

Contents of Microfiche

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permission)

This excavation, conducted under extremely adverse conditions over a period of just two days by the late R. Rainbird Clarke, has never been written up, although a note was published in Medieval Archaeology (1962-3) and ceramic material has been treated in isolation on two occasions (Green, Dunning and Wade-Martins, 1969 and Jennings, 1981). No drawings, either plans or sections, could be made at the time, and only three photographs of the site are known (one is published in this volume as Plate I).

The 1981 excavation (Site 450) re-excavated the backfill of the earlier trench and drew the sections thereof, numbering the layers and features within the sequence of 1981 contexts. The 1962 site records describe the east section of the trench as essentially a series of 'floors'. An attempt has been made to equate these 'floors' with the levels seen and excavated in 1981 as outlined below. Fig. 48 illustrates the process.

<u>1962 record</u>	<u>1981 contexts</u>
Floor 1	Removed by machine
Floor 2	Removed by machine
Floor 3	Possibly layers <u>36</u> and <u>33</u> at 2.71m O.D.
Floor 4	Possibly layer <u>1</u>
Floor 5	Below layer <u>1</u>
Floor 6	Almost certainly layer <u>11</u> at 2.17m O.D.
Floor 7	Almost certainly layer <u>14</u>

In addition a further deposit is described in the 1962 record between Floors 6 and 7. This is almost certainly the same deposit as layer 13. Material was also recovered under Floor 7, probably the equivalent of layer 15.

Natural sand was recorded in 1962 at a depth of 6ft (1.83m) which is approximately the correct position.

Nowhere in the 1962 record is there a mention of layer 12, which is odd as it was most conspicuous in the trench sections, being a striking orange-brown in colour.

The 1962 notes gave all depths in Imperial measurements from the existing ground surface. For the purpose of the above exercise,

this latter has been taken as c. 3.30m O.D.

The above equating of deposits has enabled the synthesis of the 1962 finds to proceed within the assemblage of material from the 1981 excavation (see Chapter 3).

SITE CODE:- 450N

M2/1

COINS/JETTONS AND TOKENS (arranged alphabetically)

FIG. REF.	MATERIAL	PERIOD	SF. NUMBER FOLLOWED BY CONTEXT NO.	NOTES
<u>COINS</u>				
Cat.No.1	Cu. Alloy	I 3	SF.647.761	Roman - FAUSTA
Cat.No.2 & Plate XXXIII	" "	III 2	SF.230.250	Sceatta
Cat.Nos. 3&4	Silver	II 1	SF.411.525	Henry I - 2 cut halfpennies
Cat.No.5	"	III 3	SF.13.45	Henry IV
Cat.No.6	Cu. Alloy	U/S	SF.6.U/S	James I farthing
Cat.No.7	" "	IV 3	SF.221A.224	George I halfpenny/ farthing
Cat.No.8	" "	U/S	SF.716.U/S	George II halfpenny
Cat.No.9	" "	U/S	SF.84.U/S	George IV farthing
Cat.No.10	" "	IV	SF.221B.224	Victoria 'Bun' penny
Cat.No.11	" "	IV	SF.221C.224	Victoria 'Bun' halfpenny
<u>TOKENS</u>				
Cat.No.12	" "	III 2	SF.1.1	Edward III/ Richard II jetton
Cat.No.13	" "	III 3	SF.19.63	Nuremburg Jetton
Cat.No.14	" "	III 3	SF.226.227	Nuremburg Jetton
Cat.No.15	" "	III 3	SF.148.158	? Coin/token

SITE CODE:- 450N
OBJ. TYPE:- SILVER

M2/2

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Fig.55 No.1	Silver	I 1	S.F.410.1095	5x47 ϕ	Penannular arm ring
Fig.55 No.5	Silver	II 1	S.F.794.1117	14x15x2	Finger ring

SITE CODE:- 450N

M2/3

OBJ. TYPE:- Cu. Alloy

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Fig.55 No.2	Cu. Alloy + Fe. pin	I 2	S.F.678.846	3x25 ϕ	'Coin' brooch
Fig.55 No.3	Cu. Alloy	I 3	S.F.546.673	40x19x5	Unfinished equal armed brooch
Not illus.	" "	I 3	S.F.548.673	2 frags.	? waste
Fig.55 No.4	" "	I 3	S.F.713.675	45x24x7	Buckle
Not illus.	" "	I	S.F.437.563	10x9 ϕ	Small dome- headed rivet
Fig.56 No.9	" "	II 1	S.F.283.13	30x13x7	'Dumb-bell' shaped gilded mount
Not illus.	" "	II 1	S.F.321.13	18x13x1.5	? Buckle/ strap fitting
Fig.56 No.10	" "	II 1	S.F.391.631	63x9x3	Gilded decorative strip frag.
Fig.56 No.16	" "	II 1	S.F.393.632	31x25 ϕ	Bell
Fig.56 No.11 & plate XXXIV	" "	II 1	S.F.719.782	45x27x4	Ringerike-style zoomorphic plaque
Fig.56 No.12	" "	II 1	S.F.737.926	7x9x8	Gilded stud
Not illus.	" "	II 1	S.F.742.926	13x8x4	? waste
Not illus.	" "	II 1	S.F.1152.325	5 frags	Pierced strip/ sheet frags.
Fig.57 No.17	" "	II 2	S.F.265.291	40x29x3	Tweezers
Not illus.	" "	II 2	S.F.298.440	15x9x3	? Brooch/ buckle pin mounting
Not illus.	" "	II 2	S.F.314.453	11x10x0.5	Obj./strip frag.
Not illus.	" "	II 2	S.F.317.433	39x18x16	? feature/ fitting
Not illus.	" "	II 2	S.F.318.455	11x7x3	? waste
Fig.55 No.6	" "	II 2	S.F.325.433	25x11x1	Hooked tag
Fig.55 No.7	" "	II 2	S.F.331.433	6x24 ϕ	Annular brooch
Not illus.	" "	II 2	S.F.347A.433	20x18x10	? Brooch pin & pin mount
Not illus.	" "	II 2	S.F.347B.433	16x10x3	? Brooch pin mount

SITE CODE:- 450N

M2/4

OBJ. TYPE:- Cu. Alloy

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Fig.56 No.13	Cu. Alloy	II 2	S.F.402.527	40x32x18	Large gilded rivet
Not illus.	" "	II 2	S.F.743.2055	20x18x10	? Decorative rivet
Not illus.	" "	III 1	S.F.267.390	14x10x3	? Obj./waste
Fig.56 No.14	" "	III 1	S.F.269.390	58x20x3	Decorative strip frag.
Cat. No.7a	" "	III 2	S.F.70.87	18 ϕ	Belt fitting
Not illus.	" "	III 2	S.F.76.87	14x4x0.5	Strip frag.
Fig.55 No.8	" "	III 2	S.F.225.187	24 ϕ	Repousse design belt fitting
Not illus.	" "	III 2	S.F.229.250	20 ϕ	? Button
Not illus.	" "	III 2	S.F.246.331	4 frags.	? Fitting
Not illus.	" "	III 2	S.F.297.436	12 ϕ	? Decorative stud/button
Fig.57 No.19	" "	III 3	S.F.101.56	43x31x3	Balance frag.
Not illus.	" "	III 3	S.F.217.217	55x14x5	? Obj./strip frag.
Not illus.	" "	III 3	S.F.219.223	23x9x5	? Obj./waste
Not illus.	" "	III	S.F.315.1057	95x17x1	Pierced strip
Fig.56 No.15	" "	III	S.F.879.2125	15x51 ϕ	Decorative boss
Cat. No.8a	" "	U/S	S.F.722.U/S	49x5x3	Large brooch pin

SITE CODE:- 450N

M2/5

OBJ. TYPE:- Cu. Alloy tags, wire etc.

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Cu. Alloy	II 1	S.F.394.632	35x1 ϕ	? Wire frag.
" "	" "	II 1	S.F.519.574	Incomplete	? Tag/pin
" "	" "	II 2	S.F.234.291	Incomplete	Tag
" "	" "	II 2	S.F.301.453	Incomplete	Tag
" "	" "	III 2	S.F.24.16	24x1.5 ϕ	Rolled and pierced tag
" "	" "	III 2	S.F.28A.16	1x6 ϕ	Wire loop with twisted closure
" "	" "	III 2	S.F.28B.16	Incomplete	Tag
" "	" "	III 2	S.F.31.16	29x2 ϕ	Rolled and pierced tag
" "	" "	III 2	S.F.37.16	28x1.5 ϕ	Rolled and pierced tag
" "	" "	III 2	S.F.39.17	Incomplete	Tag
" "	" "	III 2	S.F.40.17	22x1.5 ϕ	Rolled and pierced tag
" "	" "	III 2	S.F.195.2	20x1.5 ϕ	Rolled and pierced tag
" "	" "	III 2	S.F.200.214	32x2 ϕ	Rolled and ?pierced tag
" "	" "	III 3	S.F.117.41	24x3 ϕ	Rolled and pierced tag
" "	" "	III 3	S.F.130.140	37x2 ϕ	Rolled and pierced tag
" "	" "	III 3	S.F.134.140	24x2 ϕ	Rolled and pierced tag
" "	" "	U/S	S.F.1241.U/S	88x5 ϕ	Rolled and pierced tag

Head types follow Margeson, S., 1982

SITE CODE:- 45ON

M2/6

PINS (Cu. Alloy)

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH in mm	TYPE	NOTES
Not illus.	Cu. Alloy	I 2	S.F.779.907	36	3	
" "	" "	III 1	S.F.139.155	35	1	
" "	" "	III 1	S.F.242.346	40	1	
" "	" "	III 1	S.F.289.373	Incomplete	3	
" "	" "	III 1	S.F.1187.208	Incomplete	Head missing	
" "	" "	III 2	S.F.2.2	42	?1	
" "	" "	III 2	S.F.3.1	37	?1	
" "	" "	III 2	S.F.7.8	41	?1	
" "	" "	III 2	S.F.22.16	6	Flat	Tack
" "	" "	III 2	S.F.23.16	40	1	
" "	" "	III 2	S.F.33.16	35	1	
" "	" "	III 2	S.F.34.3	40	1	
" "	" "	III 2	S.F.38.17	Incomplete	Head missing	
" "	" "	III 2	S.F.48.17	42	1	
" "	" "	III 2	S.F.49.17	37	1	
" "	" "	III 2	S.F.51.17	34	1	
" "	" "	III 2	S.F.52.17	39	1	
" "	" "	III 2	S.F.53.17	38	1	
" "	" "	III 2	S.F.61.79	36	1	
" "	" "	III 2	S.F.64.79	Incomplete	Head missing	
" "	" "	III 2	S.F.66.79	34	1	
" "	" "	III 2	S.F.68.79	35	1	
" "	" "	III 2	S.F.69.79	35	1	
" "	" "	III 2	S.F.71.80	38	1	
" "	" "	III 2	S.F.72.79	39	1	
" "	" "	III 2	S.F.73.80	35	1	
" "	" "	III 2	S.F.81.80	40	1	
" "	" "	III 2	S.F.102.80	39	1	
" "	" "	III 2	S.F.121.17	40	1	
" "	" "	III 2	S.F.126.80	Incomplete	Head missing	

SITE CODE:- 450N

M2/7

PINS (Cu. Alloy)

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH in mm	TYPE	NOTES
Not illus.	Cu. Alloy	III 2	S.F.175.1	29	?1	
" "	" "	III 2	S.F.178.189	41	1	
" "	" "	III 2	S.F.181.193	Incomplete	Head missing	
" "	" "	III 2	S.F.183.1	37	1	
" "	" "	III 2	S.F.187.1	35	1	
" "	" "	III 2	S.F.194.166	44	1	
" "	" "	III 2	S.F.199.214	26	3	
" "	" "	III 2	S.F.205.214	27	1	
" "	" "	III 2	S.F.207.214	27	1	
" "	" "	III 2	S.F.213.1	35	1	
" "	" "	III 2	S.F.231.269	41	1	
" "	" "	III 2	S.F.232.257	Incomplete	3	
" "	" "	III 2	S.F.233.257	40	1	
" "	" "	III 3	S.F.119.32	38	1/2	
" "	" "	III 3	S.F.128B.140	35	3	
" "	" "	III 3	S.F.128C.140	34	1	
" "	" "	III 3	S.F.131.140	40	1	
" "	" "	U/S	S.F.43.U/S	35	1	

SITE CODE:- 450N

M2/8

OBJ. TYPE:- IRON

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NUMBER	DIMENSIONS in mm	NOTES
Not illus.	Lead	I 1	S.F.295.1043	48x9 ϕ	Folded/rolled frag.
" "	"	I 1	S.F.398.1091	4x22 ϕ	Ring
" "	"	I 3	S.F.285.1005	55x32x6	?Industrial debris
" "	"	I 3	S.F.406.1005	44x43x5	Waste dribble
" "	"	I 3	S.F.494.673	43x14x1.5	Offcut strip
" "	"	II 1	S.F.322.13	6x53 ϕ	?Weight
" "	"	II 1	S.F.760.926	43x1x10	?Obj./waste strip
" "	"	II 2	S.F.55.1003	Folded 52x35x9	Came frag.
" "	"	II 2	S.F.277.423	Folded 83x28x7	Came frag.
" "	"	II 2	S.F.338.471	47x7x3	Came frag.
" "	"	II 2	S.F.386.1026	Folded 56x39x3	?Waste strip
" "	"	II 2	S.F.422.637	36x15x6	Waste material
" "	"	II 2	S.F.746.2037	49x6x6	?Waste material
" "	"	II 2	S.F.749.2057	59x21x6	?Waste dribble
Fig.57 No.18	"	II 2	S.F.809.2098	7x25 ϕ	Weight
Not illus.	"	II 2	S.F.826.2098	57x6x4	?Obj./waste strip
" "	"	II 2	S.F.864.2133	125x75x10	Obj./?rough ingot
" "	"	III 2	S.F.172.1	70x8x5	Came frag.
" "	"	III 2	S.F.239.315	Folded 65x42x18	Folded strip
" "	"	III 2	S.F.1120.8	Folded 125x58x9	Folded strip
Glass Objs. Cat. No.1d	"	III 3	S.F.725.2024	81x78x6	Window frag.
Not illus.	"	III 3	S.F.1055.227	2 pieces	Twisted and cut strips
" "	"	IV	S.F.842.2004	65x50x6	?Industrial debris
" "	"	U/S	S.F.459.U/S	87x8x3	Came frag.

SITE CODE:- 450N

M2/9

OBJ. TYPE:- IRON

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NUMBER	DIMENSIONS in mm	NOTES
Not illus.	Fe.	I 1	S.F.542.740	66x4 ϕ	?Rod frag.
" "	"	I 1	S.F.877.2186	73x24x18	?Rod/bar frag.
" "	"	I 1	S.F.976.1095	3 frags.	Heckle tooth frags.
" "	"	I	S.F.568.752	33x14x13	?Rod/bar frag.
Fig.59 No.18	"	I 2	S.F.400.1087	90x8x5	Awl
Not illus.	"	I 2	S.F.404.1087	166x17x15	Tapering rod/ bar frag.
" "	"	I 2	S.F.415.1096	32x21x3	Pierced strip/ rove
" "	"	I 2	S.F.460.603	51x27x15	Obj./slag
" "	"	I 2	S.F.509.1096	78x6x5	Heckle tooth frag.
" "	"	I 2	S.F.511.531B	79x10 ϕ	Awl
" "	"	I 2	S.F.514.1096	86x6x6	Heckle tooth frag.
Cat.No.1a	"	I 2	S.F.530.1096	91x35x10	Key
Not illus.	"	I 2	S.F.532.1096	63x3x3	Heckle tooth frag.
" "	"	I 2	S.F.698.1158	45x5x5	Tapering curved object/nail
" "	"	I 2	S.F.801.921	56x9x7	Tapering object, possibly pierced
Fig.59 No.19	"	I 2	S.F.838.1187	108x30x5	Fitting - loop terminal
Not illus.	"	I 2	S.F.1015.1134	50x3x3	Rod/Heckle tooth frag.
" "	"	I 2	S.F.1017.1187	33x7x6	?Rod/bar frag.
" "	"	I 2	S.F.1033A.1087	35x6x7	Tapering rod frag.
" "	"	I 2	S.F.1033B.1087	79x5x5	Rod/Heckle tooth frag.
" "	"	I 2	S.F.1033C.1087	35x11x13	Object
" "	"	I 3	S.F.45.1005	142x7x7	Tapering rod/ bar frag.
Fig.58 No.2	"	I 3	S.F.74.1005	101x20x21	Padlock key
Not illus.	"	I 3	S.F.75.1005	105x22x10	Horse shoe frag.

SITE CODE:- 450N

M2/10

OBJ. TYPE:- IRON

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe.	I 3	S.F.83.1005	110x5x5	Rod/Heckle frag.
Fig.59 No.20	"	I 3	S.F.129.1005	63x16x3	? Arrow head
Fig.60 No.30	"	I 3	S.F.169.1005	81x26x8	Spade head fish hook
Not illus.	"	I 3	S.F.171.1005	108x46x3	Riveted plate/ fitting
" "	"	I 3	S.F.279.1005	100x43x10	Tapering rod/ heckle tooth frag.
Fig.60 No.29	"	I 3	S.F.281.1005	64x17x5	Fish hook
Not illus.	"	I 3	S.F.395.1005	2 frags.	? Ferrule frags.
" "	"	I 3	S.F.424.1005	55x46x2	Plate/sheet frag.
" "	"	I 3	S.F.426.1005	125x5x4	Heckle tooth
" "	"	I 3	S.F.452.1005	66x22x3	Pierced strip/ bar frag.
" "	"	I 3	S.F.455.1005	105x5x4	Heckle tooth
Fig.59 No.21	"	I 3	S.F.464.1005	124x12x3	Arrow head
Not illus.	"	I 3	S.F.471.1005	50x5x3	Folded strip/ bar frag.
" "	"	I 3	S.F.489.1005	127x4x4	Heckle tooth
" "	"	I 3	S.F.505.674	92x10x9	? Needle/threader
Fig.59 No.22	"	I 3	S.F.516.690	62x20x10	Arrow head
Not illus.	"	I 3	S.F.517.674	48x10x4	Tapering, bent strip/object
" "	"	I 3	S.F.520.673	48x25x8	Pierced strip frag.
" "	"	I 3	S.F.538.1005	22x22x10	Curved, square- section object
" "	"	I 3	S.F.557.674	54x4x3	Tapering rod frag.
Fig.58 No.3	"	J 3	S.F.558.674	82x41x12	Key
Not illus.	"	I 3	S.F.608.673	86x53x7	? Hinge peg/hook
Fig.60 No.23	"	I 3	S.F.645.761	68x12x3	Strap hinge frag.
Not illus.	"	I 3	S.F.665.1005	87x4x3	Heckle tooth
Cat. No.23a	"	I 3	S.F.718.805	163x37x19	? Implement shoe
Not illus.	"	I 3	S.F.764.982	37x17x4	Pierced plate/ strip
" "	"	I 3	S.F.787.805	82x27x8	? Horse shoe frag.

SITE CODE:- 450N

M2/11

OBJ. TYPE:- IRON

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe.	I 3	S.F.788.887	81x6x6	? Heckle tooth
" "	"	I 3	S.F.793.674	50x20x15	? Rod/bar frag.
" "	"	I 3	S.F.875.2177	40x33x15	Object
" "	"	I 3	S.F.889.1005	105x5x4	? Heckle tooth
" "	"	I 3	S.F.890.1005	60x5x5	? Heckle tooth fragment
" "	"	I 3	S.F.897.1005	90x8x8	? Rod/heckle tooth frag.
" "	"	I 3	S.F.911.1005	60x5x5	Rod fragment
Fig.58 No.4	"	I 3	S.F.931.1005	112x20x14	Padlock key
Not illus.	"	I 3	S.F.971.673	81x7x6	? Heckle tooth fragment
Cat.No.23b	"	I 3	S.F.1023B. 1005	88x17 ϕ	Ferrule
Not illus.	"	I 3	S.F.1023C. 1005	82x27x4	Latch frag.
" "	"	I	S.F.439.563	2 frags.	Object
Fig.58 No.5	"	I	S.F.472.66C	54x16x5	Key - incomplete
Not illus.	"	I	S.F.669.831	123x8x7	? Auger bit frag./spike
" "	"	I	S.F.1016.1150	2 frags	Rod frags.
" "	"	II 1	S.F.337.524	50x5x4	Tapering ?rod fragment
" "	"	II 1	S.F.340.524	82x27x16	Object
" "	"	II 1	S.F.344.521	59x23x5	Curved ?bar fragment
" "	"	II 1	S.F.363.576	2 frags	Objects
" "	"	II 1	S.F.369.586	70x20x10	? Bar frag.
" "	"	II 1	S.F.373.589	27x15x4	? Plate/sheet frag.
" "	"	II 1	S.F.374.525	35x23x9	? Staple
" "	"	II 1	S.F.376.581	30x25x18	? Collar frag.
" "	"	II 1	S.F.377.525	53x40x10	Staple
" "	"	II 1	S.F.390.631	96x40x20	Wedge-shaped object
Fig.60 No.31	"	II 1	S.F.392.632	128x65x12	Buckle

SITE CODE:- 45ON

M2/12

OBJ. TYPE:- IRON

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe.	II 1	S.F.416.525	57x12x8	Tapering bar/ object
" "	"	II 1	S.F.417.600	36x28x17	Pierced tapering plate/?hinge mechanism
" "	"	II 1	S.F.419.596	7 frags.	Ring frags.
" "	"	II 1	S.F.420.596	89x6x5	Rod frag.
" "	"	II 1	S.F.427.590	5x41 ϕ	Ring/collar
Fig.60 No.24	"	II 1	S.F.451.651	75x15x6	Auger bit frag.
Fig.58 No.8	"	II 1	S.F.453.1117	71x32x6	Padlock bolt
Not illus.	"	II 1	S.F.515.706	84x12x8	Tapering bar/ object
Cat. No.5a	"	II 1	S.F.529.1120	65x40x23	Key
Not illus.	"	II 1	S.F.582.1118	77x6x5	Rod fragment
" "	"	II 1	S.F.584A.671	39x27x7	? Plate/bar fragment
" "	"	II 1	S.F.584B.671	24x19x6	Hook fragment
Fig.60 No.25	"	II 1	S.F.639.799	115x7x7	Awl
Not illus.	"	II 1	S.F.659.820	123x27x12	Curved ?bar fragment
" "	"	II 1	S.F.712.712	4 frags.	? Heckle tooth fragments
" "	"	II 1	S.F.862.2148	75x19x4	Horse shoe frag.
" "	"	II 1	S.F.885.2260	3 frags.	Large ?hinge pin
" "	"	II 1	S.F.958.538	55x17 ϕ	Bar/rod frag.
" "	"	II 1	S.F.1014.1118	48x6x4	Rod fragment
" "	"	II 1	S.F.1129c.606	28x7x3	? Staple frag.
" "	"	II 1	S.F.1151.325	56x30x4	Object
" "	"	II 1	S.F.1170.771	4 frags	Object(s)
" "	"	II 1	S.F.1175.661	35x11 ϕ	Object
" "	"	II 2	S.F.1150A.325	48x27x4	Bar/plate frag.
" "	"	II 1	S.F.1184A.505	2 frags.	Rod/heckle tooth frags.
" "	"	II 1	S.F.1236.771	5 frags.	Object(s)
" "	"	II 2	S.F.47.1003	67x13x8	Bent ?bar frag.

SITE CODE:- 450N

M2/13

OBJ. TYPE:- IRON

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe.	II 2	S.F.156.1003	123x41x9	Spike/bit-twisted shaft
Fig.60 No.26	"	II 2	S.F.173.1003	76x7x2	Shears
Not illus.	"	II 2	S.F.184.1003	65x5 ϕ	Rod fragment
Fig.60 No.27	"	II 2	S.F.210.1001	115x47x5	Chain link/ hasp
Not illus.	"	II 2	S.F.236.291	Several frags	? Bar frags.
" "	"	II 2	S.F.270.291	65x30x11	? Rod/heckle tooth frag.
" "	"	II 2	S.F.271.1003	40x12x12	Object
" "	"	II 2	S.F.272.1026	55x22x8	? Chape/ ferrule
" "	"	II 2	S.F.276.1038	113x	? Wall tie/ door furniture
" "	"	II 2	S.F.287.1026	72x15x6	? Fitting - pierced head & ? twisted shaft
" "	"	II 2	S.F.293.1003	104x11x10	? Weight/ plumb bob
" "	"	II 2	S.F.296.446	30x25x23	Object
" "	"	II 2	S.F.300.455	64x30x23	Wedge-shaped object
" "	"	II 2	S.F.327.1060	107x6x6	? Rod/heckle tooth
" "	"	II 2	S.F.329.1060	103x15x14	? Rod/Bar frag.
" "	"	II 2	S.F.339.471	215x18x6	Bar fragment
" "	"	II 2	S.F.341.471	6 frags.	Object
" "	"	II 2	S.F.342.471	100x10x10	Tapering rod/ hook/spike
" "	"	II 2	S.F.345.471	95x8x8	Tapering rod/ hook/spike
" "	"	II 2	S.F.438.433	2 frags.	Object(s)
" "	"	II 2	S.F.359.564	71x22x22	? Fitting
" "	"	II 2	S.F.474.1026	2 frags.	Bent rod frag./ hook
Fig.58 No.6	"	II 2	S.F.495.1032	69x16x5	Padlock key
Not illus.	"	II 2	S.F.496.1032	30x23x10	Pierced strip fragment

SITE CODE:- 45ON

M2/14

OBJ. TYPE:- IRON

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe.	II 2	S.F.754.2030	90x30x2	Strip/bar frag.
" "	"	II 2	S.F.756.2011	17x10x14	Object
" "	"	II 2	S.F.768.2076	42x15x17	? Rod frag.
" "	"	II 2	S.F.771.2011	32x12x12	Rod/bar frag.
" "	"	II 2	S.F.772.2011	66x14x8	Pierced strip fragment
Fig.60 No.28	"	II 2	S.F.805.2092	94x29x20	Chain frag.
Not illus.	"	II 2	S.F.808.2098	53x23x13	? Stud/struct- ural element
" "	"	II 2	S.F.824.2098	90x13x10	? Rod frag.
Cat. No.28a	"	II 2	S.F.851.2134	76x18x4	Shears blade
Fig.58 No.7	"	II 2	S.F.852.2126	Several frags	Barrel padlock
Not illus.	"	II 2	S.F.1051B.453	3 frags	? Hook frag.
" "	"	II 2	S.F.1077A.291	74x31x6	Horse shoe frag.
" "	"	II 2	S.F.1077C.291	35x6x6	Rod fragment
" "	"	II 2	S.F.1224.372	49x29x5	? Bar/plate fragment
" "	"	III 1	S.F.144.116	18x11x8	Object
Fig.58 No.9	"	III 1	S.F.243.348	67x35x19	? Padlock spring
Not illus.	"	III 1	S.F.248.369	58x38x17	Bent bar/hook
Fig.58 No.10	"	III 1	S.F.250.207	55x26x7	Barrel padlock pin
Not illus.	"	III 1	S.F.273.11	137x30x22	? Bar frag.
" "	"	III 1	S.F.1062D.383	28x17x5	Object
" "	"	III 1	S.F.1066.348	88x33x13	Bar fragment
" "	"	III 1	S.F.1097.67	40x13x3	Object
" "	"	III 1	S.F.1168.417	47x37x22	Object
" "	"	III 1	S.F.1185.390	20x11x3	Object
" "	"	III 1	S.F.1207.407	22x7x4	? Ring frag.
" "	"	III 1	S.F.1221.208	80x57x22	Object
" "	"	III 1	S.F.1235.385	2 frags.	? Strap hinge fragment
" "	"	III 2	S.F.4.1	60x23x9	? Horse shoe fragment
" "	"	III 2	S.F.20.64	2x28 ϕ	Decorative object/?button

SITE CODE:- 450N

M2/15

OBJ. TYPE:- IRON

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe.	III 2	S.F.77.71	93x32x13	? Horse shoe fragment
" "	"	III 2	S.F.123.153	33x20x8	Hook
" "	"	III 2	S.F.158.2	2x27 ϕ	Ring
" "	"	III 2	S.F.176.3	54x21x15	? Pierced bar frag.
" "	"	III 2	S.F.177.1	7x27 ϕ	Ring
" "	"	III 2	S.F.179.37	107x32x23	Pierced ?bar fragment
" "	"	III 2	S.F.180.6	170x38x24	Door pin
" "	"	III 2	S.F.188.1	69x13x12	Bar/Rod frag.
" "	"	III 2	S.F.237.131	142x12 ϕ	Rod/? Heckle tooth
" "	"	III 2	S.F.240.329	176x34x10	Bar/? Door pin
" "	"	III 2	S.F.245.329	35x14x7	? Hook
" "	"	III 2	S.F.262.403	27x21x7	Object/Disc
Fig.60 No.32	"	III 2	S.F.926.241		Panel spur - incomplete
Not illus.	"	III 2	S.F.1045B.420	2 frags.	2 objects
" "	"	III 2	S.F.1068.338	2 frags.	Tapering ?bar fragment
" "	"	III 2	S.F.1084.241	51x34x24	Object
" "	"	III 2	S.F.1112B.1	40x15x8	Bar fragment
" "	"	III 2	S.F.1182.255	16x10x5	? Hook frag.
" "	"	III 2	S.F.1226.8	56x44x15	? Plate/bar fragment
" "	"	III 2	S.F.1228.8	28x27x14	Object/? hook
" "	"	III 2	S.F.1229.8	32x15x13	? Rod/hook fragment
" "	"	III 2	S.F.1231.16	63x20x8	Latch frag.
" "	"	III 2	S.F.1233A.16	62x16x3	Curved bar/ rod fragment
" "	"	III 2	S.F.1233B.16	47x25x8	? Hook/staple
" "	"	III 2	S.F.1233C.16	45x21x7	Tapering rod fragment
" "	"	III 2	S.F.1233D.16	37x32x9	? Plate/bar fragment

SITE CODE:- 450N

M2/16

OBJ. TYPE:- IRON

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe.	III 3	S.F.108.140	49x22x8	Object
" "	"	III 3	S.F.109.140	26x29x3	? Bar/collar fragment
" "	"	III 3	S.F.110.140	21x15x2	Hook
" "	"	III 3	S.F.128A.140	77x43x4	Pierced plate
" "	"	III 3	S.F.132A.140	23x17x7	Hook fragment
" "	"	III 3	S.F.132B.140	48x7 ϕ	? Rod frag.
" "	"	III 3	S.F.132C.140	2 frags.	2 objects
" "	"	III 3	S.F.133.140	39x27x4	? Plate/bar fragment
" "	"	III 3	S.F.143.158	41x14 ϕ	? Rod frag.
" "	"	III 3	S.F.185.202	110x56x10	? Door pin
" "	"	III 3	S.F.196.35	19x16x1	Object
" "	"	III 3	S.F.218.217	93x24x9	Horse shoe frag.
" "	"	III 3	S.F.1056A.227	161x16x2	Strip/bar frag.
" "	"	III	S.F.739.2008	27x17x5	Object
" "	"	III	S.F.816.2008	53x20x6	Tapering object
" "	"	III	S.F.866.2008	97x15x5	? Bar fragment
" "	"	III	S.F.947.2045	102x27x7	? Implement/ bar fragment
" "	"	III	S.F.1157.2131	56x32x6	Pierced strip/ fitting
Cat.No.28b	"	IV	S.F.220.224	215x180x45	Hammer head
Not illus.	"	IV	S.F.1032.1080	62x11x8	? Bar/rod frag.
" "	"	IV	S.F.1058.224	2 frags.	Strip/bar frag.
" "	"	U/S	S.F.186.U/S	79x13 ϕ	? Rod fragment
" "	"	U/S	S.F.189.U/S	22x13x2	Hook
" "	"	U/S	S.F.428.U/S	50x5x4	? Rod/hook frag.

SITE CODE:- 450N

M2/17

OBJ. TYPE:- IRON - KNIVES

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe.	I 2	S.F.457.1087	48x11x3	Blade - whittle tang
Fig.58 No.11	"	I 2	S.F.664.1134	72x7x3	Blade - whittle tang
Fig.58 No.12	"	I 2	S.F.364.1005	95x12x4	Blade - whittle tang
Not illus.	"	I 3	S.F.481.667	72x17x7	? Blade
" "	"	I 3	S.F.637.761	69x25x4	? Blade - ? scale tang
" "	"	I 3	S.F.640.761	95x19x4	Blade - whittle tang
" "	"	I 3	S.F.652.761	100x23x4	? Blade
Fig.58 No.13	"	I 3	S.F.710.1005	106x10x2	Blade - whittle tang
Not illus.	"	I 3	S.F.718A.805	87x12x5	Blade - whittle tang
" "	"	II 1	S.F.334.483	60x9x3	Small blade - ? shears
" "	"	II 1	S.F.367.573	Several fragments	? Large blade
Fig.59 No.14	"	II 1	S.F.429.633	153x30x7	Blade - whittle tang. Inlaid cross.
Not illus.	"	II 1	S.F.431.633	92x23x7	? Blade
" "	"	II 1	S.F.465.665	95x24x7	Blade - whittle tang
" "	"	II 1	S.F.702.712	80x23x9	? Blade frag.
" "	"	II 1	S.F.1222A.525	3 frags.	Blade - scale tang
" "	"	II 2	S.F.268.291	3 frags.	Handle - ? large knife
" "	"	II 2	S.F.562.471	3 frags.	? small blade fragments
Fig.59 No.15	"	II 2	S.F.854.2126	132x19xc3	Blade - scale tang - cutler's mark
Not illus.	"	II 2	S.F.857.2145	42x35x10	? Blade tip
" "	"	II 2	S.F.964.502	2 frags.	Blade - scale tang - collar between blade and tang

SITE CODE:- 45ON

M2/18

OBJ. TYPE:- IRON - KNIVES

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe/Cu.Alloy Wood	III 2	S.F.151.166	43x13x5	Composite ?knife handle fragment
" "	" " "	III 2	S.F.152.166	44x15x8	Composite knife handle fragment
" "	" " "	III 2	S.F.163.8	63x14x5	Composite ?knife handle fragment
" "	Fe.	III 2	S.F.168.3	22x21x3	?Blade frag.
" "	Fe/Cu.Alloy Wood	III 2	S.F.201.214	70x10x8	Composite ?knife handle fragment
" "	Fe.	III 2	S.F.202.214	38x12x4	Blade - ?whittle tang
" "	"	III 2	S.F.203.214	15x12 ϕ	?handle frag.
" "	Fe/wood	III 2	S.F.204.214	83x10x8	Composite knife handle fragment
" "	Fe.	III 2	S.F.206.214	55x17x6	?Blade frag.
" "	"	III 2	S.F.247.329	2 frags.	Blade frags.
" "	Fe/wood	III 2	S.F.251.329	2 frags.	2 composite ?knife handle fragment - one with textile impression
" "	Fe.	III 2	S.F.253B/C.329	82x16x4	Blade - ?scale tang
" "	"	III 2	S.F.1225.8	2 frags.	Blade - whittle tang
" "	"	III 2	S.F.1230.8	27x15x6	Blade frag. - cutler's mark
" "	"	III 3	S.F.93.114	78x25x10	?Blade frag.
" "	Fe/Cu.Alloy wood	III 3	S.F.107.140	74x17x6	Blade - scale tang - composite handle
Fig.59 No.16	Fe/Cu.Alloy	III 3	S.F.723.2004	3 frags.	Blade - scale tang - non- ferrous features

SITE CODE:- 450N

M2/19

OBJ. TYPE:- IRON - KNIVES

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fe/Cu.Alloy	III 3	S.F.1153.2125	27x19x5	? Blade frags.
Fig.59 No.17	Fe/Wood	U/S	S.F.1243.U/S	113x19 ϕ	Blade - whittle tang - wood handle

SITE CODE:- 45ON

M2/20

CLENCH BOLTS

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH AND SECTION OF SHAFT	NOTES
Not illus.	Iron	I 1	S.F.1156.1175	Rove only	Square/rectangular rove
" "	"	I 2	S.F.697.1158	c.17mm ?	1 lozenge; 1 ?round rove
" "	"	I 2	S.F.1238.906	Rove only	Lozenge shaped rove
" "	"	I 3	S.F.503.674	Rove only	Lozenge shaped rove
" "	"	I 3	S.F.508.689	9mm ?	1 ?Lozenge; 1 round rove
" "	"	I 3	S.F.550.674	? ?	1 ?Lozenge; 1 square rove
" "	"	I 3	S.F.648.805	40mm square	1 lozenge; 1 round rove
" "	"	I	S.F.381.567	32mm square	1 square; 1 round rove
" "	"	I	S.F.438.563	c.17mm ?	2 ?round roves
" "	"	II 1	S.F.375.581	Rove only	1 lozenge rove
" "	"	II 1	S.F.762.926	c.23mm ?	1 square rove
" "	"	II 1	S.F.791A.575	32mm ?	1 Lozenge; 1 round rove
" "	"	II 1	S.F.791B.575	55mm ?	2 ?round roves
" "	"	II 1	S.F.908.525	40mm sq.	1 lozenge; 1 round rove
" "	"	II 1	S.F.1159.737	22mm ?	1 lozenge; 1 round rove
" "	"	II 2	S.F.368.1060	34mm sq.	1 lozenge; 1 round rove
" "	"	II 2	S.F.753.2054	44mm ?	1 square; 1 ?round rove
" "	"	II 2	S.F.806.2098	c.22m sq.	1 lozenge; 1 round rove
" "	"	II 2	S.F.810.2098	15mm ?	1 lozenge; 1 round rove
" "	"	II 2	S.F.910.496	c.24mm ?	
" "	"	II 2	S.F.1154.2098	Rove only	Lozenge shaped rove
" "	"	II 2	S.F.1155.2041	c.35mm sq.	
" "	"	III 1	S.F.260.388	Rove only	Lozenge shaped rove
" "	"	III 1	S.F.1107A.66	Rove only	Lozenge shaped rove
" "	"	III 2	S.F.198.3	Rove only	Lozenge shaped rove

SITE CODE:- 45CN

M2/21

NAILS etc.

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	I 1	S.F.440.1110	91	15 ϕ	
" "	"	I 1	S.F.580.1133	Incomplete		? Nail
" "	"	I 1	S.F.638.1145	89	25 ϕ	
" "	"	I 1	S.F.894.1193	135	27 ϕ	
" "	"	I 1	S.F.963.1131	Incomplete		
" "	"	I 1	S.F.965.1095	"		
" "	"	I 1	S.F.980A.1093	48	19 ϕ	
" "	"	I 1	S.F.980B.1093	Incomplete		
" "	"	I 1	S.F.1020.1140	"		
" "	"	I 2	S.F.462.531	"		
" "	"	I 2	S.F.651.1148	"		
" "	"	I 2	S.F.685.1148	80	9 ϕ	
" "	"	I 2	S.F.699.1158	Incomplete		
" "	"	I 2	S.F.774.1096	"		
" "	"	I 2	S.F.820.1143	"		
" "	"	I 2	S.F.833.1134	"		
" "	"	I 2	S.F.978.721	52	32 ϕ	
" "	"	I 2	S.F.1018.1159	c.32	13 ϕ	
" "	"	I 2	S.F.1021.1148	3 incomplete		
" "	"	I 2	S.F.1022.1096	Incomplete		
" "	"	I 2	S.F.1043A.531	2 incomplete		
" "	"	I 2	S.F.1043B.531	47	15 ϕ	
" "	"	I 2	S.F.1119.957	Incomplete		
" "	"	I 2	S.F.1148.919	"		
" "	"	I 2	S.F.1149.907	2 incomplete		
" "	"	I 3	S.F.384.1005	Incomplete		
" "	"	I 3	S.F.479.673	"		
" "	"	I 3	S.F.502.673	2 incomplete		
" "	"	I 3	S.F.506.674	Incomplete		
" "	"	I 3	S.F.537.673	48	13 ϕ	
" "	"	I 3	S.F.583.673	60	23 ϕ	
" "	"	I 3	S.F.627.761	81	27 ϕ	
" "	"	I 3	S.F.649.815	Incomplete		

SITE CODE:- 45ON

M2/22

NAILS etc.

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	I 3	S.F.781.3034	58	24 ϕ	
" "	"	I 3	S.F.786.805	Incomplete		
" "	"	I 3	S.F.865.2177	84	10x14	
" "	"	I 3	S.F.869.1005	Incomplete		
" "	"	I 3	S.F.874.2173	89	41x42	
" "	"	I 3	S.F.880.1005	137	34 ϕ	
" "	"	I 3	S.F.888A.1005	35	13 ϕ	
" "	"	I 3	S.F.888B.1005	72	10x8	
" "	"	I 3	S.F.888C.1005	80	19 ϕ	
" "	"	I 3	S.F.888D.1005	101	19 ϕ	
" "	"	I 3	S.F.888E.1005	68	18 ϕ	
" "	"	I 3	S.F.888F.1005	41	15 ϕ	
" "	"	I 3	S.F.888G.1005	85	18 ϕ	
" "	"	I 3	S.F.888H.1005	5 incomplete		
" "	"	I 3	S.F.925.1005	Incomplete		
" "	"	I 3	S.F.933.2192	c.70	25 ϕ	
" "	"	I 3	S.F.1023.1005	Incomplete		
" "	"	I 3	S.F.1101.31	Incomplete		
" "	"	I 3	S.F.1124A.761	3 incomplete		
" "	"	I 3	S.F.1124B.761	83	20 ϕ	
" "	"	I 3	S.F.1126A.751	Incomplete		
" "	"	I 3	S.F.1126B.751	60	22 ϕ	
" "	"	I 3	S.F.1128.697	Incomplete		
" "	"	I 3	S.F.1130.673	"		
" "	"	I 3	S.F.1131.667	"		
" "	"	I 3	S.F.1141A.805	4 incomplete		
" "	"	I 3	S.F.1141B.805	58	23 ϕ	
" "	"	I 3	S.F.1143.988	41	14 ϕ	
" "	"	I 3	S.F.1146.857	Incomplete		
" "	"	I 3	S.F.1147A.889	2 incomplete		
" "	"	I 3	S.F.1147B.889	36	21 ϕ	
" "	"	I 3	S.F.1234.805	Incomplete		?Nail
" "	"	I	S.F.434.563	"		

SITE CODE:- 450N

M2/23

NAILS etc.

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	I	S.F.674.859	Incomplete		
" "	"	I	S.F.676.859	"		
" "	"	I	S.F.960.3043	"		
" "	"	I	S.F.1075.3079	"		
" "	"	II 1	S.F.319.13	66	30 ϕ	
" "	"	II 1	S.F.326.13	74	24 ϕ	
" "	"	II 1	S.F.358.560	Incomplete		
" "	"	II 1	S.F.371.586	"		
" "	"	II 1	S.F.379.606	"		
" "	"	II 1	S.F.396.632	"		
" "	"	II 1	S.F.397.633	"		
" "	"	II 1	S.F.412.525	42	17x7	'D' Head
" "	"	II 1	S.F.414.525	Incomplete		
" "	"	II 1	S.F.418.633	47	14 ϕ	
" "	"	II 1	S.F.425.641	41	25 ϕ	Nail/bolt
" "	"	II 1	S.F.432.653	Incomplete		
" "	"	II 1	S.F.445.651	"		
" "	"	II 1	S.F.446.651	"		
" "	"	II 1	S.F.490.1120	"		? Nail
" "	"	II 1	S.F.549.719	"		
" "	"	II 1	S.F.567.719	"		
" "	"	II 1	S.F.591.771	"		
" "	"	II 1	S.F.614.771	"		? Nail
" "	"	II 1	S.F.724.836	50	24 ϕ	Shaft one side of head
" "	"	II 1	S.F.741.926	56	23 ϕ	
" "	"	II 1	S.F.796.1117	Incomplete		'D' head
" "	"	II 1	S.F.883.2260	"		
" "	"	II 1	S.F.884.2260	"		
" "	"	II 1	S.F.896.491	2 incomplete		
" "	"	II 1	S.F.907.2277	Incomplete		
" "	"	II 1	S.F.912.497	32	16 ϕ	
" "	"	II 1	S.F.915.2305	c.52	13 ϕ	

SITE CODE:- 45ON

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NAILS etc.

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	II 1	S.F.927.2277	63	28 ϕ	
" "	"	II 1	S.F.932.2311	61	26x25	
" "	"	II 1	S.F.956.2250	43	26 ϕ	
" "	"	II 1	S.F.957.2253	47	22 ϕ	
" "	"	II 1	S.F.961A.926	51	25 ϕ	
" "	"	II 1	S.F.961B.926	47	20 ϕ	
" "	"	II 1	S.F.966.524	Incomplete		
" "	"	II 1	S.F.967.517	62	25 ϕ	
" "	"	II 1	S.F.969.590	47	25 ϕ	
" "	"	II 1	S.F.970A.525	43	15 ϕ	
" "	"	II 1	S.F.970B.525	47	20 ϕ	Shaft one side of head
" "	"	II 1	S.F.973.664	37	23x14	'D' head
" "	"	II 1	S.F.974.574	Incomplete		
" "	"	II 1	S.F.977.561	42	11 ϕ	
" "	"	II 1	S.F.1003.2179	Incomplete		
" "	"	II 1	S.F.1004.2160	"		? Nail shaft
" "	"	II 1	S.F.1019.1132	"		
" "	"	II 1	S.F.1037.524	35	13 ϕ	
" "	"	II 1	S.F.1039.581	Incomplete		
" "	"	II 1	S.F.1046.490	"		? Nail
" "	"	II 1	S.F.1086.575	"		? Nail shaft
" "	"	II 1	S.F.1108.774	86	23 ϕ	
" "	"	II 1	S.F.1111.772	Incomplete		
" "	"	II 1	S.F.1117.926	"		
" "	"	II 1	S.F.1122.13	3 Incomplete		
" "	"	II 1	S.F.1127.712	2 Incomplete		
" "	"	II 1	S.F.1129A.606	5 Incomplete		
" "	"	II 1	S.F.1129B.606	28	16 ϕ	
" "	"	II 1	S.F.1132.633	Incomplete		
" "	"	II 1	S.F.1133.651	3 Incomplete		
" "	"	II 1	S.F.1134.632	Incomplete		

SITE CODE:- 450N

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NAILS etc.

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	II 1	S.F.1135.613	Incomplete		
" "	"	II 1	S.F.1137.626	"		
" "	"	II 1	S.F.1138.631	"		
" "	"	II 1	S.F.1140.780	34	12 ϕ	
" "	"	II 1	S.F.1142.998	Incomplete		
" "	"	II 1	S.F.1145.836	"		
" "	"	II 1	S.F.1150.325	38	16 ϕ	
" "	"	II 1	S.F.1171.665	24	18x7	'D' Head
" "	"	II 1	S.F.1178.582	Incomplete		
" "	"	II 1	S.F.1184B.505	"		
" "	"	II 1	S.F.1239.641	"		
" "	"	II 1	S.F.1240A.13	48	15 ϕ	
" "	"	II 1	S.F.1240B.13	2 Incomplete		
" "	"	II 2	S.F.58.1003	58	17 ϕ	
" "	"	II 2	S.F.60.1003	Incomplete		? Nail
" "	"	II 2	S.F.209.1004	"		? Nail
" "	"	II 2	S.F.211.1003	"		? Nail
" "	"	II 2	S.F.238.291	"		? Nail
" "	"	II 2	S.F.291.1045	"		
" "	"	II 2	S.F.311.433	"		? Nail
" "	"	II 2	S.F.312.453	2 Incomplete		? Nail
" "	"	II 2	S.F.330.1060	Incomplete		? Nail
" "	"	II 2	S.F.360.564	77	16 ϕ	
" "	"	II 2	S.F.387.1026	Incomplete		? Nail
" "	"	II 2	S.F.408.1098	"		
" "	"	II 2	S.F.539.738	"		
" "	"	II 2	S.F.732.2032	"		
" "	"	II 2	S.F.744.2039	"		
" "	"	II 2	S.F.747.2037	49	18 ϕ	
" "	"	II 2	S.F.751.2037	Incomplete		
" "	"	II 2	S.F.756.2037	"		
" "	"	II 2	S.F.757.2037	82	17 ϕ	
" "	"	II 2	S.F.758.2063	72	17 ϕ	

SITE CODE:- 450N

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NAILS etc

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	II 2	S.F.777.2011	Incomplete		
" "	"	II 2	S.F.778.2011	"		
" "	"	II 2	S.F.804.2098	"		
" "	"	II 2	S.F.811.2098	"		? Nail
" "	"	II 2	S.F.821.2098	40	17 ϕ	
" "	"	II 2	S.F.822.2098	Incomplete		
" "	"	II 2	S.F.827.2098	"		
" "	"	II 2	S.F.828.2098	"		
" "	"	II 2	S.F.830.2057	"		
" "	"	II 2	S.F.831.2057	"		
" "	"	II 2	S.F.832.2057	"		
" "	"	II 2	S.F.835.2057	"		
" "	"	II 2	S.F.836.2057	63	17 ϕ	
" "	"	II 2	S.F.839.2057	Incomplete		
" "	"	II 2	S.F.843.2098	"		'D' Head
" "	"	II 2	S.F.856.2146	"		
" "	"	II 2	S.F.858.2147	"		
" "	"	II 2	S.F.859.2141	"		
" "	"	II 2	S.F.861.2142	"		
" "	"	II 2	S.F.863.2142	"		? Nail
" "	"	II 2	S.F.892.2271	"		
" "	"	II 2	S.F.953.2271	"		? Nail
" "	"	II 2	S.F.968.552	59	28 ϕ	
" "	"	II 2	S.F.981A.2098	35	17 ϕ	
" "	"	II 2	S.F.981B.2098	42	17 ϕ	
" "	"	II 2	S.F.981C.2098	33	21x10	'D' Head
" "	"	II 2	S.F.981D.2098	2 Incomplete		
" "	"	II 2	S.F.982A.2037	85	22 ϕ	
" "	"	II 2	S.F.982B.2037	3 Incomplete		
" "	"	II 2	S.F.983A.2011	57	16 ϕ	
" "	"	II 2	S.F.983B.2011	2 Incomplete		
" "	"	II 2	S.F.985.2057	2 Incomplete		
" "	"	II 2	S.F.986.2057	2 Incomplete		

SITE CODE:- 450N

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NAILS etc

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	II 2	S.F.989.2055	Incomplete		
" "	"	II 2	S.F.990.2054	3 Incomplete		
" "	"	II 2	S.F.1000.2103	3 Incomplete		
" "	"	II 2	S.F.1001.2103	Incomplete		? Nail
" "	"	II 2	S.F.1002.2270	Incomplete		
" "	"	II 2	S.F.1026.1003	35	15 across head	l.D. from X-ray
" "	"	II 2	S.F.1027A.1003	53	16 ϕ	
" "	"	II 2	S.F.1027B.1003	2 Incomplete		
" "	"	II 2	S.F.1028.1003	95	16 ϕ	
" "	"	II 2	S.F.1034A.1060	57	23 ϕ	
" "	"	II 2	S.F.1034B.1060	60	18 ϕ	
" "	"	II 2	S.F.1034C.1060	3 Incomplete		
" "	"	II 2	S.F.1036.1004	2 Incomplete		
" "	"	II 2	S.F.1038.471	Incomplete		
" "	"	II 2	S.F.1041.455	62	20 ϕ	
" "	"	II 2	S.F.1042.548	Incomplete		
" "	"	II 2	S.F.1044.425	4 Incomplete		
" "	"	II 2	S.F.1048.502	25	15 ϕ	
" "	"	II 2	S.F.1049.480	Incomplete		
" "	"	II 2	S.F.1050.564	At least 3 incomplete		
" "	"	II 2	S.F.1051A.453	At least 2 incomplete		
" "	"	II 2	S.F.1052.468	Incomplete		
" "	"	II 2	S.F.1053.446	Incomplete		
" "	"	II 2	S.F.1054.441	Incomplete		? Nail
" "	"	II 2	S.F.1057.440	67	21 ϕ	
" "	"	II 2	S.F.1064A.371	33	22x7	'D' Head
" "	"	II 2	S.F.1064B.371	Incomplete		
" "	"	II 2	S.F.1076A.433	38	15 ϕ	
" "	"	II 2	S.F.1076B.433	45	16 ϕ	
" "	"	II 2	S.F.1076C.433	83	23 ϕ	
" "	"	II 2	S.F.1076D.433	At least 7 incomplete		

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NAILS etc

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	II 2	S.F.1077B.291	Incomplete		
" "	"	II 2	S.F.1078.291	3 incomplete		
" "	"	II 2	S.F.1079.291	3 incomplete		
" "	"	II 2	S.F.1136.625	Incomplete		? Nail
" "	"	II 2	S.F.1158A.1026	68	14 ϕ	
" "	"	II 2	S.F.1158B.1026	58	11 ϕ	
" "	"	III 1	S.F.140.116	38	15 ϕ	
" "	"	III 1	S.F.241.5	74	25 ϕ	
" "	"	III 1	S.F.244.348	Incomplete		? Nail
" "	"	III 1	S.F.249.234	At least 1 incomplete		
" "	"	III 1	S.F.252.378	Incomplete		
" "	"	III 1	S.F.257.207	70	10x11	
" "	"	III 1	S.F.901.228	Incomplete		
" "	"	III 1	S.F.909.418	Incomplete		
" "	"	III 1	S.F.1040.465	Incomplete		
" "	"	III 1	S.F.1047.416	52	15 ϕ	
" "	"	III 1	S.F.1061A.388	34	13 ϕ	Shaft one side of head
" "	"	III 1	S.F.1061B.388	4 Incomplete		
" "	"	III 1	S.F.1062A.383	52	17 ϕ	
" "	"	III 1	S.F.1062B.383	35	15 ϕ	
" "	"	III 1	S.F.1062C.383	Incomplete		
" "	"	III 1	S.F.1063.373	Incomplete		
" "	"	III 1	S.F.1065.349	At least 2 incomplete		
" "	"	III 1	S.F.1067A.348	32	11 ϕ	
" "	"	III 1	S.F.1067B.348	75	19 ϕ	
" "	"	III 1	S.F.1067C.348	Incomplete		
" "	"	III 1	S.F.1091A.116	47	14 ϕ	
" "	"	III 1	S.F.1091B.116	Incomplete		
" "	"	III 1	S.F.1098.67	Incomplete		
" "	"	III 1	S.F.1104.173	At least 2 incomplete		

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NAILS etc

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	III 1	S.F.1107A.66	Incomplete		? Nail
" "	"	III 1	S.F.1114.5	At least 7 incomplete		
" "	"	III 1	S.F.1176.11	3 incomplete		
" "	"	III 1	S.F.1223.417	Incomplete		
" "	"	III 2	S.F.21.68	59	27 ϕ	
" "	"	III 2	S.F.62.79	Incomplete		? Nail
" "	"	III 2	S.F.63.80	53	15 ϕ	
" "	"	III 2	S.F.65.80	Incomplete		? Nail
" "	"	III 2	S.F.67.79	Incomplete		
" "	"	III 2	S.F.79.92	25	21 ϕ	
" "	"	III 2	S.F.82.101	59	14 ϕ	
" "	"	III 2	S.F.99.80	Incomplete		? Nail
" "	"	III 2	S.F.118.1	Incomplete		? Nail
" "	"	III 2	S.F.124.154	55	15 ϕ	
" "	"	III 2	S.F.150.143	Incomplete		
" "	"	III 2	S.F.167.130	Incomplete		? Nail
" "	"	III 2	S.F.174.178	Incomplete		? Nail
" "	"	III 2	S.F.193A.210	46	18 ϕ	
" "	"	III 2	S.F.193B.210	3 Incomplete		
" "	"	III 2	S.F.214.1	60	14 ϕ	
" "	"	III 2	S.F.215.1	65	14 ϕ	
" "	"	III 2	S.F.216.1	Incomplete		
" "	"	III 2	S.F.222.187	Incomplete		
" "	"	III 2	S.F.235.307	75	25 ϕ	
" "	"	III 2	S.F.253.329	75	15 ϕ	
" "	"	III 2	S.F.254.364	Incomplete		
" "	"	III 2	S.F.255.364	Incomplete		
" "	"	III 2	S.F.263.328	Incomplete		
" "	"	III 2	S.F.275.420	Incomplete		
" "	"	III 2	S.F.1045.420	2 incomplete		
" "	"	III 2	S.F.1069.338	2 incomplete		
" "	"	III 2	S.F.107L.331	At least 1 incomplete		? Nail (S)

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NAILS etc

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	III 2	S.F.1071A.329	53	19 ϕ	
" "	"	III 2	S.F.1071B.329	35	15 ϕ	
" "	"	III 2	S.F.1071C.329	85	15 ϕ	
" "	"	III 2	S.F.1071D.329	At least 9 incomplete		
" "	"	III 2	S.F.1072A.315	52	17 ϕ	
" "	"	III 2	S.F.1072B.315	69	14 ϕ	
" "	"	III 2	S.F.1072C.315	64	21 ϕ	
" "	"	III 2	S.F.1072D.315	3 Incomplete		
" "	"	III 2	S.F.1073.309	Incomplete		
" "	"	III 2	S.F.1074.297	5 Incomplete		
" "	"	III 2	S.F.1080.290	2 Incomplete		
" "	"	III 2	S.F.1082.275	At least 3 incomplete		
" "	"	III 2	S.F.1083.257	At least 3 incomplete		
" "	"	III 2	S.F.1085.241	Incomplete		
" "	"	III 2	S.F.1087.154	39	13 ϕ	
" "	"	III 2	S.F.1093.80	At least 3 incomplete		
" "	"	III 2	S.F.1094.75	55	16 ϕ	
" "	"	III 2	S.F.1095.143	Incomplete		
" "	"	III 2	S.F.1096.71	2 incomplete		
" "	"	III 2	S.F.1099.166	At least 4 incomplete		
" "	"	III 2	S.F.1106.169	46	15 ϕ	
" "	"	III 2	S.F.1109.57	2 incomplete		
" "	"	III 2	S.F.1110A.178	51	c.18 ϕ	
" "	"	III 2	S.F.1110B.178	Incomplete		
" "	"	III 2	S.F.1112A.1	At least 7 incomplete		
" "	"	III 2	S.F.1113A.3	At least 6 incomplete		
" "	"	III 2	S.F.1113B.3	39	20 ϕ	
" "	"	III 2	S.F.1121A.8	51	12 ϕ	

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NAILS etc

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	III 2	S.F.1121B.8	40	12 ϕ	
" "	"	III 2	S.F.1121C.8	72	18 ϕ	
" "	"	III 2	S.F.1121D.8	4 incomplete		
" "	"	III 2	S.F.1123A.176	80	15 ϕ	
" "	"	III 2	S.F.1123B.176	70	16 ϕ	
" "	"	III 2	S.F.1123C.176	2 incomplete		
" "	"	III 2	S.F.1125A.16	50	13 ϕ	
" "	"	III 2	S.F.1125B.16	41	10 ϕ	
" "	"	III 2	S.F.1125C.16	25	8 ϕ	
" "	"	III 2	S.F.1125D.16	40	18 ϕ	
" "	"	III 2	S.F.1125E.16	40	19 ϕ	
" "	"	III 2	S.F.1125F.16	59	13 ϕ	
" "	"	III 2	S.F.1125G.16	At least 19 incomplete		
" "	"	III 2	S.F.1177.2	Incomplete		? Nail
" "	"	III 2	S.F.1186.193	Incomplete		? Nail
" "	"	III 2	S.F.1216.37	Incomplete		
" "	"	III 2	S.F.1227.8	Incomplete		? Nail
" "	"	III 2	S.F.1232.16	Incomplete		? Nail
" "	"	III 3	S.F.18.59	At least 1 incomplete		
" "	"	III 3	S.F.30.33	Incomplete		
" "	"	III 3	S.F.87.114	Incomplete		? Nail
" "	"	III 3	S.F.89.114	Incomplete		
" "	"	III 3	S.F.90.114	68	12 ϕ	
" "	"	III 3	S.F.95.114	Incomplete		
" "	"	III 3	S.F.98.113	Incomplete		
" "	"	III 3	S.F.147.158	Incomplete	32 ϕ	? Nail head
" "	"	III 3	S.F.987.2024	2 incomplete		
" "	"	III 3	S.F.1056B.227	2 incomplete		
" "	"	III 3	S.F.1059A.216	72	23 ϕ	
" "	"	III 3	S.F.1059B.216	65	17 ϕ	
" "	"	III 3	S.F.1059C.216	2 incomplete		

SITE CODE:- 45ON

M2/32

NAILS etc

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	III 3	S.F.1081.279	Incomplete		
" "	"	III 3	S.F.1088.158	Incomplete		
" "	"	III 3	S.F.1089A.146	38	23x12	'D' head
" "	"	III 3	S.F.1089B.146	38	11 ϕ	
" "	"	III 3	S.F.1089C.146	39	11 ϕ	
" "	"	III 3	S.F.1090.117	5 incomplete		
" "	"	III 3	S.F.1092.113	2 incomplete		
" "	"	III 3	S.F.1100.47	Incomplete		
" "	"	III 3	S.F.1102.48	Incomplete		
" "	"	III 3	S.F.1103.32	Incomplete		
" "	"	III 3	S.F.1105.56	42	15 ϕ	
" "	"	III 3	S.F.1115A.33	58	19 ϕ	
" "	"	III 3	S.F.1115B.33	40	17 ϕ	
" "	"	III 3	S.F.1115C.33	At least 6 incomplete		
" "	"	III 3	S.F.1116A.140	68	13 ϕ	
" "	"	III 3	S.F.1116B.140	54	18 ϕ	
" "	"	III 3	S.F.1116C.140	65	17 ϕ	
" "	"	III 3	S.F.1116D.140	77	18 ϕ	
" "	"	III 3	S.F.1116E.140	31	12 ϕ	
" "	"	III 3	S.F.1116F.140	33	14 ϕ	
" "	"	III 3	S.F.1116G.140	At least 5 incomplete		
" "	"	III 3	S.F.1118.7	At least 5 incomplete		
" "	"	III 3	S.F.1139.63	At least 2 incomplete		
" "	"	III 3	S.F.1188.123	Incomplete		? Nail
" "	"	III	S.F.8.1001	46	15 ϕ	
" "	"	III	S.F.740.2008	Incomplete		
" "	"	III	S.F.984A.2008	53	19 ϕ	
" "	"	III	S.F.984B.2008	40	14 ϕ	
" "	"	III	S.F.984C.2008	5 incomplete		
" "	"	III	S.F.988.2043	Incomplete		

SITE CODE:- 450N

M2/33

NAILS etc

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	LENGTH OVERALL in mm	HEAD DIMENSIONS in mm	NOTES
Not illus.	Fe.	III	S.F.1035.1058	Incomplete		
" "	"	IV	S.F.1058A.224	53	12 ϕ	
" "	"	IV	S.F.1058B.224	68	25 ϕ	
" "	"	IV	S.F.1058C.224	3 incomplete		

SITE CODE:- 45ON

M2/34

OBJ. TYPE:- HONES AND POLISHING STONES

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Cat.No.2a	Tourmaline-bearing sandstone	I 1	S.F.802.1154	33x26x24	Hone
Fig.61 No.1	Norwegian Ragstone	I 2	S.F.399.1087	51x21x21	Hone
Cat.No.2b	Purple phyllite	I 3	S.F.492.1005	48x11x7	Hone
Not illus.	Iron-bearing claystone	I 3	S.F.736.667	66x45x12	
Cat.No.1a	Norwegian Ragstone	I 3	S.F.881.1005	63x29x9	Hone
Cat.No.1b	" "	I 3	S.F.886.1005	66x16x9	Hone
Cat.No.2c	Blue phyllite	I 3	S.F.887.1005	57x10x11	Hone
Cat.No.1c	Norwegian Ragstone	II 1	S.F.328.470	53x17x7	Hone
Not illus.	" "	II 1	S.F.547.1118	94x19x17	Hone
" "	" "	II 1	S.F.605.780	124x33x13	Hone
Cat.No.2d	Quartz carbonate	II 1	S.F.662.664	108x103x13	Slab
Not illus.	Norwegian Ragstone	II 1	S.F.952.2250	110x43x9	Hone
" "	? Spilsby Sandstone	II 1	S.F.954.517	3 frags.	
Cat.No.1d	Norwegian Ragstone	II 2	S.F.316.453	77x21x9	Hone (joins with S.F. 323)
Cat.No.1d	" "	II 2	S.F.323.440	25x20x8	Hone (joins with S.F.316)
Fig.61 No.2	" "	II 2	S.F.382.620	120x20x6	Hone
Not illus.	" "	II 2	S.F.817.2079	47x12x6	Hone
" "	" "	II 2	S.F.819.2098	3 frags.	Hone
" "	" "	II 2	S.F.847.2057	46x20x3	Hone

SITE CODE:- 45ON

M2/35

OBJ. TYPE:- STONE

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Cat.No.2f	Spanny limestone (Marble)	II 1	S.F.433.633	140x90x20	Slab fragment
Cat.No.2g	Cherty limestone	II 1	S.F.442.592	64x25x39	?Lamp/crucible fragment
Fig.61 No.3	" "	II 1	S.F.485.1120	14x32 ϕ	Spindle whorl
Fig.61 No.4	" "	II 1	S.F.491.1120	21x34 ϕ	Spindle whorl
Fig.62 No.5	" "	II 2	S.F.362.564	160x35x90	Lamp/crucible fragment
Fig.62 No.6	Wealdon/Purbeck marble	III 3	S.F.224.143	110x68x38	Mortar fragment

SITE CODE:- 45ON

M2/36

OBJ. TYPE:- LAVA FRAGMENTS

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Stone	I 1	S.F.949.1043	36x34x30	
" "	"	I 2	S.F.818.1143	180x98x64	Part of central pivot hole survives
" "	"	I 3	S.F.304.44	51x48x29	
" "	"	I 3	S.F.306.1005	67x57x19	
" "	"	I 3	S.F.423.1005	84x46x65	
" "	"	I 3	S.F.449.1005	77x30x60	
" "	"	I 3	S.F.541.741	60x53x32	
" "	"	I 3	S.F.556.602	70x37x22	
" "	"	I 3	S.F.681.761	60x33x23	
" "	"	I 3	S.F.694.1005	70x62x44	
" "	"	I 3	S.F.726.674	39x35x18	
" "	"	I 3	S.F.850.1005	125x76x17	
" "	"	I 3	S.F.871.1005	30x25x5	
" "	"	I 3	S.F.878.1005	2 frags.	
" "	"	I 3	S.F.900.602	32x27x30	
" "	"	I 3	S.F.921.2281	110x60x35	
" "	"	I 3	S.F.948.2369	86x44x20	
" "	"	I 3	S.F.951.832	20x20x13	
" "	"	I 3	S.F.1209.690	24x17x14	
" "	"	I	S.F.923.553	65x45x30	
" "	"	II 1	S.F.324.473	43x26x32	
" "	"	II 1	S.F.357.524	53x26x15	
" "	"	II 1	S.F.478.1120	83x86x35	
" "	"	II 1	S.F.518.574	68x50x30	
" "	"	II 1	S.F.552.13	2 frags.	
" "	"	II 1	S.F.844.926	90x53x57	
" "	"	II 1	S.F.899.926	55x50x38	
" "	"	II 1	S.F.906.13	2 frags.	
" "	"	II 2	S.F.299.455	86x55x45	
" "	"	II 2	S.F.302.1003	110x62x38	
" "	"	II 2	S.F.309.440	36x23x28	
" "	"	II 2	S.F.332.453	36x23x30	
" "	"	II 2	S.F.343.471	100x52x21	

SITE CODE:- 45ON

M2/37

OBJ. TYPE:- LAVA FRAGMENTS

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Stone	II 2	S.F.797.2101	36x24x12	
" "	"	II 2	S.F.803.425	54x45x33	
" "	"	II 2	S.F.846.2101	36x24x10	
" "	"	II 2	S.F.929.455	2 frags.	
" "	"	II 2	S.F.950.558	41x37x17	
" "	"	III 2	S.F.303.315	27x18x4	
" "	"	III 2	S.F.305.166	57x40x26	

SITE CODE:- 450N
 OBJ. TYPE:- GLASS

M2/38

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Cat.No.2a	Glass	I 1	S.F.945.1095	3.5x3 ϕ	Bead
Cat.No.lb	"	I 2	S.F.898.3068	3 frags	
Not illus.	"	I 3	S.F.44.1005	14x12x4	? Vessel glass
" "	"	I 3	S.F.137.38	57x34x4	Vessel glass
" "	"	I 3	S.F.161.1005	34x24x3	? Vessel glass
" "	"	I 3	S.F.564.690	25x8x4	Decorated vessel glass
" "	"	I 3	S.F.924.602	32x21x4	Vessel glass
" "	"	I 3	S.F.1244.675	27x18x5	Vessel glass
" "	"	II 1	S.F.261.325	46x33x5	Vessel glass
" "	"	II 1	S.F.526.712	27x9x4	Decorated vessel glass
" "	"	II 1	S.F.727.525	11x8x2	? Window glass
" "	"	II 1	S.F.944.719	4x2.5 ϕ	Bead
" "	"	II 2	S.F.54.1003	21x22x1.5	? Window glass
" "	"	II 2	S.F.190.1003	32x27x15	? Burnt glass
Cat.No.lc	"	II 2	S.F.266.291	3 frags	
Cat.No.la	"	II 2	S.F.385.624	2 frags	Decorated ?vessel glass
Not illus.	"	II 2	S.F.789.2011	17x14x2	Window glass
" "	"	II 2	S.F.840.2092	19x14x5	Fragment
" "	"	III 1	S.F.688.348	51x16x0.5	Vessel glass
" "	"	III 3	S.F.149.113	10x12x1	? Window glass
" "	"	III 3	S.F.212.217	34x57 ϕ	Vessel glass
" "	"	III 3	S.F.307.218	36x27x2.5	? Window glass
" "	"	III 3	S.F.728.2003	2 frags.	? Vessel glass
" "	"	III 3	S.F.729.2024	Several frags	Window glass
" "	"	III 3	S.F.730.2024	4 frags.	Window glass
Fig.63.No2	"	U/S	S.F.164.U/S	40x37x3	Painted window glass
Not illus.	"	U/S	S.F.165.U/S	2 frags.	Window glass
" "	"	U/S	S.F.784.U/S	Several frags	Vessel glass

SITE CODE:- 450N

M2/39

OBJ. TYPE:- TILE AND BURNT CLAY

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Cat.No.2b	Fired clay	I 1	S.F.576.1133	70x53x20	Heavily burnt structural clay - ash glaze
Not illus.	" "	I 1	S.F.689.1145	57x55x22	? Roman tile frag.
" "	" "	I 1	S.F.873.1137	24x17x15	Heavily burnt structural clay - ash glaze
Cat.No.2c	" "	I 1	S.F.972.1197	76x75x39	Heavily burnt structural clay - ash glaze
Not illus.	" "	I 2	S.F.780.907	2 frags.	? Roman bonding tile
Cat.No.2d	" "	I 2	S.F.872.1096	70x55x24	Re-used Roman tegula - natural ash glaze
Not illus.	" "	I 2	S.F.876.1143	2 frags.	Heavily burnt structural clay - ash glaze
" "	" "	I 3	S.F.9.31	38x22x18	Heavily burnt structural clay - ash glaze
" "	" "	I 3	S.F.600.673	82x40x22	Roman box flue frag.
" "	" "	I 3	S.F.860.1005	80x35x26	Re-used Roman tegula - natural ash glaze
" "	" "	I 3	S.F.1220A.1005	78x76x19	Roman box flue frag.
" "	" "	I 3	S.F.1220B.1005	55x35x16	Roman imbrix frag.
" "	" "	I 3	S.F.1220C.1005	59x59x15	Roman tegula frag.
" "	" "	I 3	S.F.1220X.1005	2 frags.	Roman bonding tile fragments
Cat.No.2e	" "	II 1	S.F.543.743	125x90x60	Fragment of fired clay luting
Not illus.	" "	II 1	S.F.701.826	75x54x20	Roman imbrix frag.
" "	" "	II 2	S.F.46.1003	4 frags.	Glazed roof tile fragment
" "	" "	II 2	S.F.50.1003	60x42x15	Over-fired glazed roof tile frag.
" "	" "	II 2	S.F.56.1003	2 frags.	Glazed roof tile fragments
" "	" "	II 2	S.F.57.1003	44x45x13	Glazed roof tile fragment

SITE CODE:- 450N

M2/40

OBJ. TYPE:- TILE AND BURNT CLAY

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fired clay	II 2	S.F.59.1003	53x29x13	Glazed roof tile fragment
" "	" "	II 2	S.F.78.1003	2 frags.	Glazed roof tile fragments - one overfired
" "	" "	II 2	S.F.127.1003	2 frags.	Glazed roof tile fragments
" "	" "	II 2	S.F.159A.1003	52x52x19	Glazed floor tile fragment
" "	" "	II 2	S.F.159B.1003	5 frags.	Glazed roof tile fragments
" "	" "	II 2	S.F.313.453	38x30x12	Heavily burnt structural clay - ash glaze
Fig.77 No.1	" "	II 2	S.F.361.564	77x65x26	Dichromatic floor tile
Not illus.	" "	III 1	S.F.122.66	78x18x14	Glazed roof tile fragment
" "	" "	III 1	S.F.125.116	2 frags.	Glazed roof tile fragment
" "	" "	III 1	S.F.136.116	93x27x14	Glazed roof tile fragment
" "	" "	III 1	S.F.138.116	60x47x10	Glazed roof tile fragment
" "	" "	III 1	S.F.142.116	44x34x14	Glazed roof tile fragment
" "	" "	III 1	S.F.145.116	2 frags.	Glazed roof tile fragments
" "	" "	III 1	S.F.192.116	2 frags.	Glazed roof tile fragments
" "	" "	III 2	S.F.25.69	62x43x12	Glazed roof tile fragment
" "	" "	III 2	S.F.26.16	73x57x25	Glazed roof tile fragment
" "	" "	III 2	S.F.111.118	50x45x16	Glazed roof tile fragment
" "	" "	III 2	S.F.153.162	38x27x13	Glazed roof tile fragment
" "	" "	III 2	S.F.155.165	53x33x12	Glazed roof tile fragment

SITE CODE:- 450N

M2/41

OBJ. TYPE:- TILE AND BURNT CLAY

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fired clay	III 2	S.F.170.178	2 frags.	Glazed roof tile fragments
" "	" "	III 2	S.F.191.1	2 frags.	Glazed roof tile fragments
" "	" "	III 2	S.F.223.204	2 frags.	Glazed roof tile fragments
" "	" "	III 3	S.F.91.114	82x65x12	Glazed roof tile fragment
" "	" "	III 3	S.F.92.114	95x42x16	Glazed roof tile fragment
" "	" "	III 3	S.F.96.114	127x93x12	Glazed roof tile fragment
" "	" "	III 3	S.F.97.114	2 frags.	Glazed roof tile fragments
" "	" "	III 3	S.F.100.114	108x98x37	Brick fragment
" "	" "	III 3	S.F.106.114	72x15x6	Glazed roof tile fragment
" "	" "	III 3	S.F.112.123	75x45x16	Glazed roof tile fragment
" "	" "	III 3	S.F.113.123	70x25x15	Glazed roof tile fragment
" "	" "	III 3	S.F.114.123	53x47x8	Glazed roof tile fragment
" "	" "	III 3	S.F.116.123	70x55x11	Glazed roof tile fragment
" "	" "	III 3	S.F.146.158	45x27x11	Overfired glazed roof tile frag.
Fig.77 No.2	" "	III 3	S.F.882A.1068	2 frags	Ridge tile frags.
Cat.No.2a	" "	III 3	S.F.882B.1068		Ridge tile frags.
Not illus.	" "	III	S.F.85.1013	102x101x13	Glazed roof tile fragment
" "	" "	III	S.F.86.1013	57x32x17	Glazed roof tile fragment
" "	" "	III	S.F.88.1013	5 frags.	Glazed roof tile fragment
" "	" "	III	S.F.94.1013	2 frags.	Glazed roof tile fragments - peg holes survive
" "	" "	III	S.F.104.1001	42x41x13	Glazed roof tile fragment

SITE CODE:- 45ON

M2/42

OBJ. TYPE:- TILE AND BURNT CLAY

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Fired clay	III	S.F.105.1001	47x23x14	Glazed roof tile fragment
" "	" "	III	S.F.135.1014	65x45x14	Glazed roof tile fragment

SITE CODE:- 450N

M2/43

OBJ. TYPE:- PAINTED PLASTER

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Cat.No.la	Plaster	III 1	S.F.292.373	5 frags.	Blue/black & purple paint, white slip on purple
Cat.No.lb	"	III 1	S.F.310.373	60x44x25	Blue/black & purple paint, white slip on purple
Not illus.	"	III 2	S.F.10.37	25x18x7	Red paint
"	"	III 2	S.F.27.16	23x12x5	Red paint
"	"	III 2	S.F.35.9	4 frags.	White paint
"	"	III 2	S.F.80.8	33x29x12	Red paint
"	"	III 3	S.F.14.33	23x22x10	Red paint
"	"	III 3	S.F.15.50	15x7x3	Red paint
"	"	III 3	S.F.16A.41	33x22x10	Blue/black paint
"	"	III 3	S.F.16B.41	35x18x5	Red paint
"	"	III 3	S.F.36.33	17 frags.	Red and white paint used individually

SITE CODE:- 45ON

M2/44

OBJ. TYPE:- BONE - COMB FRAGMENTS (inc. ANTLER,
HORN AND IVORY)

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Cat.No.1a	BONE	I 1	S.F.444.1109	58x13x2	Split rib connect- ing plate frag.
Cat.No.1b	ANTLER	I 1	S.F.622.1140	33x23x3	End tooth segment of hog back comb
Fig.78 No.2	"	I 2	S.F.409.1096	135x33x11	Comb - single- sided composite
Cat.No.2a	"	I 2	S.F.551.1143	37x23x3	Tooth segment blank
Cat.No.2b	"	I 3	S.F.160.1005	32x16x4	Connecting plate fragment
Fig.78 No.3	"	I 3	S.F.378.1005	48x45x5	Comb - double- sided single
Cat.No.3a	"	I 3	S.F.405.1005	46x17x2	Tooth segment
Fig.78 No.4	?BONE/ANTLER	I 3	S.F.463.1005		Frag. of single- sided composite comb
Fig.78 No.5	ANTLER	II 1	S.F.351.528	28x15x5	Connecting plate fragment
Cat.No.5a	"	II 1	S.F.380.515	38x13x4	Connecting plate fragment
Fig.78 No.6	"	II 1	S.F.421.541	56x14x3	Connecting plate fragment
Cat.No.6a	BONE	II 1	S.F.693.774	42x14x2	Connecting plate fragment

SITE CODE:- 450N

M2/45

OBJ. TYPE:- BONE - NEEDLES, PINS (inc. ANTLER, HORN and IVORY)

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS ir. mm	NOTES
Fig.79 No.10	Bone	I 1	S.F.799.1145	101x6x5	Pig fibula pin
Cat.No.6b	"	I 2	S.F.413.1096	88x6x3	" " "
Fig.79 No.7	"	I 2	S.F.500.1096	108x7x4	Bird bone pin
Fig.80 No.19	"	I 3	S.F.407.1005	92x6x4	Needle
Cat.No.7a	"	I 3	S.F.456.1005	42x9x3	Bird bone ?pin
Fig.79 No.8	"	I 3	S.F.870.1005	62x10x3	Bird bone pin
Cat.No.8a	"	II 1	S.F.475.1118	55x7x6	Pig fibula pin
Cat.No.8b	"	II 1	S.F.599.1118	85x6x3	" " "
Cat.No.8c	"	II 1	S.F.962.2305	57x8x7	?Bird bone pin
Fig.79 No.9	Ivory	II 2	S.F.814.2103	52x3x3	Pin
Cat.No.9a	Bone	III 1	S.F.290.373	60x2.5 ϕ	Bird bone pin
Cat.No.9b	"	III 1	S.F.294.373	131x6 ϕ	" " "
Fig.79 No.11	"	III 3	S.F.227.223	137x7x5	" " "
	"	U/S	S.F.166.U/S	86x4 ϕ	Needle
Fig.79 No.12	"	U/S	S.F.383.U/S	110x7x3	Bird bone pin

SITE CODE:- 450N

M2/46

OBJ. TYPE:- BONE, ANTLER, IVORY

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Fig.79 No.13	Bone	I 1	S.F.280.1039	104x18x10	Toggle
Cat.No.24a	Antler	I 1	S.F.282.1039	50x11 ϕ	Working waste
Not illus.	Bone	I 1	S.F.704.1154	175x27x20	Skate
Fig.80 No.14	"	I 2	S.F.346.531	145x15x19	Stylus
Fig.80 No.15	"	I 2	S.F.352.531	65x25x2	Spoon
Not illus.	"	I 2	S.F.705.1143	64x58x10	Pierced scapula fragment
Fig.80 No.16	"	I 2	S.F.773.1096	119x13x4	Pin beater
Cat.No.24b	Antler	I 2	S.F.895.1096	147x149max	? Implement
Fig.87 No.25	Bone	I 2	S.F.975.907	73x14x2	Pierced bone strip
Cat.No.16a	Antler	I 3	S.F.5.1005	97x19x15	Handle
Fig.80 No.17	Bone	I 3	S.F.286.1005	206x28x17	Skate
Fig.80 No.18	"	I 3	S.F.353.1005	124x24x25	Socketed point
Not illus.	"	I 3	S.F.868.1005	71x23x22	Socketed point
Fig.81 No.20	"	I 3	S.F.930.1005	62x11x17	Toggle
Not illus.	"	I 3	S.F.955.1005	39x35x8	Object
" "	"	II 1	S.F.308.13	117x18x20	?Working waste
Fig.81 No.21	"	II 1	S.F.333.494	96x9 ϕ	Pinbeater
Not illus.	"	II 1	S.F.370.586	50x45	? Implement
Fig.81 No.26	"	II 1	S.F.435.633	7x25 ϕ	Gaming piece
Not illus.	"	II 1	S.F.571.719	103x23x6	? Utilised cetacean mammal bone
Fig.81 No.26	"	II 1	S.F.587.774	35x13x2	Decorated strip fragment
Fig.77 No.22	"	II 1	S.F.703.650	20x42 ϕ	Spindle whorl
Cat.No.22a	"	II 1	S.F.761.926	40x37x24	Spindle whorl
Not illus.	"	II 1	S.F.766.665	17x13x7	Worked bone frag.
" "	"	II 1	S.F.845.581	83x17x13	? Worked bone object
Fig.81 No.28	"	II 2	S.F.349.533	52x12x2	Decorated strip fragment
Not illus.	"	II 2	S.F.350.433	60x20x16	? Worked bone object
Fig.82 No.29	"	II 2	S.F.354.552	53 ϕ	Gaming piece

SITE CODE:- 45ON

M2/47

OBJ. TYPE:- BONE, ANTLER, IVORY

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Fig.82 No.30	Bone	II 2	S.F.355.558	28x8x4	Zoomorphic terminal
Cat.No.30a	Antler	II 2	S.F.748.2055	35x15x10	? Utilised tine
Fig.82 No.31	Bone	II 2	S.F.770.2011	19x13x3	Decorated bone object
Fig.82 No.32	"	II 2	S.F.776.2011	22x14x7	Decorated bone object
Fig.82 No.33	"	II 2	S.F.807.2098	22x13x7	Decorated bone object
Fig.82 No.34	"	II 2	S.F.812.2098	24x9x4	Decorated bone object
Cat.No.34a		II 2	S.F.829.2057	45x27x17	? Handle fragment
Not illus.	Antler/horn	II 2	S.F.834.2057	82x35x21	
Fig.82 No.35	Bone	III 1	S.F.795.390	7x7x7	Die
Not illus.	"	III 2	S.F.17.57	57x15x10	Handle frag. (See S.F.41)
" "	"	III 2	S.F.41.78	55x8x10	Handle frag. (See S.F.17)
Fig.82 No.36	"	III 2	S.F.162.8	42x13x2	Decorated strip fragment
Cat.No.36a	"	III 3	S.F.256.227	40x18x9	? Working waste
Fig.81 No.24		U/S	S.F.849.U/S	64x5 ϕ	Parchment pricker
Fig.82 No.37	Bone	U/S	S.F.979.U/S	68x18x4	Decorated bone object

SITE CODE:- 450N

M2/48

OBJ. TYPE:- WOOD

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.	Oak	I 1	S.F.572.1133	35x10 ϕ	Point
" "		I 1	S.F.581A.1133		
" "		I 1	S.F.581B.1133		
" "	Oak	I 1	S.F.595.1137	65x32x10	Cut/planed frag.
" "	Oak	I 1	S.F.596.1137	93x29x25	Stake end
" "		I 1	S.F.598.1137		
" "	Oak	I 1	S.F.601.1138		
" "	? Oak	I 1	S.F.612.1137	45x15x10	Cut/chapped frag.
" "	Oak	I 1	S.F.613.1137	52x18x14	Planed fragment
" "		I 1	S.F.623.1140	2 frags.	
" "	Oak	I 1	S.F.624.1140	58x28x8	
" "	? Oak	I 1	S.F.626.1140	95x33x25	Cut fragment
" "	Oak	I 1	S.F.631.1140	85x33x11	Cut fragment
" "	? Oak	I 1	S.F.633.1141	95x31x10	Cut/planed frag.
" "	Oak	I 1	S.F.634.1141	95x26x19	Cut fragment
" "		I 1	S.F.635.1141		
" "	? Oak	I 1	S.F.636.1141	74x28x23	Peg
" "		I 1	S.F.641.1144		
" "	Oak	I 1	S.F.663.1151	47x45x12	Cut fragment
" "	Oak	I 1	S.F.666.1151	35x22x6	Cut fragment
" "	Oak	I 1	S.F.668.1151	63x16x9	? Decoraged frag.
" "		I 1	S.F.687.1140		
" "		I 1	S.F.691.1152		
" "		I 1	S.F.692.1153		
" "		I 1	S.F.696.1154		
" "		I 1	S.F.750.1138		
Fig.84 No.8		I 1	S.F.893.1192		
Not illus.		I 1	S.F.946.1095		
" "		I 2	S.F.745.1164		
Fig.84.No.1	Oak	I 3	S.F.288.1005	116x35x28	Peg/bung
Not illus.		I 3	S.F.905.1005		
" "		I	S.F.554.1150		
" "	? Oak	I	S.F.656.1150	38x8x6	Point

SITE CODE:- 450N

M2/49

OBJ. TYPE:- WOOD

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	DIMENSIONS in mm	NOTES
Not illus.		I	S.F.657.1150		
" "		I	S.F.670.1150		
" "	Silver birch	II 1	S.F.443.1117	4 frags.	Peg/stake frags.
Fig.84 No.2	Oak	II 1	S.F.454.1117	70x18x13	Peg/bung
Fig.84 No.3	Oak	II 1	S.F.527.1120	99x17x15	Peg/wedge
Fig.84 No.4	Oak	II 1	S.F.555.1117	53x25x21	Peg/bung
Not illus.		II 1	S.F.569.719		
" "	Oak	II 1	S.F.570.719	79x27x27	Peg/bung
" "	Oak	II 1	S.F.573.719	65x25x19	Cut fragment
" "		II 1	S.F.586.771		
" "	Oak	II 1	S.F.588.1122	58x31x6	Cut fragment
Fig.84 No.5	Oak	II 1	S.F.607.1118	67x32x24	Peg/bung
Not illus.		II 1	S.F.610.783		
" "	Oak	II 1	S.F.611.783	115x25x22	Cut & shaped fragment
" "	Oak	II 1	S.F.616.790		
" "	Oak	II 1	S.F.628.780	95x27x18	? Cut wood
" "	Oak	II 1	S.F.629.790	54x20x15	Peg/wedge
" "		II 1	S.F.709.826		
" "		II 1	S.F.731.836		
" "		II 1	S.F.733.836		
" "		II 1	S.F.734.836		
" "		II 1	S.F.735.836		
" "		II 1	S.F.902.771		
Fig.84 No.6	Oak	II 1	S.F.913.2305	233x150x11	Shingle
Not illus.		II 1	S.F.913.2305		
" "		II 1	S.F.917.1120		
" "		II 1	S.F.918.1120		
" "		II 2	S.F.934.1032		
Fig.84 No.7		IV	S.F.388.1080		Spoon
Not illus.		U/S	S.F.594.U/S		Peg/bung

SITE CODE:- 450N

M2/50

OBJ. TYPE:- LEATHER

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	POST- CONSERVATION DIMENSIONS in mm	NOTES
Not illus.	Leather	I 1	S.F.493.1112	33x22x2	Offcut
" "	"	I 1	S.F.602.1137	40x4x1	Offcut lasting margin
" "	"	I 1	S.F.617.1141	39x15x1	Offcut ?strap
" "	"	I 1	S.F.630.1141	65x38x0.5	Triangular offcut
" "	"	I 1	S.F.643.1154	4 frags.	Offcuts
" "	"	I 1	S.F.644.1141	2 frags.	2 thongs
" "	"	I 1	S.F.661.1151	43x5x0.5	Thong
" "	"	I 1	S.F.671.1151	10 frags.	Offcuts
" "	"	I 1	S.F.672.1151	35x22x2	Offcut
" "	"	I 1	S.F.673.1154	c.60x9x3	Offcut
" "	"	I 1	S.F.717.1144	40x28x0.5	Offcut
" "	"	I 1	S.F.763.1172	25x19x0.5	Offcut
" "	"	I 1	S.F.769.1154	94x49x1	Triangular offcut
" "	"	I 1	S.F.782.1152	210x25x0.5	Triangular offcut
" "	"	I 1	S.F.783.1152	125x5x3	Offcut
" "	"	I 1	S.F.785.1152	5 frags.	Offcuts
" "	"	I 1	S.F.798.1145	3 frags.	Offcuts
" "	"	I 1	S.F.800.1145	80x50x0.5	Triangular offcut
" "	"	I 1	S.F.823.1154	68x79x2	Upper fragment
" "	"	I 1	S.F.928.1191	77x40x1	Triangular offcut
" "	"	I 2	S.F.525.1096	3 frags.	Offcuts
" "	"	I 2	S.F.677.1143	2 frags.	Offcuts
" "	"	I 2	S.F.837.1187	86x70x1	Offcut
" "	"	I 2	S.F.841.1143	112x10x1	Offcut
" "	"	I 3	S.F.365.1005	6 frags.	Offcuts
" "	"	I 3	S.F.366.1005	4 frags.	Offcuts
" "	"	I 3	S.F.441.1005	90x78x1.5	Sole fragment
" "	"	I	S.F.654.1150	4 frags.	Lace/thong
" "	"	II 1	S.F.450.1117	95x7x2	Strap fragment
" "	"	II 1	S.F.458.1117	85x75x2	Sole fragment
" "	"	II 1	S.F.461.1117	120x49x3	Offcut, possibly of vamp

SITE CODE:- 45On
 OBJ. TYPE:- LEATHER

M2/51

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	POST- CONSERVATION DIMENSIONS in mm	NOTES
Cat.No.la and lf	Leather	II 1	S.F.467.1118	6 frags.	Shoe fragment; bag or similar fragment
Not illus.	"	II 1	S.F.476.1120		Turnshoe frag. and frag. from ? bag
" "	"	II 1	S.F.477.1120	2 frags.	Offcut
" "	"	II 1	S.F.480.1120	75x43x2	Offcut - edge flesh seams
" "	"	II 1	S.F.482.1120	2 frags.	Offcut lasting margin
" "	"	II 1	S.F.484.1120	3 frags.	Offcut - edge flesh seams
Cat.No.lc	"	II 1	S.F.486.1120	7 frags.	3 frags upper, 1 of which forms turned ankle boot; 2 sole frags.
Not illus.	"	II 1	S.F.488.1120	76x53x1	Sole fragment with lasting margin
" "	"	II 1	S.F.510.1120	152x6x2	Knotted thong
" "	"	II 1	S.F.512.1118	70x50x3	Triangular offcut
" "	"	II 1	S.F.513.1118	160x30x2	Offcut
" "	"	II 1	S.F.521.1120	63x40x1.5	Offcut
" "	"	II 1	S.F.522.1118	2 frags.	2 triangular off- cuts
" "	"	II 1	S.F.523.1120	3 frags.	Upper fragment; fragment with edge flesh stitching; frag. of lasting margin
" "	"	II 1	S.F.524.1120	180x72x3	Offcut - ?cobbled
" "	"	II 1	S.F.528.1120	87x56x1.5	Offcut
Cat. No.le	"	II 1	S.F.531.1118	192x117x8	Shoe
Not illus.	"	II 1	S.F.533.1118	5 frags.	Upper fragment with turned seam
" "	"	II 1	S.F.534.1118	2 frags.	Upper & sole fragments

SITE CODE:- 450N
 OBJ. TYPE:- LEATHER

M2/52

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	POST- CONSERVATION DIMENSIONS in mm	NOTES
Not illus.	Leather	II 1	S.F.535.1120	2 frags.	Offcuts
" "	"	II 1	S.F.559.1117	2 frags.	Stitched thong
" "	"	II 1	S.F.560.719	100x36x2	Upper fragment with edge flesh stitching
" "	"	II 1	S.F.561.1118	86x55x1.5	Triangular offcut
" "	"	II 1	S.F.563.1118	60x60x3	Sole and heel fragment
" "	"	II 1	S.F.577.1118	63x28x7	Belt fragment - see S.F. 501.1032
" "	"	II 1	S.F.606.1118	52x36x2	Triangular offcut
" "	"	II 1	S.F.609.783	62x60x2	Offcut
" "	"	II 1	S.F.615.790	6 frags.	Offcuts
" "	"	II 1	S.F.642.1120	60x68x3	Child's turn shoe ?upper
" "	"	II 1	S.F.646.1122/ 1118	107x70x2	? Offcut
" "	"	II 1	S.F.707.826	32x25x3	Offcut
" "	"	II 1	S.F.708.826	73x45x0.5	Triangular offcut
" "	"	II 1	S.F.711.826	113x10x1.5	Offcut
" "	"	II 1	S.F.720.836	69x29x2	Offcut
" "	"	II 1	S.F.903.1120		
" "	"	II 1	S.F.916.2305		
" "	"	II 1	S.F.919.1117		
" "	"	II 1	S.F.920.1117		
" "	"	II 2	S.F.468.1026	53x21x4	Offcut
" "	"	II 2	S.F.469.1026	3 frags.	Offcut
" "	"	II 2	S.F.470.1026	40x13x3	Offcut
Cat.No.lb	"	II 2	S.F.473.1026	4 frags	Sole fragments
Not illus.	"	II 2	S.F.483.1026	216x19x2	Offcut - possibly frag. of belt

SITE CODE:- 450N

M2/53

OBJ. TYPE:- LEATHER

FIG. REF.	MATERIAL	PERIOD	S.F. NUMBER FOLLOWED BY CONTEXT NO.	POST- CONSERVATION DIMENSIONS in mm	NOTES
Cat.No.ld	Leather	II 2	S.F.497.1032	270xc.4x1	Knotted lace
Fig.86 No.1	"	II 2	S.F.501.1032	4 frags.	Belt frags.
Not illus.	"	II 2	S.F.904.1026	55x33x2.5	Offcut

M3 Environmental Data

a) Skeletal Inventory

633

Adult. Possible female.

Fragments from the left side of the upper skeleton. Sexing is based on a clavicle length of 141mm and a humeral head diameter of 43mm.

Fragments of 10 thoracic and 5 lumbar vertebrae survive.

Pathologies: Schmorl's nodes on inferior bodies of thoracic 9-12 inclusive. Osteophytes (small), on anterior bodies of thoracic 10-12 inclusive, and on right superior and inferior body of lumbar 1 and superior body of lumbar 2. Development of the tendon insertions on all finger phalanges.

750

Adolescent, 13-16 years. Probable male.

Fragments of skull, mandible, trunk and upper arms. Sexing is based on the skull. Ageing is based on the eruption of the teeth and the closure of the epiphyses.

Teeth:

	(8) 7 6 5 4 3 2 1		1 2 3 4 5 6 7 (8)	
R	-----		-----	L Attrition: 2; 2+.
	(8) 7 6 5 4 3 2 1		1 2 3 4 5 6 7 (8)	
	C		C	

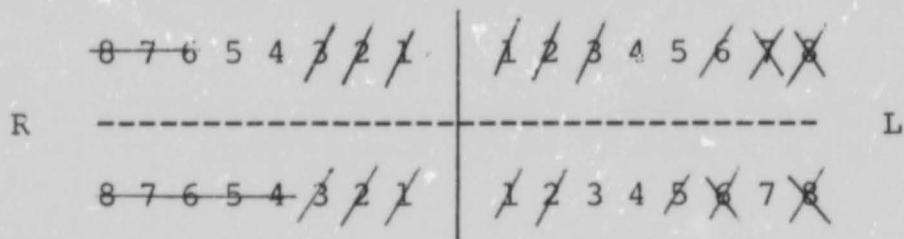
Caries: both mandibular 6's have small buccal cavities.

Hypoplasia: widespread brown staining - amelogenesis imperfecta.

Age: Brothwell = 17-25; Miles = 12-17

C.I. = 39.8 = Hyperbrachycranic

Multiple wormian bones in coronal, sagittal and lambdoid sutures.



Attrition: 4

Age: Brothwell = 25-35; Miles = 34.

Moderate calculus and considerable periodontal disease.

The distal humerus has a septal aperture.

2) Infant. 6 months \pm 3 months.

Left mandible; fragments of ribs and the R femur.

Teeth: ----- L

~~a~~ ~~b~~ ~~c~~ ~~d~~ ~~e~~ ~~f~~

672

One thoracic vertebra from a child aged 3-7 years.

Dental key

- ~~2~~ = lost post-mortem
- X = lost ante-mortem
- c = caries
- A = abscess
- E = exposure to the pulp cavity
- U = unerupted
- ~~234~~ = jaw missing
- R = right
- L = left

b) Mammal bone

TABLE 9 MAIN MAMMALIAN SPECIES

M3/1

PERIOD	SHEEP /GOAT		PIG		CATTLE		TOTAL
	NO	%	NO	%	NO	%	
PERIOD I							
I.1	151	27.6	219	40.0	177	32.4	547
I.2	376	28.4	361	27.3	585	44.3	1322
I.3	492	29.9	496	30.1	660	40.0	1648
I.1/I.2/I.3	83	33.3	64	25.7	102	41.4	249
TOTAL	1102	29.3	1140	30.3	1524	40.5	3766
PERIOD II							
II.1	1075	35.1	832	27.1	1158	37.8	3065
II.2	620	34.0	462	25.4	740	40.6	1866
II.1/II.2	106	27.4	139	35.9	142	36.7	387
TOTAL	1802	34.1	1433	27.2	2040	38.7	5274
PERIOD III							
III.1	100	29.0	90	26.1	155	44.9	345
III.2	131	19.9	157	23.8	371	56.3	659
III.3	44	20.4	55	25.5	117	54.2	216
III.1/III.2 /III.3	35	39.8	10	11.4	43	48.9	88
TOTAL	310	23.7	312	23.9	689	52.4	1308
PERIOD IV							
TOTAL	15	38.5	10	25.6	14	35.9	39
MISC							
I.1/II.2 LAYER 1005	4	19.0	14	66.7	3	14.3	21
	698	30.4	646	28.2	950	41.4	2294
TOTAL	3930	39.8	3555	28.0	5217	41.1	12702

TABLE 10. DESCRIPTION OF MEASUREMENTS TAKEN FROM THE MMS
(all long bone measurements taken from fused epiphyses
except where otherwise defined)

HORN (cattle)

1. basal circumference
2. length of the posterior-dorsal (outer) curvature
(maximum length of the horncore)

HORN (sheep/goat)

1. basal circumference
2. length of the horncore on the front margin

HUMERUS

1. maximum width of distal humerus
2. maximum thickness of distal epiphysis
3. maximum height of distal articulation
4. maximum width of barrel
5. minimum width of shaft (pig only)

RADIUS

1. maximum width of proximal epiphysis
2. minimum width of shaft (pig only)
- L. length

METAPODIALS (cattle and sheep/goat only)

1. maximum width of proximal epiphysis
2. maximum thickness of proximal epiphysis
3. maximum width at distal fusion point
4. maximum thickness at distal fusion point
5. maximum width of distal epiphysis
6. maximum thickness of distal epiphysis
7. maximum thickness of medial condyle (sheep/goat only)
- L. length

TABLE 10 cont. DESCRIPTION OF MEASUREMENTS TAKEN FROM THE MMS

PELVIS

1. Innominate, measurement of the thickness (depth) of medial rim of the acetabulum (cattle and sheep only)

TIBIA

1. maximum width of distal epiphysis
2. maximum thickness of distal epiphysis
3. minimum width of shaft (pig only)

ASTRAGALUS

1. maximum length - lateral half
2. maximum thickness - lateral half
3. maximum length - medial half

CALCANEUM

1. length of the lateral process from the most proximal part of the articular surface to the most distal point of the bone
2. length of articular surface at the lateral process
3. length from most posterior point of bone to most anterior of articular surface

TABLE 11. SHEEP/GOAT MEASUREMENTS (mm)

M3/4

SHEEP/GOAT
HORN

SHEEP

LAYER	1	2
310	/	100
380	132	190
380	90	160
531	135	215
602	111	/
761	114	170
771	70	/
771	76	/
837	85	115
918	54	40
921	57	46
1005	102	120
1005	155	/
1005	108	170
1096	/	140
1143	/	135
1143	108	120
1143	135	/
1143	135	/
1193	106	/
2146	90	/
2314	149	/

GOAT

559	110	/
611	138	/
660	120	/
905	125	/
2146	90	/

SHEEP/GOAT HUMERUS

LAYER	1	2	3	4
2	25	30	17	29
13	/	27	17	28
13	27	/	18	29
15	/	30	19	30
16	/	/	18	/
31	27	/	19	/
56	24	28	17	/
130	22	26	17	26
224	30	36	22	34
227	25	28	18	28
291	/	23	/	/
349	28	31	18	31
433	/	/	18	/
433	/	/	18	/

SHEEP/GOAT HUMERUS cont.

LAYER	1	2	3	4
440	25	30	18	30
470	26	/	18	/
471	27	/	21	/
491	25	31	18	/
525	24	28	17	26
527	/	32	19	31
541	24	27	/	/
563	24	/	17	/
602	/	26	17	/
604	24	29	18	28
604	27	30	19	28
632	26	30	18	28
651	26	/	18	28
661	24	27	17	27
664	24	29	18	28
665	28	24	17	27
673	26	/	18	30
674	/	/	20	/
676	22	/	16	/
690	24	27	18	27
699	26	31	18	30
712	26	31	18	30
718	24	28	18	28
719	22	26	16	26
719	23	28	16	27
719	/	27	17	27
719	23	27	17	27
719	24	27	17	26
737	26	30	18	/
752	24	27	18	28
761	27	30	18	30
761	27	31	20	/
780	23	/	16	/
780	25	/	18	/
783	25	27	17	28
783	25	29	18	28
786	25	29	/	28
816	28	31	20	31
846	/	32	20	/
857	28	/	19	/
921	25	29	17	28
921	/	/	19	/
926	26	30	17	/
926	27	/	18	/
987	25	30	19	30
1003	24	/	18	/
1003	26	30	19	30
1005	27	23	16	27
1005	22	26	16	25
1005	26	30	18	29
1012	24	/	18	/

SHEEP/GOAT HUMERUS cont.

LAYER	1	2	3	4
1012	27	29	18	28
1014	27	31	19	30
1026	27	30	/	/
1026	24	27	17	27
1026	24	27	17	27
1026	25	28	18	/
1026	25	29	19	29
1093	26	/	19	30
1096	25	/	17	/
1096	25	30	18	29
1096	26	30	18	30
1096	26	31	18	30
1096	26	/	19	/
1096	27	31	20	27
1096	29	33	20	34
1125	28	31	/	/
1145	24	31	17	30
1148	/	31	19	/
1148	28	33	19	/
1148	/	31	20	/
1153	26	29	18	29
1154	25	30	18	30
2011	23	28	17	/
2024	25	28	17	27
2126	26	/	18	/
2255	24	28	17	29
2305	23	26	16	27

SHEEP/GOAT RADIUS

LAYER	1	LENGTH
200	30	/
224	/	138
224	29	/
230	/	139
291	28	/
291	28	/
291	29	/
329	29	/
348	30	131
348	30	/
369	29	/
433	31	/
471	/	148
480	28	/
512	32	155
525	28	/
525	28	/
525	31	/
563	32	/
586	33	/
632	28	/

SHEEP/GOAT RADIUS

LAYER	1	LENGTH
632	31	/
651	30	/
660	31	/
670	31	/
673	30	135
674	28	/
690	28	/
696	31	152
719	27	/
719	29	/
771	27	132
887	31	151
889	27	/
926	29	/
1003	29	/
1003	31	/
1005	/	167
1005	28	/
1005	29	/
1005	30	/
1005	30	/
1005	30	/
1005	30	/
1005	31	151
1005	31	/
1005	31	/
1005	31	/
1005	31	146
1005	31	/
1005	31	/
1005	32	160
1005	32	158
1005	32	/
1005	32	/
1005	32	/
1005	33	/
1005	33	/
1025	31	/
1026	27	/
1026	28	/
1026	29	143
1026	30	/
1026	31	/
1026	31	/
1087	/	158
1096	29	/
1096	30	/
1096	31	/
1096	32	145
1096	33	160
1117	29	/
1137	33	/
1152	31	/
1154	33	/

SHEEP/GOAT RADIUS

LAYER	1	LENGTH
1187	30	/
1193	29	/
2011	30	142
2037	31	/
2041	30	/
2057	31	/
2075	27	132
2098	30	/
2126	/	146
2142	30	146
2250	28	/
2250	31	148
2271	33	/
2305	26	/

TABLE 11 cont. SHEEP/GOAT MEASUREMENTS (mm)

SHEEP/GOAT METACARPAL

LAYER	PF	DF	1	2	3	4	5	6	7	LENGTH
11	PF	/	/	21	16	/	/	/	/	/
11	PF	/	24	17	/	/	/	/	/	/
31	PF	DF	/	/	/	/	/	/	/	131
31	PF	DF	23	17	/	/	/	/	/	/
31	PF	DF	/	/	24	13	24	16	/	138
38	PF	DF	20	14	22	11	22	14.4	10.7	117
48	PF	/	18	14	/	/	/	/	/	/
143	PF	/	19	14	/	/	/	/	/	/
224	PF	DNF	22	15	/	/	/	/	/	/
291	PF	DF	23	17	24	/	/	/	/	127
373	/	DF	/	/	22	11	22	14.7	9.7	/
433	PF	/	20	14	/	/	/	/	/	/
441	PF	/	21	16	/	/	/	/	/	/
453	PF	/	20	15	/	/	/	/	/	/
455	PF	/	22	/	/	/	/	/	/	/
455	/	DF	/	/	24	12	24	14.9	10.5	/
455	/	DF	/	/	24	12	24	14.4	10.2	/
525	PF	/	21	/	/	/	/	/	/	/
573	PF	DF	21	/	23	12	24	16.0	11.2	121
575	PF	DF	23	17	25	12	25	16.2	10.8	133
590	PF	/	24	16	/	/	/	/	/	/
602	PF	DNF	21	14	/	/	/	/	/	/
623	/	DF	/	/	25	14	25	16.5	11.4	/
629	PF	/	22	16	/	/	/	/	/	/
629	PF	/	23	17	/	/	/	/	/	/
631	PF	/	21	15	/	/	/	/	/	/
631	PF	/	24	17	/	/	/	/	/	/
673	/	/	23	/	/	/	/	/	/	/
673	PF	DF	22	16	24	/	/	/	/	/
674	PF	/	23	16	/	/	/	/	/	/
674	PF	/	23	17	/	/	/	/	/	/
676	PF	DF	20	15	22	12	21	/	/	112
690	PF	/	20	15	/	/	/	/	/	/
690	PF	/	21	15	/	/	/	/	/	/
690	PF	DNF	22	15	/	/	/	/	/	/
695	PF	/	21	16	/	/	/	/	/	/
696	PF	/	22	16	/	/	/	/	/	/
696	PF	DF	23	/	26	13	25	/	/	125
699	PF	DF	22	15	24	13	24	16.4	11.3	120
712	PF	DNF	19	12	/	/	/	/	/	/
712	PF	/	22	17	/	/	/	/	/	/
719	/	DF	/	/	23	11	23	14.9	9.8	/
752	PF	DF	/	/	22	12	/	/	/	121
761	PF	/	23	/	/	/	/	/	/	/
761	PF	/	24	/	/	/	/	/	/	/
761	PF	/	22	16	/	/	/	/	/	/
761	PF	DF	24	19	26	14	26	16.8	11.5	126
771	PF	/	20	16	/	/	/	/	/	/
771	PF	/	21	16	/	/	/	/	/	/
771	/	DF	/	/	22	12	22	14.8	10.0	/
820	PF	/	23	16	/	/	/	/	/	/
837	PF	DF	/	/	27	15	25	15.1	10.2	121
857	PF	/	25	18	/	/	/	/	/	/

TABLE 11. cont. SHEEP/GOAT MEASUREMENTS (mm)

SHEEP/GOAT METACARPAL cont.

LAYER			1	2	3	4	5	6	7	LENGTH
885	PF	/	22	16	/	/	/	/	/	/
926	PF	/	23	/	/	/	/	/	/	/
1003	PF	/	/	/	26	14	25	16	/	/
1005	PF	/	23	/	/	/	/	/	/	/
1005	PF	/	23	/	/	/	/	/	/	/
1005	PF	/	24	/	/	/	/	/	/	/
1005	PF	/	21	15	/	/	/	/	/	/
1005	PF	/	22	16	/	/	/	/	/	/
1005	PF	/	22	16	/	/	/	/	/	/
1005	PF	/	23	17	/	/	/	/	/	/
1005	PF	/	23	17	/	/	/	/	/	/
1005	PF	/	23	17	/	/	/	/	/	/
1005	PF	/	24	17	/	/	/	/	/	/
1005	PF	DNF	24	17	/	/	/	/	/	/
1005	PF	DNF	22	18	/	/	/	/	/	/
1005	PF	DNF	25	18	/	/	/	/	/	/
1005	/	DF	/	/	24	13	/	15.7	10.8	/
1005	PF	DF	22	16	25	12	24	15.7	10.4	126
1005	/	DF	/	/	23	14	24	14.8	8.5	/
1005	PF	DF	22	16	25	12	25	15.7	10.8	119
1005	PF	DF	22	16	25	12	25	15.5	10.6	121
1005	PF	DF	23	18	24	13	25	16.4	11.3	127
1005	/	DF	/	/	26	13	25	/	/	/
1005	PF	DF	24	18	26	14	25	/	/	129
1005	PF	DF	/	18	25	12	26	16.6	11.0	124
1005	PF	DF	25	17	27	13	26	16.1	11.0	120
1005	PF	DF	24	17	26	14	26	17.0	11.0	124
1005	PF	DF	25	18	29	12	27	16.8	11.5	126
1005	/	DF	/	/	27	14	27	/	/	/
1026	PF	DF	23	16	/	/	/	/	/	/
1095	PF	DF	21	16	24	12	24	15.5	10.4	120
1096	PF	/	24	/	/	/	/	/	/	/
1096	PF	/	24	16	/	/	/	/	/	/
1096	PF	/	24	18	/	/	/	/	/	/
1096	PF	DF	20	16	22	13	22	15.0	10.1	112
1096	PF	DF	/	/	26	12	25	/	/	130
1096	PF	DF	24	18	27	13	26	16.4	11.0	122
1096	PF	DF	23	17	26	12	27	16.7	11.0	122
1118	PF	/	22	16	/	/	/	/	/	/
1118	PF	DF	25	17	28	14	27	16.9	11.4	128
1140	PF	DNF	21	15	/	/	/	/	/	/
1145	PF	DNF	20	16	/	/	/	/	/	/
1145	PF	DF	24	17	25	13	25	15.7	10.5	122
1148	PF	DNF	24	16	/	/	/	/	/	/
1162	PF	/	22	16	/	/	/	/	/	/
1197	PF	DF	24	/	26	12	26	16.8	11.5	118
2054	PF	DF	20	15	23	12	22	14.0	9.3	114
2293	PF	DF	23	17	27	14	26	15.8	10.8	117
2301	PF	/	21	16	/	/	/	/	/	/
2314	PF	DF	23	17	25	13	25	16.9	11.4	127
3085	PF	/	25	17	/	/	/	/	/	/

TABLE 11. cont. SHEEP/GOAT MEASUREMENTS (mm) M3/11

SHEEP/GOAT PELVIS

LAYER	
	1
291	3
325	5
371	3
371	5
371	7
453	5
563	4
606	6
676	5
701	1
761	6
763	7
771	3
771	3
771	5
774	4
781	5
786	3
816	6
820	4
859	7
1003	7
1005	2
1005	3
1005	3
1005	4
1005	4
1005	4
1005	5
1005	5
1005	6
1005	6
1005	6
1005	7
1005	11
1026	3
1026	4
1026	4
1095	5
1096	3
1096	9
1117	1
1117	6
1118	4
1118	5
1120	5
1148	6
1148	8
1152	7
1153	7
1159	3
1187	6
2004	3
2126	4

SHEEP/GOAT PELVIS cont.

LAYER	1
2192	5
2250	4
2305	3

TIBIA cont.

LAYER	1	2
1001	25	18
1003	24	/
1003	25	/
1003	26	/
1003	24	19
1003	25	19
1003	26	19
1003	25	20
1003	28	21
1004	28	22
1005	27	/
1005	23	17
1005	24	18
1005	26	18
1005	24	19
1005	25	19
1005	25	19
1005	26	19
1005	27	19
1005	25	20
1005	26	20
1005	26	20
1005	26	20
1005	27	20
1005	27	20
1005	27	20
1005	27	20
1005	27	20
1005	27	20
1005	28	20
1005	28	20
1005	26	21
1005	27	21
1005	27	21
1005	27	21
1005	27	21
1005	28	21
1005	28	21
1005	29	21
1011	25	17
1026	27	/
1026	24	18
1026	26	20
1026	26	21
1038	23	18
1023	25	19
1087	27	20
1087	26	21
1096	23	18
1096	26	18
1096	25	19
1096	25	19
1096	26	19
1096	27	20
1096	27	20

SHEEP/GOAT TIBIA

LAYER	1	2
3	23	17
16	23	17
140	27	19
143	24	17
172	25	20
206	26	21
291	25	/
291	24	18
325	/	18
383	25	19
388	23	17
402	25	18
441	25	18
471	23	/
471	24	18
471	25	18
471	26	20
478	28	20
526	25	19
539	25	18
550	26	19
556	25	18
563	24	18
602	26	19
602	27	19
602	27	21
632	29	21
633	25	/
633	25	19
650	25	19
651	25	18
661	26	19
668	25	19
673	/	18
673	24	18
674	26	19
674	26	20
690	24	/
695	27	19
719	24	18
761	25	19
761	26	19
761	28	21
761	29	22
780	26	19
836	26	19
837	29	21
877	25	19
907	24	18
907	24	18
920	25	19
921	27	18
921	27	20
987	27	20

TIBIA cont.

LAYER	1	2
1096	27	21
1096	27	21
1117	25	20
1118	27	22
1125	26	20
1133	27	19
1134	26	20
1137	25	19
1140	26	19
1144	27	20
1145	25	19
1145	26	19
1145	26	20
1148	25	18
1148	29	20
1187	26	20
2011	26	20
2057	24	18
2098	/	19
2126	26	19
2126	25	20
2131	28	20
2142	28	/
2146	26	21
2177	26	20
2250	24	18
2271	25	19
2293	26	/
2305	25	19
2314	26	/
3085	24	19

SHEEP/GOAT ASTRAGALUS

LAYER	1	2	3
3	26	14	25
45	/	19	33
471	24	14	24
574	28	15	26
606	23	13	22
624	28	15	26
633	21	12	20
633	27	15	26
641	27	15	25
664	26	14	26
637	30	/	28
674	28	15	26
675	31	16	29
690	/	16	30
690	28	15	26
719	26	14	24
889	28	16	26
987	27	14	24
1005	27	16	26

SHEEP/GOAT CALCANEUM

LAYER	1	2	3	LENGTH
329	22	13	22	53
388	21	12	/	/
388	21	11	21	55
480	22	12	22	52
550	24	14	/	/
559	22	13	22	54
563	22	13	22	52
638	/	/	22	55
650	21	12	22	/
661	22	14	23	57
665	22	13	23	/
676	20	12	20	50
697	22	13	23	54
752	/	/	/	57
761	23	13	23	/
786	23	12	22	59
857	22	13	23	55
1005	/	/	25	/
1005	22	13	23	52
1005	21	/	22	53
1005	22	13	22	54
2011	21	12	21	53
2173	19	12	20	49

SHEEP/GOAT METATARSAL

LAYER	PF	DF	1	2	3	4	5	6	LENGTH
3	PF	DF	18	19	20	/	21	/	122
13	PF	/	/	19	/	/	/	/	/
16	PF	/	20	/	/	/	/	/	/
16	/	DF	/	/	22	12	21	15	/
71	PF	/	17	19	/	/	/	/	/
114	PF	/	20	20	/	/	/	/	/
116	PF	/	19	20	/	/	/	/	/
291	PF	/	22	22	/	/	/	/	/
348	/	DF	/	/	23	13	24	/	/
385	PF	/	23	22	/	/	/	/	/
433	PF	/	19	20	/	/	/	/	/
440	PF	/	19	20	/	/	/	/	/
453	PF	/	/	19	/	/	/	/	/
455	PF	/	19	20	/	/	/	/	/
552	PF	/	21	22	/	/	/	/	/
558	PF	DF	/	/	23	13	24	16	/
589	PF	/	20	21	/	/	/	/	/
590	PF	/	21	/	/	/	/	/	/
602	PF	/	23	23	/	/	/	/	/
631	PF	/	20	20	/	/	/	/	/
651	PF	/	18	/	/	/	/	/	/
651	PF	/	20	21	/	/	/	/	/
653	PF	/	19	19	/	/	/	/	/
661	PF	/	20	20	/	/	/	/	/
674	PF	/	20	/	/	/	/	/	/
761	PF	/	22	23	/	/	/	/	/
771	PF	/	18	18	/	/	/	/	/
771	PF	/	19	19	/	/	/	/	/
771	PF	/	20	19	/	/	/	/	/
783	/	DF	/	/	21	13	20	15	/
783	/	DF	/	/	21	13	21	15	/
783	/	DF	/	/	22	13	23	15	/
788	/	DF	/	/	24	15	25	/	/
810	/	DF	/	/	21	12	23	15	/
816	PF	DNF	23	22	/	/	/	/	/
837	PF	/	20	21	/	/	/	/	/
846	PF	DF	23	22	/	/	/	/	/
857	PF	DF	/	/	21	12	22	/	/
885	/	DF	/	/	23	12	24	14	/
907	PF	/	21	20	/	/	/	/	/
926	PF	DF	20	20	/	/	/	/	127
946	PF	DF	21	22	24	13	25	/	146
1003	PF	/	18	18	/	/	/	/	/
1003	PF	/	20	20	/	/	/	/	/
1003	PF	/	/	21	/	/	/	/	/
1005	/	DF	/	/	20	12	21	/	/
1005	PF	DF	19	/	22	13	23	17	130
1005	/	DF	/	/	23	12	24	16	/
1005	PF	DF	/	/	24	13	24	16	117
1005	/	DF	/	/	24	15	24	16	/
1005	PF	DF	18	17	21	13	21	15	124
1005	PF	/	17	13	/	/	/	/	/
1005	PF	/	18	19	/	/	/	/	/
1005	PF	/	19	19	/	/	/	/	/

SHEEP/GOAT METATARSAL

LAYER	PF	DF	1	2	3	4	5	6	LENGTH
1005	PF	/	19	19	/	/	/	/	/
1005	PF	/	20	19	/	/	/	/	/
1005	PF	/	19	20	/	/	/	/	/
1005	PF	/	19	20	/	/	/	/	/
1005	PF	/	21	20	/	/	/	/	/
1005	PF	/	23	20	/	/	/	/	/
1005	PF	DF	21	20	24	14	25	16	138
1005	PF	/	19	21	/	/	/	/	/
1005	PF	/	20	21	/	/	/	/	/
1005	PF	/	21	21	/	/	/	/	/
1005	PF	/	22	21	/	/	/	/	/
1005	PF	DF	21	21	23	/	24	15	130
1005	PF	DF	21	21	23	12	24	16	138
1005	PF	DF	21	21	23	13	24	17	136
1005	PF	DF	21	21	24	14	25	16	136
1005	PF	/	20	22	/	/	/	/	/
1005	PF	/	21	22	/	/	/	/	/
1005	PF	/	21	22	/	/	/	/	/
1005	PF	DF	21	22	23	12	24	16	132
1005	PF	DF	22	22	24	14	24	16	136
1005	PF	DF	21	22	24	15	25	17	135
1005	PF	DF	/	23	24	15	25	17	143
1006	PF	/	19	/	/	/	/	/	/
1011	PF	/	21	22	/	/	/	/	/
1032	PF	/	19	19	/	/	/	/	/
1087	/	DF	/	/	/	/	24	17	/
1087	PF	DF	21	/	25	14	25	16	133
1093	PF	DNF	20	21	/	/	/	/	/
1096	PF	/	21	20	/	/	/	/	/
1096	PF	/	20	21	/	/	/	/	/
1120	/	DF	/	/	21	12	22	16	/
1120	PF	DF	18	18	21	13	22	14	116
1133	PF	DF	21	21	24	13	25	16	140
1143	/	DF	/	/	25	/	25	17	/
1143	PF	DF	20	22	23	13	24	17	142
1145	PF	/	21	/	/	/	/	/	/
1145	/	DF	/	/	23	11	/	/	/
1148	PF	DF	19	20	21	/	22	15	133
1154	PF	DF	/	/	22	13	23	16	135
2011	PF	/	19	20	/	/	/	/	/
2041	/	DF	/	/	23	14	23	16	/
2098	PF	/	20	19	/	/	/	/	/
2126	/	DF	/	/	21	14	21	16	/
2126	PF	/	19	19	/	/	/	/	/
2126	PF	DNF	20	20	/	/	/	/	/
2266	/	DF	/	/	22	13	28	16	/
2266	PF	/	21	20	/	/	/	/	/
2277	PF	/	20	20	/	/	/	/	/
2277	PF	/	20	21	/	/	/	/	/
2305	PF	DF	19	21	22	13	23	16	133
2314	PF	/	21	21	/	/	/	/	/

TABLE 12. PIG MEASUREMENTS (mm)

M3/19

PIG HUMERUS

LAYER	PF	DF	1	2	3	4	5
7	/	/	/	/	/	/	12
291	/	DNF	/	/	/	/	11
329	/	DF	/	35	/	/	14
440	/	DF	40	39	28	34	/
455	/	/	/	/	/	/	13
471	/	DNF	/	/	/	/	12
478	/	/	/	/	/	/	17
480	/	/	/	/	/	/	15
525	/	DF	37	37	/	31	/
551	/	DF	36	37	25	/	15
602	/	DF	/	35	/	30	/
604	/	DF	37	/	/	30	13
629	/	DF	34	35	24	29	/
633	/	DF	34	34	/	/	13
674	/	DNF	/	/	/	/	14
685	/	DF	36	/	26	/	/
690	/	/	/	/	/	/	12
690	/	/	/	/	/	/	12
690	/	/	/	/	/	/	14
690	/	DF	/	/	/	/	15
696	/	DF	35	36	26	30	/
699	/	DF	35	36	26	29	14
712	/	DF	43	43	32	36	17
761	/	DF	40	41	29	34	/
771	/	DF	37	37	25	31	/
836	/	DF	38	37	26	32	/
857	/	DF	38	37	28	32	/
902	/	DF	38	36	26	31	15
926	/	DF	40	39	29	34	16
1003	/	DF	40	37	28	/	16
1003	/	DF	41	41	28	33	17
1005	/	DNF	/	/	/	/	9
1005	/	DNF	/	/	/	/	10
1005	PF	/	/	/	/	/	11
1005	/	/	/	/	/	/	12
1005	/	/	/	/	/	/	12
1005	/	/	/	/	/	/	12
1005	/	DNF	/	/	/	/	12
1005	/	DNF	/	/	/	/	12
1005	/	/	/	/	/	/	13
1005	/	DNF	/	/	/	/	13
1005	/	DNF	/	/	/	/	13
1005	/	/	/	/	/	/	13
1005	/	/	/	/	/	/	13
1005	/	/	/	/	/	/	13
1005	/	DNF	/	/	/	/	13
1005	/	DNF	/	/	/	/	13
1005	/	/	/	/	/	/	14
1005	/	/	/	/	/	/	14
1005	/	DNF	/	/	/	/	14
1005	/	DNF	/	/	/	/	14
1005	/	/	/	/	/	/	14

TABLE 12.cont. PIG MEASUREMENTS

M3/20

PIG HUMERUS

LAYER	PF	DF	1	2	3	4	5
1005	/	/	/	/	/	/	14
1005	/	/	/	/	/	/	14
1005	/	/	/	/	/	/	14
1005	/	DNF	/	/	/	/	14
1005	/	DF	/	/	/	/	16
1005	/	DF	/	/	/	/	17
1005	/	DF	33	36	24	30	/
1005	/	DF	36	36	26	31	/
1005	/	DF	36	37	25	/	19
1005	PNF	DF	38	37	29	31	14
1005	PNF	DF	39	40	27	35	17
1005	/	DF	40	38	28	33	15
1005	/	DF	40	40	30	33	/
1005	/	DF	41	42	30	35	17
1006	/	DF	39	38	28	34	/
1012	/	DF	37	36	26	31	14
1026	/	DF	/	/	27	32	14
1026	/	DF	34	34	26	29	/
1026	/	DF	34	36	25	31	15
1096	/	DF	34	34	/	/	14
1096	PNF	DF	36	36	26	31	16
1096	/	DF	40	40	28	34	/
1119	/	DF	37	37	26	31	/
1120	/	DF	/	/	/	/	14
1134	/	DF	35	36	25	30	/
1148	/	DF	34	35	/	/	14
1148	/	DF	41	42	29	36	17
1154	/	/	/	/	/	/	11
1154	/	DF	34	36	23	/	/
1154	/	DF	39	41	29	33	/
1154	/	DF	39	41	29	33	/
1191	/	DF	33	34	25	29	/
2011	/	DNF	/	/	/	/	12
2057	/	/	/	/	/	/	14
2103	/	/	/	/	/	/	14
2103	/	/	/	/	/	/	15
2250	/	DF	37	39	27	/	16
2311	/	DF	34	37	24	31	14

PIG RADIUS

LAYER	PF	DF	1	2	LENGTH
	PF	/	26	16	/
13	PF	DNF	/	15	/
116	PNF	/	/	14	/
143	PNF	DNF	/	14	/
218	PF	/	27	17	/
291	PF	/	27	16	/
433	/	/	/	15	/
433	PF	/	26	16	/
433	PF	/	27	16	/
440	PF	/	/	18	/
473	PF	/	27	17	/

TABLE 12.cont. PIG MEASUREMENTS

M3/21

PIG RADIUS

LAYER	DF	PF	1	2	LENGTH
480	PF	/	/	15	/
525	PF	DNF	27	16	/
569	PF	DNF	/	16	/
633	PF	/	26	/	/
633	PF	/	29	/	/
667	PF	/	27	/	/
674	PNF	/	/	13	/
690	PF	/	27	17	/
717	PF	/	25	15	/
826	PF	/	26	15	/
857	PF	/	/	17	/
919	PF	/	/	15	/
987	PF	/	24	15	/
1003	PF	/	32	/	/
1005	PF	DNF	24	/	/
1005	PF	DNF	25	/	/
1005	PF	/	25	/	/
1005	PF	/	26	/	/
1005	PF	DNF	26	/	/
1005	PF	/	26	/	/
1005	PF	/	27	/	/
1005	PF	/	27	/	/
1005	PF	DNF	28	/	/
1005	PF	/	28	/	/
1005	PF	/	28	/	/
1005	PF	DNF	29	/	/
1005	PF	/	29	/	/
1005	PF	DF	29	/	141
1005	PF	/	29	/	/
1005	PF	DNF	32	/	/
1012	PF	DNF	24	16	/
1026	PF	DNF	25	/	/
1032	PF	/	25	15	/
1038	PF	/	27	16	/
1060	PF	/	27	17	/
1093	PF	/	/	16	/
1096	PF	/	25	/	/
1096	PF	/	25	/	/
1096	PF	/	27	/	/
1096	PF	DNF	30	/	/
1118	PF	DNF	26	16	/
1118	PF	DNF	26	16	/
1118	PF	/	27	16	/
1118	PF	/	30	19	/
1120	PF	/	26	15	/
1132	PF	/	28	/	/
1143	PF	/	29	17	/
1145	PF	DNF	26	17	/
1145	PF	/	30	17	/
1148	PF	/	/	16	/
1148	PF	/	27	17	/
1187	PF	/	29	17	/
2019	PF	/	31	21	/
2057	PF	DNF	28	17	/

TABLE 12 cont. PIG MEASUREMENTS

M3/22

PIG RADIUS

LAYER	DF	PF	1	2	LENGTH
2098	PF	DNF	26	15	/
2277	PF	/	24	14	/
2314	PF	DNF	25	/	/
3071	PF	/	27	/	/

PIG TIBIA

LAYER	PF	DF	1	2	3
13	/	DNF	/	/	17
15	/	DNF	/	/	17
15	/	DF	31	27	20
31	/	DF	28	24	/
48	PNF	/	/	/	17
116	PNF	DNF	/	/	19
173	/	DNF	/	/	19
224	PNF	DNF	/	/	8
227	PNF	DNF	/	/	9
230	PNF	DNF	/	/	16
291	/	/	/	/	15
291	/	/	/	/	18
325	/	/	/	/	16
325	/	/	/	/	21
329	PNF	DNF	/	/	17
433	/	/	/	/	16
433	/	/	/	/	16
433	/	/	/	/	18
453	/	DF	20	/	/
471	/	DNF	/	/	17
471	/	DNF	/	/	19
514	/	DF	29	25	19
525	/	/	/	/	18
525	PNF	DNF	/	/	18
525	/	DF	27	24	/
575	PNF	DNF	/	/	12
602	/	DNF	/	/	17
602	PNF	DNF	/	/	17
602	/	DF	29	23	/
606	/	/	/	/	19
611	/	/	/	/	17
611	/	/	/	/	17
632	/	/	/	/	18
641	/	/	/	/	17
673	/	/	/	/	17
674	/	DF	/	/	16
761	/	DF	28	25	18
846	/	DF	29	25	/
998	/	DF	29	24	20
1003	/	DF	27	24	19
1005	PNF	DF	26	23	/
1005	/	DF	27	/	/
1005	DNF	DF	28	25	/
1005	/	DF	28	26	/
1005	/	DF	29	26	/

TABLE 12. cont. PIG MEASUREMENTS

M3/23

PIG TIBIA

LAYER	PF	DF	1	2	3
1005	/	DF	29	26	/
1005	/	DF	33	28	
1012	PNF	DF	26	23	18
1026	/	DF	27	23	19
1096	PNF	DF	26	23	19
1096	/	DF	26	24	/
1096	PNF	DF	29	26	19
1134	/	DF	29	23	19
1143	/	DF	23	21	16
1143	/	DF	28	24	19
1145	/	DF	28	25	/
1145	PNF	DF	29	25	19
1148	/	DF	27	24	18
1154	/	DNF	/	/	17
1197	/	DF	30	25	19
2011	/	/	/	/	18
2098	/	/	/	/	16
2271	/	/	/	/	16

PIG ASTRAGALUS

LAYER	1	2	3
433	41	20	37
483	37	20	35
525	/	/	35
558	41	21	39
602	35	18	32
632	42	23	39
633	37	18	34
633	40	20	/
638	38	20	35
676	38	20	35
676	42	22	38
706	39	21	36
761	39	20	35
771	38	19	/
772	40	/	36
774	40	20	/
815	39	21	36
1005	37	19	34
1005	40	20	36
1145	44	23	41

PIG CALCANEUM

LAYER	PF	1	2	3	LENGTH
31	PNF	27	12	28	/
116	PNF	25	12	26	/
433	/	27	11	27	/
521	PNF	27	14	28	/
524	PNF	25	12	26	/
528	PF	22	11	24	58

TABLE 12.cont. PIG MEASUREMENTS

M3/24

PIG CALCANEUM

LAYER	PF	1	2	3	LENGTH
531	/	11	27	/	/
564	PNF	26	11	/	/
602	PNF	24	11	25	/
633	PNF	/	/	29	/
633	PNF	27	14	27	/
646	PF	26	10	28	72
667	PNF	24	11	26	/
673	PNF	25	11	25	/
673	/	26	/	/	/
673	PNF	26	13	28	/
690	PNF	26	12	29	/
699	PNF	27	12	28	/
1005	PF	28	13	30	78

TABLE 13. CATTLE MEASUREMENTS (mm)

M3/25

CATTLE HORN

LAYER	1	2
57	122	118
470	127	/
471	120	110
483	112	70
701	102	80
761	135	/
857	158	/
1005	/	74
1005	/	142
1005	107	95
1005	112	130
1005	130	130
1005	140	110
1005	145	140
1038	102	131
1038	104	100
1125	118	/
1148	138	140

CATTLE HUMERUS

LAYER	1	2	3	4
388	71	72	38	67
1005	/	/	/	74
1005	67	/	37	/
1005	73	/	43	/
1005	75	80	42	71
1026	66	/	36	/
1096	76	80	42	73
1160	/	/	/	43
1177	/	74	88	43
2075	/	/	44	72

CATTLE RADIUS

LAYER	1	LENGTH
761	69	/
833	67	/
857	74	/
857	81	/
875	71	/
887	70	/
1003	66	/
1003	72	/
1005	63	/
1005	66	/

CATTLE RADIUS

LAYER	1	LENGTH
1005	71	/
1005	72	/
1005	73	/
1005	80	/
1005	86	/
1005	88	/
1005	84	/
1087	66	/
1096	71	/
1145	67	/
1145	69	/
1148	83	/
1160	67	/
1193	69	/
1193	70	/
1197	67	/
2057	77	/
2126	73	/
2250	75	/
2277	63	/
2305	80	/
2314	71	/

CATTLE METACARPAL

LAYER	PF	DF	1	2	3	4	5	6	LENGTH
15	PF	/	51	30	/	/	/	/	/
38	PF	DF	56	37	54	25	57	30	175
48	PF	/	52	31	/	/	/	/	/
114	PF	/	55	34	/	/	/	/	/
142	PF	/	57	37	/	/	/	/	/
217	PF	/	48	33	/	/	/	/	/
387	PF	/	48	29	/	/	/	/	/
453	PF	/	50	/	/	/	/	/	/
525	/	DF	/	/	42	23	/	/	/
532	/	DF	/	/	51	26	57	30	/
551	/	DF	59	37	53	/	58	/	187
552	/	DF	/	/	43	/	48	/	/
582	PF	/	48	29	/	/	/	/	/
590	/	DF	/	/	43	24	46	27	/
606	PF	/	48	/	/	/	/	/	/
632	/	DF	/	/	47	25	52	27	/
633	PF	DF	43	28	40	21	45	24	160
638	/	DF	/	/	46	25	/	30	/
651	/	DF	/	/	53	27	60	33	/
660	/	DF	/	/	/	25	61	/	/
690	PF	/	59	38	/	/	/	/	/
696	PF	DF	50	30	48	25	53	/	181
761	PF	DF	54	34	51	27	54	30	192
764	/	DF	/	/	57	27	59	31	/

CATTLE METACARPAL

LAYER	PF	DF	1	2	3	4	5	6	LENGTH
846	PF	DF	49	30	46	26	49	28	172
846	PF	DF	50	30	47	26	50	30	178
846	PF	DNF	51	30	/	/	/	/	/
857	PF	DF	/	29	45	24	47	/	173
886	PF	/	50	32	/	/	/	/	/
889	PF	DNF	47	28	/	/	/	/	/
919	/	DF	/	/	43	23	48	27	/
926	PF	/	/	28	/	/	/	/	/
926	PF	DF	/	31	45	24	50	27	167
926	PF	DF	53	32	47	25	53	28	180
957	/	DF	/	/	47	24	49	/	/
1003	/	DF	/	/	53	29	54	/	/
1003	PF	/	50	29	/	/	/	/	/
1004	PF	/	55	33	/	/	/	/	/
1005	/	DF	/	/	44	23	47	26	/
1005	/	DF	/	/	46	26	50	28	/
1005	/	DF	/	/	47	24	49	27	/
1005	/	DF	/	/	48	/	/	/	/
1005	/	DF	/	/	49	26	52	29	/
1005	/	DF	/	/	55	26	58	31	/
1005	PF	/	/	31	/	/	/	/	/
1005	PF	DNF	48	30	/	/	/	/	/
1005	PF	DF	48	31	44	24	48	27	175
1005	PF	DF	50	29	50	28	50	28	176
1005	PF	DF	50	31	47	25	51	28	181
1005	PF	DF	51	30	47	23	50	28	166
1005	PF	/	51	31	/	/	/	/	/
1005	PF	DF	51	33	/	/	/	/	/
1005	PF	DNF	52	32	/	/	/	/	/
1005	PF	/	52	33	/	/	/	/	/
1005	PF	DF	53	32	49	28	52	29	182
1005	PF	/	56	34	/	/	/	/	/
1005	PF	DF	56	36	/	/	/	/	184
1005	PF	DF	57	33	50	26	57	39	168
1026	/	DF	/	/	45	24	49	27	/
1026	/	DF	/	/	47	26	46	27	/
1026	/	DF	/	/	48	/	51	/	/
1026	/	DF	/	/	52	27	54	30	/
1026	PF	DF	46	/	41	21	44	25	159
1026	PF	/	48	27	/	/	/	/	/
1026	PF	/	52	29	/	/	/	/	/
1026	PF	/	54	35	/	/	/	/	/
1032	PF	DF	52	/	50	25	54	29	175
1038	PF	DF	46	29	41	22	46	29	169
1065	PF	/	/	30	/	/	/	/	/
1087	PF	/	/	30	/	/	/	/	/
1096	PF	DNF	44	26	/	/	/	/	/
1096	PF	DNF	52	34	/	/	/	/	/
1117	/	DF	/	/	53	25	57	31	/
1117	/	DF	/	/	55	/	57	30	/
1118	/	DF	/	/	45	24	47	27	/
1119	PF	/	48	/	/	/	/	/	/
1125	PF	DF	51	32	49	27	51	30	185
1133	PF	/	52	33	/	/	/	/	/

CATTLE METACARPAL

LAYER	PF	DF	1	2	3	4	5	6	LENGTH
1143	PF	/	46	28	/	/	/	/	/
1143	PF	/	49	29	/	/	/	/	/
1148	PF	DF	/	/	45	24	/	/	173
1148	/	DF/	/	/	46	/	/	/	/
1148	PF	/	51	33	/	/	/	/	/
2008	/	DF	/	/	51	/	58	/	/
2011	PF	/	53	33	/	/	/	/	/
2054	PF	/	57	35	/	/	/	/	/
2057	PF	/	/	34	/	/	/	/	/
2057	PF	/	54	33	/	/	/	/	/
2057	PF	DF	57	34	50	26	56	31	178
2126	PF	DF	47	29	44	24	48	27	178
2255	PF	/	56	35	/	/	/	/	/
2255	PF	DF	57	34	54	26	59	31	182
2266	PF	/	58	36	/	/	/	/	/
2305	PF	/	46	30	/	/	/	/	/
3094	PF	DF	/	/	60	/	/	/	195

CATTLE PELVIS

LAYER	1
16	22
348	9
514	16
531	12
552	13
632	5
651	10
690	11
752	8
761	8
820	15
881	11
885	17
946	15
950	8
1003	14
1005	9
1005	9
1005	10
1005	10
1005	11
1005	11
1026	12
1048	9
1143	6
1145	5
1145	10
1148	19
1160	4

CATTLE TIBIA

LAYER	1	2
33	56	/
38	54	41
172	52	38
525	54	/
527	52	36
534	56	39
660	51	38
661	53	39
664	58	41
674	54	40
674	58	42
712	54	/
761	58	43
821	52	/
846	53	40
906	/	41
920	50	35
920	57	/
926	52	36
1005	52	38
1005	53	40
1005	55	/
1005	55	38
1005	55	40
1005	58	40
1005	59	41
1005	61	44
1005	65	45
1013	53	40
1026	/	39
1026	49	37
1026	56	41
1026	65	46
1038	63	45
1087	54	40
1096	51	39
1096	53	38
1096	54	37
1096	55	41
1096	61	49
1096	63	44
1143	60	45
1148	54	/
1154	56	40
2057	52	38
2124	57	42
2314	53	38
2314	57	43
2314	63	44

CATTLE ASTRAGALUS

LAYER	1	2	3
1	59	33	52
5	61	35	54
7	52	28	48
48	/	28	46
57	57	31	53
143	59	33	54
143	53	35	58
173	/	/	53
433	/	/	53
433	/	/	60
473	63	35	56
528	64	34	89
574	59	32	53
629	61	33	55
633	61	33	56
641	55	31	50
674	61	33	55
677	55	30	51
751	55	31	52
761	57	33	51
833	63	33	58
865	64	36	58
887	58	31	52
920	63	34	58
988	60	32	55
1005	/	/	56
1005	/	34	57
1005	/	34	59
1005	55	30	50
1005	57	31	53
1005	58	31	53
1005	58	32	53
1005	58	32	55
1005	59	33	55
1005	60	33	56
1005	61	33	55
1005	62	35	58
1005	63	35	59
1005	64	34	58
1005	64	35	/
1006	57	31	/
1026	/	/	54
1026	63	35	58
1087	/	33	/
1087	67	37	60
1096	55	30	51
1096	58	32	53
1096	61	34	55
1125	60	32	55
1143	58	32	52
1148	60	33	54
1148	61	34	58
1148	67	/	60
1154	31	35	55

CATTLE ASTRAGALUS

LAYER	1	2	3
1155	57	30	54
2177	59	32	54
2213	57	31	50
2271	/	/	50
2304	59	32	53

CATTLE CALCANEUM

LAYER	1	2	3	LENGTH
348	48	26	53	134
433	49	25	54	/
606	42	21	42	111
674	45	30	/	130
712	39	23	45	109
857	45	28	/	126
1005	42	/	/	123
1005	44	23	47	117
1005	45	25	50	131
1005	45	27	53	/
1005	48	25	51	125
1110	42	25	/	119
1145	44	25	47	121
2103	48	27	/	127
2271	40	21	43	113
2305	47	27	52	135
3071	44	25	48	118

CATTLE METATARSAL

LAYER	PF	DF	1	2	3	4	5	6	LENGTH
11	PF	/	50	46	/	/	/	/	/
143	/	DF	/	/	41	24	46	26	/
154	PF	/	41	41	/	/	/	/	/
166	PF	/	43	45	/	/	/	/	/
291	PF	/	42	40	/	/	/	/	/
291	PF	/	45	42	/	/	/	/	/
348	PF	/	34	30	/	/	/	/	/
369	/	DF	/	/	41	/	43	/	/
433	/	DF	/	/	40	/	/	/	/
433	PF	/	39	38	/	/	/	/	/
473	/	DF	/	/	47	31	54	31	/
527	/	DF	/	/	48	/	50	29	/
552	PF	DF	37	37	39	23	41	24	184
563	PF	/	47	47	/	/	/	/	/
632	/	DF	/	/	42	25	47	26	/
632	PF	/	41	40	/	/	/	/	/
632	PF	/	44	42	/	/	/	/	/
633	/	DF	/	/	48	/	51	/	/
660	PF	/	49	46	/	/	/	/	/
675	PF	/	50	47	/	/	/	/	/
696	PF	DF	45	42	48	29	51	30	206
737	/	DF	/	/	45	27	/	/	/

TABLE 13 cont. CATTLE MEASUREMENTS

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CATTLE METATARSAL

LAYER	PF	DF	1	2	3	4	5	6	LENGTH
820	/	DF	/	/	44	24	47	27	/
1005	/	DF	/	/	40	/	44	/	/
1005	PF	DF	/	/	41	24	44	26	185
1005	PF	DF	/	/	41	26	43	27	199
1005	/	DF	/	/	44	26	44	28	/
1005	/	DF	/	/	45	/	/	/	/
1005	/	DF	/	/	51	/	52	/	/
1005	/	DF	/	/	54	32	58	35	/
1005	/	DF	/	/	60	31	63	32	/
1005	PF	DNF	38	/	/	/	/	/	/
1005	PF	DF	39	36	39	22	41	25	193
1005	PF	/	42	43	/	/	/	/	/
1005	PF	DF	46	42	/	/	/	/	215
1005	PF	DF	48	46	/	/	/	/	209
1026	/	DF	/	/	39	23	42	27	/
1026	/	DF	/	/	42	25	44	/	/
1026	/	DF	/	/	46	27	48	38	/
1026	/	DF	/	/	50	/	/	/	/
1026	PF	DF	37	38	39	24	43	27	196
1026	PF	/	39	38	/	/	/	/	/
1026	PF	/	39	39	/	/	/	/	/
1026	/	DF	41	23	45	26	/	/	/
1026	PF	/	41	41	/	/	/	/	/
1065	/	DF	/	/	41	22	45	26	/
1096	PF	DF	43	41	46	27	46	28	207
1096	PF	DNF	45	46	/	/	/	/	/
1096	PF	DF	47	44	47	28	50	29	200
1096	PF	DF	47	45	/	/	/	/	/
1120	PF	/	41	42	/	/	/	/	/
1120	PF	/	42	43	/	/	/	/	/
1134	/	DF	/	/	42	/	44	26	/
1143	PF	DF	44	40	45	27	47	29	213
1145	PF	DNF	45	43	/	/	/	/	/
1148	PF	DF	38	39	/	/	/	/	198
1181	/	DF	/	/	46	27	50	28	/
1191	PF	DF	45	45	/	/	/	/	209
2037	PF	/	42	/	/	/	/	/	/
2098	PF	DF	37	37	40	/	43	26	197
2124	/	DF	/	/	44	26	/	/	/
2126	PF	DF	/	37	39	23	43	26	196
2271	PF	/	44	45	/	/	/	/	/

TABLE 14. SUMMARY OF FUSION DATA

		SHEEP/GOAT		FUSED		NOT-FUSED	
		NO	%	NO	%		
< 10-16 mo	HUMERUS DF	170	93.9	11	6.1		
	RADIUS PF	213	96.4	8	3.6		
	PHALANGE 1 PF	44	100	0	0		
	PHALANGE 2 PF	3	100	0	0		
	TOTAL	430	95.8	19	4.2		
< 1½-2½ y	METACARPAL DF	64	77.1	19	22.9		
	METATARSAL DF	60	82.2	13	17.8		
	CALCANEUM PF	24	63.2	14	36.8		
	TIBIA DF	186	84.9	33	15.1		
	ULNA PF	14	51.9	13	48.1		
TOTAL	348	79.1	92	20.9			
< 2½-3½ y	HUMERUS PF	11	47.8	12	52.2		
	RADIUS DF	74	64.9	40	35.1		
	FEMUR PF	14	40.0	21	60.0		
	FEMUR DF	21	53.8	18	46.2		
	TIBIA PF	12	29.3	29	70.7		
TOTAL	132	52.4	120	47.6			

KEY DF = Distal epiphysis fused
 DNF = Distal epiphysis not-fused

TABLE 14 cont. SUMMARY OF FUSION DATA

AGE	BONE	FUSED		NOT-FUSED	
		NO	%	NO	%
< 1 year	HUMERUS DF	72	62.6	43	37.4
	RADIUS PF	111	86.7	17	13.3
	PHALANGE 2 PF	7	85.5	1	12.5
	TOTAL	190	76.3	59	23.7
< 2-2½ y	CALCANEUM PF	7	11.3	55	88.7
	METATARSAL DF	9	10.2	79	89.8
	METACARPAL DF	16	15.5	87	84.5
	PHALANGE 1 PF	11	42.3	15	57.7
	TIBIA DF	39	34.5	74	65.5
TOTAL	82	20.9	310	79.1	
< 3-3½ y	HUMERUS PF	2	10.5	17	89.5
	RADIUS DF	5	11.1	40	88.9
	FEMUR PF	2	4.7	41	95.3
	FEMUR DF	3	6.7	42	93.3
	TIBIA PF	2	4.8	40	95.2
	ULNA PF	3	6.1	46	93.9
TOTAL	17	7	226	93	

KEY DF = Distal epiphysis fused
DNF = Distal epiphysis not-fused

TABLE 14 cont. SUMMARY OF FUSION DATA

CATTLE

	FUSED		NOT-FUSED		
	NO	%	NO	%	
< 1-1½ y	HUMERUS DF	80	86	13	14
	RADIUS PF	125	96.9	4	3.1
	PHALANGE 1 PF	181	93.3	13	6.7
	PHALANGE 2 PF	86	96.6	3	3.4
	TOTAL	472	93.5	33	6.5
< 2-3 y	METACARPAL DF	60	71.4	24	28.6
	METATARSAL DF	58	79.5	15	20.5
	TIBIA DF	69	74.2	24	25.8
	TOTAL	187	74.8	63	25.2
< 3½-4 y	ULNA PF	8	53.3	7	46.7
	HUMERUS PF	11	35.5	20	64.5
	RADIUS DF	35	41.2	50	58.8
	FEMUR PF	34	42.0	47	58.0
	FEMUR DF	19	35.2	35	64.8
	TIBIA PF	19	36.6	29	60.4
TOTAL	126	40	188	59.9	

KEY DF = Distal epiphysis fused
DNF = Distal epiphysis not-fused

TABLE 15. SUMMARY OF MANDIBLE STAGES

SHEEP/GOAT

	NO	%
< 6 months	9	12
6-12 months	5	7
1-2 years	14	19
2-3 years	23	31
3-4 years	13	17.5
4-5 years	10	13.5
TOTAL	74	

PIG

< 4-6 months	2	3
6-13 months	28	38
13-22 months	32	44
2-3 years	10	13.5
4-5 years	1	1.5
TOTAL	73	

CATTLE

< 5-6 months	3	6
6-18 months	8	16
18-30 months	3	6
> 3 years	36	72
TOTAL	50	

Methods: macrofossils (sampling and extraction).

As at Site 421 the methods used for extraction of macrofossils were those of Kenward *et al* (1980). Two sample series were taken: a series of large samples for bulk sieving on site and a series of smaller samples for laboratory analysis.

Samples were taken almost entirely from well-sealed clearly defined contexts (pits, gulleys, post-holes, ovens and floor-levels) although a few 'control' samples were taken from open contexts similar to those encountered at 421N, for the sake of comparison (e.g. 1137 (Sample 34), a depression in the foreshore brushwood platform). Most of these samples were intended for biological analysis, but samples 1 (1001), 2 (66), 3 (26), 4 (237), 5 (12), 7 (414), 15 (1117), 21 (1117), 29 (736) and 30 (722) were taken for chemical analysis of patches of reddish staining thought possibly to be related to dyeing and of other apparent chemical precipitates.

The sizes of the bulk samples were recorded as numbers of buckets of soil:

BS1 (<u>390</u>)	3 buckets	BS8 (<u>1095</u>)	2 buckets	BS15 (<u>1120</u>)	2 buckets
BS2 (<u>1043</u>)	2 "	BS9 (<u>1117</u>)	2 "	BS16 (<u>1117</u>)	2 "
BS3 (<u>1043</u>)	1 "	BS10 (<u>531A</u>)	3 "	BS17 (<u>1122</u>)	1 "
BS4 (<u>1043</u>)	1 "	BS11 (<u>1117</u>)	3 "	BS18 (<u>1032</u>)	1 "
BS5 (<u>503</u>)	1 "	BS12 (<u>719</u>)	2 "	BS19 (<u>2003</u>)	3 "
BS6 (<u>1064</u>)	3 "	BS13 (<u>531A</u>)	1 "	BS20 (<u>1159</u>)	1 "
BS7 (<u>1093</u>)	2 "	BS14 (<u>531B</u>)	3 "	BS21 (<u>814</u>)	1.5 "

These were processed in a bulk-sieving tank, using a 0.5mm mesh to collect the flots and a 1mm mesh to retain the residue. Flots and residues were dried before sorting in the laboratory. Only the fractions >2mm of the flots were examined, but the entire flots have been retained for any future examination. The residues, sieved to 1mm were completely sorted. Mollusca, mineralised arthropods (mainly fly puparia), avian eggshell, bone and mineralised plant macrofossils were recovered mainly from the residues, most other plant remains from the flots.

The samples processed in the laboratory were disaggregated by soaking in hot water or, for the more compacted organic deposits, by prolonged soaking in NaOH solution. Following Kenward et al (ibid) the organic fractions of samples were separated from the mineral residues by wash-over. Organic material was then graded in a sieve-bank using a minimum mesh of 250 microns and sorted wet under a binocular microscope at low power. The residues were wet-sieved in a 500 micron mesh, and dried before sorting.

Samples from 1118 required special treatment before disaggregation. This deposit was a highly compacted almost purely organic layer and was sampled as intact blocks. By splitting these blocks along natural planes of cleavage it proved possible to isolate some unusually intact macrofossils including articulated fish skeletons, crushed avian eggs, masses of fly puparia, leaves, stems and capsules. Specimens exposed were photographed and a few examples were conserved, but for purposes of identification most specimens had to be removed from the matrix.

Methods: plant macrofossils (details of extraction and identification)

As noted above only specimens larger than 2mm were extracted from the flots from bulk sieving. The finer fractions of these flots contained enormous numbers of smaller seeds, but it was thought to be preferable to obtain assemblages of such smaller macrofossils under more controlled conditions in the laboratory. The organic fractions of the laboratory samples were graded to 2mm, 0.5mm and 0.25mm following washover. Seeds were most abundant in the 2-0.5mm fraction. In some samples the fine fraction (0.5-0.25mm) was not totally sorted, but only partly scanned over: generally this fraction contained only a very restricted range of seeds (predominantly Juncus spp. with rare Papaveraceae, underdeveloped Chenopodiaceae etc.). Sorting of sample 13 (1093) was abandoned since plant macrofossils were exceedingly rare. From samples 26 (1119) and 38 (1122) only charred plant remains (mainly cereals) were extracted and in the case of these two samples both the flot/washover fractions and the residues were air-dried before sorting.

Identifications were made initially using standard reference works, but all identifications were verified by comparison with modern reference material. Identification of certain categories of macrofossils and certain taxa has not

been attempted since it was not thought that the necessary expenditure-of-time would yield an adequate return in terms of increased information. Thus Gramineae caryopses and Carex nutlets have not been specifically determined, and plant fibres and indeterminate crushed culm and stem fragments have not been examined in any detail.

Macrofossils from bulk-sieving are listed in Table 23 (fiche) and those from laboratory samples are listed in Tables 24 - 27 (fiche).

Methods: mollusca, avian eggshell (extraction, identification)

Marine mollusc shell and avian eggshell fragments and rare shells of terrestrial and freshwater molluscs were present in the residues from bulk sieving to 1mm, and further material was extracted from the residues of laboratory samples, wet-sieved to 0.5mm. Mollusca were identified using Kerney and Cameron (1979), Macan (1969), McMillan (1968) and Tebble (1976). Mollusc identifications are listed in Tables 21 and 22 (fiche). From each sample of avian eggshell fragments a maximum of thirty thickness measurements were obtained using a flat-jawed micrometer screw gauge. The measurements are listed in Table 16(fiche).

Table 16. (fiche)

M3/40

450N: Avian Eggshell thicknesses (mm)

BS 1.	0.31	0.31	0.31	0.29	0.32	0.29					
2.	0.46	0.26									
3.	0.12*	0.30	0.28				*?not eggshell				
4.											
5.	0.34	0.25	0.29	0.29	0.30	0.33	0.49	0.34	0.28	0.29	0.65
6.	0.30	0.34	0.32	0.32	0.35	0.33	0.34	0.36	0.34	0.27	
	0.33	0.34	0.33	0.35	0.31	0.35	0.33	0.29	0.45	0.37	
	0.32	0.31	0.32	0.30	0.33	0.29	0.34	0.30	0.32	0.30	
7.	0.32										
8.	0.45	encrusted									
9.	0.29	0.24	0.33	0.31	0.31	0.31	0.30	0.24	0.29	0.31	
	0.31	0.38	0.26	0.30	0.27	0.31	0.33	0.35	0.30	0.34	
	0.62	0.32	0.29	0.30	0.29	0.33	0.35	0.32	0.38	0.37	
10.											
11.	0.57	0.58	0.30	0.34	0.57	0.28	0.29	0.33	0.28	0.60	
	0.27	0.31	0.60	0.60	0.29	0.31	0.27	0.30	0.32	0.36	
	0.30	0.26	0.33	0.33	0.34	0.32	0.26	0.30	0.30	0.35	
12.	0.32	0.29	0.31	0.31	0.30	0.32	0.28	0.48	0.33	0.31	
	0.28	0.29	0.30	0.29	0.28	0.36	0.31	0.28	0.32	0.33	
	0.31	0.33	0.37	0.27	0.31	0.34	0.32	0.27	0.32	0.29	
13,14.											
15.	0.33	0.36	0.32	0.28	0.31	0.33	0.36	0.33	0.37	0.35	
	0.35	0.38	0.39	0.33	0.30	0.36	0.33	0.33	0.37	0.36	
	0.31	0.32	0.32	0.32	0.30	0.35	0.38	0.39	0.27	0.34	
16.	0.28	0.27	0.28	0.31	0.29	0.38	0.39	0.28	0.35	0.30	
	0.35	0.25	0.66	0.33	0.31	0.36	0.28	0.32	0.31	0.32	
	0.33	0.26	0.29	0.28	0.29	0.30	0.33	0.30	0.27	0.28	
17.	0.27	0.30									
18.	0.54	0.53	0.53	0.50	0.50	0.56	0.58	0.59	0.59	0.50	
	0.58	0.58	0.25	0.48	0.60	0.32	0.58	0.43	0.48	0.31	
	0.55	0.32	0.35	0.51	0.55	0.31	0.60	0.53	0.55	0.25	
19.	0.30	0.29	0.28	0.36	0.30	0.29	0.31	0.30	0.28	0.28	
	0.35	0.31	0.27	0.38	0.32	0.30	0.42	0.31	0.31	0.30	
	0.31	0.28	0.31	0.31	0.33	0.28	0.28	0.31	0.31	0.30	
20.	0.16	0.30	0.33	0.31	0.33	0.10	0.32	0.28	0.18	0.17	
	0.28	0.22	includes apparently abraded fragments								

BS 21.	0.35	0.33	0.36	0.34	0.33	0.33	0.31	0.33	0.31	0.26
	0.34	0.33	0.35	0.30						

Intact egg from 1118. 0.29 0.29 0.34

TABLE 18 FISH

Period I (Phases 1 and 2)
 (Phase I 1 ?Late tenth - Early eleventh century)
 (Phase I 2 Mid eleventh century)

	1043	1093	1095	531A	531B	1159	3111	3113	3114	920	
Roker	3	-	1	-	-	1	-	-	-	-	5
Elasmo.	-	1	-	4	1	-	-	-	-	-	6
Eel	66	33	6	27	14	4	13	4	2	1	170
Herring	65	48	30	529	1191	53	1	-	11	-	1928
Trout	1	-	-	1	-	-	-	-	-	-	2
Smelt	5	-	-	-	15	1	-	-	-	-	21
Cyprinid	-	-	-	1	-	-	6	-	-	-	7
Chub	-	-	-	-	-	-	1	-	-	-	1
Roach	-	-	-	-	-	-	1	-	-	-	1
Cod	2	1	-	25	65	-	-	-	-	-	93
Haddock	1	2	1	3	-	-	-	-	-	-	7
Whiting	12	3	4	12	15	-	-	-	-	-	46
Gadoid	29	6	6	12	57	-	-	-	-	-	110
Gurnard	-	-	-	-	2	-	-	-	-	-	2
Scad	-	3	-	2	4	-	-	-	-	-	9
Mackerel	1	-	-	2	4	-	-	-	-	-	7
Plaice	1	-	-	-	33	1	-	-	-	-	35
Flounder	-	1	-	-	-	-	-	-	-	-	1
Sole	1	-	-	-	-	-	-	-	-	-	1
Flatfish	-	1	2	10	9	-	-	-	-	-	22
Unident.	146	136	3	441	810	64	12	10	-	1	1623
TOTAL	333	235	53	1069	2220	124	34	14	13	2	

Elasmo = Elasmobranch

TOTAL = 4097

Contexts

Phase I 1 1043 = Pit 1042

1159 = Wickerlined pit 1164

1093 = Pit 1092

3111 = Pit 3092

1095 = Pit 1094

3113 = " "

Phase I 2 531A = Pit 530

3114 = " "

531B = " "

920 = " "

TABLE 19 FISH

Period II (Phases 1 and 2)
 (Phase II 1 First half of twelfth century)
 (Phase II 2 Second half of twelfth and thirteenth century)

	1118	719	1117	1119	1120	1122	503	814	1064	1090	1032	2081	
Roker	-	-	5	-	-	-	-	-	1	-	-	-	6
Elasmo.	-	-	3	-	1	-	-	-	-	2	-	-	6
Eel	-	4	8	1	-	-	-	-	-	1	2	-	16
Herring	104	93	102	1	26	13	91	1	24	3	35	2	495
Trout	-	-	-	-	1	-	-	-	-	-	-	-	1
Cod	10	3	12	-	3	1	1	-	-	-	5	-	35
Haddock	-	-	-	-	-	-	-	-	-	1	-	-	1
Whiting	-	3	8	-	1	-	10	-	-	-	-	-	22
Gadoid	-	30	12	-	-	2	9	-	1	-	-	-	54
Percoid	-	-	1	-	-	-	-	-	-	-	-	-	1
Mackerel	-	1	2	-	-	-	1	-	-	-	-	-	4
Plaice	-	3	2	-	-	-	1	-	-	-	1	-	7
Flatfish	-	-	1	-	-	-	-	-	-	-	-	-	1
Unident.	13	22	205	9	24	-	95	1	69	16	47	4	505
TOTAL	127	159	361	11	56	16	208	2	95	23	90	6	

Contexts		TOTAL = 1154
Phase II 1	1118 = Lining of gully 562	
	719 = " " " "	
	1117 = Fill of gully 562	
	1119 = " " " " at interface with 1118	
	1120 = " " " "	
	1122 = " " " "	
	503 = Layer at street frontage	
	814 = Pit fill 370 at street frontage	
Phase II 2	1064 = Pit fill 1061	
	1032 = Fill of gully 562	
	2081 = Floodwater deposit in stone building 2100	

TABLE 20 FISH

M3/44

Period III (Phases 1,2 and 3)
 (Phase III 1 c1300 - c.1400)
 (Phase III 2 c1400 - c.1450)
 (Phase III 3 c1450 - c.1550)

	390	466	271	2	Total	2003
Roker	1	-	-	-	1	-
Elasmo.	2	-	-	-	2	-
Eel	52	-	3	-	55	30
Herring	232	3	106	38	379	39
Salmon	1	-	-	-	1	-
Smelt	4	-	-	-	4	-
Cyprinid	-	-	-	-	-	6
Chub	-	-	-	-	-	1
Cod	-	-	6	1	7	-
Haddock	-	-	3	-	3	-
Whiting	25	-	-	-	25	4
Gadoid	-	-	1	7	8	-
Mackerel	15	-	-	-	15	-
Plaice	10	-	10	-	20	-
Flounder	2	-	-	-	2	2
Flatfish	2	-	6	-	8	1
Unident.	397	-	230	53	680	102
TOTAL	743	3	365	99	1210	185

Contexts

Phase III 1 390 = Layer at street frontage
 466 = Chalk surface

Phase III 2 271 = Fill of post hole
 2 = Layer at street frontage

Phase III 3 2003 = Deposit at base of cesspit

<u>Valvata cristata</u> Müller	7
<u>Valvata piscinalis</u> (Müller)	7
<u>Valvata</u> sp	6
<u>Bithynia tentaculata</u> (Linné)	3
<u>Bithynia</u> sp	6
<u>Bithynia</u> sp (opercula)	69
<u>Lymnaea</u> sp	8
<u>Planorbis planorbis</u> (Linné)	2
<u>Gyraulus albus</u> (Müller)	1
<u>Planorbis</u> sp	5
<u>Vallonia</u> sp	1
Indeterminate gastropods (crushed etc)	15
Unionidae (valve fragments)	+
Sphaeriacea (valves)	20

Table 21: Land and freshwater mollusca from 414.

Many specimens in this sample are crushed or deformed by heat.

2:B.7

Sample No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Context No.	390	1043	1043	1043	503	1064	1093	1095	1117	531A	1117	719	531A	531B	1120	1117	1122	1032	2003	1159	814
<i>Ostrea edulis</i> L. uv	1	1	1	1	-	5	1	+	+	3	5	1	-	1	1	-	+	1	-	+	+
lv	-	-	-	-	+	5	1	+	-	5	1	4	+	1	1	2	+	3	1	+	+
<i>Mytilus edulis</i> L.	+	2	2	+	+	+	1	+	-	+	+	+	-	1	-	+	+	-	-	-	-
<i>Cerastoderma edule</i> (L)	+	-	-	-	-	+	-	+	-	-	-	+	-	-	-	-	-	-	-	+	-
<i>Buccinum undatum</i> L.	-	-	-	-	-	+	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-
<i>Neptunea antiqua</i> (L)	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Littorina littorea</i> (L)	-	+	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
Indet bivalve	+	-	-	+	-	+	-	-	-	-	-	-	-	-	-	1	+	-	-	-	-
Indet gastropod	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 22: Marine mollusc shell from Site 450

Abbreviations: uv - upper (right) valve.
 lv - lower (left) valve.
 + - non-hinge or non-apical fragments only.

113/46

Table 23

Bulk Sample No.		1	2	3	4	5	6	7	8	9	10
Context No.		390	1043	1043	1043	503	1064	1093	1095	1117	531A
No. of buckets processed		3	2	1	1	1	3	2	2	2	3
	Cereal indet.	ca	1(c)	2(m)	-	-	- 15(c)/1(m)	1(c)	2(c)	-	1(c)
	<i>Hordeum</i> sp (hulled)	ca	2(c)	1(c)	-	1(c)	- 22(c)	-	4(c)	-	3(c)
	<i>Triticum aestivum</i> s.l.	ca	-	1(c)	2(c)	-	1(c)	-	1(c)	-	-
Cereals	<i>Secale cereale</i> L	ca	-	-	2(c)/2(m)	-	-	1(c)	5(c)	2(c)	-
	<i>Avena sativa</i> L	ca + flo	-	-	-	-	2(c)	-	-	-	-
	<i>Avena</i> sp	ca	-	-	-	-	-	-	-	-	-
Bean	<i>Vicia faba</i> L	t	-	-	1	-	-	-	-	-	-
Coriander	<i>Coriandrum sativum</i> L	f	-	-	-	-	-	-	-	-	-
	<i>Rubus fruticosus</i> agg	fs	-	7	5	-	-	-	-	-	-
	<i>Prunus spinosa</i> L	fs	-	7	10	-	-	1	-	-	-
	<i>Prunus domestica</i> s.l. (small forms)	fs	-	3	8	-	-	-	-	-	-
	<i>Prunus domestica</i> s.l. (large forms)	fs	-	-	-	-	1fr	-	-	-	-
	<i>Prunus avium</i> -type	fs	-	-	-	-	-	1fr	-	-	-
Fruits	<i>Prunus</i> sp	fs	-	-	2	-	-	-	-	-	-
	<i>Malus sylvestris</i> /domestica	s	-	6	5	-	-	1	-	-	-
	<i>Mespilus germanica</i> L	fs	-	-	-	-	-	-	-	-	-
	<i>Morus nigra</i> L	s	-	-	-	-	-	-	-	-	-
	<i>Vitis vinifera</i> L	s	-	-	-	-	-	-	-	-	-
	<i>Sambucus nigra</i> L	s	-	-	-	2	-	2	1	-	-
	<i>Corylus avellana</i> L	nu fr	-	+	-	+	+	+	+	+	+
Nuts	<i>Juglans regia</i> L	nu fr	-	-	-	-	+	-	-	-	-
Hemp	<i>Cannabis sativa</i> L	f	-	6	2	-	1	3	1	-	-
Wetland plants	<i>Menyanthes trifoliata</i> L	s	-	-	-	-	-	-	-	1	-
	<i>Carex</i> sp	nu	-	-	-	-	-	-	-	-	-
	<i>Brassica</i> sp	s	-	-	-	-	-	-	-	-	-
	<i>Raphanus raphanistrum</i> L		-	2si	2si	-	5si	-	-	3si	1(c)si
	<i>Agrostemma githago</i> L	s	-	1	-	-	9	-	-	-	-
	<i>Vicia</i> sp	s	-	-	-	-	-	-	-	1(c)	-
	Umbelliferae indet	f	-	-	-	-	-	-	-	-	-
	<i>Polygonum persicaria</i> / <i>lapathifolium</i>	n	-	-	-	-	-	-	-	1	-
Segetals	<i>Polygonum convolvulus</i> L	n	-	1	-	-	-	-	-	-	-
	<i>Lithospermum arvense</i> L	n	-	-	-	-	-	-	-	-	-
	<i>Galeopsis</i> sp	n	-	-	-	-	1	-	-	-	-
	<i>Galium aparine</i> L	f	-	-	-	-	1(c)	-	-	-	-
	<i>Centaurea cyanus</i> L	f	-	-	-	-	-	-	-	-	-
	<i>Bromus mollis</i> /secalinus	ca	-	-	-	-	1(c)	(c)	-	-	-
	<i>Lolium temulentum</i> -type	ca	-	-	-	-	-	-	-	-	-
	Gramineae indet	ca	-	-	-	-	-	-	1(c)	-	-
	<i>Pteridium aquilinum</i> (L) Kuhn	st	-	-	-	-	+	-	-	-	-
Stems, leaves etc	<i>Ilex aquifolium</i> L	lf + fr	-	-	-	-	+	-	-	+	-
	Cereal culm frags		-	-	-	-	+	-	-	-	-
	Stem frags (indet)		-	+	+	-	+	-	-	-	-
	Buds (indet)		-	-	+	-	-	-	-	-	-
	Fibres (indet)		-	-	-	-	-	-	-	-	-
	Indeterminate seeds etc		1	7	-	-	8	-	-	1	-

Table 23: Plant macrofossils larger than 2mm extracted by bulk-sieving

Abbreviations: c - carbonised; ca - caryopses; f - fruit; fr - fragments;
 fs - fruitstones; flo - floret; lf - leaf; m - mineralised;
 nu - nutshell; n - nutlet; s - seed; si - siliqua fragments;
 st - stem fragments; t - testa fragment with hilum.

M3/49

Sample No.		26	38
Context No.		1119	1122
<u>Hordeum</u> sp		43	37
<u>Secale cereale</u> L		98	2
<u>Triticum aestivum/compactum</u>	ca	8	2
<u>Avena</u> sp		31	9
Cereal indet.		70	20
<u>Hordeum</u> cf. <u>distichum</u> L	rn	25	20
<u>Hordeum</u> sp	brn	1	2
<u>Secale cereale</u> L	rn	68	6
<u>Secale cereale</u> L	lfr	+	-
<u>Secale</u> , <u>Hordeum</u> , <u>Avena</u>	afr	+	+
<u>Avena</u> cf. <u>sativa</u> L	flo	-	4
<u>Avena</u> sp	flo	4	-
Cereal indet.	rn	-	2
Cereal indet.	cn	4	+++ (inc. fr)
<u>Pteridium aquilinum</u> (L) Kuhn	pi	+	-
<u>Brassica</u> sp		-	3
<u>Raphanus raphanistrum</u> L		2+fr	-
Cruciferae indet.		1	-
<u>Agrostemma githago</u> L		10+fr	-
<u>Stellaria media</u> -type		2	-
<u>Spergula arvensis</u> L		11	4
Caryophyllaceae indet.		1	-
<u>Chenopodium album</u> L		2	-
Chenopodiaceae indet.		8	1
<u>Linum usitatissimum</u> L		1	-
<u>Vicia faba</u> L var <u>minor</u>		1	-
<u>Vicia</u> cf. <u>hirsuta</u> (L) S F Gray		10	-
<u>Vicia</u> sp		87	-
Leguminosae indet.		2	4
<u>Rumex</u> sp		4	-
Polygonaceae indet.		-	1
<u>Corylus avellana</u> L	ns,fr	+	-
<u>Calluna vulgaris</u> (L) Hull	c,lfr,sh	+	+
<u>Lithospermum arvense</u> L		8	-
<u>Plantago lanceolata</u> L		1	-
<u>Anthemis cotula</u> L		13	-
Compositae indet.		2	-
<u>Carex</u> sp		1	3
<u>Bromus mollis/secalinus</u>		-	3
Gramineae indet.		11	3
Indeterminate		8	11
Sample weight (kg)		1 (50% sorted)	2

Table 24: Charred cereal/segetal assemblages from 450N

Taxa are represented by fruits or seeds except where indicated.
a - awns; brn - basal rachis nodes; c - capsules; ca - caryopses; cn - culm nodes;
flo - florets; fr - fragments; l - lemma; lf - leaf; ns - nutshells; pi - pinnules;
rn - rachis nodes; sh - shoots.

Table 26

M3/50-51

Sample No.	11	18G	45	55	16	50	46	47
Context No.	1064	1118	814	2305	1043	3111	1159	2003
Charophyte (oogonia)	-	-	-	-	+	-	-	-
<u>Pteridium aquilinum</u> (L) Kuhn (pinnules etc)	+	++	+	++	-	-	+	+
<u>Ranunculus acris/repens/bulbosus</u>	-	4	1	1	-	3	-	2
<u>Ranunculus cf flammula</u> L	-	1	-	3	-	-	-	-
<u>Papaver rhoeas</u> L	-	-	-	3	-	-	-	1
<u>Papaver cf. hybridum</u> L	-	1	-	-	-	-	-	-
<u>Papaver argemone</u> L	10	6	2	12	1	-	1	-
<u>Papaver somniferum</u> L	-	1	-	-	-	-	11	-
<u>Brassica</u> sp	4	8+fr	19	2	2+fr	2+fr	fr	18
<u>Raphanus raphanistrum</u> L (siliqua frag)	1	5+fr	2	3	fr	-	-	-
Cruciferae indet.	-	3	-	-	-	-	-	-
<u>Thlaspi arvense</u> L	-	-	-	-	-	1	-	-
<u>Reseda luteola</u> L	6	-	-	-	-	-	-	-
<u>Reseda</u> sp	-	1	-	-	1	-	-	20
<u>Hypericum</u> sp	1	-	-	-	-	-	-	-
<u>Silene cf. alba</u> (Miller) Krause	-	-	1	-	1	-	-	-
<u>Silene</u> sp	12	1	-	-	-	-	-	2
<u>Lychnis flos-cuculi</u> L	-	-	2	-	-	1	-	-
<u>Agrostemma githago</u> L	27+fr	20+fr	128	19	2+fr	3+fr	fr	1+fr
<u>Stellaria media</u> -type	5	6	4	-	2	37	-	-
<u>Stellaria graminea</u> L	-	-	1	-	-	-	-	-
<u>Spergula arvensis</u> L	11	9	-	-	-	-	fr	-
<u>Scleranthus cf. annuus</u> L	-	cfl	-	-	-	-	-	-
Caryophyllaceae indet.	-	2	-	-	-	-	-	-
<u>Chenopodium album</u> L	116	7	37	76	37	60	12	8

<u>Chenopodium</u> sp	-	-	-	-	-	-	2	-	M3/52-53
<u>Atriplex patula/hastata</u>	9	5	-	6	5	2	-	1	
Chenopodiaceae indet.	-	1	11	2	2	-	-	-	Table 26 (Cont.)
<u>Linum usitatissimum</u> L (seeds)	;	2	3	5	-	1fr	9	-	
<u>Linum usitatissimum</u> L (capsule frags)	?	-	2	-	-	-	-	-	
<u>Ilex aquifolium</u> L (leaves)	+	+	-	-	-	-	-	-	
<u>Vicia faba</u> L. (testa fragments)	-	-	-	-	-	+++	-	-	
<u>Vicia</u> sp (carbonised)	1	-	-	-	-	-	-	-	
? <u>Pisum sativum</u> L (testa frags)	-	-	-	-	-	+	-	-	
Leguminosae indet. (seeds)	-	11	-	-	fr	-	-	-	
Leguminosae indet. (legume frags)	-	1	-	-	-	-	-	-	
<u>Filipendula ulmaria</u> (L) Maxim	1	2+fr	-	-	-	-	-	-	
<u>Rubus fruticosus</u> agg.	-	-	-	-	346	28	-	-	
<u>Rubus idaeus</u> L	-	-	-	-	-	9	-	-	
<u>Rubus</u> sp	-	-	-	-	-	1	-	-	
<u>Potentilla</u> sp	2	-	-	1	-	-	-	-	
<u>Fragaria vesca</u> L	-	-	-	-	10	9	17	20	
<u>Aphanes arvensis/microcarpa</u>	3	-	-	-	-	2	-	-	
<u>Prunus spinosa</u> L	-	-	-	-	4	-	-	-	
<u>Prunus spinosa</u> -type (thorns)	-	-	-	-	-	+	-	-	
<u>Prunus domestica</u> (small forms)	-	-	-	-	-	3	8	-	
<u>Prunus domestica</u> (large forms)	-	-	-	-	-	-	-	4	
<u>Prunus</u> cf. <u>avium</u> L	-	-	-	-	-	-	4	1+fr	
<u>Malus sylvestris/domestica</u>	-	-	-	1	-	5	8	fr	
<u>Mespilus germanica</u> L	-	-	-	-	-	-	1	-	
<u>Hydrocotyle vulgaris</u> L	1	1	1	1	-	-	-	-	
cf. <u>Torilis</u> sp	-	2	-	-	-	-	-	-	
<u>Apium graveolens</u> L	-	-	-	-	31	2	-	-	
<u>Aethusa cynapium</u> L	-	-	-	-	-	-	-	1	
<u>Foeniculum vulgare</u> L	-	-	-	-	-	-	-	2+fr	

<u>Coriandrum sativum</u> L	-	-	-	-	-	-	-	2fr	M3/54-55
Umbelliferae indet.	-	-	4	-	1	-	-	3	Table 26 (Cont.)
<u>Polygonum aviculare</u> agg.	1	4	4	3	-	5	-	-	
<u>Polygonum lapathifolium</u> L (+ perianth)	-	0	3	1	-	-	1	-	
<u>Polygonum</u> cf. <u>lapathifolium</u>	1	3	15	-	-	-	-	-	
<u>Polygonum convolvulus</u> L	3+fr	1	3	-	fr	2+fr	fr	-	
<u>Polygonum</u> sp	-	6	-	-	8+fr	7+fr	fr	-	
<u>Rumex crispus</u> L (+ perianth)	-	7	-	-	-	-	-	-	
<u>Rumex</u> sp (perianth nodules)	-	6	-	-	-	-	-	-	
<u>Rumex</u> sp	-	11	60	3	1	4fr	-	19	
<u>Rumex acetosella</u> agg.	31	4	50	14	1	1	-	-	
Polygonaceae indet.	-	2	2	-	-	-	-	-	
<u>Urtica urens</u> L	10	1	-	1	-	21	-	-	
<u>Urtica dioica</u> L	3	-	-	3	11	2	-	-	
<u>Humulus lupulus</u> L	-	-	-	-	1	8	-	-	
<u>Humulus lupulus</u> L (bract frag)	-	-	-	-	-	+	-	-	
<u>Cannabis sativa</u> L	-	-	-	-	fr	-	-	-	
<u>Juglans regia</u> L (frags)	+	-	-	-	-	-	-	-	
<u>Corylus avellana</u> L (frags)	+	-	+	+	-	+	-	-	
<u>Calluna vulgaris</u> (L) Hull (lvs, shoots)	+	+	-	++	-	-	-	-	
<u>Calluna vulgaris</u> (L) Hull (capsules)	+	+	-	++	-	-	-	-	
cf. <u>Anagallis arvensis</u> L	-	-	1	-	-	-	-	-	
<u>Myosotis</u> sp	3	-	-	-	-	-	-	-	
<u>Lithospermum arvense</u> L	-	1	-	-	-	-	-	-	
<u>Solanum nigrum</u> L	-	-	-	-	1	-	1	-	
<u>Euphrasia/Odontites</u>	-	4	-	-	-	-	-	-	
<u>Mentha</u> sp	-	-	18	-	1	-	-	-	
<u>Prunella vulgaris</u> L	-	3	1	8	-	-	2	-	
<u>Stachys</u> sp	-	-	1	-	-	-	-	-	
<u>Lamium</u> sp	-	-	-	-	1	-	-	-	

<u>Galeopsis tetrahit/speciosa</u>	1	-	1	-	-	-	-	-	M3/56-57
cf. <u>Ajuga reptans</u> L	-	-	-	-	-	-	-	-	Table 26
Labiatae indet.	-	2	3	-	3	-	-	-	(Cont.)
<u>Plantago lanceolata</u> L	1	-	-	-	-	-	2	-	
<u>Sambucus nigra</u> L	3	1	1	-	25	6	-	-	
<u>Valerianella dentata</u> (L) Poll	18	-	1	1	-	-	-	-	
<u>Anthemis cotula</u> L	31	73	4	11	2+cf3	-	2	-	
<u>Centaurea cyanus</u> L	44+fr	30	5	46	-	-	1+fr	2	
<u>Lapsana communis</u> L	9	1	8	-	17	3	fr	1	
<u>Sonchus arvensis</u> L	2	1	-	-	-	-	-	-	
<u>Sonchus oleraceus</u> L	1	-	-	-	-	-	-	1	
<u>Sonchus asper</u> (L) Hill	-	1	-	-	-	-	-	-	
cf. <u>Picris</u> sp	-	-	1	-	-	-	-	-	
cf. <u>Crepis</u> sp	-	-	1	-	-	-	-	-	
Compositae indet.	2	3	1	2	-	-	1	-	
<u>Triglochin maritima</u> L	1	1+?1	-	-	-	-	-	-	
<u>Juncus</u> spp	+	+	+	+	+	+	-	-	
<u>Isolepis setacea</u> (L) R.Br.	-	-	-	-	1	-	-	-	
<u>Eleocharis</u> cf. <u>palustris</u> L	2	8	4	10	1	1	-	1	
<u>Carex</u> spp	4	4	9	6	1	5	1	1	
Cyperaceae indet.	1	-	-	-	-	-	-	-	
<u>Hordeum</u> sp (carb)	1	-	-	1	-	-	-	-	
<u>Secale cereale</u> L (carb)	1	-	-	-	-	-	-	-	
<u>Avena</u> sp (mineralised)	-	-	-	-	1	-	-	-	
<u>Secale cereale</u> L (rachis frags)	-	12	-	5	1	-	4	-	
<u>Hordeum</u> sp (rachis frags)	-	1	-	-	-	-	-	-	
Cereal indet (mineralised grain)	-	-	-	-	-	fr	-	-	
Cereal indet (carbonised grain)	1	2	-	-	-	1	-	-	
Cereal indet (pericarps)	-	47	-	27	-	-	-	-	

Cereal indet (pericarp frags)	-	-	-	-	-	-	+++	+++	M3/58-59
Cereal indet (rachis frags)	1	-	-	-	-	-	-	-	Table 26 (Cont.)
<u>Lolium temulentum</u> -type	-	-	-	-	1	-	-	-	
Gramineae indet.	11	11	22	5	12	2+fr	5	-	
Gramineae/cereal (culm frags)	+	++	+	+++	+	-	++	-	
<u>Vitis vinifera</u> L	cf1	-	-	-	-	1	-	5	
<u>Ficus carica</u> L	-	-	-	-	-	-	-	986	
<u>Morus nigra</u> L	-	-	-	-	-	-	-	fr	
Indeterminate plant fibres	+	-	++	+	-	+	-	+	
Indeterminate seeds etc.	15	25	26	5	14	14	6	16	
Sample weight (kg)	0.5	0.5	0.5	0.5	1	1	0.5	1	

Table 26: Macrofossils from waterlogged cereal/segetal assemblages and cess assemblages (laboratory samples).

Taxa are represented by fruits or seeds unless otherwise indicated.

Table 27

M3/60-61

Sample No.	51	52	53	48	18C	18A	12	15	32	34
Context No.	3113	3114	920	2081	1118	1118	1090	1117	1117	1137
Charophyte (Ugonia)	-	-	-	+++	-	-	-	-	-	-
<u>Pteridium aquilinum</u> (L) Kuhn (pinnules etc)	-	-	-	-	-	+	+	+	+	+
<u>Ranunculus acris/repens/bulbosus</u>	-	7	2	-	-	143	2	4	3	9
<u>Ranunculus cf flammula</u> L	-	1	-	-	1	4	4	1	2	7
<u>Ranunculus subg Batrachium</u>	-	-	-	-	-	-	-	-	-	1
<u>Papaver argemone</u> L	1	-	-	4	-	3	3	-	-	-
<u>Brassica</u> sp	1	-	-	-	1	-	12	2	-	-
<u>Raphanus raphanistrum</u> L (siliqua frags)	-	1	fr	-	-	4	-	-	-	1
<u>Reseda luteola</u> L	-	-	-	-	294	-	-	-	-	-
<u>Reseda</u> sp	-	-	-	5	-	1	-	-	2	1
<u>Silene</u> sp	-	-	-	-	5	-	1	2	-	1
<u>Agrostemma githago</u> L	-	fr	-	-	2	3	1+fr	5+fr	3	1
<u>Stellaria media</u> -type	1	-	-	-	1	7	9	2	2	6
<u>Stellaria cf graminea</u> L	-	-	-	-	-	-	-	-	-	1
<u>Spergula arvensis</u> L	-	-	-	-	3	4	4	3	2	-
<u>Scleranthus cf annuus</u> L	-	-	-	-	-	-	-	2	-	-
<u>Montia fontana</u> L subsp <u>chondrosperma</u>	-	-	-	-	-	-	-	-	-	1
Caryophyllaceae indet	-	-	3	1	-	1	-	-	1	-
<u>Chenopodium album</u> L	6	-	2	2	1	8	26	11	22	28
<u>Chenopodium</u> sp	-	-	-	-	-	-	-	-	1	2
<u>Atriplex patula/hastata</u>	-	2	-	-	-	3	-	-	2	2
Chenopodiaceae indet	-	-	8	-	-	-	1	1	2	-
<u>Malva sylvestris</u> L	-	-	-	-	-	16	-	-	-	-
<u>Linum usitatissimum</u> L	-	-	-	-	-	3	-	-	-	-

Table 27 (Cont.)

										M3/62-63	
<u>Ilex aquifolium</u> L (leaves)	-	-	-	-	-	-	+	+	-		-
Leguminosae indet	-	-	-	-	-	-	1	-	-	1	-
<u>Filipendula ulmaria</u> (L) Maxim	-	-	-	-	-	-	2	-	-	-	2
<u>Rubus fruticosus</u> agg	15	-	-	-	-	-	1	-	1	1	4
<u>Potentilla</u> sp	1	-	-	-	-	-	-	-	1	-	-
<u>Fragaria vesca</u> L	40	2	-	-	-	-	-	-	-	-	cf1
<u>Aphanes arvensis/microcarpa</u>	-	-	-	-	-	-	-	-	1	-	7
<u>Prunus spinosa</u> L	5	2	-	-	-	-	-	-	-	-	-
<u>Prunus spinosa</u> -type (thorns)	-	-	-	-	-	-	+	-	-	-	+
<u>Prunus domestica</u> L subsp <u>insititia</u>	-	3	-	-	-	-	-	-	-	-	-
<u>Prunus</u> cf <u>avium</u> L	-	-	-	-	-	-	-	1	-	-	-
<u>Prunus</u> sp	4+fr	2+fr	-	-	-	-	-	-	-	-	fr
<u>Malus sylvestris/domestica</u>	-	4	-	-	-	-	-	-	-	-	-
<u>Hydrocotyle vulgaris</u> L	-	-	-	-	-	-	-	1	1	-	-
<u>Conium maculatum</u> L	24	9	11	-	-	-	-	-	-	1	-
<u>Polygonum aviculare</u> agg	-	-	-	-	-	-	2	-	15	2	5
<u>Polygonum lapathifolium/persicaria</u>	-	-	-	-	-	-	-	-	3fr	3	3
<u>Polygonum</u> cf <u>persicaria</u> L	-	-	-	-	-	-	5	-	-	-	-
<u>Polygonum convolvulus</u> L	-	-	-	-	-	-	-	-	-	cf1	12+fr
<u>Polygonum</u> sp	-	1	-	-	-	-	1	4	2	-	-
<u>Rumex acetosella</u> agg	-	-	-	-	-	1	8	1	2	3	4
<u>Rumex</u> sp	-	4	-	-	-	-	3	2	2	2	5
<u>Rumex</u> sp (perianth nodules)	-	-	-	-	-	-	-	-	-	1	-
Polygonaceae indet	2	-	-	-	-	-	-	-	-	1	-
<u>Urtica urens</u> L	3	3	12	-	2	44	6	3	3	1	-
<u>Urtica dioica</u> L	264	44	230	-	4	7	15	4	4	1	7
<u>Humulus lupulus</u> L	-	-	-	-	-	-	-	-	-	-	8fr
<u>Betula</u> sp (fruit)	-	-	-	-	-	-	-	-	-	-	5
<u>Betula</u> sp (catkin scale)	-	-	-	-	-	-	-	-	-	-	1
<u>Corylus avellana</u> L	+	-	-	-	-	-	+	-	+	+	+

Table 27 (Cont.)

M3/64-65

<u>Calluna vulgaris</u> (L) Hull (capsules)	-	-	-	-	-	+	-	-	-	-
<u>Calluna vulgaris</u> (L) Hull (lvs, shoots)	-	-	-	-	+	+	+	-	+	-
cf <u>Anagallis arvensis</u> L	-	-	-	-	-	-	-	-	1	-
<u>Menyanthes trifoliata</u> L	-	-	-	-	-	-	-	cf1	-	-
<u>Hyoscyamus niger</u> L	-	-	-	-	-	-	1	-	1	1
<u>Solanum nigrum</u> L	1	-	-	-	-	5	1	1	1	-
<u>Euphrasia/Odontites</u>	-	-	-	-	-	1	-	-	-	-
<u>Lycopus europaeus</u> L	-	-	-	-	-	-	-	1	-	-
<u>Prunella vulgaris</u> L	-	3	-	-	-	2+cf1	-	-	-	cf1
<u>Lamium cf album</u> L	-	-	-	-	-	-	2	-	-	-
<u>Galeopsis tetrahit/speciosa</u>	-	-	-	-	-	-	-	2	-	2
<u>Teucrium</u> sp	-	-	-	-	-	-	-	-	-	1
<u>Ajuga reptans</u> L	-	-	-	-	-	-	-	-	-	1
Labiatae indet	-	-	-	-	-	-	-	-	-	1
<u>Sambucus nigra</u> L	25	7	44	1	1	34	20	-	-	1
<u>Valerianella dentata</u> (L) Poll	-	-	-	-	-	1	-	-	1	1
<u>Anthemis cotula</u> L	-	2	-	-	3	39	-	18	4	6
<u>Eupatorium cannabinum</u> L	-	-	-	-	-	1	-	-	-	-
<u>Achillea millefolium</u> L	-	-	-	-	-	2	-	-	-	-
<u>Tripleurospermum maritimum</u> (L) Koch	-	-	1	-	-	-	-	-	-	-
<u>Chrysanthemum segetum</u> L	-	-	-	-	-	-	-	2	-	-
<u>Chrysanthemum</u> -type	-	-	-	-	-	-	-	-	-	1
<u>Arctium</u> sp	-	-	-	-	-	-	-	-	1	-
<u>Cirsium</u> sp	-	-	-	-	-	-	-	-	-	1
<u>Centaurea cyanus</u> L	-	4+fr	-	-	1fr	5	-	6	5	-
<u>Lapsana communis</u> L	-	-	-	-	1	1	-	3	-	1
<u>Sonchus asper</u> (L) Hill	-	-	-	-	-	1	-	-	-	1
Compositae indet	-	1	-	-	-	5	1	1	-	-
<u>Juncus</u> sp	+	+	+	+	-	-	+	+	+	+

<u>Eleocharis cf palustris</u> (L)	6	5	-	-	-	-	5	1	1	2
<u>Isolepis setacea</u> (L) R.Br.	-	-	1	-	-	-	-	-	-	-
<u>Cladium mariscus</u> (L) Pohl	-	-	-	-	-	-	1	-	-	-
<u>Carex</u> sp	7	1	2	-	8	5	1	11	14	7(+2utricles)
Cyperaceae indet	-	-	-	9	-	-	-	-	-	-
<u>Hordeum</u> sp (carbonised grain)	-	-	-	-	1	-	-	-	-	-
<u>Avena</u> sp (carbonised grain)	-	-	1	-	-	1	1	-	-	-
<u>Secale cereale</u> L (carbonised grain)	-	-	1	-	-	-	-	-	1	-
Cereal indet (carbonised grain)	-	-	-	-	-	-	3	-	-	-
Cereal indet (pericarps)	-	-	-	-	2	15	-	-	-	1
<u>Secale cereale</u> L (rachis frags)	-	-	-	-	-	5	1	2	1	2
Gramineae indet	-	3	1	-	4+1(c)	5	-	2	2	-
Gramineae/cereal (culm frags)	-	-	-	-	+	+	+	-	-	+
<u>Vitis vinifera</u> L	5+fr	-	-	-	-	-	-	-	-	-
Indeterminate buds, budscapes	+	-	-	-	-	-	-	+	+	+
Indeterminate inflorescence ?bracts	-	-	-	-	-	+	-	-	-	-
Indeterminate seeds etc	4	15	4	2	13	34	5	5	7	12
Sample weight (kg)	2	2	2	1	0.5	0.5	1	0.5	0.5	1

Table 27: Macrofossils from ruderal, aquatic, Reseda, grassland/wetland and mixed assemblages.
 Taxa are represented by fruits or seeds except where indicated.

Bryophytes from Magistrates Court Site, Norwich

	gully			cess pits					
	450N-1118-S18A	450N-1118-S18C	450N-1118-S18G	450N-1159-S46	450N-1159-BS-R-20	450N-1159-BS-F-20	450N-2003-47	450N-3111-S50	450N-1043-BS-F-2
<u>Amblystegium riparium</u>	+	+	+	+	-	-	+	-	-
<u>Brachythecium rutabulum</u>	-	+	-	-	-	-	-	-	-
<u>Bryum pallens</u>	-	-	+	-	-	-	-	-	-
<u>Calliergon cuspidatum</u>	-	+	+	+	+	+	-	-	-
<u>Campylium stellatum</u>	-	-	-	-	+	?	-	-	-
<u>Dicranum scoparium</u>	-	+	+	-	-	-	-	-	-
<u>Drepanocladus aduncus</u>	-	-	+	+	+	-	-	-	-
<u>Eurhynchium praelongum</u>	+	-	-	-	-	-	-	-	-
<u>Eurhynchium swartzii</u>	+	+	-	-	-	-	-	-	-
<u>Hylocomium splendens</u>	+	+	+	-	-	-	+	-	-
<u>Hypnum cupressiforme</u>	-	-	-	-	-	-	-	+	-
<u>Rhynchosiegiella tenella</u>	-	-	-	+	-	-	-	-	-
<u>Thuidium tamariscinum</u>	-	+	-	-	-	-	-	-	-

2:D.1

Table 29 (Cont.)

Basic	Neutral	Acid	Rock	Soil	Wood	Wet	Damp	Dry	
.	Amblystegium riparium
.	Brachythecium rutabulum
.	Bryum pallens
.	Calliergon cuspidatum
.	Campylium stellatum
.	Dicranum scoparium
.	Drepanocladus aduncus
.	Eurhynchium praelongum
.	Eurhynchium swartzii
.	Hylocomium splendens
.	Hypnum cupressiforme
.	Rhynchostegiella tenella
.	Thuidium tamariscinum
12	12	7	6	11	5	7	11	8	

M3/69

Table 30 (Cont.)

M3/72-73

Context No.	Context description	Taxon	Stem diameter (mm)	Wood description
1125	Group of unassociated wood ?driftwood.	<u>Quercus</u> sp	c.160	Quartered branch or small trunk of oak with bark.
1136 (T72)	Wicker-work fence.	A ? <u>Corylus</u> sp	31x24	Flattened untrimmed branches with bark. B shows oblique transverse cut. A-D are straight stem sections, E-F forked.
		B <u>Corylus</u> sp	24x21	
		C <u>Corylus</u> sp	25x15	
		D ? <u>Corylus</u> sp	26x20	
		E <u>Corylus</u> sp	30x18	
		F <u>Corylus</u> sp	30x19	
1136 (Withies)	Wicker-work fence.	A <u>Corylus</u> sp	30x32	Mostly flattened untrimmed branches with bark. Transverse oblique cuts starting up to 80mm from tip. All sections examined are straight.
		B <u>Corylus</u> sp	30x25	
		C <u>Corylus</u> sp	34x32	
		D <u>Corylus</u> sp	32x25	
		E <u>Corylus</u> sp	30	
		F <u>Corylus</u> sp	40	
		G <u>Corylus</u> sp	35x25	
		H <u>Corylus</u> sp	30x24	
		J <u>Corylus</u> sp	c.20mm	
		1139 (T71)	Wicker-work fence	
B <u>Ilex</u> sp	13			
C ? <u>Crataegus</u> group	14x10			
D <u>Ilex</u> sp	20x11			
E <u>Corylus</u> sp	22x24			
F <u>Quercus</u> sp	20x12			

Context No.	Context description	Taxon	Stem diameter (mm)	Wood description
1140	Area of brushwood etc.	A <u>Quercus</u> sp	?	Fragment of mature wood
		B ? <u>Corylus/Alnus</u> sp	35x21	
		C ? <u>Corylus</u> sp	37x20	Straight small branches with bark, mostly flattened.
		D <u>Corylus</u> sp	37x24	
		E <u>Corylus</u> sp	38x22	
		F <u>Corylus/Alnus</u> sp	34x20	
		G Indeterminate	31x10	
		H <u>Ilex</u> sp	26x10	
		I <u>Corylus</u> sp	21x12	
1140 (T62)	Area of brushwood etc.	<u>Quercus</u> sp	?	Segment of large trunk
1156 (T29)	Scatter of wood over pit 1164	<u>Quercus</u> sp	?	Oak plank. Radially split from large wood
1156 (T30)	Scatter of wood over pit 1164	<u>Quercus</u> sp	?	Trimmed quartered oak branch or small trunk
1164 (T43)	Wicker-lined cess pit	A <u>Alnus</u> sp	c.130	Stake with 4-faceted tip, cut from halved branch/small trunk. Worm holes
(T68)		B <u>Alnus</u> sp	?	Post/stake split from large wood
(T47)		C <u>Quercus</u> sp	60	Curved post/stake made from curving branch, part-trimmed with some bark
(T66)		D <u>Quercus</u> sp	100	Stake with 4-faceted tip, cut from roughly halved branch/small trunk
(T45)		F <u>Alnus</u> sp	90	Post/stake made from lightly trimmed branch or small trunk. Dowel-hole. Bark
(T65)		G ? <u>Alnus</u> sp	120+	Post/stake made from quartered branch or small trunk, further trimmed.

Table 30 (Cont.)

M3/76-77

Context No.	Context description		Taxon	Stem diameter (mm)	Wood description	
1164 (T52)	Wicker-lined cess pit	H	<u>Populus</u> sp	95	Post/stake made from lightly trimmed branch or small trunk. Large (2mm) insect holes	
(T55)		K	<u>Quercus</u> sp	80	Post/stake made from quartered branch or small trunk	
		L	? <u>Alnus</u> sp	c.100	Post/stake made from roughly squared branch or small trunk	
(T59)		M	<u>Alnus</u> sp	c.160	Post/stake made from quartered branch or small trunk, further trimmed. Some bark	
(T50)		N	<u>Corylus</u> sp	75	Stake with 4-faceted tip, made from lightly trimmed branch or small trunk. Some bark	
(T54)				Indeterminate	90	Post/stake made from quartered branch or small trunk
(T63)				<u>Fraxinus</u> sp	-	Post/stake made from split segment of large wood
(T40)				<u>Alnus</u> sp	-	Stake with 4-faceted tip made from quartered branch or small trunk, further trimmed
(T67)				<u>Alnus</u> sp	-	Fragments of post/stake
(T42)				<u>Alnus</u> sp	c.100	Post/stake made from roughly squared halved branch or small trunk
1165 (T56)			<u>Prunus</u> sp	c.110	Stake with 5-faceted tip cut from trimmed small trunk or branch	
1166 (T69)	Isolated stake		<u>Quercus</u> sp	-	Stake with 3-faceted tip cut from segment of branch or trunk	

Table 30 (Cont.)

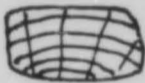



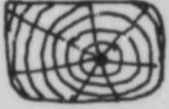
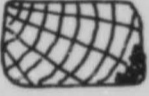



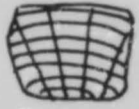
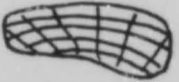

M3/78-79

Context No	Context description	Taxon	Stem diameter (mm)	Wood description
1187 (T73)	Fence	<u>Quercus</u> sp	90	Post made from untrimmed branch or small trunk of oak. Bark
1189 (T75)	Wattle fence	A	19x10	Flattened untrimmed branches with bark
		B	22x13	
		C	Indeterminate	
		D	(badly crushed	
		E	and deformed)	
		F		
		G		
1191 (T38)	Brushwood layer etc.	A	<u>Quercus</u> sp	Fragment of mature oak wood
		B	<u>Quercus</u> sp	Tangentially split oak board, charred on exterior face
1192 (T48)	Wood scatter	<u>Quercus</u> sp	85	Stake/post made from untrimmed branch or small trunk. Bark.
1195	Isolated post	<u>Quercus</u> sp	190	Large post with sharpened tip made from untrimmed young trunk with bark
1203	Horizontal timbers	A	<u>Ilex</u> sp	Untrimmed stem
		B	<u>Quercus</u> sp	Fragments of mature oak
1205	Horizontal timbers	A	<u>Corylus</u> sp	Segments of branches or small trunks with bark
		B	<u>Corylus</u> sp	
2305	Pit	<u>Quercus</u> sp		Dowel (c. 10mm diameter) made from mature oak. One end burred by hammering

TABLE 31: DETAILS OF CONTEXTS WHICH PRODUCED TIMBERS FOR TREE-RING ANALYSIS



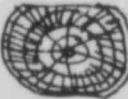
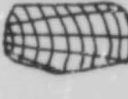



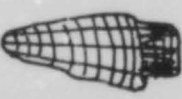




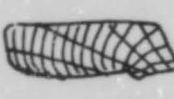
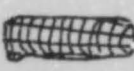
Context	Period	Comments
1069	II 2	3 timbers located immediately outside cesspit arch of Norman building set into pit <u>1061</u>
1079	I V	24 timbers from a barrel well
1121	I 1	Post set into pit at waterfront
1125	I 2	2 timbers in haphazard arrangement within area of Saxo-Norman waterfront
1136	I 1	Wattle fence at waterfront
1140	I 1	Layer of brushwood at waterfront
1147	I 1	Post within waterfront area
1150	I 1	Brushwood deposits
1164	I 2	5 timbers from wickerlined cess pit
1166	I 2	Post within waterfront area
1172	I 1	2 'planks' associated with waterfront features
1181	I 2	Post in pit
1187	I 2	Timber fence at waterfront
1189	I 1	Wattle fence at waterfront
1192	I 1	Brushwood layer
1194	I 1	Large unworked timber - possibly forming crude platform with 1121
1195	I 1	Post within waterfront area
1196	I 1	Post within waterfront area
1203	I 1	Horizontal timber held to gravel by peg
2250	II 1	Partfill of pit <u>2249</u> (not in waterfront area)

Figure 94: Details of the tree-ring samples. The sketches of the cross-sections are not to scale; measurements to the nearest 5mm are given for the maximum dimensions of the cross-section.

sample	total no of rings	sapwood rings	sketch	dimensions(mm)
<u>Alder</u>				
1164B	28			105 x 60
<u>Oak</u>				
1069A	143 measd	-		145 x 25
1069C	125 measd	-		130 x 25
1069D	65 measd	-		100 x 75
1121	82 measd	-		240 x 240
1125	17	5		110 x 80
1125.2	13	-		160 x 60
1136	73 measd	19		110 x 50
1140	142 measd (+8)	28 (+8)		110 x 70
1147	66 measd (+c25)	-		90 x 85
1150	13	-		160 x 60
1164	20	16		60 x 50











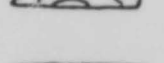



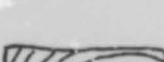

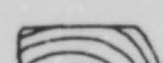

cont/

Oak (cont)

1164C	20	12 ?felled summer		60 x 50 (radius 30)
1164D	25	18 felled winter		95 x 70 (radius 55)
1164E	18	11 felled winter		85 x 75 (rad 40-45)
1166	138 measd	-		95 x 60
1172	? sample badly broken			
1172.2	35	-		240 x 130
1181	? knots	-		175 x 140
1187	35	5		180 x 95
1189	137 measd	47 ?felled winter		110 x 40
1192	? narrow rings	?		85 x 80
1194	c40 knots	-		510 x 420
1195	29	6		190 x 180 (rad 90-100)
1196	less than 30	13		240 x 200
1203	79 measd	?22		150 x 55
2250	35	-		80 x 20

(timber broken - largest piece measured)

Sweet chestnut

1079A	6	-		100 x 30
1079B	7	-		90 x 15
1079C	21	-		125 x 25
1079D	15	-		120 x 35
1079E	12	-		135 x 20
1079F	11	-		130 x 40
1079G	13	-		145 x 25
1079H	13	-		115 x 25
1079I	15	-		115 x 20
1079J	14	-		110 x 25
1079K	14	-		140 x 30
1079L	16	-		120 x 20
1079M	11	-		110 x 30
1079N	15	-		115 x 30
1079O	15	-		110 x 20
1079P	9	-		110 x 20
1079Q	16	?bark no obvious sapwood		115 x 35
1079R	7	-		115 x 30

cont/

Sweet chestnut (cont)

1079S	13	-		155 x 20
1079T	13	-		130 x 15
1079U	12	-		125 x 20
1079V	14	-		115 x 25
1079W	10	-		165 x 20
1079X	15	-		115 x 30

Table 32 Reference chronologies against which the
Norwich sequences were dated

Chronology	Dates	Reference
Belfast	1001-1970	Baillie 1977a
Bradwell Abbey	1083-1279	Bridge 1983
Bristol	1032-1239	Hillam 1984a
Britain	401-1931	Baillie & Pilcher, pers.comm.
Dublin	855-1306	Baillie 1977b
England	404-1981	Baillie & Pilcher, pers.comm.
Exeter	799-1216	Hillam 1980a
Germany, north	1004-1970	Delorme 1972
Germany, Schlesig	741-1460	Eckstein, pers. comm.
Germany, west	700BC-1975	Hollstein 1980
Glastonbury	1095-1334	Bridge 1983
Lincoln	882-1184	Laxton <u>et al</u> 1982
Nantwich	930-1330	Leggett 1980
Ref.6	780-1193	Fletcher 1977
Ref.7	993-1267	Fletcher, pers. comm.
York, Coppergate	1. 715-1011 2. 1031-1248	Hillam, unpubl. Hillam, unpubl.
York, Zouche	1118-1386	Fletcher & Morgan 1981, but for dates see Baillie <u>et al</u> 1985
Norwich, Whitefriars	244 years, undated	Hillam 1983

Table 33 Tree-ring results. a) The dating of 1203. b) Results for 1069C, 1069D, 1121 and 1140. These have not yet been confirmed, and therefore are not true tree-ring dates. Each sequence gives a t -value of 3.0 or higher with at least three reference chronologies at the same date. (Details of chronologies are given in Table 3).

a) 1203 - ring sequence dates to 1115-1193

<u>chronology</u>	<u>t-value</u>
Bradwell Abbey	3.2
Bristol	3.7
Britain	4.6
England	5.0
Exeter	3.7
Glastonbury	3.2
Lincoln	3.6
Nantwich	4.1
Ref.7	5.3

b) 1069C - end year 1207?

Bristol	4.0
Britain	3.5
Dublin	4.6

1069D - end year 1061?

Germany, west	4.0
Lincoln	3.6
Ref.6	3.7

1121 - end year 938?

Britain	3.5
England	3.7
Germany, west	3.6

1140 - end year 1173?

Bristol	4.0
Britain	3.3
Dublin	4.2
Exeter	3.9

Appendix to tree-ring data

Ring width data of the ten Norwich timbers used for dating. First two lines identify the site and sample, third line - total number of measured ring widths, fourth and subsequent lines - ring widths in units of 0.02mm. Notes are given at the end of the data if the ring pattern is in any way unusual, e.g. sapwood, abnormal ring, rings which cannot be measured accurately. HS - heartwood-sapwood transition.

a) PRIOR'S LANDGABLE

NRO DCN R236A Register V p.122

Langablm. recept. p. Celerar.

p.	dom.	Ad. Gerneys	ob.
"	"	Hug. de Sprowston	ld.
"	"	q. fuer. Simonis de Rokhawe	ld.
"	"	Joh. le Lytester. ad ponte. Sti. Mrtini.	ob.
"	"	contigua	q.
"	"	Ranulph Saluz	ld.
"	"	Johis. de Hakeford	ld.
"	"	Thom. de Thasburgh	ld.
"	"	Will. de Lakenhm.	ld.
"	"	de Ely.	ld.
"	"	J. de Berneye q. vocat. rosrlm.	ld.
"	"	Ric. de Bertone	ld.
"	"	scolar.	4d.
"	"	Clement presb.	ld.
"	"	Willi Goding	ld. q.
"	"	que vocat. Romehalle	ld.
"	"	Galfr. de Notinghm.	ld.
"	"	Nichi. ail Hil	ld.
"	"	Robi. Jade	q.
"	"	Sti. Egidii in Holmstr.	2d. ob. q.
"	"	Thom. dil fishus in Holmstr.	ld.
			Sm. 23d. ob.

NB. The sum total and the farthings in the entries for the houses of William Godyng and St. Giles' Hospital were added later.

Above the name of John de Berneye's house and also next to the sum collected from Richard de Bertone's house has been inserted "Erpyghm".

A note in the margin beginning at the 4d. of the school's rent reads:

Md. qd. anno regni R. Henrici Sexti pmo. Johe.
Walshm. Celerari. recepit de Magro. Johe. Hankoc
magro. scolar. tota. suma. de reddit langabli. pro
domo scolar. et p. tepe. dti. magri Johis ...

a. dm. M.CCCC.xxiii

Table 35: PROPERTY NO. 1 EAST OF THE BRIDGE

This property is bounded on the west by the road to St. Martin's Bridge, on the north by the river and on the south by the road which runs east to become World's End Lane. The land-gable total of $\frac{3}{4}$ d. may indicate a narrower southern road frontage than any other property on the excavation site. The O.S. 1885 gives a measurement of 32 ft.

1327	<p>Prior's Landgable: John le Lytestere paid $\frac{1}{2}$d. for the house "ad pontem Sti. Martini" and $\frac{1}{4}$d. for the one next door ("pro domo contigua"). The property rarely seems to have been regarded as a single unit. It is assumed that the house on which $\frac{1}{4}$d. was paid was to the north of the first, with a street frontage to the west.</p>	<p>NRO DCN R236A Reg V p.122</p>
1332	<p>John le Lytestere's property valued at $8/0\frac{1}{2}$d.</p>	<p>PRO. 179/ 149/9</p>
1386	<p>Thomas de Brook confirmed property to Ralph Lyster which Ralph had previously held from William de Brook, Thomas' father. Description: west part of messuage with house and gutter on the East $2\frac{1}{2}$ ft. wide. William de Brook had also owned property No. 2. He was a prominent man: in 1360 listed in View of Arms for Leet of Wymer among the fully armed men, providing also one archer.</p>	<p>NRO Case 1 Roll 14 m 26</p> <p>H & T I p.396</p>
1399/1400	<p>Ralph de Brook "litistere" convicted of encroachment on the King's River and fined £6.</p>	<p>Kirkpatrick's Notes. NRO Case 21f No.76</p>
1461	<p>Thomas Johnson and others to Thomas Lynes chaplain and others "messuage once Ralph</p>	

- Brooke lyster". This is the northern part of the messuage with a latrine by the river ("cum cayo latrina"). Provision is made for the two neighbours living to the south to have access to the riverbank via this part of the messuage. No particulars of occupant.
- 1505 Present occupier John Wilde fremason) abuttal
Previous occupier John Wellys carpenter) inform-
ation NRO Case 1
Roll 19 A5
- 1513/14 The southern part of messuage (on the corner) passed from John Cok to Ralph Goodwyn with access to the quay and latrine next to the water via the messuage of Henry Cobald recently part of the messuage. This must still have been a valuable property as the co-feoffees are impressive. NRO Case 1
Roll 21 m 17
- 1520 The northern part of the messuage, on the river, conveyed by Thomas Whitred de Morton to Thomas Marysshe a clerk. No information about occupant. Southern abuttal: messuage Henry Cobald. Therefore at this time property had three elements all with access to the river. NRO Case 1
Roll 21 m 40
- 1535 Ralph Goodwyn's widow and her second husband disposed of southern part first to Christopher Speyn of South Walsham and then in NRO Case 1
Roll 21 m 83d
- 1547 to Richard Wythes clerk.
- 1578 Central section formerly Henry Cobald occupied by Margaret Betts, widow (of John Betts who had property including dyeworks west of St. Martin's Bridge).
- 1578 Southern (capital) part of messuage sold by John Taylor of London to Paul Gisborough of Norwich, baker. Described as four messuages or tenements, Roll 28 m 43d

with barns, gardens, lands. Formerly held by William Jacob (in whose house six poor families may have been lodged in 1570), then by Thomas Harryson a worstead weaver who occupied Property No. 2.

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- 1587 Margaret Betts' daughter and her husband sell central section to Daniel Bonell, singleman. He and his father who were aliens had acquired all the former Betts property west of St. Martin's Bridge. Access to river and latrine as before, and the gutter still mentioned. Roll 32 m 5
- 1617 Southern section conveyed by Edmund Shipdam of Norwich, another baker, to John Allen, dyer, who held Property No. 2. Access to river as before. Roll 35 m 13
- 1660 Assessment for Disbanding King's Forces. Henry Shipdham 2/6. NRO Case 13(b)
- 1670/71, 1678, 93 The Shipdam family mentioned in a series of conveyances throughout the seventeenth century but according to abuttal information occupiers seem to have been the John Allens, father then son. They also held the property to the East and were dyers. Roll 42 m 26
Roll 43 m 100
Roll 46 m 54
- Southern section in multiple occupation. Access to quay still provided for.
- 1705 Central section conveyed by Wm. Elmy to Robert Baldewyn junior. Mathew Goodwin occupied property to north on the river and No. 2 to the East. Description runs: "land ... with a shop and stable and wheron part of a house formerly stood with right of way to river and use of Jakes being in the stone wall next to the river and a gutter to carry away water from the houses there". Roll 56 m 5d
- Southern section held by Peter Vertigans (from 1693).

1708/9 Window Tax. Peter Vertigans. 11 windows.
1776 Gogill and William Shreeve (abuttal information).

1910 Now No. 13 Palace Plain. Owned by Frazer's
Joinery Co. They did not own the foreshore. NPO DLV
Gross Annual Value £160. 1/53

Table 36: PROPERTY NO. 21885 O.S. measurement 60'

1327	Landgable to Cellerar for Prior: ld. paid by Ranulfus Saluz	DCN R236A Reg V. p.122
1461	Abuttal information: John Stowe held property.	NRO Case 1 Roll 19 A5
1472	Margaret Stowe, widow (?of John Stowe). Assessment 1472. 12/9.	NRO Case 7i
1501	Will of Thomas Baldewyn cooper. References to kitchen of property, apprentices, warehouse, boats.	DCN Q232C f11A
1505	Acquired by William Hermer a fremason. References to ten. w. buildings, gutters, garden and pond; house w. solar next to the shop (only shop in this part of the parish); right of way to river and staithe; latrine next to river.	NRO Case 1 Roll 20, 76
1523	Stephen Davy inherited fr. Wm. Davy "one of my ii payer clavichords".	NCC Will RG Herman 34d
1524	Wm. Hermer assessed on 164/- in goods. Probably his stocks of stone.	PRO E179/ 150/218
1536	Wid. of Edward Arnopp worstead weaver w. second husband conveyed property to Edmund Stoke. Dimensions of part-garden given: 58½ ft. long and c. 12½ ft. wide.	NRO Case 1 Roll 21 m 33
1561	Acquired by Richard Thurlton, dornick weaver	NRO Case 1 Roll 34 m 2
1565	Acquired by Thomas Harryson, worstead weaver (abuttal information)	

- 1576 Thomas Harryson assessed on £5 worth of goods NRO Case 7 i
- 1577 Quitclaim to Thomas Harryson by daughter of Stephen Davy (so Davy was a former owner). He was a dyer. NRO Case 1
Roll 28 m
30d
- 1579 Thomas Harryson's will. Mentions "bedstedde" standing in his parlour; four looms, two apprentices; leaves property to Raphe Elmham barber. Cicely Ridell widow to have her quiet dwelling in kytchen for life w. access to the water, and the bed on which Harryson usually lay. NRO NCC
Will 413
Woodstock
- 1610 Heirs of Raphe Elmham sold property to a clerk, Leonard Greaves of Sprowston. NRO Case 1
Roll 34 m 2
- 1617 John Allen, dyer (abuttal information).
- 1660 Assessment for Disbanding King's Forces. Thomas Brown 2/6. NRO Case
13 (b)
- 1666 & 1693 Thomas Browne (abuttal information)
- 1674 Thomas Browne, churchwarden, paid tax on six hearths. PRO E1 79
253. 43
- 1674 Thomas Browne "callender" and Thomas Browne the dyer, his son, legatees of Thomas Stallard a worstead-weaver, their son- and brother -in-law. NCC Will 58
Wiseman
- 1708/9 Window Tax. John Smith. 20 windows.
- 1715 The heirs of Thomas Browne sold property to John Smith another "callender" (hotpresser) who was then in occupation (and had been since at least 1708/9). Transaction included a warehouse, with "Capstall, Stages, Tables and all other the NRO Case 1
Roll 65 m 1

going Gare Implements and Working Tooles" used therewith. For the first time the garden is not mentioned. Perhaps the warehouse is built on it.

- 1748 James Olley sold property to John Stangroome. They were both hotpressers. Property described as late of John Smith, calender, deceased, then Joshua Smith glozier, with all edifices, yards, shudds, walls etc. lying together on North side of Church. NRO Case 2 Roll 99 m. 5d.
- 1755 James Olley, hotpresser, made over property to William Leeds, hotpresser and John Jefferies butcher for £100 with edifices, workshops, yards, shuds, walls etc., together with a warehouse. NRO Case 2 Roll 106 m.6.
- 1776 William Leeds, hotpresser and glozier, sold property with its warehouse to James Leeds, merchant. NRO Case 2 Roll 127 m.8 & 9
- 1852 Directory. No Frazer listed among timber merchants.
- 1868 Directory: Charles Frazer, Timber and Deal Merchants, Palace Plain.
- 1869 Directory: Charles Frazer, planing mills. City Saw Mills, Palace Plain.
- 1885 O.S. map: Saw Mill.
- 1910 Inland Revenue - Domesday Book. Duties on Land Values. 14 Palace Plain. Occupiers: Frazers Joinery Co., who owned their offices and an adjacent house, but Mayor and Corporation owned the land on which the Saw Mills were built. Gross Annual Value £160. NRO DLV. 1/53
- 1942 Destroyed by enemy action. 5th September. J. Banger: Norwich at War, pp. 76-77

c) TRANSCRIPT OF THE WILL OF DAME JANE CALTHORPE, 1549(In margin of register) Dne Johanne Calthorpe

In the name of God Amen. The xxvi daye of June in the yeare of ower lord god MCCCCxlix in the thred yeare of the Reigne of ower sovereign Lorde Edward the sexte by the grace of god Kinge of Englande Fraunce and Ireland Defendor of the faythe and in Earthe Supreme hed of the chyrche of England and Ireland I Dame Jane Calthorpe wyddo being of hole minde and perfecte Remembraunce Lawde be yt unto god Utterlye Renouncing all other wylles and Testaments hertofore by me made and devised make and declare this my present Testament and last wyll in maner and forme folowing Fyrst I Comende my sowle to Allmightie god the Father thurgh the ower savyor Jhus Chryste by whos meryte and Dethe onelye I feythfullie beleve that I am redemed and saved and shall lyve wyth him in glorye everlasting And I woll that my bodye to be buryed in the paryshe chirche of the place where yt shall please god me to departe thys transytorye worlde Item I woll that myn Executores shall distribute and geve in allmoys at the daye of my buryall in meate and drinke or monye by theyr dyscrecion to the pore people dwelling in Norwiche tenne powndes And within one moneth next after that folowinge other tenne powndes And as concerning the Residewe of the maner of my funerall I comytt to the discrecion of myn Executores Item I woll that myn Executors shall at the daye of my decesse communicate and dystribute in allmos in meate and drinke to the prysoneres whiche then shalbe in the Castell of Norwiche and guilde halle of the same Cytye and in the palace of the bisshope of Norwiche and amongst the decesed persons at the hospitall howses at the gates of the sayde Cytye xx^s And among the Systers of Normanes wythin the same Cytye vi^s viii^d Item I woll that myn Executores shall wythin one yeare next after my decesse dystribute and geve to pore Folkes in Cotes Shirtes and Smockes where most nede shalbe Sex powndes xiii^s iiii^d over and besides the monye byfore wylled to be geven and Dysposed as ye aforsayde Item I woll that Robert Watson of Norwyche and Thomas Rose preachers yf they be lyving or ellis some other two well dysposed lerned Men after theyr decesse at the choyse of myn Executors shall preche eyther of them tenne sermons yearelye by the space of thre yeares next after my decesse that is to saye eyther of them thyrtye sermons in the said thre yeares within the Cytye of Norwiche and other places theraboughte where they shall thinke most nede And I woll that myn Executores shall paye to eyther of them for every sermon vi^s viii^d toward their Lyving and meyntynence of ther studye and preachinge the worde of god And I geve to Doctor Barrett fyve markes for tenne sermons to be preached in Norwyche and other places abowght Norwyche where he shall thinke most neede wythin two yeares next after my decesse And further I geve unto the saied Doctor Barette a black gowne and my goblet of sylver with a standing foote and a cover of sylver to the same And I geve toward the lodgen of the pore Folkes lodged wythin the house of the syster of Normanes in Norwiche twenty Shillinges Item I woll that John Leche shall have his dwelling in my Tenement sett and being in the paryshe of Sancte Martens at the palace gate in Norwyche on the westside of the gate of my mesuage the which Fletcher dwelleth in for the terme of the lyef of the same John Leche Also I geve and bequeth to the right honorable Erle of Susexe two gylte pottes graven wyth damaske worke and a chafingdyshe of sylver And I geve and bequeth to ladye Fraunces my goddaughter two Fetherbeddes wyth my tester and sylver of black tinsell with a roll enbrodered wyth golde two bowlsters and ii carpettes for cubbordes a pott of sylver and gylte called the newe Dolphen and one of myn oulde enbosed goblettes wyth the cover all gylte and my harte of goulde sett wyth peerle Item I geve to Maister Egremond my godsonne a lyttle chased cuppe of sylver wyth a cover Item I geve and bequeth to Syr Anthonye Honingham knight my sonne in lawe one of myn oulde gylte goblettes wythe the cover and to Henrye Heveningham my godsonne a pott of sylver and gylte Item I geve to Rychard Aslackes mother twentye shillinges And I geve to the same Richard Aslak a Fetherbed a bowster a pyllowe and a peyre of shetes And I geve to the saide Richard his maryage moneye Item I geve and bequeth to

my Nephewe Syr Edwarde Warner knighte fowre hundred ewys to be taken of my Flock at Burneham myne pece of tapstory of the storye of quene hester a tester and a seler for a trusling bedd of clothe of goulde and grene embroydered a Cownterpoynte of skarlett paned withe black velvett a Fetherbedd wyth a bowster a payre of fustyan blanketts two pylloves two payre of shettes of three breedes ii carpettes for wyndowes and one carpett for a cubborde a salte of sylver and gylte wyth a cover wyth iiii peerlis in the toppe a pott of sylver and gylte and a nutte cawled the Mawdlen boxe and a longe quisshon of clothe of goulde and my Furr of marterns Item I geve and bequethe to my ladye Warner his wyff a gowne of black velvet of Italian fasshon and a payre of alter clothes of crimson velvett and white satten and to my nephew Robert Warner Esquire a stondyng cup of sylver gylte wyth a cover Item I geve to my nephew William Blederhasset and Anne his wiff a trusling bedd embrodered wyth Flowers wyth hangens of grene and white dornexe and an other hangen of green saye an other hangen of blewe and yelowe saye fower fetherbeddes wyth boulsters and blankettes to the same a garnishe of pewter vessell thre possnets two panss a grete keatle a latch panne two cobyrons two chambre pottes three spetes sexe payre of shetes and thre pylloves two saltes of sylver whereof the one ys wyth a lyttle tower and the other ys the oulde salte that serveth my borde ende twelf sylver sponis that I boughte at London all of one sorte the white boxe of sylver weyng eleven ownces wyth a cover two cownterpoyntes one wyth verdors and the other wyth a condyte twelf quisshons of redde roses and verdors wyth a covering of verdors for a borde and two payre of Andyrans Item I geve and bequeth to the same Wylliam Blederhasset a trusling bed of yelowe and blewe sarcenet embroydered wyth Roses a sperver of blew sarcenet an hangen of tapstrye which hangeth in my two chambres at my howse in Sanct Martens two carpettes for cubbordes and ii carpettes for windowes a chafing dyshe of latten iiii peyre of latten candlestickes two chafers of brasse and a Jugge two dyaper bordclothis thre playne bordclothes two dosen dyaper napkins and ii dosen pleyne napkins a dosen plates and a boxe of trenchers eyght buffet stoles a square borde and a grete bourde wythe gymmowes two peyre of trestles and an oither bourde wyth trustles to the same And I geve to the same William Blederhasset my Carte and plowghes wyth all harneys to the same belongen and all the horses geldinges and meares which be occupyed for my carte and plowhes and all my tuning vessylls and sakes And I woll that the saied William Blederhasset his Executors and Assignes shall find pore Alice which I kepe of almayes wyth mete and drynke and clothis during hir lyef Item I geve and bequeth to my saied nephew Wylliam Blederhasset my messuage wyth thappurtenances in Norwiche in the paryshe of Sanct Marten at the pales gate which I purchased of my brother-in-lawe Wylliam Drurye wyth the Tenement therunto adioyneng which I purchased of Syr Edward Warner knight and also my inclose called Sanct Pawles cloose and all my stuff and ymplementes of howshold in the said messuage not otherwyse geven or bequethed by this my Testament To have and to hold the said Messuage Tenement and inclose and other the premysse to the said William Blederhasset all myn interrest and terme of yeres yet to come of and in my fould course called the lathes which I have in the Ferme of the Deane and Chapter of the cathedrall chirche of Norwyche wyth as manye sheepe or other Cattall as the same fould course can convenyently berd fedd and susteyne Also I geve to my sayed Nephew Wylliam Blederhaaset myn Interest and terme of yeres yet to come of and in my medewe of Pockthorpe which I haad in ferme of the said Deane and Chapyter And also myn interrest and terme of yeres yet to come of and in the house called the Lathes wyth the closes and landes belongen to the same which I had of the graunt of Hugh Harison late deaceded and also myn interest and terme of yeres yet to come of and in the schole House yard and orteyarde which I hadd of the lease of tne late Maister and Felowes of the Hospytall of Sanct Gyle in Norwich and also all myn interest and terme of yeres yet to come of and in a Tenement and gardeyne belongen to the said Hospitall which I have of the lease and graunte of the meyre Shryves Cytezens and Commualtie of the Cytie of Norwiche And I geve to Roger Stannowe my servant an Annuytie of Liii^s iiii^d yerelye to be payed during his lyef which annuytie of Liii^s iiii^d I woll

that my saide Nephew William Bleverhaiset his heires or Executores shall yearlye paye of the Revenewes and profettes of the premisses during the lyef of the said Roger And I geve to Elysabeth Aslak fowrtye powndes in monye toward her preferment and two alterclothis of yelowe and pirple satten a fetherbedd a payre of shetes of flaxe a payre of shetes of hempe a bowlster a pyllowe and a new covering of redde nowe at the dyeng And I geve to Wylliam Weting my servant twentye powndes in monye to be payed to him ymedyatlye after my decesse a bed of Fustyan napes two Fetherbeddes two pyllowes sexe sylver sponis two boulsteres and sexe candle stickes half of a garnishe of pewter vessells two possnettes a panne and iii payre of shetes Item I geve to William Hall my servant fortye shillinges in moneye a fetherbedd a coverlet and a payre of shetes Item I geve to William Cooke my servant sexe powndes xiii^s iiii^d and to evrye my servantes a black cote and to evry my gentlewhomen a black gowne Item I geve to my Ladye Graye my sister my booke of goulde and my gowne of tawny velvet furred with marterns Item I geve to my nese Anne Reynbalde a pott of sylver gylte enbosed and to Elisabeth hir doughter fyve powndes And I geve to Robert Lovedaye gent and Alice his wiff a pott of sylver gylte graven wyth Fedders And to my Nephew Thomas Bleverhayset forty shillinges Item I geve and bequeth to Wylliam Drurye my brother in lawe tenne powndes in monye and I geve and bequeth to my Servant Roger Stannowe a fetherbedd wyth a bowlster two blankettes and a Covering of Pulham worke and the hangen in the chambre where he leye two pleyne sylver sponis two quissions of verdors and a covering of verdors for a borde wyth conyes wyth a seeme in the myddes Item I geve to the fornamed Robert Watson a ring of goulde in valewe twentye shillinges And I geve to Syr Henry Graye two gylte sponis And to my ladye Bleverhayset my sister in lawe my golde ring wyth a sharpe Dyamond and a lyttle pott of silver and gylte Item I geve to my syster Hubberde my gowne of black satten and my kyrtle of tawny velvet and my signet of goulde and my hangens of white and green verdour wyth grapys And to Awdrye the wyff of my nephewe Thomas Hubberde a kyrtle cloth of black satten Item I geve to my Nephewe John Bleverhayset a pott of sylver and gylte wythe a Cover called the dolphen and tenne powndes in money and two Fetherbeddes wyth ii bowlsteres Item I geve to Syr George Somersett knight my best stondyng cuppe of sylver and gylte wyth a pomgranet graven in the toppe for Hearye Calthorpe my soonis sake Item I geve to Amye Robbysharde my goddoughter my goulde ring wyth a rubye And I geve to Margerye Lovedaye fowre powndes and my lyttle boxe of sylver wyth a cover And I geve to eyther of my two Carteres tenne shillinges to the bruer tenne shillinges to the ladd in the kytchen vi^s viii^d and to the wyff of Thomas Norcevor twentye shillinges Item to my neese of Elisabeth Clopton a pott of sylver and gylte Item I woll that my Executores shall bestowe and paye toward the exhibicion of iiii ordinaries (?) at the universitie of Cambrige twenty pounde that is to saye iiii pounde to be payed yearelye by the space of fyve yeares Item I geve to Elysabeth Vincent my servant fortye shillinges and to John Turpen my Stewarde xl^s Item I geve toward the Adempcyon and payment of the fees of such prysoneres as shall be delyvered oute of the Castell of Norwyche twentye shillinges yearely during the space of fyve yeares next after my decesse Item I geve and bequeth to the parishners of the paryshe of Sanct Marten at the paleys gate in Norwyche my pleyne gylte goblett wythout a cover to serve for the communyon in theyr paryshe churche undre this condycion folowing that is to saye that they or enye of them shall not sell or gyve nor otherwyse put awaye the same goblet from that use And if they or enye of them shall sell geve or otherwyse put awaye the same goblett then I woll that this my gyfte and bequest thereof shal be thereby voyed and that then yt shall be lawfull for myn Executors and the Executors of them to demaunde and recover the sayed goblet agayne this my gyfte and bequeste notwithstanding Item I woll that my hangens wyth my bedd and bedsted and the syller and Testor of Crimson damaske and curteyns of crimson sarcenet and the Coverlet of Verdor as it nowe stondesth in the chambre over the kytchen in my place and the hangens of saye in the galerye there and the hangens of tapsterye in the grete chamber the brewing vessellis and iii grete coffers in the warddrop of the said place shall styll remeyne there to thuse of him her or

tnem that shalbe owners of the sayed place next after my deacese Also I woll that my Executors with the issewes Revenewes and proffettes whiche I woll by them to be taken and perceyved of the manors landes and Tenements and heredytamentes The issewes and profettes whereof for terme of certeyne yeares yet to come by the last wyll of Syr Philip Calthorpe my late husbond be Assigned and wylled to be taken and perceyved by his Executors Administrators or Assignes or theyr Executors Administrators or Assignes to and for the payment of the debtes and performaunce and exequutyon of his Testament and laste wyll shall paye the debtes of my late husbond which yet remeyne unpaid And also with the same issewes and profettes shall performe fullfyll and exequite such clauses Artycles legacyes and bequestes of his sayed Testament and last wyll as remayne yet not performed nor fullfyllled acording to the trewe intent purpose and meaning of the same last wyll and Testament of my sayed late husbond And all the Resydewe of the same Revenewes and profettes of the same manors landes Tenements and heredytamentes during the sayed yeares expressed in the last wyll of my sayed late husbond I geve and bequeth to Ladye Anne my doughter so that she do repent of her former evyll liff or ellis I woll that the same Revenewes and profettes shall be otherwyse bestowed by the dyscrecion of myn Executors in dedes of charytie And I woll that myn executors shall geve and dystribute twentye stonys of wooll shortlye after my deacese to the pore whomen in Norwiche by theyr discrecion wherof I woll Margaret Brigge shall have one ston The Resydewe of all my plate goodes and Cattaylis aswell Moveable as Unmoveable I woll shall be soulde by my Executors towards the performance of this my Testament and last wil' whom I constytute ordeyne and make Syr Edward Warner knyghte John Bleverhayset Esquire and Wylliam Bleverhayset to be myn Executors whom I Require and charge to dyspose the same to the pore and nedye persons to the moost honor and glorye of god according to the faythfull truste and expectacyon which I have in them wytnesse to this Testament and last Wyll Awsten Styward Alderman John Aldryche Alderman and Thomas Beare

Jane Calthorpe

This sedule made the xviiith of Apryle in the yeare of ower Lorde mCCCCCl is to be annexed to the Testament of Dame Jane Callthorpe wyddow as hir last wyll concerning the legacyes and bequestes undre wreten

Where I the sayed Dame Jane have by my sayed Testament wyllede that myn Executors wyth the yssewes revenewes and profettes of the manors landes Tenements and heredytamentes wherof Syr Philippe Calthorpe my late husbond by his last wyll wylled the Revenewes and profettes to be taken by his Executors Administrators or Assignes or theyr Executors administrators for terme of certeyn yeares yet to come to and for the payment of his debtes and performance of his Testament and last wyll shuld paye the debts and performe the Testament of my last husbond which debtes being payed and his Testament and last wyll performed I gave by my sayed Testament all the resydewe of the Revenewes and profettes of the same manores landes and Tenementes to Ladye Anne my doughter during all the yeares expressed in the last wyll of my sayed late husbond so that she ded repent of hir former evyll lyff as in my sayed Testament yt doth apere Nowe I the said Dame Jane do clerelye revoke and renounce my sayd legacye geven to my sayed doughter Ladye Anne and wyll that the sayed clause in my sayed Testament concerning the same shall be frustrate and clerely voyed And now I the sayed Dame Jane geve to the sayed Lady Anne my doughter thirtye pounδες yearely to be taken of the Revenewes and profettes of the sayed manors landis and Tenements during the terme of yeares mencyoned in the sayed last wyll of my sayed late husbond upon condycion that the sayed Ladye Anne do repent of her former evyll lyff and contynewe and dwell wyth my syster Ladye

Graye hyr Aunte or in such other place as myn Executors or the Executors or Assignes of them shall appoynte and Assigne to the sayde Ladye Anne or ellys I woll that this my legacye to hir shalbe clereiy voyed And then I woll that my Executors shall dispose the same revenewes and profettes in dedes of charytye And I woll that the resydewe of the revenewes and profettes of the sayde manors landes tenements and heredytamentes over and above the sayde thirtye powndes by yeare and the charge for the gathering therof shalbe bestowed in the performaunce and fulfylling of this my Testament which being performed the resydewe to be dysposed in dedes of charytye to the moost pleasure of god

Item where I gave to my servant Roger Stannowe fowre marks yearely during his lyef by my sayde Testament I do now clerely renounce and revoke my sayed gyfte and legacye to the sayed Roger as clerely voyed And nowe I geve to him tenne powndes in monye whereof he hath all redye fyve powndes whiche he oweth me which I woll shall be parte of his sayed Legacye

Item I geve and bequeth to my servant Wylliam Halle my pece of lande in Tunsted in the Cownty of Norffolk conteyneng by estymacyon seven acres be yt more or lesse whiche I purchased of Nycholas Bysshope To have and to houlde the sayde pece of land to the same Wylliam and to his heires forever

Item where I gave by my said Testament to my nephew Syr Edward Warner knight fowre hundred ewys of my flock then at Burneham Now I revoke and renounce my sayde gyfte to the sayd Sir Edward and wyll yt to be clerely voyed And now I geve to him the same Syr Edward my basen and Ewer of sylver snage gilte and tenne powndes in moneye

Item I geve to my nephew Wylliam Bleverhaiset all my whete and malte whersoever yt be toward the meyntyning of hospytalytye within the paryshe of Sancte Marten at the paleyce gate in Norwiche

Item I geve to my Nephewe Edward Bleverhayset my chales of sylver all gylte wythe the paten

Item I geve to my servant John Leche fyve marks

And I woll that the legacyes which I have geven in my sayde Testament to the two chylldren of my lorde of Sussexe shalbe delyvered to them at their severall ages of xviii and over yeares And if eyther of them shall dye before that age then I woll that the sayde legacye of the partye so dyeng shall be dysposed by myn Executors in dedes of charytye Wytnesse to this sedule Austen Steward alderman John Aldrich alderman John Barrett and Robert Watson

(Proved 5th May 1550)

(NRO NCC Wills 9 Corant 1550)

- d) An Inventorie of all the goods and chattells moveable and immoveable of Robert Greene late deceased in the parish of St. Martin's at the Palice made and prised by Robert Greene and John Man the xix of October Anno dni. 1591

In the parler

	In primis his gownes and the rest of his apparell	xl s.
Item	xxi bedsteads and fether bedds with the furniture belonginge to the same	lx £
It.	lx payer of shets and thre dozen pillowberes	xv £
It.	board clothes and other naperie belonginge to the same	v £
It.	2 cubbords and six chists	xi s.

In the hawle

It.	one table two formes two chaires one carpett, one dozen and halfe of joyned stooles	xl s.
It.	two dozen of coshens	xl s.
It.	a table of Christn religion and one wondow Curten	x s.

In the great hawle

It.	two longe formes and thre Coshens	v s.
It.	the armorie	xl s.

In the chamber over the kitshing

It.	on table one forme	iis. vi d.
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the great chamber

It.	one table one lINTRI boord one covered cheare two formes two covered stooles one window coshen, one carpet & two doggs for ye fier	iii £
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In the men's chamber

It.	two beddsteads two flockbeds & the furniture to them	xx s.
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	In the meads chamber	
It.	two bedsteads, two flockbedds & the furniture to them	xx s.
	the chappel chamber	
It.	one lintri table one carpet one forme one chere two yron doggs	x s.
	the corner chambe	
It.	one Carpet	xii d.
	the greene chamber	
It.	on lintri table one cheare one forme	iii s.
	the archers chamber	
It.	one carpet one forme	x s.
It.	the stained clothes	v s.
	the bachelers chamber	
It.	one table one linary bord one carpet one long forme one payer of doggs & the stained clothes	xl s.
	the hygh bachelers chamber	
It.	one table one chaire	vi s. viii d.
	the great parler	
It.	one square table one linary table thre formes one payer of irons one carpett	xl s.
	the spread egle parler	
It.	one forme one cheare	ii s.
	the swane parler	
It.	one table two forme on cheare	x s.

in the two kitchens

It.	one long moldinge bord on dresser one lead & a greynestone	xxx s.
It.	two pair yron Racks five spitts fower latis pans two paier of doggs fower fier pans, fower payr of tongues two gredyrons two payre of pott hooks, thre hakes two yrone barres	iii £.
It.	fyve brasse potts, eight kettles, thre skellets, two latten bassens, one laver, two morters, a payr of mosterd quernes one payre of bellewes twenti kandlesticks fower chaffing dishes of latten	x £.
It.	pewter of ye greater sorte thre score & ten: peweter of the lesser sorte fortie, ten salts ten pewter chamber potts, two & twentie vine potts	vi £.
It.	two choppinge kniffes, one grater two sheringe knives, one scomer one fleshehooke, six treas fyve toobbes, two kandleplats	x s.
It.	one horse three kye	x £.
It.	xxti load of hey	x £.
It.	thousand f wood with ye rest	x £.
It.	sea coale	iiii £.

In the vine seller

It.	thre ton of vine	lvii £.
It.	all the silver plate, three tippt potts	xxxiiii £.

Suma. totall iiCxlviiii £. v s. ii d.

by me John Man (signed)

Robert Greene (by mark)

Exhibitum fuit ... xxiii die mensis Octobris Anno Dni.

1591 per Margaretam Greene ux. predicti.

N.&N.R.O.	e)	<u>Purchases by British Gaslight Co. Ltd (Norwich)</u>
TC/D 167	1850	Eastern part of former Erpingham House and land North and East to river.
TC/D 161	1852/3	Right of way to river at east of site.
TC/D 173	1854	Western part of former Erpingham House and property to West to river.
TC/D 168	1857	Part of Malthouse Yard.
TC/D 175	1858	Block of tenements on World's End Lane SW of former Erpingham House
TC/D 176	1858	South-west cottage of block above.
TC/D 174	1858)
TC/D 172	1858)
TC/D 165	1862)
TC/D 162	1862) Parts of Malthouse Yard.
TC/D 163	1862)
TC/D 159	1863)
TC/D 169	1864)
TC/D 146	1865	Right of way to Adam and Eve Gardens north of Malthouse Yard (in exchange for right of way north of Tabernacle.)
TC/D 171	1868)
TC/D 170	1874)
TC/D 177	1874) Parts of Talleyrand Street.
TC/D 164	1874)
TC/D 178	1874)
TC/D 166	1875)
TC/D 158	1896	Cullingford's Paper Mill (Property No. 5).
TC/D 80	1924	Tabernacle.

f) The Parish of St. Mathew

a) The Parish

The now-lost church of St. Mathew was situated in the north-east corner of what eventually became the Bishop's Garden (Fig. 97). The parish included the site of the Grammar School for the City, and some properties to its east and south which became part of the Hospital of St. Giles. It also encompassed the land south of the church and west of Holmstreet. To the north of the church the extent of the parish cannot be precisely defined, as sufficient early documents do not survive, but it is likely that the boundary ran across the block of property to the east of St. Martin's church, and certain that it then ran west of the holding of the Prior of Ely (Property No.6) to the river bank. This means that the excavation site was in the original parish of St. Martin and the whole of what was to be Berney's Inn was in that of St. Mathew.

As early as 1254 the parish had become very poor, for when ecclesiastical property in England was assessed by Bishop Walter of Norwich in that year St. Mathew "ad Portam Scolarium" was listed among those churches with no income at all (Hudson 1910. 106). Subsequently it fell into disrepair and the parishioners resorted to St. Martin. In 1368 it was stated "parochiani dicte ecclesie Sancti Mathei ruinosse percipiunt sacramenta et sacramentalia ibidem" (i.e. they received the sacrament and made confession at St. Martin's) "et recursum habent ad eandem a tempore pestilencie magne contigentis in anno Dni Millesimo CCC mo.xl.nono" (1349) (Watkin 1947, 26). It was formally annexed to St. Martin's parish in 1377 (Blomefield 1806, IV, 378).

b) The School

The most significant building in the parish before the construction of the Berney mansion was the grammar school, which occupied a large site between the road (Bishopgate) near the church and the river. It was bounded also by a lane which ran outside its west wall as far north as World's End Lane (Fig. 97; the lane was closed by c. 1550).⁸⁷ It always bore a landgable charge of 4d transmuted into a rent of assize of the same amount after the Dissolution.

Bishop Herbert de Losinga established a grammar school at Norwich as he had at his earlier foundation of Thetford. It was on part of

his own manor of Thorpe, and was the chief school for the City. It was presided over by a master, the only person licensed to teach in the City, who lived in the schoolhouse. He was also responsible for a second school, held in the Priory Almoury, for the children of those who lived in the precinct. This was free, which the Episcopal school was not. In 1423, John Hancock, after twenty years as master, leased the grammar school to John Rikkes who was to maintain the buildings. Hancock retained control of the grammar school but agreed that he would only teach in the Almoury school, accepting no more than twelve additional pupils from outside the precinct (and the precinct of St. Leonards). (Saunders 1932, 85 ff). Before retiring he paid the Celerar his landgable arrears.⁸⁸

The Rule of St. Benedict had decreed that for their better regulation children should eat in the refectory with the monks and sleep in their dormitories. It forbade personal possessions, enjoining the regular searching of beds to guard against the vice of hoarding. Watch was to be kept over the children and youths at all times; punishment for those under fifteen was to be not spiritual but physical, administered with moderation and descretion (though all the monks were free to mete this out). (Gasquet 1909, passim).

The separate accommodation for the school in Norwich indicates that some at least of these regulations were regarded as "old and som-del streit" (the opinion of Chaucer's monk). Though the date of the first building is not known it is always listed among the Priory's possessions in the Obedientiaries' Registers and was confirmed by a Papal bull of 1155 (Dodwell 1974, Charter 278). The Iter of 1285/6 records the presentation of the then master, Thomas de Plumsted, for encroaching on the king's river, as his predecessor, William de Blaufeud, had also done.⁸⁹ This purpresture measured 50' x 8'. The buildings were the responsibility of the Communar who used Caen stone for a gate and a doorway in 1326/7 and inserted a window in 1329/30 (Ferne and Whittingham 1972, 106, 114).

The day-to-day lives of the Norwich scholars were probably governed by rules similar to the Statues of the Almoury School of St. Albans, another Benedictine house, which survive from 1339 (Myers 1969, 907). Pupils were enrolled for not less than five years. There were regulations for the daily singing of services and provision for

expulsion of miscreants. When admitted "they shall shave a full crown; ... and let them keep up their tonsures as befits clerks." The Norwich school may have used the chapter-house for choir practice, for St. William was alleged by the monks to have requested that his tomb be placed there among the boys' seats. (Jessup and James 1896, xx and 120).

No doubt most of the Norwich monks passed through the school. William Bateman (Bishop from 1343 - 1355) was a pupil there. He was the son of William Bateman, who was eleven times Bailiff of Norwich and MP for the City (Blomefield 1806 III, 506). The Bishop's niece Sara was the first wife of John Berney.⁹⁰ A famous scholar of the Priory school's later days was Mathew Parker, born in Norwich in 1504. He became chaplain to Queen Anne Boleyn and tutor to Queen Elizabeth, who made him Archbishop of Canterbury (Blomefield 1806 III, 306).

After the Dissolution when the Grammar School was taken over by the City, the old site was leased to the Calthorpes, who by then owned the former Berney mansion next door. "To Dame Jane Calthorp, widow ... the yard or close called Skolehousyerd with the house therein standing ... for 99 years paying 6/8 per year."⁹¹ It still carried a rent of assize of 4d., the same sum received by the Cellarer in 1327. Lady Jane's nephew William Blenerhasset inherited her unexpired leases and in 1574 he was licensed to take down the school building and carry it away (Blomefield 1806 IV, 376). After this the northern part of the yard was used for the building of a range of domestic offices for the Calthorp house. However, Blenerhasset soon moved his chief residence across the river to the former Monks' Grange and by 1600 the big property was in other hands. From then on the site was exploited by its owners to accommodate more and more of the increasing population of the parish.

c) The Tabernacle

A group of such tenements, occupying the southwestern part of the School site was pulled down in the mid-eighteenth century for the building of a Methodist Chapel. In 1752 James Wheatley a minister of the Gospel, had arrived in Norwich from Wiltshire, where he had been prohibited from preaching by John and Charles Wesley. At first his

evangelism aroused fierce opposition, and on August 19th of the same year an unruly mob seized him, without wig, hat or gown, and marched him all over the City, threatening to duck him in the river. They were only subdued by the arrival of the Mayor, the Sheriff and their officer on horseback. Undeterred, Mr. Wheatley persisted in his ministry and the following April his permanent chapel was inaugurated by Rev. George Whitfield, the noted London Methodist, who preached in it all day.⁹²

The Tabernacle, so called after one in Tottenham Court Road, measured 70' x 52' and was galleried all round with a large pulpit on pillars at the west end. To the south was an enclosed courtyard, in which stood the minister's house. The enterprise seems to have been managed by a group of trustees (a yarnfactor, a printer, a worsted weaver, a peruke-maker, a dyer, an upholsterer and a "gentleman") who leased the whole to Mr. Wheatley for life.⁹³

He stayed until 1775, when his lease was purchased by Selina, Countess of Huntingdon, who nominated her own ministers. Services continued to be held there throughout the nineteenth century. It was acquired by the Gas Company in 1924 (microfiche M4e) but the building was not finally demolished until 1970. Some of its formerly handsome facade can be seen in a photograph taken not long before this date.⁹⁴

An Inventory of the pre-demolition records of Building 3132

It has proved difficult to assemble all the data concerning this building and it is extremely unlikely that the following inventory is exhaustive. Material has been discovered either in or from the following places (with their abbreviations used hereafter in brackets):

Norwich Castle Museum (NCM)
 Norwich Survey (NS)
 National Buildings Record, Royal Commission on Historical
 Monuments (England) (RCHM)
 Norwich City Architect's Department (NCAD)
 Norfolk Archaeological Unit (NAU)

Material from the Architect's Department was held with other material at the Castle Museum. Records currently with the Norwich Survey (1986) will shortly be passed to the Norfolk Museums Service and it is hoped to provide a digest of any buildings' records in the County Sites and Monuments Record.

Some of the material, notably photographs, was not annotated in any way. It has been possible to identify these and the following list is therefore also (briefly) descriptive. Copies of all the drawings and many of the photographs are held in the archive.

a) Photographs

AA46/1875 (photographed 1946). Photographer E.C Legrice. Shows front elevation of building (No. 18, St. Martin-at-Palace Plain). View looks NW. To the right the bay window is visible. To the left part of the building above the site of the Norman structure (Building 2150). NS/RCHM. Reproduced as Plate XLVI in this volume.

AA46/2149 (photographed 1946). E.C Legrice print of a W. Buston negative. View of bay window. North room not ruined at this date. The building was occupied (it was empty by 1956). NS/RCHM.

AA52/1847. Photo: 1952. Photographer Hallam Ashley. Front elevation. East gable repaired in brick. RCHM.