

**Excavations at
North Shoebury:
settlement and
economy in
south-east Essex
1500BC-AD1500**

**by J.J. Wymer
and N.R. Brown**

with contributions from
D. Andrews, P.R. Barford,
Ruth S. Leary, D.G. Buckley,
Janet D. Henderson, Andrew Jones,
Marsha A. Levine, H. Major,
P. Murphy, R.M. Reece, P. Ryan,
Isobel Thompson, Susan Tyler,
H. Walker and N. Wickenden

**East Anglian Archaeology
Report No. 75, 1995**

**Archaeology Section
Essex County Council**

EAST ANGLIAN ARCHAEOLOGY
REPORT NO. 75

Published by
Essex County Council Archaeology Section,
Planning Department,
County Hall,
Chelmsford, CM1 1LF

in conjunction with
The Scole Archaeological Committee

Editor: David Buckley
EAA Managing Editor: Jenny Glazebrook
Assistant Editor: Caroline Ingle

Scole Editorial sub-committee:
David Buckley, County Archaeologist, Essex Planning Department
Keith Wade, County Archaeological Officer, Suffolk Planning Department
Peter Wade-Martins, County Field Archaeologist, Norfolk Museums Service
Stanley West

Set in Times Roman by Joan Daniells using ® Ventura Publisher
Printed by

© Essex County Council 1995

ISBN 1 85281 130 7

For details of *East Anglian Archaeology*, see inside front cover

This volume is published with the aid of a grant from English Heritage

Cover illustration

Late Iron Age cremation burial 1232 under excavation, showing cremated bone outside the pot, and articulated pig spinal column along south edge of pit.

Contents of Fiche

Phase I:1 Feature Descriptions	A4	Table 10	Feature composition for cow, sheep/goat and pig	E3
Macleod Phase I:1 Feature Descriptions	A7	Table 11	Tooth: Bone Ratios	E4
Phase I:2 Feature Descriptions	A8	Table 12	Frequencies of other Taxa	E5
Macleod Phase I:2 Feature Descriptions	A9	Table 13	Tooth MNI and ageing for main species	E6-7
Phase I:3 Feature Descriptions	A13	Table 14	Cranial and post cranial frequencies and MNI	E7
Macleod Phase I:3 Feature Descriptions	B1	Table 15	Comparison of frequencies of foot bone to upper limb bones	E8
Phase II:1 Feature Descriptions	B7	Table 16	Bone preservation state	E9
Phase II:2 Feature Descriptions	B9	Table 17	Comparison of the proportions of cranial bones and foot bones to that of upper limb bones	E9
Macleod Phase II:2	B11	Table 18	Sheep/goat mortality patterns	E10
Phase III:1 Feature Descriptions	B11	Table 19	Butchery marks	E11-12
Phase III:2 Feature Descriptions	B13	Table 20	The relative quantities of organic and inorganic remains	E13-14
Phase V:1 Feature Descriptions	C1	Animal Bone report appendix 1	Horse — anatomical element representation	F1
Phase V:2, and Macleod Phase V:1 Feature Descriptions	C9	Animal Bone report appendix 2	Cow — anatomical element representation	F2-4
Period VI Feature Descriptions	C9	Animal Bone report appendix 3	Sheep/goat — anatomical element representation	F5
Fig. 105 Section of Neolithic feature M2.82	C13	Animal Bone report appendix 4	Pig — anatomical element representation	F6-7
Fig. 106 Plan of Phase I:1 and I:2 features recorded by Macleod	C14	Animal Bone report appendix 5	Large Ungulate — anatomical element representation (horse/cow/deer)	F8
Fig. 107 Section of Phase I:2 feature recorded by Macleod	D1	Animal Bone report appendix 6	Medium Sized Animals (smaller artiodactyles and dog) — anatomical element representation	F9
Fig. 108 Sections of Phase I:2 features recorded by Macleod	D2	Animal Bone report appendix 7	Measurement	F10-14
Fig. 109 Sections of Phase I:2 features recorded by Macleod	D3	Table 24	Land Molluscs from 1364	G1-2
Fig. 110 Plan of Phase I:3 features recorded by Macleod	D4	Table 25	Land and freshwater molluscs from medieval and later features	G1-2
Fig. 111 Sections of Phase I:3 feature recorded by Macleod	D4	Table 26	Hand-collected marine molluscs counts	G1-2
Fig. 112 Sections of Phase I:3 features recorded by Macleod	D5	Table 27	Non-edible marine molluscs and other invertebrate from soil samples	G3
Fig. 113 Sections of Phase I:3 features recorded by Macleod	D6	Table 28	Counts and percentages of main molluscs species	G3
Fig. 114 Sections of Phase I:3 features recorded by Macleod	D7	Table 29	Oyster valve dimensions	G3
Fig. 115 Section of Phase I:3 features recorded by Macleod	D8	Table 30	Oyster valve attachment	G3
Fig. 116 Plan and sections of Phase I:3 features recorded by Macleod	D9	Charred remains of crop plants and weeds, including Tables 31-35		G4-13
Fig. 117 Plan and sections of Phase I:3 features recorded by Macleod	D10			
Fig. 118 Plans of Phase V features recorded by Macleod	D11			
Fig. 119 Prehistoric pottery fabrics	D12			
Fig. 120 Roman pottery fabrics	D13			
Fig. 121 Roman pottery fabrics	D14			
Fig. 122 Roman pottery fabrics	E1			
Table 9 Abbreviations used in animal bone Tables	E2			
	E3			

Microfiche

Phase I.1 Feature descriptions

Pit 0517 Grid DZ 9648 Section Fig. 17

Diameter 0.80m, depth 0.26m.

Base of flat bottomed sub-circular pit revealed during topsoil stripping on ASDA site.

Fill: (A) Orange brown silt loam with frequent fire cracked flints, fired clay and occasional pebbles.

Dateable finds: Flint tempered MBA-LBA pottery including ?jar rim Fig. 62.23.

Pit 0520 Grid MQ 1156 Section Fig. 17

Diameter 0.60m, depth 0.25m.

Sub-circular steep sided flat bottomed feature, revealed during topsoil stripping for ASDA development.

Fill: (A) Grey brown silt loam with occasional pebbles.

Dateable finds: Flint tempered body sherds ?MPA-LBA.

Pit 0521 Grid MQ 2159 Section Fig. 17

Diameter ?0.65m, depth 0.23m.

Apparently sub-circular flat bottomed feature full extent unknown as partly removed by contractor's machinery. Revealed during topsoil stripping on ASDA site.

Fill: (A) Grey brown silt loam with occasional pebbles.

Dateable finds: MBA pottery including rims of bucket urns Fig. 62.24-25.

Pit 1000 Grid LW 6176 Section Fig. 17

Length at least 0.80m but limit not ascertainable as cut by 1001, and 1971-72 box section.

Width 0.70m; Depth 0.20m.

A shallow, sub-rectangular pit, roughly flat-bottomed.

Fill: orange brown silt loam (A) but varying little in texture from the natural brickearth. Contained about half of a bucket urn lying on its side (487S) and a few sherds of other vessels. Fill within vessel: grey brown silt loam with charcoal flecks (B).

Dateable finds: MBA pottery (Fig. 62.12).

Pit 1035 Grid LW 5189 Section Fig. 17

Length 1.90m; Width 0.74m; Depth 0.39m

A steep-sided, elongated pit.

Fill: (A) grey brown silt loam with occasional lenses of redeposited brickearth and flecks of charcoal. Sherds include decorated forms.

Also contained within pit: 10 lumps of daub, a few fragments of bones. 2 flint flakes.

Dateable finds: MBA pottery (Fig. 62.20) and one iron nail presumed to be intrusive.

Pit 1179 Grid LW 4477 Section Fig. 17

Diameter 0.70m, Depth 0.18m

Sub-circular flat bottomed feature.

Fill: Grey brown silt loam (A) above orange brown silt loam (B).

Dateable finds: Flint tempered ?MBA body sherds.

Pit 1180 Grid LW 4278 Section Fig. 17

Diameter 0.36m, Depth 0.11m

Subcircular flat bottomed feature.

Fill: Uniform grey brown silt loam (A).

Dateable finds: Flint tempered ?MBA body sherds.

Pit 1194 Grid LW 3672 Section Fig. 17

Diameter 0.88m, depth 0.37m

Sub-circular feature.

Fill: Uniform dark grey brown silt loam (A) with occasional pebbles. The pit appeared to have been half sectioned during the 1971-72 excavation = M891.

Dateable finds: Flint tempered body sherds ?MBA.

Pit 1196 Grid LW 3676 Section Fig. 17

Diameter 0.40m, depth 0.25m

Subcircular feature.

Fill: Grey brown (A) to orange brown (B) silt loam.

Dateable finds: Flint tempered sherds including jar rim Fig. 62.19.

Pit 1167 Grid LW 4372 Section Fig. 17

Length 2.20m; Width 1.80m; Depth 0.60m

A wide, irregular pit, dug as four quadrants.

Fill: Mainly a uniform silty loam with an occasional lens of grey material. Flecked with charcoal and small inclusions of burnt clay.

Contained fragments of fired clay, sherds, animal bones and mussel shells, mostly in the upper fill. A few cockles and one oyster shell were the only other marine shells recorded. Also recovered were, a fragment of sandstone probably from a saddle quern, 12 flint flakes and a crude core.

Dateable finds: MBA pottery Fig 62.1-7. Cylindrical loomweight Fig. 84.6.

Pit 1202 Grid LW 4084 Section Fig. 17

Diam. Top 0.86m; Bottom 1.14m; Depth 0.43m

A flat-bottomed, beehive-shaped pit, with a clay lining (C) to its walls and base.

Fill: Dark grey to black silt loam with charcoal and occasional pebbles (A); grey brown silt loam with charcoal flecks (B). It contained sherds, fragments of daub, a few flint flakes, animal bones and mussel shells. Wheat glumes and grains of hulled barley were extracted from soil samples.

Dateable finds: MBA pottery, Figs 62.17-18.

Pit 1203 Grid LW 4085 Section Fig. 17

Diam. 0.34m; Depth 0.15m

A very shallow, sub-circular pit with a flat bottom and steep sides. A number of sizable sherds were laid flat at the base of the pit in a small depression, reminiscent of a slab burial.

Fill: Grey brown silt loam (A). Apart from a piece of possible quernstone, no bones, daub or other domestic rubbish was recorded from this pit.

Dateable finds: MBA pottery Figs. 62.14-15

Pit 1204 Grid LW 3985 Section Fig. 17

Diam. 0.50m; Depth 0.34m

A sub-circular pit with a flat bottom, slightly concave sides with clay lining (C).

Fill: Dark grey brown silt loam (A); grey brown silt loam (B). The only find was a large rim sherd of a bucket urn (656S).

Dateable finds: MBA pottery Fig. 62.16.

Pit 1206 Grid LW 3428 Section Fig. 17

Length 1.20m, width 0.80, depth 0.60m

Oval flat based feature.

Fill: Grey brown silt loam (A) above light grey brown silt loam (B).

Pit 1209 Grid LW 3485 Section Fig. 17

Diam. 0.75m; Depth 0.15m

Sub-circular, steep-sided pit with clay lining (C).

Fill: dark grey brown silt clay loam with charcoal flecks (A) grey brown silt clay loam (B). Contained sherds, daub fragments, animal bones, charcoal flecks and much burnt material. An unusual find was a minute piece of what is apparently amber.

Dateable finds: MBA pottery Figs 62.9-11.

Ditch 0519 Grid MQ 1454 Section Fig. 17

Length unknown; width 1.00m; depth 0.26m

Short length of ditch recorded during topsoil stripping on SDA site. Shallow flat based, sloping sided.

Fill: Grey brown silt loam fill (A) with occasional pebbles.

Dateable finds: Flint tempered pottery including two rims of ?jars. (Fig. 62.21,22).

Gully 0636 Grid MG 3929 Section Fig. 17

Length 5.5m+, Eastern butt end removed by later feature. Width 0.5m; depth 0.02m-0.10m.

Very shallow narrow gully deepening towards eastern end.

Fill: Uniform light grey brown silt loam (A), with occasional fragments of fired clay, animal bone.

Dateable finds: ?MBA pottery.

Stratigraphic relationship: cut by Roman ditch 0692.

Gully 0653 Grid MG 4765 Section Fig. 17

Length 3.6m; width 0.64m; depth 0.30m

V-shaped narrow gully.

Fill: Uniform orange brown silt loam (A) with occasional animal bone.

Gully 0663 Grid MG 4919 Section Fig. 17

Length 11m; width 0.45-0.60m, depth 0.25m

U-shaped gully.

Fill: Uniform orange brown silt loam (A) with occasional fragments of animal bone.

Dateable finds: ?MBA pottery.

Stratigraphic relationships: cut by Roman ditches 0692, 0635.

Gully 0695 Grid MG 3644 Section Fig. 17

Length 4.8m+, northern butt end removed by later feature. Width 0.5m; depth 0.12m.

Narrow shallow gully.

Fill: Uniform orange brown silt clay (A) with occasional struck flint.

Dateable finds: ?MBA pottery.

Stratigraphic relationships: cut by recent field ditch 0605

Gully 0720 Grid MG 3760 Section Fig. 17

Length 5m; width 0.35m; depth 0.10m

Narrow shallow gully.

Fill: Uniform orange brown silt clay loam (A) with occasional animal bone, struck flint and a concentration of fire cracked flint at northern end.

Gully 1081 (includes 1046, 1004) Grid LW 5172 Section Fig. 17

Length 14.6+ eastern end removed by later feature; width 0.25-0.40m; depth 0.10-0.20m

Series of narrow shallow intercutting gullies.

Fill: Orange brown to grey brown fill.

Dateable finds: Flint tempered body sherds, and one rim of bucket urn Fig. 62.8.

Stratigraphic relationship: cut by Roman ditch 1015. Associated with numerous small stakeholes (Plate IV).

Ditch 1222 Grid LW 3995 Section Fig. 17

Surviving Length 8m full length unknown; width 1m - 1.95m; depth 0.7m

U-shaped ditch.

Fill: grey brown silt loam (E), grey brown silt loam with frequent mussel shell (F), orange brown silt loam (G)

Dateable finds: Flint tempered body MBA sherds including decorated shoulder Fig. 62.13.

Stratigraphic relationship: Cut by Roman ditch 1193 and post-Roman brick:earth extraction pit.

Cremation 0021 Grid DZ 1887 Section Fig. 17

Diameter 0.2m; depth 0.2m

Sub-circular feature.

Fill: Dark grey brown silt loam fill (A) with fragments of burnt human bone.

Dateable finds: flint tempered ?MBA body sherds.

Cremation 0600 Grid NM 8855 Section Fig. 17

Length 0.7m; width 0.4m; Depth 0.4m

Oval feature, flat bottomed steep sided.

Fill: Lower fill black ash, with fragments of charcoal, fired clay and burnt human bone (C). Heat had baked base and lower

sides of feature into hard red fired clay. Upper fill redeposited brickearth.
No dateable finds. Radiocarbon date 3280 ± 90 bp (HAR 4634) Cal BC 1835-1400 at two standard deviations (above 00).

Macleod Phase I.1 Feature Descriptions

Pit M148 Grid LX 6752 Section not drawn

Diameter 0.3m, depth unknown

Sub circular feature.

Fill: not described.

Dateable finds: Flint tempered MBA pottery including bucket urn rim Fig. 62.26.

Pit M225 Grid LW 710298 Section Fig. 18

Length 0.6m, Width 0.45m, Depth ?0.45m (base of feature uncertain)

Fill: Uniform grey clay, with frequent occupation material (1)

Dateable finds: MBA/LBA flint tempered pottery including rims of three jars Fig. 63.46-48. Cylindrical Loomweight Fig. 84.4,5.

Pit M707 Grid LW3684 Section Fig. 18

Diameter at top 0.45m, at base 0.53m, depth 0.25m

Beehive shaped pit.

Fill: Grey clay fill. (1)

Dateable finds: MBA flint tempered pottery.

Pit M711 Grid LW345496 Section Fig. 18

Diameter 0.75m, Depth 0.40m.

Sub-circular feature.

Fill: Grey clay (1).

Dateable finds: MBA flint tempered pottery.

Pit M718 Grid LW 340480 Section Fig. 18

Diameter 1.05m, Depth 0.25m.

Sub-circular feature.

Fill: Grey clay (1) with layer of close packed broken pottery (2) across base of feature.

Dateable finds: MBA pottery.

Pit M859 Grid LW 612840 Section not drawn

Length .64m Width, 0.51m Depth not recorded

Sub rectangular pit.

Fill: not described

Dateable finds: MBA pottery Fig. 63.28.

Gully M227 Grid LW 650225 Section Fig. 18

Length 3.5m, Width 0.45m, Depth 0.08m.

Fill: Grey clay (1)

Dateable finds: ?MBA pottery, Fig. 63.30-31.

Gully M336 Grid LW 680390 Section Fig. 18

Surviving length 6m full extent unknown, width 0.35m, depth 0.13m.

Fill: Grey clay (1)

Dateable find: MBA flint tempered pottery.

Gully M346 Grid LW 650330 Section Fig. 18

Surviving length 4m full extent unknown, width 0.60m, depth 0.10m.

Fill: Grey clay.

Dateable finds: ? MBA flint tempered pottery.

Gully M362/M364 Grid LW 450270 Section Fig. 18

Length 12m, Width 0.68m, Depth 0.35m.

Fill: Grey clay (1)

Dateable finds: ?MBA flint tempered pottery.

Gully M472 Grid LW 650400 Section not drawn

Length 6m, Width 0.40m, Depth not recorded.

Fill: not described.

Dateable finds: ?MBA flint tempered pottery.

Ditch M538 Grid LW300432 Section Fig. 18

Surviving length 18m, full length unknown, Width 1.5-4m, Depth 0.78m.

Fill: Grey clay with plentiful occupation material. (1)

Dateable finds: ?MBA flint tempered pottery.

Stratigraphic relationship: cut by Roman ditches M543 and M696.

Ditch 637 Grid LW680640 Section not drawn

Recorded length 10m, full length unknown. Width 1m-4m. Depth and description below.

Macleod noted 'Feature 637 proved to be more than 4 feet deep with bands of cleaner clay between occupation debris, mussel shells etc., sides sloping at $\approx 45^\circ$ '.

Dateable finds: MBA pottery (Fig. 63.32-45) Cylindrical loomweight (Fig. 84.7).

Gully M881 Grid LW 600830 Section not drawn

Recorded length 14m, full extent unknown, width 0.5m, depth not recorded.

Fill: not described.

Dateable finds: ? MBA flint tempered pottery.

?Cremation M988 Grid C 084592. Section Fig. 18

Length 0.89m, width 0.75m, depth 0.17m.

Small oval pit.

Fill: Grey clay with concentrated charcoal charred wood and fired clay (1).

Dateable finds: small bossed pot buried upright in pit (Fig. 63.29)

Phase I.2 Feature Descriptions

Pit 1008 = M1154 Grid LW 5478 Section Fig. 24, Plate V

Diameter 0.5m?; Depth 0.3m

Steep sided pit with flat base, eastern half removed by previous excavation.

Fill: Orange brown silt loam (A). Dark grey brown silt loam (B). The lower part of a Class IV bowl was resting on the base of the pit.

This feature provides a clear indication of the methods adopted during the 1971-72 rescue work. A narrow box section (1007) had been cut through the centre of the feature and continued well below the base of 1008 into the natural brickearth. The small portion of 1008 remaining to the east of this box section had then been excavated and the whole trench backfilled leaving the western portion of 1008 intact. The feature was numbered as M1154, the planned position is slightly at variance with the position of 1008 as planned in 1981. No section or record of the fill of M1154 was made and no finds were recovered.

Fill of 1007: Dark grey brown silt loam, loose (A). Light orange brown silt loam, occurring as very loosely packed discrete lumps (B) Light grey brown silt loam occurring as very loosely packed discrete lumps (C).

Dateable finds: LBA pottery (Fig. 64.60).

Pit 1428 Grid LV 2553 Section Fig. 24

Length 1.3m; Width 1m; Depth 0.27m

Irregular pit with uneven base.

Fill: Dark grey silt loam with a lens of mussel shells at its base (A), orange brown silt clay loam (B).

Dateable finds: Single Roman sherd from surface. ?LBA pottery (Fig.64.62).

Macleod Phase 1:2 Feature Descriptions

Pit M60 Grid LW944082 Section not drawn

Length 0.75m, Width 0.35m, Depth not recorded
Oval feature.

Fill: not described

Dateable finds: ?LBA pottery

Pit M84 Grid LW660070 Section not drawn

Length 0.80m, Width 0.38m, Depth not recorded
Oval feature.

Fill: not described. Relationship with M81 uncertain

Dateable finds: LBA pottery

Pit M196 Grid LX250490 Section Fig. 107

Diameter 0.40m, Depth 0.25-0.38m

Sub circular feature, section appears to show a possible stake hole in base.

Fill: Grey clay.

Dateable finds: LBA pottery

Pit M220 Grid LW720290 Section Fig. 107

Diameter 0.90m, Depth 0.30m

Sub circular feature, containing large amount of burnt clay and other burnt material.

Fill: not described.

Dateable finds: ?LBA pottery

Pit M224 Grid LW692268 Section Fig. 107

Length 0.9m, Width 0.4m, Depth 0.08m

Oval shallow flat based feature.

Fill: not described

Dateable finds: ?LBA pottery

Pit M228 Grid LW575185 Section Fig. 107

Diameter 1.3m, Depth 0.76m

Sub circular pit.

Fill: (1) Pale grey sandy clay with (1A) lens of fired clay, (2) Compact orange brown clay, (3) Black ashy clay with frequent sherds and bone towards the bottom of layer, and lens of red material (3A), (4) Compact sandy medium brown clay with sparse domestic debris, (5) Compact sticky grey brown clay with occasional charcoal.

Dateable finds: LBA pottery (Fig 64.61)

Stratigraphic relationships: cut by ?medieval ditch M4

Pit M238 Grid LW490150 Section Fig. 107

Diameter 0.80m, Depth 0.30m

Sub circular pit.

Fill: grey clay

Dateable finds: ?LBA pottery

Pit M269 Grid LX438640 Section not drawn

Length 10m, Width 0.40m, Depth not recorded

Sub rectangular feature.

Fill: not described

Dateable finds: ?LBA pottery

Pit M295 Grid LX066539 Section Fig. 107

Diameter 0.45m, Depth 0.15m

Sub-circular feature.

Fill: grey clay with concentrations of pottery (1)

Dateable finds: LBA pottery

Pit M322 Grid LW968486 Section Fig. 107

Diameter 0.68m, Depth 0.15m

Sub-circular feature.

Fill: black soil (1)

Dateable finds: ?LBA pottery

Pit M327 Grid LW821410 Section Fig. 107

Length 1.7m, Width 1.08m, Depth 0.78m

Beehive shaped pit.

Fill: (1) Grey to black clay with frequent pottery, (2) Medium brown redeposited brickearth, (3) Slightly darker brown redeposited brickearth

Dateable finds: LBA pottery. Perforated clay slab

Pit M329 Grid LW786400 Section Fig. 107

Length 0.90m, Width 0.65m, Depth 0.13m

Slightly concave sided pit.

Fill: Grey clay

Dateable finds: LBA pottery

Pit M330 Grid LW790380 Section Fig. 107

Length 1.60m, Width 0.80m, Depth 0.68m

Beehive shaped ditch.

Fill: Grey clay

Dateable finds: LBA pottery (Fig. 63.49-59). Perforated clay slab (Fig 85.15)

Pit M331 Grid LW763641 Section Fig. 107

Diameter 0.68, Depth 0.17m

Sub-circular pit.

Fill: not described

Dateable finds: ?LBA pottery. Perforated clay slab

Pit M335 Grid LW766396 Section Fig. 107

Diameter 0.60m, Depth 0.30m

Sub-circular pit.

Fill: grey clay

Dateable finds: ?LBA pottery

Pit M351 Grid LW530330 Section Fig. 108

Length 3m, Width 1.5m, Depth 0.93m

Oval pit.

Fill: (1) Dark grey clay with occupation material (1A) paler grey clay, (2) Medium brown disturbed brickearth with fragments of fired clay.

Dateable finds: LBA pottery (Fig 64. 65-69). Socketed axe (Fig.54. 1). Perforated clay slab (Fig. 85.16-20)

Pit M447 Grid LX010582 Section not drawn

Length 1m, Width 0.7m, Depth not recorded

Sub-rectangular pit.

Fill: not recorded

Dateable finds: ?LBA pottery

Pit M448 Grid LW984534 Section Fig. 107

Length 0.7m, Width 0.53m, Depth 0.15m

Sub-rectangular feature.

Fill: Grey clay with frequent charcoal

Dateable finds: ?LBA pottery

Pit M521 Grid LW526380 Section Fig. 108

Diameter 0.7m, Depth 0.15m

Sub-circular feature.

Fill: Grey clay

Dateable finds: LBA pottery

Pit M600 Grid LX036790 Section not drawn

Length 2.8m, Width 2.1m, Depth not recorded

Irregular oval feature.

Fill: not described

Dateable finds: LBA pottery, perforated clay slab (Fig. 85.24)

Stratigraphic relationships: cut by M744 ?EIA ditch

Pit M623 Grid LW850620 Section not reproduced

Length 1.3m + Width 0.7m Depth 0.5m.

Elongated pit, full length unknown as southern end removed by M13.

The section (not reproduced) shows a vertical sided perfectly flat based feature which must be the extent of a box section rather than the feature itself.

Fill: Grey clay with plentiful occupation material.

Dateable finds: LBA pottery

Stratigraphic relationship: Cut by M13

Pit M642 Grid LW790660 Section Fig. 108

Diameter 1.8m, Depth 0.99m

Sub-circular feature. A trench appears to have been sunk through the centre of this feature, the sides were not reached, see section.

Fill: (1) Upper fill with pottery and flints, (2) Dirty clay with pottery and flints, (3) Darkish clay with burnt earth, (4) layer of burnt earth, (5) Dirty clay with burnt earth and 'wattling', (6) Layer of charcoal and burnt earth.

Dateable finds: LBA pottery, perforated clay slabs

Pit M643 Grid LW 760610 Section Fig. 108

Length 2.45m, Width 1.0m, Depth 0.13m

Shallow oval pit east edge ill defined.

Fill: Grey clay with charcoal

Dateable finds: LBA pottery, perforated clay slab

Pit M644 Grid LW 810620 Section not drawn

Length 1.2m, Width 0.6m, Depth not recorded

Oval pit

Dateable finds: LBA pottery (Fig. 65.71-80), perforated clay slab (Fig. 85.21- 23)

Pit M715 Grid LW308520 Section Fig. 108

Length 0.9m, Width 0.65m, Depth 1.15m

Oval pit.

Fill: (3) Dark grey fill, (4) Orange brickearth, (5) scattering of shell in orange clay, (6) concentration of shell and burnt material in streaks.

Dateable finds: LBA pottery.

Stratigraphic relationships: cut by Roman ditch M696 = 1193

Pit M813 Grid LW918822 Section not drawn

Diameter 0.60m, Depth not recorded

Sub-circular pit.

Fill: not recorded

Dateable finds: LBA pottery

Pit M1032 Grid LM760040 Section not drawn
Length 1.4m, Width 1.0m, Depth not recorded
Irregular oval pit.
Fill: not recorded
Dateable finds: LBA pottery

Feature M13 Grid LX520310-LW620924 Sections Fig. 108
Length 112m, Width, Depth variable see description and sections.
Both the plans and sections show this feature to be a series of intercutting lengths of gully and ditch, however the recorded information is insufficient to suggest the sequence in which they were dug. Appears to continue in use throughout phases 1:2 and 1:3.
Dateable finds: LBA pottery, EIA pottery. Perforated clay slab.
Stratigraphic relationships: cut by modern field ditch. Cuts M83, M173

Ditch M81 Grid LW700065 Section Fig. 109
Length 32m + Width 0.5m Depth 0.15 - 0.25m
Narrow shallow ditch with parallel recut (M81A on section). Recut could be traced for 14m of the recorded length.
Fill: Dirty dark earth with flint and sherds.
Dateable finds: LBA pottery.

Ditch M83 Grid LW940340, Section Fig. 109
Length 65m +, Width 0.33-0.68m, Depth 0.15-35m
Ditch running North South. *Fill* not described.
Dateable finds: LBA pottery (Fig 64.64). Perforated clay slab
Relationship with M13 uncertain

Ditch M97 Grid LW400030, Section not drawn
Length 17m + Width 0.8-1.6m, Depth not recorded.
Ditch running North east/south west appears to split into two features towards south east.
Fill: not recorded
Dateable finds: LBA pottery, EIA pottery
Stratigraphic relationships: ?cut by M91

Ditch M218 Grid LW846300, Section Fig. 109
Length 28m + Width 0.20-0.90m, Depth 0.35m
Ditch running north south. *Fill* not recorded
Dateable finds: LBA pottery, EIA pottery
Stratigraphic relationships: cut by ?medieval ditches M2, M3, M4, M58

Ditch M244 Grid LW440140, Section Fig. 109
Length 7m + Width 0.8-1.1m, Depth 0.2m + (not fully excavated)
Curving gully.
Fill: (1) grey clay
Dateable finds: LBA pottery
Stratigraphic relationships: cut by Roman pit M240

Ditch M253 Grid LW320130, Section Fig. 109
Length 9m + Width 1.6-4m, Depth 0.68m
Ditch running north east/south west.
Dateable finds: LBA pottery

Ditch M257 Grid LW330305, Section Fig. 109
Length 4.1m, Width 0.48m, Depth 0.16m
Gully running north east/south west.
Fill: grey clay
Dateable finds: ?LBA pottery, perforated clay slab

Ditch M622 Grid LW980725 Section Fig. 109

Length 7m Width 0.75m Depth 0.1 - 0.27m

Narrow shallow ditch running roughly parallel with M13. North butt end turns slightly towards M13, south butt end turns sharply towards M13. Profile varies from flat based to V shaped.

Fill: grey clay with 'much flint and burnt clay at butt end' though which butt end is not stated.

Dateable finds: ?LBA pottery

Ditch M749 Grid LW985920 Section not reproduced.

Length 15M+ Width 0.6m Depth 0.15m

Narrow shallow ditch running north east/south west. Section is perfectly flat and vertically sided and presumably represents the profile of the box section rather than the feature itself.

Fill: grey clay.

Dateable finds: LBA pottery

Ditch M750 Grid LX100025 Section not drawn

Length 5M+ Width 0.5m Depth not recorded.

Narrow ditch full length uncertain as no butt ends could be defined.

Fill: not recorded.

Dateable finds: LBA pottery

Ditch M1024 Grid LN010373 Section not drawn

Length 4m+ Width 0.3 - 0.6m Depth not recorded

Narrow ditch full length uncertain as no western butt end could be defined. West end stops at M1009 but relationship not recorded.

Fill: not recorded.

Dateable finds: LBA pottery

Ditch M1029 Grid LM790170, Section Fig. 109

Length 9m, Width 0.8-1.1m, Depth 0.37m

Gully running north south and turning to north west at norther end.

Fill: not described.

Dateable finds: LBA pottery, perforated clay slab

Phase I.3 Feature Descriptions

Posthole 1006 Grid LW 5679 Section Fig. 24

Diameter 0.9m; Depth 0.4m

Sub-circular steep sided feature, deeper eastern part may represent post socket.

Fill: Light grey brown silt loam (A). Forms part of a four post structure with 1009, 1026 and 1030.

Dateable finds: EIA pottery.

Posthole 1009 Grid LW 5379 Section Fig. 24

Diameter 0.5m; Depth 0.45m

Sub-circular steep sided feature.

Fill: Orange brown silt loam fill of posthole (A and C), grey brown silt clay loam (B) fill of postpipe. Forms part of a four post structure with 1006, 1026 and 1030.

Dateable finds: EIA pottery.

?Posthole 1026 Grid LW 5782 Section Fig. 24

Diameter 0.68m; Depth 0.44m

Sub-circular steep sided U-shaped feature.

Fill: Light grey brown silt loam (A) probably forms part of a four post structure with 1006, 1009 and 1030 although no sign of a postpipe was detected.

Dateable finds: EIA pottery.

Stratigraphic relationship: cuts 1023.

Posthole 1030 Grid LW 5482 Section Fig. 24

Diameter 0.72m; Depth 0.46m

Sub-circular steep sided feature, slightly deeper central section may represent postpipe.

Fill: Grey brown silt loam (A) central fill of postpipe, light grey brown silt loam (B) fill of posthole. Forms part of four post structure with 1006, 1009 and 1026.

Dateable finds: EIA pottery.

Pit 1033 Grid LW 5685 Section Fig. 24

Diameter 0.8m; depth 0.3m

Sub-circular pit flat based, slightly deeper V-shaped cut on east side possibly a stakehole.

Fill: light grey brown silt loam (A).

Dateable finds: EIA pottery

Pit 1043 Grid LW 5193 Section Fig. 24

Diameter 0.40m; depth 0.20m

Sub-circular pit or posthole V-shaped profile.

Fill: Grey brown silt loam.

Dateable finds: EIA pottery

Pit 1071 Grid LW 5091 Section Fig. 24

Diameter 0.38m; Depth 0.22m

Sub-circular pit or posthole. U-shaped profile.

Fill: Grey brown silt loam (A).

Dateable finds: EIA pottery

Pit 1072 Grid LW 4649 Section Fig. 24

Diameter 0.46m; Depth 0.14m

Sub-circular pit or posthole.

Fill: grey brown silt loam (A). May form part of a two post rack with 1075.

Pit 1073 Grid LW 4994 Section Fig. 24

Diameter 0.44m; Depth 0.18m

Sub-circular pit or posthole. Steep sided on east, sloping sided on west.

Fill: Grey brown, silt loam (A)

Dateable finds: EIA pottery

Pit 1075 Grid LW 4640 Section Fig. 24

Diameter 0.5m; Depth 0.2m

Sub-circular pit or posthole. U-shaped profile.

Fill: Grey brown silt loam (A). May form part of a two post rack with 1072.

Dateable finds: EIA pottery.

Pit/Hearth 1412 Grid LV 5580 Section Fig. 24

Diameter 0.95m; depth 0.8m

Very shallow flat based feature.

Fill: Dark grey brown silt clay loam (A), partly burnt orange brown silt loam (B). Contained a large quantity of carbonised peas.

Dateable finds: EIA pottery (Figs. 67.121-123)

Radiocarbon date 2130 ± 80 bp (HAR 5104) Cal BC 390- Cal AD 20 at two standard deviations

Gully 1023 Grid LW 5782 Section Fig. 24

Length 2.4m; width 0.36m; depth 0.08m

Short length of shallow gully running NE-SW.

Fill: Grey brown silt loam.

Equivalent to M877, however the two features as planned do not entirely match.

Gully 1435 Grid LV 3832 Section Fig. 24

Length 8m +; width 0.2-0.4m; depth 0.04-0.2m

Curving shallow gully full extent unknown as both ends extended beyond the excavated area.

Fill: Grey brown silt loam (A).

Dateable finds: EIA pottery.

Ditch 1422 Grid LV 2166 Section Fig. 24

Length 25m +; width 0.15-1m; depth 0.12-0.3m

Ditch running roughly north-south, full extent unknown as both ends extended beyond the excavated area. The ditch widened and deepened towards the north and appeared to merge with ditch 1421. During excavation of a segment (1635) at this apparent junction the upper fills were indistinguishable and were removed as an arbitrary spit 0.08m deep (1635 A, B) below this 1421 and 1422 were clearly distinguishable (see Fig. 24).

Fill: grey brown silt loam (1571 A, 1635 D).

Dateable finds: EIA pottery + LBA pottery and perforated clay slabs presumed residual.

Stratigraphic relationship: Cut by Roman drying kiln 1424 Roman ditch 1426.

Macleod Phase 1:3 Feature Descriptions

Pit M39 Grid LX400250. Section not drawn

Diameter 1.2m, Depth not recorded.

Sub-circular feature.

Fill: not described.

Dateable finds: EIA pottery, perforated clay slab presumed residual

Pit M47 Grid LX290240, Section not drawn

Length 1.6m, Width 0.2m, Depth not recorded

Elongated pit.

Fill: not described

Dateable finds: EIA pottery (Fig. 65.98-99)

Pit M56 Grid LX350210, Section Fig. 111

at Diameter 1.62m at stripped surface 2.05m at base. Depth from stripped surface 1.07m

Beehive shaped pit.

Fill: (3) Black and gritty with sherds charcoal and flints (4) lens of dirty brickearth (5) dirty clay (6) Black clay and gritty dust (7) dirty brickearth (8) as (6), (9) dirty yellow brickearth, (10) as (6) but with burnt clay fragments (11) yellow streaky brickearth

Dateable finds: EIA pottery, ?LBA pottery presumed residual

Pit M122 Grid LX876690, Section not drawn

Length 1.06m, Width 0.8m, Depth not recorded

Oval pit.

Fill: not described

Dateable finds: EIA pottery, ?LBA pottery presumed residual, bone weaving comb (Fig. 86.7)

Pit M123 Grid LX790580, Section not drawn

Length 1.8m, Width 0.8m, Depth not recorded

Figure of 8 shaped feature presumably two intercutting pits.

Fill: not described

Dateable finds: EIA pottery (Fig. 65.96-97) ?LBA pottery presumed residual

Pit M124 Grid LX760600, Section (Fig. 111)

Length 1.2, Width 0.6m, Depth 0.13m

Oval pit.

Fill: (1) dark grey-black sandy clay with frequent charcoal, (2) Compact orange brown clay with traces of charcoal, (3) as (2), (4) disturbed brickearth varying from grey brown to fawn brown with charcoal

Dateable finds: EIA pottery and two MIA sherds

Pit M125 Grid LX780520, Section (Fig. 111)

Diameter 0.53m, Depth 0.5m

Sub-circular pit.

Fill: not described

Dateable finds: EIA pottery, ?LBA pottery presumed residual

Pit M126 Grid LX734584, Section (Fig. 111)

Length 1.1m, Width 0.8m, Depth 0.6m

Oval pit.

Fill: not described

Dateable finds: EIA pottery (Fig. 65.81-92) biconical spindle whorl (Fig. 84.1), LBA pottery presumed residual

Pit M127 Grid LX770560, Section not drawn

Length 1m, Width 0.7m, Depth not recorded

Oval pit.

Fill: not described.

Dateable finds: EIA pottery, ?LBA pottery presumed residual

Pit M143 Grid LX650150, Section (Fig. 111)

Length 3m, Width 0.6-1.5m, Depth 0.3m

Oval pit.

Fill: (1) black with frequent pottery, bone, charcoal, flints, (2) dirty brickearth with pottery charcoal and small flints, (3) less dirt brickearth with bone and fragmentary pottery

Dateable finds: EIA pottery (Fig. 65.93-95), ?LBA pottery and one fragment of perforated clay slab presumed residual

Pit M146 Grid LX654508, Section not drawn

Length 1.6m, Width 0.9m, Depth not recorded

Oval pit.

Fill: not recorded

Dateable finds: EIA pottery + ?LBA pottery presumed residual

Pit M147 Grid LX 680520, Section not drawn

Length 1m, Width 0.8m, Depth not recorded

Oval pit.

Fill: not recorded

Dateable finds: EIA pottery (Fig. 68.131), ?LBA pottery presumed residual

Pit M152 Grid LX629460, Section (Fig. 111)

Length 1.2m, Width 0.9m, Depth 0.25m

Oval feature, ?Oven.

Fill: (1) Black with sherds, flint, charcoal and plentiful burnt clay. Fired clay pedestal 0.2m high in eastern half of pit.

Dateable finds: EIA pottery

Pit M154 Grid LX558456, Section (Fig. 111)

Length 2.4m, Width 1.1m, Depth 0.78m

Oval pit.

Fill: (1) with frequent clay, (2) Black soil with plentiful pottery, (3) disturbed brickearth

Dateable finds: EIA pottery with some ?LBA pottery presumed residual

Pit M155 Grid LX556644, Section not drawn

Length 1m, Width 0.65m, Depth not recorded

Oval pit.

Fill: not recorded

Dateable finds: EIA pottery ?LBA pottery presumed residual

Pit M156 Grid LX470400, Section (Fig. 111)

Length 1.1m, Width 0.8m, Depth 0.15m
Shallow oval pit with ?stake holes in base.
Fill: Black to grey loam with pottery, flint, charcoal and frequent fired clay
Dateable finds: EIA pottery

Pit M161 Grid LX646480, Section (Fig. 111)
Length 5.2m, Width 1.0m, Depth 0.05m
Very shallow elongated oval feature.
Fill: Dark grey clay
Dateable finds: EIA pottery

Pit M189 Grid LX162350, Section (Fig. 111)
Length 1.0m, Width 0.7m, Depth 0.43m
Oval pit.
Fill: (1) grey clay with frequent sherds, (2) Disturbed brickearth with some charcoal, no pottery
Dateable finds: EIA pottery + some LBA pottery presumed residual

Pit M245 Grid LX810720, Section (Fig. 113)
Length 0.8m, Width 0.5m, Depth 0.55m
Oval pit.
Fill: (1) Dirty sandy clay, (2) Yellow clay, (3) Dirty sandy clay
Dateable finds: EIA pottery

Pit M246 Grid LX828724, Section (Fig. 113)
Diameter 0.75m, Depth 0.40m
Sub-circular pit.
Fill: (1) Black soil with fired clay and pottery, (2) Disturbed clay with some charcoal
Dateable finds: EIA pottery

Pit M386 Grid LX410740, Section (Fig. 113)
Length 0.8m, Width 0.5m, Depth 0.33m
Sub-rectangular pit.
Fill: (1) Grey clay, with domestic refuse
Dateable finds: EIA pottery, 'Tournettes' (Fig. 84.14)

Pit M393 Grid LX574810, Section (Fig. 112)
Diameter 1.4m, Depth 0.35m
Sub-circular pit with posthole on western edge.
Fill: (1) grey to black with fragmentary domestic refuse.
Dateable finds: EIA pottery

Pit M395 Grid LX634776, Section (Fig. 113)
Diameter 0.78m, Depth 0.23m
Sub-circular pit.
Fill: (1) dark grey clay, (2) lighter grey clay
Dateable finds: EIA pottery

Pit M399 Grid LX460720, Section (Fig. 113)
Length 4.2m, Width 3.5m, Depth 0.83-1.2m
Sub-rectangular pit.
Fill: (1) grey clay with plentiful domestic refuse, (2) medium grey clay less domestic refuse, (2A) clean orange brown brickearth, (2B) pale grey and brown mottled brickearth, (2C) red-brown brickearth, (2D) medium brown brickearth, (3) slightly more grey brickearth with domestic refuse, (4) medium brown brickearth with some domestic refuse, (6) and (7) disturbed brickearth associated with 3" pipe
Dateable finds: EIA pottery (Fig. 66.100-116).?Earlier prehistoric pottery (Fig. 66.117-120) presumed residual.
Stratigraphic relationships: cuts, ?earlier feature comprising fill M299 (2b)-(4), cut by ?EIA ditch M392, and modern pipe M399 (6)-(7)

Pit M470 Grid LW950690, Section (Fig. 113)

Length 0.7m, Width 0.6m, Depth 0.25m

Sub-rectangular pit.

Fill: (1) very black soil, with burnt clay and burnt flints

Dateable finds: EIA pottery and MBA pottery (Fig 62.27) presumed residual

Pit M590 Grid LX260880, Section (Fig. 113)

Length 3.0m, Width unknown half destroyed before recording, Depth 1m

?Oval pit.

Fill: (1) Dirty fill with frequent pottery, (2) Sandy dirty fill, (3) dirty brown clay, (4) Burnt clay, (5) Compact brown clay, (6) Dark brown sticky clay, (7) light sandy clay, (8) charcoal and burnt clay

Dateable finds: EIA pottery

Pit M671 Grid LW580550, Section (Fig. 114)

Length 1.82m, Width 1.05-1.2m, Depth 0.23-0.48m

Oven or kiln. Fill not described but contained frequent fired clay and overfired pottery. Part of fired clay dome survived.

Dateable finds: EIA pottery. 'Tournettes' (Fig. 85.12, 13)

Pit M778 Grid LN600340, Section (Fig. 115)

Length 3.6m, Width 2.10m, Depth 1.31m

Large oval pit.

Fill: (1) Dirty brown clay with pottery, flint, burnt clay, (1A) Dirty streaky brickearth with pottery, charcoal, (2) Brickearth, (3) dirty brickearth, (4) darker brickearth, (4A) as (4) with burnt clay, (5) dirty brick- earth, (6) dark charcoal layer, (7) dirty brickearth with pottery and charcoal, (8) dirty brickearth, (9) dark charcoal layer, (10) dirty brickearth, (10A) as (1) but finer, (11) charcoal layer with burnt earth, (12) very dirty brickearth frequent bone and pottery, (13) dirty pale brickearth, (14) dirty brickearth, (15) darker dirty brickearth with pottery at base, (15A) darker fill, (16) dirty silt, (17) charcoal layer with pottery and bone

Dateable finds: EIA pottery, some LBA pottery presumed residual

Stratigraphic relationships: cut by otherwise undated ditch M957

Pit M1023 Grid LN100300, Section (Fig. 112)

Length 2.1m, Width 2m, Depth 0.85m

Sub-rectangular pit.

Fill: (1) very compacted dark fill with bone pottery and charcoal, (2) dark fill

Dateable finds: EIA pottery (Fig. 68.132)

Pit M1058 Grid LM900088, Section not drawn. Plan (Fig. 112)

Length 1.65m, Width 1.3m, Depth not recorded

Oven or kiln. Burnt clay walls, in situ pedestals plentiful overfired pottery

Dateable finds: EIA pottery (Fig. 67.130)

Gully M10 Grid LX600350, Section not drawn

Length 15m + full length unknown as feature extends beyond recorded area.

Width 0.3-0.5m, Depth 0.15m

Gully running north west-south east parallel to M11 and M13. Fill not described. No dating evidence, feature included in this phase as it appears to form part of a field system with other more securely dated EIA linear features.

Gully M11 Grid LX550350, Section not drawn

Length 8.9m, Width 0.2-0.3m, Depth not recorded

Length of gully running north-west to south-east parallel to M10 and M13

Fill: not described

Dateable finds: EIA pottery.

Ditch M13 Grid LX520-LW620924, Section (Fig. 107)

For details see phase 1:2

Gully M19 Grid LX280300, Section (Fig. 112)

Length 13m, Width 0.3-0.6m, Depth 0.23m

Gully beginning at M173 and running at right angles to M173 for 3m before turning sharply north east and running for a further 10m.

Fill: not described.

Stratigraphic relationships: relationship with M173 unclear

Ditch M50 Grid LX200230, Section (Fig. 112)

Length 22m, Width 0.7m, Depth 0.38m

Ditch running NW-SE parallel to M19, no butt ends shown on plan it seems probable that the ditch extended beyond the area available for recording. Its full extent is therefore unknown.

Fill: (1) grey clay with orange mottles

Dateable finds: EIA pottery and LBA pottery presumed residual

Ditch M67 Grid LW740040, Section (Fig. 112)

Length 31m, Width 0.9-1.2m, Depth 0.37-0.6m

Ditch running roughly east-west. No butt ends shown on plan it seems probable that the ditch extended beyond the area available for recording. Its full extent is therefore unknown.

Fill: (1) grey clay with bones and pottery

Dateable finds: EIA pottery, LBA pottery presumed residual

Ditch M91 Grid LW400020, Section (Fig. 112)

Length 9m, Width 0.43m, Depth 0.18m

Ditch running roughly east-west parallel to M67 and M95. No butt ends shown on plan it seems probable that the ditch extended beyond the area available for recording. Its full extent is therefore unknown.

Fill: not described

Dateable finds: LBA pottery + some EIA pottery

Stratigraphic relationship: ?cuts M97 this relationship does not appear on the drawn sections where M91 and M97 are running roughly parallel but is shown on Macleod's original plan

Ditch M95 Grid LW400010, Section (Fig. 112)

Length 12m, Width 1-1.15m, depth 0.23m

Ditch running roughly east-west parallel to M67 and M95. No butt ends shown on plan it seems probable that the ditch extended beyond the area available for recording. Its full extent is therefore unknown.

Fill: not described

Dateable finds: LBA or EIA pottery

Ditch M128 Grid LX700600, Section not drawn

Length 22m + Width 0.2-0.7m, Depth not recorded

Ditch running north east-south west. No butt ends shown on plan it seems probable that the ditch extended beyond the area available for recording. Its full extent is therefore unknown.

Fill: not described

Dateable finds: EIA pottery

Gully M162 Grid LX450510, Section (Fig. 112)

Length 28m, Width 0.8-1.0m, Depth 0.38m

Gully running parallel to M13 apparently blocking drove formed by M262 and M392. Apparently had an infant burial inserted into its northern butt end see M162a.

Fill: dark grey to black clay with burnt clay, bone and pottery

Dateable finds: EIA pottery + LBA pottery presumed residual

Stratigraphic relationships: cuts M22

Gully M173 Grid LX200560, Section (Fig. 116)

Length 54m, Width 0.2-0.5m, Depth 0.2m

Ditch running NW-SE for 20m parallel to M50 before turning sharply and running NE for 29m before turning back to run NW-SE for a further 10m.

Fill: grey clay

Dateable finds: LBA and EIA pottery

Stratigraphic relationships: cut by M13 relationship with M19 unclear

Gully M262 Grid LX560720, Section (Fig. 116)

Length 71m, Width 0.20-0.8m, Depth 0.2m

Gully running NE, SW for 50m, turns sharply south east at southern end and runs for a further 6m, turns sharply south east at northern end and runs for a further 15m. Northern arm is M375. Probably forms drove with M392.

Dateable finds: EIA pottery + some LBA pottery presumed residual

Stratigraphic relationships: cut by gully M162

Gully M287 Grid LX240590, Section (Fig. 116)

Length 20m, Width 0.30-0.50m, Depth 0.23-0.35m

Gully running parallel with M13 continues line of M162. Southern end turns slightly east forming an entrance with the similarly inturned end of M162.

Fill: grey clay

Dateable finds: ?EIA pottery + ?LBA pottery presumed residual

Gully M375 Grid LX700900, Section not drawn

Length 15m, Width 0.23-1.2m, Depth 0.20m

Northern arm of M262.

Fill: (1) dark grey, (2) lighter grey brown fill

Dateable finds: ?EIA pottery

Gully M392 Grid LX400595, Section (Fig. 116)

Length 55m, Width 0.2-0.6m, Depth 0.16m

Gully running NE, SW for 40m, turns sharply north west at southern end and runs for a further 5m. Probably forms drove with M262.

Fill: grey clay

Stratigraphic relationships: cuts EIA pit M399

Gully M481 Grid LX300550, Section not drawn

Length 27m, Width 0.1-0.5m, Depth not recorded

Gully running parallel to M13 slightly to the west of and parallel with M287 and M162.

Fill: not described

Gully M561 Grid LN774001, Section (Fig. 116)

Length 1m + width 0.3m, Depth 0.15m

Gully running roughly north-south no butt end shown at southern end it seems probable that the ditch extended beyond the area available for recording. Its full extent is therefore unknown.

Fill: grey clay

Dateable finds: EIA pottery

Gully M591 Grid LW960780, Section (Fig. 116)

Length 24m + Width 0.2-1m, Depth 0.18m

Ditch running parallel with M13 appears to be a continuation of M481, however its southern end was only sketchily planned and there is no clear relationship with M481.

Fill: grey clay

Dateable finds: EIA pottery + LBA pottery presumed residual

Gully M630 Grid LX170720, Section not drawn

Length 32m, Width 0.3-0.6m, Depth not recorded

Gully running NE from M287

Fill: not described

Gully M744 Grid LX100880, Sections (Fig. 116)

Length 25m, Width 0.2-0.5m, Depth 0.35m

Gully running NE-SW begins 6m north east of M591, no butt end marked at northern end, it seems likely that the ditch extended beyond the area available for recording. Its full extent is therefore unknown.

Fill: (1) Dark grey clay, (2) disturbed orange brickearth, (3) disturbed orange brickearth with domestic debris.

Stratigraphic relationships: cuts LBA pit M600

Gully M746 Grid LX020940, Section (Fig. 116)

Length 4.5m, Width 0.5m, Depth 0.2m

Gully running parallel to M744. No butt ends shown, it seems likely that the ditch extended beyond the area available for recording. Its full extent is therefore unknown.

Fill: (1) grey clay

Dateable finds: EIA pottery + LBA pottery presumed residual

Oval structure comprising Gully M931 and M932 Grid LX150150, Section not drawn, Plan (Fig. 116)

Length 10m, Width 9m. Width of gully M931 0.2-0.5m. Width of gully M932 0.15-0.3m, Depth not recorded. 6m wide west facing entrance.

Fill: not described.

M931 appears to cut M932 which was apparently a series of short lengths of gully rather than a continuous feature. The eastern part of M931 was destroyed prior to recording.

Dateable finds: EIA pottery

Gully M1001 Grid LN100124, Section and plan (Fig. 117)

Diameter of structure 8m, Width of gully 0.25-0.40m, Depth of gully 0.28m.

Apparently a sub-circular penannular gully south side destroyed before recording. 0.85m wide entrance facing north west

Dateable finds: EIA or LBA pottery

Gully M1009 Grid LN070300, Section not drawn

Length 7m, Width 0.4-0.9m, Depth not recorded

Short length of ditch running north from a butt end to join M1024. Relationship with M1024 uncertain see phase 1:2

Dateable finds: EIA pottery + LBA pottery presumed residual

Burial M162A Grid LN301580, Section (Fig. 117) Plan (Fig. 117)

Infant burial possibly disturbed, in butt end of EIA ditch M162

Burial M1063 Grid LM830110, Section not drawn, Plan (Fig. 117)

Contracted inhumation in pit. Considered by Macleod to belong to the Saxon cemetery but more likely to be Iron Age. The pit fill included a few EIA sherds

Elm Road feature 25

Burial in storage pit. Described by Macleod in a draft report on the Elm Road site as '... within a sub-rectangular pit 1.20 by 1.20m which contained evidence for charcoal/carbon and snail shells at the base. The bones had become disarticulated except for the bones of one arm found below feature 15 but apparently beyond the limit of the pit. Although some of the teeth from both upper and lower jaws were present the skull and mandible were absent from the grave.'

The pit contained three flint tempered body sherds, and was cut by a ditch, Elm Road feature 15 which included a Roman sherd in its fill.

Phase II.1 Feature Descriptions

Pit 1044 Grid LW 5093 Section Fig. 24, Location Fig. 23

Diameter 0.36m; Depth 0.12m

Shallow sub-circular feature.

Fill: Light grey brown silt loam (A).

Dateable finds: ?MIA pottery dating of the sherds from this feature is problematic, they could equally be from a MBA fine ware vessel (see p.00, Fig. 68.133). Therefore this feature may belong to Phase I.1.

Pit 1458 Grid DE 6052 Sections Fig. 24

Length 1.4m; Width 0.82m; Depth 0.14m

Oval pit.

Fill: grey brown silt loam (A).

Dateable finds: MIA sherds, triangular loomweight (Fig. 84.8)

Stratigraphic relationship: cut by LIA ditch 1459.

?Pit 1606 Grid DE 5730 Section not drawn

Length 0.6m+; Width 0.4m; Depth unknown

Part of feature, most of which lay beyond the excavated area. Not excavated.

Fill: grey brown silt loam described as it appeared on the trowelled surface.

Dateable finds: MIA pottery from surface (Fig. 68.138).

Ditch 1454 Grid DE 6552 Section Fig. 24

Length 4.5m+; Width 1.2m; Depth 0.52m

Ditch running roughly north-south. 1454 appeared on the machined surface to be a single wide ditch. However, excavation showed it to be two separate, parallel ditches: a Roman ditch (1560) and Iron Age ditch (1570). This was only apparent after the removal of an arbitrary spit 12 cm deep. Full extent unknown as the features continue beyond the excavated area at both ends.

Fill: Light grey brown silt loam (1570A), orange brown silt loam (1570B).

Dateable finds: MIA pottery (Fig. 68.141).

Ditch 1463 Grid DE 4646 Section Fig. 24

Length 4.6m+; width 0.5-1.06m; Depth 0.2-0.5m

Ditch running roughly north-south, full extent unknown as northern end extends beyond excavated area, probably same ditch as 1468 giving a total known length of 20 m. The southern end of 1463 is markedly wider and deeper, this may represent an original butt end of 1468, which was later recut as a shallower and longer ditch. The recut being represented by 1463 (A) possibly equivalent to 1468A.

Fill: grey brown silt loam (A) orange brown silt loam (B).

Dateable finds: MIA pottery.

Ditch 1468 Grid DE 4532 Section Fig. 24

length 10m+; Width 1.28m; Depth 0.5m

Ditch running roughly north-south, full extent unclear as northern end runs out of the excavated area, probably same ditch as 1463 giving a total length of 20 m. 1468 stops at east-west ditch 1469 but relationship is unclear.

Fill: Grey brown silt loam (A), probably represents an off centre shallow recut possibly equivalent to 1463A, grey brown silt loam with frequent pebbles (B), light grey brown silt loam (C).

Dateable finds: MIA pottery

Stratigraphical relationships: Cuts gully 1471 which is part of structure 1530.

Ditch 1546 Grid DE 3234 Section Fig. 24

Length 4m+; width 0.8-1.2m; Depth 0.2-0.3m

Curving ditch with slightly deeper butt end at north, full extent unknown as ditch extends beyond excavated area.

Fill: Uniform dark grey brown silt loam dug as three 10 cm spits A, B and C.

Dateable finds: MIA pottery (Figs. 68.136, 139, 140). Triangular loomweight (Fig. 84.10).

Ditch 1622 Grid DE 4815 Section Fig. 24

Length 13.5m?; Width 2.6m; Depth 0.9m

Deep flat bottomed ditch running roughly east-west, the feature was very unclear on the trowelled surface and appeared to come to butt ends at DE 430136 in the west and DE 560 186 in the east. However, neither terminal was particularly distinct, and neither was excavated so the full extent of 1622 is uncertain. A single segment 1638 was excavated at about the centre of 1622. The upper edge of the southern side was hard to define so 1638 was extended to the south as a box section, which revealed that 1622 had been cut by the Roman ditch 1603 (below).

Fill: Fill as revealed in segment 1638: Grey brown silt loam with frequent pebbles (A) equivalent to 1625 completely seals B; grey brown silt loam (B); orange brown silt loam (C); grey brown silt loam with frequent pebbles (E); light grey brown silt loam (J); light grey brown silt loam (K); dark grey silt loam (L). Fills K and L are fills of 1603 as revealed in the box section extension of 1638 cut to determine the relationship between 1622 and 1603.

Dateable finds: Belgic pottery from upper fills B and C, MIA pottery from primary silt E. It is assumed that 1622 was dug during phase 2.I but most of the fill accumulated during phase 2.II.

Stratigraphic relationships: Cut by Roman ditch 1603.

Structure 1530 Grid DE 4239 Plan Fig. 26, Section Fig. 24

Diameter ?8m

Apparent circular building formed by discontinuous gully 1471, full extent uncertain as the gully appears to extend beyond the excavated

area. 1471 consists of four short lengths each 0.3m wide and 0.1-0.2m deep.

Fill: orange brown silty clay loam. There were no postholes associated with 1530.

Stratigraphic relationships: Cut by ditch 1643. The southern extension of Belgic ditch 1464, runs through what would have been the interior of structure 1530.

Burial 1505 Grid 3953 Section Fig. 24

Length 0.46m; Width 0.36m; Depth 0.13m

Small oval pit, situated about 1.5m to the south east of structure 1530. The pit contained an inverted human skull with the base of a pot touching the skull. Both the pot and the skull had been severely plough damaged.

Fill: grey brown silt loam.

Dateable finds: MIA pottery (Fig. 68.137)

Phase II.2 - c.50 BC-AD 50

Pit 1455 Grid DE 6253 Section Fig. 29

Length 1.4m; Width 0.65m; Depth 0.32m

Oval flat bottomed feature with possible later feature cut into east side.

Fill: Dark grey brown silt loam (A) possible later feature; orange brown silt clay (B); orange brown clay (C).

Dateable finds: Belgic pottery from (B) and Roman pottery from (A).

Pit 1457 Grid DE 6060 Section Fig. 29

Length 1.5m; Width 1.4m; Depth 0.5m

Elongated pit, flat based steep sided on east sloping sided on west.

Fill: orange brown silt loam (A); orange brown silt clay (B).

Dateable finds: Belgic pottery.

Pit 1483 Grid DE 3742 Section Fig. 29

Diameter 1.25m; depth 0.45m

Sub-circular steep sided flat based pit.

Fill: orange brown silt loam.

Dateable finds: Belgic pottery.

Pit 1620 Grid DE 5429 Section Fig. 29

Diameter 1.8m; depth 0.7m

Sub-circular pit. Flat based, steep sided on the south, stepped profile on the north.

Fill: Dark grey brown silt loam with frequent charcoal on the north side (A); light grey brown silt loam (B); light grey brown silt loam, frequent pebbles (C); orange brown silt loam, frequent pebbles (D).

Dateable finds: Belgic pottery.

Gully 1212 Grid LW 3568 Section Fig. 29

Length 2.3m; width 0.15-0.2m; Depth 0.1m

Short length of narrow shallow gully, running roughly north-south, with M902, 1234, 1332, forms part of a rectilinear enclosure around cremation 1232.

Fill: Grey brown silt loam (A).

Gully 1234 Grid LW 3188 Section Fig. 29

Length 4m; Width 0.2m; Depth 0.9m

Short length of narrow shallow gully running roughly east-west, eastern butt end (1211) protrudes beyond 1197, western butt end ill defined and not excavated. With M902, 1212 and 1332 forms part of a rectilinear enclosure around cremation 1232.

Fill: Grey brown silt loam (A).

Stratigraphic relationships: cut by Roman ditch 1197

Gully 1332 Grid LW 3395 Section Fig. 29

Length 6m; Width 0.3m; Depth 0.38m

Narrow shallow gully running roughly east-west. Butt ends ill defined and not excavated. With M902, 1212, 1234 forms part of a rectilinear enclosure around cremation 1232.

Fill: Grey brown silt loam (A), orange brown silt loam (B).

Stratigraphic relationships: cut by Roman ditch 1197.

Ditch 1421 Grid LV 3172 Section Fig. 24

Length 24.5m+; Width 0.4-1.75m; Depth 0.36-0.5m

Ditch running roughly north south full extent unknown as both ends extended beyond the excavated area. The ditch appeared to merge with 1422 at the northern end. During excavation of a segment (1635) at this apparent junction the upper fills were indistinguishable and were removed in an arbitrary spit 0.08 m deep (1635A, B). Below this 1421 and 1422 were clearly distinguishable (see Fig. 24).

Fill: grey brown silt loam (1635 C)

Dateable finds: Belgic pottery (Fig. 71.1 and 5)

Stratigraphic relationships: Cut by Roman ditch 1426

Ditch 1411 Grid LV 6186 Section not drawn

Length 7.4m; width 1.2m; depth not known

Ditch running north south, full length unknown as both ends extend beyond the excavated area. Not excavated.

Fill: Grey brown silt loam, described as it appeared on the trowelled surface.

Dateable finds: Belgic pottery from surface cleaning (Fig. 71.4)

Ditch 1459 Grid DE 5951 Section not drawn

Length 5m+; Width 0.7m; Depth not known

Ditch running roughly north south, full length not known as both ends extend beyond the excavated area. Assumed to be a continuation of 1607 although separated by 18m of unexcavated ground. Not excavated.

Fill: Grey brown silt loam described as it appeared on the trowelled surface.

Dateable finds: ?Belgic pottery from surface.

Gully 1464 Grid DE 4346 Section Fig. 29

Length 10.6m+; Width 0.3-0.4m; Depth 0.2m

Narrow shallow gully running north south. Forms part of a small enclosure or compound with 1465 and 1466. Full length unknown, northern end extends beyond excavated area; southern end not marked by a clear butt end but appears to peter out at DE 426872.

Fill: Dark grey brown silt loam (A); orange brown silt loam (B)

Dateable finds: IA pottery

Gully 1465 Grid DE 4044 Section Fig. 29

Length 4.8m; Width 0.3-0.4m; Depth 0.44m

Narrow shallow steep sided gully running east west between 1466 and 1464, forming part of a small enclosure or compound.

Fill: Light grey brown silt loam (A); orange brown silt loam (B).

Dateable finds: IA pottery

Gully 1466 Grid 3745 Section Fig. 29

Length 2.4m+; Width 2.5m; Depth 0.2-0.4m

Narrow shallow gully running north south, from 1465. Forms part of a small enclosure or compound with 1464 and 1465. Full length unknown as the feature extends beyond the edge of the excavated area to the north.

Fill: Dark grey brown silt loam (A); orange brown silt loam (B).

Dateable finds: IA pottery and Belgic pottery (Fig. 71.3)

Ditch 1467 Grid DE 3442 Section Fig. 29

Length 1.5m+; Width 0.4-0.8m, Depth 0.3-0.35m

Ditch running north south. Full length unknown as the northern end extends beyond the excavated area. 1467 runs into 1469 cutting fill 1469P, but stopping at 1469(O).

Fill: Grey brown silt loam.

Dateable finds: Belgic pottery.

Ditch 1469 Grid DE 3628 Section Fig. 29

Length 27m +; Width 1.2-4.2m, Depth 0.65-1m

Large ditch running east west full length unknown as both ends extend beyond the excavated area. Excavated segments 1525, 1617, 1641. To the west in segment 1525, the ditch appeared as a single feature, although with a stepped profile possibly indicating a recut. To the east the ditch split into two features at DE 524282, the northern part (1617) coming to a butt end at DE 538294, the southern (1641) continuing east beyond the excavated area. Segment 1525 was dug in arbitrary spits A-G. The actual layers (I-Q) were then recorded and drawn as they appeared in the section 1525.

Fills: grey brown silt loam, frequent pebbles (I); grey brown silt loam (J); grey brown silt loam, frequent pebbles (K); orange brown sandy silt loam, very frequent pebble (L); light grey silt loam (M); dark grey brown, silt loam (N); dark grey brown silt loam, with frequent pottery (O); light grey brown silt loam (P); orange brown sandy silt loam (Q).

Fill of 1617: grey brown silt loam (A); grey brown silt loam frequent pebbles (B); orange brown silt loam (C).

Fill of 1641: dark grey brown silt loam (A); orange brown silt loam (B); grey brown silt loam (C); this layer appears to be a small pit of uncertain date which cuts both 1641 and 1617; light grey brown silt loam (D); orange brown silt loam (E); light grey brown silt loam with frequent pebbles.

Dateable finds: Belgic pottery (Figs 71.2, 6 and 7). Triangular loomweight (Fig. 84.9).

Stratigraphic relationships: Cut by Roman gully 1609; butt end 1617 cut by Roman pit 1610 cuts LIA pit 1620. LIA ditch 1607 and MIA ditch 1468 stop at 1469 whilst LIA ditch 1467 was cut through 1525P but stopped at 1525(O).

Gully 1473 Grid DE 2264 Section Fig. 29

Length 0.64m, width 0.2-0.3m, Depth 0.1-0.15m

Narrow shallow steep sided flat bottomed gully running north south parallel to and for much of its length abutting but not cutting ditch 1421. Fill: dark grey brown silt loam (A) containing numerous fragments of what appeared to be metal working debris but proved on analysis to be very highly fired brickearth (see p.00).

Dateable finds: Belgic pottery.

Ditch 1607 Grid DE 5630 Section Fig. 29

Length 3.5m +; Width: 0.5m; Depth 0.2-0.4m

Shallow flat bottomed ditch running roughly north south. Stops at 1469. Full extent unknown as it extends beyond the excavated area. May be the same as 1459 although separated from it by 18m of unexcavated ground.

Dateable finds: Belgic pottery.

Macleod Phase II.2 Feature Descriptions**Ditch M731 Grid LW2142, Section not drawn**

Length 8m + width 0.4m, Depth not known

Sinuuous ditch running roughly north south, full length unknown as no terminals were recorded.

Fill: not described

Dateable finds: Belgic pottery (Fig. 71.10) + residual earlier pottery

Ditch M736 Grid LW150480, Section not drawn

Length 5m + Width 0.6m, Depth not known

Ditch running roughly north south, full length unknown as no terminals were recorded.

Fill: not described

Dateable finds: Belgic pottery (Fig 71.11, 12) + residual earlier pottery and Roman pottery

In view of the presence of Roman pottery (unphased) this feature may well belong to Period III or have remained in use into Period III

Phase III.1 - c. AD 43-300 Feature Descriptions**Pit 1404 Grid LV 8892 Section Fig. 34**

Length 1.6m; Width 1m; Depth 0.76m

Oval pit, the steep sides are slightly undercut towards the irregular base, there was some indication of a fired lining on the sides and base. On the trowelled surface the feature appeared to be much wider, excavation showed 1404 had been cut through a shallow depression (1404C) which extended 1.2m from the west edge of 1404.

Fill: grey brown silt clay (A); brown slightly fired brickearth lining (B); grey brown silt clay (C); orange brown silt clay (D); light orange brown silt clay (E).

Dateable finds: Roman pottery

Ditch 1413 Grid LV 4884 (Segment 1645) Section Fig. 34

Length 7.3m+; Width 1.2m; Depth 0.1-0.22m

North south ditch, has two narrow roughly V-shaped channels on east and west sides, separated by a wider shallower ?recut. This may indicate at least three successive recuts of a small ditch on roughly the same line. Full extent unknown as the feature extend beyond the excavated area to both north and south. The ditch may have remained open throughout phase III.1 and III.2.

Fill: grey brown silt clay (A); orange brown silt clay (B); grey brown silt (C); grey brown silt clay (D).

Dateable finds: Roman pottery

Ditch 1405 Grid LV 8294 (Segment 1642) Section Fig. 34

Length 7m+; Width 1.7m; Depth 0.33m

North south ditch, flat based. Stepped profile may indicate a number of recuts. Full extent unknown as the feature extends beyond the excavated area to both north and south. The ditch may have remained in use throughout phase III.1 and III.2.

Fill: grey brown silt clay (A); dark grey brown silt clay (B); dark grey brown silt clay, frequent charcoal (C); light orange brown silt clay (D); grey brown silt clay, frequent oyster shell (E), (F) as (E) but fewer oyster; orange brown silt clay frequent oyster (G); orange brown silt clay (H).

Dateable finds: Roman pottery (Fig. 72.9)

Ditch 1193 Grid LW 300700 Section Fig. 34

Length 36m+; Width 0.35-1m; Depth 0.1-0.2m

North south V-shaped ditch. Full extent unknown, northern end could not be traced into grid square LM. The southern end extended beyond the excavated area, however the ditch appears to continue the line of a Roman ditch recorded by Macleod M969. Assuming this ditch to be the same as 1193 the total known length would be 73m+. 1193 respects the line of the supposed enclosure around the central Late Iron Age cremation burial 1232. The fill was homogenous in each of the excavated segments. Cut by 1218.

Fill: grey brown silt loam (A)

Dateable finds: Roman pottery (Fig. 72.2-3)

Ditch 1454/1560 Grid DE 6552 Section Fig. 24

Length 4.8m+; Width 0.5m; Depth 0.26m

North south ditch V-shaped runs parallel to MIA ditch 1570, full extent unknown as it extends beyond the excavated area to both north and south. 1454 appeared on the machined surface to be a single wide ditch. However, excavation showed it to be two separate, parallel ditches; Roman ditch 1560, and Iron Age ditch 1570. This was only apparent after the removal of an arbitrary spit 12cm deep.

Fill: grey brown silt loam (A); grey brown silt loam (B)

Dateable finds: Roman pottery see page 00

Ditch 1197 Grid LW 310780 Section Fig. 34

Length 38m+; Width 1.6-1.3m; Depth 0.8-0.9m

Ditch running north south parallel to 1193. U-profiled full extent unknown as the ditch extends beyond the excavated area to the south, however the ditch appears to continue the line of a Roman ditch recorded by Macleod M543. Assuming this ditch to be the same as 1197 the total known length would be 76 m+. At the north end 1197 is cut by the phase III.2 ditch 1230, and does not appear to continue beyond it. However ditch 1369 runs north west from ditch 1230 and may in fact be a continuation of 1197 which may have turned north west at about the point it was cut by 1230. The homogenous fill of the ditch was excavated as a series of arbitrary spits; subsequent examination of the section revealed two layers.

Fill: Grey brown silt loam 1240 (H); Light grey loam silt loam 1240 (G); Grey brown silt loam 1326 (E); light grey brown silt loam 1327 (F).

Dateable finds: Roman pottery (Fig. 72.4-8,19).

Gully 1354 Grid LW 2298 Section Fig. 34

Length 5.5m+; Width 0.25-0.3m; Depth 0.9-0.15m

Shallow, narrow steep sided gully running east west into 1227. No clear butt end was observed at the west end.

Fill: grey brown silt loam with frequent oyster (A)

Dateable finds: Roman pottery

Ditch 1369 Grid LW 3209 Section Fig. 34

Length 10m+; Width 2m; Depth 0.62m

Ditch running north west south east. Cut by 1230. May represent a continuation of 1197 which may have turned north west at the point it was cut by 1230. Full length unknown as the ditch extends beyond the excavated area. The homogenous fill was excavated as a series of arbitrary spits, subsequent examination of the section revealed three layers.

Fill: grey brown silt loam (F); light grey brown silt loam (G); orange brown silt loam (H).

Dateable finds: Roman pottery

Ditch 1431 Grid LV 0467 Section Fig. 34

Length 6m+; Width 4m; Depth 0.5-0.9m

Ditch running north south full extent unknown as it extends beyond the excavated area to both north and south. On the trowelled surface the ditch appeared to be a single wide feature, however excavation indicated that the considerable width was probably the result of multiple recuts. The upper 0.2m of fill were dug as a series of arbitrary shallow spits, below this the various fills could be distinguished and excavated separately. The feature appeared to consist of an original wide ditch (fills S, T, R, Q), which judging from its irregular stepped base may have been recut/cleaned out a number of times, this was succeeded by a large U-shaped recut (fill P) which was itself succeeded by a narrow much shallower ditch (fills M, N, O).

Fill: Grey brown silt loam (M); grey brown silt loam (N); grey brown silt loam (O); grey brown silt loam (P); light grey brown silt loam (Q); orange brown silt loam (R); light grey brown silt loam (S); light grey brown silt loam (T); 1431 was cut by a narrower shallow undated gully 1430.

Dateable finds: Roman pottery (Fig. 72.12,20)

Ditch 1461 Grid DE 5248 Section not drawn

Length 4.4m+; Width 1.6m; Depth unknown

North south ditch full extent unknown as both ends extend beyond the excavated area, unexcavated.

Fill: Grey brown silt loam described as it appeared on the trowelled surface.

Dateable finds: Roman pottery (Fig. 72.21)

Ditch 1462 Grid DE 4747 Section Fig. 34

Length 4m+; Width 0.36m; Depth 0.11m

North-south ditch full extent unknown as it extended beyond the excavated area to north and south, on same alignment as 1609. Stepped profile may indicate recutting although no difference was discernable in the fill.

Fill: grey brown silt loam.

Dateable finds: Roman pottery

Pit 1643 Grid LV 9089 Section Fig. 34

Length 1.64m; Width 0.92m; depth 0.1m

Shallow oval flat based pit.

Fill: orange brown silt clay (A)

Dateable finds: Roman pottery

Phase III.2 AD.300-410 Feature Descriptions**Pit 1390 Grid LM 0804 Section Fig. 34**

Length 1.65m; Width 1.3m; Depth 0.25-0.3m

Oval pit.

Fill: dark grey brown silt loam (A); light orange brown silt clay (B); orange brown silt clay (C).

Dateable finds: Roman pottery

Pit 1610 Grid DE 5329 Section Fig. 34

Length 1.8m; Width .1m; Depth 0.2-0.3m

Oval pit.

Fill: Dark grey brown silt loam, frequent pottery and oyster (A). Cuts LIA ditch 1617.

Dateable finds: Roman pottery (Figs 72.24 and 73.36)

Ditch 1227 Grid LW 2596 Section Fig. 34

Length 36m+; Width 2-2.2m; Depth 1m

North south ditch may form part of a rectilinear enclosure with 1015, a final deep U-shaped recut almost reached the bottom of the original ditch, after a period of natural silting (layer C), this recut was backfilled with a series of dumps of domestic rubbish including large quantities of oyster (layer B), the final silting (layer A) may have been largely natural.

Fill: grey brown silt loam (A); grey brown silt loam with levels of oyster shell (B); Grey brown silt loam (C); Orange brown silt loam (D).
Dateable finds: Roman pottery (Figs 72.25-30; 73.31-35,37)

Ditch 1230 Grid LM 3406 (Segment 1345) Section Fig. 29

Length 34m; Width 1.8m; Depth 0.35-0.75m

East-west ditch forming enclosure with ditches 1015 and 1227. After initial cleaning the fill appeared uniform and the top 0.08-0.12m was excavated as an arbitrary spit (1345A). After removal of this spit, a central dark area (1345B) was revealed and excavation showed this to be part of a steep-sided flat-based slot, cut through the fill of an earlier shallow flat-bottomed ditch. The lowest fill (1345E) of this slot contained the lower jaws of a horse, above which (1345D) was the skull and horn of a cow.

Fill: Dark orange brown silt loam (A); dark brown silt loam with frequent oyster shell (B); orange brown silt clay (C); grey brown silt loam (D); yellow brown silt loam (E).

Dateable finds: Roman pottery

Ditch 1417 Grid LV 3479 Section Fig. 34

Length 6.8m; Width 2.4m; Depth 0.65m

North-south ditch full extent unknown as it extends beyond the excavated area to both north and south. Stepped profile might indicate recutting.

Fill: dark grey brown silt clay (A); bottom half of the layer dug as arbitrary spit (B); dark grey brown silt clay (C); grey brown silt clay (D); orange brown silt clay (E); grey brown silt clay (F); orange brown silt clay (G).

Dateable finds: Roman pottery

Ditch 1603 Grid DE 4410 Section Fig. 34

Length 28m+; Width 1.2-1.9m; Depth 0.4 - 0.5m

East west ditch, full extent unknown as it extends beyond the excavated area to both east and west. After removal of an arbitrary spit 0.2m deep (A) the fills could be clearly disclosed and excavated as layers.

Fill: Grey brown silt loam (B); light grey brown silt loam (C); orange brown silt loam (D).

Dateable finds: Roman pottery

Ditch 1015 Grid LW 5181 Section Fig. 34 (Plate IX)

Length 27m+; Width 0.75-1m; Depth 0.2-0.3m

East ditch of possible rectangular enclosure, runs north-west to south-east turns north east at LW 5593 to run further 32m as ditch 1230. Extends beyond the excavated area to the south, but may link with M680 an unexcavated feature, which may form the south east corner of the supposed enclosure. 1015 has a clear step on the western side for most of its length probably indicating a recut. Cut MBA gully 1081.

Fill: light grey brown silt loam with frequent oyster (1049A); light grey brown silt loam (1049B); grey loam silt loam with frequent oyster (1050A); light grey brown silt loam (1050B).

Dateable finds: Roman pottery Fig. 73.54, Glass Fig. 58.1

Ditch 1402 Grid LV 9596 Fig. 34

Length 6m+; Extends beyond excavated area to both north and south, Width 8.3m.

Depth 0.1-0.8m.

On the trowelled surface this feature appeared as a single wide ditch. However, the excavated segment (1596) revealed a number of features. After removal of the upper layers A and B several features were revealed. To west a steep sided slot (H,I) perhaps a palisade trench or beam slot was associated with a shallow ditch like feature (C). To the east were multiple recuts of another ditch (D,F,G and E). This complex group of features could not be fully elucidated in the narrow segment excavated and time did not allow more extensive investigation.

Fill: Very dark brown silt loam (A); dark brown silt clay (B); light yellow brown silt clay (C); medium orange brown silt clay (D);

Dateable finds: Roman pottery and tile.

Ditch 1437 Grid LV 3727 (Seg. 1562) Section Fig. 34

Length 4.5m; Width 3.25m; Depth 0.6-0.89m

East west ditch full extent unknown as it extended beyond the excavated area to both east and west. A late recut (1562A) was excavated as one layer however the rest of the fill was largely homogenous and was excavated as a series of arbitrary spits the actual layers were recorded and described as they appeared in the section. The recut 1562 A contained a number of early Saxon sherds (page 00) and is likely to be early Saxon or late Roman.

Fill: Grey brown silt loam (A); dark orange brown silt loam (J); dark grey brown silt clay (K); orange brown silt clay (L); dark grey brown silt loam (N); grey brown silt loam (O); dark grey brown silt loam (P); light orange brown silt loam (Q); orange brown silt loam (R).
Dateable finds: Roman pottery, Saxon pottery (see Fig 74.1)

Ditch 1448 Grid DE 7556 Section not drawn

Length 1m; Width 0.6-0.8m; Depth 0.34m

Shallow narrow north-south ditch; full extent unknown as it extends beyond the excavated area to both north and south.

Fill: orange brown silt clay (L).

Dateable finds: Roman pottery

Ditch 1470 Grid DE 3325 Section Fig. 34

Length 26m +; Width 1-2m; depth 0.8-1m

East west ditch, full extent unknown as it extends beyond the excavated area to both east and west, however 1602 probably represents a continuation of 1470 which would give a total known length for 1470 of 38m +. Segment 1637 showed this ditch to have been substantially recut; the line of the recut could be traced for 17.5m west of segment 1637. Only the recut appeared in segment 1548, the earlier ditch had either been completely removed or did not continue so far west. The ditch was partly excavated in spits; the true layers were observed and recorded in the section.

Fill: grey brown silt loam (1548E); light grey brown silt loam (1548F); grey sandy silt loam with mussel shell (1548G); grey brown sandy silt loam (1548H); dark grey brown silt loam (1637H); light grey brown silt loam (1637I); orange brown silt loam (1637J); light grey brown silt loam (1637K); grey brown silt loam (1637L); orange brown sandy silt loam (1637M); grey brown silt loam (1637N); light grey brown silt loam (1637O).

Dateable finds: Roman pottery Fig. 72.1; 73.50-53,56

Period III unphased Feature Descriptions

A trackway running north-west to south-east in grid MG, is shown on the general plan of Roman features (Fig 25). The ditches of this trackway, cut Bronze Age features and produced a few abraded Roman sherds. Whilst this feature may be of Roman date, it may be later and seems to run at variance to the general alignment of the Roman field system.

?Corn dryer 1424 Grid LV 1961 Fig 35

Length 3.3m, Width 0.4-0.7m, Depth 0.1-0.45m

Elongated feature, flue sloping west to east to slightly expanded chamber. Sides of feature fired red to a depth of 0.1-0.15m. Part of floor fired black.

Fill: Grey brown to dark grey brown silt loam with charcoal flecks.

Dateable finds: Complete tile used in lining.

Stratigraphic relationship: Cuts 1422

Period V Feature Descriptions

Ditch 0390 (Fig. 41 Plate XI)

Enclosure ditch. For details see selected excavated segments listed below.

0303 Seg. of 0300 Grid DZ 8780 Fig 41,42 Section Fig. 45

Width of ditch 3.12m; Depth 0.8m.

U shaped flat based ditch with central U shaped recut (fills A and B).

Fill: Light orange brown sandy silt loam (A); light orange brown sandy silt loam, occasional pebbles, frequent pottery (B); orange brown sandy silt loam (C); grey green sandy silt loam (D).

Dateable finds: 13th C Pottery from fills B and D.

0304 Seg. of 0300 Grid Ref. DZ 7374 Fig. 41,42 Section Fig. 45

Width of ditch 2.5m + (North side partly removed by later feature 0348);

Depth 1m.

U shaped flat based ditch, with central U shaped recut (fills A, C and J).

Fill: Dark grey silt clay with occasional pebbles, frequent pottery, shell and bone, fill of recut (A); light grey brown sandy silt loam, frequent pebbles (B); light grey brown silt loam (C); light grey brown sandy silt loam (F); grey brown sandy silt loam (G); orange brown sandy silt loam (H); grey brown silt loam (J).

Dateable finds: 13th C pottery from fill A of recut: ?12th C pottery from primary silt E.

Stratigraphic relationship: cut by pit 0348. This feature, a near vertical sided flat based pit (Fig. 40), contained no dating evidence. However, it seems likely to be of recent date. It could be traced from immediately below the topsoil and had removed a line of stones which marked the topsoil/subsoil interface and extended right across 0300 in this segment.

0307 Seg. of ditch 0300 Grid Ref. MF 1187 Fig. 41 Section Fig. 45

Width of ditch 3.6m Depth 1.11m.

U shaped flat based ditch with slot at base of west side.

Fill: Light grey brown silt loam (A); Light grey brown sandy silt loam, frequent pebbles (A); Light grey brown silt (C). The fill (C) of the slot on the east side is entirely sealed by B which might represent bank material slumped into the ditch.

Dateable finds: ? Early medieval body sherds from fills A and B.

0309 Seg. of ditch 0300 Grid Ref. MF 1522 Fig. 41 Section Fig. 45

Width of ditch 4.25m; Depth 1m.

Flat based ditch steep sided on east side sloping on west, slot at base of west side (fill F). Wide shallow flat based recut (fill A).

Fill: Grey brown silt loam (A); light grey brown silt loam (B); light grey brown sandy silt loam (C) orange brown sandy silt loam, frequent pebbles (D); light grey brown silt clay (E); light orange brown sandy silt loam (F).

Dateable finds: ?Early Medieval pottery from fills A and B.

0345 Seg. of ditch 0300 Grid Ref. DZ 5873 Fig. 41,42,44 Section Fig 45

Width of ditch 3.15m; Depth 0.9m.

U shaped flat based ditch with flat based U shaped recut (fills A - C).

Fill: Light brown sandy silt loam (A); upper part of layer dark grey silt loam with frequent ash, lower part purely ash with small orange brown silt loam layers between the two (B); grey green silt (C); light brown sandy silt loam (D); light orange brown silt (E); light orange brown sandy silt loam (F); light brown silt loam (G); light grey brown, sandy silt loam, frequent pebbles (H); grey green sandy silt loam (I); grey green sandy silt clay (J).

Dateable finds: 12th-13th C pottery from fills A and B.

Ditch 0007 = 0019, 0483 Grid DZ. 2186 Fig. 46 Section Fig. 50

Length 30m +; Width 0.5-0.7m; Depth 0.1-0.25m

Narrow shallow ditch runs west from beneath north wall of North Shoebury Hall, overlain by layer 0051. A box section cut through 0051 revealed 0007 had turned sharply south, a further box section cut to the south revealed no signs of the feature (Fig. 40) indicating the ditch terminated before reaching the edge of the stripped area.

Fill: grey brown silt loam at eastern end, grey green silt at western end.

Dateable finds: 11th-12th C pottery.

Stratigraphic relationship: Beneath north wall of North Shoebury Hall and 0051, cut by 0033, cuts 0014, 0038, 0059 relationship with 0034 uncertain.

Ditch 0014 Grid DZ 1988 Fig. 46 Section Fig. 50

Length 6.4m; Width 0.88m; Depth 0.6-0.8m

Linear feature runs north-south, steep sided flat based.

Fill: Orange brown silt loam (A) orange brown silt loam (B)

Dateable finds: 12th C or earlier pottery.

Stratigraphic relationships: Cuts 0007.

Ditch 0034 Grid DZ 1683 Fig. 46 Section Fig. 50

Length 15m; Width 0.4m; Depth 0.7m

U-profiled ditch running north south. Full length unknown as extends beyond excavated area to both north and south. Full width unknown as east side has been removed by 0033. The ditch produced pottery of the 14th and 15th centuries but the feature was cut by 0007 and 0052 which appear to be of the 11th or 12th century and 13th century date respectively. As the excavated segment of 0034 lay to the south of 0007 and 0052, it may be that the southern part of 0033 remained open or was recut in the 14th/15th century. A V shaped fill (0034A) recorded in the south section of 0034 indicates that at least one substantial post was driven into the largely silted up ditch.

Fill: grey brown silt loam (A), grey brokwn sandy silt loam
Dateable finds: 14th and 15th C pottery.
Stratigraphic relationships: Cut by 0007, 0049, 0052, 0033; sealed by 0032.

Ditch 0038 Grid DZ 1689 Fig. 46 Section Fig. 50

Length 2.5m; Width 0.4m; Depth 0.1 - 0.17m

Linear feature shallow sloping sided flat based mostly removed by 0024 a similar profiled ditch cut along the same line as 0038. Runs north south.

Fill: grey brown silt loam (A).

Dateable finds: 12th C pottery.

Stratigraphic relationships: cut by 0024.

Ditch 0052 Grid DZ 115730 Fig. 46 Section Figs 50 and 53

Length 16m; Width 0.4-0.7m; Depth 0.1-0.2m.

Narrow shallow ditch recut of 0007. Runs east - west parallel to and cutting 0007, before turning south parallel to, and 4.5m from, the north-south stretch of 0007. Full length unknown as extends beyond edge of excavation to south.

Fill: Light grey brown silt loam.

Dateable finds: 13th C pottery.

Stratigraphic relationships: Cuts 0002, 0034 cut by 0033

Posthole 0059 Grid DZ 1384 Fig. 46 Section Fig. 50

Small oval feature, steep sided flat based.

Fill: Orange brown silt loam.

Dateable finds: 13th C pottery.

Stratigraphic relationships: Cuts 0007/0019

Pit 0075 Grid DZ 3185 Fig. 46 Section Fig. 50

Length 0.6m; Width 0.35m; Depth 0.28m.

Steep sided flat based pit, full width unknown as north side removed by south wall of North Shoebury Hall.

Fill: Light grey brown silt loam (A); Dark grey brown silt loam with frequent tile (B).

Dateable finds: late 12th C pottery.

Stratigraphic relationships: cut by wall of North Shoebury Hall.

?Beam slot 0077 Grid DZ 300826 Fig. 46 Section Fig. 50

Length 1.14m; Width 0.4m; Depth 0.34m.

Sub rectangular steep sided flat based feature running along top of 0416 on east side.

Fill: Light grey brown silt loam (A); Grey brown silt loam (B).

Dateable finds: 13th C pottery.

Stratigraphic relationships: Cuts 0416.

Pit 0083 Grid DZ 328838 Fig. 46 Section Fig. 50

Length 1.128m; Width 0.74m; Depth 0.64m

Shallow sloping sided oval pit.

Fill: Dark grey brown silt loam.

Dateable finds: 13th C pottery.

?Posthole 0085 Grid DZ 319830 Fig. 46 Section Fig. 50

Diameter 0.22m; Depth 0.06m.

Very shallow sub-circular feature.

Fill: Dark grey brown silt loam.

Dateable finds: 11th/12th C pottery.

Stratigraphic relationships: Cuts 0459.

Pit or posthole 0086 Grid DZ 3380 Fig. 46 Section Fig. 50

Length 1.25m; Width 0.6m; Depth 0.4m.

Oval steep sided flat based feature.

Fill: Dark brown silt loam (A); orange brown sandy loam (B);
Dateable finds: Early medieval pottery.
Stratigraphic relationship: Cuts 0465.

Pit 0088 Grid DZ 3684 Fig. 46 Section Fig. 50

Length 1.48m; Width 1.1m; Depth 0.2m

Irregular oval, flat based sloping sided feature.

Fill: Black silt loam, with frequent oyster shell (A); Orange brown silt loam (B); light orange brown silt loam (C).

Dateable finds: 13th C pottery.

Stratigraphic Relationships: Cuts 0457 (undated feature).

Ditch 0100 Grid DP 8960 Fig. 42 Section Fig. 50

Length 2.7m+, Width 0.6m; Depth 0.1m.

Linear feature running east west in corner of excavation trench, rounded butt end at east, west end extends beyond baulk, south side extends beyond baulk.

Fill: grey brown silt loam.

Dateable finds: 13th C pottery.

Ditch 0102 Grid DP 9663 Fig. 42 Section Fig. 50

Length 5.15m; Width 0.4 - 0.5m; Depth 0.28m

Steep sided flat based linear feature runs east west before turning sharply north to a butt end, west end extends beyond trench edge. Runs parallel to 0100. May be a continuation of 0108.

Fill: Light grey brown silt loam.

Dateable finds: 11th - 12th C pottery.

Ditch 0108 Grid DP 965630 Fig. 42 Section Fig. 50

Length 5m+; Width 0.4 - 0.6m; Depth 0.25m.

Ditch running east west. Full length unknown as no clear butt end could be established at west end. May be related to 0102. *Fill:* light orange brown silt loam.

Dateable finds: 11th - 12th C pottery.

?Pit 0153 Grid MF 397769 Fig. 42 Section Fig. 50

Length 0.6m; Width 0.4m; Depth 0.1m.

Shallow oval sloping sided feature.

Fill: Light grey brown silt loam.

Dateable finds: 13 C pottery.

Ditch 0200 Grid DZ 3286 Fig. 42 Section Fig. 50

Length 4m+; Width 0.4m; Depth 0.2m.

Steep sided flat based feature runs east west, butt end two metres west of North Shoebury Hall, east end extends beyond edge of trench.

Fill: Light grey brown, silt loam.

Dateable finds: 12th - 14th C pottery.

Stratigraphic relationship: Beneath 0505 ?levelling layer for Hall floor.

?Ditch 0314 Grid DP 8138 Fig. 42 Section Fig. 50

Length 14m+; Width 1.6m; Depth 0.4m.

Sloping sided flat based feature with possible recut on south side. Full length unknown as feature extends beyond limit of trench to the east. May be a ditch butt end but no ditch was recorded in a trench cut 6m to the east (Fig.42) therefore 0314 may be a pit.

Fill: Very compacted orange brown silt loam with frequent pebbles (A), Orange brown sandy silt loam with grey green mottle (B).

Dateable Finds: 11th-12th C pottery.

?Palisade slot 0318 Grid DP 9732 Fig. 42 Section Fig. 50

Length 1.6m+; Width 0.5m; Depth 0.3m.

Narrow steep sided flat based feature. It seems likely that this feature is continued by 0319 and 0320, indicating a slot at least 20m long and running parallel to and 10m from 0300. 0317, 0323, 0321, 0313 probably represent another slot running parallel to and between 0318 and 0300. These parallel features may be palisade or revetment slots for a bank accompanying 0300.

Fill: Grey brown silt loam (A); light orange brown (B).

Dateable finds: 11th-12th C pottery.

?Palisade slot 0319 Grid DP 3824 Fig. 42 Sections Fig. 50

Length 1.6m +; Width 0.75m; Depth 0.65 m.

Narrow steep sided flat based feature, probably part of same ? palisade slot as 0318 and 0320 (0320 is not separately described or illustrated).

Fill: grey brown sandy silt loam.

Dateable finds: 11th-12th C pottery.

?Palisade slot 0321 Grid MF 0626 Fig. 42 Section Fig. 50

Length 1.9m; Width 1.06m; Depth 0.8m.

Steep sided flat based feature with stepped profile on west side. This feature together with 0317, 0322, 0313, 0335 (Fig. 37 0317, 0313 and 0335 not separately described or illustrated) may represent a second palisade or revetment slot running parallel with 0300 and between 0300 and the slot represented by 0318-0320. The feature reaches its greatest depth in 0321 and becomes progressively shallower to the south, being only 0.2m deep at the possible butt end 0335. Immediately adjacent to 0335 is a steep sided flat based feature 0324 of similar proportions to 0321.

Fill: Grey brown silt loam (A) lens of orange sand (B) Grey brown sandy silt loam with frequent pebbles (C).

Dateable finds: 11th-12th C pottery.

?Palisade slot 0322 Grid MF 0920 Fig. 42 Section Fig. 50

Length 1.6m; Width 1m; Depth 0.6m

Steep sided flat based feature possibly part of a revetment/palisade slot with 0317, 0321, 313 and 0335. The 19th c. pottery may be intrusive the feature like all those in this area of the site was overlain by a considerable depth of modern brick rubble, 0322 was also cut by a recent posthole (0325) in which fragments of a wooden post still survived.

Fill: Light grey brown silt loam, frequent pebbles.

Dateable finds: 19th/20th C pottery.

Stratigraphic relationship: cut by recent posthole 0325 (not separately described).

?Palisade slot 0324 Grid Ref MF 1105 Fig. 42 Section Fig. 50

Length 1.8m +; Width 1.1m; Depth 0.7m.

Steep sided flat based feature adjacent to 0335. May be a replacement for 0335 or possibly a continuation of the slot represented by 0318, 0319 and 0320. Given the extent of the overlaying recent disturbance the 19th C pottery from 0324 may be intrusive.

Fill: Grey brown sandy silt loam, frequent pebbles (A); Grey brown sandy clay loam (B); Orange brown sandy silt loam (C).

Dateable finds: 19th/20th C pottery.

Ditch 0343 Grid DZ 5978 Figs 43,44 Section Fig. 50

Length 10m +; Width 0.6-1m; Depth 0.1-0.6m

Shallow steep sided flat based feature extends beyond limits of trench at both ends, appears to be a recut of ditch 0350 and may be the same as ditch 0448 giving a total length of 38m +. A partial recut of 0343/0357 appeared in the west section of 0343/0350 (Fig...).

Fill: Dark grey brown sandy silt loam (A); dark grey brown silt loam (B).

Dateable finds: 13th C pottery.

Stratigraphic relationship: Cuts 0345, 0350, 0353 a partial recut of 0350. Cut by 0344, and 0357 an otherwise undated pit, not separately described.

Ditch 0350 Grid DZ 5978 Figs 43,44 Section Fig. 50

Length 10m +; Width 1.4-2m; Depth 0.5-0.7m

Steep sided flat based ditch running east-west along same line as later recut 0343, extends beyond trench at both ends. 0350 appears to have been partially recut as 0353, 0358 prior to being fully recut as 0343.

Fill: Orange brown silt loam (A); grey brown silt loam (B); light orange brown sandy silt loam (C); orange brown sandy loam (D); grey brown sandy loam (E); light orange brown sandy loam (G).

Dateable finds: First half of 13th C pottery, from upper fill, 11th-12th C pottery from lower fill.

Stratigraphic relationship: Cuts 0345; cut by 0343, 0344.

?Ditch 0353 Grid DZ 600778 Figs 43,44 Section Fig. 50

Length 3m +; Width 0.5m +; Depth 0.3m.

?Partial recut of 0350, full extent unknown as east end removed by recent sewer pipe, west end by 0344 and north side by 0343.

Fill: Grey brown sandy silt loam (A), Grey brown sandy silt loam with frequent finely broken shell (B).

Dateable finds: First half of 13th C pottery.

Stratigraphic relationships: cuts 0350; cut by 0343, 0344 and recent sewer trench.

Posthole 0355 Grid DZ 5878 Fig. 44 Section Fig. 50

Diameter 0.5m; Depth 0.2m

Steep sided flat based feature.

Fill: Light grey brown sandy silt loam.

Dateable finds: First half of 13th C pottery.

Stratigraphic relationships: Cuts 0350

Slot 0400 Grid DZ 406802 Fig.51 Section Fig.49

Length 3m; Width 0.25; Depth 0.15-0.25m.

Narrow shallow steep sided feature incorporating two postholes 0467,0469.

Fill: Dark grey brown silt loam.

Dateable finds: 11th/12th century pottery.

?Pit 0403 Grid DZ794424 Fig.51 Section not drawn

Length 2m +; Width 1m; Depth not known

Unexcavated feature full length unknown as it extends beyond limit of excavation. Cut by unexcavated feature 0402. Fill described as it appeared on the trowled surface.

Fill: Dark grey brown silt loam.

Dateable finds: 12th/13th century pottery from trowled surface.

?Beamslot 0414 Grid DZ 2984 Fig. 49 Section Fig. 50

Length 1m; Width 0.82m; Depth 0.36m

Sub-rectangular steep sided flat based feature.

Fill: Dark grey brown, sandy silt loam frequent pebbles.

Dateable finds: 11th and 12th C pottery.

Posthole 0415 Grid DZ 2985 Fig. 49 Section Fig. 50

Length 0.65m; Width 0.42m; Depth 0.22m

Sub rectangular steep sided flat based feature.

Fill: Grey brown silt loam.

Dateable finds: 11th-12th C pottery.

0416 Posthole Grid DZ 301824 Fig. 49 Section Fig. 50

Length 1.14m; Width 0.6m; Depth 1.02m

Elongated steep sided flat based posthole cut by undated feature 0077.

Fill: Grey brown loam (A), grey brown silt loam (B), orange brown silt loam (C), sandy silt loam (D).

Dateable finds: Early 13th C pottery

?Beam slot 0429 Grid DZ 3678 Fig. 49 Section Fig. 50

Length 1.1m Width 0.4m Depth 0.4m.

Steep sided flat based elongated feature, apparently replaced an earlier narrower shallower ?beam slot 0418 (Fig 41) not separately described.

Fill: Grey brown silt loam.

Dateable finds: 11th/12th C pottery.

Stratigraphic relationship: cut 0418.

?Pit 0432 Grid DZ 3281 Fig. 49 Section Fig. 50

Length 1m; Width 0.3m; Depth 0.08m

Very shallow sloping sided flat based feature.

Fill: Dark grey brown, silt clay loam.

Dateable finds: 13th C

Posthole 0433 Grid DZ 3281 Fig. 49 Section Fig. 50

Length 0.4m; Width 0.34m; Depth 0.34m.

Sub rectangular steep sided flat based feature.

Fill: Dark grey brown silt loam.

Dateable finds: First half of 13th C pottery.

Ditch 0448 Grid DZ 3367 Figs 49,52 Section Fig. 51

Length 6m +; Width 2 - 3m; Depth 0.4m.

Sloping sided flat bottomed ditch, runs east west may be a continuation of 0343 giving a total length of 38m +.

Fill: Olive green sandy silt loam (A); light orange brown sandy silt loam (B).

Dateable finds: 13th C pottery

Stratigraphic relationship: cut by century ditch 0447 and ditch 0444.

Posthole 0455 Grid DZ 3182 Fig. 49 Section Fig. 51

Length 0.8m; Width 0.6m; Depth 0.5m

Oval posthole steep sided flat based with 0.2m diameter deeper post socket at east end.

Fill: Dark grey brown silt loam with clay lenses (A); dark grey brown silt loam with frequent pebbles (B); grey brown silt loam (C).

Dateable finds: 11th C pottery.

Posthole 0456 Grid DZ 3082 Fig. 49 Section Fig. 51

Length 0.65m; Width 0.59m; Depth 0.4m

Oval steep sided flat based posthole with deeper 0.2m diameter post socket.

Fill: Dark grey brown silt loam with clay lenses (A); dark brown silt loam with frequent pebbles (B); grey brown silt loam (C).

Dateable finds: 13th C pottery.

?Posthole 0457 Grid DZ 0000 Fig. 49 Section Fig. 51

Length 0.7m; Width 0.4m; Depth 0.1m.

Shallow sloping sided feature.

Fill: Light orange brown silt loam (A).

Dateable finds: 13th C pottery.

Stratigraphic relationships: cut by 0088.

Posthole 0458 Grid DZ 3283 Fig. 49 Section Fig. 51

Diameter 0.4m; Depth 0.11m.

Sub circular sloping sided feature.

Fill: Grey brown silt loam.

Dateable finds: 11th/12th C pottery.

Stratigraphic relationships: cuts 0459.

Posthole 0459 Grid DZ 3282 Fig. 49 Section Fig. 51

Length 0.6m; Width 0.3m; Depth 0.25m.

Steep sided flat based feature.

Fill: Grey brown sandy silt loam.

Dateable finds: 11th/12th C pottery.

Stratigraphic relationships: cut by 0458, 0085.

?Pit 0460 Grid DZ 3384 Fig. 49 Section Fig. 51

Length 0.5m +; Width 0.3m; Depth 0.16m.

Irregular feature steep sided on west sloping on east, full extent unknown as the feature extends beyond the limit of the excavation beneath North Shoebury Hall.

Fill: Dark grey brown silt loam.

Dateable finds: 13th to 14th C pottery.

Stratigraphic relationships: Beneath south wall of North Shoebury Hall.

Posthole 0465 Grid DZ 3380 Fig. 49 Section Fig. 51

Diameter 0.34m; Depth 0.16m.

?Circular U-profiled feature full extent uncertain as northern edge removed by 0086.

Fill: Grey brown silt loam.

Dateable finds: late 13th-mid 14th C pottery.

Stratigraphic relationships: Cut by 0086.

Posthole 0467 Grid Ref DZ 4081 Fig. 49 Section Fig. 51

Length 0.6m; Width 0.4m; Depth 0.18m.

Irregular oval feature step profiled on south, steep sided on north.

Fill: Light grey brown silt loam. May form a pair with 0469 (Fig. 41) perhaps representing a fence or wall line with posts set in a very shallow trench 0400, 0488. (Fig. 41).

Dateable finds: 11th/12th C pottery.

Posthole 0469 Grid DZ 4081 Fig. 49 Section 51

Length 0.6m; Width 0.35m; Depth 0.2m

Sub-rectangular feature, set within 0400.

Fill: Orange brown, silt loam.

?Posthole 0470 Grid DZ 3384 Fig. 49 Sections Fig. 51

Diameter 0.3m; Depth 0.11m

Sub-circular shallow steep sided feature.

Fill: Light grey brown silt/loam.

Dateable finds: 1st half 13th C pottery.

?Site: 0504 Grid DZ 2791 Fig. 49

Length 1.05m+ north-south; 2m east-west; Width 0.3-0.4m. Depth unknown.

Rectangular structure defined by unexcavated linear features.

Fill: (described as seen on trowelled surface) grey brown silt loam.

Dateable finds: 11th C pottery.

Stratigraphic relationships: Beneath north wall of North Shoebury Hall.

Posthole 0511 Grid DZ 2493 Fig. 46 Section Fig. 51

Width 0.35m; Depth 0.2m.

Sub-circular U profiled feature.

Fill: dark grey brown silt loam.

Dateable finds: 12th/13th C pottery.

Posthole 0515 Grid DZ 2583 Fig. 46 Section not drawn

Diameter 0.27m; Depth 0.13m.

Sub-circular feature.

Fill: grey brown silt loam.

Dateable finds: 11th/12th C pottery.

Gully 0550 Grid DZ 2385 Fig. 46 Sections not drawn

Length 3.5m+; Width 0.3-0.4m; Depth unknown.

Unexcavated curving gully. Full extent unknown as east end runs beneath wall of North Shoebury Hall. May be same feature as 0200.

Fill: (described as seen on trowelled surface) light grey brown silt loam.

Dateable finds: 11th/12th C pottery from surface.

Stratigraphic relationships: beneath Hall wall.

Ditch 1447 Grid DE 8050 Fig. 41 Section Fig. 51

Length 10m+; Width 4m; Depth 0.3-0.4m.

Full length unknown as extends beyond excavated area to both east and west. Steep sided on south sloping on north. Roughly parallel to, and 2-3m from 1446.

Fill: Orange brown silt clay.

Dateable finds: 13th/14th C pottery. Roman pottery presumed residual.

Stratigraphic relationships: ?cuts Roman ditch 1448.

?Ditch 1446 Grid DE 8360 Fig. 41 Section Fig. 51

Length 15m+; Width 0.5-0.7m; Depth 0.4-0.6m.

Near vertical sided flat based feature, full length unknown as extends beyond excavated area to both east and west. The profile of the

feature may indicate a palisade trench rather than a ditch although there was no signs of postholes in the fill. Runs roughly parallel to and 2-3m north of 1447.

Dateable finds: 11th/12th C pottery.

Stratigraphic relationships: Cuts five undated and unexcavated linear features running north south.

Macleod Phase V.1 Feature Descriptions

Oven M2.60 Grid LE520930 Sections not drawn. Plan Fig.118

Length 2.4m Width 1.5m Depth not known.

Oval pit with rectilinear south facing flue.

Fill: for description see fiche Fig. 118

Dateable finds: 13th century pottery

Pit M2.61 Grid LE510900 Section not drawn. Plan Fig.118

Length 2m Width 1.3m Depth not known.

Oval pit.

Fill: grey black clay and reddish brown burnt clay.

Oven M2.62 Grid LE420930 Section not drawn. Plan Fig.118

Length 1.35m Width 0.75m Depth not known.

Oval pit with rectilinear south west facing flue.

Fill: for description see fiche Fig. 118

Dateable finds: 13th century pottery.

Period VI Feature Descriptions

Ditch 0024 Grid DZ 1786 Fig. 46 Section Fig. 50

Length 13m +; Width 0.25-0.35m; Depth 0.1-0.25m.

Shallow steep sided flat based ditch runs north south, cut along same line as 0038. Butt end at north extends beyond trench edge to south.

Fill: grey brown silt loam (A).

Dateable finds: 16th C pottery.

Stratigraphic relationships: cuts 0007 and 0038.

Posthole 0029 Grid DZ 1889 Section not drawn Fig. 46

Diameter 0.32m; Depth 0.2m

Sub-circular steep sided flat based post hole.

Fill: Light grey brown silt loam.

Dateable finds: 16th C pottery.

Ditch 0033 Grid DZ 1486 Fig. 46 Section Fig. 53

Length 15m +; Width 1.8-2.2m; Depth 0.25-0.9m

Sloping sided flat bottomed ditch runs north-south, both ends extend beyond trench edge.

Fill: Dark green brown silt loam (A). Grey brown silt loam (B).

Dateable finds: 18th C pottery and glass.

Stratigraphic relationships: Cuts 0007 and ditch 0034. Cut by undated posthole 0051 and pit 0041. Sealed by chalk layer 0032.

Pit 0041 Grid DZ 1583 Fig. 46 Section Fig. 53

Length 0.75m; Width 0.75m; Depth 0.6m

Sloping sided flat based pit, base lined with peg tile.

Fill: Black, loose silt loam. The pit contained no dateable finds but was cut from just below the topsoil and may be a recent garden feature.

Stratigraphic relationships: Cuts 0033 and 0034

Posthole 0042 Grid DZ 1188 Fig. 46 Section Fig. 53

Diameter 0.7m; Depth 0.7m.
Sub-circular vertical sided feature, 0.25m diameter central deeper area may represent post socket.
Fill: Dark grey brown sandy silt loam.
Dateable finds: 16th C pottery.

Posthole 0045 Grid DZ 0887 Fig. 46 Section Fig. 53
Length 0.75m; Width 0.6m; Depth 0.25m
Sub-rectangular posthole flat based steep sided.
Fill: Dark grey brown sandy silt loam (A).
Dateable finds: 16th C pottery.

Layer 0051 Grid DZ 0382 Fig. 46 Section Fig. 53
Length 15m; Width 3-13m+; Depth 0.1-0.25m
Layer dumped to level up a low lying area to the west of North Shoebury Hall, extends beyond limits of trench.
Fill: Dark grey brown silt loam with occasional sandy loam lenses, contained occasional fragments of the brick, oyster and bone. A soil had developed over the western part of this layer which was subsequently buried and lay 0.2m below the modern ground surface (Fig.44)
Dateable finds: 16th C pottery.
Stratigraphic relationship: seals 0007.

?Pit 0061 Grid DZ 1380 Fig. 46 Section not drawn
Length 0.5m; Width 0.45m; Depth 0.35m.
Sub-rectangular steep sided flat based pit.
Fill: indistinguishable from 0033, the features may have been filled at the same time. 0061 may be a posthole associated with the west side of ditch 0033.
Dateable finds: 18th C pottery.
Stratigraphic relationships: Cuis 0034.

Posthole 0069 Grid DZ 2186 Fig. 46 Section Fig. 43
Diameter 0.16m; Depth 0.12m
Sub-circular steep sided flat based feature.
Fill: Dark grey brown silt loam (A).
Dateable finds: 16th C pottery.

Layer 0074 = 0450 Grid DZ 3070 Fig. 52 for section see Fig. 51
Length 5.2m+; Width 3m+; Depth 0.2-0.3m.
Layer dumped south of North Shoebury Hall possibly to level up a slight slope. The number 0074 was given to the layer north of ditch 0477 although the feature is almost certainly the same as layer 0450 to the south of 0477 giving a total length of 9.4m. Full extent unknown as extends beyond excavated area.
Fill: Grey brown silt loam with frequent oyster shell and pebble.
Dateable finds: Late 15th-early 16th C pottery.
Stratigraphic relationship: cut by 0477 and 0437

?Posthole 0076 Grid DZ 3184 Fig. 49 Section Fig. 53
Length 0.7m; Width 0.52m; Depth 0.37m.
Irregular steep sided flat based feature.
Fill: Dark grey brown silt loam.
Dateable finds: 18th C pottery.

?Posthole 0081 Grid DZ 3188 Fig. 49 Section Fig. 53
Length 0.4m; Width 0.3m; Depth 0.12m
Shallow oval feature.
Fill: Dark grey brown silt loam.
Dateable finds: 19th C pottery, 17th-18th century glass.

Posthole 0080 Grid DZ 3081 Fig. 46 Section Fig. 53
Diameter 0.21m; Depth 0.4m.
Vertical sided flat based feature.
Fill: Dark grey brown silt loam.
Dateable finds: 15th -17th C pottery.

Pit 0099 Grid DZ 4185 Fig. 49 Section Fig. 53

Length 0.72m; Width 0.52m; Depth 0.12m

Shallow steep sided flat based sub-rectangular feature.

Fill: dark grey brown sandy silt loam (A)

Dateable finds: 19th/20th C pottery

Pit 0114 Grid MF 0868 Fig. 42 Section not drawn

Length 4.5m; Width 2m; Depth 0.3-0.4m

Steep sided flat based features.

Fill: Dark grey brown silt loam (A).

Dateable finds: 19th/20th C pottery and glass.

Stratigraphic relationship: Cuts 0300.

Ditch 0344 Grid DZ 6392 Figs 43,44 Section Fig. 50

Length 9.4m+; Width 0.6-1.2m; Depth 0.2-0.4m

Sloping sided flat bottomed ditch running north west south east.

Fill: Dark grey brown silt loam (A)

Dateable finds: 17th-18th C pottery

Stratigraphic relationship: Cuts 0343, 0345. Cut by modern sewer pipe.

Pit 0347 Grid DZ 6724 Fig. 44 Section Fig. 53

Length 2.6m; Width 1.2m+; Depth 0.16-0.24m

Sub-rectangular steep sided flat based pit. full extent unknown as it extends beyond limit of excavation.

Fill: Grey brown silt loam (A).

Dateable finds: 17th C or later pottery.

Stratigraphic relationship: cut by modern sewer pipe.

Posthole 0424 Grid DZ 3378 Fig. 49 Section not drawn

Length 0.6m; Width 0.5m; Depth 0.25m

Steep sided flat based feature.

Fill: Dark brown, humic loam (A)

Dateable finds: 16th C pottery

Posthole 0437 Grid DZ 2887 Fig. 52 Section Fig. 53

Length 0.7m; Width 0.6m; Depth 0.5m.

Rectangular vertical sided feature, flat based, with a square (0.3m x 0.3m) well defined post pipe.

Fill: Orange brown to grey brown sandy silt loam (A); dark grey brown silt loam (B).

Dateable finds: 17th-18th C pottery, 18th C glass.

Stratigraphic relationships: Cuts 0074.

Pit 0438 Grid DZ 3337 Fig. 52 Section Fig. 53

Length 1.5m+; Width 1m; Depth 0.4-0.6m

Steep sided flat based pit.

Fill: Light orange brown silt clay (A); light grey brown sandy silt loam (B). Extends beyond edge of site, full length unknown.

Dateable finds: 18th C pottery

Stratigraphic relationship: cuts 0440, 0477, 0450

Posthole 0440 Grid DZ 3373 Fig.52 Section Fig. 53

Length 0.25m+; Width 0.75m; Depth 0.68m

Steep sided flat bottomed feature with central postpipe (Fill A) resting on large brick fragments.

Fill: Dark grey brown humic silt loam (A); Grey brown sandy silt loam (B). Extends beyond edge of trench, full length unknown.

Dateable finds: 16th C pottery.

Stratigraphic relationship: Cut by 0438

Pit 0443 Grid DZ 3070 Fig.52 Section Fig. 53

Diameter 0.2m; Depth 0.14m

Small sub-circular feature steep sided flat based.

Fill: Orange brown sandy loam.

Dateable finds: 18th C glass and pottery.

Stratigraphic relationship: Cut 0444

Ditch 0444 Grid DZ 3255 Fig.52 Section Fig. 53

Length 9.4m+; Width 0.6-0.8m; Depth 0.2m

Shallow narrow ditch sloping sided flat based, runs north south. Stops at 0477 relationship uncertain but these features are probably contemporary, southern end extends beyond excavated area, full extent unknown.

Fill: Dark grey sandy silt loam (A).

Dateable finds: 18th C pottery and 16th-17th C glass.

Stratigraphic relationship: cuts 0447, 0448, 0450 relationship with 0446 and 0477 uncertain. Cut by 0443.

Ditch 0446 Grid DZ 3067 Fig.52 Section Fig. 53

Length 2.2m+; Width 1.6m; Depth 0.4m

Flat based feature, steep sided on north side sloping on south. Runs along centre of 0447 east of 0444, same profile as 0447. Butt end adjacent to 0444, relationship uncertain but 0444 and 0446 appear likely to be contemporary. Full extent unknown extends beyond trench edge to east.

Fill: Light grey brown clay silt, with frequent brick, tile and mortar fragments (A).

Dateable finds: 16th-18th C pottery.

Stratigraphic relationship: Cuts 0447.

Ditch 0447 Grid 3066 Fig.52 Section Fig. 53

Length 6.2m+; Width 1.8-2.4m; Depth 0.5m

Flat based feature, sloping sided on south, steep sided on north, cut along same line as 0438.

Fill: Dark grey brown clay silt (A).

Dateable finds: 17th C pottery.

Stratigraphic relationship: cuts 0448, 0450 cut by 0444, 0446.

Layer 0450 Grid DZ 2971 Fig. 52 Section Fig. 53

Length 3.2m+; Width 5m+; Depth 0.2-0.3m

Layer dumped south of North Shoebury Hall possibly to level up a slight slope. The number 0450 was given to the layer south of 0477 although the feature is almost certainly the same as layer 0074 to the north of 0477 giving a total length of 4.4m+. Full extent unknown as the layer extends beyond the excavated area.

Fill: Light grey brown silt clay.

Dateable finds: 16th-17th C pottery.

Stratigraphic relationships: cut by 0444, 0447 above 0448.

Posthole 0474 Grid DZ 3281 Fig. 53

Length 0.7m; Width 0.6m; Depth 0.46m.

Sub-rectangular steep sided flat based feature.

Fill: Dark grey brown silt loam.

Dateable finds: 16th C pottery.

Ditch 0477 Grid DZ 2972 Fig.52 Section Fig. 53

Length 4.5m+; Width 0.58m; Depth 0.3m.

Steep sided flat based feature runs east west. Full extent unknown, west end extends beyond edge of excavations, east end removed by 0438. Relationship with 0444 uncertain but it seems likely that 0477 and 0444 are contemporary.

Fill: Black humic silt loam (A).

Dateable finds: 18th C pottery.

Stratigraphic relationship: cuts 0450 cut by 0438.

Posthole 0484 Grid DZ 3882 Fig. 52 Section Fig. 53

Sub-rectangular steep sided flat based shallow feature. Full extent unknown, extends beyond limit of excavation.

Fill: Dark grey brown silt loam, frequent small pebbles at base, almost entirely filled with large brick fragments. *Fill:* Dark grey brown silt loam.

Dateable finds: 18th C pottery, 16th C glass.

Posthole 0518 Grid DZ 0982 Fig. 46 Section not drawn

Length 0.55m; Width 0.51m; Depth 0.3-0.59m.

Sub rectangular feature steep sided flat based with deeper post socket on north side.

Fill: Dark grey brown silt loam.

Dateable finds: 18th C pottery.

Stratigraphic relationship: Cut 0024

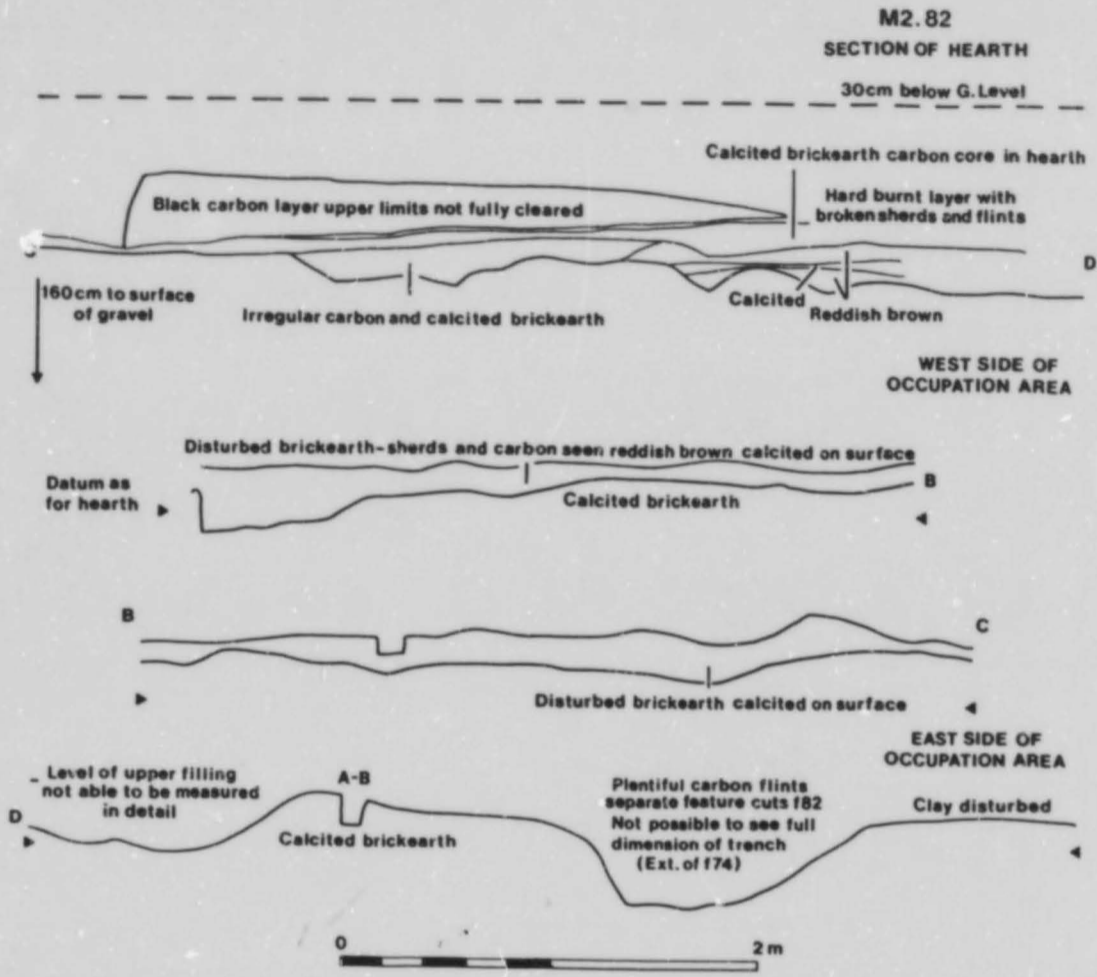


Fig. 105 Section of Neolithic feature M2.82

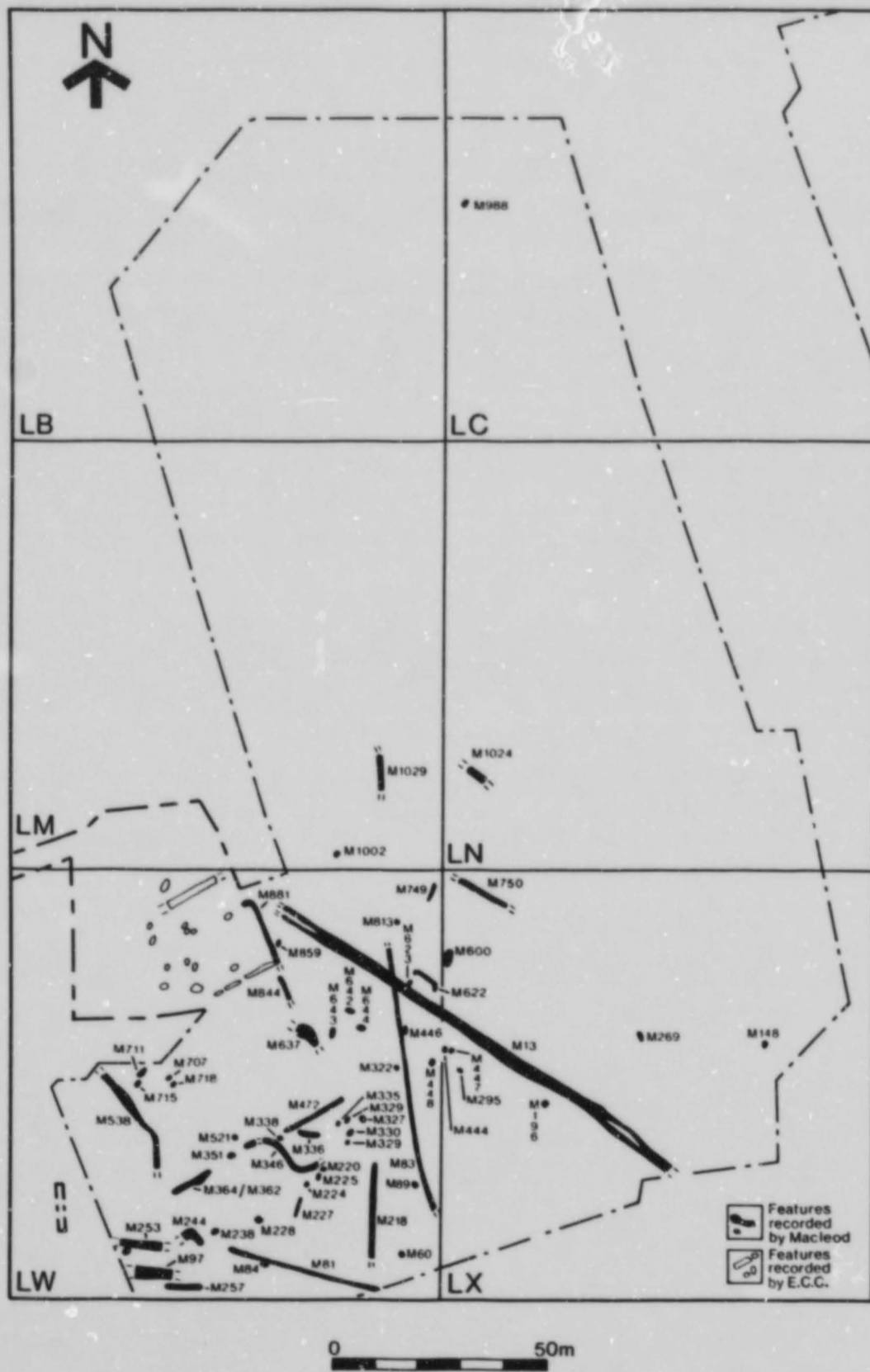


Fig. 106 Plan of phase I.1 and I.2 features recorded by Macleod

D1

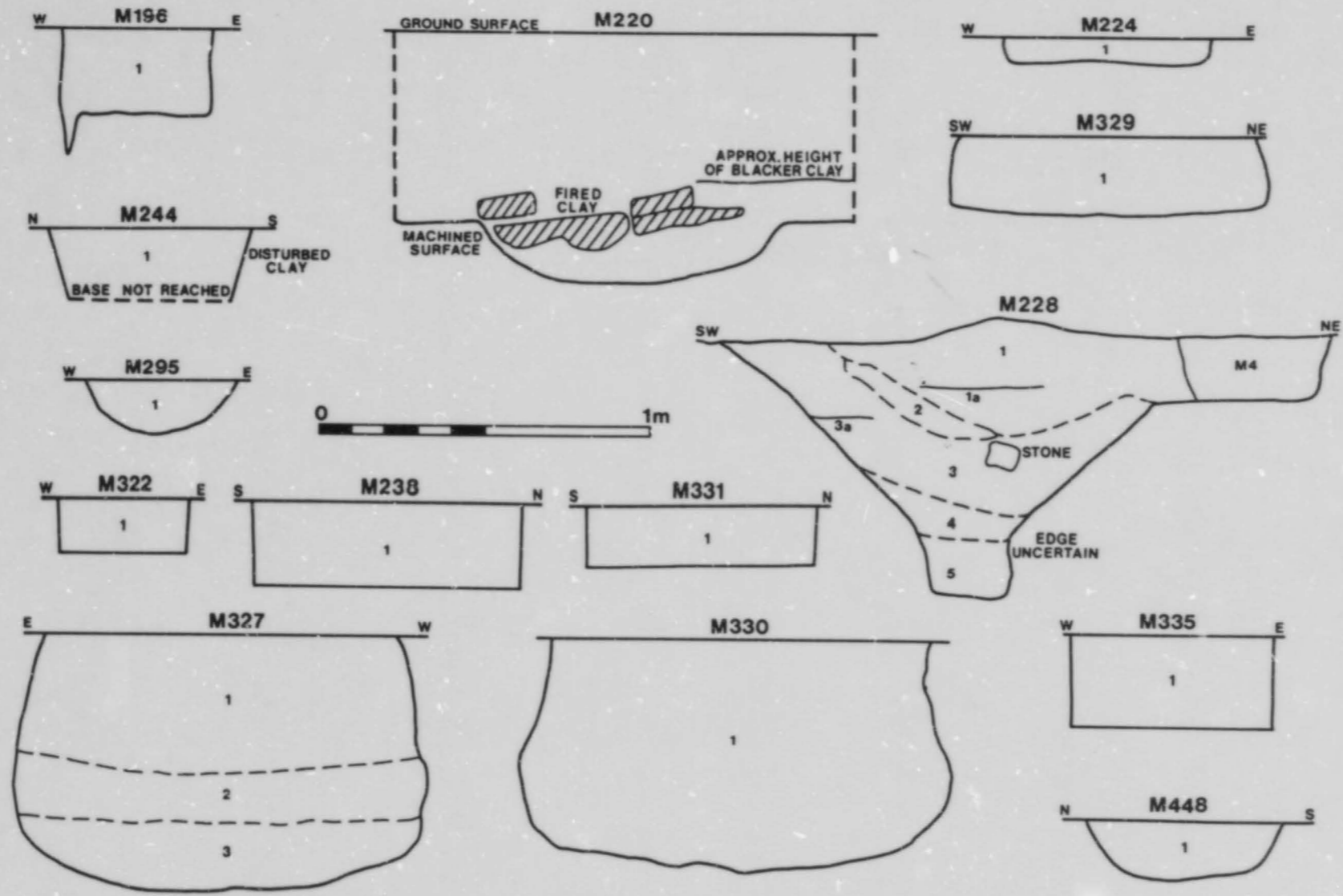


Fig. 107 Sections of phase I.2 features recorded by Macleod

22

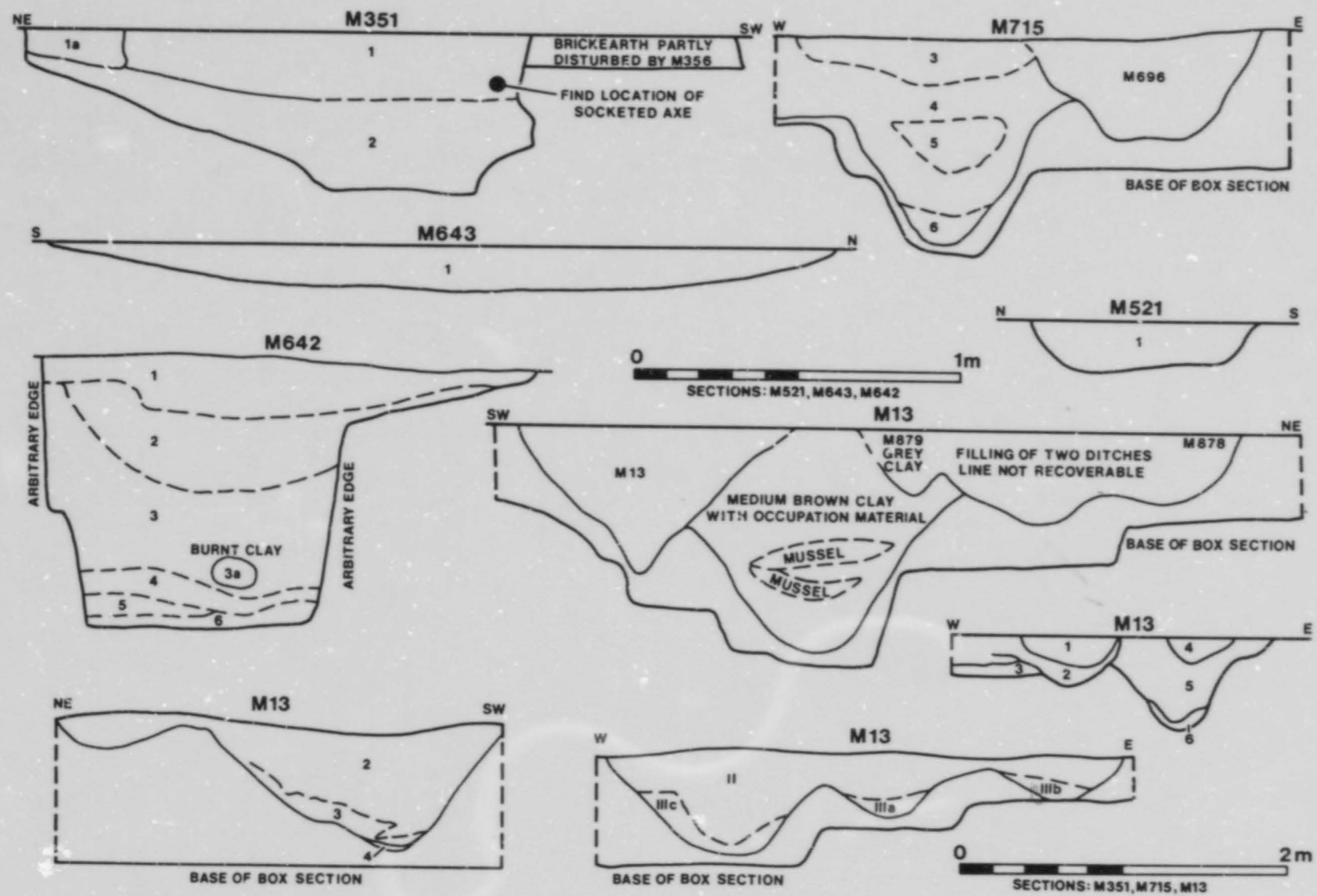


Fig. 108 Sections of phase L2 features recorded by Macleod

DS

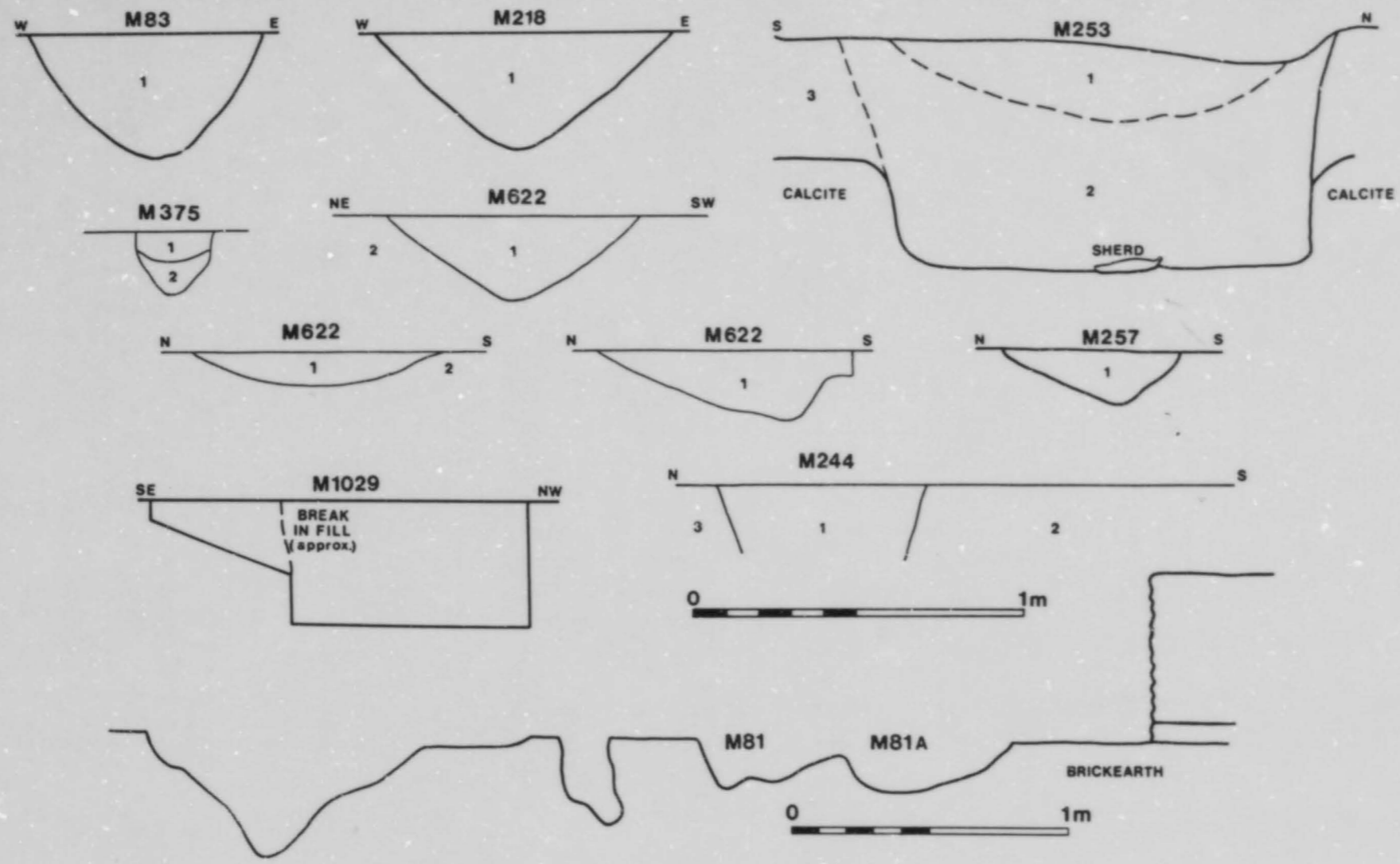


Fig. 109 Sections of phase I.2 features recorded by Macleod

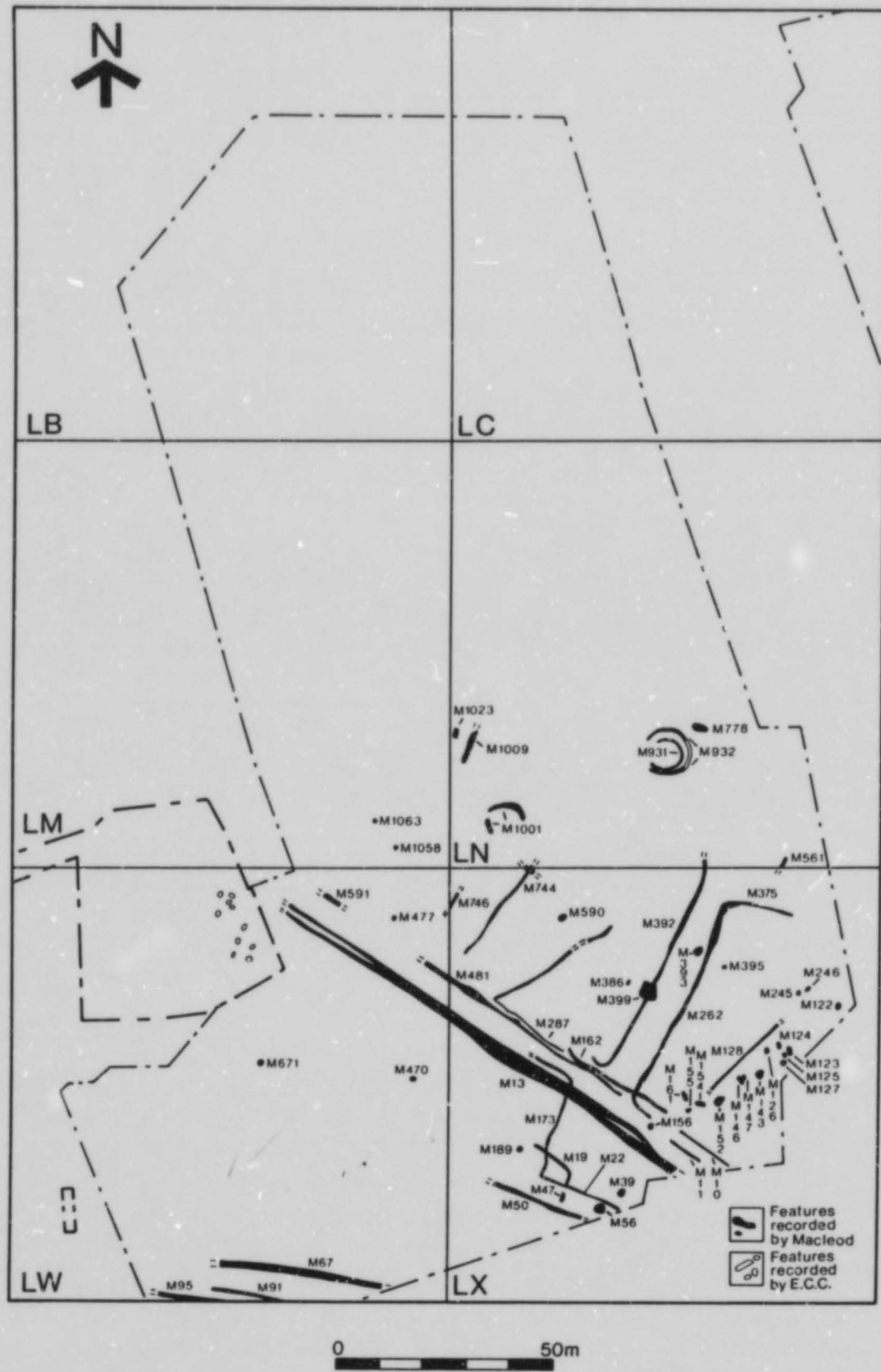
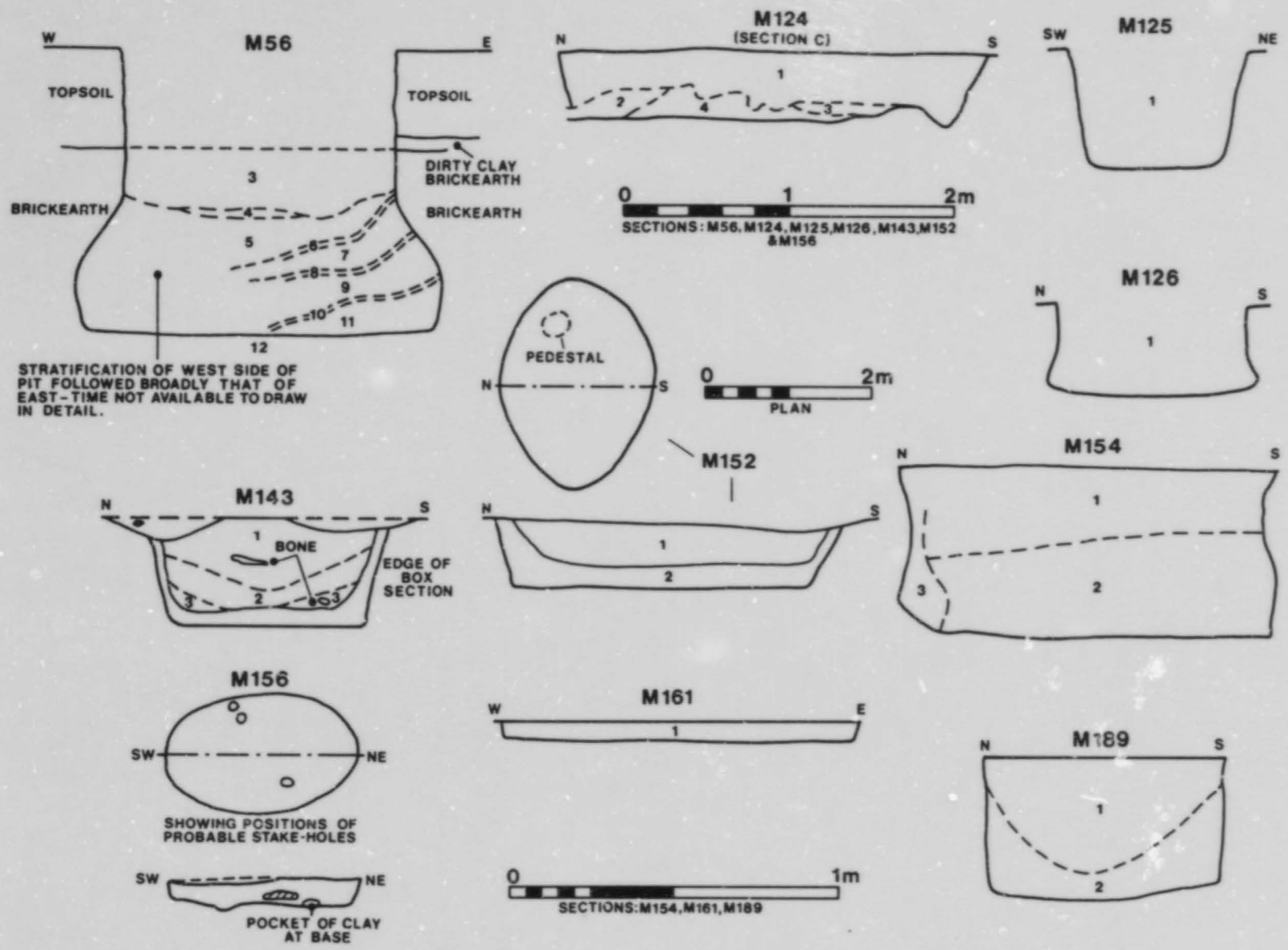


Fig. 110 Plan of phase I.3 features recorded by Macleod

D4



STRATIFICATION OF WEST SIDE OF PIT FOLLOWED BROADLY THAT OF EAST - TIME NOT AVAILABLE TO DRAW IN DETAIL.

DS

Fig. 111 Sections of phase I.3 features recorded by Macleod

D6

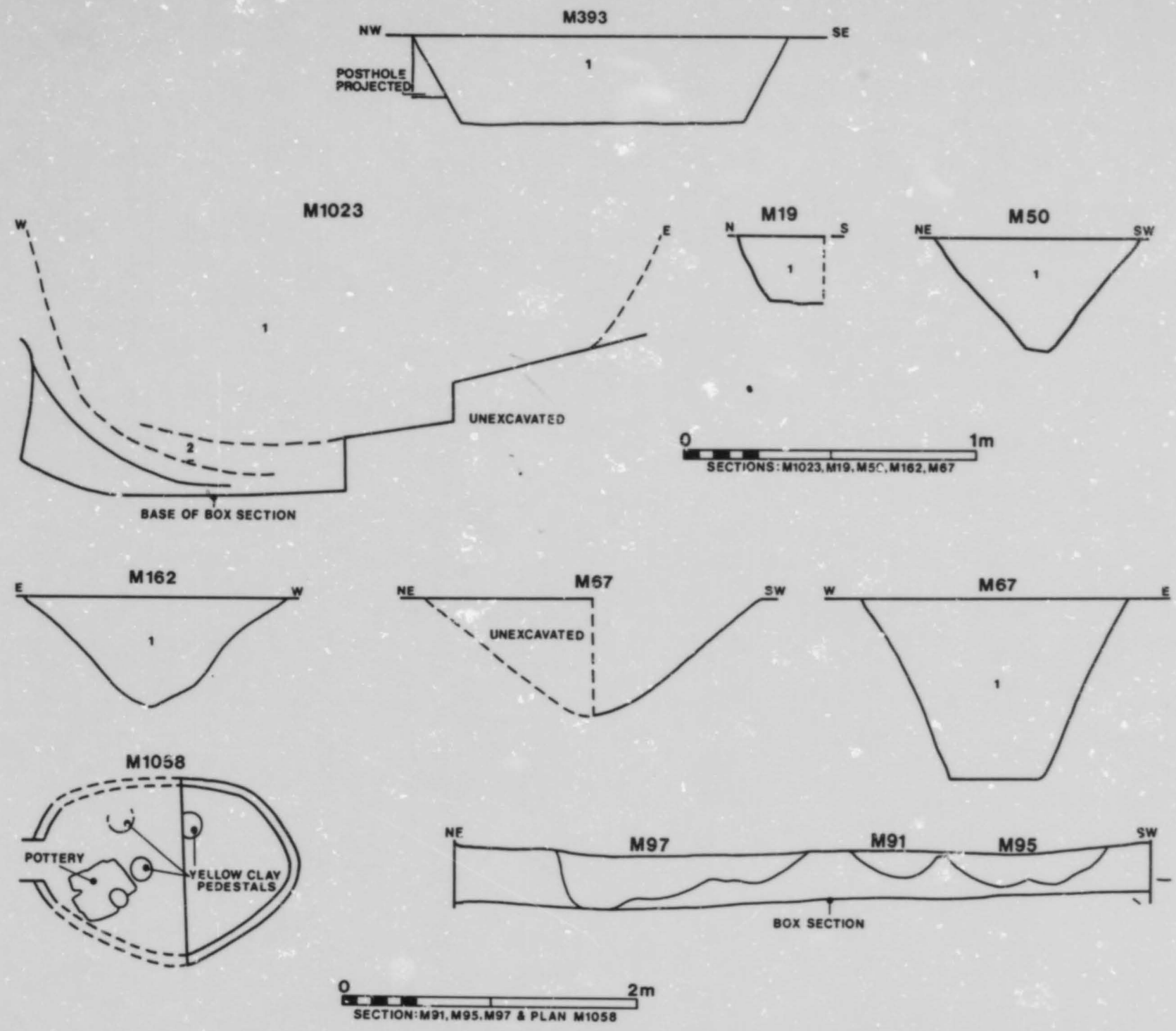


Fig. 112 Sections of phase I.3 features recorded by Macleod

47

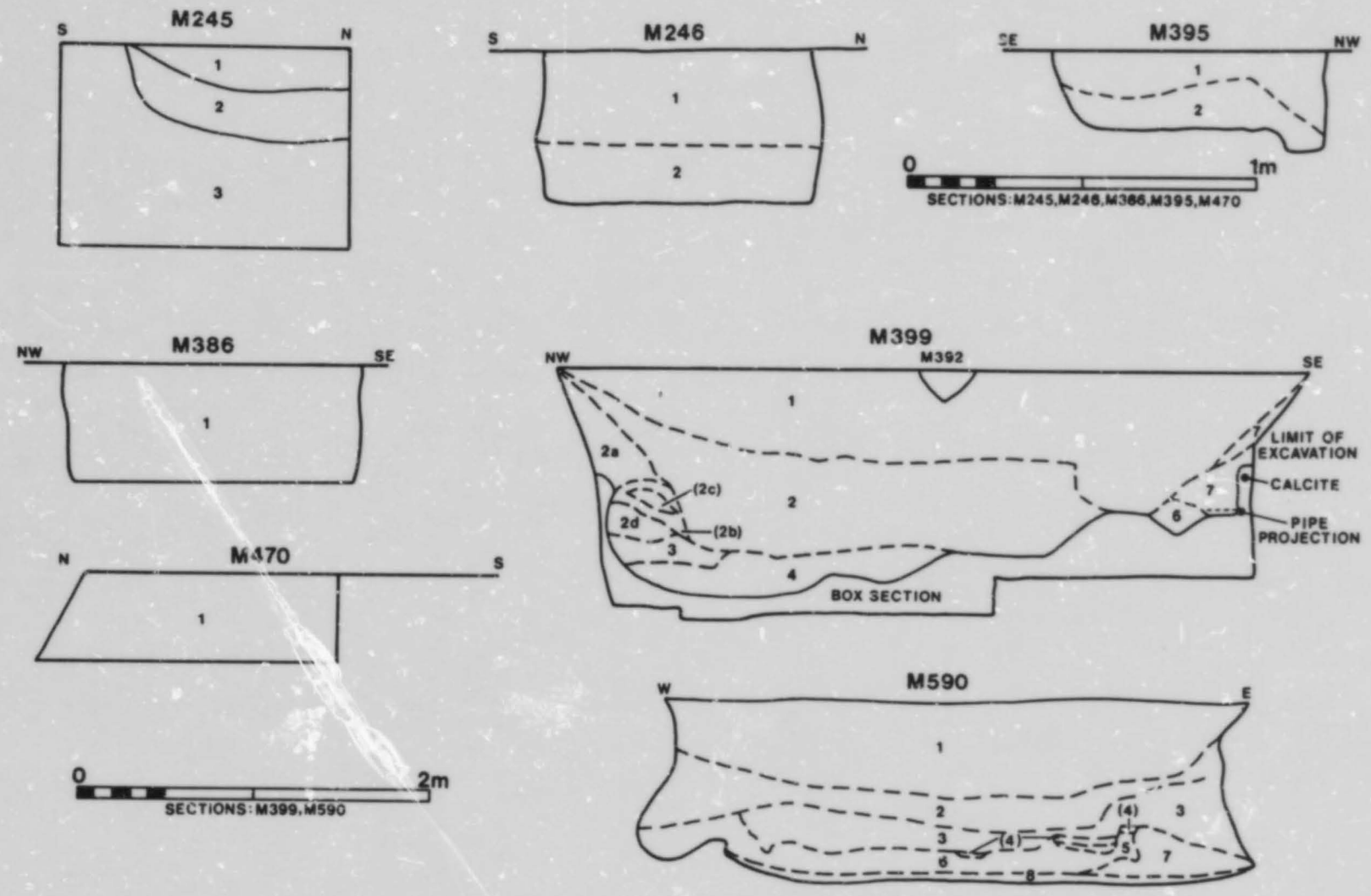


Fig. 113 Sections of phase I.3 features recorded by Macleod

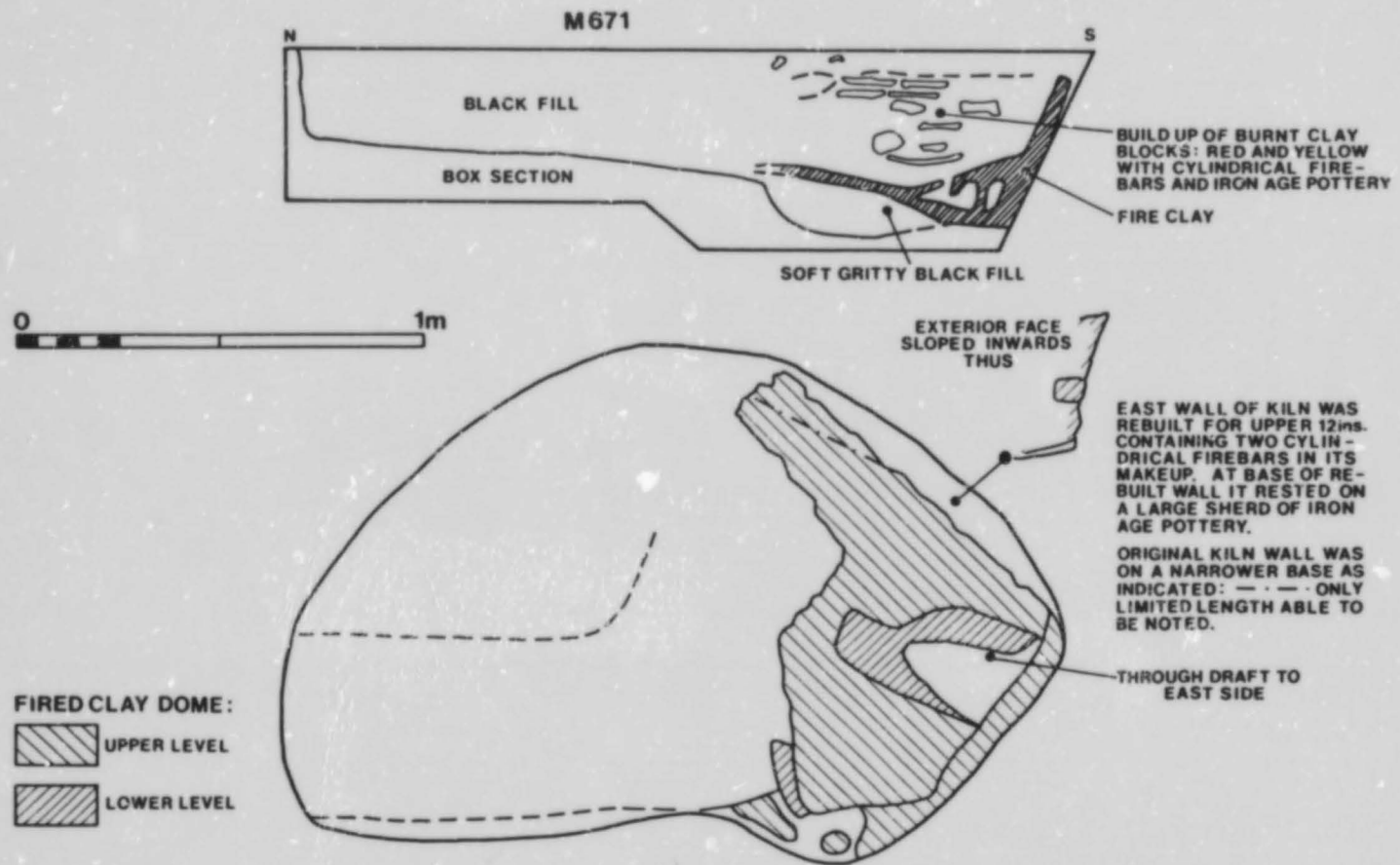


Fig. 114 Sections of phase I.3 features recorded by Macleod

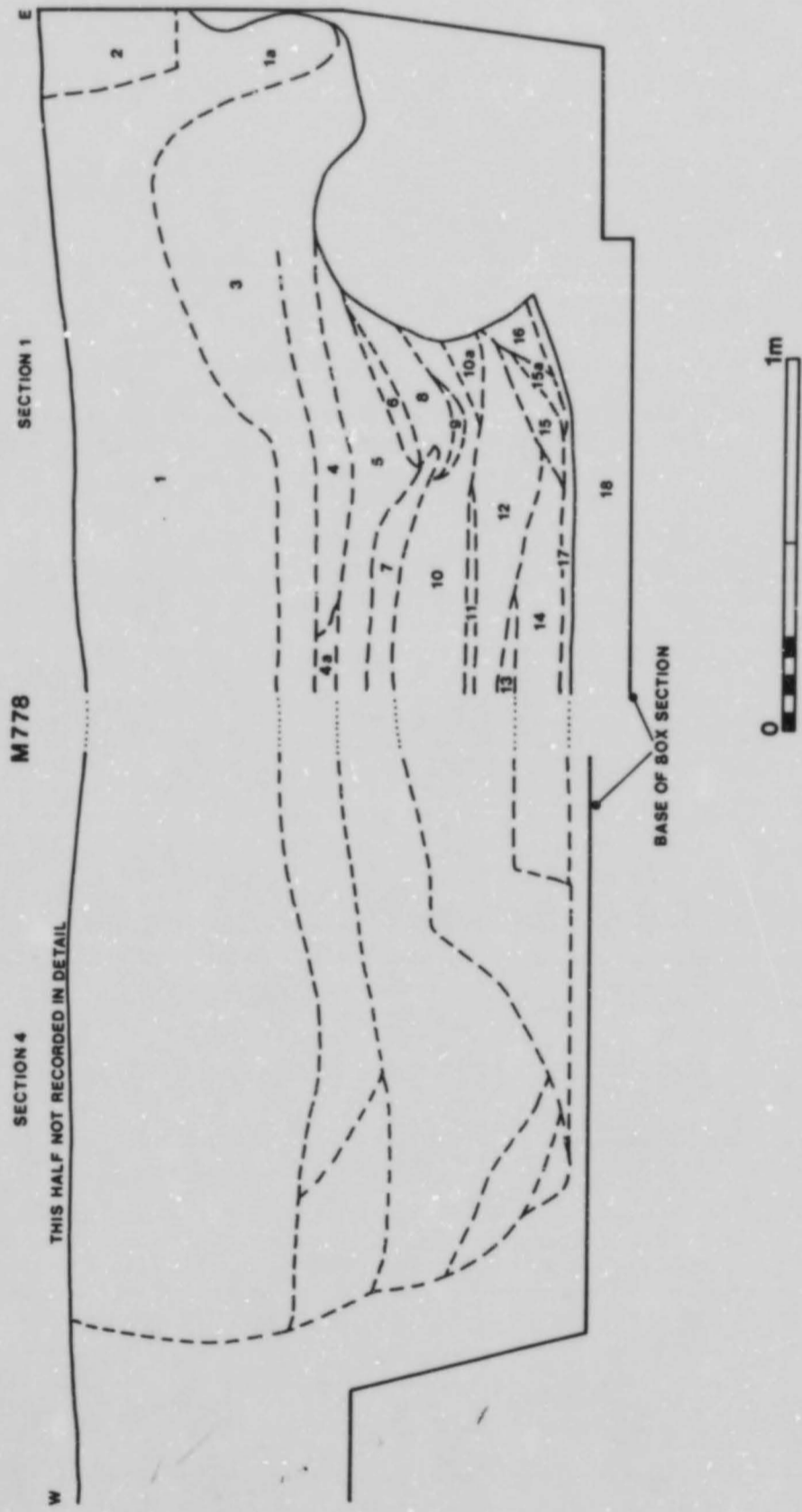


Fig. 115 Sections of phase I.3 features recorded by Macleod

D10

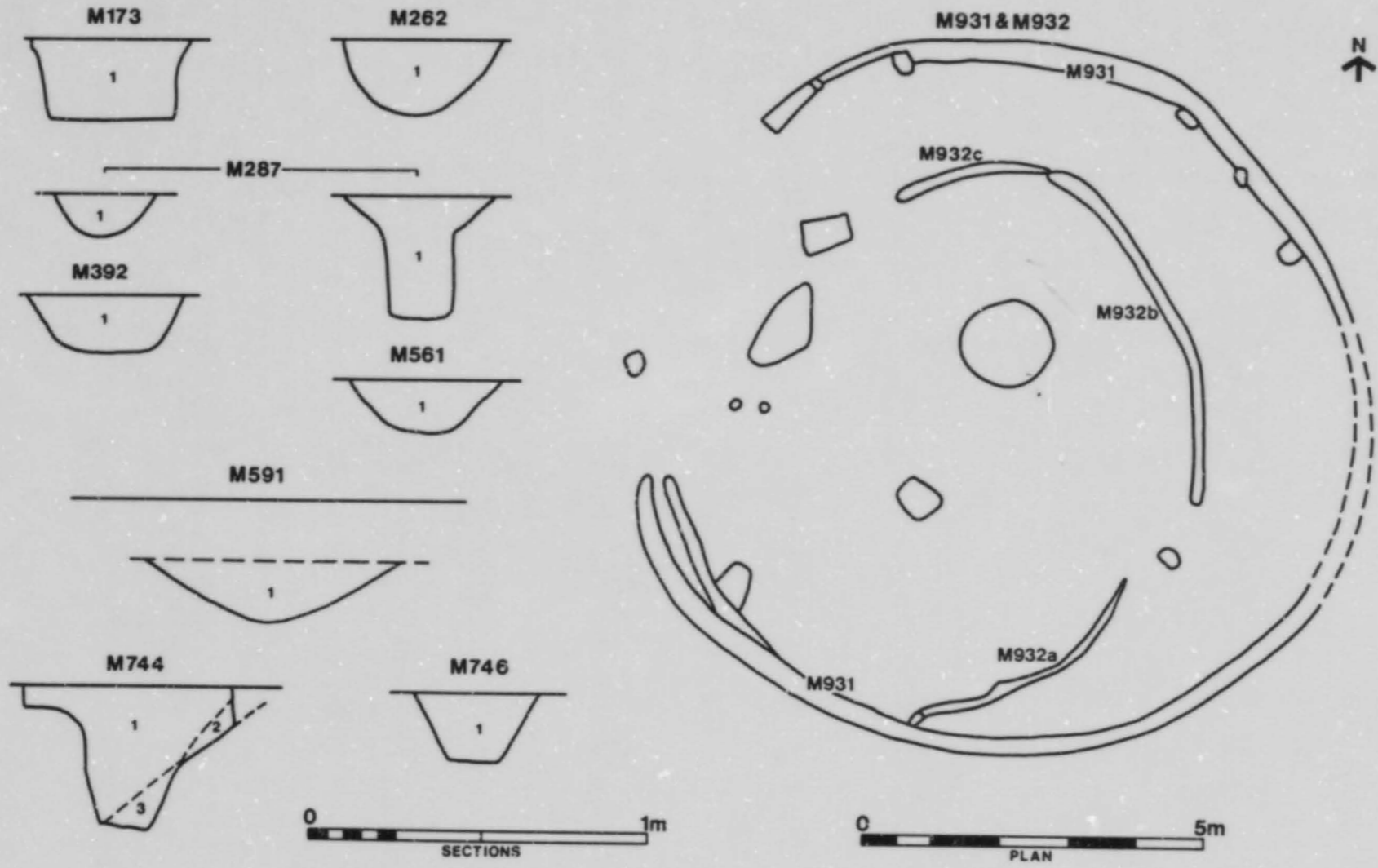


Fig. 116 Plan and sections of phase I.3 features recorded by Macleod

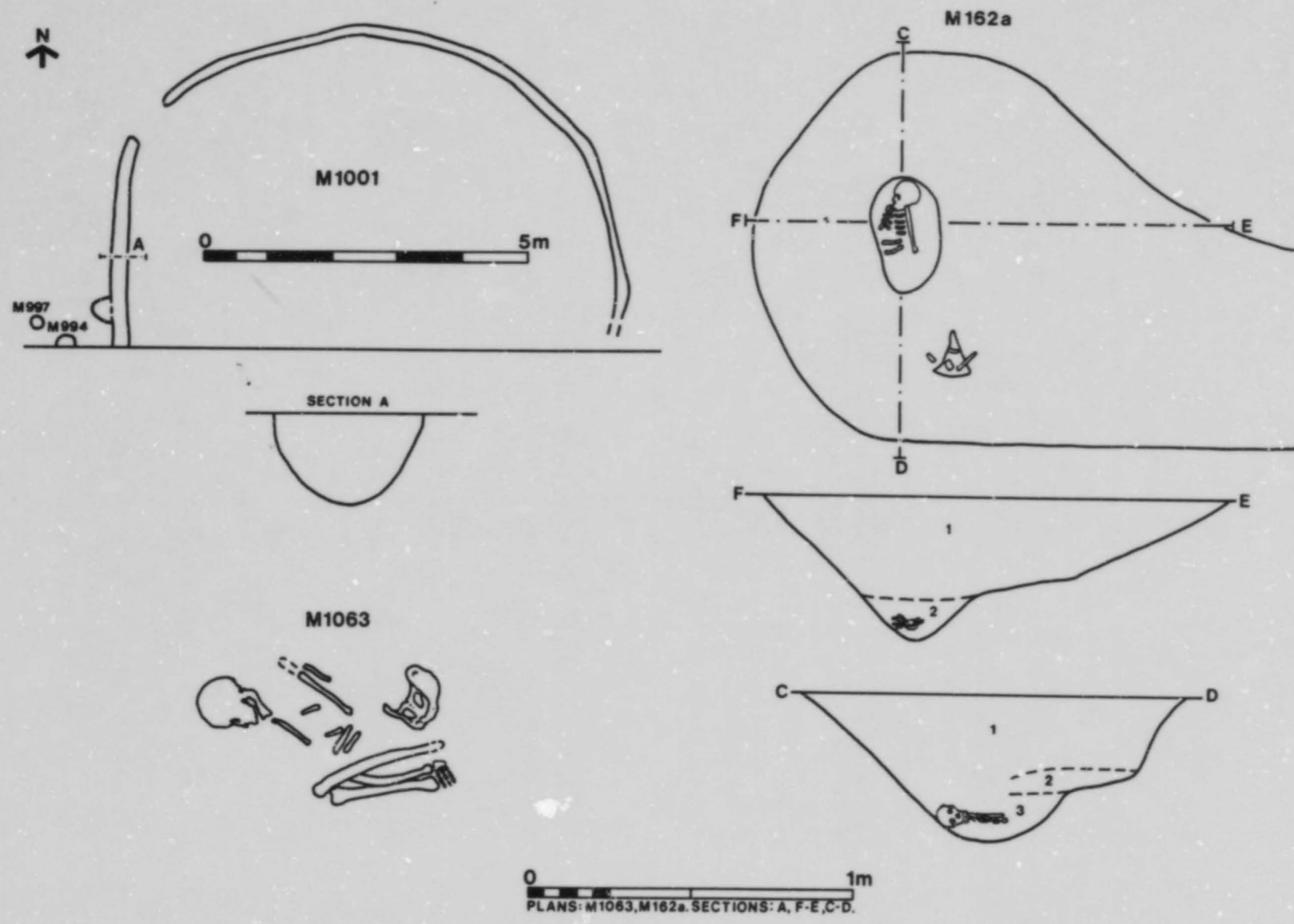


Fig. 117 Plan and sections of phase I.3 features recorded by Macleod

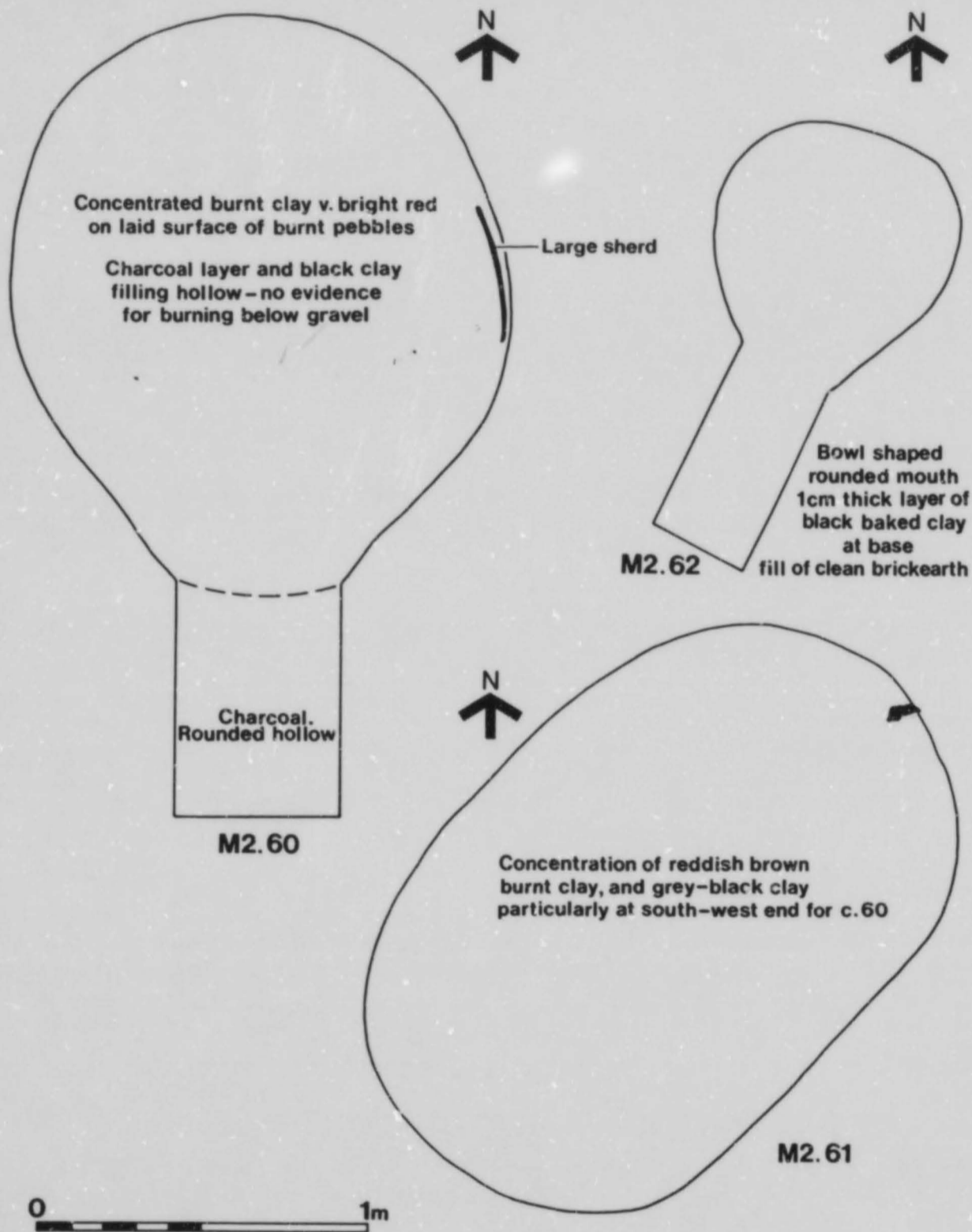
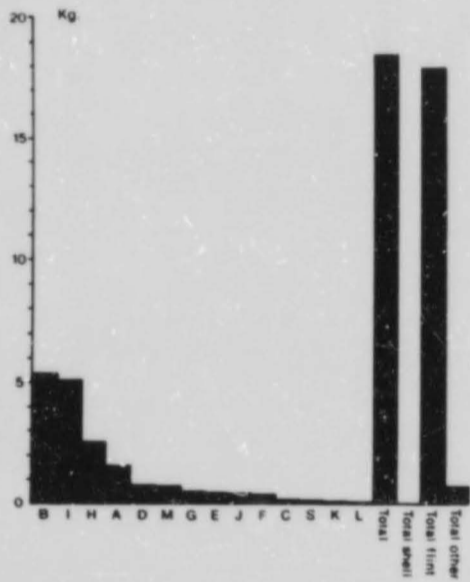
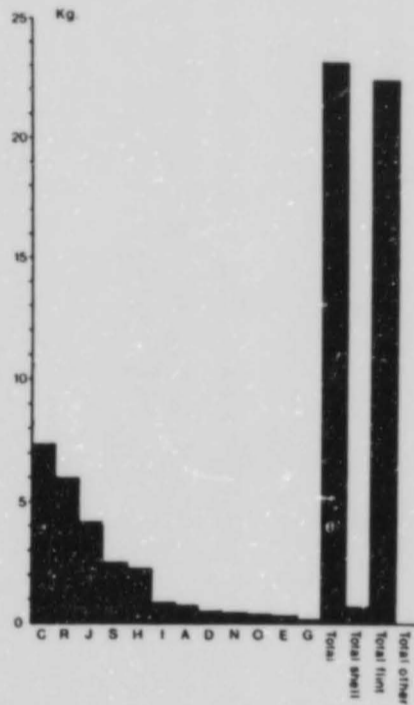


Fig. 118 Plans of phase V features recorded by Macleod

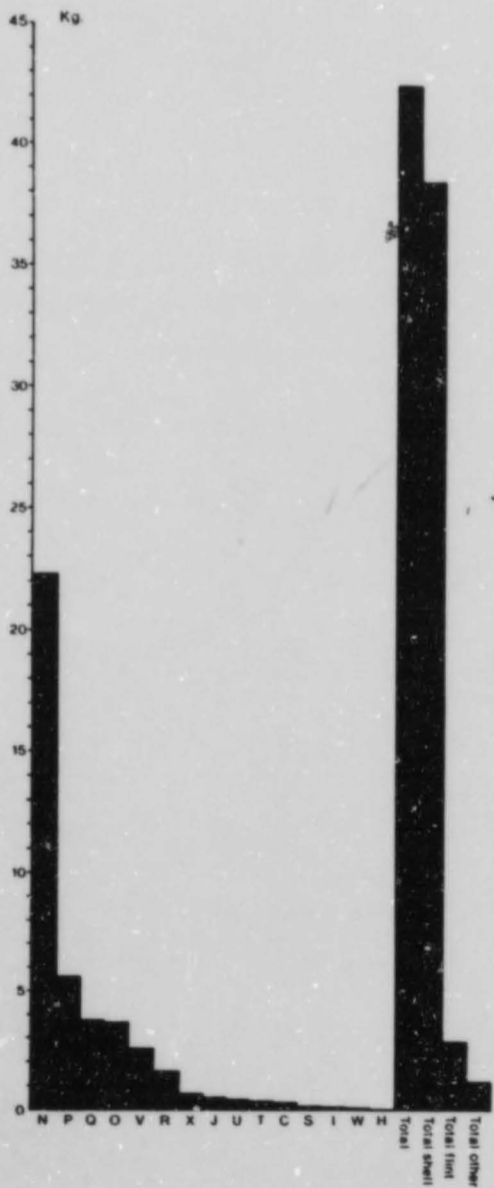
MIDDLE BRONZE AGE Fabrics Present



LATE BRONZE AGE Fabrics Present



EARLY IRON AGE Fabrics Present



MIDDLE IRON AGE Fabrics Present

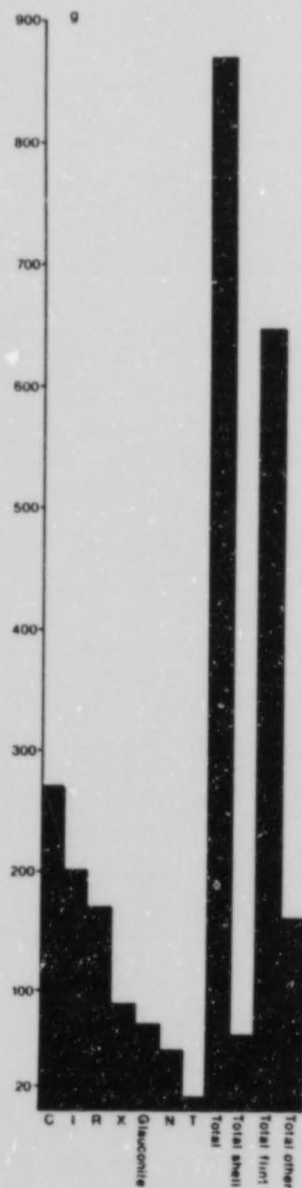


Fig. 119 Prehistoric pottery fabrics

RELATIVE PERCENTAGES OF FABRICS BY PHASE

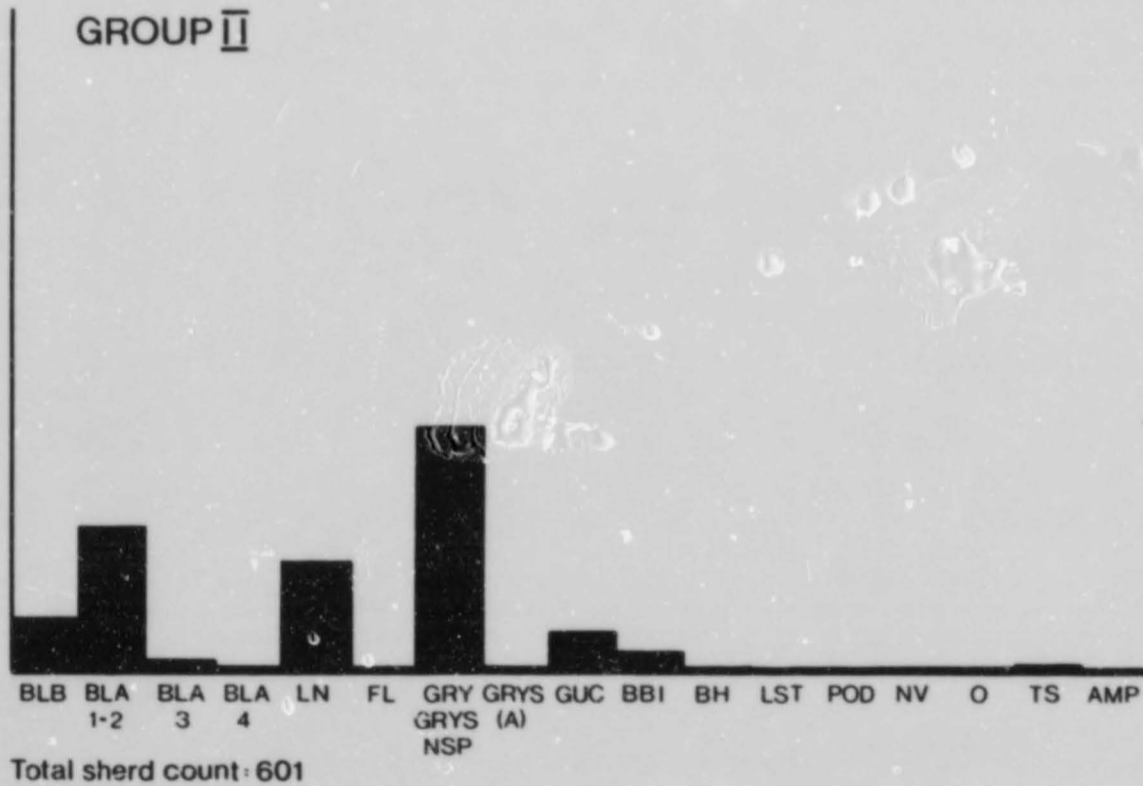
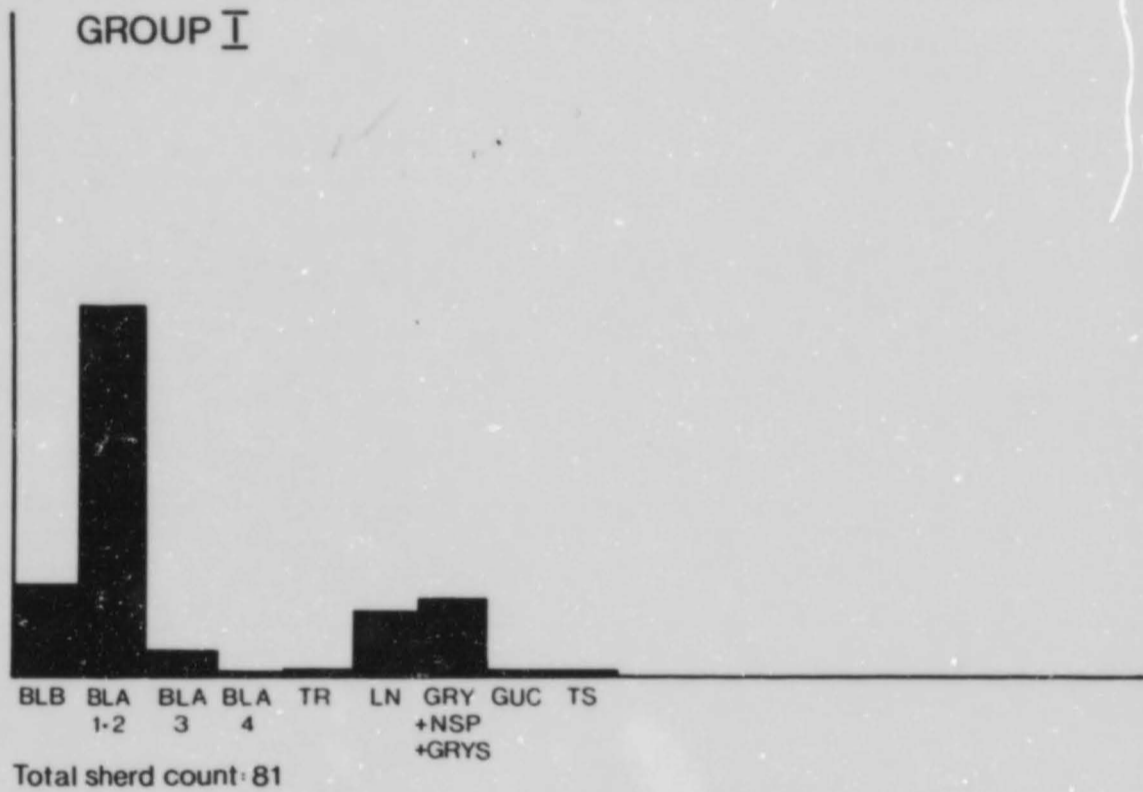
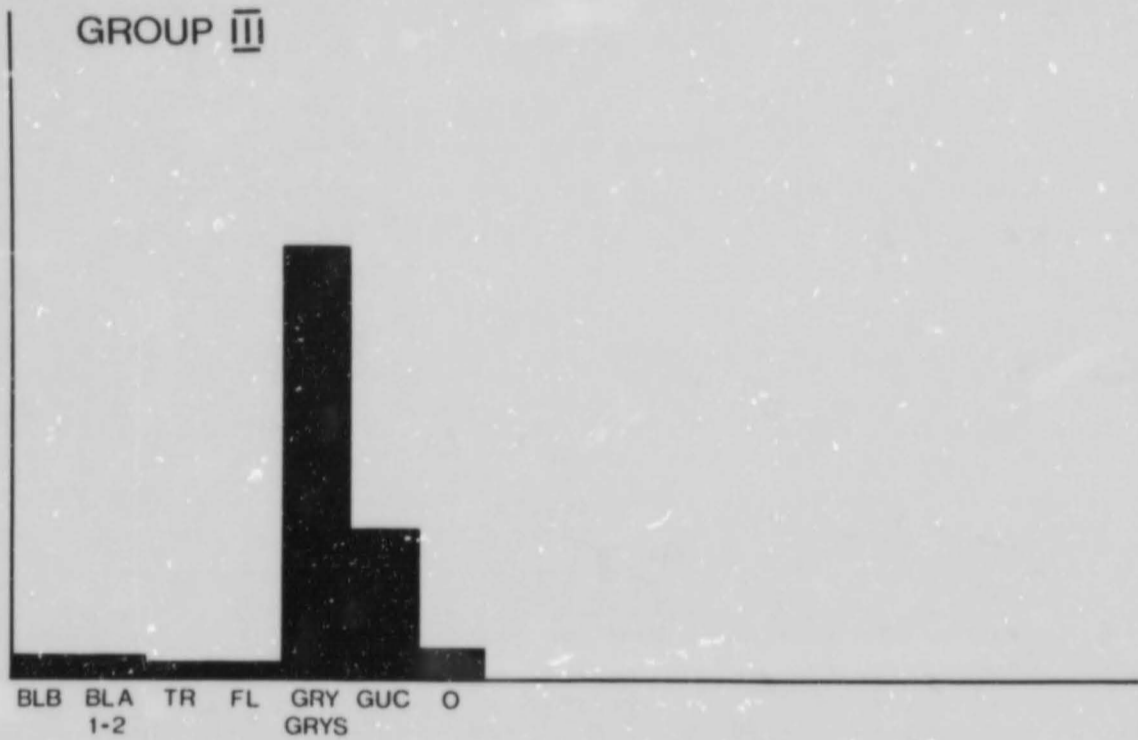
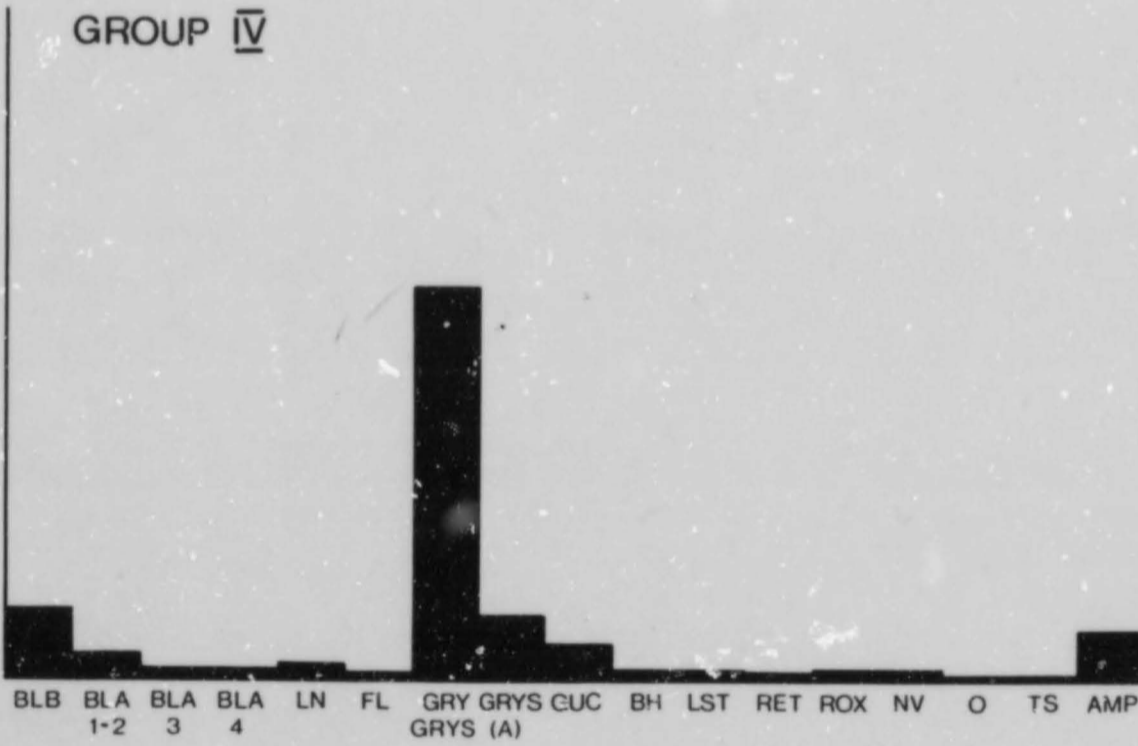


Fig. 120 Roman pottery fabrics



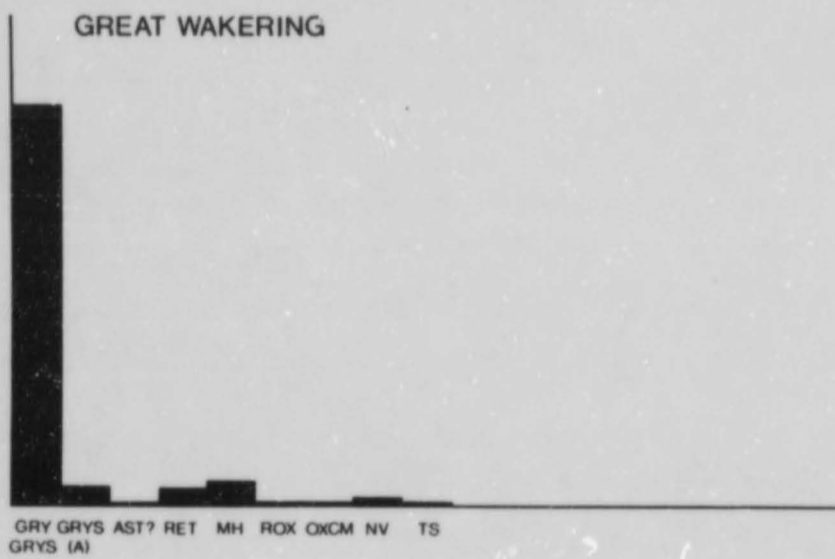
Total sherd count: 70



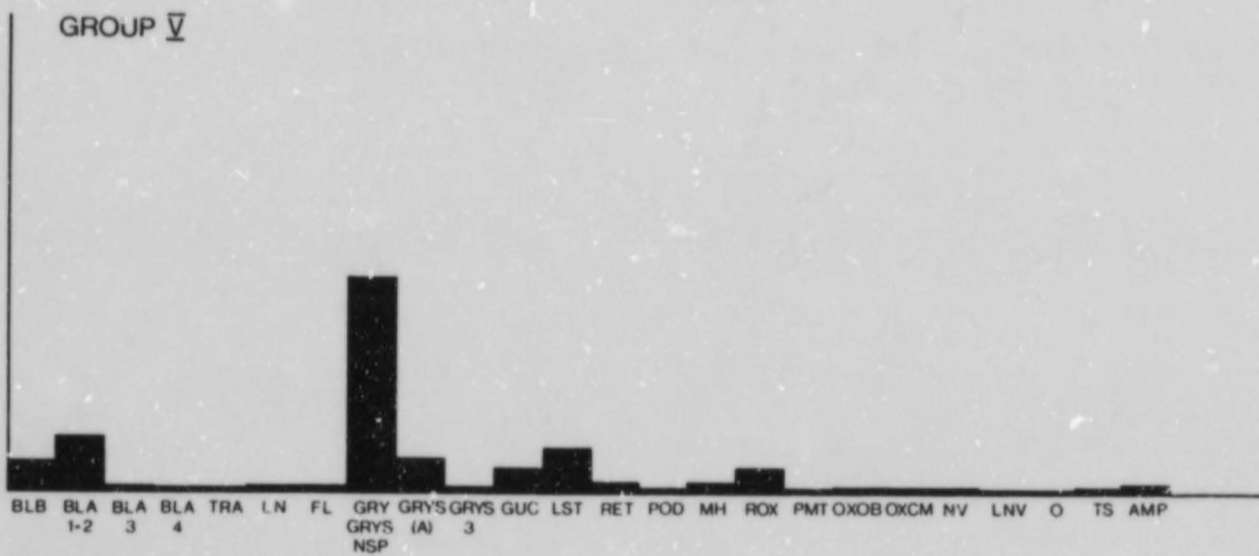
Total sherd count: 520

Fig. 121 Roman pottery fabrics

E1



Total sherd count - 285



Total sherd count - 934

Fig. 122 Roman pottery fabrics

MBA	Middle Bronze Age (Phase I.1)
LBA	Late Bronze Age (Phase I.2)
EIA	Early Iron Age (Phase I.3)
MIA	Middle Iron Age (Phase II.1)
LIA	Late Iron Age (Phase II.2)
R	Roman (Period III)
R1	Roman (Phase III.1)
R2	Roman (Phase III.2)
EM	Early Medieval (Phase V.1)

Table 9 Abbreviations used in animal bone Tables

Period	Feat. No.	Type of Feature	Feat. id.	Freq.* Cranial	Freq. Post-cr.
MBA ⁺	2	pit	1167	9	10
	3	pit	1209	3	1
	4	pit	1202	-	4
	7	ditch	1222	16	22
	8	shallow gully	-	1	3
LBA	1	pit	1428	4	-
	6	pit	1008	-	-
LBA-EIA	21	ditch	1422	11	2
EIA	42	ditch	1596D, F	4	13
MIA	15	ditch	1499	2	2
	16	ditch	1552	1	1
	17	ditch	1553	4	1
	18	rectang. enclosure	1555, 1558	1	-
	19	ditch	1570	4	1
M-LIA	20	ditch	1638	4	7
LIA	9	ditch	1469	19	20
	10	pit	1620	5	5
	11	pit	1617	3	3
	12	ditch	1469	2	4
	13	gully	1607	1	1
	14	ditch	1467	-	2
	22	ditch	1421	11	8
	24	burial	123	11	27
	25	burial	136	8	34
IA-R	23	ditches	1601	9	5
R1	29	ditch	1454	3	-
	30	ditch	1431	9	4
	33	gullies	1413	4	2
	34	ditches	1406	6	5
R2	26	ditch	1470	16	13
	31	ditch	1417	-	-
	32	ditch	1437	17	28
	36	ditch	1015	37	69
	37	ditch	1197	3	5
	38	ditch	1353	1	1
	46	intrusive	1597	-	-
R	27	gully	1609	3	-
	28	gully	1462	3	-
	35	ditch	1596A-C	15	28
	39	ditch	1360	2	-
	40	ditch	1368	11	13
	41	ditch	1369	3	9
EM	43	ditch	0300	27	91
	44	ditch	0343	9	14
	45	ditch	0448	2	10

*These frequencies only include elements common to all taxa. They exclude accessory metapodials and phalanges, fibulae, lateral malleoli, carpals and tarsals (except the astragalus and calcaneum), canines, incisors and 1st premolars. Ruminant phalanges are divided by 2 as are pig central metapodials and phalanges. Cranial bones include: skull fragments with or without teeth and loose teeth.

Table 10 Feature composition for Cow, Sheep/Goat and Pig

Period	Statistic	Horse			Cow			Sheep/Goat			Pig			Total		
		T	%T	B	T	%T	B	T	%T	B	T	%T	B	T	%T	B
MBA	MNI ++	0		0	4		3	4		3	0		1	8		7
	TNT:TNB	0		0	22		19	32		19	0		1	54		39
LBA	MNI	0		0	1**		0	1		0	0		0	2		0
	TNT:TNB	0		0	0		0	3		0	0		0	3		0
LBA-EIA	MNI	0		1	0		1	2		1	2		1	4		4
	TNT:TNB	0		1	0		1	6		0	5		1	11		3
EIA	MNI	0		1	1		1	1		1	0		1	2		4
	TNT:TNB	0		5	1		8	1		1	0		1	2		15
MIA	MNI	0		0	1		0	2		1	1		1	4		2
	TNT:TNB	0		0	1		0	14		3	1		2	16		5
M-LIA	MNI	1		0	1		1	1		0	0		0	3		1
	TNT:TNB	1		0	5		6	3		0	0		0	9		6
*LIA	MNI	2		1	2		2	3		2	3		2	10		7
	TNT:TNB	3		2	10		18	43		17	13		7	69		44
LIA-R	MNI	0		1	2		1	1		0	0		1	3		3
	TNT:TNB	0		2	2		3	7		0	0		2	9		7
R1	MNI	0		1	1		1	2		1	1		1	4		4
	TNT:TNB	0		2	5		5	1		4	9		1	15		12
R2	MNI	1		2	3		5	9		1	2		3	15		11
	TNT:TNB	1		16	28		88	48		9	3		10	80		123
R	MNI	3		1	1		3	4		1	2		1	10		6
	TNT:TNB	14		1	7		26	33		20	5		3	59		50
EM	MNI	0		1	2		4	3		4	7		2	12		11
	TNT:TNB	0		8	6		52	7		36	32		15	45		111
	MNI	7		9	19		22	33		15	18		14	77		60
TOT	TNT:TNB	19	33.9	37	87	27.8	226	198	64.5	109	68	61.3	43	372		415
PRE-R	MNI	3		3	10		8	14		8	6		6	33		25
	TNT:TNB	4	33.3	8	39	42.9	52	102	71.8	40	19	61.3	12	164	112	
Mean %																52.3
R	MNI	4		4	5		9	15		3	5		5	29		21
	TNT:TNB	15	44.1	19	40	25.2	119	82	71.3	33	17	54.8	14	154	185	
Mean %																48.9
EM	MNI	0		1	2		4	3		4	7		2	12		11
	TNT:TNB	0		8	6	10.3	52	7	16.3	36	32	68.1	15	45		111
Mean %																31.6

+T = Teeth; B = Bone; %T = (T/T + B) 100

**If TNT or TNB = 0, but the MNI is greater than 0, then the MNI is based upon elements not included in the TNT or TNB, e.g. I, C, P1

*excludes LIA cremation burials (2 pig vertebral columns)

++TNT - Total number of teeth, excluding incisors, canine, and premolar 1

TNB - Total number of bones, excluding accessory metapodials and phalanges, fibulae, carpals and tarsals except astragalus and calcaneus

Table 11 Tooth:Bone ratios

TAXON	MBA	LBA/EIA	MIA	LIA	R1	R2	R	EM	TOT
Roe deer						1	1		2
Dog	6 [3]	1	1	7 [2]	1	135 [3]	4 [1]	69 [3]	224
Fox						24 [2]			24
Cat				1	1	3 [1]		18 [3]	23
Badger							1		1
Hare						1		1	2
Mole						1			1
Mammal-microfauna				1		4	2	1	8
Bird-unid				2		5	1	13	21
Gallus				17		11(2?)		21(5?)	32-40
gallus						[1]		[3]	
Anser sp.	1					2(2?)		3(1?)	5-9
Duck	1					[1]		[1]	
Corvus sp.				1?				1?	1-3
Buteo						1			1
buteo						1		3	4
Passerine	1				1			(2)	
Anura			2	4				1	3
Microfauna						7		13	26
Total	9	1	3	17	3	204	9	153	399

*Frequencies of bone, jaw bone and loose teeth

[] MNI based upon teeth and bones

? = uncertain identifications; for example (2?) indicates 2 uncertain identifications

Table 12 Frequencies of other taxa

Period	Horse	Cow	Sheep/Goat	Pig	TOT
MBA	0	4 ^o (22):+ 1 @ 16-18m 1 @ 40-50m 2 @ >36m	4(32): 1 @ 3-6m 2 @ 6-12m 1 @ 2-3 y	0	8 (54)
LBA	0	1 (0): 1 @ >14m	1(3): 1 @ 3-6m	0	2 (3)
LBA-EIA	0	0	2(6): 1 @ 2y 1 @ > 2y	2(5) 1 @ 12-14m 1 @ >3y	4 (11)
EIA	0	1(1): 1 @ ≥50m	1(1): 1 @ <2y	0	2 (2)
MIA	0	1(1): 1 @ >1y	2(14): 1 @ 2-4y 1 @ 4-6y	1(1): 1 @ <3y	4 (16)
M-LIA	1(1): 1 @ 2y6m-4y	1(5): 1 @ >5y	1(3): 1 @ 2-4y	0	3 (9)
LIA	2(3): 1 @ 2y6m-4y 1 @ 7y6m-11y	2(10): 1 @ 15-18m 1 @ ≥50m	3(43): 1 @ 1y 1 @ 2y 1 @ 4y	3(13): 1 @ 19-23m 1 @ 23-31m 1 @ 23-35m	9 (69)
IA-R	0	2(2): 1 @ >8m 1 @ >1y	1(7): 1 @ >2y	0	3 (9)
R1	0	1(5): 1 @ >36m	2(19): 1 @ 1-2y 1 @ ≥2y	1	4 (24)
R2	1(1): 1 @ 8-9½y	3(28): 1 @ 1-3y 1 @ >30m 1 @ >50m	11(48): 1 @ 6-12m 1 @ 1y 1 @ ≥2y 1 @ 2y 1 @ 2-3y 3 @ 3-4y 2 @ 4-6y 1 @ 8-10y	2(3): 1 @ 7-12m 1 @ 19-29my	15 (80)
R	3(14): 1 @ 2y prob 1 @ 2-4y 6m 1 @ 8-9y	1(7): 1 @ >3y	5(33): 1 @ 6m-2y 2 @ 1-2y 1 @ 3y 1 @ 4-8y	2(5): 1 @ <30m 1 @ >30m	10 (59)
EM	0	2(6): 1 @ 1-2y 1 @ >5y	3(7): 1 @ 1-2y 1 @ 3-6y 1 @ 8-10y	7(32): 3 @ ≤4m 1 @ 6m appx 1 @ 11-19m 1 @ 19-23m 1 @ >35m	12 (45)
TOT	7(19)	19(87)	33(216)	18(59)	76(381)
PRE- ROMAN	3(4) 2 @ 2½-4y 1 @ 7½-11y	10(39) 2 @ 15-18m 1 @ 3½-4½y 2 @ >3y 2 @ >4y 1 @ >5y 2 @ >1y	14(102) 2 @ 3-6m 2 @ 6-12m 1 @ 1y 1 @ <2y 2 @ 2y 1 @ 2-3y 2 @ 2-4y 1 @ 4y 1 @ 4-6y 1 @ >2y	6(19) 1 @ 12-14m 1 @ 1½-2y 2 @ 2-3y 1 @ <3y 1 @ >3y	
ROMAN	4(15) 1 @ 2y 1 @ 2-4½y 2 @ 8-9½y	5(40) 1 @ 1-3y 1 @ >2½y 2 @ >3y 1 @ >4yr	18(100) 1 @ 6-12m 1 @ 6m-2y 1 @ 1y 3 @ 1-2y 1 @ 2y	4(8) 1 @ 7-12m 1 @ 1½-2½y 1 @ >2½y 1 @ >2½y	

Period	Horse	Cow	Sheep/Goat	Pig	TOT
			1 @ 2-3y		
			1 @ 3y		
			3 @ 3-4y		
			2 @ 4-6y		
			1 @ 4-8y		
			1 @ 8-10y		
			2 @ >2y		
EARLY		2(6)	3(7)	7(32)	
MEDIEVAL		1 @ 1-2yr	1 @ 1-2y	3 @ ≤4m	
		1 @ >5yr	1 @ 3-6y	1 @ 6m	
			1 @ 8-10y	1 @ 11-19m	
				1 @ 19-23m	
				1 @ >3y	

o The MNI for teeth

+ the number in () is the TNT excluding I, C & P1

Table 13 Tooth MNI and ageing for main species

Period		Horse			Cow			Sheep/Goat			Pig			Total		
		C	%C	PC	C	%C	PC	C	%C	PC	C	%C	PC	C	%C	PC
MBA	MNI	0		0	4		3	4		3	0		1			
	FREQ	0		0	17		19.5	15		19	0		1	32	44.8	39.5
LBA	MNI	1		0	1		0	1		0	0		0			
	FREQ	3		0	2		0	2		0	0		0	7	0	0
LBA-	MNI	0		1	1		1	1		1	1		1			
EIA	FREQ	0		1	0		1	4		0	7		1	11	78.6	3
EIA	MNI	0		1	1		1	1		1	0		1			
	FREQ	0		5	4		8	1		1	0		1	5	25.0	15
MIA	MNI	0		0	1		0	2		1	1		1			
	FREQ	0		0	1		0	7		3	5		2	13	72.2	5
MIA-	MNI	1		0	1		1	1		0	0		0			
LIA	FREQ	1		0	2		6	1		0	0		0	4	40.0	6
LIA	MNI	2		1	2		2	3		2	3		2			
	FREQ	4		2	16		18	20		12	10		7.5	50	52.9	44.5
IA-R	MNI	0		1	2		1	1		0	0		1			
	FREQ	0		2	5		3	3		0	0		2	8	57.1	6
R1	MNI	0		1	1		1	2		1	1		1			
	FREQ	0		2	13		5	14		4	3		1	30	71.4	12
R2	MNI	1		2	3		5	9		1	2		3			
	FREQ	2		16	48	35.4	87.5	20	70.2	8.5	7	41.2	10	77	38.7	122
R	MNI	3		1	1		3	4		1	2		1			
	FREQ	11		1	17		26	18		19.5	4		3	50	50.3	49.5
EM	MNI	1		1	2		4	3		4	7		2			
	FREQ	2		8	5		51.5	7	16.3	35.5	28		15	42	28.2	107
TOT	FREQ	23	41.1	37	130	36.6	225.5	112	51	107.5	64	60.1	42.5	329	44.6	412.5
Pre-	MNI	4		3	11		8	13		8	5		6	33		25
Roman	FREQ	8	50.0	8	42	44.4	52.5	50	55.5	40	22	63.8	12.5	122		113
Mean	%														53.4	
Roman	MNI	4		4	5		9	15		3	5		5	29		21
	FREQ	13	40.6	19	78	39.7	118.5	52	61.9	32	14	50.0	14	157		183.5
Mean	%														48.05	
Early	MNI	1		1	2		4	3		4	7		2			
Med.	FREQ	2	20.0	8	5	8.8	51.5	7	16.5	35.5	28	65.1	15	42		107
Mean	%														27.6	

+ See notes for Table 1

Table 14 Cranial and post cranial frequencies and MNI+

	Feat No.	Cow		S/G		Pig		TOT	
		FB*	ULB	FB	ULB	FB	ULB	FB	ULB
MBA	2	4	1	1	4	0	0	5	5
	3	0	0	0	1	0	0	0	1
	4	0	0	2	0	0	0	2	0
	7	5	7	1	7	0	0	6	14
	8	0	3	0	0	0	0	0	3
	Total	9	11	4	12	0	0	13	23
LBA	1	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0
LBA-EIA	21	1	0	0	0	0	1	1	1
MIA	15	0	0	1	1	0	0	1	1
	16	0	0	0	0	0	1	0	1
	17	0	0	0	0	0	1	0	1
	18								
	19	0	0	1	0	0	0	1	0
	Total	0	0	2	1	0	2	2	3
MIA-LIA	20	2	3	0	0	0	0	2	3
LIA	9	7	3	3	3	0	2	10	10
	10	2	0	0	3	0	0	2	3
	11	0	2			0	1	0	3
	12	0	0	2	1	1(+)	0	3	1
	13	0	0	0	0	1	0	1	0
	14	0	2	0	0	0	0	0	2
	22	0	4	1	1	0	0	1	5
	24	0	0	0	0	0	0	0	0
	25	0	0	0	0	0	0	0	0
	Total	9	11	6	10	2	3	17	24
IA-R	23	2	1	0	0	0	2	2	3
R1	29								
	30	1	1	0	1	0	0	1	2
	33	0	0	0	1	0	1	0	2
	34	0	2	0	0	0	0	0	2
	Total	1	3	0	2	0	1	1	6
R2	26	5	2	2	1	0	2	7	5
	31	0	0	0	0	0	0	0	0
	32	10	13	0	0	0	4	10	17
	36	23	36	1	2	0	1	24	39
	37	2	1	1	1	0	0	3	2
	38	0	0	1	0	0	0	1	0
	46								
	Total	40	52	5	4	0	7	45	63
R	27	0	0	0	0	0	0	0	0
	28	0	0	0	0	0	0	0	0
	35	8	5	4	4	0	3	12	12
	39								
	40	1	9	0	1	0	0	1	10
	41	2	1	1	5	0	0	3	6
	Total	11	15	5	9	0	3	16	28
EM	43	9	32	13	16	6(5+)	6	28	54
	44	2	3	0	3	0	0	2	6
	45	1	3	0	2	0	0	1	5
	Total	12	38	13	21	6	6	31	65
EIA	42	2	4	0	1	0	1	2	6

*FB - foot bone, including carpals, tarsals, metapodials, phalanges

ULB - upper limb bones, including scapulas, humeri, radii, ulnae, femura, tibiae

Table 15 Comparison of frequencies of foot bones to upper limb bones

Chronology	Part	Bos		Sheep/Goat		Pig*		Total		Mean %
		Freq	%	Freq	%	Freq	%	Freq	%	
PRE- ROMAN	W	15	24.6	3	7.0	3	23.1	21	17.9	18.2
	P	10	16.4	5	11.6	0	0	15	12.8	9.3
	D	14	23.0	10	23.3	4	30.8	28	23.9	25.7
	S	10	16.4	21	48.8	2	15.4	33	28.2	26.9
	F	12	19.7	4	9.3	4	30.8	20	17.1	19.9
	Total	61		43		13		117		
ROMAN	W	41	30.1	3	10.3	3	21.4	47	26.2	20.6
	P	24	17.6	3	10.3	1	7.1	28	15.6	11.7
	D	32	23.5	4	13.8	5	35.7	41	22.9	24.3
	S	15	11.0	18	62.1	1	7.1	34	19.0	26.7
	F	24	17.6	1	3.4	4	28.6	29	16.2	16.5
	Total	136		29		14		179		
EARLY MEDIEVAL	W	14	25.5	6	16.7	11	57.9	31	28.2	33.4
	P	9	16.4	3	8.3	1	5.3	13	11.8	10.0
	D	10	18.2	7	19.4	2	10.5	19	17.3	16.0
	S	17	30.9	19	52.8	4	21.1	40	36.3	34.9
	F	5	9.1	1	2.8	1	5.3	7	6.4	5.7
	Total	55		36		19		110		
TOTAL	W	70	27.8	12	11.1	17	37.0	99		
	P	43	17.1	11	10.2	2	4.3	56		
	D	56	22.2	21	19.4	11	23.9	88		
	S	4	16.7	58	53.7	7	15.2	107		
	F	41	16.3	6	5.6	9	19.6	56		
	Total	252		108		46		406		

W - whole

P - proximal

D - distal

S - shaft - a piece of bone is categorised as shaft if it is greater than approximately 1/4 of the shaft. If it is less it is categorised as fragment.

F - fragment

+ excludes skull and pelvis bones

* the pig bones from the LIA cremation burial are not included.

Table 16 Bone preservation state+

	COW			S/G			PIG			TOT		
	FBC	%FBC	UL	FBC	%FBC	UL	FBC	%FBC	UL	FBC	%FBC	UL
MBA	26	70.3	11	19	61.3	12	0	-	0	45	66.2	23
LBA	2	100.0	0	2	100.0	0	0	-	0	4	100	0
LBA-EIA	1	100.0	0	4	100.0	0	7	87.5	1	12	92.3	1
EIA	6	60.0	4	1	50.0	1	0	-	1	7	53.8	6
MIA	1	100.0	0	9	90.0	1	5	71.4	2	15	83.3	3
M-LIA	4	57.1	3	1	100.0	0	0	-	0	5	62.5	3
LIA	25	69.4	11	26	72.2	10	12	80.0	3	63	72.4	24
IA-R	7	87.5	1	3	100.0	0	0	-	2	10	76.9	3
R1	14	82.4	3	14	87.5	2	3	75.0	1	31	83.8	6
R2	88	62.9	52	25	86.2	4	7	50.0	7	120	65.6	63
R	28	65.1	15	23	71.9	9	4	57.1	3	55	67.1	27
EM	17	30.9	38	20	48.8	21	34+	85.0	6	71	52.2	65
							(30.3)	(83.5)	(6)			
PRE-ROMAN	65	69.1	29	62	72.1	24	24	77.4	7	151	71.6	60
ROMAN	130	65.0	70	62	80.5	15	14	56.0	11	206	68.2	96
EM	17	30.9	3	20	48.8	21	34	85.0	6	71	52.2	65
TOT	219	61.3	138	147	71.0	60	72	73.5	26	438	66.2	224

UL includes all upper limb bones, including scapula, humerus, radius, ulna, femur, tibia - the main meat bearing bones

FBC includes loose teeth, pieces of jaw with and without teeth, all loose teeth, horn cores, metapodials, carpals, tarsals and phalanges. Horn cores are included because pig skull bone is easier to identify than that of sheep/goat or cow.

+ includes 5 metapodials which, if divided by 4, give the proportions in brackets

Table 17 Comparison of the proportions of cranial bones and foot bones to that of upper limb bones

Age	Pre-Roman		Roman	Early Medieval	
0-1	4	30.8	1	5.9	0
1-2	3	23.1	5	29.4	1
		(33.3)+		(31.3)	
2+	6	46.2	11	64.7	2
		(66.7)		(68.8)	
0-1	4	30.8	1	6.7	0
1-3	5	38.5	7	46.7	1
		(55.5)		(50.0)	
3+	4	30.8	7	46.7	2
		(44.4)		(50.0)	

Age breakdown in a living population based on Dahl and Hjort (1976)

Age	Male and female	Male
0-1	42%	21%
1-2	16%	8%
	(27.6)	
2+	42%	3%
	(72.4)	

+ the % in brackets compares the last two age classes

Table 18 Sheep/goat mortality patterns

Element	Period	Taxon	Mark no. and description	Possible cause	
Mandible	MBA	horse/cow	2 - knife cut*	dismembering	
	R2	cow	1 - knife cut	dismembering (B)	
Antler	R	roe deer	3 - knife cut	-	
Cervical vert.	EM	small ungu.	6 - chopped through	cutting into sides	
Atlas	EM	sheep/goat	6 - chopped through	cutting into sides	
Thoracic	R2	horse/cow	5 - chopped through	dismembering	
	R	horse/cow	5 - chopped through	dismembering	
Lumbar vert.	LIA	horse/cow	5 - chopped through	dismembering	
	LIA	pig	4 - chopped through	filleting (11 vert. from 2 individuals from burials)	
	EM	horse/cow	4 - chopped through	filleting	
	EM	horse/cow	4 - chopped through	filleting	
Sacrum	EIA	cow	7 - chopped through	-	
Rib	LBA	medium animal	9 - knife cut	possibly gutting	
	EIA	large animal	11 - chopped through	secondary butchery	
	R2	medium animal	12 - chopped and cut	dismembering and perhaps secondary butchery	
		medium animal	11 - chopped through	secondary butchery	
		medium animal	11 - chopped through	secondary butchery	
		large animal	9 - knife cut	possibly gutting	
		large animal	9 - knife cut	possibly gutting	
		large animal	9 - knife cut	-	
		large animal	11 - chopped through	secondary butchery	
		large animal	11 - chopped through	secondary butchery	
		R	medium animal	9 - knife cut	possibly gutting
		R	large animal	9 - knife cut	possibly gutting
		R	large animal	9 - knife cut	possibly gutting
		R	large animal	9 - chopped	-
		R	large animal	11 - chopped through	secondary butchery
		R	large animal	11 - chopped through	secondary butchery
	R	large animal	11 - chopped through	secondary butchery	
	EM	medium animal	11 - chopped through	secondary butchery	
	EM	medium animal	11 - chopped through	secondary butchery	
	EM	large animal	9 - knife cut	possibly gutting	
	EM	large animal	9 - knife cut	possibly gutting	
	EM	large animal	10 - chopped through	secondary butchery	
Scapula	M-LIA	cow	20 - chopped through	-	
	R1	cow	17 - chopped	filleting	
	R2	cow	23 - knife cut	dismembering (B)	
		cow	18 - knife cut	dismembering and filleting	
		cow	13 - knife cut	dismembering	
		R	horse	22 - knife cut	dismembering and filleting?
	R	horse/cow	21 - knife cut	filleting (B)	
	R	sheep/goat	14 - knife cut	filleting?	
	EM	cow	13 - knife cut	dismembering	
Pelvis	R1	cow	29 - chopped through	dismembering	
		sheep/goat	27 - chopped	dismembering (B)	
	R2	cow	31 - knife cut	gutting?	
		cow	32 - chopped through	dismembering?	
	R	horse/cow	29 - chopped through	dismembering?	
	R	cow	28 - chop and cut marks	dismembering (B)	
	R	sheep/goat	27 - knife cut	dismembering (B)	
Humerus	MBA	sheep/goat	34 - knife cut	dismembering (B)	
	MBA	sheep/goat	34 - scratched	dismembering (B)	
	R2	cow	35 - cut and sawn or chopped	dismembering and splitting for marrow?	
	R2	cow	37 - cut and shaved	filleting (B)	
	EM	cow	33 - chopped through	dismembering?	
	EM	cow	33 - chopped through	dismembering?	
Radius	R2	cow	41 - chopped	dismembering?	
	R	cow	42 - chopped	dismembering (B)	
Ulna	EM	cow	40 - chopped	dismembering (B)	
	MBA	cow	44 - chopped	dismembering (B)	
	R2	cow	46 - knife cut	dismembering (B)	
	R	cow	48 - chopped through	dismembering?	

Element	Period	Taxon	Mark no. and description	Possible cause
Femur	R	cow	51 - chopped	dismembering (B)
		sheep/goat	49 - knife cut	filleting?
Tibia	EM	cow	50 - knife cut	filleting (B)
	LPRIA	cow	55 - chopped	filleting (B) ?
	R	cow	54 - chopped	dismembering (B)
Metatarsal V	EM	cow	56 - swan	dismembering
	R2	fox	59 - knife cut	skinning?
Metat. III+IV		cow	58 - knife cut	dismembering (B)
			59 - knife cut	skinning?
Astragalus	R	cow	63 - knife cut	dismembering (B)
	EM	cow	64 - knife cut	dismembering (B)
Calcaneus	MBA	cow	60 - knife cut	dismembering (B)
	R2	cow	61 - knife cut	filleting (B)
	L	cow	62 - chopped through	dismembering
Phalange I	R2	cow	65 - knife cut	-
			65 - knife cut	-

* Knife cuts are defined here as straight, narrow cuts, the angle of which is acute. 'Chop marks' are broader and sometimes deeper, apparently made with a cleaver or some such heavy chopping tool. 'Chopped' implies that a heavy tool was used, but also that the bone was not cut entirely through. 'Chopped through' implies that the blow of the tool cut the bone into at least two pieces. 'Sawn' bones show evidence of the fine parallel lines caused by sawing.

Table 19 Butchery marks

Excavations at North Shoebury		Microfiche		Excavations at North Shoebury		Microfiche		Excavations at North Shoebury		Microfiche		Excavations at North Shoebury		Microfiche		Excavations at North Shoebury		Microfiche		Excavations at North Shoebury		Microfiche		
1	2+++	3	4	5	6	7	8*	9	10	11	12**	13	14+	15	16++	17	18	19	20	21	22	23	24	25
PERIOD	FEATURES DEPOSIT	VOL. OF INORG (m ³)	FREQ. /m ³ ARTIFACTS	INORG SHERDS	FREQ. /m ³	SHERDS ANAT.	TOT. FREQ. ANAT. ELEM (ident)	FREQ. ELEM/m ³	FREQ. UNID. FRAG.	FREQ. UNID/m ³	% IDENT ANAT. ELEM	TOT. FREQ. SKEL. ELEM. (INCL. UNIDENT)	% UNID. FRAG.	TOT. FREQ. ANAT. ELEM/m ³ (13/m ³)	% ANAT. ELEM (13/4)/m ³	FREQ. INORG + BONE/m ³ (INCL. UNIDENT)	FREQ. MARINE MOLLUSC SHELLS	SHELL + BONE/m ³ (13+18/m ³)	% SHELL + BONE SHELL: 13+18 IN ORG/m ³	FREQ. BONE	WT. IDENT. BONE (gm)	WT. UNID. BONE (gm)	TOT. WT. BONE (gm)	FREQ. INORG/WT. BONE 4/24
MBA	2-4 7,8	3.18	101	31.8	51	16.0	162	50.9	95	29.9	61.6	257	37.0	80.8	71.8	112.6	46 (Feat 2)	95.3	75.0	127.0	2883.2	186.5	3069.7	.03
LBA	1.6	.35	59	168.6	35	100.0	37	105.7	29	82.9	38.5	66	43.9	188.6	52.8	357.1	-	188.6	52.8	357.1	217.5	53.9	271.4	.22
LBA -EIA	21	.93	47	50.5	44	47.3	20	21.5	10	10.8	29.9	30	33.3	32.3	39.0	92.8	-	32.3	39.0	82.8	434.4	60.0	494.4	.10
MIA	15-19	1.44	365	253.5	103	71.5	41	28.5	38	26.4	10.1	79	48.1	54.9	17.8	308.3	-	54.9	17.8	308.3	351.0	115.7	466.7	.78
M-LIA	20	2.62	21	8.0	18	6.9	19	7.3	7	2.7	47.5	26	26.9	9.9	55.3	17.9	-	9.9	55.3	17.9	1059.4	77.2	1136.6	.02
LJA	9-14,22	8.18	570	69.7	337	41.2	188	23.0	119	14.5	24.8	307	38.8	37.5	35.0	107.2	3	37.9 (Feat 9)	35.2	107.6	3607.3	408.4	4015.7	.14
IA-R	23	.55	26	47.3	20	36.4	29	52.7	80	145.5	52.7	109	73.4	198.2	80.7	245.5	-	198.2	80.7	245.5	234.0	169.6	403.6	.06
R1	29,33, 34	1.59	122	76.7	102	64.2	41	25.8	21	13.2	25.2	62	33.9	39.0	33.7	115.7	-	39.0	33.7	115.7	832.4	70.2	902.6	.14
R2	26,31 32,36 37,38	20.48	1145	55.9	885	43.2	711	34.7	311	15.2	38.3	1022	30.4	49.9	47.2	105.8	1947 (Feat 36, 37)	145.0	72.1	200.9	12500.6	2376.8	14877.4	.08
R	39	.20	13	65.0	10	50.0	17	85.0	1	5.0	56.7	18	5.6	90.0	58.1	155.0	-	90.0	58.1	155.0	86.4	4.5	90.9	.14
EM	43,45	21.76	444	20.4	314	14.4	367	16.9	58	2.7	45.3	425	43.6	19.5	49.0	39.9	518 (Feat 43)	43.3	58.0	63.7	8390.0	287.7	8677.7	.05
TOT	-	61.28	2913	47.5	1919	31.3	1632	26.6	769	12.5	35.9	2401	32.0	39.2	45.2	86.7	2514	80.2	52.8	127.7	30596.2	3811.5	34407.7	.08
PRE- ROMAN	-	16.70	1163	69.6	588	35.2	467	28.0	298	17.8	28.6	765	39.0	45.8	39.7	115.4	49	48.7	41.1	118.4	8552.8	902.7	9455.5	.12
ROMAN	-	22.27	1280	57.5	997	44.8	769	34.5	333	15.0	37.5	1102	30.2	49.5	46.3	107.0	1947	136.9	70.4	194.4	13419.4	2451.5	15870.9	.08
EARLY MED.	-	21.76	444	20.4	314	14.4	367	16.9	58	2.7	45.3	425	43.6	19.5	49.0	39.9	518	43.3	58.0	63.7	8390.0	287.7	8677.7	.05

*anatomical element - a piece, whole or broken, of bone, jawbone with or without tth, loose tth. Identifiable - means identifiable to anat. elem.

+++ this analysis could only be carried out for features for which the volume of the deposit excavated could be established.

14+ = (10/13) x 100 16++ = (12/13+4)x100 17** = (8/8+4)x100

Table 20 The Relative quantities of organic and inorganic remains

Animal Bone Report Appendix 1

Horse - anatomical element representation

ELEMENT & PART	MBA	LBA	LBA- EIA	EIA	MIA	M- LIA	LIA	IA-R	RI	R2	R	EM	TOT**
MANDIBLE													(9)
WHOLE													1
VERT. RAMUS												1	1
HORIZ. RAMUS		1					1				1	1	4
FRAG.		2									1		3
CRANIUM FRAG										1	6		7
ATLAS 7½													11
SCAPULA													(2)
DT + ½ SH											1		1
DT + ¼ SH							1						1
PELVIS (INNOMINATE)									1	1			(3)
>½													2
<½													1
HUMERUS - DIST				1									1
RADIUS													(8)
WHOLE										0+3 ⁺			3
PROX				1						1*		2	4
DIST				1									1
FEMUR - WHOLE										0+1		1	
TIBIA (†)													(6)
DIST				1					0+1	0+3			5
SH				1									1
MC II - WHOLE										1		1	(2)
MC III (CANNON)													(3)
WHOLL							1			1		1	3
MC IV													(2)
WHOLE												1	1
PR										1			1
MT III - WHOLE													(2)
							1					1	2
MT IV - WHOLE												1	1
CARPALS										4		1	5
ASTRAGALUS - WHOLE										3			3
CALCANEUM - WHOLE										0+1			1
SESAMOID - WHOLE								1					1
TOTAL	0	3	1	5	0	0	3	2	2	21	10	11	58

- † The second number in a column is for unfused specimens
- * Longitudinally split
- ? epiphysis
- * diaphysis - epiphysis fusing
- * diaphysis - epiphysis unfused
- * ulna fused to radius
- + new born/foetal
- ** element total in parentheses

Animal Bone Report Appendix 2

Cow - anatomical element representation

ELEMENT & PART	MBA	LBA	LBA-EIA	EIA	MIA	M-LIA	LIA	IA-R	R1	R2	R	EM	TOT **
MANDIBLE	(2)	(1)		(1)		(1)	(7)	(1)	(1)	(13)	(3)		(30)
WHOLE OR ALMOST WHOLE	1					1				1			3
VERT. RAMUS							2	1		3			6
HORIZ. RAMUS	1			1			4		1	5			12
FRAG.		1					1			4	3		9
CRANIUM FRAG	2			2			3	1	1	14	3	2	(28)
HORNCORE	(3)						(2)			(4)	(3)	(1)	(13)
>½							2			1	2		5
<½	3									3	1	1	8
ATLAS						(2)				(1)			(3)
>½						1				1			2
<½						1							1
VERTEBRAE				(3)								(3)	(6)
>½				3								2+1	3
<½													
CENTRUM													
SACRUM >½					1							1	(2)
SCAPULA	(3)			(3)		(2)	(4)		(1)	(9)	(1)	(7)	(30)
DIST	1			1		1	2		1	6*	1	5	18
SHAFT	1			1		1	1*			2		2	8
FRAG	1			1			1			1			4
PELVIS				(1)					(2)	(4)	(1)	(4)	(12)
ILIUM												2	2
ACETABULUM				1					1	3	1	2	8
PUBIS									1				1
ACET + ISCH										1			1

F2

F3

HUMERUS				(1)	(1)		(6)	(1)	(7)	(16)
	PROX						1			1
	DIST			1			3*+1	1	2	8
	SH				1		1		5	7
RADIUS		(2)		(1)		(1)	(9)	(3)	(7)	(24)
	WHOLE	1		1		+1		+1 ^x	+1 ^x	5
	PROX	1*					6*		6*	14
	DIST						1*+1	2**		4
	FRAG						1			
ULNA		(2)			(1)		(5)	(2)	(5)	(15)
	WH	1								1
	PR				1		3	1	1	6
	DT	2								2
	SH						1	1#	3	5
	FR						1		1	2
FEMUR					(3)	(1)	(13)	(4)	(6)	(27)
	PRCX						+5**		1	6
	DIST				0+2?	+1	+2?*	1+2*	1	9
	SH				1		4*		4	9
	FRAG						2	1		3
TIBIA		(4)			(1)	(1)	(10)	(5)	(6)	(27)
	PROX						2**?+2		1*	5
	DIST	2			1		3+1?	3	1	11
	SH	2					2**	2**	4	10
	FRAG					1				1
LAT MALLEOLUS							1			(1)
PATELLA							(2)			(2)
	>½						1			1
	<½						1			1
MAIN METAP							(4)	(1)	(1)	(6)
	PR									
	DT						1*+1?			2
	FR						2	1	1	4

MC III + IV	(5)		(1)		(3)	(1)		(8)	(3)	(3)	(24)	
WH								1		2	3	
PR	4					1		5***	1		11	
DT			1					1	1		3	
SH					2			1			3	
FR	1				1				1	1	4	
MT III + IV	(2)				(3)	(1)		(7)			(13)	
WH					1			2+1 ^x			4	
PR	2				1	1		2			6	
DT								1			1	
SH					1			1			2	
CARPALS >½								1		1	2	
ASTRAG >½					1				4	2	310	
CALC	(1)		(1)	(1)				(2)	(2)	(1)	(8)	
>½	1							1+1	1	1	6	
<½			1						1		2	
NAVIC CUB >½					1		1	1		2	5	
TARSALS >½						1		2			3	
SESAMOID								1			1	
1ST PHAL	(1)				(1)			(4)	(2)	(1)	(9)	
WH	1							4	2	1	8	
>½												
Long Spl.					1						1	
2ND PHAL - WH					1			1			2	
3RD PHAL - WH								2	1		3	
TOTAL	27	1	1	14	8	32	5	8	128	37	61	322

FL

See Appendix 1 for footnotes

Animal Bone Report

Appendix 3 Sheep/Goat - anatomical element representation

ELEMENT & PART	MBA	LBA	LBA-EIA	EIA	MIA	M-LIA	LIA	IA-R	R1	P2	R	EM	TOT **
MANDIBLE	(8)	(2)	(1)		(3)		(5)	(1)	(2)	(11)	(4)	(4)	(41)
WHC - JR ALMOST WHOLE	2		1		1				1	1			6
VERT. RAMUS													
HORIZ. RAMUS	3	1			1		4			8	4	3	24
FRAG.	3	1			1		1	1	1	2		1	11
CRANIUM FRAG	1		1			1	3	1	1				8
HORN CORE	(4)						(1)					(1)	(6)
>½	1											1	2
<½	3						1						4
ATLAS	(1)											(1)	(2)
>½												1	1
<½	1												1
SCAPULA	(1)						(2)				(1)	(4)	(6)
DIST							1				1		2
SHAFT	1						1+					4	6
PELVIS	(2)							(2)			(2)	(3)	(9)
INNOMINATE											1	3	4
ACET	1							1			1		3
ACET + ISCH													
ACET + TLIU								1					1
ISCH	1												1
HUMERUS	(5)						(3)				(4)	(2)	(14)
WH												+1 ^{xx}	1
DT	3						+1				1	1	6
SH	2*						2				3**		7
RADIUS	(5)			(1)	(1)		(3)		(1)	(3)	(2)	(5)	(21)
PR	1						1+					1	3
DT					1								1
SH	4			1			2		1*	3*	2	4*	17
ULNA				(1)			(1)						(2)
DIST													
SH				1*			1						2
FEMUR							(1)				(1)	(3)	(5)
DIST							1						1
SH											1	3	4
TIBIA	(1)						(1)		(1)	(1)	(5)	(7)	(16)
DIST									1		1	2+1	5
SH	1										4**	4	9
FRAG							1			1			2
MAIN METAP	(1)				(1)		(2)				(2)	(1)	(7)
PR										1*			1
DT												+1	1
SH	1*				1*		1*			1*			4
FR							1						1
MC III + IV(1)						(1)			(1)	(1)	(5)	(9)	
PR	1									1	1*	2*	5
DT												1	1
SH							1*					2*	3
MT III + IV					(1)		(3)			(1)	(2)	(2)	(9)
SH					1		3			1	2	2	9
ASTRAGALUS - WH	1												1
CALCANEUM - WH	1										1		2
1ST PHAL - WH												2	2
2ND PHAL - WH										1	1	2	4
3RD PHAL - WH												1	1
TOTAL	32	2	2	2	6	1	26	2	7	20	24	43	167

See Appendix 1 for footnotes

F5

Animal Bone Report Appendix 4

Pig - anatomical element representation

ELEMENT & PART	MBA	LBA	LBA-EIA	EIA	MIA	M-LIA	LIA	IA-R	R1	R2	R	EM	TOT **
MANDIBILE			(1)		(2)		(5)			(5)	(1)	(15)	(29)
WHOLE OR ALMOST WHOLE												2	2
VERT. RAMUS										1			1
HORIZ. RAMUS							2				1	6	9
FRAG.			1		2		3			4		7	17
CRANIUM			(1)				(4)		(1)	(1)	(4)	(10)	(21)
>½												1	1
<½			1				2		1		4	8	17
FRAG.							2			1			3
ATLAS							(1)						(1)
>½							1						1
<½													
AXIS							(2)			(1)			(3)
>½							1			1			2
<½							1						1
VERTEBRA + INDET CENTRUM							(19)						(19)
FRAG							6						6
							13						13
CERVICAL							(11)						(11)
>½							10						10
<½							1						1
THORACIC							(35)						(35)
>½ C*							25						25
<½							10						10
LUMBAR							(11)						(11)
>½							10						10
<½							1						1
SACRUM - <½							1						1
CAUDAL - >½							1						1
SCAPULA					(1)		(2)	(2)		(2)	(1)	(3)	(11)
DIST					1		2	2		1	1		7
SH												1	1
FR										1		1	2
WH												+1	1
PELVIS (INNOMINATE)	1												1
HUMERUS				(1)			(1)	(1)	(3)			(3)	(9)
WH									2**				2
DT							1		1			1+1	4
SH			1									1	2
FR								1					1
RADIUS				(1)						(1)		(1)	(3)
WH												1x	1
DT										1			1
SH			1										1
ULNA - SH										1		2	(3)
FEMUR			(1)							(1)		(1)	(3)
WH			1*									1xx	2
PR										+1			1
TIBIA										(1)	(2)	(2)	(5)
WH												1x	1
DT										1+			+1
SH											1	1	2
FR											1		1
FIBULA - WH												1	1
ACCESS METAP - WH												1	1
MC III OR IV - WH							+1x					2	(3)
MC III OR IV C*												(2)	(2)
WH												1x	1
PR												1x	1
CARPALS - WH							1						1
CALCANEUM - WH												1x	1
TOTAL	1		3	1	4		95	2	2	16	8	44	176

FG

F7

See Appendix 1 for footnotes

Animal Bone Report Appendix 5

Large ungulate - anatomical element representation (Horse/cow/deer)

ELEMENT & PART	MBA	LBA	LBA-EIA	EIA	MIA	M-LIA	LIA	IA-R	R1	R2	R	EM	TOT**
MANDIBLE	(5)	(1)					(2)	(1)	(6)	(7)		(4)	(26)
HORIZ. RAMUS									6	1			7
FRAG.	5	1					2	1		6		4	19
CRANIUM - FRAG	16			1			1	1		10	17		(46)
VERTEBRA - INDET <½	2				1		1	2		7	1	1	(15)
CERVICAL			(1)		(1)		(1)	(1)		(2)	(1)	(1)	(8)
>½							1			2	1	1	5
<½			1		1			1					3
THORACIC	(1)		(1)			(1)	(2)	(1)		(12)	(3)	(6)	(27)
>½						1				9	2	4	16
<½	1		1				2	1		3	1	2	11
LUMBAR										(2)	(1)	(3)	(6)
>½										2		3	5
<½											1		1
STERNUM - FRAG										1			1
SCAPULA				(1)			(1)	(1)		(6)	(1)	(3)	(13)
SH				1			1	1		1			4
FR										5	1	3	9
PELVIS - FRAG	1									1			2
HUMERUS										(3)	(4)	(2)	(9)
SH										1*	1		2
FR										2	3	2	7
RADIUS				(1)						(6)		(3)	(10)
DT												1	1
SH				1*						4**		2	6
FR										2			2
ULNA	(2)						(1)	(2)		(6)	(3)		(14)
SH	2						1	1		3	2		9
FR								1		3	1		5
FEMUR - FRAG							1		3	2		1	7
TIBIA							(1)			(4)		(4)	(9)
WH							1			2		1	4
FR										2		3	5
PATELLA - ½											1	1	
RIB		(2)		(2)	(4)	(2)	(3)		(1)	(53)	(25)	(13)	(105)
PR				1						2	1	1	5
SH		2		1	4	2	3		1	49	21	11	94
FR										2	3	1	6
TOTAL	27	3	2	5	6	3	14	9	10	122	56	42	299

See Appendix 1 for Footnotes

Animal bone report Appendix 6

Medium sized animals (small artiodactyls & dog) - anatomical element representation

ELEMENT & PART	MBA	LBA	LBA- EIA	EIA	MIA	M- LIA	LIA	IA-R	R1	R2	R	EM	TOT**
MANDIBLE				(1)						(7)	(4)		(12)
VERT. RAMUS										1	2		3
HORIZ. RAMUS				1									1
FRAG.										6	2		8
CRANIUM - FRAG	7	2					3			1		1	14
VERTEBRA - INDET		(1)		(1)			(3)		(1)				(6)
CENTRUM		1		1			2						4
FRAG							1		1				2
AXIS - <↓							1						1
CERVICAL ↓												1	1
THORACIC	(1)	(1)			(2)		(5)				(1)		(10)
>↓	1				1		2						4
<↓		1			1		3				1		6
LUMBAR	(1)						(1)						(2)
>↓													
<↓	1						1						2
CAUDAL >↓											2		13
SCAPULA - FR				1						2	2	3	8
HUMERUS - SH	1*												1
RADIUS	(2)												(2)
PR	1												1
SH	1+												1
FEMUR	(1)									(2)			(3)
SH	1+									1			2
FR										1			1
TIBIA	(1)				(2)	(1)	(5)		(1)	(4)	(3)	(4)	(21)
SH	1*				1	1	5		1	4	3	4*	20
FR					1								1
RIB	(8)	(12)		(3)	(3)	(1)	(11)		(2)	(39)	(6)	(20)	(105)
PR	1			+1	3	1	+2			5	2	5	20
SH	7	12		2			9		2	34	3	15	84
FR											1		1
COSTAL CART - FR											1		1
TOTAL	22	16		6	7	2	29		4	57	17	30	190

See Appendix 1 for Footnotes

Animal Bone report Appendix 7

Measurements
DOG

Bone	Id.*	Description	Period	Mean ±	s.d.	F
Atlas	GB	greatest breadth over wings	R-ph2	71.7	9.19	2
	GL	greatest length	R-ph2	32.3	4.24	2
	BFcr	greatest breadth of cranial artic. surf.	R-ph2	36.7	4.03	2
	BFcd	greatest breadth of caudal artic. surf.	R-ph2	28.5	3.18	2
	LAd	length of dorsal arch	R-ph2	13.0	1.91	2
Axis	LCDe	greatest length, region of corpus incl. dens	R-ph2	43.3	3.75	2
	LAPa	greatest length of arch	R-ph2	45.1	6.86	2
	BFcr	greatest breadth cranial artic. surf.	R-ph2	27.6	3.11	2
	BPtr	greatest breadth across processus transversi	R-ph2	37.4	5.73	2
	BFcd	greatest breadth of caudal artic. surf.	R-ph2	16.8	2.33	2
Scapula	HS	height along spine	R-ph2	109.5	0.00	2
	DHA	diag. ht. from dist. pt. to thoracic angle	R-ph2	104.8	0.21	2
	SLC	smallest length of neck	R-ph2	20.2	0.07	2
	GLp	greatest length of glenoid process	R-ph2	24.6	0.21	2
	LG	length of glenoid cavity	R-ph2	21.4	0.07	2
	BG	breadth of glenoid cavity	R-ph2	14.5	0.35	2
Humerus	GL	greatest length	R-ph2	136.9	0.14	2
			EM	153.5	0.71	2
	SD	smallest breadth diaphysis	R-ph2	9.0	0.35	3
			EM	11.6	0.57	2
	BD	greatest breadth of distal end	LPRIA	28.3		1
			R-ph2	25.4	3.41	3
			EM	31.5	0.21	2
			R-ph2	132.8	0.57	2
	GLC	greatest length from head	R-ph2	132.8	0.57	2
			R-ph2	32.5	0.00	2
Dp	depth of proximal end	R-ph2	32.5	0.00	2	
		EM	39.0	0.28	2	
Radius	GL	greatest length	R-ph2	132.7	0.35	2
			EM	153.0	0	1
	Bp	greatest breadth of proximal end	R-ph2	15.2	0	2
			EM	17.0	0	1
	SD	smallest breadth of diaphysis	R-ph2	10.9	1.79	3
			EM	15.0	5.30	2
	CD	smallest circumference of diaphysis	EM	33.0	0	1
	Bd	greatest breadth of distal end	R-ph2	19.6	0.14	2
			EM	22.1	0	1

Ulna	GL	greatest length	R-ph2	156.5	0	2
	DPA	depth across processus anconaeus	R-ph2	17.2	0.14	2
			EM	23.2	0	1
	SDO	smallest depth of the olecranon	R-ph2	16.5	0.14	2
			EM	19.2	0	1
	BPC	greatest breadth across coronoid process	R-ph2	14.7	0	1
		EM	16.3	0	1	
Pelvis	LAR	length of acetabulum on the rim	EM	18.5	2.0	3
	LS	length of symphysis	EM	42.4	0	1
	SH	smallest height of shaft of illium	EM	17.3	2.83	2
	SB	smallest breadth of the shaft of the illium	EM	8.4	0.42	2
	LFo	inner length of foramen obturatum	EM	24.1	1.83	2
Femur	GLC	greatest length from caput femoris	R-ph2	143.8	0.42	2
			EM	171.0	0	1
	Bp	greatest breadth of proximal end	R-ph2	30.5	0.42	2
			EM	36.2	0.91	2
	DC	greatest depth of caput femoris	R-ph2	15.2	0.21	2
			EM	18.3	0.07	2
	SD	smallest breadth of diaphysis	R-ph2	9.8	0.07	2
			EM	12.1	0	2
	Bd	greatest breadth of the distal end	R-ph2	25.7	0.71	2
		EM	31.2	0	1	
Tibia	GL	greatest length	R-ph2	154.4	20.06	3
			EM	171.5	0	1
	SD	smallest breadth of diaphysis	R-ph2	10.2	1.50	3
			EM	12.3	0	1
	Bd	greatest breadth of distal end	R-ph2	19.2	1.48	3
			EM	21.8	0	2
	Bp	greatest breadth of proximal end	EM	33.6	0	1
	CD	smallest circumference of diaphysis	EM	41.0	0	1
	Dd	greatest depth of distal end	R-ph2	14.3	0.79	3
Skull	1	total length, akrokranion to prosthion	R-ph2	165.6	0	1
			EM	173.0	0	1
		length from nasion to akrokranion	R-ph2	90.3	0	1
			EM	93.6	0	1
	15	length of cheektooth row	R-ph2	62.0	0	1

		along alveoli on buccal side (maxillary)				
	7	aboral border of alveolus of M3 to C (mandibular)	R-ph2	67.4	0	1
			EM	68.9	0	1
	8	nasion to prosthion	R-ph2	74.9	0	1
			EM	85.1	0	1
	13	median palatal length, staphylion-prosthion	R-ph2	82.9	0	1
			EM	81.0	0	1
PIG						
Scapula	HS**		MIA	142.5	0	1
	SLC		MIA	17.7	0	1
			R-ph2	24.2	0	1
	GLp		MIA	28.7	0	1
			R-ph2	35.5	0	1
	LG		R-ph2	30.1	0	1
	BG		R-ph2	24.9	0	1
Femur	GLC		LB-EIA	201.5	0	1
	SD		LB-EIA	19.1	0	1
	CD	smallest circumference of diaphysis	LB-EIA	67.0	0	1
COW						
Scapula	DHA		R-ph2	267.0	0	1
	SLC		EIA	47.8	0	1
			R-ph1	54.4	0	1
			R-ph2	46.4	2.63	6
			EM	44.3	4.09	5
	GLp		R-ph1	68.4	0	1
			R-ph2	62.7	2.20	4
			EM	64.1	0	1
	LG		R-ph1	57.0	0	1
			R-ph2	53.6	1.77	4
			EM	54.7	0	1
	BG		R-ph1	50.5	0	1
			R-ph2	45.1	2.17	3
Humerus	SD		R-ph2	31.6	0	1
	Bd		M-LIA	80.9	0	1
	BT	greatest breadth of trochlea	M-LIA	72.5	0	1
Radius	GL		MBA	297.5	0	1
	Bp		MBA	85.8	0	1
			EIA	79.0	0	1
			R-ph2	86.0	6.01	2
			EM	67.4	7.85	2
	SD		MBA	41.2	0	1
			EM	33.6	3.75	5
	BFp	greatest breadth humeral artic. surf.	MBA	78.3	0	1
			EIA	72.0	0	1

			R-ph2	78.9	6.65	2
			EM	61.9	7.07	2
	CD		MBA	110.0	0	1
Tibia	SD		MBA	35.4	5.66	2
	Bd		MBA	56.8	6.22	2
			LPRIA	55.8	0	1
			R-ph2	60.2	2.97	2
	CD		MBA	100.5	12.73	2
	Dd		R-ph2	46.7	1.06	2
Metacarpal	GL	greatest length	R-ph2	200.0	0	1
	Bp	greatest breadth of proximal end	MBA	47.7	2.23	3
	SD	smallest breadth of diaphysis	R-ph2	61.2	2.19	2
			MBA	25.0	2.05	3
	Bd	greatest breadth of distal end	R-ph2	31.8	3.82	4
			R-ph2	54.0	0	1
	Dp	greatest depth of proximal end	R-ph2	36.6	0.78	2
	CD	smallest circumference of diaphysis	MBA	75.5	5.07	3
	DD	smallest depth of diaphysis	R-ph2	92.7	10.98	3
			MBA	18.6	1.68	3
			R-ph2	21.0	2.10	4
	Dd	greatest depth of distal end	R-ph2	33.8	0	1
Metatarsals	Bp		MBA	51.7	0	1
			R-ph2	46.8	1.99	3
	SD		MBA	28.2	0	1
			LPRIA	22.9	0	1
			R-ph2	27.3	0.99	2
	Bd		LPRIA	53.2	0	1
			R-ph2	53.4	0	1
	Dp		R-ph2	43.8	1.63	2
	CD		MBA	101.5	0	1
			LPRIA	82.5	0	1
	DD		MBA	26.9	0	1
			LPRIA	23.5	0	1
			R-ph2	23.8	1.48	2
	Dd		R-ph2	29.9	0	1
1st Phalange	GLpe	greatest length of abaxial half	R-ph2	56.4	2.27	3
	Bp	greatest breadth of proximal end	R-ph2	29.9	3.60	4
	SD	smallest breadth of diaphysis	R-ph2	25.0	2.78	4
	Bd	greatest breadth of distal end	R-ph2	29.5	1.67	3
Mandible	7	length of cheektooth row along alveoli on buccal side	MBA	132.3	0	1
	8	length of molar row along alveoli, buccal side	MBA	79.9	0	1
	9	length of P row along alveoli on buccal side	MBA	51.6	0	1

HORSE

Metacarpal	GL	R-ph2	215.5	0	1
Bp		R-ph2	42.4	0	1
		EM	47.4	0	1
SD		R-ph2	26.4	0	1
		EM	30.6	0	1
Dp		R-ph2	28.2	0	1
		EM	30.8	0	1
CD		R-ph2	78.0	0	1
		EM	88.0	0	1
DD		R-ph2	19.6	0	1
		EM	19.8	0	1
Metatarsal	GL	LPRIA	253.5	0	1
		EM	240.5	0	1
Bp		LPRIA	47.1	0	1
		EM	46.5	0	1
SD		LPRIA	28.6	0	1
		EM	26.5	0	1
Bd		LPRIA	44.3	0	1
		EM	42.8	0	1
CD		EM	88.0	0	1
DD		LPRIA	23.2	0	1
		EM	22.5	0	1
		EM	34.4	0	1

* Id. is the identification given by Von den Driesch for the measurements.
 Measurements with these numbers are illustrated in her book (1976)
 + Mean in millimetres
 **If the Description has been given earlier, this column will be left
 blank.

Context	1364A	1364B	1364C	1364D
Sample No.	43	45	44	46
<i>Carychium tridentatum</i> (Risso)	1	2	-	-
<i>Cochlicopa</i> spp.	3	83	20	4
<i>Truncatella cylindrica</i> (Férussac)	1	1	-	-
<i>Vertigo pygmaea</i> (Draparnaud)	-	2	3	-
<i>Vertigo</i> sp. (b)	-	7	2	-
<i>Pupilla muscorum</i> (Linné)	-	1	-	-
<i>Lauria cylindracea</i> (da Costa)	-	7	-	-
<i>Vallonia costata</i> (Müller)	16	104	15	8
<i>Vallonia excentrica</i> Sterki	2	11	1	3
<i>Vallonia</i> sp. (c)	9	19	23	8
<i>Ena obscura</i> (Linné)	-	1(d)	-	1
<i>Punctum pygmaea</i> (Draparnaud)	-	43	11	-
<i>Vitrina pellucida</i> (Müller)	2	12	9	2
<i>Vitrea contracta</i> (Westerlund)	2	15	3	1
<i>Vitrea</i> sp. (a)	1	6	1	-
<i>Nesovitrea hummonis</i> (Ström)	-	1	-	-
<i>Aegopinella</i> spp.	2	49	10	-
<i>Oxychilus</i> sp.	-	12	-	-
Zonitidae indet. (a)	4	45	30	5
Limaciidae indet.	-	2	-	-
<i>Ceciloides acicula</i> (Müller)	104	110	25	21
<i>Trichia hispida</i> (Linné)	3	17	9	2
<i>Trichia cf. hispida</i> (a)	5	57	33	18
<i>Trichia hispida/striolata</i> (c)	-	1	-	-
<i>Cepaea/Arianta</i> sp. (a)	-	14	6	1
<i>Cepaea hortensis</i> (Müller)	-	-	-	1
<i>Helix aspersa</i> Müller	-	(+)	1	(+)
Sample wt (kg)	2	2	2	2

Notes:
 (a) Young juvenile and/or weathered shells
 (b) Apices only; no apertures
 (c) Distinct keel at periphery but surface detail of *hispida*-type
 (d) Not present in 2kg sample but specimen extracted from 5kg

Table 24 Land molluscs from ditch 1364 (systematic list)

Context	0329	0157D
Sample No.	2	8
<i>Lymnaea truncatula</i> (Müller)	4	2
<i>Vallonia pulchella</i> (Müller)	4	-
<i>Vallonia excentrica</i> Sterki	1	-
<i>Vallonia</i> sp.	4	-
<i>Trichia cf. striolata</i> (Pfeiffer)	-	2
<i>Trichia</i> sp.	-	1
<i>Helix aspersa</i> (Müller)	1	+
<i>Discus rotundatus</i> (Müller)	-	2
Zonitidae indet.	-	2
<i>Pisidium</i> sp.	-	2
Sample wt (kg)	3	5

Table 25 Land and freshwater mollusca from medieval and later features

Context No.	Find No.	Date	Ostrea uv	Ostrea lv	Mytilus	Cerastoderma	Buccinum	Littorina	Others
0001	2	Late Med.	-	1	-	-	-	-	-
0134	24	Late Med.	-	1	-	-	-	-	-
0065	32	?	1	-	-	-	-	-	-
0301A	61	Early Med.	-	2	-	-	2	1	-
0303A	62	Early Med.	1	1	-	-	1	-	-
0302A	63	Early Med.	1	1	-	-	-	1	-
0301C	65	Early Med.	1	-	-	-	-	-	-
0301G	66	Early Med.	1	-	-	-	-	-	-
0301C	68	Early Med.	2	1	-	-	-	-	-
0302C	69	Early Med.	-	1	-	-	-	-	-
0302B	71	Early Med.	1	-	-	-	-	-	-
0303A	74	Early Med.	2	-	-	-	-	-	-
0303D	75	Early Med.	-	1	-	-	-	-	-
0313	76	Early Med.	-	1	-	-	1	-	-
0302C	80	Early Med.	1	3	-	-	-	-	-
0312J	83	Early Med.	2	-	-	-	-	-	-
0307A	84	Early Med.	2	-	-	-	2	-	-
0308	88	Early Med.	4	1	-	-	-	-	-
0304	89	Early Med.	1	1	-	-	-	-	-
0304	95	Early Med.	-	1	2	-	3	-	-
0322	96	Late Med.	3	4	-	-	-	-	-
0320	97	?	-	-	-	-	1	-	<i>Scrobicularia plana</i> (?)
0308	98	Early Med.	-	-	-	-	-	-	<i>Cepaea only</i>
0311	100	Early Med.	3	2	-	-	-	-	-
0321	101	Med?	-	2	-	-	-	-	-
0339	110	Early Med.	2	-	-	-	2	-	-
0309	102	Early Med.	-	1	-	-	-	-	-
0324	105	Post Med.	-	-	-	-	-	-	<i>Vancorupis cf. thurabodes</i>
0318	106	Early Med.	23	28	14	-	1	-	-
0322	107	Late Med.	-	4	1	-	-	-	-
0341	109	Early Med.	1	1	-	2	-	-	-
0304A	113	Early Med.	111	113	206	78	5	-	-
0645	383	Med.	-	-	2	200b	(2)	-	-
1150	422	Roman	223	212	-	-	48	-	-
1150B	446	Roman	209	208	1	-	1	-	-
1036	229	Roman	139	134	-	-	-	-	-
0332	112	Med.	-	1	-	-	-	-	-
0304C	114	Early Med.	4	4	-	-	-	-	-
0346	115	Late Med.	-	-	-	-	1	-	-
0304E	134	Early Med.	19	29	1	5	3	-	-
0084A	163	?	-	-	-	-	-	-	-
0158	272	B.A.	-	-	-	-	-	-	Land Mollusca only
1036	313	Roman	-	-	3	-	1	-	-
1150B	451	Roman	-	-	5	-	8	-	-
1150B	460	Roman	-	-	2	-	2	-	-
1240D	565	Roman	4	4	3	-	1	-	-
1240B	566	Roman	11	13	-	1	-	-	-
0704A	558	?	-	-	-	-	-	-	Balticus
0704A	567	?	-	-	80	-	-	24	-
0715A	568	Roman	1	1	10	51	-	79	-
1240C	571	Roman	10	6	-	-	-	-	-
1240A	576	Roman	7	7	-	1	-	-	-
0715C	580	Roman	-	-	-	-	-	2	-
0715B	591	Roman	17	20	10	226	4	159	-
0715E	592	Roman	6	2	3	17	1	33	-
0715D	593	Roman	43	32	35	20	-	80	-
0715D	594	Roman	-	-	-	-	-	1	-
1240E	609	Roman	17	16	1	-	-	-	-
1240G	610	Roman	4	-	1	-	-	-	-
1240F	623	Roman	25	29	6	1	1	-	-
1239	730	B.A.	-	1	8	-	-	-	-
1342C	739	Late IA	-	-	-	-	-	-	Land molluscs only
1237B	751	B.A.	-	-	9	-	-	-	-
1237	752	B.A.	-	-	10	1	-	-	-
1237A	753	B.A.	-	-	2	2	-	-	-
1237C	780	B.A.	-	-	12	1	-	-	-
1328H	795	Roman	-	-	-	-	-	-	-
1364B	917	Roman	97	100	32	-	21	-	-
1364C	920	Roman	1	1	-	-	-	-	-
1328J	928	Roman	-	-	-	-	-	-	Land snails only
1364C	929	Roman	3	4	-	-	-	-	-
1328J	928	Roman	4	3	-	-	-	-	-
1525D	983	Late IA	-	1	1	-	-	-	-
1346D	989	Roman	1	2	-	-	-	-	-
1346E	990	Roman	2	1	-	-	-	-	-
1525E	1000	Late IA	-	2	1	-	-	-	-
1548	1021	Roman	1	3	-	-	-	-	-
1563	1046	Roman	-	-	1	-	-	-	-
1563A	1047	Roman	-	-	2	-	-	-	-
1563F	1105	Roman	45	36	19	2	-	-	-
1563B	1112	Roman	4	2	11	1	-	-	-
1563E	1125	Roman	16	26	-	-	-	-	-
1563E	1135	Roman	6	11	9	-	-	-	-
1563H	1171	Roman	14	4	-	-	-	-	-
1563I	1176	Roman	4	8	-	-	-	-	-
0715A	579	Roman	53	43	159	780	4	730	<i>M. balphica</i> (1)
1563F	1165	Roman	26	23	-	-	-	-	-
1610	1182	Roman	31	37	-	-	-	-	-
1563G	1126	Roman	44	71	1	-	-	-	-
1610	1192	Roman	80	80	1	-	-	-	-
1563D	1067	Roman	52	47	-	-	-	-	-
1364A/B	918	Roman	160	159	-	v. poor condition	-	-	-
1563A	1046B	Roman	87	132	-	-	-	-	-
1563A	1063B	Roman	164	197 (includes 9 paired upper/lower valves)	-	-	-	-	-
1563A	1047B	Roman	(179)	168	-	-	-	-	-
	(3 bags)		(188)	184	1	-	-	-	-
			(169)	127	-	-	-	-	-

Table 26 Hand-collected marine mollusc counts

	1364A	1364B	1364C	1642C
Sample Wt (Kg)	2	2	2	5
Foraminifera	-	+	-	-
Bryozoa	+	+	-	+
Ostracoda	-	+	-	-
<i>Balanus</i>	+	+	+	+
<i>Mytilus edulis</i> L. (<2mm)	-	5	-	-
<i>Cerastoderma</i> sp. (<1mm)	2	-	-	-
<i>Macoma balthica</i> (L.) (frag)	-	-	1	2
c.f. <i>Mya</i> sp. (immature hinge)	1	-	-	-
Indet. bivalves (<3mm)	1	1	-	-
<i>Hydrobia ulvae</i> (Pennant)	-	1	-	-
<i>Rissoa</i> sp.	1	-	-	-

Remains of organisms attached to or boring in shells of oyster, cockle and mussel include Bryozoa, *Balanus balanoides*, *Clione celata*, *Polydora* sp. and oyster spat.

Macoma balthica, *Hydrobia ulvae* and *Scrobicularia plana* are common molluscs on and in muddy substrates, the latter two species occurring particularly in regions of lowered salinity (Yonge 1949, 247-257). There seems little doubt that these species and indeed mos: other small molluscs and other invertebrates were brought to the site with edible shellfish, either as individuals gathered in error, directly attached to other shells or in encrusting intertidal mud.

Table 27 Non-edible marine molluscs and other invertebrates from soil samples

	Iron Age	Iron Age	Roman	Roman or later	Early Medieval	Late Medieval
<i>Ostrea edulis</i>	1 (4.3)	4 (15.4)	2171 (94.1)	123 (6.6)	208 (57.8)	13 (1.3)
<i>Mytilus edulis</i>	20 (86.9)	21 (80.8)	50 (2.2)	109 (5.8)	11? (31.1)	2 (0.2)
<i>Cerastoderma edule</i>	2 (8.7)	1 (3.9)	3 (0.1)	552 (29.4)	18 (5.0)	1003 (98.2)
<i>Buccinum undatum</i>	-	-	83 (3.6)	9 (0.5)	20 (5.5)	2 (0.2)
<i>Littorina littorea</i>	-	-	-	1084 (57.8)	2 (0.5)	1 (0.1)
Totals	23	26	2307	1877	360	1021

These counts refer to minimum numbers of individuals.

Table 28 Counts and percentages (in brackets) of main molluscan species

Context	Date	Mean hinge-gape (mm)		Range (mm)		No. measured	
		Left valve	Right valve	Left valve	Right valve	Left valve	Right valve
0304A	Medieval	58.79	58.01	42-103	40-101	62	57
1036	Roman	82.14	75.00	58-107	28-105	88	96
1150	Roman	80.32	77.67	39-108	45-110	100	100
1150B	Roman	80.57	75.73	30-119	27-111	100	100
1364B	Roman	82.94	75.32	53-110	56-101	85	82
1563A	Roman	66.43	59.21	36-89	31-81	75	73

Note: Most valves from 1563A were poorly preserved; only specimens from Find No. 1063B were suitable for measurement.

Table 29 Oyster valve dimensions

Context	Date	<i>Ostrea</i> /Indeterminate	<i>Cerastoderma</i>	<i>Mytilus</i>	<i>Littorina</i>	? <i>Venerupis</i>	? <i>Scrobicularia</i>
0304A	Medieval	86 (76.1%)	21 (18.6%)	3 (2.7%)	1 (0.9%)	2 (1.8%)	-
1036	Roman	133 (99.2%)	-	1 (0.8%)	-	-	-
1150	Roman	212 (100%)	-	-	-	-	-
1150B	Roman	207 (99.5%)	-	1 (0.5%)	-	-	-
1364B	Roman	100 (100%)	-	-	-	-	-
1563A	Roman	174 (88.3%)	13 (6.6%)	9 (4.6%)	-	-	1 (0.5%)

Table 30 Oyster lower valve attachment

North Shoebury, Essex : Charred remains of crop plants and weeds
by P Murphy

Sampling, extraction and identification

Bulk samples, normally up to about 20kg in weight, were taken by the excavators from features of all periods. Where appropriate, smaller samples comprising obvious discrete patches of charred material within contexts were also taken. Sampling was not probabilistic, but an attempt was made to sample all types of features present, including ditches, pits, ovens/kilns and cremations.

For practical reasons (lack of technical assistance and the short duration of the excavation) bulk sieving and flotation on site were not possible. Charred plant remains were extracted from sub-samples in the laboratory by manual flotation using an 0.5mm collecting mesh. The flots were dried and sorted under low power of a stereoscopic binocular microscope. The non-floating residues were washed out over a 1mm mesh, dried and sorted for bone, shell and artefacts.

The firm silt loam matrix of the samples presented a number of problems. Firstly, disaggregation was difficult. Pre-soaking in hot water overnight was reasonably effective, but some soil aggregates were resistant even to treatment with H₂O₂. Secondly, the disaggregated sediment was found to clog meshes finer than 0.5mm during flotation. Finally, some of the charred plant remains had a thin silty coating which filled any concavities on their surfaces. In some cases this coating obscured features necessary for identification but could not be removed since re-wetting or scraping with a needle tended to cause fragmentation. Other incomplete or tentative identifications resulted from poor preservation (deformation during charring, weathering or fragmentation). Plant remains identified are listed in Tables 31 and 33.

The crop plants

1. Period 1. (1.1. Middle Bronze Age; 1.3. Early Iron Age)

a) Pisum sativum (peas) Fig. 77

Seeds were recovered from 1412 (samples 55 and 48). The dimensions of 30 seeds are as follows:

		Length	Breadth (of cotyledons)	Thickness (across cotyledons)
minimum	3.4mm	2.7mm	3.2mm	
mean	4.35mm	3.66mm	3.87mm	
maximum	5.3mm	4.6mm	4.7mm	

A few of these are approximately spherical but the majority are distinctly angular with irregular (frequently silt-filled) depressions. The hilar grooves of many specimens are also obscured by silt. Few seeds show any trace of the testa and only a small proportion show indistinct remnants of hilums. These are not measureable, but are small and ovate.

b) Triticum spp. (wheats)

The wheat grains from Period 1 contexts are predominantly elongate forms of emmer and spelt type (Triticum dicoccum and T. spelta). Sample 9 from cremation 0021 included a short grain from a

free-threshing hexaploid wheat (*Triticum aestivum/compactum*). Illustrations of typical grain forms are given in Fig. 83. 1412 produced a very battered grain fragment, including the embryo, which could be of einkorn (*Triticum monococcum*). It is slender with a fairly sharp dorsal ridge.

The spikelet fragments consist of glume bases, spikelet forks, spikelet bases (lacking internodes and with very damaged glume bases) and rachis internodes from glume wheats. Many specimens are damaged or encrusted with sediment but Middle Bronze Age cereal remains are so uncommon that detailed description of this material is worthwhile. Identifications have been made using criteria defined by Helbæk (1952) and G.C. Hillman (pers. comm.). Detached rachis internodes were present in samples from 1035 and 1008B, but their outer (abaxial) surfaces are abraded and the presence or absence of veins cannot be determined. Most of the glumes and spikelet forks from Bronze Age contexts have been identified as emmer (*Triticum dicoccum*). In most cases the glumes on the forks are set at an angle to one another (viewed from above), the secondary keels of the glumes are not strongly developed, the angle of the primary keel is not more than 90° and the angle of the secondary keel is obtuse. The glumes are slender. However, one glume base from 1236A is identified as spelt (*Triticum spelta*). It is broad (c. 1.2mm) with a strong primary keel. The angle of the glume faces on either side of this keel is obtuse. The secondary keel is only slightly more prominent than the tertiary veins, and the angle of the secondary keel is very large, though there is not a smooth curve in cross section across the glume. In addition 1202A produced a damaged spikelet fork with a slender glume showing two very prominent keels and with a comparatively wide upper rachis scar. These two features suggest that it is probably of einkorn (*Triticum monococcum*). The early Iron Age wheat spikelet fragments are of both spelt and emmer. The spikelet fragments from 1412 are almost all very deformed. The glumes have split and curled during carbonisation. At least one spikelet fork is from an immature ear: the ascending internode has not disarticulated but has fractured transversely. Illustrations of selected spikelet fragments are given in Fig. 83.

c) *Hordeum* sp. (barley).

The barley grains are not well preserved, though specimens from 1202A and 1202B are clearly hulled (Fig. 83) and there are some grains from lateral spikelets. 1202A and 1209B produced rachis fragments (Fig. 83). The specimen from 1202A is a node with the extreme lower part of the internode. The fragmentary internode from 1209B is short but damaged at its base: it might be from the lower part of a lax ear or from a dense ear.

d) *Avena* sp. (oats)

A few fragmentary grains and short sections of awn were recovered. It is impossible to determine whether these represent wild or cultivated oats.

e) *Caruelina sativa* (gold of pleasure)

Seeds of this plant came from 1412. The better preserved specimens are 1.3-1.9mm. long with prominent radicles extending for most of the seed length. Preservation of testa patterning is very clear on some examples.

2. *Iron Age and Roman (Periods II - III)*

The charred cereal remains from features of these periods are of spelt, emmer, a free-threshing wheat,

hulled barley and wild or cultivated oats.

The glume wheats spelt and emmer are represented by well-preserved glume bases and spikelet forks. Additional glume wheat remains include rachis internodes, fragmentary or silt-encrusted glume bases, spikelet bases (lacking the internode and all but the extreme basal part of the glumes) and elongate caryopses. Although these are undoubtedly of spelt or emmer they are not sufficiently well-preserved or distinctive to be referred to a particular species. Free-threshing wheats (bread or club wheat) are represented by a single rachis node from 1364 B and by short grains from 1575 B. Wheat awn fragments showing a clustered irregular pattern of barbs were present in several samples.

The barley caryopses in samples of these periods were not well preserved, and fine details of grain morphology rarely survived. 1561 B contained a single lemma base, apparently of 'plain' form. The rachis internodes are generally fragmentary, but the intact examples include both lax - and dense- car forms. 1592 D produced fragments of barley awn with two prominent rows of large barbs.

Oat caryopses and twisted awn fragments were present in a number of samples, but the only floret base was of A. fatua-type from 1592 D.

3. Early Medieval (Period V)

The samples from medieval pits and ditches consisted predominantly of free- threshing hexaploid wheat grains, (Triticum aestivum or compactum). These are poorly preserved and show signs of distortion and puffing. The associated rachis fragments consist of nodes with fragmentary internodes attached but overall proportions of the internodes cannot be determined. There are a few specimens with glume bases attached: these might be of tetraploid species, but are too poorly preserved for definite identification. Small numbers of rye (Secale cereale) caryopses were present, together with a few rye rachis nodes. Awn fragments of wheat or rye occurred in two samples. A few poorly-preserved barley and oat grains were also identified, and 0352 produced a single seed of pea (Pisum sativum).

SampleNo.	9	15/20	19	29	30	34	36	38	31	32	14	16	21	48	55	
Context	0021	1000	1035	1236A	1236B	1202A	1202	1203	1209A	1209B	1008	1008B	1044	1412	1412	
Date	B.A.?	MBA	MBA	MBA	MBA	MBA	MBA	MBA	MBA	MBA	EIA	EIA	EIA?	EIA	EIA	
Cereal indeterminate (a)	ca	1(fr)	-	8	6	2	3	9	1	3	3	-	12	15	9	2
	p	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
<u>Triticum</u> sp. (b)	ca	-	1	-	2	1	3	3	-	1	5	1	3	-	19	16
	a.fr	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
(c)	gb	-	2(fr)	-	-	-	7	2	-	-	-	1(fr)	29	12	19	3
	spb	-	-	1	-	-	5	-	-	-	1	-	3	3	-	-
	bri	-	-	1	-	-	-	-	-	-	-	-	3	-	-	-
<u>Triticum</u> c.f. <u>monococcum</u>	ca.fr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	spr	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
<u>Triticum aestivum/compactum</u>	ca	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Triticum dicoccum</u> Schübl	gb	-	-	-	-	4	2	-	-	-	1	9	7	-	-	1
	spf	1	-	-	-	4	-	-	-	-	-	1	3	2	-	-
<u>Triticum spelta</u> L.	gb	-	-	1	-	-	-	-	-	-	-	8	6	-	-	2
<u>Hordeum</u> sp.	ca	1	-	-	-	4	9	-	1	1	-	2	1	1	1	1fr
	ra	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-
<u>Avena</u> sp.	ca	-	-	-	-	-	1(?)	-	-	-	-	-	-	-	-	3fr
	a.fr	-	-	-	-	-	-	-	-	-	-	+	-	-	-	+
<u>Pisum sativum</u> L. (d)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1+15fr	4900
<u>Camelina sativa</u> (L.) Crantz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	29
c.f. <u>Ranunculus</u> sp.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caryophyllaceae indet	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	1
<u>Montia fontana</u> L. subsp. <u>Chondrosperma</u>	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
<u>Atriplex</u> sp.	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
<u>Chenopodium</u> sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
<u>Chenopodium album</u> L.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Chenopodiaceae indet (e)	-	-	-	-	-	-	-	-	1	-	-	2	1	3	5	-
<u>Malva</u> sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
<u>Medicago lupulina</u> L.	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
<u>Trifolium/Lotus</u> sp.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Vicia Tetrasperma</u> (L.) Schreber	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<u>Vicia/Lathyrus</u> sp.	1+1co	-	-	1	-	4co	7co+2	-	-	-	-	-	-	-	1co	11+24co
Leguminosae indet	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-
Umbelliferae indet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
<u>Rumex acetosella</u> agg.	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
<u>Rumex</u> sp.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3
Polygonaceae indet.	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-
<u>Plantago lanceolata</u> L.	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
<u>Galium aparine</u> L.	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	6
<u>Sambucus nigra</u> L.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<u>Tripleurospermum maritimum</u> (L.) Koch.	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
Compositae indet (f)	-	-	-	-	-	-	-	-	-	-	-	-	-	5	4	-
<u>Carex</u> spp	38	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<u>Bromus mollis/secalinus</u>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	8+fr
<u>Arrhenatherum elatius</u> var <u>bulbosum</u> tu	69+fr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gramineae indet	-	20	-	-	-	1	2	-	-	-	-	6	-	5	3	-
Gramineae (? cereal)	cb	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gramineae (? cereai)	cn	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Indeterminate	st.fr	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeterminate	6	9	-	1	1	4	-	-	-	-	-	6	3	-	39(a)	-
Sample wt (kg)	11.9	2.8	6.8	5.0	5.0	12.7	14.0	0.4	5	5	0.6	5.1	7.5	0.2	7.5	-

All taxa are represented by fruits or seeds unless otherwise indicated.

Abbreviations: a - awn; ca - caryopsis; cb - culm base; cn - culm node; co - cotyledon; fr - fragment; gb - glume base; p - plumule and primary root fragments; spb - spikelet base; spf - spikelet fork; st - stem; rn - rachis node.

Notes (a) Poorly preserved caryopses and fragments (d) Numbers from sample 55 estimated from sub-sample (b) Emmer type or poorly preserved (e) Silt-encrusted (c) Spelt/emmer glume bases; fragmentary or silt-encrusted (f) Incomplete. Tripleurospermum/Anthemis-sized or einkorn. (g) Includes 16 specimens which may be immature pod segments of Raphanus reiphanistrum.

Table 31 Charred plant remains from Period 1 (Middle Bronze Age and Early Iron Age) contexts

fiche

Sample No.		22	23	25	26	41	49	60	61
Context No.		1161	1161	1161	1161	1232	1367	1592B	1529D
Other details		pit	fills	vessel	cont.	pit	fills	vessels	
Cereal indet	ca	6fr	3fr	3fr	-	-	-	22	12
	cn	-	-	-	-	-	-	-	3
<i>Triticum</i> sp.	ca	1	2	2	1	2	3	11	8
	afr	-	-	-	-	-	-	-	+
	gb	2	3	-	-	-	-	12	13
	bri	-	-	-	-	1	-	1	2
	spb	-	-	-	-	-	-	3	2
<i>Triticum spelta</i> L.	gb	-	-	-	-	-	-	5	8
<i>Triticum</i> cf. <i>dicoccum</i> Schubl.	spf	-	-	-	-	-	-	1	-
<i>Hordeum</i> sp.	ca	-	-	-	-	-	-	4	3
	afr	-	-	-	-	-	-	-	+
<i>Avena</i> sp.	ca	-	-	-	-	-	-	1	-
	afr	-	-	-	-	-	-	+	+
<i>Pteridium aquilinum</i> (L.) Kuhn	pi	-	-	-	-	-	-	1	-
<i>Raphanus raphanistrum</i> L.	sifr	-	-	-	-	-	-	-	1
<i>Stellaria media</i> -type		-	-	-	-	-	-	-	1
<i>Stellaria</i> cf. <i>graminea</i> L.		-	-	-	-	-	-	-	1
<i>Montia fontana</i> L. subsp. <i>chondrosperma</i>		-	-	-	-	-	-	1	3
<i>Chenopodium album</i> L.		-	-	-	-	-	-	+	2
<i>Atriplex</i> sp.		-	-	-	-	-	-	+	-
<i>Malva</i> sp.		-	-	-	-	-	-	-	1
<i>Vicia/Lathyrus</i> sp.	co	-	-	1	-	-	-	-	1
<i>Polygonum convolvulus</i> L.		-	-	-	-	-	-	6	3
<i>Rumex</i> sp.		-	-	-	-	-	-	-	1
<i>Galium</i> sp.		-	-	-	-	-	-	1	-
Compositae indet.		1	-	-	-	-	-	-	-
Gramineae indet.		-	-	-	-	-	-	3	8
<i>Avena fatua</i> -type	f/o	-	-	-	-	-	-	-	1
<i>Bromus mollis/secalinus</i>		-	1	-	-	-	1	4	1
Indeterminate		-	-	-	-	-	-	2	10
Sample wt (kg)		6.3	8.9	4.1	1.1	11.8	11.6	1.7	1.7

(1592 is of Late Iron Age or Early Roman date (Phase II.2/III.1).

a-awn; bri-brittle rachis wheat internode; ca-caryopsis; cn-culm node; co-cotyledon; flo-floret; fr-fragment; gb-glume base; pi-pinnule; si-siliqua; spb-spikelet base; spf-spikelet fork; + present but fragmentary.

Table 32 Charred plant remains from Late Iron Age cremations

Sample No.	74	51	72	69	42	70	28	28	28	28	28	52	47	43	45	44	46	63	
Context	1525:0	1561/B	1596/F	1640/B	1346B	1642C	1036	1036	1036	1036	1036	1240G	1328J	1364A	1364B	1364C	1364D	1598B	
							0-10cm	10-20cm	20-25cm	25-35cm	35-40cm								
Phase		I.2/ II.1	II.2	II.2	III.1	III.1	III.2	III.2	III.2	III.2	III.2	III.1	III.1	III.2	III.2	III.2	III.2	III	
Indeterminate cereal	ca+fr	22	48	1	36	1	5	2	1	6	2	1	2	3	4	8	3	7	1
	p	-	+	-	2	-	-	1	-	-	-	-	-	-	1	1	-	-	-
	cn	-	-	-	+	-	-	-	1	-	-	-	-	-	-	-	-	-	-
<i>Triticum</i> sp.	ca	9	9	1	14	-	-	-	2	-	-	1	1	1	7	14	3	2	2
	afr	-	-	-	+	-	-	-	-	-	+	-	-	-	-	-	-	-	-
	bri	1	-	-	4	-	-	-	2	2	3	2	-	-	3	1	4	-	-
	m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	gb	5	-	-	19	-	1	5	16	12	4	8	-	-	4	-	-	-	-
	spf	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	spb	1	-	-	2	-	-	-	-	-	2	7	-	-	-	1	2	-	-
<i>Triticum dicoccum</i> Schubl.	gb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
	spf	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Triticum spelta</i> L.	gb	3	1	-	46	1	-	3	6	6	5	6	-	1	22	5	7	-	-
	spf	-	-	-	4	-	-	-	-	-	-	-	2	-	1	-	-	-	-
<i>Hordeum</i> sp.	ca	-	15	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	1
	ri	-	4	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
<i>Avena</i> sp.	ca	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	afr	+	+	-	+	-	-	-	-	-	+	-	-	-	-	-	+	-	-
<i>Raphanus raphanistrum</i> L.	sifr	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Montia fontana</i> L. subsp. <i>chondrosperm</i>		-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Chenopodium album</i> L.		-	-	-	-	-	1	-	-	-	-	-	-	2	-	1	-	-	-
<i>Atriplex patula/hastata</i>		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Chenopodiaceae indet.		-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Medicago lupulina</i> L.		-	-	-	1	-	-	-	-	-	-	-	-	4	-	-	1	-	-
<i>Vicia sativa</i> L.		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
<i>Vicia/Lathyrus</i> sp.	5co	4+5co	-	12+7co	-	-	-	-	-	-	-	-	-	1co	-	-	-	-	-
Leguminosae indet.	1fr	3	-	2fr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Polygonum aviculare</i> agg.		-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Polygonum convolvulus</i> L.		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Rumex acetosella</i> agg.		-	-	-	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-
<i>Rumex</i> sp.		-	-	-	3	-	1	-	-	-	1	-	-	1	1	-	-	-	-
Polygonaceae indet.		-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
<i>Galium aparine</i> L.		-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Anthemis cotula</i> L.		-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
<i>Tripleurospermum maritimum</i> (L.) Koch.		-	1	-	11	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Scirpus maritimus</i> L.		-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Bromus mollis/secalinus</i>		8	1	-	50	-	-	-	-	1	-	-	-	1	-	-	1	-	-
<i>Arrhenatherum elatius</i>	tu	2fr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gramineae indet.		-	-	-	21	-	2	-	2	-	1	-	-	-	1	-	-	-	-
Indeterminate		3	-	-	5	-	7	-	-	-	-	-	-	-	1	1	1	-	-
Sample wt (kg)		5	3.5	0.8	5	5	5	3	3	2.1	3	3	5	5	5	5	5	5	5

Taxa are represented by fruits or seeds unless otherwise indicated.

Abbreviations: a-awn; bri-brittle-rachis wheat internode; ca-caryopsis; cn-culm node; co-cotyledon; fr-fragment; gb-glume base; ri-rachis internode; m-free-threshing wheat rachis node; si-siliqua; spb-spikelet base; spf-spikelet fork

Table 33 Charred cereals and crop weeds from Iron Age and Roman ditches

015

011

file

Sample No.		59	57	37	53	54	17	18	13	
Context		1424B	1610	0704B	1575A	1575B	1002	1003	1013	
Feature-type		Flue	Pit	Pit	Flue	Flue	Pit	Pit	Pit	
Dating		Roman	III.2	?	?	?	?	?	?	
		(Roman)								
Indeterminate cereals	ca+fr	5	53	1	15	5	22	11	4	
	p	-	1	-	-	-	-	1	-	
	ri	-	-	-	-	-	-	-	-	
	cn	-	-	-	-	-	-	-	-	
<i>Triticum</i> sp.	ca	2	197	1	24	4	12	9	-	
	afr	-	-	-	-	-	-	-	-	
	bri	1	2	-	-	-	2	1	1	
	gb	1	7	-	-	-	9	5	2	
	spf	-	-	-	-	-	1	2	-	
	spb	4	-	-	-	1	4	1	1	
<i>Triticum dicoccum</i> Schubl	gb	-	2(?)	-	-	-	4	1	-	
	spf	-	-	-	-	-	10	6	2	
<i>Triticum spelta</i> L.	gb	5	18	-	1	-	2(?)	1	2	
	spf	-	-	-	-	-	1(?)	-	-	
<i>Hordeum</i> sp.	ca	-	2	-	-	-	6	3	-	
	ri	-	-	-	-	-	1	1	1fr	
<i>Avena</i> sp.	ca	-	2	-	-	-	-	-	-	
	afr	-	-	-	+	-	-	-	-	
<i>Ranunculus</i> sp.		-	1	-	1	-	-	-	-	
Caryophyllaceae indet.		-	-	-	1	-	-	-	-	
<i>Chenopodium album</i> L.		-	-	-	-	-	1	-	12	
<i>Atriplex patula/hastata</i>		-	2	-	-	-	-	-	-	
Chenopodiaceae indet.		-	-	-	-	-	-	-	-	
<i>Medicago lupulina</i> L.		-	-	-	10	5	-	-	-	
<i>Vicia</i> c.f. <i>tetrasperma</i> (L.) Shreber		-	-	-	4	-	-	-	-	
<i>Lathyrus nissolia</i> L.		-	1co	-	-	-	-	-	-	
<i>Vicia/Lathyrus</i> sp.		-	1+7co	1	1+12co	7+5co	-	-	-	
Leguminosae indet.		-	-	-	-	-	1	1	-	
<i>Polygonum aviculare</i> agg.		-	5	1	-	-	-	1	-	
<i>Polygonum convolvulus</i>		-	1	-	-	-	1	-	-	
<i>Rumex</i> sp.		-	1	-	19	16	-	-	-	
<i>Rumex acetosella</i> agg.		-	1	-	-	-	-	-	-	
Polygonaceae indet.		-	-	-	1	-	-	-	-	
<i>Lithospermum arvense</i> L.		-	6	-	-	-	-	-	-	
<i>Plantago lanceolata</i> L.		-	-	-	-	-	-	-	-	
<i>Galium aparine</i> L.		-	-	-	-	-	-	-	-	
<i>Anthemis cotula</i> L.		-	-	2	-	-	-	-	-	
<i>Tripleurospermum maritimum</i> (L.) Koch.		-	-	-	-	-	-	-	-	
<i>Eleocharis</i> sp.		-	-	-	1	-	-	1	-	
Gramineae indet.		-	3	-	1	-	2	-	-	
<i>Bromus mollis/secalinus</i>		-	4	-	1	-	-	1fr	-	
Indeterminate		-	4	-	12	3	5	3	1	
Sample wt (kg)		0.15	5	3	5	5	17.0	18.9	13.3	

Abbreviations: a-awn; bri-brittle-rachis wheat internode; ca-caryopsis; cn-culm node; co-cotyledon; fr-fragment; gb-glume base; p-plumule and primary root fragments; ri-rachis internode; spb-spikelet base; spf-spikelet fork

Table 34 Charred plant remains from other Roman contexts and undated features

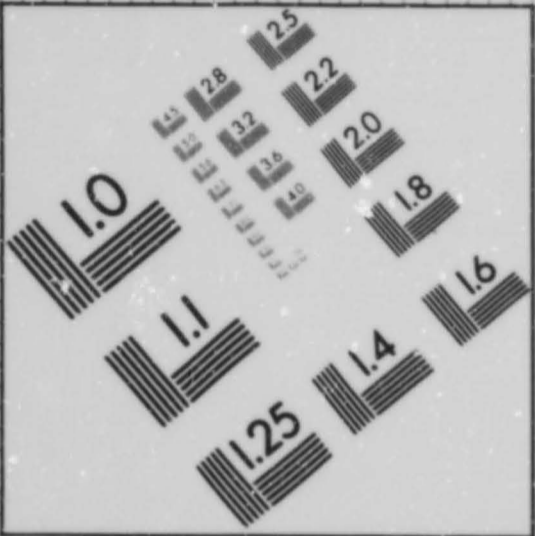
Context No.		0329	0304	0343	0352	0354	0354
Sample No.		2	3	4	5	6	7
Context-type		Pit	Ditch	Ditch	Pit	Ditch	Ditch
Indet. cereal	ca(a)	1	20	20	5	16	77
Indet. cereal	cn	-	2	-	-	1	1
<i>Triticum aestivum</i> s.l.	ca	2	135	72	10	128	736
<i>Triticum</i> sp.	m	-	14	1	-	2	12
<i>Secale cereale</i> L.	ca	-	6	-	-	73	7
<i>Secale cereale</i> L.	m	-	4	-	-	2	7
<i>Triticum/Secale</i>	m(b)	-	3	-	-	-	2
<i>Triticum/Secale</i>	af(c)	-	-	-	-	+	+
<i>Hordeum</i> sp.	ca	-	2	1	-	2	10
<i>Avena</i> sp.	ca	-	6	-	-	74	12+715
<i>Stellaria media</i> (L.) Vill	-	-	-	1	1	-	-
<i>Atriplex patula/hastata</i>	-	-	-	-	-	-	1
Leguminosae indet.	co(d)	-	17	3	-	8	17
Leguminosae indet.	s(e)	-	17	3	2	2	28
<i>Vicia</i> c.f. <i>sativa</i> L.	(f)	-	-	-	-	-	1
<i>Vicia</i> spp.	(g)	-	3	1	-	-	7
<i>Pisum sativum</i> L.	-	-	-	-	1	-	-
<i>Rumex</i> sp.	-	-	1	-	-	1	2
<i>Corylus avellana</i> L.	fr	-	-	-	+	-	-
<i>Lithospermum arvense</i> L.	-	-	-	-	-	1	-
<i>Galium aparine</i> L.	1	1	1	-	-	-	-
Compositae indet. (frag.)	-	-	1	-	-	-	-
<i>Anthemis cotula</i> L.	-	-	2	1	-	8	6
<i>Tripleurospermum maritimum</i> (L.) Koch.	-	-	-	-	-	-	2
<i>Centaurea</i> c.f. <i>cyanus</i> L.	-	-	-	-	-	-	2
<i>Bromus mollis/secalinus</i>	-	-	-	-	-	-	1
Gramineae indet.	-	-	2	1	-	1	6
Indeterminate	-	-	1	-	-	1	1
Sample wt (kg)		3	6	0.4	3	2.8	2

Taxa are represented by fruits or seeds unless otherwise indicated.

Abbreviations: af - awn fragments; fr - fragments; ca - caryopses; m - rachis nodes; cn - culmnodes; s - seeds; co - cotyledons

Notes (a) Refers to near-intact grains; small fragments also present (b) Deformed/fragmentary rachis nodes (c) Preserved as silica skeletons; also fragments of inflorescence bracts (d) Includes cotyledon fragments (e) Near-intact seeds but lacking testas and hilums; size range 2-6mm diameter (f) Hilum wedge-shaped c. 1.7x0.5mm (g) Narrow linear hilums, generally incomplete.

Table 35 Charred cereals and crop weeds from medieval features

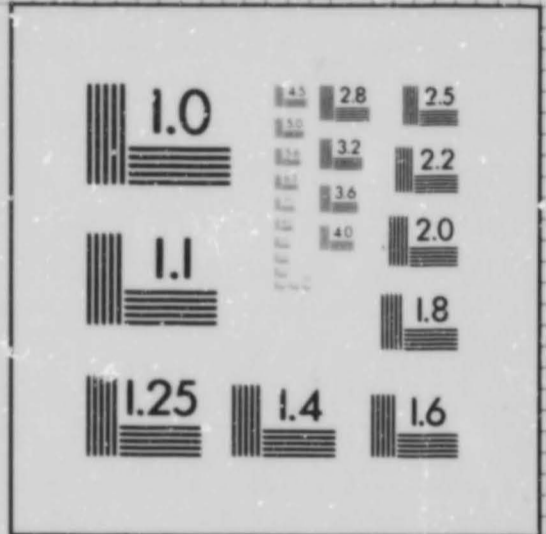


10 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 1234567890

8 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz 1234567890

6 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz 1234567890

4 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz 1234567890



100mm

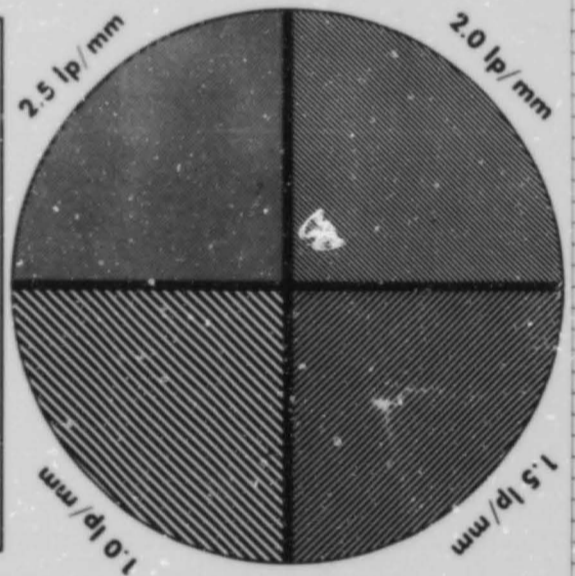
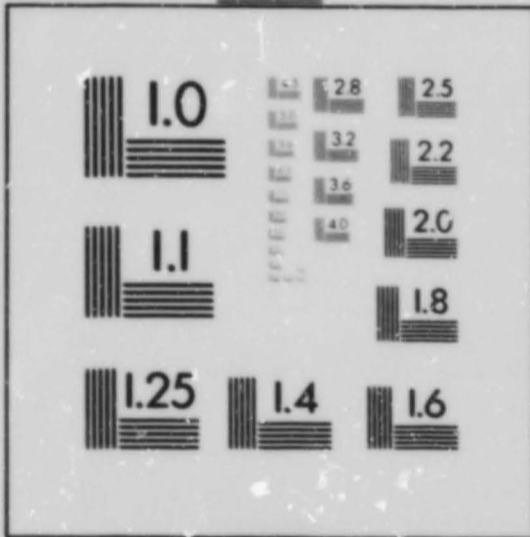
10 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 1234567890

8 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz 1234567890

6 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz 1234567890

4 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz 1234567890

2.5 lp/mm



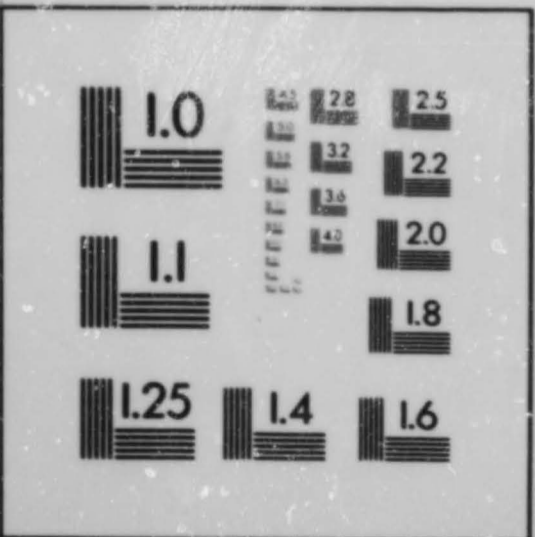
1.0 lp/mm



1.0 lp/mm



IMAGE SYSTEM
 TEST TARGET
 U.S. DEPARTMENT OF COMMERCE
 PATENT AND TRADEMARK OFFICE



10 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 1234567890

8 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz 1234567890

6 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz 1234567890

4 PT. ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz 1234567890

