam, soft, frequent IF, rare CF. Backfill of stoking room = A236 and 249. Alignment of single course of blocks, mostly ironstone with occasional limestone running to SW from |        |

| Layer no      | Phase                     | Description   | Finds   |
|---------------|---------------------------|---|---------|
| A170<br>contd |                           | S wall of oven; apparently related to oven but function unclear.  |         |
| A177          | 12ii//<br>post-13<br>Yard | =(246). Main. P. Stone lined. Thinly bedded blocks, mostly ironstone with occasional limestone; irregular sizes and shapes, largest <u>c.</u> 350mm x 100-150mm, smallest 100-150mm x 200mm; matrix of dark brown to dark yellowish brown (10YR 3/3-3/4) loam, with frequent CF and IF. Pit fill =A189.   |         |
| A179          | 12ii/13<br>Yard           | Main. Small irregularly laid blocks, mostly ironstone with rare limestone; matrix =A157. NOP.   |         |
| A180          | ?11C//13<br>Yard          | =(181-3,193,206-7). Main. P.2 adjacent stone lined pits cut by a later pit on S side and surviving as stone walls on an E-shaped plan, with flagged floor. Walls of large squared blocks of ironstone with occasional piece of limestone. W wall and lower courses of E wall of smaller thinly bedded blocks; matrix of very dark grayish brown to dark brown (10YR 3/2-3/3) clayey loam. Floor of very large slabs of ironstone and limestone in matrix as for walls. Fills of pits =A184-5. Phase ?11C//13 since apparently overlaid by A90 (Phase 13), but ?could have been underpinned. |         |
| A184          | ?11C//13<br>Yard          | (185). Main. P. Fill of pit A180. A184. 1: dark brown to dark yellowish brown (10YR 3/3-3/4), loam, with IF and CF. A184.2: very dark gray to very dark grayish brown (10YR 3/1-3/2), loam, with IF and CF. A184.3: mottled olive brown (2.5Y 4/4), dark grayish brown to very dark grayish brown (2.5Y 4/2-3/2), clayey loam; some white flecks (?shell) rare CF, rare IF, medium sized lumps of ironstone, rare MF. NOP.  | Fe22-4  |
| (A185)        | ?11C//13<br>Yard          | A 184,Main. Fill of pit A180. A185.1: yellowish brown to dark yellowish brown (10YR 5/4-4/4) clay, MF and IF. A185.2: very dark gray to very dark grayish brown (10YR 3/1-3/2) loam, CF and IF. NOP.  | GL10,14 |
| A187          | 11A/B<br>Yard             | =(364). Main. L. Brown to dark brown to dark yellowish brown (10YR 3/3,4/3,4/4), clayey loam, flecks of white clay and CF. See Phase 12 plan.   |         |

| Layer No | Phase                     | Description   | Finds  |
|----------|---------------------------|---|--|
| A188.1   | 12ii<br>Yard              | =(188.1-8). Main. Fill of drying oven A170.<br>A188.1: brown to dark brown (10YR 4/3,3/3) silt<br>CF and IF. A188.2: strong brown to brown to<br>dark brown (7.5YR 5/8,10YR 4/3), sandy loam,<br>some CF,A188.3: mixed dark grayish brown to<br>dark brown (10YR 4/2,3/3), silty clay, some<br>grey sand and CF,A188.4: dark gray (10YR 4/1)<br>clay, some patches green brown silty loam, CF,<br>burnt ironstone. A188.5: very dark gray to dark<br>brown (10YR 3/1,3/3), clay, with some patches of<br>brown loam, and charcoal. A188.6: very dark<br>grayish brown (10YR 3/2) loam, with CF, iron-<br>stone rubble. A188.7: brown to dark brown (10YR<br>4/3) loam, frequent ironstone (some burnt) and<br>limestone rubble, patches brownish yellow (10YR<br>6/6) and yellow (10YR 7/6), clay. A188.8: charcoal<br>mixed with very dark grayish brown (2.5Y 3/2),<br>very soft, sticky, clayey sand; extended com-<br>pletely across slabbed floor of drying oven. NOP. | Cu7,14,48,92;ST2;<br>GL9,62,75;T1;<br>WB18,20;PR |
| A189.1   | 12iii/<br>post-13<br>Yard | =(189.1-2). Main. P. Fill of A177. A189.1: dark<br>grayish brown to very dark grayish brown<br>(10YR 4/2,3/2), loam with IF. A189.2: yellowish<br>brown (10YR 5/6-5/8) loam.  | Cu3;Pb1;Fe26-7                                   |
| A189.3   | pre-12<br>Yard            | =(268). Main. P. Dark yellowish brown to olive<br>brown to very dark grayish brown (10YR 4/6;2.5Y<br>4/4,3/2), sand; some IF and small lumps iron-<br>stone. NOP.   | bts  |
| A190     | 12ii/13<br>Yard           | Main. L. Mixed dark brown (10YR 3/3), loam,<br>frequent CF, occasional IF. NOP.   |  |
| A192     | ?13<br>Yard               | Main. Fill of pit A196. A192.1: loose rubble,<br>lumps ironstone and limestone, bricks, in matrix<br>yellow to brownish yellow (10YR 7/6,6/6), mortar.<br>A192.2: dark olive gray to black (5YR 3/2,2.5/2),<br>very soft loam.  |  |
| A194     | ?13<br>Yard               | Main. P. Stone lining. Mostly ironstone blocks<br>with occasional limestone; average size <u>c</u> 250mm x<br>280mm x 100mm; matrix of green brown sandy loam.<br>Pit lined on this side to depth 1-200mm only.<br>A194 related to walls A208 but corners damaged<br>by later activity.   | GL24;CP5   |

| Layer No | Phase       | Description   | Finds |
|----------|-------------|---|-------|
| A195     | ?13<br>Yard | Main. F. Fill of pit A194/208. A195.1: very dark grayish brown to dark brown (10YR 3/2,3/3) loam, very loose ironstone. A195.2: brownish yellow to dark grayish brown (10YR 6/6,4/2) loam, yellow brown sandy lenses, granular and crumbly texture, occasional CF. A195.3: yellowish brown to dark yellowish brown (10YR 5/8,4/4) sandy loam, CF.   |       |
| A196     | ?13<br>Yard | Main. P. Stone lining. Large blocks mostly of ironstone with rare limestone; matrix of very dark grayish brown (10YR 3/2), loam, stiff. Fill of A196 = A192.  |       |
| A197     | ?13         | Sec. Back-filled cellar. A197.1: various deposits - yellow to yellowish brown to dark yellowish brown (10YR 7/6,5/4,4/4), sandy loam, some yellow flecks, MF and IF; brownish yellow to light gray to brown to dark brown (10YR 6/6,6/1,5/1,4/3), sandy loam, grey blue clay, loose, rubble of mostly ironstone with occasional limestone; brown to dark brown (10YR 4/3) silty loam, MF and IF; brownish yellow to yellowish brown (10YR 6/6,5/4) silty loam, loose ironstone rubble; brown to dark brown to dark yellowish brown (10YR 4/3,4/4) clayey loam, loose ironstone rubble; brown to dark brown to dark yellowish brown (10YR 4/3,4/4) clayey loam, reddish brown (5YR 4/5) patches, MF, loose ironstone rubble. A197.2-3: mixed gray (7.5YR N5/0) to yellowish brown to brown to dark brown (10YR 5/4,4/3,3/3), loam, CF, MF, clay (white and blue) flecks, IF; brown to dark brown (10YR 4/3,3/3) silty loam, many CF; yellowish brown to dark yellowish brown (10YR 5/4,4/4) sand, ironstone pebbles; dark yellowish brown to dark brown (10YR 4/4,3/3) sand, MF (max. 30mm) and brown red tile (max. 100mm); gray to yellowish brown to dark yellowish brown (7.5YR N5/0; 10YR 5/4,5/6,4/4) loam, charcoal, MF, patches blue clay, large ironstone blocks (max. 250mm). NOP. |       |
| A199     | ?11//13     | Sec. L. White to very pale brown (10YR 8/2,7/3), clay patches dark brown (10YR 3/3) loam, bricks, mortar, burnt clay, charcoal. NOP.  |       |

| Layer No | Phase         | Description   | Finds                    |
|----------|---------------|---|--------------------------|
| A200     | ?11//13       | Sec. L. Dark yellowish brown to dark brown (10YR 4/4,3/3), loam, burnt sand, charcoal patches, CF. NOP.   | GL44                     |
| A201     | ?11//13       | Sec. ?P. Clay lined pit cut by modern drain.<br>A201.1: very pale brown (10YR 8/4) clay, CF; clay lining and also spread (?redeposited) over top of pit. A201.2: (fill) dark brown (10YR 3/3) loam, CF. A201.3: light gray to light brownish gray (10YR 7/2,6/2) mortar. A201.4: several large squared blocks of ironstone (?pit lining) on N side of pit (inside clay lining) abutted by surface of small pieces of ironstone and limestone. NOP.  |                          |
| A203     | ?11//13       | Sec. Hearth. Thin slabs of stone, mostly ironstone (max. 200mm) with occasional limestone, also rare bricks. Surface of stones burnt. NOP.  | Pb2                      |
| A205     | ?11//13       | (=245) Sec. L. Dark brown (10YR 3/3) loam. NOP.   | Cu30,61;FHB;H4;<br>WB9;C |
| A208     | ?13<br>Yard   | =(209-10). Main. P. Stone lining. Ironstone blocks with very rare limestone; large blocks <u>c</u> 300 x 100mm also small thinly bedded blocks; matrix of very dark gray (7.5YR N3/0) sticky loam. Depth of lining E wall - 800mm; W - 200mm; S - 1.20m. Deeper lining on E and S sides to face earlier pit through which A208 cut. A194 formed N side. Fill = A195.  |                          |
| A211     | 11A<br>Yard   | =(212-4). Main. Wall. Irregularly laid blocks of varied shapes and sizes; generally small ( <u>c</u> 100mm x 150-200mm), with some medium-sized ( <u>c</u> 200mm x 300-50mm), occasional small thin slab; mostly ironstone with rare limestone, occasional burnt and re-used block; matrix of brown to dark brown to dark yellowish brown (10YR 4/3,3/3,3/4) loam/sandy loam/clayey loam and patches light gray to gray (10YR 6/1) clay. 3 large slabs formed top and sides of ?drain adjacent to pit A208; not identified on other side of wall. |                          |
| A217     | 11Cii<br>Yard | =(?218,240-1,251). Main. L. Dark brown (10YR 3/3) clay/loam, dark brown (10YR 3/3) silt; CF burnt and unburnt IF, small lumps of ironstone and limestone. NOP. Phase 12 plan.   | Cu2;Pb6;Fe20             |

| Layer no | Phase | Description   | Finds  |
|----------|-------|---|--|
| A219     | 10    | =(324). Main. L. Yellow (10YR 7/6) and yellowish brown (10YR 5/6-5/8), sand; occasional CF.   |  |
| A220     | 9     | Main. L. Surface of ironstone fragments (max. 30mm) in matrix of yellowish brown to dark brown (10YR 5/4,3/3), clay, with CF.   |  |
| A221     | 8     | Main. L. Yellowish brown to dark brown (10YR 3/3, 5/4), clay, with CF and occasional IF.  | Cu31;CR14-7;Fe3,S;<br>NF;WB6-7,11,15;CH          |
| A222     | 7     | =(B47,111,133-4). Main. L. Red to dark red to yellowish red (2.5YR 4/6,3/6; 5YR 4/6), olive mottling in places (5Y 4/4) stiff clayey loam (Trench A, W side of site), very soft sandy loam (Trench B, E side of site); lenses dark gray to very dark gray (2.5YR N4/0, N3/0), very soft, sandy loam; frequent CF; many tiny fragments ?burnt ironstone.   | Nu?1;Cu20,82;<br>CR2-10;Fe1-2;<br>NF;CH;PR       |
| A223     | 5     | =(B63,66-9,89,101.1,132,138). Main. L.<br><u>Trench A.</u> Mixed dark yellowish brown (10YR 4/4, 3/4) clay/clayey loam; CF (max. 10mm).<br><u>Trench B.</u> Patch of brown to dark brown (7.5YR 4/4) to yellowish brown (10YR 6/6) with flecks of grey brown, very soft and sticky clayey loam. Patch dark reddish brown (5YR 3/4) stiff, hard, loam; occasional CF. Patch of mottled green from grayish brown (2.5Y 5/2) to olive brown (2.5Y 4/4) hard friable loam; rare CF; rare small burnt IF. Patch of dark yellowish brown (10YR 4/4) very soft, sticky, clayey loam; occasional flecks white (?shell); rare CF.<br><u>Trench B.</u> Yellowish brown to brown to dark brown silt (10YR 5/6,5/4,4/3), CF. Yellow green brown staining around several pits. Areas in NE and SE corners of Trench B: dark yellowish brown (10YR 4/4,3/4) with streaks of green brown, silt; possibly subsidence/differential drainage caused by pit B158.2 (NE) and timber slot of Phase 2 (SE) below. NB. Localised differences within A223 described above, but interpreted as single major level. | Nu?2,10;Cu81;<br>bts,fs;GL2-3,5<br>7,39;WB3-5;WD |



| Layer no | Phase       | Description  | Finds   |
|----------|-------------|--|---|
| A224     | 3           | =(B100,158.1.163,?192,226). Main. L.<br><u>Trench A.</u> Brown to dark brown (7.5YR 4/4) with some brown to dark brown (10YR 4/3) sand flecks.<br><u>Trench B.</u> Dark brown (10YR 3/3) to dark yellowish brown (10YR 3/4) silt to loamy sand; many CF; small lumps ironstone, a few burnt.<br><u>Trench B.</u> In NE corner, brown to dark brown to dark yellowish brown (10YR 4/4,4/3), silty sand CF; many IF; possibly subsidence/differential drainage over pit B158.2. On W side, dark yellowish brown (10YR 4/4) loam; very soft, slightly sticky; frequent CF; slightly deeper area of A224, possibly slumping/differential drainage due to pits. | Cu80,86-8;FeS;<br>BTS;NF;H11;GL6,8;<br>WB1-2. |
| A225     | ?13         | Sec. L. Cobbled floor of cellar. NOP.  |   |
| A226     | ?13         | Sec. L. Brick and cement floor of cellar. NOP.   |   |
| A229     | ?11//<br>13 | Sec. L. Very mixed; very dark grayish brown (10YR 3/2), loam; flecks/lumps charcoal, flecks/lumps burnt/unburnt ironstone; patch pale brown (10YR 6/3), clay. NOP.   |   |
| A230     | ?11//<br>13 | Sec. L. Very mixed; dark brown (7.5YR 3/2), loam; many CF; lumps burnt/unburnt ironstone; lumps of mortar. NOP.  |   |
| A231     | ?11//<br>13 | Sec. ?CT for wall A232. Dark brown (10YR 3/3) loam; occasional CF; rare lumps ironstone, a few burnt IF. NOP.  |   |
| A232     | ?11//<br>13 | =(261,263). Sec. Wall. Irregular blocks, mostly ironstone with occasional limestone; blocks c300-50mm x 1-200mm, also smaller blocks (50-100mm x 100-50mm) and thinly bedded blocks (c50mm x 1 - 200mm); some re-used burnt blocks; matrix of very dark grayish brown (10YR 3/2), loam, and dark yellowish brown (10YR 4/4,3/4), loam. NOP.  | CP12  |
| A233     | ?11//<br>13 | Sec. ?CT for wall A232. Irregularly laid blocks of ironstone; matrix of very dark grayish brown (2.5Y 3/2), loam. NOP.   | fs,FHB  |
| A234     | 12i<br>Yard | =(244). Main. P.A234.1: very dark grayish brown (10YR 3/2), loam; some yellow clay flecks; rare CF; some ironstone and limestone lumps, burnt/   | Cu28  |

| Layer no | Phase                 | Description  | Finds         |
|----------|-----------------------|--|---------------|
| A234     |                       | unburnt. A234.2: very dark gray (10YR 3/1),  |               |
| cont     |                       | loam, a few lumps/frags burnt/unburnt ironstone  |               |
|          |                       | CF, lenses ?crushed ironstone or ?iron-pan.  |               |
| A235     | 11Cii/<br>12          | =(360). Main. P. A235.1: loose ironstone and   |               |
|          | Yard                  | limestone rubble. A235.2: dark brown (10YR 3/3),<br>clayey loam; some CF; rare IF, some burnt; rare<br>flecks grey-white clay. A235.3: dark grayish<br>brown to very dark grayish brown (10YR 4/2-3/2)<br>clayey loam; some IF; some CF.   |               |
| A236     | 12ii<br>Yard          | Main. Drying oven (A170) fill (stoke-room).<br>A236.1: dark grayish brown (10YR 4/2), silty<br>clay; frequent CF; frequent IF, some burnt,<br>(clmm). A236.2: brown to dark brown (10YR 4/3,<br>3/3) silt; some CF; some IF (3mm). A236.3: brown<br>to dark brown (10YR 4/3,3/3) clay; CF, IF (5mm).<br>A236.4: brown to dark brown (10YR 4/3,3/3) silt;<br>CF; many IF. A236.5: brown to dark grayish brown<br>to dark brown (10YR 4/3,4/2,3/3) silty clay; IF.<br>NOP. |               |
| A237     | ?11//<br>13           | Sec. L. Dark brown (10YR 3/3), soft, loam.   |               |
| A238     | 12i<br>Yard           | Main. L. Surface of small LF (average size <u>c</u> 20-<br>30mm x 10-20mm).  |               |
| A242     | 11Cii/<br>12i<br>Yard | Main. L. Dark yellowish brown (10YR 3/6), soft,<br>loam; rare CF; some IF, rarely burnt.   |               |
| A248     | ?11//<br>13           | Sec. L. Irregular spread ironstone and limestone<br>rubble; matrix of dark yellowish brown (10YR 4/4,<br>3/4), loam, with CF. NOP.   | Nu6;Cu104;FHB |
| A249     | 12ii<br>Yard          | Main. Drying oven (A170) fill (stoke-room). Dark<br>grayish brown (2.5Y 4/2) very sticky clay and<br>sand; a few blobs of light grey clay; some CF;<br>many lumps of ironstone with occasional lime-<br>stone, some burnt. NOP.  |               |
| A252     | ?pre-<br>13           | Sec. L. Surface of large slabs of ironstone and<br>limestone, with some smaller irregular blocks.<br>Matrix of dark yellowish brown (10YR 3/4), loam,<br>rare IF, rare CF. NOP.  |               |
| A253     | ?pre-                 | Sec. L. Very mixed; dark brown (10YR 3/3), loam;   |               |

| Layer no     | Phase           | Description  | Finding             |
|--------------|-----------------|--|---------------------|
| A253<br>cont |                 | patches light gray (2.5Y N7/0) clay; patches dark yellowish brown (10YR 4/4), sandy loam. possibly decomposed mortar; frequent small IF burnt/unburnt. NOP.                                |                     |
| A254         | ?pre-<br>13     | Sec. L. Dark yellowish brown (10YR 3/4) loam; rare IF; rare CF. NOP.   |                     |
| A255         | ?pre-<br>13     | Sec. P/PH. Concentration small irregular lumps ironstone and limestone; traces burning on a few stones (not in situ); matrix dark yellowish brown (10YR 3/4), loam, rare IF, rare CF. NOP. |                     |
| A256         | ?11//<br>13     | Sec. Wall. Several large blocks ironstone; irregular shapes (c3-400mm x c200mm); matrix of dark yellowish brown (10YR 4/4) loam. NOP.  |                     |
| A257         | ?pre-<br>13     | Sec. P/PH. Irregular lumps of ironstone and limestone; some traces of burning (not in situ); matrix of dark yellowish brown (10YR 3/4), loam, rare IF, rare CF. NOP.                       |                     |
| A258         | ?pre-<br>13     | Sec. ?L. Dark brown (10YR 3/3), clayey loam; patches grey (10YR 5/1) clay; frequent patches and CF. NOP.   |                     |
| A260         | ?11//<br>13     | Sec. L. As A248. Artificial spit below A248. NOP.  | fs, FHB             |
| A264         | ?11//<br>13     | (270). Sec. L. Loose rubble; irregular shapes and sizes of ironstone and limestone blocks; matrix of dark yellowish brown (10YR 4/4, 3/4) loam, with CF. NOP.                              |                     |
| A265         | ?11//<br>13     | Sec. L. As 260. Artificial spit below A260. NOP.   | fs, cl; H8; GL46-50 |
| A267         | pre-12<br>Yard  | Main. P. Dark yellowish brown (10YR 3/4); soft loam; rare IF; rare CF. NOP.  |                     |
| A269         | pre-12<br>Yard  | Main. L. Very dark grayish brown to dark brown (10YR 3/2-3/3) loam; some CF; some lumps and frags ironstone and limestone. NOP.  |                     |
| (A270)       | ?11//<br>13     | A264. Sec. L. Olive gray to olive (5Y 4/2, 4/4), soft loam; rare CF; rare burnt IF. NOP.   |                     |
| A271         | 11Ci<br>Yard    | Main. P. Dark yellowish brown (10YR 3/4, 3/6), soft loam; many CF; rare small IF (c10-20mm x 10mm); some flecks of white.  |                     |
| A272.1       | ?11Cii<br>House | =(281). Main. P. A272.1, Layer 1: dark grayish brown (10YR 4/2) silt; some CF; many lumps and  | Cu32; fs            |

| Layer no | Phase                  | Description  | Finds |
|----------|------------------------|--|-------|
| A272.1   |                        | small frags of ironstone and limestone frequently burnt. A272.1. Layer 2: brown to dark brown (10YR 4/3) silt; rare CF; some lumps and frags ironstone, some burnt.  |       |
| A272.2   | 10//<br>11Ci<br>House  | =(272.3). Main. P.A272.2: yellowish brown to dark yellowish brown (10YR 5/4,4/4); loose, silty loam; rare CF; many stones. A272.3: yellowish brown (10YR 5/6,5/8) silt with much charcoal and burnt ironstone; at base, fawn sand.   |       |
| A273     | 11Ci<br>Yard           | =(282). Main. Wall. Large blocks ironstone, with occasional limestone; irregular sizes, largest c300mm x 100-50mm, and shapes; matrix of dark yellowish brown (10YR 3/4) loam. 2 sockets (A285-6) along N-S arm of wall suggest ?dwarf wall.   |       |
| A274     | 11Ci<br>Yard           | Main. Wall. Large blocks ironstone (c200mm x c200-50mm x c2-300mm). Matrix of dark brown to very dark brown (10YR 3/3,2/2) loam.   |       |
| A276     | 11Cii<br>Yard          | Main. Robber. D:100-20mm. Dark brown (10YR 3/3) silt; some CF; lumps and frags, mostly ironstone with rare limestone, rare burnt stone.  | Cu90  |
| A277     | 11Ci<br>Yard           | Main. P. Very dark grayish brown to dark brown (10YR 3/2,3/3) silt; CF; burnt/unburnt IF.  |       |
| A278     | 11A//<br>11Ci<br>House | Main. L. Mixed. Dark yellowish brown (10YR 4/6) loam; soft-firm; flecks yellow sand. CF.   | WB17  |
| A279     | 11A<br>House           | =(367). Main. CT for wall A97. Sequence of layers bts starting from latest. Reddish gray (10R 5/1) with pale red (6/3) inclusions, clayey loam. Weak red (10R 4/4) gritty loam, with a few stones. Strong brown (7.5YR 5/6) sandy loam with a few medium sized stones. Dark yellowish brown (10YR 4/4) clayey loam, few stones, a few CF, a few ?MF. Dark brown (10YR 3/3) clayey loam, some CF, ?MF. Dark yellowish brown to dark brown (10YR 4/4,3/3) clayey loam, MF and CF, some stones. Brown buff (10YR 3/3) clayey loam, CF, many mixed stones. Dark red (2.5YR 3/6) clayey loam. Dark yellowish brown (10YR 3/4) with orange |       |

| Layer no | Phase  | Description  | Finds            |
|----------|--------|--|------------------|
| A279     |        | inclusions, loam, some mortar inclusions. NOP.   |                  |
|          | cont   |  |                  |
| A280     | ?11Cii | =(A287,290;B112,155). Main. Robber. Continuous W-E trench. Fill varied along length. Robber of B109.   | Nu3;Fe21;FS;WB13 |
|          | N wall | <p><u>A280 = W of A272. D: c600mm. Brown to dark brown (10YR 5/3,4/3) silt; frequent IF, some burnt; CF.</u></p> <p><u>A287 = E of A272 to N-S baulk at co-ord 170.2</u></p> <p>D: 5-700mm. A287.1: dark yellowish brown (10YR 4/4) silt, rare CF, many small lumps and IF, some burnt. A287.2: brown to dark brown (10YR 4/3) sticky loam, rare CF, many small lumps and IF, some burnt.</p> <p>A287.3: dark reddish brown silt, rare CF, many lumps and IF, rarely burnt. A287.4: brown to dark brown (10YR 4/3) loam, slightly sticky, frequent charcoal, many lumps ironstone, some burnt.</p> <p><u>A290 = E of N-S baulk at co-ord.170.2 to 172.25.</u></p> <p>D: 1.25m. A290.1: brown to dark brown (10YR 4/3), loam, rare CF, lumps and IF, some burnt, occasional MF. A290.2: brown to dark brown (7.5YR 4/2) loam, many small lumps ironstone. A290.3: brown to dark brown (10YR 4/3) loam, rare CF, small lumps and IF (some burnt). A290.4: olive brown (2.5Y 4/4) silt, rare CF, a few lumps ironstone.</p> <p><u>B112. D: c1-1.3m. B112.1: dark brown (7.5YR 3/2) loam; rare CF; lumps and IF; lumps mortar. B112.2: dark reddish grey (5YR 4/2) silty loam, much charcoal, lumps of ironstone some burnt.</u></p> |                  |
| A283     | 11Ci   | =(333.3). Main. L. Surface of ironstone lumps, average size 100mm sq. Matrix of dark brown to dark yellowish brown (10YR 3/3,3/4), loam, many IF and CF.   | GL41-3           |
|          | Yard   |  |                  |
| A284     | 11Cii  | Main. L. Dark reddish brown (5YR 3/4), silt; many CF, many small lumps ironstone (many burnt), occasional small lumps mortar. Possibly re-deposited A159. NOP.   |                  |
|          | House  |  |                  |
|          | N wall |  |                  |

| Layer no | Phase        | Description   | Finds                         |
|----------|--------------|---|-------------------------------|
| A285     | 11Ci<br>Yard | (286). Main. PH. D: <u>c</u> 150mm. Very dark brown (10YR 2/2), soft, loam.   |                               |
| (A286)   | 11Ci<br>Yard | A285. Main. PH. D: <u>c</u> 300mm. Very dark brown (10YR 2/2), soft, loam.  |                               |
| (A288)   | 11B<br>Yard  | =(291). Main. L. Dark yellowish brown (10YR 3/4, 3/6,4/4,4/6), soft, loam.; frequent CF, frequent lumps and IF ( <u>c</u> 50 x 100mm); some white flecks; ?shell. NOP.  | Pb5;fs                        |
| (A292)   | 11A<br>House | Main. ?CT for wall A92. Dark yellowish brown (10YR 3/4), soft, loam; frequent CF, rare flecks sand, occasional IF. NOP.   |                               |
| A294     | 10           | Main. L. = cleaning of surface below A278; later sub-divided in to features/layers cf.A305 etc. NOP.  |                               |
| A295     | 11A<br>House | Main. CT for wall A138. Very dark grayish brown - dark brown (10YR 3/2 - 3/3), very loose, friable, loam, NOP.  |                               |
| A296     | 11B<br>Yard  | Main. L. Surface small lumps ironstone ( <u>c</u> 100mm sq) in matrix crushed ironstone.  |                               |
| A297     | 11A<br>Yard  | =(298-301). Main. L. Dark brown to dusky red to very dusky red (7.5YR 3/2; 2.5YR 3/2,2.5/2), very soft loam, frequent CF. Patch of pinkish grey to reddish grey (5YR 6/2-5/2) clay, frequent CF, frequent IF, occasionally burnt. NOP.  | Pb4;Fe9,15-6,S;<br>fs;H1;WB12 |
| A302     | 11A<br>Yard  | (303). Main. ?L/P. D: 20-50mm. Patch of crushed ironstone and ironstone lumps (most <u>c</u> 70mm x 40mm, occasionally <u>c</u> 40mm x 20mm); matrix of yellowish brown (10YR 5/8), sand. NOP.  |                               |
| (A303)   | 11A<br>Yard  | A302. Main. ?L/P. D: <u>c</u> 200mm. A303.1: concentration lumps ironstone, (av.size <u>c</u> 70mm x 40mm); matrix of dark brown (10YR 3/3), loam, soft; frequent IF (rarely burnt); rare patches gray (2.5YR N5/0) clay; rare CF. A303.2: greenish grey (5GY 6/1) clay. A303.3: crushed ironstone, matrix of dark brown to dark yellowish brown (10YR 3/3-3/4), loam, very rare CF. NOP. |                               |
| A304     | ?11//<br>13  | Sec. L. As A265. Artificial spit below A265. NOP.   | GL45                          |
| A305     | 10           | (309,314). Main. ???PH.D: 10mm. Dark yellowish brown (10YR 3/4), very soft, sand; rare CF.  |                               |

| Layer no | Phase        | Description   | Finds                      |
|----------|--------------|---|----------------------------|
| A306     | 10           | =(?315). Main. L. Dark yellowish brown (10YR 3/4) to dark olive gray (5Y 3/2), hard packed stiff, sandy loam; some sand flecks; some CF; some patches burning in situ.                          | fs                         |
| A307     | 10           | =(331,?316-7). Main. L. Dark yellowish brown to yellowish brown (10YR 5/8,3/6), soft, hard packed sand; frequent lighter sand spots; rare - very rare CF.                                       | CR18;Fe4-5;fs;NF;WB8,14,16 |
| A308     | 10           | Main. L. Very mixed; dark reddish brown (5YR 3/4) soft loose, sandy loam; frequent CF; some sand flecks.  |                            |
| (A309)   | 10           | A305. Main. ?PH. D: <u>c</u> 200mm. Dusky red (2.5YR 3/2) loose sandy, soft loam; rare darker red loam patches; very rare sand flecks, frequent CF.   |                            |
| A310     | ?11//<br>13  | Sec. L. Dark grayish brown to very dark grayish brown (10YR 4/2-3/2) loam, some olive green flecks; some IF (average <u>c</u> 3mm); some very small IF (average <u>c</u> 5mm); some CF.<br>NOP. |                            |
| A311     | ?11//13      | =(312). Sec. L. Brown to dark brown to dark yellowish brown (10YR 4/3,4/4), silt; rare - some CF; IF and small lumps (some burnt); many sand patches. NOP.                                      | Cu29;fs                    |
| A313     | ?11//<br>13  | Sec. L. Yellowish brown (10YR 5/6) sand, very soft. NOP.  |                            |
| (A314)   | 10           | A305. ???PH. Very loose loam and void. Possibly root or animal disturbance.   |                            |
| A318     | 10           | Main. ?SH. Circular concentration charcoal.   |                            |
| A319     | 10           | Main. L. Dark yellowish brown (10YR 4/6,3/6), sand, very soft.  |                            |
| A320     | 11A<br>House | Main. ?CT for wall robbed by A280. Brown to dark brown (7.5YR 4/4), silt; many CF; some sandy patches, some patches burnt red; IF (some burnt). NOP.  |                            |
| A321     | 11A<br>Yard  | Main. ?P. Dark brown (10YR 3/3), very soft, loam; frequent small IF; some medium sized lumps (50mm sq, 100mm sq); some CF ( <u>c</u> 20-30mm x 10mm). NOP.                                      | Fell;SW2                   |
| A322     | 10           | Main. L. Very dark brown (10YR 2/2); loose, soft, sandy loam; very frequent CF; rare burnt  |                            |

| Layer no | Phase                | Description   | Layer |
|----------|----------------------|---|-------|
| A322     |                      | patches.  |       |
| cont     |                      |   |       |
| A323     | 10                   | Main. ?P. D: c2-300mm. Dark yellowish brown (10YR 3/6), soft, loam; many small IF; many CF; many flecks white, ?bone, shell or mortar.  |       |
| A325     | 10                   | (326-8). Main. SH. D: 60mm. Regular, straight-sided. A325.1: black charcoal (2.5YR N2.5/0). A325.2: dark brown (7.5YR 3/2) loam, some CF.   |       |
| (A326)   | 10                   | A325. Main. ??SH D: 60mm. A326.1: black charcoal (2.5YR N2.5/0. A326.2: very dark grayish brown (10YR 3/2) silt.  |       |
| (A327)   | 10                   | A325. Main. SH. D: 150mm. Very regular, straight sided, narrowing towards bottom. A327.1: very dusky red (2.5YR 2.5/2) soft sand; very frequent charcoal. A327.2: very dark, probably charcoal (7.5YR N2/0).  |       |
| (A328)   | 10                   | A325. Main. SH. D: 100mm. Regular straight-sided. A328.1: charcoal (2.5YR N2.5/0). A328.2: dark brown (10YR 3/3) silt, some charcoal.   |       |
| A329     | 10                   | Main. SH. D: 140mm. Very loose fill. Brown to dark brown (7.5YR 4/4) silt. Straight-sided, narrowing to bottom. Slopes from S (bottom) to N (top).  |       |
| A330     | 11A<br>Yard          | Main. L. Artificial spit below A300. Very dark grayish brown (10YR 3/2), soft, loam; frequent CF; some small IF; some flecks white, ?bone shell mortar; some large slabs ironstone lying flat suggesting that surface of A330 possibly was an actual surface, although no other indication of this in colour/character of soil; other slabs pitched at various angles, probably subsiding into pits below. NOP. | Cul2  |
| A332     | ?11C//<br>13<br>Yard | Main. L. Dark Yellowish brown (10YR 3/4-4/4), soft, loam; frequent burnt/unburnt IF; frequent CF; frequent flecks of white. NOP.  |       |
| A333.1   | ?11C//<br>13<br>Yard | =(333.2). Main. P. A333.1: dark yellowish brown (10YR 4/4) loam, firm; CF; crushed ironstone. A333.2: yellowish brown (10YR 5/4-5/6) loam, firm: rare CF; crushed ironstone. NOP.   |       |
| A334     | 11A<br>Yard          | Main. L. As A330. Artificial spit below A330. NOP.  | fs    |



| Layer no | Phase         | Description  | Finds     |
|----------|---------------|--|-----------|
| A335     | 11A<br>Yard   | Main. L. Very dark grayish brown (2.5Y 3/2), soft, sticky loam; patch of yellowish brown (10YR 5/6) probably burning in situ; some CF and concentrations of charcoal; frequent IF. NOP.  |           |
| A336     | 11A/B<br>Yard | =(337). Main. P. Stone lining of pit. Mostly ironstone, with rare limestone; various sizes of stone (average 50mm x 3-400mm, some longer - <u>c</u> 500mm, some smaller 1-200mm; average width as seen in top courses <u>c</u> 2-300mm); built for most part in regular courses; angle of walls irregularly battered; matrix dark brown (10YR 3/3), soft, loam. Fill of pit = A338. NOP.   |           |
| A338     | 11A/B<br>Yard | =(?363). Main. P. A338.1: dark brown (10YR 3/3) loam; firm texture; CF; large lumps ironstone. A338.2: very dark grayish brown (10YR 3/2), loam, firm texture; CF: rare small lumps ironstone. A338.3: dark yellowish brown (10YR 4/4), loam, firm texture; rare CF; crushed IF. A338.4: very dark gray (10YR 3/1), loam, heavy and sticky texture; rare CF. A338.5: dark yellowish brown (10YR 4/4), fine texture; rare CF and flecks of crushed ironstone. A338.6: dark olive grey (5Y 3/2); sticky texture; rare CF. NOP. |           |
| A339     | 11A<br>Yard   | Main. P. A339.1: yellowish brown to dark yellowish brown (10YR 5/4,4/4), sandy, loam, soft, crumbly; some CF ( <u>c</u> 10m sq); some lumps ironstone (20-30mm sq x 10mm). A339.2: dark yellowish brown (10YR 4/4-3/4) sandy loam; slight purple brown shade possibly indicates soil burnt, soft, sticky, crumbly; frequent CF. A339.3: grayish brown to dark grayish brown (2.5Y 5/2,4/2) soft, sticky, clayey loam; some CF. A339.4: olive (5Y 4/3) loam, slightly sticky; rare CF and a few IF. NOP.                      | CR19;Fel2 |
| A340     | ?11//<br>13   | Sec. L. Very dusky red (2.5YR 2.5/2), friable, soft loam. Also patches as above weak red (2.5YR 5/2); and light grey (5YR 7/1) clay. Very frequent CF and lumps charcoal; IF and lumps burnt/unburnt ironstone. Rare small patches olive grey (5YR 5/2) clay. NOP.   |           |

| Layer no | Phase          | Description  | Finds     |
|----------|----------------|--|-----------|
| A341     | 11A<br>Yard    | Main. Wall. Offset projecting <u>c</u> 100 - 50mm to W of wall A211. Either foundation course for A211, or earlier wall. Large well squared blocks ironstone (average size <u>c</u> 300mm x 200mm; some smaller blocks <u>c</u> 200mm sq); some blocks with burning in situ on W face (no burning evident on face of A211 immediately above). Matrix dark brown (10YR 3/3) soft loam. NOP. |           |
| A342     | pre-11/<br>11  | Sec. ?P. Dark brown (10YR 3/3), soft, loam; frequent CF; frequent lumps burnt/unburnt <u>c</u> 30-40mm sq; occasional lump limestone ( <u>c</u> 10-20mm x 30-40mm). NOP.   |           |
| A343     | pre-11/<br>11  | Sec. L. Dark yellowish brown (10YR 4/6), soft, sand; some CF; some flecks white. NOP.  |           |
| A344     | ?11//<br>13    | Sec. ?P. Dark yellowish brown (10YR 3/4) soft loam; some CF; some IF; some white flecks. NOP.  |           |
| A345     | ?8//<br>11     | Sec. L. Irregularly laid, hard-packed, irregular pieces ironstone (average size <u>c</u> 50-100mm sq x 20-30mm sq); matrix of dark yellowish brown (10YR 3/4) soft loam. NOP.  |           |
| A346     | ?11//<br>13    | Sec. L/P. Dark yellowish brown (10YR 3/4) soft loam; frequent CF; frequent IF; frequent flecks white. NOP.   |           |
| A347     | ?8//11         | Sec. ?P. Dark brown (10YR 3/3) soft clayey loam; frequent CF ( <u>c</u> 5mm sq); some lumps ironstone, and rare lumps limestone ( <u>c</u> 50mm sq x 20-30mm); frequent flecks of white. NOP.  |           |
| A348     | pre-<br>11/11  | Sec. L. Yellowish brown to dark yellowish brown (10YR 5/8-4/6), soft, silty sand. NOP.   |           |
| A349     | pre-<br>11//13 | Sec. ?P. Dark brown (10YR 3/3) soft loam; some CF; IF ( <u>c</u> 3mm sq) and small lumps ( <u>c</u> 2-3mm sq) of ironstone. NOP.   |           |
| A350     | 11A<br>Yard    | Main. L. As A334. Artificial spit below A334. NOP.   | Fe10;GL40 |
| A351     | ?8//11         | Sec. L/P. D: <u>c</u> 200mm. Very frequent loose IF up to 93mm across; occasional burnt ironstones; matrix very dark grayish brown (10YR 3/2), loam. NOP.  |           |
| A352     | ?4//10         | Sec. L/P. D: <u>c</u> 200mm. Dark yellowish brown (10YR 3/4) loam, mixed with clay, hard packed; frequent CF. NOP.   |           |

| Layer no | Phase                  | Description  | Finds           |
|----------|------------------------|--|-----------------|
| A353     | pre-<br>10/10          | Sec. P. D: 1.0m-600mm (not bottomed). A353.1: olive brown (2.5Y 4/4), soft, loam. A353.2: dark brown to olive (10YR 3/3, 5Y 4/4), loam, tightly packed; some charcoal. A353.3: dark brown (10YR 3/3), soft, loam; many CF ( <u>c</u> 10mm sq). NOP.              |                 |
| A354     | ?4//11                 | Sec. PH. D: 120mm. A354.1: dark yellowish brown (10YR 4/6); sandy clay, soft, sticky. A354.2: dark yellowish brown (10YR 3/4) - darker than A354.1, sandy clay, soft, sticky; rare CF. NOP.  |                 |
| A355     | pre-<br>11/11          | Sec. P. D: 2-300mm (not bottomed). Dark yellowish brown (10YR 3/6) clay and loam; hard packed; very few stones. NOP.   |                 |
| A356     | 11A<br>Yard            | Main. Wall. Offset below A341 projecting <u>c</u> 100-20mm W of A341, and 200-70mm W of A211. Either foundation course or earlier wall. Blocks ironstone (average size 150mm sq); faces of several blocks burnt; matrix of dark brown (10YR 3/3) soft loam. NOP. |                 |
| A357     | 11A<br>Yard            | Main. P. D: <u>c</u> 100-50mm A357.1: dark yellowish brown (10YR 4/4), crumbly, soft, sandy, loam; frequent CF, 1mm sq. A357.2: brownish yellow to yellowish brown (10YR 6/6, 5/6), crumbly, soft; frequent patches as A357.1. NOP.                              |                 |
| A358     | pre-<br>11/11A<br>Yard | Main. P. D: 100-50mm. Dark brown (10YR 3/3), soft loam; some CF; rare IF (2-10mm sq). NOP.   |                 |
| A359     | 9                      | Main. L. Yellowish brown (10YR 5/8), hard-packed sand; frequent lumps (10mm sq) and mottling of very dusky red (10YR 2.5/2), hard, compacted sand; some IF (20-30mm sq x 10-20mm sq).  |                 |
| A361     | 9                      | Main. L. Slightly darker brown sand than A359.   |                 |
| A362     | 11A//C<br>Yard         | Main. L/P. Yellowish red (5YR 5/6), loam, soft; patches of yellow and red sand; rare CF; crushed ironstone.  |                 |
| A365     | 7                      | Main. L. A365.1: dark reddish brown (5YR 3/4) burnt sand, crumbly; rare small burnt IF; CF (4mm sq); rare flecks limestone (1mm sq). A365.2: lens within A365.1; reddish yellow (7.5YR 6/8), clay, sticky; some limestone frags. A365.3: lens within             | CR11-3;NF;CH;PR |

| Layer no | Phase | Description   | Finds               |
|----------|-------|---|---------------------|
| A365     |       | A365.1; reddish yellow (7.5YR 6/8), clay, sticky; some small burnt IF (3mm sq); rare CF (2mm sq).   |                     |
| A366     | 6     | Main. L. Burnt sandy loam surface; much of area black (10YR 2/1); also mottling of yellowish red (5YR 5/6-5/8); frequent CF.  | CH                  |
| A368     | 6     | Main. L. Mixed sandy layer; predominantly reddish yellow (7.5YR 7/6,7/8), with patches of strong brown (7.5YR 5/8) and pinkish gray (7.5YR 7/2) sand, and patches of yellowish brown (10YR 5/6) sandy loam; occasional IF (c30mm x 30mm x 20mm).  |                     |
| A369     | 6     | Main. ?SH. D: 750mm (not bottomed). Cut 350mm wide at mouth, at depth of 250mm narrowing to 100mm wide. ?SH or animal burrow, or PH with animal burrow from bottom. Dark yellowish brown (10YR 3/6), crumbly, loam; occasional patches light gray to gray (10YR 6/1) clay; occasional CF. | NF                  |
| A370     | 6     | Main. PH. D: c350mm. Yellowish brown (10YR 5/6), sandy loam.  |                     |
| A371     | 6     | (372). Main. PH. D: 325mm. Post-pipe: dark yellowish brown (10YR 3/4), sandy loam, very soft and loose. Post-packing: brown to dark brown (10YR 4/3), loam, soft; flecks and patches of yellowish brown (10YR 5/8) sand, firm.  |                     |
| (A372)   | 6     | A371. Main. PH. D: 450mm. Post-pipe; dark reddish brown (5YR 3/4), sandy loam; CF; probably burnt. Post-packing: yellowish brown with dark yellowish brown patches (10YR 5/6,5/8,4/4), sand; a few CF.  |                     |
| A373     | 6     | (B135,137,139-40,142,146,150-1,154,157). Main. PH. D: c250mm. Dark yellowish brown (10YR 3/6) sandy loam with CF; patches of yellowish red (5YR 5/8) sand; a few small lumps of light gray (10YR 7/1) clay.   |                     |
| A374     | 6     | Main. L. Very dark grayish brown (2.5Y 3/2), loam, stiff; frequent CF.  |                     |
| A375     | 4     | =(B156). Main. L. Iron-pan. Very dark grayish brown (2.5Y 3/2) to light olive brown; loam; stiff; frequent CF.  | Rock crystal object |
| A376     | 4     | Main. ?TS. Band c100-50mm wide and c5mm thick; patches charcoal (10YR 2/1) in matrix dark yellowish brown (10YR 4/4-3/4), loam.   | CH                  |

| Layer no | Phase |   | Finds |
|----------|-------|---|-------|
| A377     | 2     | =(B131,216,275,296). Main. L. Dark yellowish brown (10YR 4/6), sandy loam, very soft; rare CF (2mm sq); rare IF (c10mm sq).   |       |
| A378     | 4     | (381,383). Main. ?SH.D: 50mm. Narrowing to point. Void.   |       |
| A379     | 4     | (380). Main. ?SH.D: 60mm. Void.   |       |
| (A380)   | 4     | A379. Main. ?SH.D: 60mm.  |       |
| (A381)   | 4     | A378. Main. ?SH.D: 80mm. Charcoal.  | CH    |
| A382     | 4     | (384-397). Main. ?SH.D: 75mm. Charcoal.   | CH    |
| (A383)   | 4     | A378. Main. ?SH.D: 145mm. Charcoal.   | CH    |
| (A384)   | 4     | A382. Main. ?SH.D: 145mm. Charcoal.   | CH    |
| (A385)   | 4     | A382. Main. ?SH.D: 65mm. Charcoal.  | CH    |
| (A386)   | 4     | A382. Main. ?SH.D: 90mm. Charcoal concentration.  | CH    |
| (A387)   | 4     | A382. Main. ?SH.D: 70mm. Charcoal.  | CH    |
| (A388)   | 4     | A382. Main. ?SH.D: 150mm. Charcoal.   | CH    |
| (A389)   | 4     | A382. Main. ?SH.D: 55mm. Charcoal.  | CH    |
| (A390)   | 4     | A382. Main. ?SH.D: 90mm. Charcoal.  | CH    |
| (A391)   | 4     | A382. Main. ?SH.D: 75mm. Charcoal.  | CH    |
| (A392)   | 4     | A382. Main. ?SH.D: 100mm. Charcoal.   | CH    |
| (A393)   | 4     | A382. Main. ?SH.D: 95mm. Charcoal.  | CH    |
| (A394)   | 4     | A382. Main. ?SH.D: 95mm. Charcoal.  | CH    |
| (A395)   | 4     | A382. Main. ?SH.D: 95mm. Charcoal.  | CH    |
| (A396)   | 4     | A382. Main. ?SH.D: 60mm. Green yellow, loosely packed, sandy loam.  |       |
| (A397)   | 4     | A382. Main. ?SH.D: 90mm. Charcoal.  | CH    |
| A398     | 4     | Main. ?SH.D: 150mm. Charcoal.   | CH    |
| A399     | 4     | (400). Main. ?SH.D: 90mm. Charcoal.   |       |
| (A400)   | 4     | A399. Main. ?SH.D: 100mm. ?Charcoal.  |       |
| A401     | 2     | (A402;B170-87,193-8,201-3,212,228-31,234,264-5). Main. PH.D: 170mm. Dark yellowish brown (10YR 3/4), sandy loam, soft, loose; patches yellowish red (5YR 4/6), soft sand (?re-deposited A377), some patches charcoal (c50-100mm x 1-200mm). | CR1   |
| (A402)   | 2     | A401. Main. PH.D: c170mm. Dark yellowish brown (10YR 3/4), very soft, loose, loam.  |       |
| A403     | 2     | (404,409). Main. ?PH.D: 60mm. Dark yellowish brown (10YR 3/4), sandy loam; some CF (c5mm sq).   |       |
| (A404)   | 2     | A403. Main. ??PH.D:750mm. Dark yellowish brown (10YR 3/4), soft, sandy loam.  |       |

| Layer no      | Phase                | Description   | Finds           |
|---------------|----------------------|---|-----------------|
| A405          | 10//<br>11Ci         | Main. L. Mixed; patches pale yellow to light yellowish brown (2.5Y 7/4,6/4) sand; lenses charcoal (2.5Y N2/0); patches reddish brown (5YR 5/3,5/4) burnt clay or sand. NOP.   |                 |
| A406          | 10//<br>11Ci         | Main. L. Yellow (10YR 7/6) clay. NOP.   |                 |
| A407          | 2                    | =(408). Main. Structural gully. U-shaped section. D: <u>c</u> 400mm. A407.1: brown to dark brown (7.5YR 4/4); very soft, sandy loam. A407.2: mottled patches, yellowish brown (10YR 5/8), yellowish brown (10YR 5/4-5/6), strong brown (7.5YR 5/6-5/8) sandy loam (?re-deposited natural). A403-4,409 = ?PHs in A407.   | Cu79;M1         |
| (A409)        | 2                    | A403. Main. PH.D: <u>c</u> 450mm from top of gully A407. Fill as A407.1 and 2.  |                 |
| <b>AREA B</b> |                      |   |                 |
| B1            | 11//<br>?post-<br>13 | Sec. L. Very dark grayish brown (10YR 3/2) loam; occasional lumps of charcoal; occasional small pieces of ironstone and limestone. First artificial spit removed in Trial Trench B. NOP.  |                 |
| B2            | ?12                  | Sec. L. Spread medium sized lumps ironstone and limestone. Matrix very dark grayish brown (10YR 3/2) loam; occasional lumps charcoal; occasional small pieces ironstone and limestone. NOP.   |                 |
| B3            | 11//<br>?post-<br>13 | =(3,3.2,3.3). Sec. P.D: <u>c</u> 1.70m. B3.2: dark brown (10YR 3/3), loam, soft; some light yellow clay; small lumps of ironstone; very rare CF. B3.3: brown to dark brown (10YR 4/3), silt; CF; small lumps ironstone and a few IF and LF.   | Cu33-4,71,100-1 |
| B3.1          | ?11A//C              | Sec. L/P, Very dark grayish brown (10YR 3/2) loam. NOP.   | Cul8            |
| B4            | ?11C//<br>12         | =(25.1-3). Sec. P or Robber. B4.D: <u>c</u> 600mm. Very dark grayish brown (10YR 3/3), loam, soft, loose crumbly; small lumps ironstone and limestone. B25.1. Olive brown (2.5Y 4/4) loam; scattered small ironstone lumps and frags; scattered CF. B25.2: very dark grayish brown (10YR 3/2); slightly clayey loam; red (2.5YR 4/6) loam lumps; scattered small ironstone lumps; scattered charcoal lumps. B25.3: dark brown slightly clayey loam; dark yellowish brown (10YR 4/4) |                 |

| Layer no | Phase        | Description   | Finds     |
|----------|--------------|---|-----------|
| B4       |              | mottling; rare small ironstone lumps, some burnt;<br>cont some CF.  |           |
| B5       | ?11A//<br>C  | Sec. L. Orange brown, sandy loam, soft; occasional<br>small lumps ironstone and limestone; flecks blue<br>grey and white clay. NOP.   |           |
| B6       | ?11A//<br>C  | Sec. L. Dark brown, loam, soft. NOP.  |           |
| B7       | ?11A//<br>C  | Sec. L. Dark gray to very dark grayish brown (10YR<br>4/1,3/2), clayey loam. Light gray (10YR 7/1), clay;<br>IF. NOP.   | ST1       |
| B8       | ?11A//<br>C  | Sec. L. Charcoal spread. NOP.   |           |
| B9       | ?11A//<br>C  | Sec. L. Mixed dark brown loam; clay patches. NOP.   |           |
| B10      | ?11A//<br>C  | Sec. L. Orange brown loam. NOP.   |           |
| B11      | ?11A//<br>C  | Sec. L. Very dark grayish brown (2.5Y 3/2), clayey<br>loam; light brownish gray (2.5Y 6/2), clay patches;<br>CF and small lumps ironstone, occasionally burnt;<br>CF. NOP.                        |           |
| B12      | ?11C//<br>13 | Sec. L. Very dark grayish brown (10YR 3/2), mixed<br>loam; very patchy; IF; CF. NOP.  | Fe25      |
| B13      | ?11C         | Sec. L. Dark brown, loam, soft. NOP   | fs        |
| B14      | ?11C         | Sec. L. Dark yellowish brown (10YR 3/4), loam,<br>soft; scattered CF; scattered medium sized pieces<br>of ironstone. NOP.   |           |
| B15      | ?11C         | =(17). Sec. L. Dark yellowish brown (10YR 3/4),<br>slightly clayey loam; frequent small lumps yellowish<br>brown (10YR 5/6), clayey loam; scattered IF; rare<br>small lumps mortar; rare CF. NOP. |           |
| B16      | ?11C         | Sec. L. Olive brown (2.5Y 4/4), loam, compact;<br>frequent small ironstone pieces, frequently burnt;<br>frequent CF. NOP.   |           |
| B18      | ?11C         | =(39). Sec.??PH.D: <u>c</u> 50mm. Dark reddish brown (2.5YR<br>3/4), burnt loam; small IF and LF in centre. NOP.  |           |
| B19      | ?11C         | =(33). Sec. L. Dark reddish brown (2.5YR 2.5/4) burnt<br>loam; patches clay; frequent burnt and unburnt small<br>pieces ironstone; scattered CF. NOP.   |           |
| B20      | ?11A//<br>C  | =(21-4). Sec. L. Brown to dark brown to dark yellowish<br>brown (10YR 5/3,4/3,4/6), slightly clayey loam, soft;<br>frequent small lumps of dark yellowish brown (10YR                             | Cu8,11;T3 |

| Layer no | Phase        | Description   | Finds |
|----------|--------------|---|-------|
| B20      |              | 7/1) clay; frequent small to large pieces ironstone, rare limestone, burnt/unburnt; rare charcoal lumps. NOP.   |       |
| B25.4    | 8//<br>?11C  | Sec. L. Dark yellowish brown (10YR 3/4), silty loam- with patches of yellowish brown (10YR 5/6), sandy loam; rare small ironstone lumps; some CF. NOP.  |       |
| B26      | ?11C//<br>13 | =(27). Sec. L. Olive brown to very dark grayish brown (2.5Y 4/4,3/2), slightly clayey loam, compact; patches of dark reddish brown (5YR 3/2) loam, very compact, ?iron-pan; frequent small ironstone lumps, rarely burnt; frequent charcoal lumps. NOP. |       |
| B28      | ?11C         | =(45). Sec. L. Surface of small IF; matrix of very dark grayish brown (2.5Y 3/2) loam, rare CF. NOP.  |       |
| B29      | ?11C         | Sec. L. Dark brown (10YR 3/3) loam; light gray/gray (10YR 6/1), clay. NOP.  |       |
| B30      | ?11C         | Sec. P.D: 1.20m. Very dark grayish brown (10YR 3/2), loam, loose, soft; occasional medium sized lumps of ironstone and limestone; CF.   |       |
| B31      | 8//?<br>11C  | Sec. L. Very mixed; dark brown (10YR 3/3) loam; flecks yellow, white, gray clay; small burnt IF. NOP.   |       |
| B32      | ?11C         | Sec. L. Dusky red (10R 3/2) burnt loam. NOP.  |       |
| B34      | ?11C         | Sec. Several slabs ironstone and limestone; upper surfaces burnt. NOP.  |       |
| B35      | 8//<br>?11C  | Sec. Several large slabs ironstone and limestone; burnt upper surfaces. NOP.  |       |
| B36      | 8//<br>?11C  | Sec. P.D: 100-50mm. Dark brown (10YR 3/3) loam, soft; orange flecks; CF.  |       |
| B37      | 8//<br>?11C  | Sec. L. Very dark grayish brown (10YR 3/2) loam; hard-packed. NOP.  |       |
| B38      | 8//<br>?11C  | Sec. L. Brown to dark brown (7.5YR 4/4), sandy loam; flecks orange; burnt IF charcoal patches. NOP.   |       |
| B40      | 11Cii        | Sec. ?Robber of A10. Dark brown (10YR 3/3), loam; frequent stones. NOP.   |       |
| B41      | 8//10        | Sec. L. Very dark grayish brown (2.5Y 3/2), loam; mixed, loose but compact surface; rare flecks of light orange; rare red, ?burnt IF; frequent CF.  |       |



| Layer no | Phase       | Description   | Finds     |
|----------|-------------|---|-----------|
| B46      | ?11C        | Sec. P.D: 2-300mm. Dark brown (10YR 3/3), loam, soft; rare flecks light orange loam; occasional CF; occasional small lumps and IF.  |           |
| B48      | 8//<br>?11C | Sec. P.D: <u>c</u> 1.60m. B48.1: dark yellowish brown (10YR 3/4), loam, soft. B48.2: yellowish brown (10YR 5/6) sandy loam, soft with patches of dark red (2.5YR 3/6); some ironstone. B48.3: dark brown (10YR 3/3), rare CF. B48.4: brown to dark brown (10YR 4/3), clayey loam. B48.5: as A222, probably re-deposited A222. | Fe14,S;FS |
| B49      | ?11C        | =(51). Sec. P. Olive brown (2.5Y 4/4) to very dark grayish brown (2.5Y 3/2), clayey loam; rare small lumps ironstone and limestone; rare CF.  | fs        |
| B50      | ?11C        | Sec. P. Very dark grayish brown (2.5Y 3/2) loam; rare flecks orange brown loam; frequent CF; frequent white flecks ?shell; rare small lumps ironstone/limestone.  |           |
| B52      | 8//<br>?11C | Sec. P.D: <u>c</u> 150mm. Dark brown (10YR 3/3), loam; rare small ironstone pieces; rare CF.  |           |
| B53      | 8//<br>?11C | =(54-5,58). Sec. L. Mottled brown to dark brown to dark yellowish brown (10YR 4/3,3/4,3/3), clayey loam; yellowish red (5YR 5/6), sandy loam; rare lumps yellow (10YR 7/6), sandy clay; rare small ironstone pieces; rare CF and one concentration of charcoal lumps. NOP.  |           |
| B56      | 8//10       | Sec. L. Strong brown to brown to dark brown (7.5YR 5/6,4/4), silty sand; occasional small lumps, and IF. NOP.   |           |
| B57      | 8//10       | Sec. L. Very dark grayish brown (2.5Y 3/2), loam, hard-packed; rare CF, occasional IF: NOP.   |           |
| B59      | 8//10       | Sec. L. Dark yellowish brown (10YR 3/4), loam, soft; frequent small lumps of ironstone; occasional CF. NOP.   |           |
| B60      | 8//?<br>11C | =(62). Sec. L. Dark yellowish brown (10YR 3/4), soft, loam; frequent flecks orange; rare CF. B60 may be same layer as B61. NOP.   |           |
| B61      | 8//10       | Sec. L. Dark reddish brown (5YR 3/4) clayey loam; IF, CF. B61 may be same layer as B60. NOP.  |           |
| B64      | 8//?<br>11C | Sec. P.D: 1.10m. B64.1: dark yellowish brown  |           |

| Layer no | Phase  | Description  | Finds |
|----------|--------|--|-------|
| B64      |        | (10YR 3/4), clayey loam; orange patches; occasional Fe8;fs   |       |
| cont     |        | CF. B64.2-8: dark brown (10YR 3/3), loam, soft.  |       |
| B65      | 11//   | Sec. Wall. Single large block ironstone; seen only   |       |
|          | ?post- | in section. NOP.   |       |
|          | 13     |  |       |
| B70      | 6      | Main. ??? PH.D 20-30mm. Clear vertical edges. Red (2.5YR 4/6) to dark red (2.5YR 3/6), sandy loam, soft; rare CF; frequent IF, ?burnt.   |       |
| B71      | 6      | Main. ??? PH or PHs.D: 20-30mm. Fill as B70.   |       |
| B72      | 6      | (73,77-8,81-8). Main. Lens/???PH.D: 10mm. Fill as B70.   |       |
| (B73)    | 6      | B72. Main. Lens/???PH.D: 10mm. Fill as B70.  |       |
| B74      | 6      | (B75) Main. Lens/???PH.D: 10mm. Fill as B70.   |       |
| (B75)    | 6      | B74. Main. Lens/???PH.D: <u>c</u> 5mm. Fill as B70.  |       |
| B76      | 6      | Main. Lens/???PH or PHs.D: 5-20mm. Fill as B70.  |       |
| (B77)    | 6      | B72. Main. Lens/???PH or PHs.D: 4mm. Fill as B70.  |       |
| (B78)    | 6      | B72. Main. Lens/???PH.D: <u>c</u> 10mm. Fill as B70.   |       |
| B79      | 6      | Main. Lens/??PH.D: 40mm. Fill as B70.  |       |
| B80      | 6      | Main. Lens/???PH.D: 5mm. Fill as B70.  |       |
| (B81)    | 6      | B72. Main. Lens/???PH.D: <u>c</u> 10mm. Fill as B70.   |       |
| (B82)    | 6      | B72. Main. Lens/???PH.D: 5mm. Fill as B70.   |       |
| (B83)    | 6      | B72. Main. Lens/???PH.D: 3mm. Fill as B70.   |       |
| (B84)    | 6      | B72. Main. Lens/???PH.D: 3mm. Fill as B70.   |       |
| (B85)    | 6      | B72. Main. Lens/???PH.D: 2mm. Fill as B70.   |       |
| (B86)    | 6      | B72. Main. Lens/???PH.D: <u>c</u> 4mm. Fill as B70.  |       |
| (B87)    | 6      | B72. Main. Lens/???PH.D: <u>c</u> 2mm. Fill as B70.  |       |
| (B88)    | 6      | B72. Main. PH.D: 370mm. B88.1: (7.5YR 3/2), loam, soft; some CF. B88.2: black (7.5YR N2/0), loam, loose soft.  |       |
| B90      | 6      | =(91-8,141,152). Main. P/L. Subsidence in to pit, or pit. Various patches. Dark yellowish brown to dark grayish brown to very dark grayish brown to very dark gray (10YR 3/4,4/2,3/2,3/0); sandy/clayey loam; hard crumbly to soft sticky; rare CF; rare IF; some burnt. Dark reddish brown (5YR 3/4) sandy/clayey loam, hard crumbly to soft sticky; rare CF; rare lumps ironstone, some burnt. |       |
| B99      | 6      | Main. L. Dark reddish brown (5YR 3/3); sandy loam; soft, slightly sticky; rare CF; lumps of ironstone, some burnt.   |       |

| Layer no | Phase       | Description   | Finds        |
|----------|-------------|---|--------------|
| B101.2   | 4           | =(101.3-5). Main. P.D: <u>c</u> 550mm. B101.2: dark reddish gray (5YR 4/2) loam; CF. B101.3: yellowish red (5YR 4/6) loam. B101.4: dark reddish brown (5YR 3/3,3/4) loam. B101.5: dark yellowish brown (10YR 3/6), clayey loam; CF.   |              |
| B105     | ?8//<br>11B | Sec. P.D: 1.5m, not bottomed. B105.1: dark yellowish brown (10YR 4/4,3/4), loam, soft; frequent small lumps ironstone (average size 20mm x 10mm); frequent CF. B105.2: mixed patches sand, yellowish brown (10YR 5/6,5/8) to dark yellowish brown (10YR 4/6), very soft. B105.3: very dark grayish brown to dark brown (10YR 3/2,3/3), loam, very soft; frequent flecks and lumps charcoal; rare small lumps ironstone (average size 30-40mm x 10mm); lenses of charcoal in matrix loam as above; mixed lenses light gray to light brownish gray (10YR 7/2,6/2), olive yellow (5Y 5/6), sandy clay, soft. Identified on surface as 3 concentric bands corresponding to 3 layers of fill. NOP. | Fe13;WB19    |
| B106     | ?11A//<br>C | Sec. P.D: <u>c</u> 1.5m (not bottomed). Pit lining of small slabs of ironstone (average <u>c</u> 100mm by 50mm), thinly bedded, in regular courses, in matrix of crushed ironstone. Fill of dark yellowish brown (10YR 4/4) loam, soft. Section indicates possibly sealed by slabbing of A3.3. NOP.   | GL29,77      |
| B108     | ?6//<br>11B | =(136). Sec. PH.D: <u>c</u> 50mm. Black (7.5YR N2/0) loam, very soft and loose; high percentage of charcoal.  |              |
| B118     | ?8//<br>11B | Sec. P.D: <u>c</u> 1.1m. B118.1: dark yellowish brown (10YR 3/6) loam, soft-firm; some charcoal; CF; flecks of clay. B118.2: crushed ironstone in matrix of yellowish brown (10YR 5/8) sand; rare CF. B118.3: dark brown to dark yellowish brown (10YR 4/4,3/3), loam, soft, slightly sticky; frequent CF; clay flecks; some IF; rare LF. Identified on surface as 3 concentric bands corresponding to 3 levels of fill; similar to B105.   |              |
| B119     | ?11A//<br>C | =(120.1,121.1,121.2,123.1,123.2). Sec. P/L. Pit fill or subsidence in to pit. D: <u>c</u> 5-600mm. Brown to dark brown (10YR 4/3,3/3), sandy silt/silty   | Fe7,17;fs;H3 |

| Layer no | Phase         | Description   | Finds         |
|----------|---------------|---|---------------|
| B119     |               | sand, firmly packed; patches yellow, brownish yellow, brown, yellowish brown, yellowish red, (10YR 7/6, 7/8, 6/6, 5/3, 5/4, 5/6; 5YR 5/6), sand; CF; burnt/unburnt IF; some green staining. NOP.  |               |
| B120.2   | ?11A//<br>11C | =(120.3, 123.5). Sec. P.D: <u>c</u> 800mm. Yellowish brown to brown to dark brown (10YR 5/6, 5/4, 4/3, 3/3); silt/clay; IF, burnt/unburnt; CF; some green staining; patches yellow (10YR 7/6) clay; layer IF in matrix of reddish yellow to dark brown (7.5YR 6/8; 10YR 3/3), silty clay; layer strong brown to yellow (7.5YR 5/6; 10YR 7/6) sand; layer yellow to brownish yellow (7.5YR 7/8, 6/8) sand; layer mixed yellow to brownish yellow, brown to dark brown to dark yellowish brown (7.5YR 7/6, 6/6; 10YR 4/4, 4/3) sand/clay. | fs; H2        |
| B121.3   | ?11A//<br>C   | Sec. P.D: <u>c</u> 400mm. Brown to dark brown (10YR 4/3, 3/3), silt; CF; burnt/unburnt ironstone.   |               |
| B122     | ?11C//<br>13  | Sec. P. Excavated D: <u>c</u> 1.4m (not bottomed). Stone lining to depth <u>c</u> 1.00m; 400mm unlined; mostly ironstone blocks, occasional limestone; blocks <u>c</u> 100-200mm x 200mm x 50-100mm; irregular courses. Fill of very dark grayish brown (2.5Y 3/2), loam, soft, IF, small lumps ( <u>c</u> 50-100mm sq), rarely burnt; frequent CF.   | Cul, 15; GL79 |
| B123.3   | ?8//<br>11C   | =(123.6) Sec. P.D: <u>c</u> 250-300mm. Various layers. Very pale brown to light yellowish brown to brownish yellow (10YR 8/4, 6/4, 6/6), some CF; yellow (10YR 7/8, 7/6) sand; brown to dark brown (10YR 4/3), silt; CF; loosely packed IF (20mm max) in matrix of reddish yellow to strong brown (7.5YR 6/8, 5/8), silty clay; yellowish brown to brown to dark brown (10YR 5/4, 4/3) clay, some CF.   |               |
| B123.4   | ?4//<br>11C   | =(126). Sec. P. Various layers: brown to dark brown (10YR 4/3) silt, rare CF, rare sand patches; dark reddish brown (2.5YR 3/4), burnt loam, charcoal; dark grayish brown (2.5YR 4/2) loam, sticky, rare CF; very dark grayish brown (2.5YR 3/2) loam, firm rare CF; very dark grayish brown (10YR 3/2) silt, rare CF, frequent sand patches.   |               |

| Layer no | Phase         | Description  | Finds     |
|----------|---------------|--|-----------|
| B124     | ?11A//<br>11C | Sec. L. Dark yellowish brown to dark brown (10YR 3/4,3/3), clayey loam, stiff; flecks of yellowish red (5YR 4/6). NOP.   |           |
| B125     | ?11A//<br>11C | Sec. L. Scatter of mixed ashy material and burnt clay; flecks black (2.5Y N2/0); flecks light gray to gray (2.5Y N7/0,N6/0); flecks light brown to brown (7.5YR 6/4,5/4). NOP.   |           |
| B128     | 8//<br>11A    | Sec. L. Irregularly shaped and laid, but tightly packed, lumps of ironstone, with rare limestone on top; one very large block (c400mm sq), most other blocks much smaller (c100-150mm sq); matrix of dark yellowish brown (10YR 4/6) soft, loam. NOP.  |           |
| B129     | 11B/C         | Sec. P.D: c1.2m (not bottomed). B129.1: IF (max 70mm) in matrix of reddish yellow to strong brown (7.5YR 6/8,5/8; 10YR 7/8,6/8). B129.2: grayish brown to yellowish brown (2.5Y 5/2; 10YR 5/4) clay; yellow to yellowish brown (10YR 7/6,5/6) sand; CF; IF. B129.3: light olive brown to olive brown (2.5Y 5/4,4/4) silt, loosely packed; many IF (max 20mm); some CF. | Cu89;Fe18 |
| B130     | .8//<br>10    | Sec. P.D: c1.00m. B130: brown to dark yellowish brown to dark brown (10YR 4/3,4/4,3/3), silty sand; CF. B130.1: dark yellowish brown (10YR 4/4), loam; rare CF; patches strong brown (10YR 5/8), sand; some stone frags (200mm max); rare CF. B130.2: dark yellowish brown (10YR 4/4,3/4); loam; patches/flecks strong brown (10YR 5/3) sand. NOP.                     | fs;SW1    |
| (B135)   | 6             | A373. Main. ?PH.D: c200mm. B135.1: brown to dark brown (10YR 4/3), loam/silt; some CF; rare IF. B135.2: brown to dark brown (7.5YR 4/4), silt; rare CF. B135.3: brown to dark brown (7.5YR 4/2); rare CF; some IF.   | fs        |
| (B137)   | 6             | A373. Main. ??PH.D: c150mm. Yellowish red (5YR 4/6), sandy loam, loose; soft; rare CF.   |           |
| (B139)   | 6             | A373. Main. ?PH.D: c200mm. Brown to dark brown (10YR 4/3,3/3), silty sand; rare CF; rare IF.   |           |
| (B140)   | 6             | A373. Main. ??PH.D: c100mm. Grey brown silt; some red orange flecks.   |           |

| Layer no | Phase       | Description   | Finds |
|----------|-------------|---|-------|
| (B142)   | 6           | A373. Main. ??PH.D: 75mm. Dark brown (10YR 3/3), loam, very soft, slightly sticky; some CF.   |       |
| B143     | ?6          | Main. ?PH.D: 200mm. Dark yellowish brown (10YR 3/4), sandy silt, crumbly; rare charcoal.  |       |
| B145     | 6//10       | Main. ??PH.D: 50mm. Dark yellowish brown (10YR 4/4) loam, very soft, sticky; rare CF.   |       |
| (B146)   | 6           | A373. Main. ?PH.D: 80mm. Grayish brown to dark grayish brown (10YR 5/2,4/2), silt; rare CF; rare IF.  |       |
| B147     | ?6//<br>11B | Sec. P/L. Dark grayish brown to dark brown (10YR 4/2, 3/3), silt; frequent CF; IF (max. 20mm), some burnt; flecks of yellow.  |       |
| B148     | 6           | Main. ??PH.D: 50-70mm. Dark reddish brown (5YR 3/3); loam/silt; rare CF.  |       |
| B149     | 6           | Main. ??PH.D: 20-30mm. Dark grayish brown (10YR 4/2), silt; some IF; rare CF.   |       |
| (B150)   | 6           | A373. Main. ???PH/L.D: 15mm. Fill = A222.   |       |
| (B151)   | 6           | A373. Main. ??PH.D: <u>c</u> 80mm. Dark grayish brown (10YR 4/2), silt; CF; some IF, some burnt.  |       |
| B153     | 6           | Main. P/L.D: <u>c</u> 130mm. Brown to dark brown to yellowish brown (10YR 4/4,4/3,3/3), silt; frequent CF; small patches strong brown (7.5YR 5/6,5/8).  |       |
| (B154)   | 6           | A373. Main. ??PH.D: 50mm. Reddish brown (5YR 4/4) silty clay; CF.   |       |
| (B157)   | 6           | A373. Main. ???PH.D: <u>c</u> 100mm. Darker area of A223.   |       |
| B158.2   | 2           | =(158.3,159). Main. P. Pit in NE corner of Trench B.1.6m+ (W-E) x 0.50-60m+ (N-S). D: <u>c</u> 600m.<br>B158.2: dark brown to dark yellowish brown to very dark grayish brown (10YR 3/3,3/4,4/4,3/2); silt; very frequent CF; patches yellow loam; some IF (max 50mm). B158.3: orange brown sand, CF.<br>B159: yellow to brownish yellow to yellowish brown to dark yellowish brown (10YR 7/6,6/6,5/6,4/4), silty sand; patches of white yellow sand; CF. B159.1: (10YR 5/6,6/6,7/6); silty sand; rare CF. B159.2: (10YR 4/6,3/6), silty clay; rare charcoal; patches fawn - yellow orange sand; some IF; patches green brown (5mm). B159.3: (7.5YR 6/5) sand; (10YR 4/6) sand. Single ???PH outside SE corner. | Cu85  |
| B160     | 2           | (161-2). Main. Three small patches of mortar; (10YR M2  |       |

| Layer no | Phase | Description  | Finds |
|----------|-------|--|-------|
| B160     |       | 7/3,7/6,8/3); very soft. Within layer A224 or overlaid by it. NOP.   |       |
| (B161)   | 2     | B160. Main. Two small patches of mortar. As B160. ? Within layer A224 or overlaid by it. NOP.  |       |
| (B162)   | 2     | B160. Main. Strip of mortar. As B160. ?Within layer A224 or overlaid by it. On one side, mortar enclosing small circular areas as if of wattling? NOP.   |       |
| (B164)   | 2     | B188. Main. PH.D: c320mm. Square mouth; shallow 'step' c50mm from top all way round; narrowing to pointed bottom. B164.1: dark brown (10YR 3/3) clay/loam, soft; occasional CF; post-pipe or second phase of post-hole. B164.2: yellowish brown (10YR 5/6), sandy loam; occasional CF; post-packing or first phase of post-hole.   |       |
| B165     | 2     | =(168,244) (166-7,219-20,256-8). Main. <u>Slot C</u> . TS.B165.2 localised layer at W end; B168.1 and 168.2 at E end equivalent to single layer B165.1 at W end. B165.1: 10YR 5/6, yellowish brown, loam and sand; some CF; some IF, a few small. B165.2: 10YR 4/3, brown - dark brown loam, mixed with 10YR 5/6 yellowish brown, sand; more frequent charcoal than in B165.1, including patch of charcoal 10YR 2/1, black, mixed with 10YR 3/2, very dark grayish brown loam. B168.1: 10YR 5/8 yellowish brown, sand; rare CF; a few flecks yellow sand; some small iron-stones. B168.2: 10YR 5/6-4/6 yellowish brown to dark yellowish brown sandy loam; some lumps charcoal; more frequent flecks yellow sand than in B168.1. | CH    |
| (B166)   | 2     | B165. Main. (Slot C). PH. Dark grayish brown (10YR 3/2) loam; frequent charcoal (10YR 2/1).  |       |
| (B167)   | 2     | B165. Main. (Slot C). PH/SH. Fill as B165.   | CH    |
| B169.1   | 2     | =(233,243) (169.2,208-9,246-8,250-2). Main. <u>Slot B</u> . Yellowish brown to dark yellowish brown (10YR 5/6 to 4/4 to 4/6), silty sand and sandy loam, CF, some IF, a few small.   | M3    |
| (B169.2) | 2     | (=249). B169.1. Main. (Slot B). PH. Brownish yellow to yellowish brown to dark yellowish brown, (10YR 6/6 - 5/6 - 4/6); silty sand and sandy loam; rare CF, some IF.   |       |

| Layer no | Phase | Description   | Finds |
|----------|-------|---|-------|
| (B170)   | 2     | A401. Main. ?PH.D: 100mm. Sub-rectangular. Dark yellowish brown (10YR 3/6); sandy clay; slightly sticky; rare CF.   |       |
| (B171)   | 2     | A401. Main. ?PH.D: 150mm. Circular at mouth narrowing to point at bottom. Fill as B170.   |       |
| (B172)   | 2     | A401. Main. ??PH.D: <u>c</u> 60mm. Irregular square. Fill as B170.  |       |
| (B173)   | 2     | A401. Main. ???PH. 3 irregular depressions. D: 25mm, 40mm, 60mm. Irregular oval/sub-rectangular. Fill as B170.  |       |
| (B174)   | 2     | A401. Main. PH/s. Possibly 2 posts. D: 170mm, 200mm. Fill as B170.  |       |
| (B175)   | 2     | A401. Main. ?PH.D: <u>c</u> 30mm. Oval/sub-rectangular with rounded bottom. Dark yellowish brown (10YR 3/6), sandy clay, tightly packed; rare CF.   |       |
| (B176)   | 2     | A401. Main. ?PH.D: 50-150mm. Irregular rectangle with flat bottomed socket. Dark yellowish brown (10YR 3/6), sandy clay, slightly sticky; occasional small stones.  |       |
| (B177)   | 2     | A401. Main. ?PH.D: <u>c</u> 110-60mm. Irregular rectangle. Fill as B176.  | GL4   |
| (B178)   | 2     | A401. Main. PH.D: <u>c</u> 270mm. Square at mouth narrowing to point at bottom. Dark brown (10YR 3/3), sandy loam, frequent CF; occasional dark yellowish brown (10YR 4/6) patches, sandy loam.   |       |
| (B179)   | 2     | A401. Main. PH.D: <u>c</u> 200mm. Squarish shape at mouth narrowing to point at bottom. B179.1: dark yellowish brown (10YR 3/4), sandy loam; frequent lumps charcoal ( <u>c</u> 10mm sq). B179.2: yellowish brown (10YR 5/8), sand. B179.3: yellowish brown, (10YR 5/4), sandy loam, rare lumps charcoal ( <u>c</u> 10mm sq). | CH    |
| (B180)   | 2     | A401. Main. ?PH.D: <u>c</u> 200mm. Roughly circular at mouth narrowing to point at bottom. Yellowish brown (10YR 5/6); frequent CF, particularly towards centre.  |       |
| (B181)   | 2     | A401. Main. PH.D: <u>c</u> 200mm. Rounded square, sloping sides; flat bottom. Dark yellowish brown (10YR 4/6), sandy clay, firm; very rare charcoal.  |       |
| (B182)   | 2     | A401. Main. PH.D: <u>c</u> 200mm. Oval/sub-rectangular at mouth, straight-sided, flat bottom. Dark yellowish  |       |



| Layer no | Phase | Description   | Finds |
|----------|-------|---|-------|
| (B182)   |       | brown (10YR 4/6), sandy clay, loosely packed; occasional CF.  |       |
| (B183)   | 2     | A401. Main. ?PH.D: 20mm. Dark yellowish brown (10YR 3/6), silty, sandy clay; rare CF.   |       |
| (B184)   | 2     | A401. Main. ???PH. Squarish shallow cut D: <u>c</u> 20-5mm with small roughly circular cut <u>c</u> 75m diameter from bottom for another <u>c</u> 120mm. Animal hole/SH. Dark yellowish brown (10YR 4/4), loam; occasional CF.  | CH    |
| (B185)   | 2     | A401. Main. PH.D: <u>c</u> 100mm. Circular/sub-rectangular with sloping sides and flat bottom. Dark yellowish brown (10YR 4/6), sandy clay, fairly loose; rare CF.  |       |
| (B186)   | 2     | A401. Main. PH.D: <u>c</u> 300mm. Rounded square at mouth, straight-sided, narrowing to roughly flat bottom. B186.1: dark yellowish brown (10YR 4/6); patches of dark brown (10YR 3/3), loam; occasional CF; probably slump in to top of post. B186.2: yellowish brown (10YR 5/8); rare dark brown (10YR 3/3) loam patches; probably post-pipe. B186.3: as B186.1; probably post-packing. | CH    |
| (B187)   | 2     | A401. Main. ?PH. Squarish shallow cut D: <u>c</u> 30mm; deeper cut for post on N side <u>c</u> 200mm deep, straight sided, flat bottomed. Dark yellowish brown; (10YR 4/6); sand; firm; frequent patches charcoal (4mm sq); rare LF.  | CH    |
| B188     | 2     | =(191,213-4,253-5,262,266-7)(164,189-90,199-200,204-5,217-8,218a,222-3,225,235-42,245,273-4,276,281-2,285-92,297-8,300). Main. <u>Slot A</u> . TS. Yellowish brown (10YR 5/4-5/8) silty sand and sand, patches of 10YR 6/6 and 6/8, brownish yellow, sand; some CF (some large); IF, some burnt.  | fs    |
| (B189)   | 2     | A188. Main. (Slot A). PH. Yellowish brown (10YR 5/6) sandy loam; some CF and IF.  |       |
| (B190)   | 2     | A188. Main (Slot A). PH. Yellowish brown (10YR 5/6), sandy loam; some CF and IF.  |       |
| (B193)   | 2     | A401. Main. PH.D: <u>c</u> 100mm. Circular - square mouth, rounded bottom. Yellowish brown (10YR 5/6); sand; rare CF (3mm sq); frequent IF ( <u>c</u> 10mm sq +); rare IF.  | CH    |
| (B194)   | 2     | A401. Main. PH.D: <u>c</u> 200mm. Oval/sub-rectangular mouth, rounded bottom. Yellowish brown (10YR 5/6), sand, firm; some ironstones ( <u>c</u> 15mm sq); CF ( <u>c</u> 1-5mm); rare   |       |

| Layer no | Phase | Description   | Finds |
|----------|-------|---|-------|
| (B195)   | 2     | A401. Main. PH.D: <u>c200mm</u> . Oval/sub-rectangular at mouth, sloping sides, flat bottom. Yellowish brown (10YR 5/6), sand; patches yellowish brown (10YR 5/4,5/8) sand; CF (4-10mm sq); some IF, mostly larger than 10mm sq.  |       |
| (B196)   | 2     | A401. Main. PH.D: <u>c200mm</u> . Circular/square, straight sides, flat bottom. Dark yellowish brown (10YR 4/6) sandy loam, firm; CF ( <u>c3mm</u> sq); some small IF.  | CH    |
| (B197)   | 2     | A401. Main. ???PH.D: <u>c150-200mm</u> . Irregular shape; possibly 2 posts; possibly roots/animals. Yellowish brown (10YR 5/6), dark yellowish brown (10YR 3/4), sandy loam, firm; CF. ( <u>c4mm</u> sq +); some ironstone frags varying from 10mm sq to 70mm x 40mm.     | CH    |
| (B198)   | 2     | A401. Main. ?PH.D: <u>c200mm</u> . Shape at mouth unclear because later interference; straight sides; flat bottom. Fill as B197.  | CH    |
| (B199)   | 2     | B188. Main. (?Slot A). ??PH.D: <u>c50mm</u> . Yellowish brown (10YR 5/4); sandy loam. ?Related to Slot A, or later and independent.   |       |
| (B200)   | 2     | B188. Main. (?Slot A). ??PH.D: <u>c50mm</u> . Dark yellowish brown (10YR 4/4), sandy loam. ?Related to Slot A, or later and independent.  |       |
| (B201)   | 2     | A401. Main. ??PH.D: <u>c120mm</u> . Yellowish brown (10YR 5/6) sandy loam.  |       |
| (B202)   | 2     | A401. Main. ?PH.D: <u>c100mm</u> . Yellowish brown (10YR 5/6), sandy loam.  |       |
| (B203)   | 2     | A401. Main. PH.D: <u>c170mm</u> . Yellowish brown (10YR 5/6) sandy loam.  |       |
| (B204)   | 2     | B188. Main. (?Slot A). ???PH.D: <u>c20-5mm</u> . Yellowish brown (10YR 5/6), sandy loam.  |       |
| (B205)   | 2     | B188. Main. ???PH/s. Two shallow depressions; depths <u>c50mm</u> , <u>c25mm</u> . Yellowish brown (10YR 5/6), sandy loam.  |       |
| B206     | 2     | Main. PH/P. B206=B158.2 plus B215 before they could be distinguished. Dark yellowish brown (10YR 4/6, 3/6), silty sand; rare CF; rare MF. NOP.  |       |
| B207     | 2     | Main. P.D: <u>c300mm</u> . B207.1: dark yellowish brown (10YR 3/6); loam, firm; rare CF; occasional frag crushed ironstone. B207.2: dark grayish brown (10YR 4/2), loam, firm; rare CF. B207.3: yellowish brown (10YR 5/4), sand, very soft; possibly natural ie overcut. |       |

| Layer no | Phase | Description  | Finds |
|----------|-------|--|-------|
| (B208)   | 2     | B169.1. Main. (Slot B). PH. Yellowish brown - dark yellowish brown (10YR 5/6,4/4,4/6); sandy, loam; some CF, IF and LF.  | Cul7  |
| (B209)   | 2     | B169.1. Main. (Slot B). PH. Yellowish brown - dark yellowish brown (10YR 5/6,4/4,4/6), sandy loam; some CF, IF and LF.   |       |
| B210     | 2     | Main. PH.D: <u>c</u> 100-50mm. Oval/sub-rectangular mouth; straight sides; flat bottom. Yellowish brown (10YR 5/8), sandy, loam.   |       |
| B211     | 2     | =(221). Main (Slots B and C). Fill of cross-section of slots B(B165) and C(B169.1) ie = B165 + B169.1. B211.1: dark yellowish brown (10YR 4/6), loam; rare CF, patch of mortar; rare small ironstones. B211.2: strong brown (7.5YR 5/6,5/8) sand; rare CF, some small ironstones. B211.3: yellowish brown (10YR 5/8) sand and loam; rare CF, some IF. NOSD. NOP. |       |
| (B212)   | 2     | A401. Main. ???PH.D: <u>c</u> 20-25mm. Roughly circular. Fill as B180.   |       |
| B215     | 2     | Main. ?PH.D: <u>c</u> 400mm. Dark yellowish brown (10YR 3/6); silty sand; rare charcoal; some small IF ( <u>c</u> 10mm).   |       |
| (B217)   | 2     | B188. Main. (Slot A). ???PH/pocket in slot fill. Yellowish brown (10YR 5/6,5/8), silty sand; occasional CF.  |       |
| (B218)   | 2     | B188. Main. (Slot A). Yellowish brown - dark yellowish brown (10YR 5/6,4/4), silt, sandy loam; some CF.  | bts   |
| (B218a)  | 2     | B188. Main. (Slot A). ?Part of 218 or distinct PH. Fill as 218.  |       |
| (B219)   | 2     | B165. Main. (Slot C). PH. Dark yellowish brown (10YR 4/4); some CF; a few small ironstones.  |       |
| (B220)   | 2     | B165. Main. (Slot C). PH. Dark yellowish brown (10YR 4/4); some CF; a few small ironstones.  |       |
| (B222)   | 2     | B188. Main. (Slot A). ?PH. Yellowish brown (10YR 5/6), silty sand; occasional CF, rare IF.   |       |
| (B223)   | 2     | (=232) B188. Main. (Slot A). Brownish yellow - yellowish brown - dark yellowish brown (10YR 6/6, 5/6,4/6), silty sand, with some patches white sand; some CF and IF.   | CH    |
| (B224)   | 2     | =?218a or 236. Main. (Slot A). ?PH. B224.1:  |       |

| Layer no | Phase | Description   | Layer |
|----------|-------|---|-------|
| B224     |       | brownish yellow (10YR 6/6) mixed with yellow (10YR 7/6), sand; some CF. B224.2: yellowish brown (10YR 5/8), sandy loam, a few CF. NOSD. NOP.  |       |
| (B225)   | 2     | B188. Main. (Slot A). ???PH/pocket in slot fill. Yellowish brown, silty sand; occasional CF.  |       |
| B227     | 2     | Main. ?P/L.D: <u>c</u> 50mm. Yellowish brown (10YR 5/8), sandy loam. Pit or slumping at edge of A280.   |       |
| (B228)   | 2     | A401. Main. PH.D: <u>c</u> 170mm. Roughly oval/circular with rounded bottom. Dark yellowish brown (10YR 3/6), loamy sand; small IF; small white spots (?mortar).  |       |
| (B229)   | 2     | A401. Main. PH.D: <u>c</u> 60mm. Oval-circular with rounded bottom. Dark yellowish brown (10YR 3/6), loamy sand; 3 flecks charcoal ( <u>c</u> 10mm).  |       |
| (B230)   | 2     | A401. Main. ?PH.D: <u>c</u> 150mm. Circular rounded bottom. Dark yellowish brown (10YR 3/4), sandy loam, crumbly; occasional small CF.  |       |
| (B231)   | 2     | A401. Main. PH.D: <u>c</u> 250mm. Oval/sub-rectangular, straight sided rounded bottom. Dark yellowish brown (10YR 4/6), sandy loam; small frequent IF; rare larger stone frags.   |       |
| (B234)   | 2     | A401. Main. ?PH.D: <u>c</u> 250mm. Yellowish brown (10YR 5/8) - dark yellowish brown (10YR 4/4), sandy, firm, rare charcoal ( <u>c</u> 3mm sq); rare ironstone ( <u>c</u> 20-40mm).   | CH    |
| (B235)   | 2     | B188. Main. (Slot A). PH. Yellowish brown (10YR 5/6,5/8), dark yellowish brown (10YR 4/4,4/6), sandy loam and silty sand, with streaks of 7.5YR 5/8, strong brown, sand; occasional CF, a few white spots, rare IF.   |       |
| (B236)   | 2     | (=237,293-5) B188. Main. (Slot A). TS. Fill very mixed sand, sandy loam; in places different layers, mottles, or streaks. Range: light yellowish brown - brownish yellow (10YR 6/4,6/8); light brown (7.5YR 6/4); yellowish brown (10YR 5/6,5/8); dark yellowish brown (10YR 4/6). CF. NOP. | CH    |
| (B238)   | 2     | B188. Main. (Slot A). ???PH/pocket in slot fill. Yellowish brown (10YR 5/4,5/8), silty sand and   |       |



| Layer no | Phase | Description   | Finds |
|----------|-------|---|-------|
| B260     |       | lowish brown (10YR 4/6); stains dark brown (10YR 3/3); sand.  |       |
| (B264)   | 2     | A401. Main. PH.D: <u>c70mm</u> . Sloping sides, flat bottom. B264.1: gray/yellowish brown, silty sand; occasional CF; IF. B264.2: yellow/brown; silty sand.             |       |
| (B265)   | 2     | A401. Main. ?PH.D: <u>c100mm</u> . Sloping sides to pointed bottom. Fill as B264.   |       |
| B268     | 1     | (269-70). Main. ???PH.D: <u>c60mm</u> . Shallow, rounded profile. Strong brown (10YR 5/6), sand, soft.  |       |
| (B269)   | 1     | B268. Main. ???PH.D: <u>c70mm</u> . Rounded profile. Yellowish brown (10YR 5/8), sand, soft.  |       |
| (B270)   | 1     | B268. Main. ???PH.D: <u>c80mm</u> . Yellowish brown (10YR 5/8), sand; patches of brownish yellow (10YR 6/8), sand; occasional CF.                                       |       |
| B271     | 1     | (272,279-80). Main. Linear shadow. Irregular depth 20-30mm; profile uncertain. Dark yellowish brown (10YR 4/6) sand. ?Man-made feature or natural.                      |       |
| (B272)   | 1     | B271. Main. Linear shadow as B271.  |       |
| (B273)   | 2     | B188. Main. (Slot A). PH. Yellowish brown (10YR 5/6-5/8), with patches of brownish yellow (10YR 6/6-6/8) sand, and specks of strong brown (7.5YR 5/8) sand; large CF.   |       |
| (B274)   | 2     | B188. Main. (Slot A). PH. Yellowish brown (10YR 5/6,5/8) with dark yellowish brown (10YR 4/6) patches, sandy loam; large CF.  |       |
| (B276)   | 2     | B188. Main. (Slot A). ?PH. Yellowish brown (10YR 5/6-5/8) with patches of brownish yellow (10YR 6/6-6/8), sandy loam; a few CF.   |       |
| (B279)   | 1     | B271. Main. Linear shadow. As B271.   |       |
| (B280)   | 1     | B271. Main. Linear shadow. As B271.   |       |
| (B281)   | 2     | B188. Main. (Slot A). PH. Yellowish brown (10YR 5/6-5/8), with patches of brownish yellow (10YR 6/6-6/8), sand, and specks of (7.5YR 5/8) strong brown, sand; large CF. |       |
| (B282)   | 2     | B188. Main. (Slot A). PH. Yellowish brown and dark yellowish brown (10YR 5/8-4/6) loosely packed, silty sand.   |       |
| (B285)   | 2     | B188. Main. (Slot A). PH. Yellowish brown (10YR 5/6-5/8) with patches of brownish yellow (10YR  |       |

| Layer no | Phase | Description  | Finds |
|----------|-------|--|-------|
| (B285)   |       | 6/6-6/8) sand, and specks of strong brown (7.5YR 5/8) sand; large CF.  |       |
| cont     |       |  |       |
| (B286)   | 2     | B188. Main. (Slot A). ?TS/PH. Yellowish brown (10YR 5/6-5/8) with dark yellowish brown (10YR 4/6) patches, sandy loam; large CF.   |       |
| (B287)   | 2     | B188. Main. (Slot A). PH. Yellowish brown (10YR 5/6-5/8), sand, with CF; some dark yellowish brown (10YR 4/6) sand; some patches brownish yellow (10YR 6/6-6/8) sand.      |       |
| (B288)   | 2     | B188. Main. (Slot A). PH. Yellowish brown (10YR 5/6-5/8) sand with mixed patches of brownish yellow (10YR 6/6-6/8) with large CF.  |       |
| (B289)   | 2     | B188. Main. (Slot A). ?PH. Fill as B188.   |       |
| (B290)   | 2     | B188. Main. (Slot A). PH. Yellowish brown (10YR 5/6-5/8) with patches of brownish yellow (10YR 6/6-6/8) CF.  |       |
| (B291)   | 2     | (=299) B188. Main. (Slot A). ??PH. Yellowish brown (10YR 5/6,5/8), sandy loam; a few CF.   |       |
| (B292)   | 2     | B188. Main. (Slot A). ??PH. Yellowish brown, (10YR 5/6-5/8), sandy loam; a few CF.   |       |
| (B297)   | 2     | B188. Main. (Slot A). PH. Yellowish brown (10YR 5/6-5/8), sand; occasional CF.   |       |
| (B298)   | 2     | B188. Main. (Slot A). PH. B298.1: yellowish brown (10YR 5/6-5/8), sand; occasional CF. B298.2: yellowish brown (10YR 5/6) silty sand; occasional CF.                       |       |
| (B300)   | 2     | B188. Main. (Slot A). ?PH. Dark yellowish brown (10YR 4/4-4/6), sandy loam; with CF.   |       |
| B301     | 1     | Main. ?P.D: <u>c</u> 350mm. Strong brown (7.5YR 5/6) sand; very soft.  |       |
| B302     | 5//13 | Sec. ?Pit staining. Light yellowish brown (10YR 6/4) loam and sand; ironstone lumps <u>c</u> 10mm sq; IF and LF ( <u>c</u> 10-50mm); CF ( <u>c</u> 5mm sq). NOP.           |       |
| B303     | 5//13 | Sec. L. Brownish yellow (10YR 6/6), sand and loam-ironstone lumps <u>c</u> 40mm sq. NOP.   |       |
| B304     | 5//13 | Sec. L. Light yellowish brown (10YR 6/4), loam and sand; small lumps ironstone ( <u>c</u> 10mm sq); LF, <u>c</u> 2mm sq. CF, <u>c</u> 2mm sq, and IF <u>c</u> 2cm sq. NOP. |       |
| B305     | -     | Sec. Probably pit staining from B122. Olive brown (2.5Y 4/4), sand and loam; patches sand <u>c</u> 10-20mm; ironstone lumps up to 40mm sq; rare CF, <u>c</u> 1mm sq. NOSD. |       |

| Layer no | Phase                | Description  | Find <sub>s</sub> |
|----------|----------------------|--|-------------------|
| B306     | 8//11A               | =(307). Sec. L. Olive brown (2.5Y 4/4) - yellowish brown (10YR 5/4), loam, sand, silt; CF, <u>c</u> 1mm sq; LF, <u>c</u> .1-2mm sq; IF, <u>c</u> 2-10mm sq. Patches sand. NOP.                                       |                   |
| B308     | 11B//<br>post-<br>13 | Sec. Wall. Irregular blocks ironstone and limestone. Matrix dark yellowish brown (10YR 3/4), sandy loam. Many large stones, layers limestones near top, some small ironstones. Some CF and IF, <u>c</u> 3mm sq. NOP. |                   |
| B309     | 11B//<br>post-<br>13 | Sec. L. Dark yellowish brown (10YR 3/4), sandy loam; many large stones; concentrations ironstones; CF and LF, <u>c</u> 3mm sq. NOP.  |                   |
|          | post-<br>13          | Find <sub>s</sub> : Cu24,37-43,54-5,62-4,70,74-5,102-3;Fe35,54-6,S;GL13,65;CP8;WB10,24,26-7.   |                   |



THE POTTERY

by M Gryspeerdt

(i) TABLE OF STRATIFIED POTTERY

Example:

A 302 11 4 T2 A3/ABC7 33, 60  
W15 ABC1

Layer A 302, 11 sherds, minimum of 4 vessels

Fabric T2 : 3 cooking pots, 7 body sherds : see illustration Nos 33, 60.

Fabric W15 : 1 body sherd.

|                        |                 |  |
|------------------------|-----------------|--|
| Code of vessel forms : | A               | cooking pots                                       |
|                        | A <sub>1</sub>  | bifids   |
|                        | A <sub>2</sub>  | pipkins  |
|                        | B               | bowls  |
|                        | C               | jugs   |
|                        | C <sub>1</sub>  | tripod pitches                                     |
|                        | C <sub>2</sub>  | bottles  |
|                        | C <sub>3</sub>  | bung'hole pitchers                                 |
|                        | D               | lamps  |
|                        | E <sub>1</sub>  | lids   |
|                        | E <sub>2</sub>  | platters, dishes                                   |
|                        | E <sub>3</sub>  | chafing dishes                                     |
|                        | E <sub>4</sub>  | costrels   |
|                        | E <sub>7</sub>  | miscellaneous                                      |
|                        | E <sub>8</sub>  | storage jars                                       |
|                        | E <sub>10</sub> | butter pots  |
|                        | F               | cups, mugs   |
|                        | F <sub>2</sub>  | Cistercian ware tygs                               |
|                        | F1a             | } Tudor Green ( lobed cups )<br>( carinated cups ) |
|                        | F1b             |  |
|                        | U               | uncertain  |



Phase 5

|      |           |           |       |                |          |
|------|-----------|-----------|-------|----------------|----------|
| A223 | <u>75</u> | <u>24</u> | R     | <u>B1/U9</u>   |          |
|      |           |           | S1B/2 | <u>U1</u>      |          |
|      |           |           | S3    | <u>U3</u>      |          |
|      |           |           | T1    | <u>A5/AB24</u> | 14,15,23 |
|      |           |           | W1    | <u>A6/AB25</u> | 3        |
|      |           |           | W2    | <u>AB1</u>     |          |

Phase 6

|      |          |          |    |            |                  |
|------|----------|----------|----|------------|------------------|
| A366 | <u>1</u> | <u>1</u> | W1 | <u>AB1</u> |                  |
| A370 | <u>1</u> | <u>1</u> | ?Y | <u>E71</u> | ?biconical pot 7 |
| A90  | <u>1</u> | <u>1</u> | W1 | <u>A1</u>  |                  |
| B99  | <u>1</u> | <u>1</u> | T1 | <u>AB1</u> |                  |
| B153 | <u>2</u> | <u>1</u> | W1 | <u>AB2</u> |                  |

Phase 7

|      |           |           |      |                 |          |
|------|-----------|-----------|------|-----------------|----------|
| A222 | <u>92</u> | <u>11</u> | R    | <u>U1</u>       |          |
|      |           |           | T1   | <u>A2/AB16</u>  | 16,17,20 |
|      |           |           | ?T11 | <u>AB1</u>      |          |
|      |           |           | W1   | <u>A13/AB55</u> | 4,6      |
|      |           |           | X1   | <u>C2/ABC1</u>  |          |
|      |           |           | W18  | <u>ABC1</u>     |          |
| A365 | <u>15</u> | <u>6</u>  | W1   | <u>A1/AB12</u>  |          |
|      |           |           | X1   | <u>AB1/C1</u>   |          |

Phase 8

|      |            |           |    |                  |                   |
|------|------------|-----------|----|------------------|-------------------|
| A221 | <u>128</u> | <u>15</u> | T1 | <u>A7/B4/AB9</u> | 18,19,21,24,25,26 |
|      |            |           | W1 | <u>A3/AB61</u>   | 5                 |
|      |            |           | W3 | <u>E8 4</u>      | 9                 |
|      |            |           | X1 | <u>AB9</u>       |                   |
|      |            |           | Y  | <u>E71</u>       | ladle 8           |

Phase 9

|      |          |          |      |             |  |
|------|----------|----------|------|-------------|--|
| A359 | <u>3</u> | <u>2</u> | W3   | <u>U1</u>   |  |
|      |          |          | ?W18 | <u>ABC2</u> |  |

Phase 10

|      |           |          |    |                          |    |
|------|-----------|----------|----|--------------------------|----|
| A294 | <u>3</u>  | <u>1</u> | T1 | AB <u>3</u>              |    |
| A307 | <u>63</u> | <u>5</u> | T1 | A <u>2</u> /AB <u>42</u> |    |
|      |           |          | T2 | A <u>1</u> /ABC <u>1</u> | 47 |
|      |           |          | W1 | AB <u>16</u>             |    |
|      |           |          | X1 | C <u>1</u>               |    |
| A308 | <u>3</u>  | <u>1</u> | T1 | AB <u>3</u>              |    |
| A319 | <u>1</u>  | <u>1</u> | T1 | AB <u>1</u>              |    |

Phase 10/11Ci House

|        |           |          |      |                                      |    |
|--------|-----------|----------|------|--------------------------------------|----|
| A272.2 | <u>18</u> | <u>8</u> | T1-2 | ABC <u>4</u>                         |    |
|        |           |          | T2   | A <u>4</u> /C <u>1</u> /ABC <u>6</u> | 42 |
|        |           |          | W1   | A <u>1</u>                           |    |
|        |           |          | W11  | C <u>1</u>                           |    |
|        |           |          | W14  | C <u>1</u>                           |    |

Phase 11A House

|      |           |          |                 |                          |  |
|------|-----------|----------|-----------------|--------------------------|--|
| A97  | <u>4</u>  | <u>2</u> | T1              | A <u>1</u>               |  |
|      |           |          | T1-2            | A <u>1</u>               |  |
|      |           |          | T2              | C <u>2</u>               |  |
| A138 | <u>9</u>  | <u>1</u> | T1-2            | AB <u>8</u>              |  |
|      |           |          | T2              | B <u>1</u>               |  |
| A279 | <u>22</u> | <u>6</u> | T1              | AB <u>12</u>             |  |
|      |           |          | T1-2            | A <u>1</u> /AB <u>2</u>  |  |
|      |           |          | T2              | C <u>1</u> /ABC <u>3</u> |  |
|      |           |          | V1              | ABC <u>1</u>             |  |
|      |           |          | W1              | AB <u>1</u>              |  |
|      |           |          | W7 <sub>1</sub> | C <u>1</u>               |  |
| A320 | <u>7</u>  | <u>3</u> | T1-2            | A <u>1</u> /ABC <u>5</u> |  |
|      |           |          | W7 <sub>1</sub> | C <u>1</u>               |  |



|             |  |  |     |                          |  |
|-------------|--|--|-----|--------------------------|--|
| A280 (cont) |  |  | W49 | ABC <u>1</u>             |  |
|             |  |  | X1  | C <u>3</u> /ABC <u>1</u> |  |
|             |  |  | Z   | F <u>1</u>               |  |
|             |  |  | U   | C <u>1</u> /ABC <u>2</u> |  |

Phase 11A Yard

|      |            |           |                 |   |  |
|------|------------|-----------|-----------------|---|--|
| A297 | <u>754</u> | <u>69</u> | T1              | A <u>2</u>  |  |
|      |            |           | T1-2            | A <u>9</u> /B <u>18</u> /ABC <u>155</u> ?/D <u>1</u>          | 32   |
|      |            |           | T2              | A <u>47</u> /B <u>8</u> /C <u>11</u> /ABC <u>460</u>          | 46,50,54,56,59,64,71,7 <sup>3</sup> <u>6</u> ,83,89,90 |
|      |            |           | T11             | AB <u>1</u>   |  |
|      |            |           | V1              | A <u>1</u> /C <u>1</u> /ABC <u>4</u>                          | 69   |
|      |            |           | W1              | A <u>1</u> /AB <u>3</u>                                       |  |
|      |            |           | W7 <sub>4</sub> | A <u>1</u> /ABC <u>3</u>                                      |  |
|      |            |           | W15             | C <u>17</u>   |  |
|      |            |           | W18             | C <u>1</u> /ABC <u>2</u>                                      |  |
|      |            |           | X1              | C <u>7</u>  |  |
|      |            |           | ?Y              | U <u>1</u>  |  |
| A302 | <u>11</u>  | <u>4</u>  | T2              | A <u>3</u> /ABC <u>7</u>                                      | 33,60  |
|      |            |           | W15             | ABC <u>1</u>  |  |
| A303 | <u>24</u>  | <u>4</u>  | T1-2            | B <u>2</u>  |  |
|      |            |           | T2              | A <u>2</u> /C <u>1</u> /ABC <u>19</u>                         |  |
| A321 | <u>125</u> | <u>20</u> | T1-2            | B <u>2</u> /ABC <u>21</u>                                     | 31   |
|      |            |           | T2              | A <u>5</u> /B <u>1</u> /C <u>3</u> /ABC <u>80</u>             | 55,58  |
|      |            |           | V1              | A <u>1</u> /ABC <u>3</u>                                      | 68   |
|      |            |           | W1              | A <u>1</u> /AB <u>1</u>                                       |  |
|      |            |           | ?W3             | A <u>1</u>  |  |
|      |            |           | W7 <sub>1</sub> | C <u>1</u>  |  |
|      |            |           | X1              | C <u>4</u>  |  |
|      |            |           | U               | C <u>1</u>  |  |
| A330 | <u>132</u> | <u>29</u> | T1-2            | B <u>2</u> /ABC <u>36</u>                                     | 30   |
|      |            |           | T2              | A <u>16</u> /B <u>5</u> /C <u>6</u> /ABC <u>62</u>            | 34,61,63   |
|      |            |           | V1              | ABC <u>1</u>  |  |
|      |            |           | W7 <sub>4</sub> | ABC <u>1</u>  |  |
|      |            |           | W18             | ABC <u>2</u>  |  |
|      |            |           | ?Y              | U <u>1</u>  |  |
| A334 | <u>78</u>  | <u>12</u> | T1-2            | B <u>1</u> /ABC <u>7</u>                                      | 29   |
|      |            |           | T2              | A <u>5</u> /B <u>7</u> /C <u>1</u> /ABC <u>54</u> /D <u>1</u> | 39,43,51   |
|      |            |           | V1              | ABC <u>1</u>  |  |
|      |            |           | X1              | C <u>1</u>  |  |

Phase 11A Yard

|      |            |           |                 |                                 |                            |
|------|------------|-----------|-----------------|---------------------------------|----------------------------|
| A335 | <u>3</u>   | <u>1</u>  | T1-2            | <u>B1/ABC1</u>                  |                            |
|      |            |           | T2              | <u>ABC1</u>                     |                            |
| A339 | <u>369</u> | <u>56</u> | T1-2            | <u>A2/B2/ABC64</u>              |                            |
|      |            |           | T2              | <u>A53/AB1/B18/C6/ABC203/D1</u> | 40,44,52,53,74,75,77,84,93 |
|      |            |           | T11             | <u>A1</u>                       |                            |
|      |            |           | V1              | <u>ABC1</u>                     |                            |
|      |            |           | W7 <sub>1</sub> | <u>A1 C1</u>                    |                            |
|      |            |           | W13             | <u>C1</u>                       |                            |
|      |            |           | W15             | <u>ABC1</u>                     |                            |
|      |            |           | W18             | <u>ABC1</u>                     |                            |
|      |            |           | W20             | <u>ABC1</u>                     |                            |
|      |            |           | X1              | <u>A1/C8</u>                    | 11                         |
|      |            |           | U               | <u>?D2</u>                      | 121                        |
| A350 | <u>269</u> | <u>36</u> | T1-2            | <u>A2/ABC46</u>                 |                            |
|      |            |           | T2              | <u>A20/B9/C5/ABC167/D1</u>      | 37,41,57,88                |
|      |            |           | T6              | <u>AB1</u>                      |                            |
|      |            |           | V1              | <u>A1 AC1/ABC7</u>              | 70                         |
|      |            |           | U3              | <u>A1</u>                       |                            |
|      |            |           | W1              | <u>AB2</u>                      |                            |
|      |            |           | W7 <sub>1</sub> | <u>C1 2</u>                     |                            |
|      |            |           | W15             | <u>ABC1</u>                     |                            |
|      |            |           | X1              | <u>C1/ABC2</u>                  | 13                         |
| A357 | <u>12</u>  | <u>2</u>  | T2              | <u>A2/ABC10</u>                 | 38                         |

Phase IIA/B Yard

|      |           |           |      |   |    |
|------|-----------|-----------|------|---|----|
| A187 | <u>3</u>  | <u>2</u>  | T2   | ABC <u>2</u>                                      |    |
|      |           |           | V1   | ABC <u>1</u>                                      |    |
| A336 | <u>33</u> | <u>3</u>  | T1-2 | ABC <u>7</u> /D <u>1</u>                          |    |
|      |           |           | T2   | B <u>1</u> /ABC <u>24</u>                         |    |
| A338 | <u>38</u> | <u>10</u> | T1-2 | A <u>1</u> /ABC <u>2</u>                          |    |
|      |           |           | T2   | A <u>4</u> /B <u>2</u> /C <u>1</u> /ABC <u>26</u> | 91 |
|      |           |           | V1   | ABC <u>1</u>                                      |    |
|      |           |           | X1   | C <u>1</u>  |    |

Phase IIB Yard

|      |            |           |      |  |          |
|------|------------|-----------|------|--|----------|
| A288 | <u>121</u> | <u>19</u> | T1-2 | B <u>2</u> /ABC <u>7</u>                           | 27       |
|      |            |           | T2   | A <u>15</u> /B <u>6</u> /C <u>2</u> /ABC <u>62</u> | 49,72,87 |
|      |            |           | T6   | A <u>3</u>   | 65       |
|      |            |           | V1   | C <u>1</u> /ABC <u>6</u>                           |          |
|      |            |           | W20  | A <u>13</u>  | 126      |
|      |            |           | X1   | A <u>1</u> /C <u>2</u>                             | 12       |
|      |            |           | U    | C <u>1</u>   | 120      |

Phase IICi Yard

|      |           |          |     |                                       |     |
|------|-----------|----------|-----|---------------------------------------|-----|
| A277 | <u>7</u>  | <u>2</u> | T2  | ABC <u>3</u>                          |     |
|      |           |          | W20 | ABC <u>4</u>                          |     |
| A283 | <u>23</u> | <u>6</u> | T2  | A <u>2</u> /C <u>2</u> /ABC <u>15</u> |     |
|      |           |          | W15 | ABC <u>2</u>                          |     |
|      |           |          | W18 | C <u>1</u>                            |     |
|      |           |          | X1  | C <u>1</u>                            | 10  |
| A286 | <u>9</u>  | <u>6</u> | T2  | ABC <u>3</u>                          |     |
|      |           |          | V3  | ABC <u>1</u>                          |     |
|      |           |          | W8  | C <u>2</u>                            |     |
|      |           |          | W14 | C <u>1</u>                            | 118 |
|      |           |          | W18 | ABC <u>1</u>                          |     |
|      |           |          | W20 | ABC <u>1</u>                          |     |



Phase IICii Yard

|      |            |           |                 |   |             |
|------|------------|-----------|-----------------|---|-------------|
| A217 | <u>271</u> | <u>44</u> | T1-2            | ABC <u>12</u>                                       | 28          |
|      |            |           | T2              | A <u>15</u> /B <u>4</u> /C <u>24</u> /ABC <u>96</u> | 45,48,79,80 |
|      |            |           | T6              | A <u>1</u>  | 66          |
|      |            |           | V1              | ABC <u>1</u>  |             |
|      |            |           | V3              | ABC <u>3</u>  |             |
|      |            |           | W1              | A <u>1</u>  |             |
|      |            |           | W7 <sub>1</sub> | C <u>1</u>  |             |
|      |            |           | W11             | C <u>2</u>  |             |
|      |            |           | W14             | C <u>22</u>   |             |
|      |            |           | W15             | ABC <u>6</u>  |             |
|      |            |           | W18             | A <u>1</u> /B <u>7</u> /C <u>11</u> /ABC <u>45</u>  | 95,106      |
|      |            |           | W20             | ABC <u>3</u>  |             |
|      |            |           | W21             | C <u>6</u> /F <u>5</u> /F1a <u>1</u>                | 134,135     |
|      |            |           | W53             | C <u>1</u>  |             |
|      |            |           | X1              | C <u>1</u>  |             |
|      |            |           | U               | C <u>1</u>  | 120         |

Phase IICii/12 Yard

|      |           |           |                 |                                      |     |
|------|-----------|-----------|-----------------|--------------------------------------|-----|
| A235 | <u>38</u> | <u>11</u> | T1-2            | ABC <u>4</u>                         |     |
|      |           |           | T2              | B <u>1</u> /C <u>1</u> /ABC <u>3</u> |     |
|      |           |           | W7 <sub>1</sub> | C <u>1</u>                           |     |
|      |           |           | W14             | C <u>1</u>                           |     |
|      |           |           | W18             | C <u>1</u> /ABC <u>24</u>            | 105 |
|      |           |           | Y               | C <u>1</u>                           |     |
|      |           |           | Z               | E <u>2</u> <sup>1</sup>              |     |

Phase IIC/13 Yard

|      |          |          |     |                         |     |
|------|----------|----------|-----|-------------------------|-----|
| A184 | <u>6</u> | <u>6</u> | T2  | ABC <u>1</u>            |     |
|      |          |          | W16 | V <u>1</u>              |     |
|      |          |          | W17 | E <u>3</u> <sup>1</sup> |     |
|      |          |          | W18 | ABC <u>1</u>            |     |
|      |          |          | W20 | C <u>1</u>              |     |
|      |          |          | X2b | F <u>1</u>              | 146 |



Phase 12 ii Yard

A 157 187 25 T2 A1/C1/ABC 18/D1 94  
V1 A1 ABC 7  
V3 ABC 1  
W11 C2  
W14 B1 C11  
W16 ABC2  
W18 A9 /B4 /C18 /ABC94 97,100,105  
W20 ABC5  
W21 C5/F3  
W29 C1/ABC3

A 188 1-7 171 23 T2 ABC3  
? T2 ?C21  
V1 ABC2  
V4 C1 /?C21/ABC8 124,125  
W11 C1  
W14 C4  
W16 ABC8  
W18 A1 /B2 /C6 /C23 /ABC114 99,109,112  
W21 F1a7 131  
W53 C1  
X1 C2  
X2a F21  
z E25

A 236 12 3 T2 ABC1  
W18 C1 /ABC9 108  
X1 ABC1

A 249 2 1 W18 ABC2

Phase 12 ii/13 Yard

A190 11 3      T2 ABC2  
                              W18 ABC8  
                              X2a F1

Phase 12 ii/post-13 Yard

A177 3 1      W18 ABC3

A189 1-2 31      T2 B1/C1/ABC3  
                              W8 C2  
                              W16 ABC2  
                              W18 B1 /ABC16      98  
                              W20 ABC1  
                              W29 ABC1  
                              X2a F1      138  
                              Y C1      139  
                              U ABC1

Phase 13 Yard

A17.1 8 1      W18 C1/ABC7

A17.2 3 3      T2 ABC1  
                              W18 ABC1  
                              X2a F21

A59 5 3      T2 ABC3  
                              X2b F1  
                              Z ABC1

A145 38 3      T2 ABC2  
                              W14 C2  
                              W18 C34

Phase 13 Yard (continued)

|      |           |           |     |                   |         |
|------|-----------|-----------|-----|-------------------|---------|
| A81  | <u>43</u> | <u>19</u> | T2  | <u>A1/C1/ABC3</u> |         |
|      |           |           | W71 | <u>C1</u>         |         |
|      |           |           | W11 | <u>C1</u>         | 116     |
|      |           |           | W15 | <u>ABC1</u>       |         |
|      |           |           | W16 | <u>ABC2</u>       |         |
|      |           |           | W17 | <u>B3</u>         | 142     |
|      |           |           | W18 | <u>C1/ABC4</u>    |         |
|      |           |           | W29 | <u>E24/ABC4</u>   | 136,137 |
|      |           |           | X2a | <u>F25</u>        |         |
|      |           |           | X2b | <u>CF2</u>        |         |
|      |           |           | Z   | <u>B2/E26/U1</u>  | 153     |
|      |           |           | U   | <u>ABC1</u>       |         |
|      |           |           |     |                   |         |
| A86  | <u>6</u>  | <u>2</u>  | T2  | <u>ABC1</u>       |         |
|      |           |           | W18 | <u>ABC5</u>       |         |
|      |           |           |     |                   |         |
| A122 | <u>7</u>  | <u>4</u>  | T2  | <u>ABC1</u>       |         |
|      |           |           | W15 | <u>ABC1</u>       |         |
|      |           |           | W18 | <u>ABC2</u>       |         |
|      |           |           | X2a | <u>F23</u>        |         |
|      |           |           |     |                   |         |
| A126 | <u>11</u> | <u>5</u>  | T2  | <u>C3</u>         |         |
|      |           |           | W18 | <u>ABC1</u>       |         |
|      |           |           | W21 | <u>F1</u>         |         |
|      |           |           | X2a | <u>F25</u>        |         |
|      |           |           | U   | <u>U1</u>         |         |
|      |           |           |     |                   |         |
| A132 | <u>38</u> | <u>8</u>  | T2  | <u>ABC6</u>       |         |
|      |           |           | W11 | <u>C1</u>         |         |
|      |           |           | W14 | <u>C1</u>         |         |
|      |           |           | W18 | <u>C1/ABC19</u>   |         |
|      |           |           | W20 | <u>ABC1</u>       |         |
|      |           |           | W21 | <u>F1</u>         |         |
|      |           |           | W29 | <u>ABC5</u>       |         |
|      |           |           | X2a | <u>F22</u>        |         |
|      |           |           | U   | <u>ABC1</u>       |         |

Phase 13 Yard (cont)

|      |            |           |      |                             |                         |
|------|------------|-----------|------|-----------------------------|-------------------------|
| A151 | <u>8</u>   | <u>2</u>  | T2   | <u>A1/ABC1</u>              |                         |
|      |            |           | W18  | <u>ABC6</u>                 |                         |
| A124 | <u>20</u>  | <u>5</u>  | T2   | <u>A2 /ABC3</u>             |                         |
|      |            |           | W7   | <u>C1</u>                   |                         |
|      |            |           | W14  | <u>C7</u>                   |                         |
|      |            |           | W18  | <u>ABC7</u>                 |                         |
| A153 | <u>55</u>  | <u>5</u>  | T2   | <u>ABC2</u>                 |                         |
|      |            |           | W18  | <u>B4 /C1/C31/ABC45</u>     | 101                     |
|      |            |           | W20  | <u>ABC2</u>                 |                         |
| A155 | <u>218</u> | <u>22</u> | T1-2 | <u>A1/ABC2</u>              |                         |
|      |            |           | T2   | <u>A1/C4/ABC17</u>          |                         |
|      |            |           | V4   | <u>ABC1</u>                 |                         |
|      |            |           | W11  | <u>C1</u>                   | 117                     |
|      |            |           | W14  | <u>C5</u>                   |                         |
|      |            |           | W18  | <u>A2 /B1 /C9 /ABC147</u>   | 96                      |
|      |            |           | W20  | <u>AE81 /C1 /ABC8</u>       | 128, 129                |
|      |            |           | W21  | <u>F5 /F1a2</u>             | 132                     |
|      |            |           | W29  | <u>ABC1</u>                 |                         |
|      |            |           | X2b  | <u>CF3</u>                  |                         |
|      |            |           | ?Y   | <u>C1</u>                   |                         |
|      |            |           | Z    | <u>E22/F1</u>               |                         |
|      |            |           | U    | <u>ABC2</u>                 |                         |
| A160 | <u>120</u> | <u>12</u> | W14  | <u>C1</u>                   |                         |
|      |            |           | W18  | <u>A25 /C60 /C22 /ABC26</u> | 102, 103, 107, 110, 113 |
|      |            |           | W20  | <u>AE88 /ABC16</u>          | 130                     |
|      |            |           | W21  | <u>F1</u>                   |                         |
|      |            |           | Y    | <u>C1</u>                   |                         |

Phase 13 Yard

|      |                    |     |   |          |
|------|--------------------|-----|---|----------|
| A195 | <u>27</u> <u>9</u> | W16 | E <sub>10</sub> <u>7</u>                          | 140      |
|      |                    | W17 | B <u>1</u>  | 143      |
|      |                    | W18 | ABC <u>1</u>                                      |          |
|      |                    | X2b | B <u>2</u> / E <sub>1</sub> <u>4</u> / F <u>1</u> | 144      |
|      |                    | Z   | B <u>7</u> / E <sub>10</sub> <u>4</u>             | 147, 152 |

|      |                   |     |                          |
|------|-------------------|-----|--------------------------|
| A196 | <u>4</u> <u>2</u> | W16 | E <sub>10</sub> <u>2</u> |
|      |                   | X2b | F <u>2</u>               |

|      |                   |   |             |
|------|-------------------|---|-------------|
| A208 | <u>2</u> <u>1</u> | Z | BC <u>2</u> |
|------|-------------------|---|-------------|

Phase 13Ai Yard

|     |                    |     |              |     |
|-----|--------------------|-----|--------------|-----|
| A90 | <u>11</u> <u>6</u> | T2  | ABC <u>5</u> |     |
|     |                    | W18 | ABC <u>2</u> |     |
|     |                    | W21 | F <u>1</u>   | 133 |
|     |                    | X2b | ABC <u>1</u> |     |
|     |                    | Z   | U <u>2</u>   |     |

Phase 13Ai House

|    |                   |     |  |
|----|-------------------|-----|--|
| A9 | <u>4</u> <u>3</u> | T2  | A <u>1</u> / B <u>1</u> / ABC <u>1</u> |
|    |                   | W18 | ABC <u>1</u>                           |

|     |                    |                 |                                      |
|-----|--------------------|-----------------|--------------------------------------|
| A91 | <u>14</u> <u>6</u> | T2              | ABC <u>3</u>                         |
|     |                    | W7 <sub>1</sub> | C <u>1</u>                           |
|     |                    | W18             | ABC <u>7</u>                         |
|     |                    | Z               | E <sub>2</sub> <u>1</u> / F <u>1</u> |

NB. Possible contamination  
by A91.2-3





Phase 13A House

A110 8 4 T2 C2

W17 E21

W18 ABC4

Z ABC1

A111 63 11 T2 A1/C1/ABC1

W14 C2

W16 ABC2

W18 C5/ABC44

104

W20 ABC5

W21 F1

W53 C1

A96 3 2 W17 E22

141

W18 ABC1

Phase 13B House

A56 25 13 T2 ABC3

W17 B1

W18 ABC2

W21 F2

W29 C1

|                          |                     |                 |   |               |
|--------------------------|---------------------|-----------------|---|---------------|
|                          |                     | X2a             | F <sub>2</sub> <u>4</u>   |               |
|                          |                     | Y               | C <u>1</u>  |               |
|                          |                     | Z               | B <u>2</u> / E <u>2</u> / F <u>5</u> / U <u>2</u>                             | 150, 151      |
| A62                      | <u>16</u> <u>5</u>  | T2              | C <u>1</u>  |               |
|                          |                     | W17             | E <sub>2</sub> <u>2</u>   | 141           |
|                          |                     | W18             | C <sub>3</sub> <u>1</u> / ABC <u>10</u>                                       | 114           |
|                          |                     | Z               | F <sub>2</sub> <u>1</u> / F <u>1</u>  |               |
| A77                      | <u>4</u> <u>3</u>   | T2              | C <u>1</u>  |               |
|                          |                     | W18             | ABC <u>2</u>  |               |
|                          |                     | X1              | C <u>1</u>  |               |
| <u>Phase ?13/Post-13</u> |                     |                 |   |               |
| A72                      | <u>51</u> <u>18</u> | T2              | B <u>1</u> / ABC <u>3</u>   |               |
|                          |                     | W7 <sub>2</sub> | ABC <u>1</u>  |               |
|                          |                     | W16             | U <u>4</u>  |               |
|                          |                     | W17             | B <u>8</u>  |               |
|                          |                     | W18             | B <u>1</u> / ABC <u>1</u>   |               |
|                          |                     | W21             | F <u>1</u>  |               |
|                          |                     | X2b             | F <u>10</u>   |               |
|                          |                     | Z               | B <u>1</u> / C <u>3</u> / ABC <u>5</u> / E <sub>2</sub> <u>3</u> / F <u>9</u> | 148           |
| A75                      | <u>27</u> <u>13</u> | T2              | ABC <u>2</u>  |               |
|                          |                     | W7 <sub>2</sub> | C <u>1</u>  |               |
|                          |                     | W14             | ABC <u>4</u>  |               |
|                          |                     | W16             | E <sub>10</sub> <u>1</u>  |               |
|                          |                     | W18             | ABC <u>4</u>  |               |
|                          |                     | X2a             | F <sub>2</sub> <u>1</u>   |               |
|                          |                     | X2b             | F <u>1</u>  |               |
|                          |                     | Z               | B <u>6</u> / ABC <u>5</u> / F <u>2</u>  | 149, 154, 155 |

|     |          |          |                 |                          |     |
|-----|----------|----------|-----------------|--------------------------|-----|
| A88 | <u>9</u> | <u>7</u> | W7 <sub>2</sub> | C <u>1</u>               |     |
|     |          |          | W16             | E <sub>10</sub> <u>2</u> |     |
|     |          |          | X2a             | F <sub>2</sub> <u>1</u>  |     |
|     |          |          | X2b             | F <sub>2</sub>           | 145 |
|     |          |          | Z               | AB <u>2</u> /F <u>1</u>  |     |

Phase Post-13

|    |          |           |          |     |                        |
|----|----------|-----------|----------|-----|------------------------|
| A6 | <u>6</u> | <u>17</u> | <u>7</u> | T2  | A3/ABC <u>5</u>        |
|    |          |           |          | W18 | ABC <u>6</u>           |
|    |          |           |          | X1  | C <u>1</u>             |
|    |          |           |          | Z   | B <u>1</u> /U <u>1</u> |

|     |          |          |  |     |                          |
|-----|----------|----------|--|-----|--------------------------|
| A15 | <u>2</u> | <u>2</u> |  | W18 | B <u>1</u> /ABC <u>1</u> |
|-----|----------|----------|--|-----|--------------------------|

|     |          |          |  |     |                          |
|-----|----------|----------|--|-----|--------------------------|
| A18 | <u>4</u> | <u>2</u> |  | W18 | C <u>2</u> /ABC <u>1</u> |
|     |          |          |  | X2b | F <u>1</u>               |

|        |           |           |  |     |  |
|--------|-----------|-----------|--|-----|--|
| A28/30 | <u>55</u> | <u>23</u> |  | T2  | ABC <u>2</u>                                       |
|        |           |           |  | W8  | C <u>3</u>   |
|        |           |           |  | W16 | E <sub>10</sub> <u>1</u>                           |
|        |           |           |  | W18 | C <u>2</u> /ABC <u>13</u>                          |
|        |           |           |  | W20 | ABC <u>3</u>                                       |
|        |           |           |  | W21 | C <u>2</u> /F <u>2</u> /F1a <u>2</u> /F1b <u>6</u> |
|        |           |           |  | W29 | C <u>1</u> /ABC <u>1</u>                           |
|        |           |           |  | X2a | F <sub>2</sub> <u>2</u>                            |
|        |           |           |  | Z   | B <u>11</u> /F <u>3</u> /U <u>1</u>                |

|     |           |          |  |     |                                 |
|-----|-----------|----------|--|-----|---------------------------------|
| A32 | <u>11</u> | <u>7</u> |  | W16 | ABC <u>2</u>                    |
|     |           |          |  | W17 | E <sub>3</sub> <u>1</u>         |
|     |           |          |  | W18 | ABC <u>1</u>                    |
|     |           |          |  | Y   | C <u>1</u>                      |
|     |           |          |  | Z   | B <u>5</u> /E <u>2</u> <u>1</u> |

|     |          |          |  |   |            |
|-----|----------|----------|--|---|------------|
| A36 | <u>1</u> | <u>1</u> |  | Z | B <u>1</u> |
|-----|----------|----------|--|---|------------|

|     |          |          |  |     |                                      |
|-----|----------|----------|--|-----|--------------------------------------|
| A39 | <u>9</u> | <u>5</u> |  | T2  | ABC <u>1</u>                         |
|     |          |          |  | W18 | B <u>2</u> /C <u>1</u> /ABC <u>2</u> |
|     |          |          |  | Z   | E <sub>7</sub> <u>2</u> /U <u>1</u>  |

|     |           |           |     |  |
|-----|-----------|-----------|-----|--|
| A44 | <u>15</u> | <u>13</u> | W17 | <u>B1/F1</u>                               |
|     |           |           | W18 | <u>ABC2</u>                                |
|     |           |           | X2a | <u>F1</u>                                  |
|     |           |           | Z   | <u>B2/E<sub>10</sub><sup>2</sup>/F3/U3</u> |
| A45 | <u>6</u>  | <u>5</u>  | T2  | <u>ABC1</u>                                |
|     |           |           | W16 | <u>E<sub>10</sub><sup>1</sup></u>          |
|     |           |           | W18 | <u>ABC1</u>                                |
|     |           |           | W20 | <u>ABC2</u>                                |
|     |           |           | Y   | <u>C1</u>                                  |
| A53 | <u>10</u> | <u>9</u>  | W17 | <u>B1</u>                                  |
|     |           |           | W18 | <u>ABC1</u>                                |
|     |           |           | Z   | <u>B3/F1/E<sub>2</sub><sup>4</sup></u>     |
| A54 | <u>6</u>  | <u>4</u>  | W16 | <u>ABC1</u>                                |
|     |           |           | W18 | <u>ABC3</u>                                |
|     |           |           | W20 | <u>ABC1</u>                                |
|     |           |           | W21 | <u>F1</u>                                  |
| A55 | <u>39</u> | <u>15</u> | W16 | <u>B1/C1/E<sub>10</sub><sup>2</sup>/U5</u> |
|     |           |           | W18 | <u>ABC1</u>                                |
|     |           |           | X2a | <u>F1</u>                                  |
|     |           |           | X2b | <u>F10</u>                                 |
|     |           |           | Y   | <u>C1</u>                                  |
|     |           |           | Z   | <u>B10/F5/U2</u>                           |
| A57 | <u>3</u>  | <u>1</u>  | T2  | <u>B1/ABC2</u>                             |
| A61 | <u>14</u> | <u>6</u>  | W18 | <u>ABC5</u>                                |
|     |           |           | Z   | <u>B7/E<sub>2</sub><sup>1</sup>/F1</u>     |
| A76 | <u>2</u>  | <u>2</u>  | T2  | <u>ABC1</u>                                |
|     |           |           | Z   | <u>E<sub>2</sub><sup>1</sup></u>           |
| A85 | <u>79</u> | <u>17</u> | T2  | <u>ABC4</u>                                |
|     |           |           | W16 | <u>E<sub>10</sub><sup>28</sup></u>         |
|     |           |           | W17 | <u>B5</u>                                  |
|     |           |           | W18 | <u>B1/ABC4</u>                             |
|     |           |           | X2b | <u>F9</u>                                  |

|      |                      |                 |  |
|------|----------------------|-----------------|--|
|      |                      | Y               | <u>C1</u>                                      |
|      |                      | Z               | <u>B22/F5</u>                                  |
| A89  | <u>70</u> <u>12</u>  | T2              | <u>A1</u>                                      |
|      |                      | W18             | <u>A<sub>1</sub>6/A<sub>2</sub>7/C3/ABC37</u>  |
|      |                      | W20             | <u>ABC1</u>                                    |
|      |                      | W21             | <u>C4/F5/F1b3</u>                              |
|      |                      | X2a             | <u>F<sub>2</sub>1</u>                          |
|      |                      | X2b             | <u>F1</u>                                      |
|      |                      | Z               | <u>B1</u>                                      |
| A144 | <u>11</u> <u>8</u>   | W16             | <u>E<sub>10</sub>1</u>                         |
|      |                      | W17             | <u>B1</u>                                      |
|      |                      | W18             | <u>ABC2</u>                                    |
|      |                      | X2a             | <u>F<sub>2</sub>1</u>                          |
|      |                      | X2b             | <u>F3</u>                                      |
|      |                      | Z               | <u>B1/E<sub>10</sub>1/F1</u>                   |
| A167 | <u>2</u> <u>2</u>    | T2              | <u>ABC1</u>                                    |
|      |                      | Z               | <u>B1</u>                                      |
| A168 | <u>145</u> <u>21</u> | T2              | <u>ABC2</u>                                    |
|      |                      | W7 <sub>2</sub> | <u>C1 ABC1</u>                                 |
|      |                      | W16             | <u>E<sub>10</sub>9</u>                         |
|      |                      | W18             | <u>ABC10</u>                                   |
|      |                      | Z               | <u>B22/E<sub>2</sub>71/E<sub>7</sub>19/F10</u> |
| A172 | <u>11</u> <u>2</u>   | W18             | <u>C1 ABC9</u>                                 |
|      |                      | Y               | <u>C1</u>                                      |
| A176 | <u>18</u> <u>9</u>   | T2              | <u>ABC1</u>                                    |
|      |                      | V4              | <u>ABC1</u>                                    |
|      |                      | W18             | <u>ABC6</u>                                    |
|      |                      | W21             | <u>F1/F1a1</u>                                 |
|      |                      | Y               | <u>C1</u>                                      |
|      |                      | Z               | <u>E<sub>2</sub>4/F3</u>                       |

|      |           |           |     |  |
|------|-----------|-----------|-----|--|
| A202 | <u>4</u>  | <u>4</u>  | X2a | F <sub>2</sub> <u>1</u>  |
|      |           |           | X2b | F <u>1</u>   |
|      |           |           | Z   | E <sub>2</sub> <u>1</u> /E <sub>7</sub> <u>1</u>   |
| <br> |           |           |     |  |
| E102 | <u>81</u> | <u>30</u> | T2  | A <u>2</u> /B <u>2</u> /ABC <u>12</u> /D <u>1</u>  |
|      |           |           | V1  | A <u>1</u>   |
|      |           |           | W18 | ABC <u>5</u>   |
|      |           |           | W21 | C <u>1</u>   |
|      |           |           | X1  | C <u>3</u>   |
|      |           |           | X2a | F <sub>2</sub> <u>2</u>  |
|      |           |           | Y   | C <u>1</u>   |
|      |           |           | Z   | B <u>13</u> /C <u>2</u> /E <sub>2</sub> <u>3</u> /E <sub>7</sub> <u>19</u> /E <sub>8</sub> <u>3</u> /F <u>10</u> |
|      |           |           | U   | C <u>1</u>   |
| <br> |           |           |     |  |
| B104 | <u>14</u> | <u>4</u>  | S1B | V <u>1</u>   |
|      |           |           | T2  | ABC <u>9</u>   |
|      |           |           | V1  | C <u>2</u>   |
|      |           |           | W14 | C <u>1</u>   |
|      |           |           | W18 | ABC <u>1</u>   |
| <br> |           |           |     |  |
| B127 | <u>3</u>  | <u>3</u>  | X1  | C <u>1</u>   |
|      |           |           | Z   | C <u>1</u> E <sub>2</sub> <u>1</u>   |

FABRICS

(i) T1 - W1 Horizons

(Phases 5,6,7,8,10)

Certain patterns in the proportion of T1 to W1 wares have been noted in late Saxon assemblages on St Peter's Street and Chalk Lane (McCarthy in Williams 1979:227). As in the case of Marefair, no definite chronological significance could be attached to these patterns. While in certain contexts on St Peter's Street W1 is stratigraphically later, the reverse seems to be the case on Marefair (see Table i). It seems more likely that the groupings are the result of different

Table i

|          |    |     |     |    |
|----------|----|-----|-----|----|
| Phases : | 5  | 7   | 8   | 10 |
| T1% :    | 39 | 17  | 39  | 73 |
| W1% :    | 41 | 75  | 50  | 23 |
| Fabric   |    |     |     |    |
| Totals : | 75 | 107 | 128 | 70 |

functional areas, but here again there is conflicting evidence between sites. The association of T1 with metal-working debris was noted on St Peter's Street. On Marefair however, the finer fabric W1 is predominant in Phases 7 and 8 in which the majority of crucible fragments were found (see Crucible Fragments in main text).

(ii) T1 - 2

(Phase 11A Yard and Synthesis; Fig11:27-32;  
McCarthy in Williams 1979:156-7).

This class of pottery (represented chiefly by body sherds) may be a late form of St Neots type ware (T1), an early medieval fabric (T2), or belong to a transitional stage in the development of the local calcareous pottery. A case for continuity in domestic coarse wares, despite the upheavals of the Norman period is strongly argued.

The fabric lacks the soft texture of T1, but retains the finely crushed shelly limestone inclusions, almost complete lack of sand, and light to reddish brown/black surface colours (7.5YR 6/4 - 2.5YR 5/4 - N2/0). It has not acquired the hard, sometimes rough, feel and red-yellow colour (2.5YR 5/6 - 5YR 6/8) of the generally oxidised and higher fired medieval wares. Small cooking pots and interned bowls in the St Neots tradition have been identified in this fabric (27-31), besides a small bowl/lamp (32).

It has been noted (Synthesis) that T1-2 occurs chiefly in association with T2 wares and other medieval fabrics of the 12th -14thC (Phase 11A Yard), but further work is clearly required before it can be established whether it represents the tenacity of Late Saxon tradition in the medieval period or a residual element in the assemblage.

(iii) V1 c1100-1400

(Phase 11A Yard; Fig 11:67-70)

The source of this ware is uncertain, but both fabric and form suggest that it is related to fabric T2 and thus of local origin. The general heading V1 probably incorporates a number of sandy calcareous fabrics emanating from different kilns in the area. V1 is distinguished by the very mixed nature of the fabric inclusions, indicating that a Boulder Clay source is likely.

Fabric : (McCarthy in Williams 1979:157)

Forms : Note the similarity between T2 and V1 forms especially the triangular rim sections (T1:59; V1:70). There is also a possible jug rim (69).

(iv) V4 c1200-1500

(Phase 12ii Yard; Fig 14:124-5)

A sandy calcareous fabric, not previously identified in Northampton, it is similar to Fabric B from the medieval kilns at Olney Hyde, Bucks (Excav by Mynard).

Fabric : Wheelthrown. Hard, smooth to rough texture and fracture, 3-6mm thick.

Unglazed. One vessel bears external vertical tool marks. Throwing ridges prominent on both surfaces. External off-white to pinkish grey slip present on

some vessels (i.e. 125:7.5YR 7/2). Core grey-black (N5/0-N2/0), margins sometimes grey(N6/0). Inclusions : rare to common, sub-angular to sub-rounded, well-sorted quartz 0.2-0.3mm diam); rare to common sub-rounded, ?limestone/chalk (0.2-3mm diam); sometimes lumps up to 5mm diam protrude from surface); common minute mica flakes.

Form : cooking pots with flat or sagging bases and globular profiles (no rims identified); one jug rim (124) from narrow-necked vessel; base of small jug or bottle(125) is unusual form.

Date : First appearance of fabric in Phase 12ii Yard (10 sherds) points to the later medieval period.

(v) W45 c1200-1400

(Phase 11Cii House North Wall)

Only 2 bodysherds were recovered from Marefair in this fabric which is also present among pottery from Northampton Castle. Although predominantly a sandy ware, it is related to fabrics in class V on account of the calcareous content.

Fabric : Harsh, hackly texture and fracture, 4-6mm thick. Unglazed. Core reddish yellow to grey (7.5YR 7/6 -N6/0). Surfaces grey-black (N6/0 - n2/0). Inclusions: plentiful sub-rounded, poorly-sorted shelly limestone and ooliths; rare sub-rounded magnetite (0.2-0.4mm diam); plentiful minute mica flakes.

Forms : ?Cooking vessel

Date : Later medieval; no precise date can be given on account of long time range covered by associated pottery.



(vi) W49 c1100-1400

(Phases 11Cii House N Wall, 13A House)

This fabric, identified in Phase 1 of Greyfriars (Gryspeerd in Williams 1978:135,139), is a regional import of obscure origin, related to the sandy calcareous wares in class V and to fabric W75.

Fabric : (ibid :135).

Forms : ?Cooking vessels.

Date : Only a general medieval date is possible, owing to lack of good stratigraphic evidence and possibility of residuality.

(vii) W53 c1200-1500

(Phases 11Cii,12ii Yard, 13A House)

This ware, not previously noted in Northampton, has a distinctive fabric, strongly resembling some Leicestershire wares.

Fabric : Wheelthrown. Hard, pimply surface and hackly fracture, 6-10mm thick. Core and interior pink (2.5YR 6/8-7.5YR 8/4). Sometimes external light red or reddish yellow slip (2.5YR 6/8,7.5YR 6/6) and thick light red or yellow glaze (2.5YR 6/8,2.5Y 7/8). Inclusions : plentiful sub-angular to sub-rounded, poorly-sorted quartz (0.4-2mm diam); rare soft red sub-rounded hematite (6.2-0.5mm diam). Forms : Jugs with flat bases and horizontal incised lines around neck and girth (no rims identified).

Date : Earliest appearance in Phase 11Cii Yard suggests later medieval.

#### VESSELS

(i) ?Y

(Phase 6:7)

Fabric and form are unique in Northampton; ?continental import.

Fabric : wheelthrown, fine, hard smooth surface texture, slightly rough fracture, 4-6mm thick. Pronounced internal and external grooves, fingered surfaces. Core and surfaces pale pink (5YR 7/3 - 7.5YR 7/4). Inclusions : frequent sub-angular to rounded, poorly sorted quartz (0.1-0.6mm diam); occasional sub-rounded black grains, ?magnetite (0.3-0.6mm diam); slightly micaceous.

Form : ?biconical pot; slightly squared rim (110mm diam).

Date : ?Late Saxon; associated fabrics : T1,W1. If identification as Frankish import correct, form may be compared with similar example from Hamwih (cf. Dunning 1959:50;23,6) and fabric with Hodges' Class 12?(Hodges in Peacock 1977:242-8).

(ii) Y

(Phase 8:8)

This is the first fragment of handled ladle in 'Blue Grey' ware to be identified in Northampton.

Fabric : ?wheelthrown, fairly coarse, hard smooth surface texture, rough laminated fracture, 7-10mm thick. Heavily fingered external surfaces. Core light grey(N7/0), surfaces dark grey-black(10YR 5/1 - N2/0). Inclusions : frequent sub-angular to

(ii) contd.

sub-rounded magnetite (0.3-0.6mm diam) slightly micaceous.

Form : ladle; only fragment of curved rim (160mm diam) and handle springer surviving.

Date : ?Late Saxon. All other documented examples in England have been dated later 11thC at earliest (Dunning 1959:59-60). However associated fabrics in assemblage (T1, W1, W3, X1) suggest pre-Conquest date for context is probable.

(iii) W3

(Phases 8,9)

A small quantity of Thetford type ware is present on Marefair.

Fabric : (McCarthy in Williams 1979:158)

Form : vessel in Phase 8 is probably a storage jar, although no trace of handles, despite  $\frac{1}{3}$  of rim circumference surviving.

Date : Small size (220mm diam) and simple decoration (thumbed strips applied vertically from the neck) suggest Late Saxon date (Hurst 1957:54).

Associated fabrics : T1, W1, X1.

(iv) U

(Phase 11B, 11Cii Yard:120)

Jug is probably from an east Midlands source; ?Lyveden (see Phase Summary 11B Yard).

Fabric : wheelthrown, fine; hard rough surface texture, smooth fracture, 5mm thick. Fine internal throwing lines, corrugated external grooves on neck. Core grey (N6/Q), interior surface and margins reddish yellow (5YR 6/6), external olive glaze (5Y 5/4), over white slip (5Y 8/6). Inclusions : frequent angular minute quartz, rare sub-rounded larger grains (0.3-0.6mm diam); occasional sub-rounded magnetite (0.3-3.5mm); very rare fragments of quartz (up to 4.5mm diam).

Form : large globular jug with narrow neck

Date : ?late medieval.

(v) U

(Phase 11A Yard:121)

2 small, nearly identical vessels are probably regional imports; ?Oxford region (W72).

Fabrics : wheelthrown, fine, very hard, slightly sandy surface texture and rough fracture, 4-5mm thick. Roughly finished bases, traces of wheel marks where cut from wheelhead, fingered surfaces. High fired, unglazed. Core tabular, white-light grey (N8/O - N7/O), overall reddish yellow-brown slip (5YR 7/6 - 5YR 7/4). Inclusions : frequent sub-angular minute quartz, occasional sub-rounded larger grains (0.2-0.4mm diam); common sub-angular black ?magnetite (minute -0.2mm diam).

Forms : lamps; similar in form but only  $\frac{2}{3}$  size of lamps in fabric from Northampton Castle. No traces of internal burning, therefore other possible uses.

Date : ?medieval.

(vi) Delftware

(Phases 13 and Post-13)

The tin-glazed earthenware from Marefair may be Dutch or English; some samples compare closely with London products (see c) below). It probably belongs to the period mid 17<sup>th</sup> - early 18<sup>th</sup>C, although a few examples in coarse, open-textured fabric may be of earlier 17<sup>th</sup>C date. A number of forms are represented : chiefly plates, dishes and bowls, but also a plain white ointment pot or tankard (cf. Lipski in Moorhouse 1970: 72 ; Fig 18, 197). Thick, overall bluish-white glazes are normal. Decoration is mainly geometric/botanical and dark blue, although purple and yellow also occurs.

a) Fluted dish

(Phase 13B House :150)

Fabric : fine, close-textured, slightly rough fracture, 4 mm thick. Pale yellow (2.5Y 7/4). Inclusions : frequent sub-angular to sub-rounded, well-sorted quartz (up to 0.2mm diam); occasional sub-rounded hematite (0.2-0.4mm diam).

Glaze : overall, smooth, matt, 0.3-0.4mm thick, bluish-white.

Form : reconstruction based on similar examples from London (Noël Hume 1977:Fig XIII, no 4) and Milton Keynes (Mynard 1974: 57;Fig 12,44).

Date : mid 17<sup>th</sup>-early 18<sup>th</sup>C.

b) Bowl

(Phase Post-13:M14)

Fabric : same as a) above.

Glaze : overall, smooth, shiny, 0.3mm thick, white.

Decoration : geometric/botanical, dark and light blue.

Form : Bloice Type 1. (Bloice 1971:123;Fig 53)

Date : late 17<sup>th</sup>-early 18<sup>th</sup>C.

c) Bowl

(Phase Post-13:M14)

Fabric : coarse, open-textured, rough fracture, 4-5mm thick. Pale yellow (2.5Y 7/4). Inclusions : frequent sub-angular to sub-rounded, poorly-sorted quartz (up to 0.6mm, chiefly 0.2-0.3mm diam); occasional sub-rounded sandstone (up to 0.5mm diam); rare sub-rounded hematite (0.2-0.4mm diam).

Glaze : internal pimply, thin, faintly blue and lustrous; external very thin, transparent with spots of blue.

Decoration : semi-geometric, blue and purple.

Form : identical example from Cheapside (Noël Hume 1977:51,Pl 51; 88, Fig XIII,no 6).

Date : mid 17<sup>th</sup>C.

(vi) contd

d) Plate

(Phase Post-13:M15)

Fabric : same as a) above, but 6-7mm thick.

Glaze : overall smooth shiny, 0.4mm thick, bluish-white.

Decoration : geometric/botanical, blue.

Form : Bloice Type 1a. (Bloice 1971:121;Fig53).

Date : mid 17<sup>th</sup>-early 18<sup>th</sup>C.

(iii) CATALOGUE OF ILLUSTRATED POTTERY

| No     | Phase     | Layer  | Fabric | Diameter(mm) |      | Colour(Munsell Soil Chart) |           |           | Comment         |
|--------|-----------|--------|--------|--------------|------|----------------------------|-----------|-----------|-----------------|
|        |           |        |        | Rim          | Base | Exterior                   | Core      | Interior  |                 |
| Fig 10 |           |        |        |              |      |                            |           |           |                 |
| 1      | 2         | B273   | S2     | 120          |      | N2/0                       | N2/0      | N2/0      | grass-tempered  |
| 2      | 3         | A224   | S1B    | 140          |      | N2/0                       | N2/0      | N2/0      |                 |
| 3      | 5         | A223   | W1     | 135          |      | 10YR 7/1                   | 10YR 7/1  | 10YR 7/1  |                 |
| 4      | 7         | A222   | W1     | 140          |      | 10YR 7/3                   | 10YR 7/3  | 10YR 7/3  |                 |
| 5      | 8         | A221   | W1     | 130          |      | 7.5YR 7/4                  | 10YR 7/3  | 10YR 7/3  |                 |
| 6      | 7         | A365   | W1     |              | 80   | 7.5YR 6/4                  | 10R 6/6   | 5YR 8/4   |                 |
| 7      | 6         | A370   | ?Y     | 110          |      | 7.5YR 7/4                  | 5YR 7/3   | 7.5YR 7/4 | ?biconical pot* |
| 8      | 8         | A221   | Y      | 160          |      | 10YR 5/1                   | N7/0      | N2/0      | ladle *         |
| 9      | 8         | A221   | W3     | 210          |      | N3/0                       | 10YR 5/2  | 5Y 6/1    | ?storage jar*   |
| 10     | 11Ci Yard | A283   | X1     |              |      | 5Y 5/4                     | N4/0      | 5Y 5/4    | overall glaze   |
| 11     | 11A Yard  | A339   | X1     | 140          |      | 5YR 8/3<br>2.5YR 5/8       | 5YR 7/1   | 5YR 8/2   | red paint       |
| 12     | 11B Yard  | A298   | ?X1    | 150          |      | N3/0                       | 7.5YR 8/2 | 7.5YR 7/4 |                 |
| 13     | 11A Yard  | A350   | X1     |              | 220  | 5YR 7/6<br>2.5YR 5/8       | 5YR 7/1   | 5YR8/1    | red paint       |
| 14     | 5         | A223   | T1     | 160          |      | 10YR 2/1                   | N3/0      | 7.5YR 6/4 |                 |
| 15     | 5         | A223   | T1     | 140          |      | 10YR 4/1                   | 5YR 6/3   | 10YR 4/1  |                 |
| 16     | 7         | A222   | T1     | 120          |      | N2/0                       | N3/0      | N2/0      |                 |
| 17     | 7         | A222   | T1     | 120          |      | N2/0                       | N2/0      | N2/0      |                 |
| 18     | 8         | A221   | T1     | 140          |      | 10R 4/2                    | N3/0      | 10R 6/3   |                 |
| 19     | 8         | A221   | T1     | 150          |      | 10R 2.5/1                  | N4/0      | 2.5YR 5/2 |                 |
| 20     | 7         | A222   | T1     |              | 100  | 5YR 4/1                    | N2/0      | 5YR 4/1   |                 |
| 21     | 8         | A221   | T1     |              | 120  | 10YR 6/1                   | N2.5/     | 2.5YR 5/4 |                 |
| 22     | 2         | B158.2 | T1     |              |      | 5YR 6/3                    | N3/0      | 2.5YR 6/2 |                 |
| 23     | 5         | A223   | T1     |              |      | 5YR 7/3                    | N3/0      | 5YR 7/3   | lug             |
| 24     | 8         | A221   | T1     | 200          |      | N2.5/0                     | N4/0      | N2.5/0    |                 |
| 25     | 8         | A221   | T1     | 260          |      | 10R 2.5/1                  | N4/0      | 7.5YR 6/4 |                 |
| 26     | 8         | A221   | T1     | 240          |      | 5YR 4/2                    | N5/0      | 5YR 4/2   |                 |

| No     | Phase                 | Layer  | Fabric | Diameter(mm) |      | Colour(Munsell Soil Chart) |           |           | Comment |
|--------|-----------------------|--------|--------|--------------|------|----------------------------|-----------|-----------|---------|
|        |                       |        |        | Rim          | Base | Exterior                   | Core      | Interior  |         |
| 27     | 11B Yard              | A288   | T1-2   | 140          |      | 2.5YR 5/6                  | N3/0      | 2.5YR 5/6 |         |
| 28     | 11Cii Yard            | A217   | T1-2   | 190          |      | 2.5YR 5/6                  | N3/0      | 2.5YR 5/6 |         |
| 29     | 11A Yard              | A334   | T1-2   | 210          |      | 7.5YR 7/4                  | N2/0      | 7.5YR 6/4 |         |
| 30     | 11A Yard              | A330   | T1-2   | 360          |      | 5YR 5/4                    | N3/0      | 2.5YR 5/4 |         |
| 31     | 11A Yard              | A321   | T1-2   | 300          |      | 5YR 4/2                    | 5YR 4/1   | 5YR 5/3   |         |
| 32     | 11A Yard              | A297   | T1-2   | 180          |      | 7.5YR 6/4                  | 5YR 6/1   | 7.5YR 6/2 | ?lamp   |
| Fig 11 |                       |        |        |              |      |                            |           |           |         |
| 33     | 11A Yard              | A302   | T2     | 260          |      | 5YR 6/6                    | 5YR 5/1   | 5YR 3/4   |         |
| 34     | 11A Yard              | A330   | T2     | 260          |      | 7.5YR 6/4                  | N5/0      | 5YR 7/6   |         |
| 35     | 11Cii House<br>N wa11 | A280   | T2     | 180          |      | 7.5YR 6/4                  | N5/0      | 7.5YR 7/6 |         |
| 36     | 11A Yard              | A272.1 | T2     | 170          |      | 7.5YR 7/6                  | 7.5YR 6/4 | 7.5YR 6/4 |         |
| 37     | 11A Yard              | A350   | T2     | 240          |      | 5YR 6/6                    | N5/0      | 5YR 7/6   |         |
| 38     | 11A Yard              | A357   | T2     | 260          |      | 5YR 5/4                    | N5/0      | 5YR 5/4   |         |
| 39     | 11A Yard              | A334   | T2     | 230          |      | 5YR 6/6                    | 5YR 5/1   | 7.5YR 6/6 |         |
| 40     | 11A Yard              | A339   | T2     | 270          |      | 7.5YR 6/4                  | N5/0      | 7.5YR 6/4 |         |
| 41     | 11A Yard              | A350   | T2     | 210          |      | 2.5YR 6/8                  | N4/0      | 2.5YR 6/6 |         |
| 42     | 10//11Ci House        | A272.2 | T2     | 260          |      | N4/0<br>7.5YR 7/6          | N3/0      | N4/0      |         |
| 43     | 11A Yard              | A334   | T2     | 280          |      | 5YR 5/6                    | N5/0      | 7.5YR 7/4 |         |
| 44     | 11A Yard              | A339   | T2     | 240          |      | 5YR 4/2                    | N4/0      | 5YR 5/4   |         |
| 45     | 11Cii Yard            | A276   | T2     | 220          | 240  | 7.5YR 5/4                  | N4/0      | 7.5YR 6/6 |         |
|        |                       |        |        |              |      | N2/0                       |           |           |         |
| 46     | 11A Yard              | A297   | T2     | 220          |      | 5YR 6/6                    | N4/0      | 5YR 6/6   |         |
| 47     | 10                    | A307   | T2     | 180          |      | 2.5YR 5/6                  | N3/0      | 2.5YR 6/8 |         |
| 48     | 11Cii Yard            | A217   | T2     | 250          |      | 5YR 6/6                    | 5YR 3/1   | 5YR 6/6   |         |
| 49     | 11B Yard              | A288   | T2     | 260          |      | 5YR 6/6                    | 5YR 7/1   | 5YR 6/6   |         |
| 50     | 11A Yard              | A297   | T2     | 260          |      | 7.5YR 6/6                  | 5YR 6/1   | 7.5YR 6/6 |         |
| 51     | 11A Yard              | A334   | T2     | 180          |      | 5YR 6/4                    | N5/0      | 5YR 6/6   |         |
| 52     | 11A Yard              | A339   | T2     | 230          |      | 2.5YR 6/6                  | N4/0      | 2.5YR 6/6 |         |

| No     | Phase                 | Layer | Fabric | Diameter(mm) |      | Colour(Munsell Soil Chart) |         |           | Comment    |
|--------|-----------------------|-------|--------|--------------|------|----------------------------|---------|-----------|------------|
|        |                       |       |        | Rim          | Base | Exterior                   | Core    | Interior  |            |
| 53     | 11A Yard              | A339  | T2     | 210          | 220  | 5YR 2.5/1<br>5YR 6/6       | 5YR 3/1 | 5YR 5/6   |            |
| 54     | 11A Yard              | A297  | T2     | 200          |      | 7.5YR 6/6                  | N4/0    | 5YR 7/6   |            |
| 55     | 11A Yard              | A321  | T2     | 160          |      | 5YR 5/4                    | N5/0    | 5YR 5/3   |            |
| 56     | 11A Yard              | A297  | T2     | 220          |      | 5YR 6/6                    | N4/0    | 5YR 6/6   |            |
| 57     | 11A Yard              | A350  | T2     | 220          |      | N3/0                       | N5/0    | 7.5YR 6/4 |            |
| 58     | 11A Yard              | A321  | T2     | 230          |      | 7.5YR 6/4                  | N6/0    | 7.5YR 7/4 |            |
| 59     | 11A Yard              | A297  | T2     | 260          |      | 7.5YR 7/4                  | N5/0    | 7.5YR 7/4 |            |
| 60     | 11A Yard              | A302  | T2     | 300          |      | 5YR 5/4                    | N4/0    | 7.5YR 7/4 |            |
| 61     | 11A Yard              | A330  | T2     | 240          |      | 5YR 7/6                    | 5YR 5/1 | 5YR 6/6   |            |
| 62     | 11Cii House<br>N Wall | A280  | T2     | 210          |      | 2.5YR 5/8                  | 5YR 4/1 | 2.5YR 5/4 |            |
| 63     | 11A Yard              | A330  | T2     |              | 200  | N3/0                       | N3/0    | 2.5YR 5/4 |            |
| 64     | 11A Yard              | A297  | T2     |              | 320  | 7.5YR 6/4                  | N5/0    | 5YR 6/6   |            |
| 65     | 11B Yard              | A288  | T6     | 220          |      | 2.5YR 5/4                  | N3/0    | 2.5YR 5/4 |            |
| 66     | 11Cii Yard            | A217  | T6     | 180          |      | 5YR 5/4                    | 5YR 5/1 | 2.5YR 5/4 |            |
| 67     | 12i Yard              | A234  | V1     | 200          |      | 7.5YR 7/4                  | N4/0    | 5YR 7/6   |            |
| 68     | 11A Yard              | A321  | V1     | 260          |      | 5YR 7/4                    | N3/0    | 5YR 7/4   |            |
| 69     | 11A Yard              | A297  | V1     | 220          |      | 5YR 6/4                    | N5/0    | 5YR 7/6   |            |
| 70     | 11A Yard              | A350  | V1     | 160          |      | 5YR 5/1                    | 5YR 5/8 | 5YR 5/2   |            |
| Fig 12 |                       |       |        |              |      |                            |         |           |            |
| 71     | 11A Yard              | A297  | T2     | 440          | 320  | 10R 2.5/1<br>7.5YR 7/4     | N3/0    | 5YR 4/3   |            |
| 72     | 11B Yard              | A288  | T2     | 390          |      | 5YR 7/6                    | N5/0    | 5YR 7/6   |            |
| 73     | 11A Yard              | A297  | T2     |              |      | N2.5/                      | N2.5/   | 5YR 5/3   | perforated |
| 74     | 11A Yard              | A339  | T2     | 440          |      | 5YR 4/2                    | 5YR 4/1 | 5YR 4/3   |            |
| 75     | 11A Yard              | A339  | T2     | 440          |      | 5YR 3/1                    | N4/0    | 2.5YR 5/4 |            |
| 76     | 11A Yard              | A297  | T2     | 130          |      | 5YR 7/6                    | 5YR 6/1 | 5YR 7/6   |            |
| 77     | 11A Yard              | A339  | T2     | 140          |      | 5YR 6/3                    | N4/0    | 5YR 6/3   |            |
| 78     | 13B House             | A62   | T2     | 140          |      | 7.5YR 7/6                  | N5/0    | 2.5YR 6/6 |            |
| 79     | 11Cii Yard            | A217  | T2     | 100          |      | 2.5YR 6/8                  | N6/0    | 2.5YR 6/8 |            |

| No     | Phase                 | Layer  | Fabric | Diameter(mm) |      | Colour(Munsell Soil Chart) |           |           | Comment                                       |
|--------|-----------------------|--------|--------|--------------|------|----------------------------|-----------|-----------|---|
|        |                       |        |        | Rim          | Base | Exterior                   | Core      | Interior  |   |
| 80     | 11Cii Yard            | A217   | T2     | 110          |      | 7.5YR 7/6                  | N6/0      | 7.5YR 6/4 |   |
| 81     | 11Cii House<br>N Wall | A280   | T2     | 130          |      | 5YR 6/6                    | 5YR 5/1   | 5YR 6/6   |   |
| 82     | 11Cii House<br>N Wall | A280   | T2     | 130          |      | 2.5YR 6/6                  | N3/0      | 2.5YR 6/8 |   |
| 83     | 11A Yard              | A297   | T2     | 140          |      | 7.5YR 6/4                  | N4/0      | 7.5YR 7/4 | rouletted                                     |
| 84     | 11A Yard              | A339   | T2     | 140          |      | 5YR 6/6                    | 5YR 5/1   | 5YR 6/6   |   |
| 85     | 13Ai House            | A142   | T2     | 110          |      |                            |           |           | } Lyveden type<br>ware; ext glaze<br>and slip |
|        | 11Cii House<br>N Wall | A272.1 | T2     | 140          |      | 5YR 5/4                    | 10YR 5/2  | 5YR 6/8   |   |
|        | ?13(SS)               | A68    | T2     |              |      | 2.5Y 5/6<br>2.5Y 7/8       |           |           |   |
| 86     | 11Cii House<br>N Wall | A290   | T2     |              |      | 5YR 6/6                    | N5/0      | 5YR 8/4   | rouletted                                     |
| 87     | 11B Yard              | A288   | T2     |              |      | 7.5YR 6/4                  | N6/0      | 7.5YR 6/4 |   |
| 88     | 11A Yard              | A350   | T2     |              |      | 5YR 6/6                    | N4/0      | 5YR 6/6   |   |
| 89     | 11A Yard              | A297   | T2     | 120          |      | 5YR 6/6                    | N3/0      | 2.5YR 6/6 |   |
| 90     | 11A Yard              | A297   | T2     | 140          |      | 5YR 6/4                    | N3/0      | 2.5YR 6/8 |   |
| 91     | 11A/B Yard            | A338   | T2     | 150          |      | 5YR 6/6                    | N5/0      | 7.5YR 6/4 |   |
| 92     | 11Cii House<br>N Wall | A280   | T2     | 70           |      | 5YR 6/4                    | 5YR 4/1   | 5YR 6/4   |   |
| 93     | 11A Yard              | A339   | T2     | 80           |      | 2.5YR 6/8                  | N4/0      | 2.5YR 6/8 |   |
| 94     | 12ii Yard             | A157   | T2     | 70           |      | 5YR 6/6                    | 5YR 4/1   | 5YR 6/6   |   |
| Fig 13 |                       |        |        |              |      |                            |           |           |   |
| 95     | 11Cii Yard            | A217   | W18    | 280          |      | 5YR 6/4                    | 5YR 2.5/1 | 5YR 6/4   |   |
| 96     | 13 Yard               | A155   | W18    | 200          |      | 7.5YR 6/6                  | N3/0      | 7.5YR 7/4 |   |
| 97     | 12ii Yard             | A157   | W18    | 200          |      | 2.5YR 5/6                  | 10YR 7/3  | 2.5YR 5/6 |   |
| 98     | 12ii//Post-13         | A159   | W18    | 200          |      | 5YR 6/4<br>5Y 5/6          | N2/0      | 5YR 6/6   | ext glaze                                     |
| 99     | 12ii Yard             | A188 W | W18    | 320          |      | 5YR 7/6                    | N3/0      | 5YR 7/2   |   |
| 100    | 12ii Yard             | A157   | W18    | 240          |      | 10YR 5/4                   | N2/0      | 7.5YR 6/6 |   |
| 101    | 13 Yard               | A153   | W18    | 360          |      | 5YR 6/6                    | N3/0      | 5YR 6/2   |   |
| 102    | 13 Yard               | A160   | W18    | 280          |      | N3/0                       | N5/0      | N3/0      |   |
| 103    | 13 Yard               | A160   | W18    | 70           |      | 10YR 4/1<br>5Y 5/4         | 10YR 4/1  | 7.5YR 6/4 | ext patchy glaze                              |
| 104    | 13A House             | A111   | W18    | 120          |      | 7.5YR 7/6<br>5Y 4/4        | N3/0      | N3/0      | ext patchy glaze                              |



| No     | Phase                  | Layer  | Fabric | Diameter(mm) |      | Colour(Munsell Soil Chart)     |           |           | Comment                               |
|--------|------------------------|--------|--------|--------------|------|--------------------------------|-----------|-----------|---------------------------------------|
|        |                        |        |        | Rim          | Base | Exterior                       | Core      | Interior  |                                       |
| 105    | 12ii Yard              | A157   | W18    | 110          |      | 5YR 6/4                        | N2/0      | 5YR 7/6   | ext patchy glaze                      |
|        | 11Cii/12 Yard          | A235   |        |              |      | 5Y 5/4                         |           |           |                                       |
| 106    | 11Cii Yard             | A217   | W18    | 100          |      | 2.5YR 5/8<br>5Y 4/4            | 7.5YR 7/2 | 2.5YR 5/8 | ext glaze                             |
| 107    | 13 Yard                | A160   | W18    | 130          |      | 5YR 6/6<br>5Y 4/4              | N3/0      | 5YR 5/4   |                                       |
| 108    | 12ii Yard              | A236   | W18    | 140          |      | 7.5YR 7/6<br>5Y 4/4            | N3/0      | 7.5YR 8/4 |                                       |
| 109    | 12ii Yard              | A188   | W18    | 50           | 90   | 10R 4/1<br>5Y 4/4              | N3/0      | 7.5YR 6/4 | bottle;<br>ext patchy glaze           |
| 110    | 13 Yard                | A160   | W18    |              |      | 5Y 4/4                         | N7/0      | 7.5Y 8/4  | ?costrel;<br>ext glaze                |
| 111    | 12i Yard               | A234   | W18    | 210          |      | 5Y 2.5/1<br>dark green         | 5Y 2.5/1  | 5YR 6/4   | ?lid;<br>ext glaze                    |
| 112    | 12ii Yard              | A188   | W18    | 160          |      | 7.5YR 7/6<br>5Y 3/2            | N3/0      | 10YR 7/4  | bifid;<br>ext patchy glaze            |
| 113    | 13 Yard                | A160   | W18    |              |      | N4/0                           | N3/0      | N4/0      |                                       |
| 114    | 13B House              | A62    | W18    |              |      | 10YR 5/1                       | N3/0      | 10YR 6/3  | bunghole                              |
| Fig 14 |                        |        |        |              |      |                                |           |           |                                       |
| 115    | 11Cii House<br>NW wall | A272.1 | W11    | 130          |      | 5Y 6/8                         | N5/0      | 7.5YR 8/4 | ext glaze                             |
| 116    | 13 Yard                | A81    | W11    | 120          |      | 5Y 6/4                         | N7/0      | 7.5YR 7/6 | ext glaze<br>-dark green              |
| 117    | 13 Yard                | A155   | W11    |              |      | 5Y 5/6                         | 10YR 7/1  | 10YR 7/1  | overall glaze<br>-dark green -5YR 7/6 |
| 118    | 11Ci Yard              | A286   | W14    | 110          |      | 7.5YR 7/6<br>5Y 7/6<br>5YR 3/2 | 7.5YR 7/6 | 7.5YR 7/6 | ext patchy glaze<br>and brown slip    |
| 119    | 11Cii House<br>NW wall | A280   | W14    | 180          |      | 7.5YR 7/6                      | 7.5YR 7/6 | 10YR 8/3  |                                       |
| 120    | 11B Yard               | A288   | U      |              |      | 5Y 5/4                         | N6/0      | 5YR 6/6   | ext glaze and<br>slip *               |
|        | 11Cii Yard             | A217   |        |              |      | 5Y 8/6                         |           |           |                                       |
| 121    | 11A Yard               | A339   | U      | 60           |      | 5YR 7/6                        | 5YR 7/6   |           | ?lamps*                               |
|        | 11A Yard               | A339   |        |              |      | 5YR 5/4                        |           |           |                                       |
| 122    | 11Cii House<br>NW wall | A272.1 | V3     | 185          |      | N2/0                           | N3/0      | N2/0      |                                       |
| 123    | 11Cii House<br>NW wall | A272.1 | V3     | 210          |      | N3/0                           | 10YR 3/3  | N3/0      |                                       |
| 124    | 12ii Yard              | A188   | V4     | 100          |      | N4/0                           | N2/0      | N4/0      |                                       |

| No  | Phase                 | Layer     | Fabric | Diameter(mm) |      | Colour(Munsell Soil Chart) |           |             | Comment                       |
|-----|-----------------------|-----------|--------|--------------|------|----------------------------|-----------|-------------|-------------------------------|
|     |                       |           |        | Rim          | Base | Exterior                   | Core      | Interior    |                               |
| 125 | 12ii Yard             | A138      | V4     |              | 75   | 5YR 7/6                    | N4/0      | 2.5Y 7/2    |                               |
| 126 | 11B Yard              | A288      | W20    |              | 240  | N3/0                       | N4/0      | 10R 4/1     |                               |
| 127 | 11Cii House<br>N Wall | A280      | W20    |              | 200  | N3/0                       | N4/0      | N3/0        |                               |
| 128 | 13 Yard               | A155      | W20    |              | 180  | 10YR 6/2                   | 5YR 5/3   | 10YR 7/2    |                               |
| 129 | 13 Yard               | A155      | W20    |              | 140  | 10 YR 5/3                  | 7.5YR 6/4 | 10YR 5/1    |                               |
| 130 | 13 Yard               | A160      | W20    |              | 200  | N2/0                       | 5YR 5/1   | N2/0        |                               |
| 131 | 12ii Yard             | A188      | W21    |              | 135  | dark green                 | 10YR 8/3  | 5Y 6/8      | overall glaze                 |
| 132 | 13 Yard               | A155      | W21    |              | 80   | dark green                 | 2.5Y 8/2  | 2.5Y 8/2    | ext glaze<br>-dark green      |
| 133 | 13Ai Yard             | A90       | W21    |              | 60   | 7.5YR 8/2                  | 7.5YR 8/2 | dark green  | } int glaze                   |
| 134 | 11Cii Yard            | A217      | W21    |              | 80   | 10YR 8/2                   | 10YR 8/2  | dark green  |                               |
| 135 | 11Cii Yard            | A217      | W21    |              | 110  | 10YR 8/2                   | 10YR 8/2  | 10YR 8/2    | ext glaze<br>-dark green      |
| 136 | 13 Yard               | A81       | W29    |              | 320  | 5YR 3/1                    | N5/0      | 5YR 5/2     |                               |
| 137 | 13 Yard               | A81       | W29    |              | 400  | 5YR 6/4<br>-5YR 4/1        | N6/0      | 5YR 8/6     |                               |
| 138 | 12ii//Post-13         | A189      | X2a    |              | 65   | 10R 2.5/1<br>10YR 6/8      | 5YR 5/4   | 2.5YR 2.5/2 | overall glaze<br>and ext slip |
| 139 | 12ii//Post-13         | A189      | Y      |              | 90   | 7.5YR 5/6<br>5Y 6/1        | N3/0      | 7.5YR 5/4   | Raeren; ext glaze             |
| 140 | ?13 Yard              | A195      | W16    |              | 300  | 5YR 3/2                    | 2.5YR 5/6 | 2.5YR 5/6   | int glaze                     |
| 141 | 13A House             | A96, A110 | } W17  |              | 310  | 10YR 8/6                   | 2.5Y 8/2  | 2.5Y 8/8    | } int glaze                   |
|     | 13B House             | A62       |        |              | 210  |                            |           |             |                               |
| 142 | 13 Yard               | A81       | W17    |              | 340  | 10YR 8/4                   | 5YR 8/1   | 5Y 8/8      |                               |
| 143 | ?13 Yard              | A195      | W17    |              | 310  | 10YR 7/6                   | 10YR 8/4  | 2.5Y 7/6    |                               |
| 144 | ?13 Yard              | A195      | X2b    |              | 120  | N3/0                       | 10R 5/6   | 10R 5/6     | ext glaze                     |
| 145 | ?13/Post-13           | A88       | X2b    |              | 85   | 10R 2.5/1                  | 10R 5/6   | 2.5YR 2.5/2 | } overall glaze               |
| 146 | ?11C//13              | A185      | X2b    |              | 65   | N2/0                       | 2.5YR 6/8 | N2/0        |                               |

Fig 15

| No  | Phase                   | Layer | Fabric | Diameter(mm) |      | Colour(Munsell Soil Chart)                   |           |                                     | Comment   |
|-----|-------------------------|-------|--------|--------------|------|--|-----------|-------------------------------------|---|
|     |                         |       |        | Rim          | Base | Exterior                                     | Core      | Interior                            |   |
| 147 | ?13 Yard                | A194  | Z      | 120          |      | 2.5Y 8/8<br>2.5Y 2.5/2                       | 2.5Y 8/4  | 2.5Y 8/8                            | } Staffs slipware;<br>overall glaze             |
| 148 | ?13/Post-13             | A72   | Z      |              |      | 2.5Y 8/8<br>5YR 3/2<br>10YR 6/8<br>7.5YR 5/8 | 2.5Y 8/4  | 2.5Y 8/8                            |   |
| 149 | ?13/Post-13             | A75   | Z      | 100          |      | 2.5Y 8/4                                     | 2.5Y 8/4  | 2.5Y 7/8                            |   |
| 150 | 13B House               | A56   | Z      | c250         |      | bluish<br>-white                             | 2.5Y 8/4  | bluish<br>-white<br>blue dec        | } fluted dish<br><br>Delftware*                 |
| 151 | 13B House               | A56   | Z      | 220          |      | white  | 2.5Y 8/4  | white<br>blue dec                   |   |
| 152 | <sup>213</sup><br>3Yard | A195  | Z      | 155          |      | 2.5YR 6/6                                    | 2.5YR 6/6 | 2.5YR 8/8<br>10R 2.5/1<br>2.5YR 4/8 | } int<br>marbled<br><br>local<br>coarse<br>ware |
| 153 | 13 Yard                 | A81   | Z      | 340          |      | 5YR 6/6                                      | N4/0      | 5Y 4/4                              |   |
| 154 | ?13/Post-13             | A75   | Z      | 340          |      | 10R 4/8                                      | 2.5YR 6/8 | 5YR 3/2                             |   |
| 155 | ?13/Post-13             | A75   | Z      | 360          |      | 2.5YR 6/8                                    | 5Y 5/1    | 2.5YR 5/8                           | } int glaze                                     |

(iv) CATALOGUE OF UNSTRATIFIED AND SECONDARY SEQUENCE POTTERY

Fig. m7

| No | Phase           | Layer | Fabric | Diameter(mm) |      | Colour(Munsell Soil Chart) |               |                | Comment                     |
|----|-----------------|-------|--------|--------------|------|----------------------------|---------------|----------------|-----------------------------|
|    |                 |       |        | Rim          | Base | Exterior                   | Core          | Interior       |                             |
| 1  | ?11A//C SS      | B119  | T1     |              |      | 7.5YR 7/2                  | N6/0          | 7.5YR 7/2      | spout of<br>? bowl/pitcher  |
| 2  | 11//?Post-13 SS | B4    | T1     | 120          | 80   | 5YR 5/3                    | N5/0          | 5YR 5/3        |                             |
| 3  | ?11A//C SS      | B119  | T1     |              | 70   | 5YR 6/6                    | N6/0          | 5YR 6/6        |                             |
| 4  | ?11A//C SS      | B119  | T1     | 105          |      | 7.5YR 7/2                  | N5/0          | 7.5YR 7/2      |                             |
| 5  | Post-13         | A89   | W18    | 180          |      | 5YR 5/2                    | N5/0          | 5Y 4/4<br>-6/8 | tripod pipkin;<br>int glaze |
| 6  | 11//?Post-13 SS | B3    | W18    | 170          |      | 10YR 6/0                   | N7/0<br>-N3/0 | N5/0           | pipkin                      |
| 7  | 13 or Post13 SS | A26   | W18    | 180          |      | 7.5YR 6/6<br>5Y 6/6        | N5/0          | 7.5YR 6/4      | ext glaze                   |

| No | Phase             | Layer | Fabric | Diameter(mm) |      | Colour(Munsell Soil Chart) |                    |  | Comment                                      |
|----|-------------------|-------|--------|--------------|------|----------------------------|--------------------|--|--|
|    |                   |       |        | Rim          | Base | Exterior                   | Core               | Interior                               |  |
| 8  | ?13 SS            | A65   | W18    | 110          |      | 7.5YR 7/4<br>5Y 4/4        | N5/0               | 7.5YR 7/4                              | ext glaze; incised                           |
| 9  | 11//?Post-13 SS   | B3    | W18    | 150          |      | 10YR 7/4                   | N4/0               | 10YR 7/2                               | ext glaze; stabbed                           |
| 10 | ?11//13 SS        | A311  | W18    | 360          |      | 7.5YR 5/2                  | N2/0               | 7.5YR 7/6                              |  |
| 11 | 11//?Post-13 SS   | B3    | W18    | 160          |      | 7.5YR 6/4                  | 7.5YR 6/4<br>-N5/0 | N5/0                                   |  |
| 12 | ?13 or Post-13 SS | A63   | W17    | 190          |      | 2.5Y 8/8                   | 7.5YR 8/8          | 2.5Y 8/8                               | overall glaze                                |
| 13 | Post-13           | A168  | W16    | 340          | 180  | 7.5YR 6/2                  | 5YR 4/2            | 7.5YR 6/2                              |  |
| 14 | Post-13           | A85   | Z      | 170          |      | 2.5Y 8/4                   | 2.5Y 7/4           | bluish white<br>blue and purple<br>dec | } Delftware*                                 |
| 15 | Post-13           | B102  | Z      | 300          |      | bluish<br>-white           | 2.5Y 8/4           | bluish white<br>blue dec               |  |
| 16 | ?13 SS            | A197  | Z      | 130          | 100  | 10YR 2/2                   | 5YR 7/6            | 10YR 2/2                               | - Staffs;<br>chestnut overall glaze<br>brown |
| 17 | ?13 SS            | A197  | Z      | 100          | 55   | N8/0                       | 2.5Y 8/2           | N8/0                                   | } Staffs white<br>salt-glazed<br>stoneware   |
| 18 | ?13 SS            | A197  | Z      | 70           | 35   | N8/0                       | 2.5Y 8/2           | N8/0                                   |  |
| 19 | Post-13           | B102  | Z      | 220          |      | N8/0                       | 2.5Y 8/4           | N8/0                                   |  |
| 20 | Post-13           | A85   | Z      | 130          | 80   | 5YR 5/3                    | 2.5YR 5/6          | 2.5Y 7/8<br>-10YR 3/6                  | } local coarse<br>ware; int<br>marbled slip  |
| 21 | Post-13           | A55   | Z      | 110          | 70   | 2.5YR 6/6                  | 2.5YR 6/6          | 5YR 5/8<br>-2.5YR 8/6                  |  |
| 22 | Post-13           | A85   | Z      | 260          |      | 7.5YR 7/4                  | 2.5YR 6/6          | 10YR 8/6<br>-4/6                       |  |

\* See (ii) Notes on specific vessels.

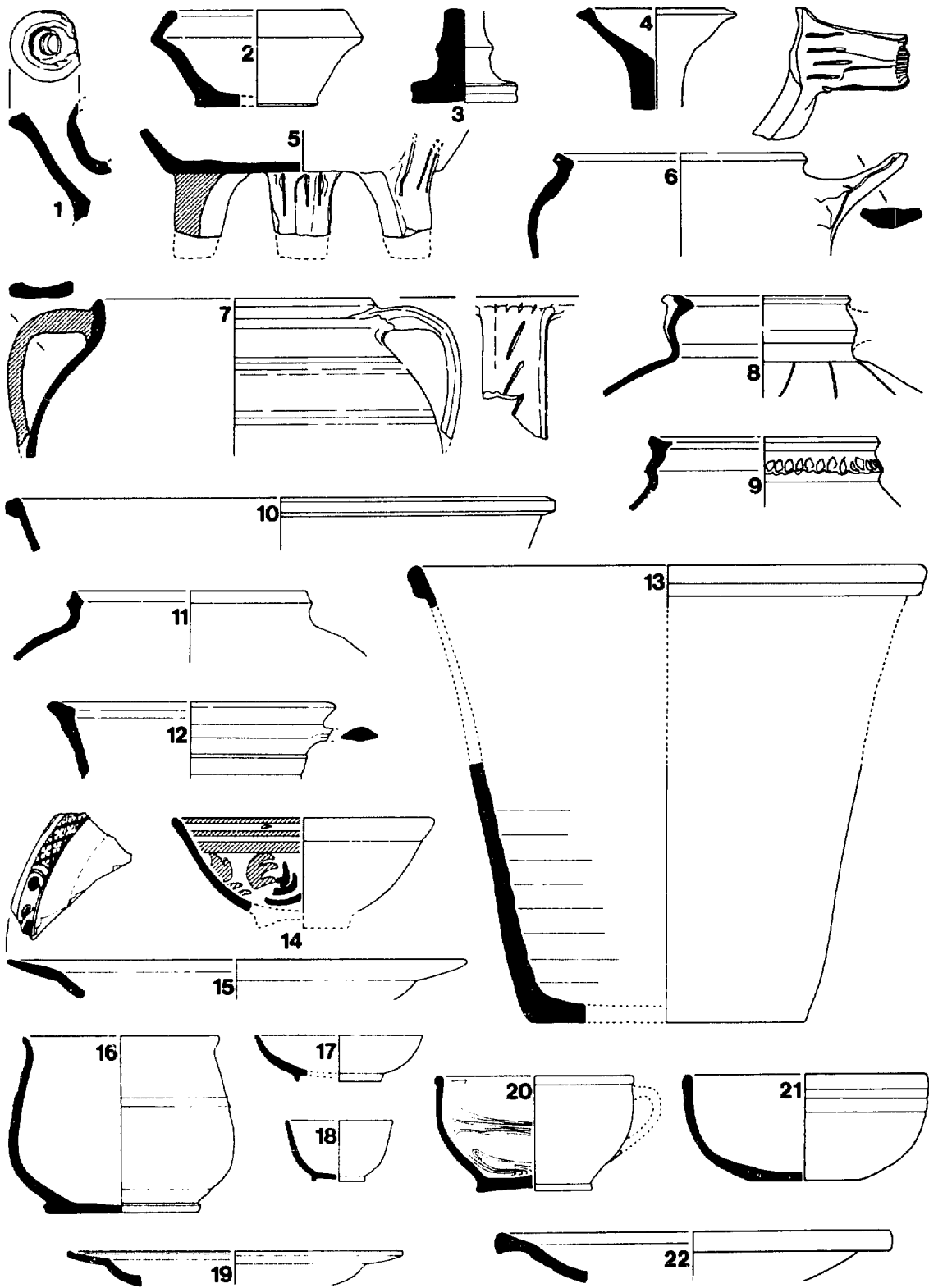


Fig. M7

0 50 100 150 200

## THE OTHER FINDS

### THE COINS AND COUNTERS

by M M Archibald

- Nu1 St Edmund Memorial  
Penny  
Small flan group, illiterate legends  
Obv: + UCEADI  
Rev: + AZEUTEN  
Wt: 0.59gm = 9.1gr  
Post-Cuerdale group struck c 905-915. Probably deposited before c 930  
(cf Archibald in Williams 1979: Nu8-10).  
Found in initial cleaning after machine stripping. Possibly (B134) = A222.  
?Phase 7. SFNu8.
- Nu2 9th C coin or possibly St Edmund Memorial penny.  
Tiny fragment of coin. Both sides have circumscription legend.  
One side has probably a cross in centre.  
Found in cleaning after machine stripping. Possibly (B132) = A223.  
?Phase 5. SFNu10.
- Nu3 Henry II  
Cut-farthing, Tealby issue ?Allen type C.  
Mint and moneyer uncertain.  
Wt: 0.19gm = 2.9gr (cleaned)  
Allen type C began to be produced c 1160, 2 years after the inception of the  
Tealby issue. A firm terminus ante quem is provided by the replacement of  
the Tealby issue by the Short Cross in 1180. As usual cut denominations may  
have survived a little longer than full pennies but in view of the distinctly  
different type of the Tealby issue it cannot have been for very long if at  
all in this case.  
A280. Phase 11Cii House, N wall. SFNu8.
- Nu4 Edward I-II  
Penny Fox class X(late)  
Mint: London  
Wt: 0.85gm = 13.1gr (cleaned)  
This coin was struck c 1305-10. It is a little, but not badly, worn which  
suggests a date before 1351 but as the coin also looks as if it had been  
clipped (it is not easy to tell as it is double-struck and the present state  
of the edge may not represent the original edge at deposition) a later date

cannot be ruled out.

A(227) = 157. Phase 12ii Yard. SFNu5.

Nu5 Edward II

Farthing Fox class XIII, Harris, Purvey and Woodhead No 065.

Mint: London

Wt: 0.21gm = 3.2gr (cleaned and incomplete).

This coin was struck c 1314-17. It is a little, but not badly, worn and its general condition suggests that it was deposited before 1351 but a close date is particularly difficult with the smaller denominations which can show abnormal wear-patterns.

A95. Phase 13Aii House. SFNu2.

Nu6 Edward III

Penny post-treaty coinage 1369-77.

Mint: Durham

Wt: 0.71gm = 10.9gr

This coin has been clipped but not badly worn. Its weight suggests that it was deposited shortly after the reduction in standard weight in 1413.

A248. Phase ?11//13. SFNu7.

Nu7 French jetton, mid 15th C.

A62. Phase 13B House. SFNu1.

Nu8 Nuremberg jetton, later 15th C.

A63. Phase ?13 or post-13. SFCu5.

Nu9 Nuremberg jetton

Hans Krauwinkel.

Late 16th C.

Unstrat. SFNull.

Nu10 Victoria

Sixpence 1890.

Wt: 2.54gm = 39.2gr (cleaned).

This coin is pretty worn which suggests a deposit date around the time of the First World War. The 925 silver coins, of which this is one, began to be withdrawn gradually after the reduction in fineness in 1920 but many thousands survived long after that. Intrusive.

(B69) = A223. Phase 5. SFNu6.

## THE COPPER ALLOY OBJECTS

by G E Oakley

### BELT FITTINGS (FIG 16, CUI-14)

- Cu1 Buckle with forked frame (shape revealed by X-radiograph) hole for missing pin, soldered plates, the back pitted by corrosion; remains of woven belt held between plates by 2 rivets. First half 14th C. L: 60mm. B122.1. Phase ?11C//13. SFCu99.
- Cu2 Buckle and strap end, hole for missing pin. L: 39mm. A(251) = 217. Phase IICii Yard. SFCu93.
- Cu3 Buckle loop fragment, deeply notched. Cf Oakley in Williams 1979: Cu21. W = 32.5mm. A189. Phase 12ii//post-13 Yard. SFCu87.
- Cu4 Buckle, tinned, remains of iron attachment and pin on bar. 17th C? Cf Drewett 1976: Fig 15, no 60. L: 40.5mm. A unstrat. SFCu53.
- Cu5 Hook-type fastening, surface tinned. Traces of 3 iron rivets. 14th C or later. L: 46mm. A unstrat. SFCu6.
- Cu6 Repoussé rosette with 2 rivets and indented washers. Remains of tablet-woven strap (T2) on back. Cf Oakley in Williams 1979: Cu60. Diam: 16mm. A(227) = 157. Phase 12ii Yard. SFCu78.
- Cu7 Repoussé rosette with off-centre hole and traces of iron rivet. Diam: 14mm. A188.5. Phase 12ii Yard. SFCu83.
- Cu8 Repoussé rosette and washer, central rivet. Remains of strap (T3). Diam: 15.5mm. B(21) = 20. Phase ?11A//C. SFCu27.
- Cu9 Disc with central hole, worn on one side by buckle pin?, 2 rivets with countersunk washers. Remains of strap (T4). Diam: 11mm. A(161) = 155. Phase 13 Yard. SFCu55.
- Cu10 Stud, bent shank. Remains of textile on back of head (T5). Diam: 8mm. A119. Phase 13Ai House. SFCu26.
- Cu11 Rectangular stiffener, edges chamfered, 2 countersunk rivet holes, 1 rivet remaining. Cf Oakley in Williams 1979: Cu37. L: 13.5mm. B(21) = 20. Phase ?11A//C. SFCu28.
- Cu12 Chape from belt or sheath? Decorated both sides by punched lines. Remains of 2 pieces of leather mounted back to back and cut to shape, held by 2 rivets. L: 40mm. A330. Phase 11A Yard. SFCu102.
- Cu13 Plate (with solder revealed by X-radiograph) from belt chape with forked frame (cf Cu1). First half 14th C. L: c 42mm. B unstrat. SFCu95.
- Cu14 Strap-end? Folded and cut sheet. W: 16mm. A188.5. Phase 12ii Yard. SFCu81.

### MISCELLANEOUS OBJECTS (Fig 16; Cu15-30)

- Cu15 Disc decorated with 2 concentric grooves, central hole pushed through.



Decorated face is polished and bears parallel straight line markings, perhaps from rolling process? Diam: 36mm. B122.1. Phase ?11C//13. SFCu98.

- Cu16 Thin roughly cut pierced disc, irregular score marks. Diam: 33-6mm. Th:  $\underline{c}$  0.3mm. A(227) = 157. Phase 12ii Yard. SFCu79.
- Cu17 Washer or rove? Doubled sheet disc with rectangular hole. Diam: 15-15.5mm. B208. Phase 2. SFCu108.
- Cu18 Pin from annular brooch or buckle. Deeply scored by ?file all over. No wear. 13th or 14th C L: 41.5mm. B3.1. Phase ?11A//C. SFCu14.
- Cu19 As Cu18. A(161) = 155. Phase 13 Yard. SFCu119.
- Cu20 (not ill). Top of rumbler type bell, inserted suspension strip. As Oakley in Mynard 1976: no 74 (no clapper). Diam:  $\underline{c}$  15mm. (B111) = A222. Phase 7. SFCu111.
- Cu21 Thimble. Diam: 16.5mm. A(120) = 108. Phase 13Ai House. SFCu48.
- Cu22 Twisted wire ring. Diam: 0.8mm. A132. Phase 13 Yard. SFCu46.
- Cu23 Wire eye. Wire diam:  $\underline{c}$  1mm. A(161) = 155. Phase 13 Yard. SFCu54.
- Cu24 (not ill). As Cu23. Wire diam:  $\underline{c}$  1.2mm. A89. Phase post-13. SFCu124.
- Cu25 (not ill). Plain disc with rounded edge. Diam: 27mm. A91. Phase 13Ai/B House. SFCu15.
- Cu26 Heavy key bit cast in one with hollow stem. Post-medieval? L: 32mm. A unstrat. SFCu61.
- Cu27 Cast vessel rim, smooth interior; exterior rough but ?mould join filed down. Diam:  $\underline{c}$  190mm. A(161) = 155. Phase 13 Yard. SFCu57.
- Cu28 (not ill). Edge binding strip? Single hole, thickness tapers across width. W: 12mm;  $\uparrow$ h: 0.5-1mm. A234. Phase 12i Yard. SFCu84.
- Cu29 (not ill). Tapering strip, 1 edge chamfered, 2 holes. L: 56.5 + mm; W: 12-14.5mm. A311/312. Phase ?11//13. SFCu103.
- Cu30 (not ill). Pierced sheet fragment. A(245) = 205. Phase ?11//13. SFCu89.

#### PINS (not ill; Cu31-70)

Cu31-2 are fragments of probably hand-made pins or needles. 38 pins made from drawn wire were found. Cu33 has a large head probably soldered on. Cu70 has an "upset" head of modern type. The rest can be assigned to the types of head already defined (Oakley in Williams 1979: 260) and were stratified as follows:-

H1 Phases 13 Yard, 11//?post-13, ?13 or post-13, post-13 (7), unstrat (4).  
Total:14.

H2 Phases 12ii Yard, 13 Yard (2), 13Ai/B House, 13B House (2), post-13 (2), unstrat (5). Total:13.

H- Phases ?11//13, post-13 (3), unstrat (5). Total: 9.

Seven pins, all but one of type H2, those stratified from Phases 13Ai/B and 13B House have been tinned.

- Cu31 Tapering shank fragment. A221. Phase 8. SFCu109.
- Cu32 Point of pin or needle, slightly hipped. L: 31 + mm. A272. Phase 11Cii House, N wall. SFCu94.
- Cu33 Large head. Diam: 4.5mm. B 3. Phase 11//?post-13. SFCu7.
- Cu34 H1. B3. Phase 11//?post-13. SFCu8.
- Cu35 H1. L: 42.5mm. A(161) = 155. Phase 13 Yard. SFCu75.
- Cu36 H1. L: 34.5mm. A63. Phase ?13 or post-13. SFCu12.
- Cu37-43 H1. L: 40, 41, 39.5, 35.5, 40.5, 46mm. A89. Phase post-13. SFCu29, 30, 40-1, 43.
- Cu44-7 H1. L: 31.5, 31.6mm. Cu44 tinned. A unstrat. SFCu17, 23, 67, 69.
- Cu48 H2. L: 44mm. A183.5. Phase 12ii Yard. SFCu82.
- Cu49 H2. A126. Phase 13 Yard. SFCu58.
- Cu50 H2. L: 28mm. A(161) = 155. Phase 13 Yard. SFCu63.
- Cu51 H2. L: 29.5mm. Tinned. A91. Phase 13Ai/B House. SFCu22.
- Cu52 H2. L: 29mm. A109. Phase 13B House. SFCu20.
- Cu53 H2. L: 30mm. Tinned. A62. Phase 13B House. SFCu116.
- Cu54-5 H2. L: 26, 42mm. A89. Phase post-13. SFCu39, 45.
- Cu56-60 H2. L: 25, 34, 26mm. Cu56-7, 60 tinned. A unstrat. SFCu73, 74, 110, 117, 121.
- Cu61 H- A(245) = 205. Phase ?11//13. SFCu88.
- Cu62-4 H- L: 33mm. A89. Phase post-13. SFCu41, 42, 44.
- Cu65-9 H- L: 58.5, 43.5mm. A unstrat. SFCu60, 64/5, 66, 71-2.
- Cu70 Upset. L: c 24mm. A176. Phase post-13. SFCu120.

#### LACE TAGS (not ill; Cu71-8)

Eight tags were found: five of type 1, two of type 2 (Oakley in Williams 1979: 262) and one of type 3, a thicker piece of sheet rolled up singly. Two of the type 1 tags had rivets, both of iron.

- Cu71 T1. Iron rivet. L: 26mm. B3. Phase 11//?post-13. SFCu11.
- Cu72 T1. Iron rivet. L: 29mm. A155. Phase 13 Yard. SFCu52.
- Cu73 T1. A126/A25? Phase 13 Yard/post-13? SFCu35.
- Cu74-5 T1. L: 37, 25 + mm. A89. Phase post-13. SFCu29-30.
- Cu76 T2. L: 19 (?+) mm. A96. Phase 13A House. SFCu16.
- Cu77 T2. L: 13 + mm. A72. Phase ?13/post-13 Yard. SFCu62.
- Cu78 T3 L: 25mm. A109. Phase 13B House. SFCu21.

#### METAL-WORKING WASTE (not ill; Cu79-104)

Ancient Monuments Laboratory ref nos given.

- Cu79 Dribble of molten copper alloy, also 'turnings' A(408.1) = 407. Phase 2. SFCu115. AML 790691.
- Cu80 Dribble. A224. Phase 3. SFCu126. AML 790695.

Cu81 Dribble. (B69) = A223. Phase 5. SFCu86. AML790698.  
 Cu82 Dribble. A222. Phase 7. SFCu113. AML790701.  
 Cu83 Dribble. A116. Phase post-11C. SFCu36.  
 Cu84 Dribble. A(227) = 157. Phase 12ii Yard. SFCu118. AML790704.  
 Cu85 Sheet scrap. B158.2. Phase 2. SFCu106. AML790689.  
 Cu86-8 Sheet scraps. (B158) = A224. Phase 3. SFC 104-5, 107. AML790692-4.  
 Cu89 Sheet scrap. B129. Phase 11B/C. SFC 100.  
 Cu90 Sheet scrap. A276. Phase 11Cii Yard. SFCu97.  
 Cu91 Sheet scrap. A(227) = 157. Phase 12ii Yard. SFCu80.  
 Cu92 Sheet scrap. A188.3. Phase 12ii Yard. SFCu127.  
 Cu93-4 Sheet scrap. A119. Phase 13Ai House. SFCu25, 37.  
 Cu95 Sheet scrap. A115. Phase 13Ai House. SFCu49.  
 Cu96 Sheet scrap. A111. Phase 13A House. SFCu24.  
 Cu97 Sheet offcut. A(84) = 81. Phase 13 Yard. SFC 18.  
 Cu98 Sheet offcut. A81. Phase 13 Yard. SFC 19.  
 Cu99 Sheet scrap. A(161) = 155. Phase 13 Yard. SFCu56.  
 Cul00-1 Sheet scraps. B3. Phase 11//?post-13. SFCu9, 10.  
 Cul02-3 Sheet offcuts. A89. Phase post-13. SFCU34, 38.  
 Cul04 Drawn wire, ends pinched. A248. Phase ?11//13. SFCu90.

## THE CRUCIBLE FRAGMENTS

by J Bayley

All the fragments (see Table M2) except CR6 and 13 are of a suitable fabric for use as a metal melting crucible. Most show some sign of having been heated to a high temperature, eg. partial vitrification of the fabric or glazing of the outer surface from contact with ash in the fire. However, not all these sherds show evidence of what was melted in them.

Seven had soft, black, waxy-looking blobs, often with a deep purple 'halo', on their inner surfaces. X-ray fluorescence analysis showed that these contained much silver which suggests that the crucibles had been used to melt silver. (X-ray diffraction analysis of a visually very similar deposit in a crucible of comparable date, though possibly residual, from Gloucester showed the presence of both silver and silver chloride, which is a normal corrosion product of silver). See also evidence of non-ferrous slag.

Six fragments had red flecks or areas in the vitreous deposits on their outer surfaces. These are usually produced by the presence of small amounts of copper or cuprous oxide, suggesting that these crucibles were used to melt copper alloys. In this context, however, base silver could contain enough copper to produce the red colouration. CR17 had contained both copper (red colour in the vitrified surfaces and green powdery corrosion products) and silver (a typically black 'waxy' blob with a powdery purple 'halo') - probably together in the form of a base silver alloy. One other crucible (CR10) had an adhering mass of green copper corrosion products, probably from an entrapped metal blob.

CR6 was a sherd either from the base of a vessel or from a flat dish-shaped crucible. It contained an opaque red glassy deposit. This can be differentiated from the accidentally formed deposits found on copper alloy melting crucibles by its high lead content. It is possible that the glass was deliberately made but it may be a by-product of some metallurgical process. Sherds with similar deposits have been found in 10th century levels in Lincoln. Parallels for these are known from several Viking period sites in Scandinavia; at one, Fyrkat in Denmark, they are described as "heating trays". Roesdahl (1977 : 51ff) has suggested that they were used to hold metal objects while eg. filigree decoration was soldered on. The fabric of this sherd would seem tailor-made for its use - it is not suitable for a metal melting crucible as there is insufficient quartz temper. The melting point of the glass is far lower than that of the metals melted in the rest of the crucibles so a far less

refractory material is adequate. The fabric also contains much organic matter as temper. This would help to produce the reducing conditions necessary for the retention of the red colour of the glass. The fact that the crucible was heated in reducing conditions can be demonstrated by both the red colour of the remaining glass and the presence of the organic temper in a charred form in the body of the crucible.

CR14 contains a comparatively thick glassy layer on its inner surface that has run into a pool which suggests that its production may have been deliberate. It is black glass coloured by iron and contains little or no lead.

The fabric of CR13 would not have stood the sort of temperatures demanded of a crucible; there is much vegetable temper and very little quartz. The 'glaze' on both inner and outer surfaces is probably the result of accidental overheating.

TABLE M2 : CRUCIBLE FRAGMENTS

| CR No | Layer No        | PHASE       | Silver internal residue | Copper alloy traces   |                 | Glass deposit | Sherd and vessel type | Wall Th. mm. | SF No     |
|-------|-----------------|-------------|-------------------------|-----------------------|-----------------|---------------|-----------------------|--------------|-----------|
|       |                 |             |                         | red colour externally | green corrosion |               |                       |              |           |
| 1     | A401            | 2           |                         | ✓                     |                 |               | thin                  | 3-5          | Pt102     |
| 2     | A222            | 7           |                         | ✓                     |                 | opaque red ✓  | Rim, thin             | 3.5          | Pt99      |
| 3     |                 |             | ✓                       |                       | thin            |               | 2-2.5                 | Pt100        |           |
| 4     |                 |             | ✓                       |                       | Base, thin      |               | 2-3                   | Pt111.1      |           |
| 5     |                 |             |                         |                       |                 |               | 4.5-5                 | Pt111.2      |           |
| 6     |                 |             |                         |                       |                 |               | 4.5-6                 | Pt111.3      |           |
| 7     |                 |             | ?                       |                       |                 |               | 5                     | Pt111.4      |           |
| 8     |                 |             |                         |                       | ✓               |               | thin                  | 3-3.5        | Pt111.5   |
| 9     |                 |             |                         |                       |                 |               | Rim, thick            | 4.5-6        | Pt113     |
| 10    |                 |             |                         |                       |                 |               | Rim frag?             |              | Cull4     |
| 11    |                 |             | A365                    | 7                     | ✓               |               |                       |              | Rim, thin |
| 12    | ✓               |             |                         |                       | thin            | 3.5-4         | Pt107.2               |              |           |
| 13    |                 |             |                         |                       | **              | 6-8           | Pt107.3               |              |           |
| 14    | A221            | 8           |                         | ✓                     |                 | black ✓       | thin                  | 4-5          | Pt110.1   |
| 15    |                 |             |                         |                       | thin            |               | 2-3                   | Pt110.2      |           |
| 16    |                 |             | ✓                       |                       | thin            |               | 2-3                   | Pt110.3      |           |
| 17    |                 |             | ✓                       | ✓                     | ✓               |               | ?Rim, thick           | c.8          | SL138     |
| 18    | A (331)=<br>307 | 10          | ✓                       | ✓                     |                 | large vessel  | 3-7                   | Pt51         |           |
| 19    | A339.3          | 11A<br>Yard |                         |                       |                 | Rim, thick    | 6-8                   | Pt106        |           |

AML ref Nos: CR9-790943; CR10-790702; CR17-790945 (part); rest - 785544

\*\* not suitable for metal melting

## THE LEAD OBJECTS

By G E Oakley

- Pb1 Weight? Irregular disc with hole in base. Wt: 24.2 gm; Diam: 19-24mm; Th: 5-8mm. A189. Phase 12ii//post-13 Yard. SFPb6.
- Pb2 Disc, cut from thin sheet. Diam: 32mm; Th: Imm. A203. Phase ?11//13. SFPb4
- PB3 Sheet fitting. Roughly cut rectangular sheet with 3 or 4 ? nail holes along one short edge, scored grooves on surface, now folded. 106 x c.60mm; Th: 1.3mm. A unstrat. SFPb2.
- Pb4 Sheet offcut. A(301) = 297. Phase 11A Yard. SFPb9.
- Pb5 Part melted offcut. A288. Phase 11B Yard. SFPb8.
- Pb6 Scrap/offcut. A(251) = 217. Phase 11CiiYard. SFPb7.
- Pb7 Sheet offcut. A(227) = 157. Phase 12ii Yard. SFPb5.
- Pb8 Scrap/offcut. A152/155. Phase 13 Yard. SFPb1.
- Pb9 Sheet offcut. D unstrat. SFPb12.
- Pb10 Scrap, possibly part-melted window came. A unstrat. SFPb10.
- Pb11 H-section window came (W:10mm). Several fragments plus triangular pane of pale greenish weathered glass (50 x 60 x 65mm sides), possibly 18th or 19th C. Unstrat. SFPb13.
- Pb12 H-section window came. Insides of channels have diagonal ridges. Possibly 18th or 19th C. W:9mm. A unstrat. SFPb11.

## THE IRON OBJECTS

by I H Goodall

|   |                            |
|---|----------------------------|
| Fe1 (B111) = A222. SFFe400                                | Fe29 A155. SFFe274         |
| Fe2 A222. SFFe434   | Fe30 A155. SFFe344         |
| Fe3 A221. SFFe428   | Fe31 A(161) = 155. SFFe297 |
| Fe4 A(331) = 307. SFFe415                                 | Fe32 A126. SFFe301         |
| Fe5 A(331) = 307. SFFe423                                 | Fe33 A(152) = 124. SFFe264 |
| Fe6 Late Saxon or early medieval<br>A126. SFFe181         | Fe34 A(161) = 155. SFFe286 |
| Fe7 Late Saxon or early medieval<br>B(120) = 119. SFFe389 | Fe35 L : 34mm A12. SFFe300 |
| Fe8 B64. SFFe313  | Fe36 L : 78mm A155 SFFe340 |
| Fe9 A(300) = 297. SFFe405                                 | Fe37 A118. SFFe112         |
| Fe10 A350. SFFe424  | Fe38 A92 SFFe279           |
| Fe11 A321.2. SFFe410                                      | Fe39 A118. SFFe118         |
| Fe12 A339.3. SFFe421                                      | Fe40 A118. SFFe114         |
| Fe13 B105.1. SFFe385                                      | Fe41 A142. SFFe258         |
| Fe14 B48.2. SFFe252                                       | Fe42 A118. SFFe138         |
| Fe15 A(300) = 297. SFFe399                                | Fe43 A118. SFFe122         |
| Fe16 A(300) = 297. SFFe408                                | Fe44 A118. SFFe140         |
| Fe17 B(123) = 119. SFFe393                                | Fe45 A118. SFFe111         |
| Fe18 B129. SFSL108  | Fe46 A129. SFFe162         |
| Fe19 A159. SFFe407  | Fe47 A119. SFFe73          |
| Fe20 A(251) = 217. SFFe362                                | Fe48 A115. SFFe249         |
| Fe21 A280. SFFe387  | Fe49 A96. SFFe60           |
| Fe22 A184.2. SFFe334                                      | Fe50 A62. SFFe59           |
| Fe23 A184.2. SFFe332                                      | Fe51 A62. SFFe53           |
| Fe24 A184. SFFe331  | Fe52 A62. SFFe455          |
| Fe25 B12. SFFe446   | Fe53 A197.3. SFFe335       |
| Fe26 A189. SFFe354  | Fe54 A(33) = 32. SFFe443   |
| Fe27 A189. SFFe358  | Fe55 B102. SFFe453         |
| Fe28 A(82) = 81. SFFe61                                   | Fe56 A168. SFFe454         |



## THE IRON NAILS

By G E Oakley

156 nails were found in Phases 3 to 13. Nearly one third could not be classified because of corrosion. 111 nails are listed in Table M3 under the types defined by Oakley in Williams 1979 : 277. Type E with large recto-oval head, probably structural, is most numerous. Type B, horseshoe nails, are fairly common in Phase 13 House and could be taken as evidence that the shoeing of horses took place on the premises. The figures do not include scrap nail fragments also found in the forge (Phase 13).

Type B here includes "fiddle-key" and other horseshoe nails with square heads. Type G was also probably used for this purpose. Type J includes 2 or 3 hobnails from shoes. Type H, noted as probably late medieval on St Peter's Street, occurs here in Phase 13 context and, on the basis of a well-preserved unstratified example, may be connected with the attachment of lead fittings, possibly in glazing. The pyramid-shaped head was encased in lead at the end of a lead strip.

NAILS

TABLE M3 : Number of nails of each type per Phase

| Type                | A         | B         | C        | D         | E         | F        | G        | H        | J        | X         | TOTAL      | No bent   |
|---------------------|-----------|-----------|----------|-----------|-----------|----------|----------|----------|----------|-----------|------------|-----------|
| PHASE               |           |           |          |           |           |          |          |          |          |           |            |           |
| 3                   |           |           |          |           |           |          | 1        |          |          |           | 1          | 1         |
| 4                   |           |           |          |           |           |          | 1        |          |          |           | 1          | 1         |
| 5                   |           |           |          |           |           |          |          |          |          | 1         | 1          |           |
| 8                   |           |           |          |           |           |          |          |          |          | 1         | 1          |           |
| 8//10               |           |           |          |           | 1         |          |          |          |          |           | 1          |           |
| 8//?11C(sec)        | 1         | 1         |          |           |           |          |          |          |          | 1         | 3          |           |
| ?8//11B(sec)        |           |           |          |           | 1         |          |          |          |          |           | 1          |           |
| 11A House           |           |           |          |           | 1         |          | 1        |          |          |           | 2          | 1         |
| 11A//11Ci House     | 1         | 1         |          |           | 4         | 1        |          |          |          | 1         | 8          | 2         |
| 11A Yard            |           |           | 1        | 2         | 1         | 1        |          |          |          |           | 5          | 3         |
| 11B Yard            |           |           |          |           |           | 1        |          |          |          |           | 1          |           |
| 11Ci Yard           |           |           |          |           | 1         |          |          |          |          |           | 1          | 1         |
| 11Cii Yard          |           | 1         |          |           |           |          |          |          |          | 1         | 2          |           |
| 11Cii/12 Yard       |           |           |          | 1         |           |          |          |          |          |           | 1          |           |
| 11Cii House, N wall |           |           |          |           | 1         |          | 1        |          |          |           | 2          | 1         |
| ? 11A//C(sec)       |           |           |          |           | 1         |          |          |          |          | 2         | 3          |           |
| ? 11//13(sec)       | 1         |           |          | 2         | 1         |          |          |          |          |           | 4          |           |
| ? 11C//13(sec)      |           | 1         |          |           | 1         |          |          |          |          |           | 2          | 2         |
| 11//? post -13(sec) | 1         | 1         |          |           | 4         |          |          |          | 2        | 6         | 14         | 4         |
| post - 11C(sec)     | 1         | 2         |          |           |           |          |          |          |          | 2         | 5          | 1         |
| ? 11C//13 Yard      |           |           | 1        |           |           |          |          |          |          |           | 1          | 1         |
| 12ii Yard           |           |           |          |           | 1         |          |          |          |          | 3         | 4          |           |
| 13Ai House          | 4         | 3         |          |           | 4         |          | 1        |          | 1        | 7         | 20         | 7         |
| 13Aii House         |           | 1         |          | 2         |           |          |          |          |          | 1         | 4          | 1         |
| 13A House           |           | 3         |          |           |           |          |          |          |          | 2         | 5          | 1         |
| 13B House           | 3         | 4         | 2        | 3         | 2         |          | 1        | 1        |          | 4         | 20         | 5         |
| 13Ai Yard           |           |           |          |           |           |          |          |          |          | 1         | 1          |           |
| 13 Yard             | 4         | 1         |          | 5         | 7         |          |          | 1        |          | 9         | 27         | 6         |
| ? 13/post-13 Yard   | 1         |           |          | 2         | 1         |          |          |          | 2        | 2         | 8          | 4         |
| ? 13 or post-13     |           | 1         |          | 1         | 1         |          |          |          |          | 1         | 4          | 1         |
| ? 13 (sec)          | 2         |           |          |           | 1         |          |          |          |          |           | 3          |           |
| <b>TOTAL</b>        | <b>19</b> | <b>20</b> | <b>4</b> | <b>18</b> | <b>34</b> | <b>3</b> | <b>6</b> | <b>2</b> | <b>5</b> | <b>45</b> | <b>156</b> | <b>43</b> |

IRON SCRAP FRAGMENTS  
 identified by I H Goodall

Table M4

| Layer No      | Phase           | No of fragments |
|---------------|-----------------|-----------------|
| (B158) = A224 | 3               | 1               |
| A221          | 8               | 2               |
| B48.4         | 8//?11C         | 1               |
| A(300) = 297  | 11A Yard        | 1               |
| A159          | 11A//11Ci House | 3               |
| A(120) = 108  | 13Ai House      | 1               |
| A115          | "               | 1               |
| A118          | "               | 30              |
| A119          | "               | 84              |
| A121          | "               | 1               |
| A95           | 13Aii House     | 7               |
| A100          | "               | 1               |
| A110          | 13A House       | 1               |
| A140          | "               | 7               |
| A62           | 13B House       | 1               |
| A132          | 13 Yard         | 1               |
| A155          | 13 Yard         | 2               |
| A89           | post-13         | 1               |

THE SLAG

by H Cleere and G E Oakley

Table M5 : Approximate weight in gm of iron-working slag, etc

| PHASE   | Bloomery tap slag      | Forging slag | Forging hearth bottom | Slag impregnated furnace lining | 'Clinker' |
|---|------------------------|--------------|-----------------------|---------------------------------|-----------|
| 2   | 40                     | 30           |                       |                                 |           |
| 3   | 165                    |              |                       |                                 |           |
| 5   | 5                      | 50           |                       |                                 |           |
| 6   |                        | 5            |                       |                                 |           |
| 8   | fragment<br>? fayalite | fragment     |                       |                                 |           |
| 10  |                        | 25           |                       |                                 |           |
| 6//11B (sec)                                    | 280                    |              |                       | 60                              |           |
| ?8//10 (sec)                                    |                        | 10           |                       |                                 |           |
| 8//?11C(sec)                                    |                        | 225          |                       |                                 |           |
| 11A House                                       | 5                      |              |                       | 160                             |           |
| 11A Yard  |                        | 20           |                       |                                 |           |
| 11B Yard  |                        | 5            |                       |                                 |           |
| pre-12 Yard                                     | 40                     |              |                       |                                 |           |
| 11Cii House,<br>N wall                          |                        | 180          |                       |                                 |           |
| ? 11A//C(sec)                                   |                        | 70           |                       |                                 |           |
| ? 11C (sec)                                     |                        | 95           |                       |                                 |           |
| ? 11//13(sec) )<br>W of wall A90 )<br>12ii Yard |                        | 170          | 7470                  |                                 | 10        |
| 12ii Yard                                       |                        | 25           |                       |                                 |           |
| 13Ai House                                      |                        | 675          |                       |                                 | 180       |
| 13Aii House                                     |                        | 60           |                       |                                 |           |
| 13A House                                       |                        | 5            |                       |                                 |           |
| 13B House                                       |                        | 75           |                       |                                 |           |
| <b>TOTAL</b>                                    | 535                    | 1480         | 7470                  | 220                             | 190       |

## THE NON-FERROUS SLAG

by J Bayley

Table M6:

| Layer No     | Phase         | SFSL No | Comment                             |
|--------------|---------------|---------|-------------------------------------|
| A224         | 3             | 155     |                                     |
|              |               | 156     | ? hearth lining                     |
|              |               | 157     |                                     |
| A369         | 6             | 152     |                                     |
| A222         | 7             | 140     |                                     |
|              |               | 144     | coloured red - Cu                   |
|              |               | 145-6   |                                     |
|              |               | 148     | metal blob - XRF mainly Ag, some Pb |
| A365         | 7             | 141-3   |                                     |
|              |               | 149     |                                     |
| A221         | 8             | 136-7   |                                     |
| A(331) = 307 | 10            | 125     |                                     |
|              |               | 130     |                                     |
| A119         | 13Ai<br>House | 4,5     |                                     |

(AML ref 790945)

## THE HONES

By G E Oakley with petrographical identification by D T Moore.

### Fig M8

#### NORWEGIAN RAGSTONE: H1-7

- H1 Small square section fragment worn on all 4 sides, most on 2 sides normal to bedding. A(300) = 297. Phase 11A Yard. SFST25.
- H2 Small pierced hone worn to D-shaped section. B(120.3) = 120.2. Phase ?IIA//C. SFST20.
- H3 Rhomboid section fragment worn on 4 sides near original end, diagonally on 2 sides near break. B(123.2) = 119. Phase ?IIA//C. SFST22.
- H4 (not ill) Fragment, no wear. A(245) = 205. Phase ?11//13. SFST17.
- H5 Complete hone, ?irregular mullion. Transverse wear all 4 sides. L: 151mm. A62. Phase 13B House. SFST3.
- H6 Square section fragment worn flat on 3 sides, 4th side convex with longitudinal point-sharpening groove. A unstrat. SFST2.
- H7 (not ill) Fragment. Probably Norwegian ragstone. Unstrat. SFST28.

#### OTHER HONES: H8-11

- H8 (not ill) Fragment worn on 2 adjacent faces. Thin-sectioned: fine-grained quartz-muscovite schist. Some affinities with the 'purple phyllite' type (Moore and Oakley in Williams 1979: 280. Unknown provenance. A265. Phase ?II//13. SFST24.
- H9 (not ill) Fragment worn on 2 opposing faces. Thin-sectioned: fine-grained quartz-muscovite schist. Unknown provenance. A119. Phase 13Ai House. SFST6.
- H10 Possibly complete hone worn most on narrow edges and flat face. Deep point-sharpening groove on other wide face. Thin-sectioned: ferruginous quartz grit with some greywacke affinities. Unknown provenance. L: 76mm. A1.1. Unstrat. SFST1.
- H11 (not ill) Fragment, uncertain hone. Slight wear on edge and 1 face. Thin-sectioned: ferruginous grit. Unknown provenance (B158) = A224. Phase 3. SFST26.

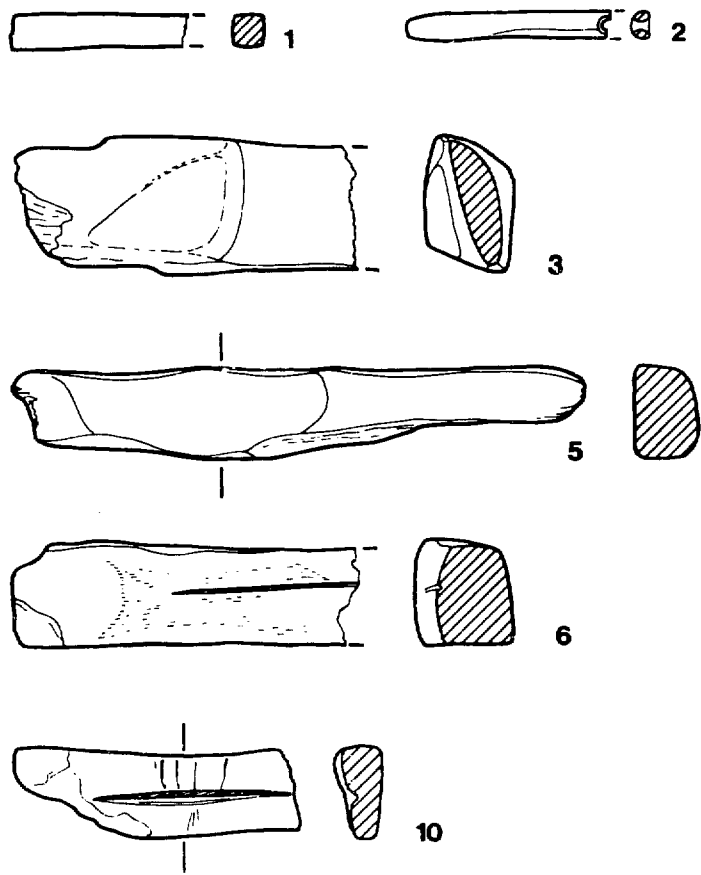


Fig M8



M8

## THE STONE OBJECTS

by G E Oakley

### Fig M9

- ST1 Mortar. Fragment of outer surface with rounded base of round section vertical lug, probably from bowl-shaped mortar with 4 lugs. Stone identified by Dr F W Anderson as shelly ferruginous oolitic limestone from the inferior Oolite underlying the northern half of Northampton. Dr Anderson had not seen a mortar of this material before. See discussion of shelly limestone mortars by Dunning (in Clarke and Carter 1977: 328-31). W of lug: 40mm. B7. Phase ?IIA//C. SFST29.
- ST2 Quern or millstone fragment with pattern of pecked grooves in flat face. Other side appears broken. Niedermendig basalt. Diam: c 520mm; Th: 20-30mm. A188.3. Phase 12ii Yard. SFST16.
- ST3 Net-sinker or weight? Rough cylindrical block with deeply grooved waist and crudely carved 'eyes' and 'nose'. Wt: 1280 gm; L: 140mm; Diam: 90-100mm. A(99) = 97. Phase IIA House. SFST23.



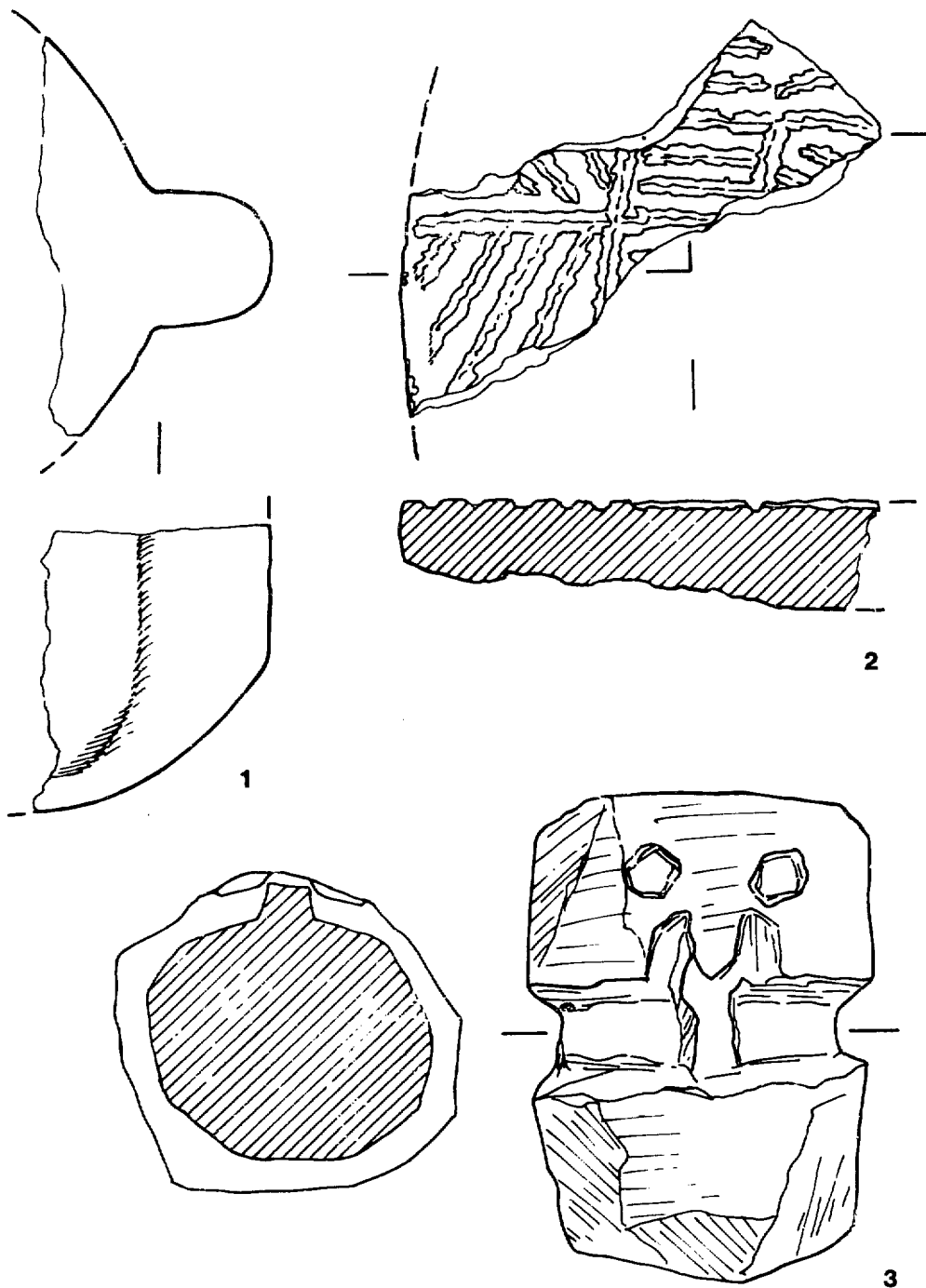


Fig M9



## THE SPINDLE WORLS

by G E Oakley

|     | Layer  | Phase       | Material | Diam mm     | Hole diam mm |
|-----|--------|-------------|----------|-------------|--------------|
| SW1 | B130.1 | ?8//10(sec) | Bone     | 38          | 8            |
| SW2 | A321.2 | 11A Yard    | Potsherd | <u>c</u> 50 | <u>c</u> 10  |

Both whorls are incomplete. SW1 is made from a cattle femoral head. The perforation widens towards the convex surface, part of which has been sliced off flat. SW2 is made from a potsherd of ceramic type T1-2 and could come from a contemporary vessel. Both types were represented on St Peters Street where 2 bone whorls were also Late Saxon or early medieval in date.

## THE WORKED FLINTS

by H M Bamford

### THE RAW MATERIAL

The flint used varies in colour and quality but is generally grey or grey-brown. The cortex, where present, is rolled, abraded and weathered, with varying degrees of iron staining. The source of this material was probably the gravel terraces of the River Nene nearby. (Bamford in Williams 1979).

8% of all the flints exhibit some degree of patination of the surface, but among the blades and blade segments, considered as a separate category, the incidence is higher (14%).

### CORES

Only five cores were found. They are listed according to the Hurst Fen classification (Clark JGD 1960).

| Class | Description                                | No | SF F1 No  |
|-------|--|----|-----------|
| A2    | Single platform, flaked part way round.    | 1  | 5         |
| B3    | Two platforms at right angles.             | 1  | 126       |
| C     | Three or more platforms.                   | 1  | 221       |
| D     | Keeled, flakes struck from two directions. | 2  | 7 and U/S |
|       | Calcined lump, probably core.              | 1  | U/S       |

### FLAKES AND BLADES

The bulk of the assemblage consists of 246 flakes, blades and fragments without retouch or with minimal retouch. These may be categorized as follows:-

|                                 |   |     |     |
|---------------------------------|---|-----|-----|
| Non-utilized flakes and waste   | - | 123 | 50% |
| Utilized flakes                 | - | 77  | 31% |
| Blades                          | - | 30  | 12% |
| Blade segments and fragments    | - | 14  | 6%  |
| Unidentified calcined fragments | - | 2   | 1%  |

35 (42%) of the non-utilized and waste flakes and 20 (26%) of the utilized flakes retain some cortex on the dorsal face, but these include only seven primary flakes, all of them waste.

Non-Utilized Flakes and Waste

Bivariate frequency distribution of dimensions of intact waste flakes.

|               |       | length in mm |   |    |    |    |    |    |    |    |    |    |    |    |       |
|---------------|-------|--------------|---|----|----|----|----|----|----|----|----|----|----|----|-------|
|               |       | 0            | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | TOTAL |
| Breadth in mm | 5     |              | 1 | 1  |    |    |    |    |    |    |    |    |    |    | 2     |
|               | 10    |              | 6 | 8  | 4  | 1  |    |    |    |    |    |    |    |    | 19    |
|               | 15    |              | 3 | 7  | 8  | 8  | 2  |    |    |    |    |    |    |    | 28    |
|               | 20    |              | 1 | 4  | 5  | 4  | 4  | 1  |    |    |    |    |    |    | 19    |
|               | 25    |              |   | 2  | 1  | 3  | 1  |    | 2  |    |    |    |    |    | 9     |
|               | 30    |              |   |    | 1  | 2  | 1  | 1  | 1  |    | 1  |    |    |    | 7     |
|               | 35    |              |   |    |    |    |    | 1  | 1  |    |    |    |    | 1  | 3     |
|               | 40    |              |   |    |    |    |    |    |    |    | 1  |    |    |    | 2     |
|               | 45    |              |   |    |    |    |    |    |    |    |    |    |    |    |       |
|               | TOTAL |              |   | 11 | 22 | 19 | 18 | 9  | 3  | 4  |    | 2  |    | 1  | 89    |

Forty-nine flakes with edge damage which could not certainly be attributed to purposeful use were included in this category.

As the table above illustrates, the majority of complete flakes are very small, 79% being below 25mm in length. Analysis of the proportions of complete flakes shows a wide range, but the greatest number (52%) have a breadth: length ratio between 2:5 and 4:5. Only four examples could be described as blade-like.

Utilized Flakes

Bivariate frequency distribution of dimensions of Intact Utilized Flakes.

|               |       | length in mm |   |    |    |    |    |    |    |    |    |    |    |    |       |
|---------------|-------|--------------|---|----|----|----|----|----|----|----|----|----|----|----|-------|
|               |       | 0            | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | TOTAL |
| Breadth in mm | 5     |              |   |    |    |    |    |    |    |    |    |    |    |    |       |
|               | 10    |              | 1 |    | 1  |    | 1  |    |    |    |    |    |    |    | 3     |
|               | 15    |              |   | 1  | 4  | 4  |    |    |    |    |    |    |    |    | 9     |
|               | 20    |              |   | 1  | 1  | 4  | 2  | 3  | 1  |    |    |    |    |    | 12    |
|               | 25    |              |   |    | 2  | 1  | 4  | 6  | 3  | 1  |    |    | 1  |    | 18    |
|               | 30    |              |   |    |    | 3  | 1  | 3  |    | 1  |    |    |    |    | 8     |
|               | 35    |              |   |    |    |    |    |    | 1  |    | 1  | 1  |    |    | 3     |
|               | 40    |              |   |    |    |    | 1  |    |    |    |    |    | 1  |    | 2     |
|               | 45    |              |   |    |    |    |    |    |    | 1  |    |    |    |    | 1     |
|               | TOTAL |              |   | 1  | 2  | 8  | 12 | 9  | 12 | 5  | 3  | 1  | 2  | 1  | 56    |

All flakes were examined macroscopically and at magnification 20X for signs of edge-wear, and 31% of the total show regular microflaking, abrasion or smoothing of the edge consistent with utilization.

The average size of complete flakes is small, although slightly larger than that of the waste flakes, 59% being above 25mm in length. Analysis of the breadth: length ratio of complete flakes shows them to have, as a group, a greater consistency of proportion than the waste flakes, 45% being within the ratios 3:5 - 4:5.

Blades and Blade Segments

| Bivariate Frequency Distribution of Dimensions of Blades |   |    |    |    |    |    |    |    |    |    |    |    |       |
|--|---|----|----|----|----|----|----|----|----|----|----|----|-------|
| length in mm   |   |    |    |    |    |    |    |    |    |    |    |    |       |
| 0  | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | TOTAL |
| 5  |   |    |    |    |    |    |    |    |    |    |    |    |       |
| 10   |   |    |    | 3  | 1  | 1  |    |    |    |    |    |    | 5     |
| 15   |   |    |    | 6  | 4  | 7  |    | 2  |    |    |    | 1  | 20    |
| 20   |   |    |    |    |    | 2  | 1  | 1  |    | 1  |    |    | 5     |
| 25   |   |    |    |    |    |    |    |    |    |    |    |    |       |
| 30   |   |    |    |    |    |    |    |    |    |    |    |    |       |
| 35   |   |    |    |    |    |    |    |    |    |    |    |    |       |
| 40   |   |    |    |    |    |    |    |    |    |    |    |    |       |
| TOTAL  |   |    |    | 9  | 5  | 9  | 1  | 3  |    | 1  |    | 1  | 30    |

Blades are here defined as parallel sided flakes with a breadth: length ratio of less than 2.5:5. 12 of the 30 blades are slightly truncated by the snapping, either deliberately or accidentally, of one tip. They are included with the intact specimens, since their overall proportions do not seem to have been affected significantly. In addition to these, 12 broken pieces appear to be segments or fragments of blades.

Most of the complete and slightly truncated examples are small in size, 25 (81%) being less than 35mm in length, and 14 (47%) being bladelets less than 30mm in length 8 (66%) of the blade segments appear to be from bladelets also. 22 (71%) of the blades and 7 (58%) of the blade segments show edge damage consistent with utilization.

WORKED IMPLEMENTS

Scrapers (8)

| Type                      | No | SF Fl No              |
|---------------------------|----|-----------------------|
| Short side/end            | 2  | 18, 74                |
| Small triangular side/end | 1  | 73                    |
| Short extended end        | 3  | 81, 113, ?34 (broken) |
| Small double end          | 1  | 226                   |
| Unclassified              | 1  | 257                   |

This is a very mixed group. SF Fl 18, 81, and 113 have invasive retouch, and SF Fl 113 is of the small variety sometimes referred to as a 'thumb' scraper. All are of neolithic type and could date from late within that period. SF Fl 74 and 226 are small with light retouch and, together with the somewhat unusual SF Fl 73, could be mesolithic. SF Fl 257 is worked on the broad platform edge of a thick flake.

Microliths (5) SF Fl 1, 25, 122, 169, 281.

These include two obliquely blunted points, one with inverse basal retouch (SF Fl 1 and 281), two narrow backed points (rods), one of which is broken (SF Fl 122 and 25), and a broad backed point, also broken (SF Fl 169).

|  |           |
|--|-----------|
| Petit Tranchet (1)                                 | SF Fl 40  |
| Leaf shaped point (1)<br>with inverse edge retouch | SF Fl 4   |
| Barbed and Tanged arrowhead (1)                    | SF Fl 202 |
| Flake with Miscellaneous retouch (1)               | SF Fl 64  |

## THE GLASS

by J Hunter (GL1-5, 10 and 14) and G E Oakley

### SAXON VESSELS

Tiny body fragments from Saxon vessels (not ill.; GL1-8)

- GL1 Translucent pale duck-egg blue with 2 narrow horizontal opaque white trails. From small beaker or jar. Not later than 700 AD and probably somewhat earlier, on decorative grounds. Th : c. 1mm B194. Phase 2. SFGL114.
- GL2 Dark olive green. From globular vessel with signs of lateral protrusion. First half of Saxon period. Th : 1-1.5mm. (B132.2) = A223. Phase 5. SFGL107.
- GL3 Pale yellowish green with self-coloured applied horizontal trail. Earlier rather than later Saxon period. (B132.2) = A223. Phase 5. SFGL108.
- GL4 Pale yellowish green. Indications of position of applied horizontal trail. Date as GL3. Th : c. 1.5mm. B177. Phase 2. SFGL 112.
- GL5 Pale yellowish green. Date probably as GL3 though too small to interpret accurately. Th : 1.8mm. (B132.2) = A223. Phase 5. SFGL 106.
- GL6 As GL5. (B100) = A224. Phase 3. SFGL78.
- GL7 As GL5. A223. Phase 5. SFGL 117.
- GL8 Pale yellowish green possible base fragment? Date as GL5. Th: 2.5mm. (B158) = A224. Phase 3. SFG111.

### LATE AND POST-MEDIEVAL VESSELS (Fig 20; GL9-17)

- GL9 Yellowish colourless body fragment from globular ?flask. Zone tooled opaque on exterior with ground and polished vertical facet. Diam : c. 160mm. A188.5. Phase 12ii Yard. SFGL77.
- GL10 Urinal Rim and neck fragments, apparently oval. Blue-green. Quality and unweathered condition of glass suggest a date after the late 16th century. (Cf. Oakley in Williams 1979 : GL 54-6). Diam : 90-100mm. A185.1. Phase? 11C//13 Yard. SFGL66B/69.
- GL11 (not ill) Urinal base fragment. Badly weathered. Possibly late medieval. A160. Phase 13 Yard. SFGL51.
- GL12 Beaker. Body fragment with chequered spiral trail. Colourless, weathered opaque. Last quarter of 16th or early 17th century. Cf. Oakley in Williams 1979 : GL76. A1.1. Unstrat. SFGL1.
- GL13 Base fragment of beaker with chequered spiral trail and milled applied footring. Date as GL12. A28-30. Phase post-13. SFGL120.

- GL14 Beaker. Body fragment, mould-blown vertical ribs merging with facets. Date as GL10. A185.1. Phase? 11C//13 yard. SFGL66A.
- GL15 (not ill). Pushed-in pedestal base of beaker. Weathered opaque. Later 17th C. Diam : 75mm. A56. Phase 13B House. SFGL122.
- GL16 (not ill.) Rod handle fragment with exterior ridge or trail. Weathered green. W : 7.5mm; Th : 6 mm. A132. Phase 13 Yard. SFGL28.
- GL17 (not ill.) Pushed-in footring base of bottle. Weathered green potash glass. Possibly late 15th to early 17th century. Diam : 75mm. A126. Phase 13 Yard. SFGL13.

THIN GREEN BOTTLES, 17th CENTURY (not ill : GL18-28)

- GL18-9 A91 Phase 13Ai House SFGL7,8.
- GL20 A142 Phase 13Ai House SFGL34.
- GL21 A132. Phase 13 Yard. SFGL30.
- GL22-3 A155. Phase 13 Yard. SFGL40,74.
- GL24 A194. Phase ? 13 Yard. SFGL67.
- GL25-7 A72. Phase ? 13/post - 13 Yard. SFGL52, 54-5.
- GL28 A(75) = 72. Phase ? 13/post - 13 Yard. SFGL58.

OLIVE GREEN BOTTLE FRAGMENTS, LATE 17th and 18th CENTURY (not ill: GL29-38)

- GL29 B106. Phase ?11A//C. Intrusive? SFGL97.
- GL30 A109. Phase 13B House. SFGL10.
- GL31 A (150) = 125. Phase 13B House. SFGL128.
- GL32 A132. Phase 13 Yard. SFGL23.
- GL33 Possibly late 17th century base and shoulder. A195. Phase ? 13 Yard. SFGL60.
- GL34 A117. Phase ? 13. SFGL104.
- GL35-6 A72. Phase ? 13/post - 13 Yard. SFGL53,56.
- GL37 A(79) = 72. Phase ? 13/post-13 Yard. SFGL127.
- GL38 Neck with ? folded rim. A63. Phase ? 13/post-13. SFGL136.

19th CENTURY OR LATER BOTTLE FRAGMENTS (not ill. GL39-59)

- GL39 Amber. (B69) = A223 (possibly intrusive from B106). Phase 5 (? 11A//C). In either case intrusive. SFGL99.
- GL40 Tiny strap - intrusive. A350. Phase 11A Yard. SFGL110.
- GL41-3.1 colourless, 2 blue medicine. A283. Phase 11Ci Yard. SFGL94,88,96.
- GL44 Blue, medicine. A200. Phase ? 11/13. SFGL64.
- GL45 A304. Phase ? 11//13. SFGL105.
- GL46-50.4 colourless, 1 amber. A265. Phase ? 11//13. SFGL79-81,102-3.
- GL51 A91. Phase 13Ai House. SFGL9.



GL52-9 5 Colourless, 1 brown, green and amber. A92. Phase 13Ai House. SFGL 21-2, 37-9, 41, 43, 49.

#### BEADS

GL60 dull opaque yellow, globular. Diam: 7.5mm; hole diam: 2.5mm.

A(161) = 155. Phase 13 Yard. SFGL71.

GL61 Opaque turquoise blue, globular. Diam: 9mm, hole diam: 2.7mm. Unstrat. SFGL119.

#### MEDIEVAL WINDOW GLASS (Fig 20: GL62-5)

GL62 Painted quarry fragment, fused edge grozed around curve. Part of ? quatrefoil with 3 lines to centre of each foil 14th century. A188. Phase 12ii. Yard SFGL118.

GL63 Painted corner of quarry, grozed edges. Floral design? 13th century. A90. Phase 13Ai Yard. SFGL72.

GL64 Unpainted badly weathered fragment. Th: 3.5 - 5.5mm. A(161) = 155. Phase 13 Yard. SFGL129.

GL65 Painted fragment, 3 or 4 parallel black lines. Weathered. Th: 2.5 - 4.5mm. B102. Phase post - 13. SFGL91.

#### THIN DARK GREEN WINDOW GLASS, 16th or 17th CENTURY (not ill: GL66-74).

GL66 A116. Phase post - 11C. SFGL24.

GL67 A92. Phase 13Ai House. SFGL20.

GL68 A56. Phase 13B House. SFGL122.

GL69 A(84) = 81. Phase 13 Yard. SFGL12.

GL70 A132. Phase 13 Yard. SFGL29.

GL71 One grozed edge. A88. Phase 13/post - 13 yard. SFGL31/32.

GL72-4 A72. Phase ? 13/post - 13 yard. SFGL5, 54B, 125.

#### THIN PALE GREEN WINDOW GLASS, LATE 17th or 18th CENTURY (not ill: GL75-6).

GL75 A188.5. Phase 12ii Yard. Intrusive. SFGL76.

GL76 A75. Phase ? 13/post - 13 Yard. SFGL57.

#### 19th CENTURY AND LATER WINDOW GLASS, INTRUSIVE (not ill: GL77-87; colourless except where stated).

GL77 B106. Phase ? 11A//C. SFGL98.

GL78 Fused edge of pane. A(227) = 157. Phase 12ii Yard. SFGL75.

GL79 B122.1. Phase ? 11C//13. SFGL133.

GL80-83 A92. Phase 13Ai House. SFGL42, 47-8, 50.

GL84 A(146) = 145. Phase 13 Yard. SFGL35.

GL85 A151. Phase 13 Yard. SFGL36.

GL86 A75. Phase ? 13/post-13 Yard. SFGL126.

GL87 Turquoise, matt surfaces. A92. Phase 13Ai House.

### THE CLAY PIPES

by W R G Moore

(Details of Phase post - 13 remain in site archive).

#### 17th C GROUPS

CP1 11 bowls, Oswald (1975) types G6, G17(8), G18(2) and 29 wide-bore stems (7/64 in or more); group dated c. 1660-80. A195. Phase ? 13 Yard.

Similar group from Phase post-13.

#### MINOR 17th/EARLY 18th C FINDS

CP2-7 Up to 6 17th or early 18th C wide-bore stem fragments from each context.

CP2 A(120) = 108. Phase 13Ai House.

CP3 A81. Phase 13 Yard.

CP4-6 A192.2, 194, 196. Phase ? 13 Yard.

CP7 A75. Phase ? 13/post - 13 Yard.

Bowl of type G17 and stem fragments from Phase post-13. Unstrat: 2 bowls each of types G6, 9, 17, 19.

#### 19th C GROUPS

CP8 Plain bowl with B/H in relief on the spur (Fig M10); plain bowl with J/C on the spur, my Northants type 32, probably made by James Chick (1), Northampton, 1837-74 (Moore 1979); another plain bowl and 22 narrow-bore stem fragments (5/64 in or less): group dates from c. 1820-70. (A168).

Phase post-13.

Two small groups each with bowl dated c. 1850 - 1920 from Phase post - 13.

#### MINOR 18th/19th C Finds

CP9-13 Up to 6 18th or 19th C narrow-bore stem fragments from each context, plus a few wide-bore pieces.

CP9-10 A91,92. Phase 13Ai House.

CP11 A62. Phase 13B House.

CP12 A232. Phase ? 11//13.

CP13 A197.3. Phase ? 13.

CP14 Narrow and wide-bore stems and bowl of type G17 (residual).

A72. Phase ? 13/post - 13 Yard.

Unstrat: 2 bowls with B/H on spur c. 1820 - 70 as in CP8; 18th C bowl.

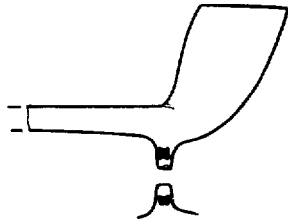


Fig M10

## TEXTILES

by E Crowfoot

T1 Fig M11. Nine small fragments, the largest 32 x 12mm (folded), of cream-coloured textile, spinning Z,Z, one system finer and more variable than the other, tabby weave. No selvedge preserved. Counts 14-16/12-13 (taken as 6+ on 5mm) per 10mm. Some of the fragments are folded but there does not seem to be any identifiable sewing; in places layers are stuck together by soil deposits (? iron compound).

Fibres examined by H M Appleyard, FTI are described as linen, quite well preserved, undyed.

A188.5 Phase 12ii Yard. SFOrg 1 and 2.

T2 Patch of textile 6 x 4mm on back of belt fitting Cu6 near one rivet. Warps S spun, Z ply, wefts S spun; the wefts lie 4 on 4mm and their broken ends protrude through the ply of the warp thread, ie. this is probably a tablet weave, very commonly used for belts and straps. Fibres deteriorated, possibly wool?

A(227) = 157. Phase 12ii Yard. SFCu78.

T3 Nearly replaced fabric remains underneath round rivet of belt fitting Cu8, some threads in both systems Z spun, S ply, some possibly Z ply. The use of plyed threads suggests a woven strap or belt (see T2). B(21) = 20. Phase ?11A//C. SFCu27.

T4 Traces of threads under rivets of belt fitting Cu9, probably Z spun, presumably from belt or strap. A(161) = 155. Phase 13 Yard. SFCu55.

T5 Fragment of cloth pierced by rivet Cu10. Z,Z spun tabby weave, one system 6 threads per 5mm. This fabric suggests a backing or lining to a strap or leather harness rather than a braid or belt. A119. Phase 13Ai House. SFCu26.

## WORKED BONE

by G E Oakley and A K G Jones (WB15) with bone identifications by M Harman and D Branwell.

Fig 21

WB1 ? Tool. Pig humerus : proximal end hollowed out, shaft broken leaving 2 points.

L : 63mm.(B158) = A224. Phase 3. SFWB24.

WB2 Sheep tibia, proximal end broken off, pierced through joint surface in distal end. (B158) = A224. Phase 3. SFWB32.

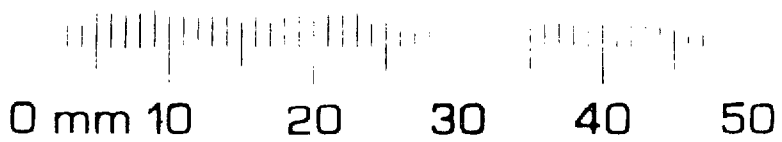


Fig III

- WB3 Sheep tibia, distal end and most of shaft, pierced through 1 side of shaft only near distal end. Exactly similar middle Saxon object from St Peter's Street (Oakley in Williams 1979 : WB105). (B132.1) = A223. Phase 5. SFWB31.
- WB4 Sawn antler tine, probably red deer. See discussion under WB5. (B132.1) = A223. Phase 5. SFWB30.
- WB5 Worked antler surface fragment. Plano-convex section with square-cut edges. Unfinished possible comb connecting plate (cf. WB8) or knife handle scale. Together with WB4 and other unworked antler fragments this piece suggests a Late Saxon antler-working industry as on St Peter's Street (Oakley in Williams 1979 : 308). L = 43 + mm; W : 13mm. (B132) = A223. Phase 5. SFWB21.
- WB6 ? Antler single-sided composite comb tooth segment : Late Saxon. Cf. Oakley in Williams 1979 : WB34-45. A221. Phase 8. SFWB35.
- WB7 As WB6. Fragment of end segment with projecting knob. A221. Phase 8. SFWB36.
- WB8 Antler single-sided composite comb connecting plate decorated with pairs of incised lines : Late Saxon. A(331) = 307. Phase 10. SFWB28.
- WB9 Pierced pig fibula pin fragment : Late Saxon. Cf. Oakley in Williams 1979 : WB47-51. A(245) = 205. Phase ? 11//13. SFWB26.
- WB10 As WB9 with shaft notched along one side. This is unusual. A176.3. Phase post-13. SFWB38.
- WB11 ? Weaving tool made from cattle or horse long bone. Middle or Late Saxon. Cf. Oakley in Williams 1979 : 311, WB53-6. A221. Phase 8. SFWB22.
- WB12 As WB11 but Late Saxon or early medieval. Hollow facets both sides. A(300) = 297. Phase 11A Yard. SFWB16.
- WB13 As WB12, spatulate tip fragment with traces of incised line and dot decoration, burnt. A280. Phase 11Cii House, N wall. SFWB27.
- WB14 Unfinished ? tool cut from cattle metatarsal shaft. A(331) = 307. Phase 10. SFWB29.
- WB15 Roller or guide? Salmonid vertebral centrum (either salmon or trout). All processes carefully removed and ridges between recesses anchoring the haemal and neural processes reduced to provide a smooth surfaced, evenly waisted pulley-like object. The bone surface has a polished appearance suggesting that something ran over or around it. The large irregular hole bored along the axis makes it unlikely that the bone rotated on an axle. However, a spindle could have been wedged in the hole allowing both to rotate together or the bone may have acted as a guide, perhaps to assist the passage of yarn in textile manufacture.

Other fish vertebrae have been converted into beads (eg. Rogerson 1976 : Fig 51, No 14; Platt and Coleman-Smith 1975 : No 1920) but a bead is unlikely to have received such thorough remodelling as this. A221. Phase 8. SFWB37.

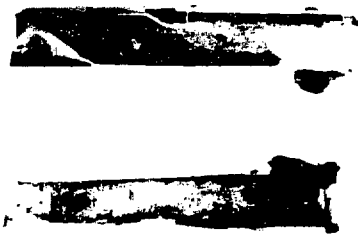


Fig M12 X-radiograph of WB 18

- WB16 Finger ring carved from ? large mammal long bone, grain across diameter. Similar rings from Northampton Castle (Central museum, Northampton : C201, D213/1961). A(331) = 307. Phase 10. SFWB25.
- WB17 Decorated fragment of ? split large mammal rib incised with compass-cut concentric circles and central dot in offset pattern. Late Saxon. Cf. Oakley in Williams 1979 : WB83-91. Possibly casket inlay. A278. Phase 11A//11Ci House. SFWB18.
- WB18 See Fig. M12 for an X-radiograph of the 2 halves of this object. Polished bone tube, probably small goose ulna shaft, with 2 opposing slots cut in it : one extending the whole of the surviving length, the other about two thirds. Partly lined with copper alloy sheet cut to clear the slots. Bone tube is broken across a small hole with metal corrosion which may have held a tiny rivet to anchor the lining. The tube has an external recess cut around its unbroken end retaining part of a copper alloy sleeve or collar. Near this end a piece of (? double thickness) sheet projecting through the long slot seems attached to remnants of an inner sleeve which could perhaps have reciprocated within the lined tube. Purpose unknown. A188.5. Phase 12ii Yard. SFWB11.
- WB19 Sheep tibia shaft, cut fragment. Grooves work inside both ends as if by cord passing through. B105.3. Phase ? 8//11B. SFWB23.
- WB20 Polished tube, small goose ulna shaft, 2 incised lines around, broken along one. A188.5. Phase 12ii Yard. SFWB12.
- WB21 Sheep femur, proximal end and part of shaft with deep notch cut around it. A(227) = 157. Phase 12ii Yard. SFWB10.
- WB22 Hand-carved spoon or spatula. Handle is hollowed as well as bowl. Possibly medieval or later. A unstrat. SFWB4.
- WB23 Lathe-turned bead or disc with central hole, perimeter rounded. Diam. : 13.5mm; hole diam : 3.2mm; Th : 3.5 - 4.5 mm. A92. Phase 13 Ai House. SFWB6.
- WB24 Lathe-turned finial, possibly from bobbin, with screw thread on end. A(13) = 6. Phase post - 13. SFWB3.
- WB25 Carved pipe-stopper made from cattle or horse long bone. Clenched fist at top has recessed locations at side for suspension loop and traces of iron corrosion. 18th or 19th C. Unstrat. SFWB2.
- WB26 Nail brush with 2 piece back of cattle or horse bone held together by 4 copper alloy rivets, the bristles anchored in 7 concealed slots by copper alloy wire. 19th C. L : 95.5 mm; W : 28.5mm. A168/169. Phase post - 13. SFWB33.
- WB27 Toothbrush. Cattle or horse bone. Broken head shows individually drilled holes for bristles in rows of 4 were connected by holes along base of each column, perhaps for wire anchoring as in WB26. 19th C. A202. Phase post - 13. SFWB8.



**WOOD AND CHARCOAL**

by G C Morgan and G E Oakley

Table M7 : No of pieces of charcoal and wood of different sizes

| PHASE | Layer No.    | Layer Type      | MATURE (60mm+) |     | BRANCHES OR SAPLINGS (15 to 60mm)* |     |             |           |       |       |        | TWIGS (up to 10mm)* |        |           |        |                     |
|-------|--------------|-----------------|----------------|-----|------------------------------------|-----|-------------|-----------|-------|-------|--------|---------------------|--------|-----------|--------|---------------------|
|       |              |                 | OAK            | ASH | Ash                                | Elm | Field Maple | Haw-thorn | Hazel | Oak   | Poplar | Ash                 | El-der | Haw-thorn | Haz-el | Sloe or Black-thorn |
| 2     | B165         | Timber slot 'C' | 2              |     |                                    |     |             |           |       |       |        |                     |        |           |        |                     |
|       | B167         | PH in TS 'C'    | 1              |     |                                    |     |             |           |       |       |        |                     |        |           |        |                     |
|       | B178         | PH              |                |     | 3                                  |     |             |           | 2     |       |        |                     |        |           |        |                     |
|       | B179         | PH              | 2              |     |                                    |     |             |           |       |       |        |                     |        | 1         | 1      |                     |
|       | B184         | ???PH           |                |     |                                    |     |             |           |       |       |        | 1                   |        |           |        |                     |
|       | B186.1       | PH              | 1              |     |                                    |     |             |           |       | 1     |        | 2                   |        |           | 1      |                     |
|       | -3           |                 |                |     |                                    |     |             |           |       |       |        |                     |        |           |        |                     |
|       | B187         | ? PH            |                |     |                                    |     |             |           |       |       |        |                     | 1      |           |        | 1                   |
|       | B193         | PH              |                |     |                                    |     |             |           |       |       |        |                     |        |           | 1      |                     |
|       | B196         | PH              |                |     |                                    |     |             |           | frag  | 1     | 1      |                     |        |           |        |                     |
|       | B197         | ???PH           |                |     | 1                                  |     |             |           | 3     | 3     | 3      | 1                   |        | 1         | 2      | 3                   |
|       | B198         | ?PH             | 1              |     |                                    |     | 1           |           | 1     |       |        |                     |        |           |        |                     |
|       | B(232) = 223 | PH in TS 'A'    |                |     |                                    |     |             |           |       |       | 1      |                     |        |           |        | 1                   |
|       | B234         | ?PH             | 1              |     |                                    |     |             |           |       |       |        |                     |        |           |        |                     |
|       | B236         | Timber slot 'A' | 2              | 1   | 2                                  |     |             |           | 2     | frag  |        |                     |        |           |        | 1                   |
| 4     | A376         | ?Timber slot    | 1              |     |                                    |     | 1           |           |       |       | 1      |                     |        |           |        |                     |
|       | A381         | ?SH             |                |     |                                    |     |             |           | 1     | frag  |        |                     |        |           |        |                     |
|       | A382         | ?SH             |                |     |                                    |     |             |           |       | 1     |        |                     |        |           |        |                     |
|       | A383         | ?SH             |                |     |                                    |     |             |           |       | frag  |        |                     |        |           |        |                     |
|       | A384         | ?SH             |                |     |                                    |     |             |           |       | 1     |        |                     |        |           |        |                     |
|       | A385         | ?SH             | 1              |     |                                    |     |             |           |       |       |        |                     |        |           |        |                     |
|       | A386         | ?SH             |                |     |                                    |     |             |           |       | 1     |        |                     |        |           |        |                     |
|       | A387         | ?SH             |                |     |                                    |     |             |           |       | frag  |        |                     |        |           |        |                     |
|       | A388         | ?SH             |                |     |                                    |     |             |           |       | 1     |        |                     |        |           |        |                     |
|       | A389         | ?SH             |                |     |                                    |     |             |           |       | frag  |        |                     |        |           |        |                     |
|       | A390         | ?SH             | 1              |     |                                    |     |             |           |       |       |        |                     |        |           |        |                     |
|       | A391         | ?SH             |                |     |                                    |     |             |           |       | frag  |        |                     |        |           |        |                     |
|       | A392         | ?SH             |                |     |                                    |     |             |           |       | frag  |        |                     |        |           |        |                     |
|       | A393         | ?SH             |                |     |                                    |     |             |           |       | 1     |        |                     |        |           |        |                     |
|       | A394         | ?SH             | 1              |     | 1                                  |     |             |           |       |       |        |                     |        |           |        |                     |
|       | A395         | ?SH             |                |     |                                    |     |             |           |       | frag  |        |                     |        |           | 1      | 1                   |
|       | A397         | ?SH             |                |     |                                    |     |             |           |       | frag  |        |                     |        |           |        |                     |
|       | A398         | ?SH             |                |     |                                    |     |             |           |       | frag  |        |                     |        |           |        |                     |
|       | A400         | ?SH             |                |     |                                    |     |             |           |       | frag  |        |                     |        |           |        |                     |
| 5     | (B69) =A223  | Layer           |                |     |                                    | ?   |             |           |       | frags |        |                     |        |           |        |                     |
| 6     | A366         | Layer           | 1              |     |                                    |     |             |           |       |       |        |                     |        |           | 1      |                     |
| 7     | A222         | Layer           | 2              |     | 1                                  |     | 1           | 1         | 2+    | 1     |        |                     |        | 1         | 1      |                     |
|       | A365         | Layer           | 2              |     | 1                                  |     |             |           | 1     |       |        |                     |        |           | 1      |                     |
| 8     | A221         | Layer           |                |     |                                    |     |             |           | 2     |       |        |                     |        |           |        |                     |

\* NB diameter estimated for charcoal : wood originally 15% larger.

## THE COAL

by G E Oakley

Twelve pieces of coal were found in the Phase 13A-B House which suggests that coal was used as fuel in the forge.

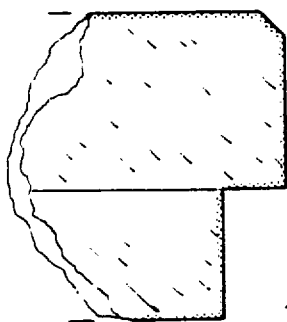
| Layer      | Phase        | No of pieces<br>of coal | SF Nos     |
|------------|--------------|-------------------------|------------|
| A118       | 13Ai House   | 8                       | CH62,69-71 |
| A119       | 13Ai House   | 1                       | --         |
| A111       | 13A House    | 1                       | SS5        |
| A95        | 13Aii House  | 1                       | with FE104 |
| A62        | 13B House    | 1                       | CH1        |
| A(245)=205 | ?11//13(sec) | 1                       | CH64       |

## ARCHITECTURAL FRAGMENTS

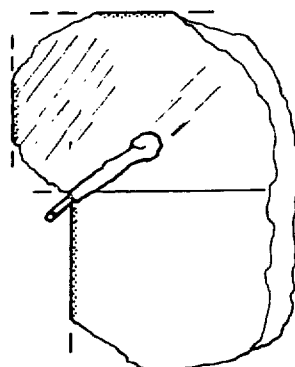
by G E Oakley

### Fig M13

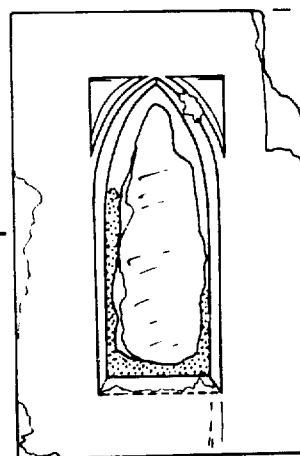
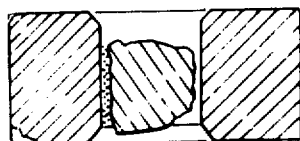
- AF1 Rebated door jamb with chamfer on outside corner. Marking-out line for rebate across roughly chiselled top. Exposed faces burnt. Northamptonshire sands 'ironstone'. W : 333mm; W less rebate : 192mm; D of rebate : 66mm; H = c. 206mm. A142. Phase 13Ai House. SFST11.
- AF2 Rebated door jamb with iron hinge pivot set in lead wrapping recessed into top of stone so that pivot in angle of rebate projects some 30mm from corner. Marking-out line for rebate. Faces burnt and corners broken. Northamptonshire sands 'ironstone'. W. less rebate : 192mm; D of rebate : 66mm; H : c. 260mm. A142. Phase 13Ai House. SFST7.
- AF3 (not ill). Rebated door jamb, broken, with chamfer on outside corner. Exposed faces with fine diagonal chiselling burnt, top and bottom tooled roughly and with traces of mortar. Northamptonshire sands 'ironstone'. W. less rebate : 194mm; D of rebate : 65mm; H : 180mm. A142. Phase 13Ai House. SFST15.
- AF4 (not ill). Outer wall facing stone from rebated door jamb with chamfered outside corner. Burnt on exposed faces and for width of ? rebate on back. Oolitic sandy limestone. W : 192mm; L : 360 + mm; W of ? rebate (burnt area) : 80 mm; H : 212mm. A142. Phase 13Ai House. SFST14.
- AF5 (not ill). Voussoir. 2 fine-chiselled faces, front and bottom, burnt. Back roughly chiselled and slightly burnt. Oolitic sandy limestone with iron staining. Front face W : 190 - 225mm; H : 225mm. Back W = 175mm at bottom. Th: 192mm. A142. Phase 13Ai House. SFST12/13.
- AF6 (not ill). Broken facing stone with 2 chamfered corners and some burning on 1 face. Northamptonshire sands 'ironstone'. L over chamfered corners : 258mm; H : 208mm. A91. Phase 13Ai House. SFST9.
- AF7 (not ill). Roughly tooled stone with 1 angled edge. Northamptonshire sands 'ironstone'. L : 320-328mm; W : 315mm; Th: 125mm. A91. Phase 13Ai House. SFST8.



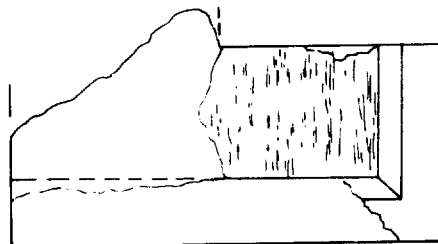
1



2



9



8

----- burnt surface      ..... daub

Fig M13



AF8 Stone with recessed surface chiselled flat, edged on 2 adjacent sides by quarter round and chamfered 'frame'. Partly burnt. Oolitic sandy limestone.  
L : 465mm, A91.2 Phase 13B House. SFST5.

AF9 Rectangular block with lancet window cut through centre. Edges chamfered and recessed spandrels on face. No glazing slot. Traces of buff plaster in 1 spandrel. Oolitic sandy limestone. Aperture blocked by fragment of worked shelly limestone and daub or plaster.  
H : 483mm. Unstrat. SFST33.

#### THE CERAMIC ROOF TILES AND BRICKS

by John H and Frances Williams

The tile fragments were sorted into fabric groups in hand sample with the aid of a binocular microscope (x20). Counts were taken for each fabric in each context under the following headings: Nib/Peg/Ridge/Unclassified (precise form not determined). Peg and nib tiles were conclusively identified only when the diagnostic features of the peg holes were present. Ridge tiles were isolated on the basis of form or elaborate glazing.

The fabrics seemed to fall into the 5 broad fabric groups described for the St Peter's Street site (Williams 1979: 322-5). It was noted in that report that Fabrics 1 to 3 were closely related, all possibly being of Potterspury



STONE ROOF TILES

by G E Oakley

Table M9:

| Rock Group     | 1  | 2    |    |    | 3 |    |   | 4    |      |    | 5  | 6  | TOTAL |
|----------------|----|------|----|----|---|----|---|------|------|----|----|----|-------|
| Stone Type     | 1  | 9    | 11 | 15 | 3 | 6  | 7 | 5    | 8    | 13 | 10 | 12 |       |
| Phase          |    |      |    |    |   |    |   |      |      |    |    |    |       |
| 7              |    |      |    |    |   |    |   | ?1   | ?1   |    |    |    | ?2    |
| 8              |    | ?1   |    |    |   |    |   | ?3   | ?1   |    |    |    | ?7    |
| 12ii Yard      |    |      |    | 1  |   |    |   |      |      | 2  |    |    | 3     |
| ?11//13 (sec)  |    |      |    |    |   | 2* |   | 3*   | 1    |    | 1  |    | 7     |
| 13Ai House     |    |      | 1  |    |   |    |   |      |      |    |    |    | 1     |
| 13 Yard        |    | 1    |    |    |   |    |   |      |      |    |    |    | 1     |
| ?13/post-13 Yd |    |      |    |    |   |    |   |      |      |    |    | 2  | 2     |
| post-13        |    |      |    |    | 1 |    |   |      |      |    |    | 1  | 2     |
| unstrat        | 1* |      |    |    |   |    | 1 |      |      |    |    |    | 2     |
| Total          | 1  | 1+?1 | 1  | 1  | 1 | 2  | 1 | 3+?4 | 1+?2 | 2  | 1  | 3  | 18+?7 |
| Group Total    | 1  | 3+?1 |    |    | 4 |    |   | 6+?6 |      |    | 1  | 3  |       |

\*includes complete tile

THE MAMMALIAN BONES

by M Harman

All the bones were examined. The unstratified bones were not listed but anything unusual amongst them was noted. The condition of the bones was good; though most, especially those of the larger animals, were fragmentary, the pieces were well preserved, and the majority of the fragments recovered were identifiable.

All the pieces identified were listed and complete bones or complete articular surfaces were measured. The state of the dentition and of epiphyseal fusion was also listed, and from these the age of the animals at death was assessed, using the criteria published by Silver (1963: 250-68). Whole vertebrae and vertebral bodies of large and small size (approximately cattle and sheep size) and fragments of large and small ribs were counted and listed, but are not included in the total number of bones, nor are the loose teeth. It was assumed that in most cases the bones were domestic refuse, and there were no deposits which stood out as being exceptionally different and likely to be industrial waste.

The bones from the different phases were tabulated (Tables M11-20) and the total

number of bones from each species and the minimum number of cattle, sheep and pigs present calculated, the latter figures being derived from the maximum number of a particular bone from the right or left side of the relevant species, with additions where necessary to allow for differences in age. Table M10 shows the summary of these figures. Table M21 shows the ages of the animals at death, listed within phases. The tooth eruption and wear sequences of the cattle and sheep were noted according to the Barley sequence (Ewbank *et al* 1964: 423-6) but the ages of these and of the pigs are based on Silver's figures, derived from old writers. The information from the post cranial bones is consistent with that of the jaws.

There were few pathological bones: in Phase 3 a fragment of a sheep metatarsal (in A 224) shows a bowing out of the shaft which could be due to a fracture or to some infection of the periosteum, in Phase ?8//11B a pig mandible (from B105) has a hollowed and pitted area around the last two deciduous molars, associated with calcification on both the interior and exterior surfaces of the horizontal ramus, and this could be the result of a fracture of the jaw, and a pig had also suffered in Phase ?11C//13 when a femur shaft (from B122.1) shows evidence of a total fracture of the shaft which has malunited so that the distal end of the shaft is displaced posteriorly almost by the diameter of the shaft.

Table M10: Total numbers of bones from, and minimum numbers of cattle, sheep and pigs from each major phase of the site, with percentages:

| Phase  | Total no |     |    | as a       |    |    | Minimum no. |    |    | as a       |    |    |
|--------|----------|-----|----|------------|----|----|-------------|----|----|------------|----|----|
|        | of bones |     |    | percentage |    |    | of animals  |    |    | percentage |    |    |
|        | C        | S   | P  | C          | S  | P  | C           | S  | P  | C          | S  | P  |
| 2      | 75       | 62  | 55 | 39         | 33 | 28 | 8           | 11 | 10 | 27         | 38 | 35 |
| 3      | 118      | 114 | 75 | 39         | 37 | 24 | 11          | 8  | 6  | 44         | 32 | 24 |
| 4,5,6  | 124      | 111 | 47 | 44         | 39 | 17 | 10          | 14 | 7  | 32         | 45 | 23 |
| 7      | 16       | 11  | 8  | 46         | 31 | 23 | 2           | 2  | 2  | 33         | 33 | 33 |
| 8,9,10 | 110      | 63  | 50 | 49         | 28 | 23 | 11          | 9  | 5  | 44         | 36 | 20 |
| 11A    | 193      | 484 | 80 | 25         | 64 | 11 | 13          | 29 | 10 | 25         | 55 | 20 |
| 11B    | 19       | 33  | 7  | 32         | 56 | 12 | 4           | 11 | 1  | 25         | 69 | 6  |
| 11C    | 116      | 241 | 42 | 29         | 60 | 11 | 10          | 20 | 8  | 26         | 53 | 21 |
| 12     | 71       | 104 | 15 | 37         | 55 | 8  | 9           | 11 | 4  | 37         | 46 | 17 |
| 13     | 96       | 163 | 34 | 33         | 56 | 11 | 9           | 13 | 5  | 33         | 48 | 19 |



Table M11: Number of bones from different species in Phase 2

|                       | Cattle |     | Sheep |     | Pig |     |   |   |
|-----------------------|--------|-----|-------|-----|-----|-----|---|---|
|                       | L      | R   | L     | R   | L   | R   |   |   |
| Skull                 | 4      | 3   |       | 1   | 2   | 1   | 2 |   |
| Maxilla               | 2      | 3   |       |     |     | 5   | 1 |   |
| Mandible              | 5      | 6   | 8     |     | 7   | 5   | 6 |   |
| Scapula               | 3      | 2   | 4     | 3   | 1   | 4   | 2 | 3 |
| Humerus               | 2      | 3   | 1     |     | 4   | 3   |   | 1 |
| Radius                | 2      | 1   | 1     | 2   | 2   | 2   |   |   |
| Metacarpal            | 1      | 3   | 1     | 1   | 1   |     | 2 |   |
| Pelvis                | 3      | 2   | 4     |     |     | 2   |   | 2 |
| Femur                 | 1      | 2   |       | 4   | 1   |     | 2 | 2 |
| Tibia                 | 2      | 1   | 3     | 1   | 3   | 2   |   |   |
| Astragalus            |        |     |       |     |     |     |   |   |
| Calcaneum             |        | 2   |       |     | 1   |     |   | 1 |
| Metatarsal            |        | 1   | 3     | 2   | 1   |     | 3 |   |
| Phalanx 1             | 3      | 1   |       |     |     | 2   |   | 2 |
| 2                     | 1      |     |       |     |     |     |   |   |
| 3                     |        | 2   |       |     |     |     |   |   |
| Total no of bones     |        | 75  |       | 62  |     | 55  |   |   |
|                       |        | 39% |       | 33% |     | 28% |   |   |
| Minimum no of animals |        | 8   |       | 11  |     | 10  |   |   |
|                       |        | 27% |       | 38% |     | 35% |   |   |

+ Horse: scapula: R, humerus: R, radius: L, pelvis: L, femur: L, 2R, astragalus: L, R

Cat: humerus: L.

Table M12: Number of bones from different species in Phase 3

|                       | Cattle |     | Sheep |     | Pig |     |   |   |
|-----------------------|--------|-----|-------|-----|-----|-----|---|---|
|                       | L      | R   | L     | R   | L   | R   |   |   |
| Skull                 | 3      | 1   | 1     | 1   | 3   | 5   | 2 |   |
| Maxilla               |        | 1   | 2     |     | 1   | 1   | 5 |   |
| Mandible              | 5      | 6   | 5     |     | 3   | 3   | 2 |   |
| Scapula               | 2      | 4   | 6     | 1   | 3   | 5   | 2 | 6 |
| Humerus               | 2      | 5   | 2     |     | 5   | 3   |   | 4 |
| Radius                | 4      | 4   | 8     | 1   | 7   |     |   | 1 |
| Metacarpal            | 1      | 3   | 1     | 3   | 3   |     | 5 |   |
| Pelvis                | 4      | 4   | 3     |     | 7   |     |   | 4 |
| Femur                 | 5      | 3   |       | 8   | 1   | 2   | 2 | 4 |
| Tibia                 | 6      | 5   | 7     | 7   | 6   | 2   |   | 3 |
| Astragalus            | 2      | 1   |       |     |     |     |   |   |
| Calcaneum             | 1      |     | 1     |     | 1   | 2   |   |   |
| Metatarsal            | 5      | 2   | 3     | 7   | 6   |     | 8 |   |
| Phalanx 1             | 7      | 2   |       |     |     | 3   |   | 1 |
| 2                     |        | 3   | 1     |     |     |     |   |   |
| 3                     | 5      | 1   |       |     |     |     |   |   |
| Total no of bones     |        | 118 |       | 114 |     | 75  |   |   |
|                       |        | 39% |       | 37% |     | 24% |   |   |
| Minimum no of animals |        | 11  |       | 8   |     | 6   |   |   |
|                       |        | 44% |       | 32% |     | 24% |   |   |

+ Horse: scapula: 3L, humerus: R, radius: R, pelvis: L, R, tibia: L, astragalus: L, calcaneum: L, phalanx 1: 1 phalanx 2: 1, phalanx 3: 1

Red deer: antler fragment

Table M13: Number of bones from different species in Phases 4, 5 and 6

|                       | Cattle |     |    | Sheep |   |     | Pig |   |  |
|-----------------------|--------|-----|----|-------|---|-----|-----|---|--|
|                       | L      | R   | L  | R     | L | R   |     |   |  |
| Skull                 | 2      | 3   |    | 2     | 1 |     |     | 2 |  |
| Maxilla               |        | 1   |    |       |   | 2   |     |   |  |
| Mandible              | 1      | 4   |    | 2     | 2 |     |     | 2 |  |
| Scapula               | 4      | 4   | 5  | 2     | 7 | 1   | 1   | 4 |  |
| Humerus               | 6      | 5   | 6  | 1     | 5 | 5   |     |   |  |
| Radius                | 7      | 7   | 3  | 1     | 9 | 2   | 1   | 5 |  |
| Metacarpal            |        | 4   | 3  | 8     | 3 |     | 2   |   |  |
| Pelvis                | 3      | 5   | 5  | 4     | 4 |     |     | 2 |  |
| Femur                 | 3      | 1   | 8  | 4     | 1 |     | 3   |   |  |
| Tibia                 | 6      | 8   | 12 | 4     | 6 | 3   |     | 2 |  |
| Astragalus            | 1      | 2   | 2  |       | 1 |     |     |   |  |
| Calcaneum             | 2      | 2   | 1  | 4     | 1 | 2   |     |   |  |
| Metatarsal            |        | 3   | 3  |       |   |     | 5   |   |  |
| Phalanx 1             | 8      | 5   |    |       |   | 1   |     |   |  |
| 2                     | 2      |     |    |       |   |     |     |   |  |
| 3                     | 2      | 1   |    |       |   |     |     |   |  |
| Total no of bones     |        | 124 |    | 111   |   | 47  |     |   |  |
|                       |        | 44% |    | 39%   |   | 17% |     |   |  |
| Minimum no of animals |        | 10  |    | 14    |   | 7   |     |   |  |
|                       |        | 32% |    | 45%   |   | 23% |     |   |  |

+ Horse radius: L, metatarsal: R, phalanx 2: 1  
Dog humerus: L, pelvis: L+R.

Red deer 3 antler fragments

Table M14: Number of bones from different species in Phase 7

|                       | Cattle |     | Sheep |     | Pig |     |
|-----------------------|--------|-----|-------|-----|-----|-----|
|                       | L      | R   | L     | R   | L   | R   |
| Skull                 |        | 1   |       |     | 2   |     |
| Maxilla               |        |     | 1     |     |     | 1   |
| Mandible              |        |     | 1     |     |     | 1   |
| Scapula               |        | 1   |       |     |     |     |
| Humerus               |        |     | 1     |     |     |     |
| Radius                | 2      | 1   |       | 2   |     |     |
| Metacarpal            |        | 1   | 1     |     |     |     |
| Pelvis                | 1      | 1   |       |     |     |     |
| Femur                 |        |     |       | 2   |     |     |
| Tibia                 |        | 1   | 1     |     | 1   |     |
| Astragalus            | 2      |     |       |     |     |     |
| Calcaneum             |        |     |       |     | 1   |     |
| Metatarsal            |        | 2   |       |     |     | 2   |
| Phalanx 1             | 1      |     | 1     | 1   |     |     |
| 2                     |        | 1   |       |     |     |     |
| 3                     | 1      |     |       |     |     |     |
| Total no of bones     |        | 16  |       | 11  |     | 8   |
|                       |        | 46% |       | 31% |     | 23% |
| Minimum no of animals |        | 2   |       | 2   |     | 2   |
|                       |        | 33% |       | 33% |     | 33% |

+ Horse maxilla: R.

Table M15: Number of bones from different species in Phases 8, 9 and 10

|                        | Cattle |     |    | Sheep |     | Pig |     |   |
|------------------------|--------|-----|----|-------|-----|-----|-----|---|
|                        | L      |     | R  | L     | R   | L   |     | R |
| Skull                  | 2      | 1   | 1  | 1     | 1   | 1   | 1   | 7 |
| Maxilla                | 4      |     |    | 3     |     | 2   |     | 1 |
| Mandible               | 5      |     | 7  | 3     | 1   |     |     | 2 |
| Scapula                | 2      | 5   | 3  | 3     | 2   | 1   | 1   | 2 |
| Humerus                | 3      |     | 2  | 2     | 4   | 1   |     | 4 |
| Radius                 | 2      |     | 3  | 8     |     | 1   | 1   |   |
| Metacarpal             | 2      | 1   | 1  | 3     | 2   | 3   | 1   |   |
| Pelvis                 | 6      |     | 3  |       | 1   | 2   |     | 1 |
| Femur                  |        | 3   | 1  | 1     | 6   | 3   | 2   | 3 |
| Tibia                  | 2      | 3   | 1  | 3     | 1   | 4   | 2   | 2 |
| Astragalus             | 1      |     | 1  |       |     |     |     |   |
| Calcaneum              | 1      |     | 1  | 1     | 1   | 2   |     | 2 |
| Metatarsal             | 2      | 1   |    | 1     | 4   | 1   | 6   |   |
| Phalanx 1              | 4      |     | 9  |       | 1   | 1   |     | 1 |
| 2                      | 3      |     | 10 |       |     |     |     |   |
| 3                      | 7      |     | 6  |       | 1   |     |     |   |
| Total no. of bones     |        | 110 |    |       | 63  |     | 50  |   |
|                        |        | 49% |    |       | 28% |     | 23% |   |
| Minimum no. of animals |        | 11  |    |       | 9   |     | 5   |   |
|                        |        | 44% |    |       | 36% |     | 20% |   |

+ Horse pelvis: L, R, femur: L  
 Dog maxilla: L, radius: L, pelvis: L, tibia: L  
 Dog?/Fox? skull: fragments, tibia: L

Table M16: Number of bones from different species in Phase 11A

|                        | Cattle |     |    | Sheep |     | Pig |     |   |
|------------------------|--------|-----|----|-------|-----|-----|-----|---|
|                        | L      |     | R  | L     | R   | L   |     | R |
| Skull                  | 13     | 20  | 13 | 17    | 10  | 13  | 1   | 5 |
| Maxilla                |        |     | 1  | 6     |     | 6   | 5   | 2 |
| Mandible               | 1      |     | 3  | 14    |     | 25  | 4   | 3 |
| Scapula                | 5      | 7   | 3  | 10    | 8   | 12  | 3   | 3 |
| Humerus                | 2      |     | 12 | 22    |     | 17  | 4   | 2 |
| Radius                 | 2      | 1   | 4  | 19    | 1   | 15  |     | 7 |
| Metacarpal             | 2      | 3   | 2  | 13    | 26  | 14  | 4   |   |
| Pelvis                 | 2      |     | 9  | 29    |     | 20  | 3   | 3 |
| Femur                  | 3      | 9   | 6  | 12    | 23  | 8   | 4   | 4 |
| Tibia                  | 4      | 2   | 4  | 27    | 5   | 22  | 1   | 5 |
| Astragalus             | 1      |     |    | 4     |     |     |     |   |
| Calcaneum              | 4      |     | 2  | 6     |     | 8   | 2   | 2 |
| Metatarsal             | 1      | 3   | 3  | 9     | 24  | 8   | 5   |   |
| Phalanx 1              | 11     |     | 9  | 16    |     | 9   |     | 4 |
| 2                      | 9      |     | 9  | 4     |     | 1   |     |   |
| 3                      | 6      |     | 2  | 1     |     |     |     |   |
| Total no. of bones     |        | 193 |    |       | 484 |     | 80  |   |
|                        |        | 25% |    |       | 64% |     | 11% |   |
| Minimum no. of animals |        | 13  |    |       | 29  |     | 10  |   |
|                        |        | 15% |    |       | 55% |     | 20% |   |

+ Horse splint bone: 1  
 Dog pelvis: L  
 Cat humerus: L, R, femur: 3L, R  
 Hare/Rabbit mandible: L

Table M17: Number of bones from different species in Phase 11B

|                       | Cattle |     | Sheep |     | Pig |     | R |
|-----------------------|--------|-----|-------|-----|-----|-----|---|
|                       | L      | R   | L     | R   | L   | R   |   |
| Skull                 |        | 4   |       | 1   |     |     |   |
| Maxilla               |        |     |       |     |     |     |   |
| Mandible              |        |     |       |     | 2   | 1   |   |
| Scapula               |        | 1   | 2     | 1   | 1   | 1   |   |
| Humerus               | 2      |     | 2     | 1   |     |     | 1 |
| Radius                | 2      |     | 1     | 1   | 3   | 1   |   |
| Metacarpal            |        |     |       | 2   | 1   | 1   |   |
| Pelvis                |        |     | 2     | 2   |     |     |   |
| Femur                 | 1      |     |       | 1   | 2   | 1   | 1 |
| Tibia                 |        |     | 1     |     |     | 11  |   |
| Astragalus            |        |     | 1     |     |     |     |   |
| Calcaneum             |        |     |       |     |     | 1   |   |
| Metatarsal            |        |     |       |     |     | 1   |   |
| Phalanx 1             |        |     |       | 1   |     | 1   |   |
| 2                     |        |     |       |     |     |     |   |
| 3                     |        |     |       |     |     |     |   |
| Total no of bones     |        | 19  |       | 33  |     | 7   |   |
|                       |        | 32% |       | 56% |     | 12% |   |
| Minimum no of animals |        | 4   |       | 11  |     | 1   |   |
|                       |        | 25% |       | 69% |     | 6%  |   |

+ Horse femur: R, tibia: L

Table M18: Number of bones from different species in Phase 11C

|                       | Cattle |     | Sheep |     | Pig |     | R |
|-----------------------|--------|-----|-------|-----|-----|-----|---|
|                       | L      | R   | L     | R   | L   | R   |   |
| Skull                 | 7      | 7   | 2     | 3   | 3   | 1   | 2 |
| Maxilla               |        |     | 1     | 2   |     | 2   | 2 |
| Mandible              | 5      |     | 2     | 8   | 10  | 3   | 6 |
| Scapula               | 2      | 4   | 7     | 3   | 3   | 2   | 1 |
| Humerus               | 4      |     | 4     | 13  | 2   | 5   | 3 |
| Radius                | 9      | 1   |       | 14  | 1   | 14  | 1 |
| Metacarpal            | 2      | 2   | 2     | 4   | 10  | 5   |   |
| Pelvis                | 3      |     | 1     | 10  |     | 8   | 1 |
| Femur                 | 1      | 10  | 3     | 5   | 12  | 5   | 1 |
| Tibia                 | 1      |     | 4     | 18  | 8   | 19  | 4 |
| Astragalus            | 1      |     | 2     | 1   |     | 2   | 1 |
| Calcaneum             | 3      |     | 3     |     |     | 2   | 1 |
| Metatarsal            |        | 4   | 1     | 8   | 12  | 11  | 1 |
| Phalanx 1             | 4      |     | 5     | 7   |     | 6   |   |
| 2                     |        |     | 4     |     |     | 1   |   |
| 3                     | 3      |     | 2     | 1   |     |     | 1 |
| Total no of bones     |        | 116 |       | 241 |     | 42  |   |
|                       |        | 29% |       | 60% |     | 11% |   |
| Minimum no of animals |        | 10  |       | 20  |     | 8   |   |
|                       |        | 26% |       | 53% |     | 21% |   |

+ Horse tibia: R, phalanx 3: 1  
 Dog mandible: R, scapula: L  
 Cat ulna: L, pelvis: L, femur: part.

Table M19: Number of bones from different species in Phase 12

|                       | Cattle |     | Sheep |   |     | Pig |     | R |
|-----------------------|--------|-----|-------|---|-----|-----|-----|---|
|                       | L      | R   | L     | R | L   | R   |     |   |
| Skull                 | 1      | 2   | 1     | 3 | 3   | 3   | 1   |   |
| Maxilla               |        |     |       |   |     |     |     |   |
| Mandible              | 3      |     | 1     | 9 |     | 8   | 1   |   |
| Scapula               | 2      | 5   | 2     | 2 | 2   | 2   | 1   | 1 |
| Humerus               | 2      |     | 1     | 2 |     | 5   |     | 1 |
| Radius                | 1      | 1   | 1     | 5 |     | 3   | 2   |   |
| Metacarpal            | 2      | 1   | 1     | 1 | 2   | 1   |     | 1 |
| Pelvis                | 3      |     | 6     | 7 |     | 5   | 1   |   |
| Femur                 | 2      | 3   |       | 3 | 6   | 2   |     | 1 |
| Tibia                 | 4      | 1   | 2     | 8 | 2   | 10  |     |   |
| Astragalus            |        |     | 2     |   |     | 1   |     |   |
| Calcaneum             |        |     | 2     |   |     | 1   |     | 2 |
| Metatarsal            |        | 4   |       | 1 | 3   | 2   | 1   |   |
| Phalanx 1             | 3      |     | 6     |   |     | 2   |     |   |
| 2                     | 1      |     | 3     |   |     |     |     | 1 |
| 3                     | 2      |     |       |   |     |     |     |   |
| Total no of bones     |        | 71  |       |   | 104 |     | 15  |   |
|                       |        | 37% |       |   | 55% |     | 8%  |   |
| Minimum no of animals |        | 9   |       |   | 11  |     | 4   |   |
|                       |        | 37% |       |   | 46% |     | 17% |   |

+ Horse radius: L, ulna: R, femur: part, tibia: L, phalanx 2: 1  
 Cat mandible: L  
 Rabbit mandible: R

Table M20: Number of bones from different species in Phase 13

|                       | Cattle |     | Sheep |   |     | Pig |     | R |
|-----------------------|--------|-----|-------|---|-----|-----|-----|---|
|                       | L      | R   | L     | R | L   | R   |     |   |
| Skull                 | 3      |     | 2     | 2 |     | 2   |     | 2 |
| Maxilla               | 2      |     |       |   |     | 1   |     |   |
| Mandible              | 3      | 1   | 4     | 8 |     | 7   | 3   | 2 |
| Scapula               | 3      | 1   | 3     | 4 |     | 9   | 1   | 1 |
| Humerus               | 2      | 1   | 5     | 7 |     | 8   | 3   | 3 |
| Radius                | 2      |     | 8     | 5 |     | 11  |     | 4 |
| Metacarpal            | 2      | 2   | 1     | 5 | 7   | 9   | 2   |   |
| Pelvis                | 5      |     | 3     | 5 |     | 7   | 2   | 1 |
| Femur                 | 2      | 4   | 3     | 3 | 10  | 3   |     | 1 |
| Tibia                 | 5      | 1   | 1     | 9 |     | 10  | 1   |   |
| Astragalus            |        |     | 3     | 1 |     | 1   |     |   |
| Calcaneum             | 1      |     | 1     | 1 |     |     | 1   | 1 |
| Metatarsal            | 4      | 3   | 3     | 5 | 5   | 9   | 4   |   |
| Phalanx 1             | 1      |     | 5     | 2 |     | 7   |     | 1 |
| 2                     |        |     | 4     |   |     | 1   |     |   |
| 3                     |        |     | 2     |   |     |     |     |   |
| Total no of bones     |        | 96  |       |   | 163 |     | 34  |   |
|                       |        | 33% |       |   | 56% |     | 11% |   |
| Minimum no of animals |        | 9   |       |   | 13  |     | 5   |   |
|                       |        | 33% |       |   | 48% |     | 19% |   |

+ Horse radius: R, ulna: L  
 Dog skull: 1, scapula: L, pelvis: R, metatarsal: 1  
 Cat mandible: L, scapula: R, humerus: 3R, 1, radius: 2R,  
 ulna: 2R, pelvis: L+R, femur: 2L+R, 1, tibia L R, R  
 Rabbit radius: 2L



## THE BIRD BONES

by D Bramwell (summarised by G E Oakley)

576 stratified bird bones were identified. Wild species (see Table M22) accounted for 22 (4%). Partridge, rook or crow and raven (though possibly a pet bird) would have been found on agricultural land. The marshy valley of the River Nene supplied mute swan (perhaps semi-domesticated), heron, coot and various duck, including the winter visitors goldeneye and goosander, to supplement diet, chiefly from late autumn to early spring. Swan was often eaten at Christian festivals until replaced by turkey. Woodcock might also be a winter immigrant but cranes probably came only in summer. (For other occurrences of cranes in Northampton see Bramwell in Williams 1979: 333-4).

Table M23 shows the percentages of domestic birds in the main phases where a reasonable sample size is available. Domestic duck appear to make a significant contribution to diet in the Saxon period but were scarce later. A large variety of duck in Phase 13B House might be a continental introduction. The geese, mostly of greylag size but a few smaller and all assumed domestic, probably supplied as much meat as the generally more numerous fowl. Dwarf bantam-size fowl, noted in Phases 3, ?8//11B and ?13 or post-13, would not have exceeded 2-3lbs dressed weight.

Table M24 gives numbers of bones of all stratified domestic bird bones in Phase groups.

Table M22: Bones of wild bird species

| <u>Wild Species</u>                                    | <u>Phase</u>                            |
|--|---|
| Heron ( <i>Ardea cinerea</i> )                         | ?11//13                                 |
| Mute Swan ( <i>Cygnus olor</i> )                       | 12ii Yard (2 bones)                     |
| Duck cf. mallard ( <i>Anas platyrhynchos</i> )         | ( 11A Yard<br>( 13B House<br>( ?13 Yard |
| Duck, teal ( <i>Anas crecca</i> )                      | ?4//10                                  |
| Duck, goldeneye ( <i>Bucephala clangula</i> )          | 3                                       |
| Duck, goosander ( <i>Mergus merganser</i> )            | 11A Yard (2 bones)                      |
| Partridge ( <i>Perdix perdix</i> )                     | 13Ai House                              |
| ?Partridge ( " " )                                     | 13 Yard                                 |
| Crane ( <i>Grus grus</i> )                             | 11B Yard                                |
| Coot ( <i>Fulica atra</i> )                            | 11//?post-13                            |
| Woodcock ( <i>Scolopax rusticola</i> )                 | 11A Yard                                |
| Rook ( <i>Corvus frugilegus</i> ) )                    | ?8//11B                                 |
| or Crow ( <i>Corvus corone</i> ) )                     | 11Cii Yard                              |
| Raven ( <i>Corvus corax</i> )                          | (?8//11C<br>(?11A//C (2 bones)          |
| Thrush sp, cf song thrush ( <i>Turdus philomelos</i> ) | 2                                       |

Table M23: Percentages of domestic bird bones.

| Phase     | Fowl | Goose | Duck | Sample (no of bones) |
|-----------|------|-------|------|----------------------|
| 2         | 19   | 69    | 12   | 16                   |
| 3         | 41   | 45    | 14   | 22                   |
| 8-10      | 73   | 27    | -    | 11                   |
| 11A-B     | 54.1 | 45.3  | 0.6  | 159                  |
| 11Ci-ii   | 58   | 38    | ?4   | 52                   |
| 12ii Yard | 58   | 42    | -    | 26                   |
| 13        | 67   | 27    | 6    | 84                   |

Table M24: Number of bones of domestic birds

| Phase             | Fowl       | Goose      | Duck      | Total      |
|-------------------|------------|------------|-----------|------------|
| 2                 | 3          | 11         | 2         | 16         |
| 3                 | 9          | 10         | 3         | 22         |
| 4                 | 5          |            |           | 5          |
| 5                 | 2          |            |           | 2          |
| 7                 | 2          | 1          |           | 3          |
| 8                 | 8          | 2          |           | 10         |
| 8//10             |            | 1          |           | 1          |
| 11A House         | 7          | 7          |           | 14         |
| 11A Yard          | 70         | 56         | ?1        | 127        |
| pre-11/11A Yd     | 3          |            |           | 3          |
| 11A/B Yard        | 3          | 5          |           | 8          |
| 11B Yard          | 6          | 4          |           | 10         |
| 10//11Ci House    | 1          |            |           | 1          |
| 11A//11Ci House   | 14         | 7          |           | 21         |
| 11A//C            | 1          | 1          |           | 2          |
| 11Ci Yard         | 2          | 4          |           | 6          |
| 11Cii Yard        | 16         | 8          | ?1        | 25         |
| 11Cii House Nwall | 12         | 8          | ?1        | 21         |
| 11Cii/12 Yard     |            | 3          |           | 3          |
| 12ii Yard         | 15         | 11         |           | 26         |
| 12ii/13 Yard      | 1          |            |           | 1          |
| 13Ai House        | 9          | 5          |           | 14         |
| 13Ai Yard         | 3          | 4          |           | 7          |
| 13B House         | 13         | 2          | 5         | 20         |
| 13 Yard           | 21         | 12         |           | 33         |
| 12ii/post-13 Yd   | 1          |            |           | 1          |
| ?13/post-13 Yd    | 2          |            |           | 2          |
| (secondary)       |            |            |           |            |
| ?8//11B           | 11         | 15         |           | 26         |
| ?8//11            | 1          |            |           | 1          |
| 8//?11C           | 9          | 5          |           | 14         |
| ?11A//C           | 5          | 4          | 1         | 10         |
| ?11C              | 4          | 2          |           | 6          |
| ?11C/12           |            | 1          |           | 1          |
| ?11C/13           | 5          | 3          | 1         | 9          |
| ?11//13           | 18         | 12         | 1         | 31         |
| 11//?post-13      | 21         | 20         | 2         | 43         |
| ?13 or post-13    | 6          | 3          |           | 9          |
| <b>TOTAL</b>      | <b>309</b> | <b>227</b> | <b>18</b> | <b>554</b> |



THE FISH BONES

by A K G Jones

Table M25

| Species   | Phase   | No of bones   |
|---|---|---|
| Salmon ( <u>Salmo salar</u> ) )<br>or trout ( <u>Salmo trutta</u> ) ) | 8<br>12ii//post-13 Yard   | 1 vertebral centrum (see WB15)<br>1 "   |
| Herring ( <u>clupea harengus</u> )                                    | 11A//11Ci House   | 9 skull bones & scale frags   |
| Haddock ( <u>Melanogrammus aeglefinus</u> )                           | 11Cii House, Nwall<br>?11C//13 (sec)  | 1 post temporal<br>1 (small) cleithrum  |
| Cod ( <u>Gadus morhua</u> )   | 12ii Yard<br>?13/post-13 Yard<br>?13 or post-13<br>11//?post-13 (sec)   | 1 caudal vertebral centrum<br>1 " + 1 post temporal<br>1 caudal vertebral centrum<br>2 cleithra frags |
| Cod family  | 13 yard   | some of 77 fin rays   |
| Flatfish, probably plaice<br>or flounder                              | post-13   | 3 vertebral centra  |
| Unidentified fish   | 11A Yard<br>11A//11Ci House<br>11Cii Yard<br>12ii Yard<br>13Yard<br>13B House<br>11//?post-13 (sec)<br>?11//13 (sec)<br>post-13 | 5 branchiostegals<br>2 intra-muscular bones<br>numerous fin rays                                      |

**THE SHELLFISH**

by G E Oakley

Table M26: Number of shells of different species

| PHASE                | OYSTER |       | MUSSEL |   | WHELK | COCKLE | FRESHWATER MUSSEL |
|----------------------|--------|-------|--------|---|-------|--------|-------------------|
|                      | UPPER  | LOWER | L      | R |       |        |                   |
| 2                    | 1      |       |        |   |       |        |                   |
| 3                    | 1      | 5     |        |   |       |        |                   |
| 7                    |        | 1     |        |   |       |        |                   |
| 11A House            | 1      |       |        |   |       |        |                   |
| 11Cii House, Nwall   |        | 1     |        |   |       |        |                   |
| ?11A//C (Sec)        | 1      | 1     |        | 1 |       |        |                   |
| 12i Yard             | 1      |       |        |   |       |        |                   |
| 12ii Yard            | 21     | 28    |        | 1 |       |        |                   |
| 12ii/13 Yard         |        | 1     |        |   |       |        |                   |
| 12ii//post-13 Yd     | 1      |       |        |   |       |        |                   |
| 13 Yard              | 9      | 10    |        | 1 |       |        |                   |
| 13 House             | 9      | 10    |        | 2 |       |        |                   |
| ?13 Yard             | 4      | 1     |        |   |       |        |                   |
| ?13 Yard             | 5      | 1     |        |   |       |        |                   |
| ?11//13 (sec)        | 30     | 50    | 1      | 1 | 1     |        | ?1                |
| ?13 (sec)            |        | 2     |        |   |       |        |                   |
| 11//?post-13 (sec)   | 36     | 18    | 1      | 1 |       |        |                   |
| ?13 or post-13 (sec) | 2      | 2     |        |   |       |        |                   |
| post-13              | 11     | 10    |        |   |       |        |                   |
| U/S                  | 32     | 43    | 2      | 2 | 1     | 1      |                   |
| TOTAL                | 165    | 184   | 4      | 9 | 2     | 1      | ?1                |

## THE PLANT REMAINS

by V R Straker

SOME LATE SAXON PLANT REMAINS

|   |      |      |
|---|------|------|
| Table M27: Numbers of seeds (unless otherwise stated) | A222 | A365 |
| Volume of soil processed by flotation (litres)        | 1.8  | 2.3  |

### Cultivated Plants

|   |                 |    |    |
|---|-----------------|----|----|
| Avena sp. *                                       | oats            | 5  | 49 |
| Avena sp. * (flower base)                         | oat flower base | -  | 1  |
| Hordeum sp.                                       | hulled barley   | 4  | 19 |
| Triticum aestivum L.<br>aestivo-compactum Schiem. | club wheat      | 24 | 60 |
| Triticum sp.                                      | wheat           | 1  | -  |
| Secale cereale L.                                 | rye             | 1  | 2  |
| cf. S. cereale L.                                 | cf rye          | 1  | -  |
| Vicia faba L.<br>var. minor                       | horsebean       | -  | 13 |

### Weeds of Cultivated Land

|                       |             |   |   |
|-----------------------|-------------|---|---|
| Agrostemma githago L. | corn cockle | 1 | 2 |
| Rumex sp.             | dock sp     | - | 1 |

\*It is not clear whether the oats are wild or cultivated, see text for explanation.

The seeds in layers A222 and A365 were recovered by flotation of soil samples in water. The float was collected in a fine sieve of 300 micron mesh and the coarser residue in a 500 micron mesh sieve. The float and residue were dried slowly and examined under a low power microscope for seeds and other plant remains.

In both layers A222 and A365 most of the seeds were of club wheat, a cultivated compact formed bread wheat. Although oats were also fairly numerous it is not clear whether they were a cultivated or weed species, as they were of an intermediate size (length 4-6.5mm) and only one flower base (in layer A365) was recovered. This unfortunately is not well enough preserved to show the distinct basal scar which would characterise a wild type oat, and is not present in the cultivated oat. The barley is all of the hulled type, however as only relatively few grains are present and show roughly equal proportions of the symmetrical and asymmetrical forms, it is not possible to be sure whether the barley is of the two-rowed or six-rowed form. Also, as there are no rachis nodes preserved which would be of use in differentiating between two types identification has to rely on

grain morphology alone. Rye is noticeably less well represented than the other cereals.

The presence of horsebean (23 seeds, some incomplete, from layer A365) is of great interest. According to Godwin (1975) this species became a popular crop in the Iron Age in Central Europe, moving from there to North West Germany and Denmark and to Great Britain possibly via France and the Iberian Peninsula. Horsebeans have been found on several Roman sites in Britain and Europe, but as far as Britain is concerned they are rare for sites of the Saxon period.

Corn cockle and dock are found commonly as weeds of cultivated or disturbed land; they may have been growing as weeds of the cultivated species.

Apart from the single oat flower there are no chaff remains from the samples; the cereals had therefore been thoroughly threshed and cleaned. In the area from which the samples in layer A222 were taken there is no evidence for a house or yard. It is possible that the seeds became carbonised as a result of the burning of cultivated land; this would imply that the crops (principally club wheat, hulled barley and possibly oats) were growing within the Late Saxon town. However, if this was the case perhaps one would expect to find chaff remains and other plant debris. Alternatively the seeds may represent an element of domestic rubbish disposed of on waste land that was not built on. The assemblage of ?hearth material (layer A365) gives an idea of what plants were being used on the site, although from this context it cannot be assumed that they were grown there. The same species were represented in hand-picked samples from Late Saxon layers except for weed seeds. Burnt hazelnut shells were found in one of the hand-picked samples examined but not in the soil samples.

In general, little work has been done on plant remains from Saxon sites and therefore comparison of the Marefair assemblage with that from other sites is rather limited. Helbaek (Jessen and Helbaek, 1944) examined flower and grain impressions on Saxon pottery and found that barley (principally hulled) and oats which were largely of a cultivated species were represented, as well as a single impression of woad and two of flax. At Wickenbonhunt, Essex mid-Saxon and Saxo-Norman ditches produced seeds which included cereals (Webster and Cherry 1974: 175-6).

Important environmental evidence for the Saxon period comes from another site in Northampton: St Peter's Street (Keepax et al in Williams 1979:337). Various species were identified from a waterlogged pit, principally weeds of arable land and waste places. Among the insects identified one, Bruchus rufimanus, the bean beetle is of particular interest in relation to the Marefair samples. This attacks growing crops of broad beans and horsebeans and its presence suggests that storage or cultivation of bean products took place at the site (Girling in Keepax et al in Williams 1979:337).

The presence of horsebean in layer A365 at Marefair supports the suggestion from St Peter's Street that bean products were used in the Saxon town. To judge from information available at present the horsebean is very rare for Saxon sites, however, with more work on plant remains giving a clearer picture of the situation in this period it may be less uncommon than now appears to be the case.

#### Acknowledgements

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#### CARBONISED SEEDS FROM A LATE MEDIEVAL OVEN

TABLE M28: Numbers of seeds (unless otherwise stated)

#### Cultivated Species

##### GRAMINEAE

|  |                            |       |
|--|----------------------------|-------|
| <i>Hordeum vulgare</i> L. emend. Lam.          | hulled barley              | 33    |
| <i>Hordeum</i> sp. (poorly preserved)          | barley                     | 19    |
| <i>Secale cereale</i> L.                       | rye                        | 2     |
| cf. <i>S. cereale</i> L.                       | cf. rye                    | 3     |
| <i>Avena</i> sp.                               | oats (possibly cultivated) | 8     |
|  | flower base (fragmentary)  | 1     |
| cereals sp. (poorly preserved and fragmentary) |                            | c. 59 |

##### LEGUMINOSAE

|   |           |   |
|---|-----------|---|
| <i>Vicia</i> cf. <i>faba</i> L. var. <i>minor</i> | horsebean | 3 |
|---|-----------|---|

#### Weed Species

##### CARYOPHYLLACEAE

|                              |             |   |
|------------------------------|-------------|---|
| <i>Agrostemma githago</i> L. | corn cockle | 1 |
|------------------------------|-------------|---|

##### CHENOPODIACEAE

|  |                      |    |
|--|----------------------|----|
| <i>Chenopodium</i> sp. (at least 2 species)  | fat hen sp.          | 52 |
| <i>Chenopodium</i> cf. <i>ficifolium</i> Sm. | fig-leaved goosefoot | 1  |

##### COMPOSITAE

|                           |                  |   |
|---------------------------|------------------|---|
| <i>Anthemis cotula</i> L. | stinking mayweed | 1 |
|---------------------------|------------------|---|

##### CRUCIFERAE

|                     |  |   |
|---------------------|--|---|
| <i>Brassica</i> sp. |  | 8 |
|---------------------|--|---|

##### CYPERACEAE

|                  |           |   |
|------------------|-----------|---|
| <i>Carex</i> sp. | sedge sp. | 6 |
|------------------|-----------|---|

##### GRAMINEAE SP.

|  |           |   |
|--|-----------|---|
|  | grass sp. | 2 |
|--|-----------|---|

##### LEGUMINOSAE

|                       |       |    |
|-----------------------|-------|----|
| <i>Vicia/Lathyrus</i> | vetch | 29 |
|-----------------------|-------|----|

##### POLYGONACEAE

|                  |          |   |
|------------------|----------|---|
| <i>Rumex</i> sp. | dock sp. | 9 |
|------------------|----------|---|

|   |  |   |
|---|--|---|
| <i>Polygonaceae</i> sp. (badly preserved) |  | 3 |
|---|--|---|

## RUBIACEAE

|                                |          |   |
|--------------------------------|----------|---|
| Galium cf. odoratum (L.) Scop. | woodruff | 2 |
| unidentified                   |          | 8 |

2.5 litres of soil from the lowest fill of the oven (A188.8) were processed by hand flotation. The float and residue were collected on 300 micron and 500 micron sieves respectively. These were dried slowly and then sorted in the laboratory under a binocular microscope. In general, the seeds are in a poor state of preservation and it has not been possible in all cases to identify them down to the species level.

Hulled barley is the principal cultivated species, with small amounts of rye and oats also present. As much of the barley is in a poor condition and there is a large number of unidentified cereal grains, it was considered that to determine whether the barley is of the two-row or six-row form would be misleading in this case. It is not possible to be certain whether the oats are from a cultivated or wild species owing to the lack of complete flower bases in the samples; the single flower base is not well enough preserved to determine this. A single oat is large, about 8mm long and may well be cultivated, however the rest are smaller and possibly wild. The ~~three~~ probable horsebeans are not well preserved.

It is very likely that the kiln was used to dry more than one commodity, and that the mixing of the different cultivated species and the weeds took place artificially in the kiln, with the seeds which had accidentally become burnt and not been cleared out accumulating gradually. Alternatively, the kiln could have been used to dry barley as part of the process of malting and the other cereals, beans and weeds merely contaminants of the main crop. Another possibility is that the kiln was used for malting sometimes and at others for drying different plants perhaps as a preparation for threshing or storage.

Most of the weed species are not generally restricted to a particular habitat but can commonly be found on disturbed, waste or cultivated land. Corn cockle is described by Clapham, Tutin and Warburg (1962) as a decreasing cornfield weed and mayweed, common on arable land and in waste places is especially found in southern and central England. Fat hen, vetch and dock are likewise common plants from similar habitats. Woodruff occurs in a variety of places except in the most acid conditions and sedge, although common in damp places is often found in a wide variety of plant communities. The Brassica seeds from Marefair were in a bad condition and little comment can be made except that this genus includes important cultivated plants such as cabbage and rape as well as wild species.

Carbonised barley was found on the hearth of a Medieval oven at Streatham, Sussex (Wilson and Hurst 1961: 328) and a structure which is directly comparable to the Marefair kiln was found at the St Peter's Street site in Northampton (Keepax et al

in Williams 1979: 337). At the latter site wheat was the main cultivated species (78%), with smaller amounts of barley (14%) and oats (8%) as well as a few weed species comparable with some from the Marefair kiln. As barley is the main cereal found at Marefair it is possible that the kiln was used to dry barley as part of the malting process, however as pointed out above it cannot be assumed that the kiln had a single function only; it could have been used for a variety of purposes.

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