Fieldwalking and Monitoring of Geotechnical Test Pits at Land at Harlowbury, Essex

Fieldwalking and Monitoring Report

oxfordarchaeology east east east

August 2017

Client: CgMs for Taylor Wimpey

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Fieldwalking and Monitoring of Geotechnical Test Pits at Land at Harlowbury, Essex

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Report Date: April 2016

Report Number: 1893

Site Name: Harlowbury

HER Event No:

Date of Works: February 2016

Client Name: CgMs for Taylor Wimpey

Client Ref:

Planning Ref: HW/PL/11/0005

Grid Ref: TL 4815 1225

Site Code: HAGW16

Finance Code: XEXHAY15

Receiving Body: Harlow Museum

Accession No:

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Summary

Between 1st and 3rd February 2016, Oxford Archaeology East carried out fieldwalking on land off Gilden Way, Harlow, Essex. This identified a scatter of struck flint and a spread of Roman ceramic building material, probably related to an adjacent, scheduled Roman building.

In March 2016, ad hoc monitoring of geotechnical test pits took place. This uncovered no further archaeological deposits.

1 INTRODUCTION

1.1 Location and scope of work

1.1.1 Archaeological fieldwalking was conducted at Harlowbury, Essex (TL 4815 1225).

1.1.2 This archaeological fieldwalking was undertaken in accordance with a Brief issued by Maria Medlycott of Essex County Council (ECC; Planning Application HW/PL/11/0005), supplemented by a Specification prepared by OA East.

1.1.3 The work was designed to assist in defining the character and extent of any archaeological remains within the proposed development area, in accordance with the guidelines set out in *National Planning Policy Framework* (Department for Communities and Local Government March 2012). The results will enable decisions to be made by ECC, on behalf of the Local Planning Authority, with regard to the treatment of any archaeological remains found.

1.1.4 The site archive is currently held by OA East and will be deposited with the appropriate county stores in due course.

1.2 Geology and topography

1.2.1 The geology on this site comprises Chalk which is overlain by superficial deposits of clay, silt, sand and gravel. (http://mapapps.bgs.ac.uk/geologyofbritain/home.html)

1.2.2 The River Stort runs approximately 1km to the north of the site.

1.3 Archaeological and historical background

1.3.1 The following archaeological background has been take n from the specification (Durmmond-Murray 2016)

1.3.2 There is one Scheduled Ancient Monument within the site and two within a 500m radius of the site. These include a Roman villa complex within the north-eastern part of the site (SAM 24860), a Medieval Chapel c.160m west of the site (SAM 50) and the remains of Harlowbury Deserted Medieval Village c.80m west of the site (SAM 171).

1.3.3 Fieldwalking took place on the site in 1990 (Harlow Museum 1991). This recorded clusters of Neolithic flintwork which will be further investigated by fieldwork during the current development works. 5 areas with significant densities were identified (HER 14145- HER14149).

1.3.4 Three stages of archaeological evaluation were undertaken on the site (RPS Clouston 1997). The investigations identified further evidence from the Neolithic period in and around the sites in the fieldwalking as well as evidence for Bronze Age and Iron Age settlement. Trackways, enclosures and ditches associated with the Roman villa to the north-west was also uncovered.

1.3.5 A geophysical survey (Durham University 2005) on the proposed application site identified a good number of positive anomalies including a series of tracks and enclosures surrounding the Scheduled Roman area.

1.3.6 Trial trenching targeted on the positive anomalies was undertaken on the site the following year (Oxford Archaeology 2006). This confirmed the presence of early-mid Roman activity in the north-eastern area of the site, to the south of the scheduled area.

1.4 Acknowledgements

1.4.1 The Author would like to thank CgMs who commissioned this work, on behalf of Taylor Wimpey. The fieldwork was carried out by the author together with Dave Browne and Adam Tuffey. James Drummond-Murray managed the project. Rob Atkins identified the ceramic building material, and the pottery was spot dated by Carol Fletcher and Steve Wadeson.

2 Aims and Methodology

2.1 Aims

2.1.1 The objective of this fieldwalking was to determine as far as reasonably possible the presence/absence, location, nature, extent, date, quality, condition and significance of any surviving archaeological deposits within the development area.

2.2 Methodology

2.2.1 The baselines for fieldwalking traverses will be established using a GPS, with a coordinate system tied into the OS National Grid. Bamboo marker canes will be used to mark hectare corners and/or starting points. Each hectare will be sub-divided into collection units, comprising parallel traverses spaced 10m apart. Starting in the south-west corner of the unit a transect 1m wide (ie 10% of each 10m box) is then walked along the western edge of each unit and the finds gathered. Total retrieval is carried out on this 1m strip.

2.2.2 Wherever practicable, fieldwalking will be carried out under broadly comparable conditions of lighting and weather, and by personnel of broadly similar experience and/or ability. As a result, fieldwalking runs will always be covered from west to east, to ensure, as far as is practicable, that standard conditions of lighting and reflection are maintained.

2.2.3 All flint with the exception of material obviously not worked will be collected and retained, at least until the assessment stage. All finds will be bagged at the point of recovery within pre-marked geo-referenced finds bags, the reference number relating directly to the OS grid reference for the start of the particular run.

2.2.4 The location of any ploughsoil features, such as possible ploughed-out burnt mounds, should be noted. The archaeological contractor will immediately inform the client and the archaeological advisor if any of the material collected is considered to be covered by the Treasure Act of 1996. All necessary information required by the Treasure Act (eg finder, location, material, date, associated items etc) will be reported to the coroner within 24 hours.

2.2.5 Pro forma for recording both the general field conditions and the specific conditions per hectare will be used All bags will be collated and checked off against pre-printed checklists on completion of individual hectares. The checklist will include an indication of runs from which no material was recovered, and will also provide, where appropriate, a preliminary quantification and provisional identification and date of the material recovered..

2.2.6 The site survey was carried out by David Brown using a Leica 1200 GPS, equipped with SmartNet.

2.2.7 Site conditions were generally good, with cloudy but windy weather.

3 Results

3.1 Introduction

3.1.1 The finds from the fieldwalking are detailed in tables below and distribution plots are presented as Figures 1-4.

3.1.2 Conditions were favourable for fieldwalking, with the areas walked having been ploughed and slightly weathered. The ploughsoil was generally sandy, with natural flint gravels present. The south-western area was covered by ploughsoil with a higher clay content, which had not broken down as much as the other two areas.

3.1.3 It should be noted that the quantities and concentrations of struck flint may have been altered as the areas were fieldwalked by another individual prior to and post our work, with the specific intention of recovering struck lithics.

3.2 Struck Lithics

Context	Count	Weight (kg)
C78	1	0.005
C98	1	0.007
D00	1	0.010
D01	1	0.003
D02	4	0.025
D03	2	0.016
D06	2	0.016
D07	2	0.033
D08	3	0.023
D09	2	0.010
D15	1	0.007
D16	1	0.004
D17	2	0.027
D17	3	0.052
D19	10	0.034
D20	2	0.015
D22	2	0.025
D26	1	0.008
D26	1	0.013
D29	2	0.011
D34	1	0.025
D35	1	0.004
D36	1	0.010
D38	1	0.032
D45	1	0.023
D46	1	0.004
D48	4	0.039
D50	1	0.014

D52	1	0.003
D57	1	0.050
D58	2	0.012
D59	1	0.011
E40	2	0.029
E44	2	0.027
E46	1	0.002
E47	7	0.015
E48	3	0.003
E63	2	0.004
E64	1	0.006
E66	2	0.032
E66	1	0.038
E69	2	0.004
E69	1	0.025
E72	2	0.003
E73	3	0.008
E74	4	0.011
E75	3	0.021
E78	1	0.017
E79	1	0.001
E82	1	0.030
E84	2	0.025
E85	3	0.049
E88	1	0.005
E90	1	0.015
E93	3	0.043
E94	2	0.032
E97	2	0.016
E99	3	0.031
F00	2	0.051
F02	2	0.046
F04	2	0.003
F05	1	0.007
F06	2	0.009
F07	1	0.096
F09	2	0.032
F11	9	0.064
F12	3	0.028
F13	1	0.011
F14	1	0.005
F18	2	0.005
F21	2	0.010
F29	2	0.019

F29	2	0.010
F34	3	0.039
F35	1	0.015
F36	1	0.008
F39	1	0.002
F40	3	0.006
F41	2	0.015
F43	1	< 1g
F46	3	0.010
F47	1	0.002
F48	1	0.002
F55	1	0.006
F59	2	0.010
G61	2	0.004
G90	1	0.002
H01	2	0.007
H10	1	0.014
H11	1	0.036
I85	1	0.003
I86	1	0.003
J02	1	< 1g
J15	1	0.015
J16	1	0.008
J18	4	0.036
J27	1	0.007
J28	1	0.007
J32	1	0.002
J64	1	0.011
J79	1	0.028
J82	3	0.010
J83	1	0.006
J83	1	0.019
J88	1	0.006
J89	1	0.003
J93	1	0.013
J96	1	0.002
J99	1	0.013
K04	1	0.019
K15	1	0.013
K27	1	0.004
K33	1	0.004
K37	2	0.026
K39	1	0.005
K69	1	0.005

K77	1	0.002
K78	1	0.003
K92	1	0.014
L80	1	0.006
L81	1	0.021
L90	1	0.002
L94	1	0.004
M12	2	0.003
M13	1	0.032
M13	1	0.004
M22	2	0.021
M54	1	0.004
M72	1	0.044
M80	1	0.038
M86	2	0.001
M90	2	0.016
M93	2	0.037
M95	1	0.009
M96	1	0.006
M97	1	0.001
M98	1	0.004
N04	1	0.007
N05	1	< 1g
N16	2	0.009
N18	2	0.002
N20	1	0.011
N25	1	0.007
N28	1	0.011
P31	1	0.003
P41	1	0.008
P55	1	0.006
Q19	1	0.002
Q29	1	0.008
Q69	1	0.007
R19	1	0.009
R43	1	0.004
R51	2	0.010
R89	1	0.017
R98	1	0.013
T28	1	0.006
U20	1	0.012
U39	1	0.008
U40	1	0.007
U49	1	0.005

U50	3	0.035
U61	1	0.004
U64	1	0.007
U69	1	0.005
U89	1	0.002
V00	1	0.006
V05	1	0.010
V25	1	0.005
V49	1	0.003
V99	1	0.005
X30	1	0.001

Table 1: Quantification of struck lithics

3.3 Pottery

Context	Count	Spot date
D04	1	Modern
D16	1	Post-medieval
D17	1	Post-medieval
D19	1	Post-medieval
D56	1	Post-medieval
D59	1	Roman
E55	1	Roman
E86	1	Medieval
E91	1	Post-medieval
F11	1	Medieval
F13	1	Post-medieval
F19	1	Roman
F46	1	Post-medieval
F52	1	Post-medieval
G81	1	Post-medieval
J16	1	Late medieval
J69	1	Post-medieval
J79	1	Post-medieval
L81	2	Roman
L82	2	Roman
M00	1	Roman
M30	1	Post-medieval
M64	1	Post-medieval
M69	1	Post-medieval
M77	1	Roman
M79	1	Roman
M98	1	Post-medieval
P44	1	Post-medieval

R18	1	Roman
R28	1	Not closely dateable
R44	1	Medieval
R56	1	Medieval
U10	1	Post-medieval
U14	1	Post-medieval
U18	1	Post-medieval
U38	1	Post-medieval
V06	1	Post-medieval
V38	1	Post-medieval

Table 2: Quantification and spot dating of pottery.

3.4 Ceramic Building Material

Type	No. fragments	Weight (g)	Average weight per fragment (g)
Roman	144	9395	65.24g
Post-medieval brick	37	2135	57.7g
Post-medieval to modern tile	533	10512	19.72g
Drain	20	697	34.85g
Total	**734**	**22739**	**-**

Table 3: summary of all ceramic building material

Square	Roman	Post-med Brick	Post-med/ modern tile	Drain
C	-	-	3/65g	-
D	2/134g	11/460g	52/1130g	1/92g
E	8/1057g	4/81g	34/616g	-
F	6/556g	3/115g	32/1134g	-
G	3/190g	-	4/187g	-
H	1/35g	1/46g	11/257g	1/54g
I	1/54g	-	11/336g	-
J	26/1026g	2/31g	56/851g	1/23g
K	8/545g	-	25/343g	6/247g
L	7/352g	3/47g	17/307g	1/23g
M	43/2923g	-	66/873g	-
N	2/82g	2/28g	31/614g	1/35g
O	9/412g	-	3/23g	-
P	5/599g	3/291g	22/323g	3/66g
Q	-	1/408g	1/36g	-
R	12/738g	2/43g	59/1267g	-
T	3/330g	--	10/229g	-
U	7/276g	4/85g	60/1122g	4/105g
V	-	1/541g	22/431g	1/41g

Square	Roman	Post-med Brick	Post-med/ modern tile	Drain
W	-	-	7/201g	-
X	1/86g	1/49g	7/167g	1/11g
	144/9395g	**37/2135g**	**533/10512g**	**20/697g**

Table 4: CBM by square, type, number and weight

Field co-ordinates	No	Wt(g)	Comments
D0.6	1	71	Roman? Slight grey core
D4.3	1	63	?Roman
	2	**134**	
E4.3	1	48	Flat. Has a grey core
E4.4	1	49	?Roman imbrex
E4.7	2	76	One had a grey core
E4.8	1	441	?Roman. If Roman it is a very large flat tile/brick. Alternatively, and less likely, it is a post-med *c*.18th century brick. 60mm (2¼") thick
E4.9	1	81	?Roman. Has a grey core
E7.4	1	150	?Roman
E8.5	1	212	Flat
	8	**1057**	
F0.5	1	38	?Roman
F0.9	1	170	?Roman
F1.4	1	73	Roman
F1.7	1	80	?Roman
F3.1	1	106	Roman
F3.8	1	89	Roman
	6	**556**	
G6.1	1	87	Tegula
G7.1	1	51	Roman
G9.0	1	52	Roman. Grey core
	3	**190**	
H1.0	1	35	Roman. Grey core
	1	**35**	
I9.2	1	54	Tegula
	1	**54**	
J0.2	1	41	?Roman
J0.4	1	92	?Roman
J0.6	1	48	Roman
J0.7	2	42	Roman
J0.8	2	52	Roman
J0.9	2	109	Roman. Grey core
J1.4	1	47	?Roman

Field co-ordinates	No	Wt(g)	Comments
J1.8	1	40	?Roman
J2.2	1	39	?Roman
J3.2	2	25	?Roman
J3.3	2	94	Roman. One with grey core
J3.6	1	96	Flat
J3.8	2	108	Flat
J9.4	3	76	?Roman
J9.6	1	54	Box Flue
J9.7	3	63	?Roman
	26	**1026**	
K2.7	1	76	Roman. Grey core
K4.1	1	287	Tegula
K4.9	1	37	Roman
K6.4	2	53	?Roman
K7.2	1	42	Roman
K9.2	1	29	?Roman
K9.3	1	21	?Roman
	8	**545**	
L8.1	2	113	?Roman
L8.2	1	32	?Roman
L9.0	1	86	Roman. Grey core
L9.2	2	110	Including 1 tegula
L9.3	1	11	?Roman
	7	**352**	
M0.4	1	84	Roman
M1.0	2	126	Roman. One with paw print?
M1.1	4	135	Roman
M1.2	2	231	Including 1 tegula
M1.3	4	426	Roman. Including 1 tegular, 1 imbrex and 1 flat
M2.0	3	261	Roman
M2.1	2	85	?Roman
M2.2	5	376	Roman. Including 1 tegula
M2.4	1	50	?Roman
M3.0	1	52	?Roman
M5.6	1	295	Roman
M6.4	1	21	Roman
M6.6	1	34	Roman
M6.9	3	82	Roman
M7.1	1	130	Roman
M7.8	3	124	Roman
M7.9	1	201	Tegula

Field co-ordinates	No	Wt(g)	Comments
M8.6	1	57	Roman
M8.7	1	17	?Roman
M9.1	3	86	Roman
M9.6	1	25	?Roman
M9.7	1	25	?Roman
	43	**2923**	
N1.5	1	42	Roman. Has a grey core
N3.1	1	40	?Roman
	2	**82**	
O4.0	4	112	Includes 1 ?imbrex
O5.0	3	184	Includes 1 imbrex
O7.0	1	71	
O9.1	1	45	
	9	**412**	
P0.0	1	53	Roman
P1.1	1	106	Roman
P2.2	1	47	Roman. Grey core
P4.1	1	18	?Roman
P5.2	1	375	Flat
	5	**599**	
R1.2	1	45	?Roman imbrex
R1.3	1	43	?Roman
R1.4	1	207	Roman- flat
R1.5	1	20	?Roman. Has a grey core
R2.1	1	10	?Roman imbrex. Has grey core
R2.7	1	39	Roman
R5.0	1	94	?Roman
R5.4	3	191	Includes one tegula
R5.7	1	9	?Roman imbrex. Has grey core
R6.5	1	80	?Roman. Has a grey core
	12	**738**	
T0.6	1	75	?Roman. Orange with grey core. Could be medieval?
T0.9	1	153	Tegula
T6.7	1	102	?Roman
	3	**330**	
U1.5	1	32	?Roman
U3.7	1	15	Roman. Has a grey core.
U6.6	1	95	Roman
U7.3	1	55	Roman. Has a grey core
U7.8	1	44	Roman
U9.2	1	12	?Roman

Field co-ordinates	No	Wt(g)	Comments
U9.8	1	23	?Roman
	7	**276**	
X2.0	1	86	Roman. Has a grey core
	1	**86**	

Table 5: Catalogue of Roman ceramic building material.

Field co-ordinates	No	Wt(g)	Comments
D1.4	1	15	Post-med
D.1.6	2	48	Post-med
D2.7	1	124	Post-med
D3.5	1	21	Post-med
D.3.7	1	74	Post-med
D4.3	1	9	?Brick
D4.4	1	87	Post-med
D4.5	2	57	Post-med
D4.7	1	25	Post-med
	11	**460**	
E4.2	2	31	Post-med
E9.5	2	50	Post-med
	4	**81**	
F1.7	1	27	?post-med brick
F3.4	1	8	?Brick
F4.7	1	80	?Post-med brick. Slight chance its Roman
	3	**115**	
H0.1	1	46	?? Could be Roman
	1	**46**	
J1.4	1	18	?Brick
J8.5	1	13	?Brick
	2	**31**	
L8.3	2	29	?Brick
L9.3	1	18	?Brick
	3	**47**	
N1.9	1	13	Post-med
N3.3	1	5	Post-med
	2	**18**	
P1.2	1	29	Brick
P2.0	1	172	Yellow brick. Late 17th+
P3.1	1	90	Yellow/red brick? Late 17th -18th
	3	**291**	
Q3.9	1	408	Yellow brick. Late 17th century+
	1	**408**	

Field co-ordinates	No	Wt(g)	Comments
R.2.7	1	26	Post-med
R5.8	1	17	?Post-med
	2	**43**	
U1.8	2	59	?Brick
U5.5	1	13	?Brick
U7.7	1	13	?Brick
	4	**85**	
V2.7	1	541	Yellow brick. Late 17th century+
	1	**541**	
X5.0	1	49	Yellow/red mixed. Late 17th-18th century
	1	**49**	

Table 6: Catalogue of post-medieval brick

Field co-ordinates	No	Wt(g)	Comments
C7.7	2	33	Post-med
C7.8	1	32	Post-med
	3	**65**	
D0.0	1	28	Post-med
D0.1	3	37	Post-med
D0.2	2	15	Post-med
D0.3	1	6	Post-med
D0.4	2	36	Post-med
D0.6	1	56	1/20g peg tile – post-med; 1/36g grey slate c.19th cent
D0.7	4	59	Post-med
D0.9	1	17	Post-med
D1.3	1	26	Post-med. Sub-square peg hole
D1.4	2	59	Post-med
D1.5	2	110	Post-med. Sub-round peg hole
D1.6	3	62	Post-med
D1.7	1	2	??
D1.8	1	22	Post-med
D1.9	1	7	grey slate c.19th cent
D2.0	1	26	Post-med
D2.3	1	19	Post-med
D3.0	1	5	Post-med
D3.2	1	41	Post-med
D3.4	1	30	Post-med
D3.5	2	113	Post-med
D3.6	2	18	Post-med
D3.9	1	44	Post-med
D4.1	1	22	Post-med

Field co-ordinates	No	Wt(g)	Comments
D4.3	1	12	Post-med
D4.4	1	11	Post-med
D4.5	2	20	Post-med
D4.6	4	102	Post-med
D4.8	6	79	Post-med. One sub-rounded peg hole
D5.9	1	46	Post-med
	52	**1130**	
E4.1	2	10	Post-med
E4.3	1	3	Post-med
E4.4	2	28	Post-med
E4.5	1	12	grey slate c.19th cent
E4.6	1	8	Post-med
E4.8	2	32	Post-med
E5.4	2	31	Post-med
E5.6	2	18	Post-med
E6.8	1	27	Post-med
E7.1	1	26	?Post-med
E7.2	3	20	Post-med
E7.4	2	9	Post-med
E7.9	1	31	?post-med
E8.1	3	69	Post-med
E8.2	1	2	Post-med
E8.3	1	3	Post-med
E8.4	3	72	Post-med
E8.8	1	9	Post-med
E8.9	2	90	Post-med
E9.0	1	96	Post-med
E9.3	1	20	Post-med
	34	**616**	
F0.1	4	262	Post-med. One sub-square peg hole
F0.3	2	43	Post-med
F0.5	1	18	Post-med
F0.6	2	44	Post-med
F0.8	1	24	Post-med
F1.1	1	83	Post-med
F1.3	3	131	Post-med
F1.5	2	38	Post-med
F1.7	1	52	grey slate *c*.19th cent
F2.8	1	31	Post-med
F3.0	1	88	?Post-med
F3.2	1	41	Post-med
F3.3	2	29	Post-med
F3.6	2	70	Post-med

Field co-ordinates	No	Wt(g)	Comments
F3.7	1	21	Post-med
F3.8	1	22	?Post-med
F3.9	1	30	Post-med
F4.0	1	3	Post-med
F4.1	1	68	Post-med
F4.2	1	19	Post-med
F4.3	2	17	Post-med
	32	**1134**	
G6.1	1	66	Post-med
G7.1	1	85	Post-med
G8.1	2	36	Post-med
	4	**187**	
H0.0	1	53	Post-med. Sub-square peg hole. Two peg hole type tile
H1.0	2	34	Post-med
H1.1	3	15	??
H3.0	2	104	Post-med
H3.1	2	34	Post-med
H4.1	1	17	?Post-med
	11	**257**	
I8.2	1	47	?Post-med
I8.3	1	63	Post-med
I8.7	1	40	Post-med
I9.2	2	40	Post-med
I9.3	1	9	Post-med
I9.4	1	32	Post-med
I9.5	1	22	Post-med
I9.7	1	11	Post-med
I9.8	1	18	Post-med
I9.9	1	54	Post-med
	11	**336**	
J0.2	1	31	Post-med
J0.3	2	93	Post-med
J0.4	3	46	Post-med
J0.5	2	14	Post-med
J0.7	2	9	Post-med
J0.8	1	14	Post-med
J0.9	4	60	Post-med
J1.3	3	58	Post-med
J1.6	3	13	Post-med
J1.7	1	7	Post-med
J1.8	1	2	Post-med
J2.2	1	7	Post-med
J2.3	1	16	Post-med

Field co-ordinates	No	Wt(g)	Comments
J2.5	1	12	Post-med
J2.9	1	67	?Post-med
J3.2	3	39	Post-med. 1 sub-round peg hole
J3.3	1	3	??
J3.4	2	32	Post-med
J3.6	1	10	Post-med
J3.8	2	28	Post-med
J3.9	3	24	Post-med
J7.4	1	47	Post-med
J7.6	1	25	?Post-med
J8.2	1	2	??
J8.3	1	5	??
J8.5	2	30	Post-med
J8.7	1	46	?Tile
J9.2	2	36	Post-med
J9.5	2	22	Post-med
J9.6	2	14	Post-med
J9.7	1	6	Post-med
J9.8	2	30	Post-med
J9.9	1	3	??
	56	**851**	
K0.6	1	13	Post-med
K0.9	1	15	Post-med
K1.3	2	24	Post-med
K2.5	1	19	Post-med
K3.3	1	2	??
K3.9	2	37	Post-med
K4.3	1	8	Post-med
K4.5	2	9	Post-med
K5.3	1	15	Post-med
K6.3	1	17	Post-med
K6.4	2	16	Post-med
K6.7	1	22	?Post-med. Could be Roman
K7.2	1	36	?Post-med. Could be Roman
K9.2	5	71	Post-med
K9.3	1	3	Post-med
K9.4	2	36	Post-med
	25	**343**	
L8.2	2	15	Post-med
L8.3	5	40	Post-med
L8.4	5	69	Post-med
L9.0	1	8	Post-med
L9.1	3	155	Post-med

Field co-ordinates	No	Wt(g)	Comments
L9.4	1	20	Post-med
	17	**307**	
M0.1	1	17	Post-med
M0.2	1	11	Post-med
M1.0	1	13	?Post-med
M1.2	3	26	Post-med
M2.0	4	28	Post-med
M2.1	7	72	Post-med
M2.2	2	34	Post-med
M2.3	2	56	Post-med
M2.4	1	28	Post-med
M3.0	1	40	Post-med
M3.1	2	47	Post-med
M3.2	4	87	Post-med
M4.8	1	27	Post-med
M5.9	1	13	Post-med
M6.0	1	6	??
M6.2	1	11	?Post-med
M6.6	4	23	Post-med
M6.8	3	43	Post-med
M6.9	2	20	Post-med
M7.0	1	8	Post-med
M7.2	1	24	Post-med
M7.4	1	3	??
M8.2	3	14	Post-med
M8.5	2	12	Post-med
M8.7	4	59	Post-med
M9.3	2	48	Post-med
M9.4	1	3	??
M9.5	1	17	Post-med
M9.6	3	54	Post-med
M9.7	4	19	???
M9.8	1	10	Post-med
	66	**873**	
N0.0	1	2	???
N0.2	1	44	Post-med
N0.3	1	12	Post-med
N1.0	1	7	Post-med
N1.2	1	40	Post-med
N1.3	1	30	Post-med
N1.9	1	28	Post-med
N2.2	1	34	Post-med
N2.4	1	14	Post-med
N2.9	2	85	Post-med

Field co-ordinates	No	Wt(g)	Comments
N3.9	1	2	Post-med
N4.4	1	31	Post-med
N6.0	2	36	Post-med
N6.1	1	6	Post-med
N6.2	1	3	??
N6.3	3	81	Post-med
N7.0	1	5	Post-med
N7.3	1	13	Post-med
N7.4	1	28	Post-med
N8.0	1	25	Post-med
N8.2	2	25	Post-med
N8.3	4	47	Post-med
N9.3	1	16	Post-med
	31	**614**	
O8.1	1	12	Post-med
O9.1	2	11	Post-med
	3	**23**	
P0.0	2	19	Post-med
P0.1	1	20	Post-med
P0.2	2	45	Post-med
P1.1	1	10	?Post-med
P1.3	1	11	Post-med
P2.3	1	10	Post-med
P3.1	2	72	?Post-med
P3.2	3	32	Post-med
P3.4	1	3	??
P4.0	2	28	Post-med
P4.1	3	43	Post-med
P4.2	1	8	Post-med
P4.3	1	11	Post-med
P5.6	1	11	Post-med
	22	**323**	
Q4.9	1	36	Post-med
	1	**36**	
R1.2	1	19	Post-med
R1.3	5	45	Post-med
R1.4	2	30	Post-med
R1.5	2	40	?Post-med. One could be Roman?
R1.6	2	15	Post-med
R1.8	5	73	Post-med
R1.9	3	53	Post-med
R2.1	1	26	Post-med
R2.2	1	12	Post-med

Field co-ordinates	No	Wt(g)	Comments
R2.4	2	66	?Post-med
R2.6	1	38	?Post-med
R2.8	1	9	Post-med
R2.9	4	114	Post-med. One sub-square peg hole
R4.0	1	6	Post-med
R4.9	1	45	?Post-med
R5.0	2	50	?Post-med
R5.1	3	76	Post-med
R5.5	3	60	Post-med
R5.6	1	3	Post-med
R5.7	1	16	Post-med
R5.8	2	67	Post-med
R6.4	2	61	Post-med
R6.7	1	3	Post-med
R6.9	3	96	Post-med
R7.2	2	78	?Post-med
R7.6	1	24	Post-med
R7.7	1	3	??
R7.8	1	30	?Post-med. Could be Roman
R7.9	1	32	Post-med
R8.4	1	30	?post-med
R8.7	1	8	Post-med
R9.9	1	39	Post-med
	59	**1267**	
T0.5	1	17	Post-med
T0.7	1	39	Post-med
T1.8	1	18	Post-med
T1.9	1	13	Post-med
T2.8	2	41	Post-med
T3.7	1	43	Post-med
T3.9	1	27	Post-med
T5.7	1	15	Post-med
T5.9	1	16	Post-med
	10	**229**	
U1.0	4	69	Post-med
U1.3	1	16	Post-med
U1.4	3	34	Post-med
U1.5	1	25	Post-med
U1.7	1	20	Post-med
U1.8	3	63	Post-med
U1.9	3	45	Post-med
U2.4	1	15	Post-med
U2.7	1	8	Post-med

Field co-ordinates	No	Wt(g)	Comments
U2.8	2	58	Post-med
U3.0	1	42	Post-med
U3.1	2	67	Post-med
U3.2	1	11	Post-med
U3.3	1	27	Post-med
U3.8	3	46	Post-med
U3.9	2	21	Post-med
U5.0	1	21	?Post-med
U5.2	4	78	Post-med
U5.3	1	18	Post-med
U5.4	2	12	Post-med
U5.5	1	23	Post-med
U5.7	4	40	Post-med
U5.8	3	73	Post-med
U5.9	1	25	Post-med. Sub-round peg hole
U6.9	2	68	Post-med
U7.4	1	7	Post-medieval
U7.5	1	17	Post-med
U7.7	2	44	Post-med
U7.9	1	14	Post-med
U8.0	1	23	Post-med
U8.6	1	5	Post-med
U8.7	1	26	Post-med
U8.8	1	22	Post-med
U9.4	1	13	Post-med
U9.7	1	26	Post-med
	60	**1122**	
V0.0	1	12	Post-med
V0.4	2	60	Post-med
V0.5	2	34	Post-med
V1.0	1	7	Post-med
V1.6	1	5	Post-med
V1.9	2	16	Post-med
V2.0	2	28	Post-med
V2.7	1	32	Post-med
V2.8	1	16	Post-med
V3.2	1	45	?Post-med
V4.3	1	2	Post-med
V4.7	2	81	Post-med
V5.1	1	30	Post-med
V5.4	2	52	Post-med
V5.6	2	11	Post-med
	23	**443**	
W1.0	4	100	Post-med

Field co-ordinates	No	Wt(g)	Comments
W2.0	1	26	Post-med
W3.0	1	26	Post-med
W5.0	1	49	Post-med
	7	**201**	
X2.0	1	10	Post-med
X3.0	4	126	3 Post-med peg tile and 1 grey slate c.19th cent
X4.0	1	3	??
X5.0	1	28	?Post-medieval
	7	**167**	

Table 7: Catalogue of post-medieval to 19th century roof tile

Field co-ordinates	No	Wt(g)	Comments
D0.0	1	92	19th/20th cent drain
	1	**92**	
H3.0	1	54	19th/20th cent drain
	1	**54**	
J3.9	1	23	Drain
	1	**23**	
K4.8	1	90	19th/20th cent drain
K5.8	1	37	19th/20th cent drain
K9.3	4	120	19th/20th cent drain
	6	**247**	
L8.0	1	23	?Drain
	1	**23**	
N9.1	1	35	19th/20th cent drain
	1	**35**	
P0.1	1	28	Drain
P4.1	2	38	Drain
	3	**66**	
U2.1	1	11	19th/20th cent drain
U7.9	2	32	19th/20th cent drains. One in orange sandy fabric and one yellow sandy.
U.9.9	1	62	19th/20th cent drain
	4	**105**	
V3.7	1	41	19th/20th cent drain
	1	**41**	
X5.0	1	11	19th/20th cent drain
	1	**11**	

Table 8: Catalogue of drain fragments

3.5 Glass, Clay tobacco pipe, Shell and Metal Working Debris

Context	Count	Type	Spot date
D12	1	Vessel	Post-medieval
D35	1	Bottle	19th century
D48	1	Window	Post-medieval/modern
E42	1	Vessel	Post-medieval
E75	1	Vessel	Victorian
F13	1	Bottle	Post-medieval
F17	1	Window	Post-medieval
F47	1	Vessel	Victorian
I93	1	Vessel	17th-18th century
K92	1	Bottle	Post-medieval
U52	1	Window	Post-medieval
U58	1	Vessel	Post-medieval
V14	1	Vessel	Post-medieval

Table 9: Quantification of Glass.

Context	Count
J23	1
K82	1
M85	1

Table 10: Quantification of clay tobacco pipe.

Context	Count
X30	1

Table 11: quantification of Oyster Shell.

Context	Count
F59	1
R14	1
R54	1
R55	1
R56	1
R95	1
V18	1

Table 12: Quantification of Metal working Debris.

3.6 Geotechnical Trial Pits Results

Introduction

3.6.1 Preliminary site investigation work by Geosphere comprising of test pits, soakaways and boreholes were carried out in March 2016. OA East monitored these works from the 7/3/16 to the 9/3/16 and on the 14/03/16. The results of the trial pits were recorded.

Results

Trench Area 1

3.6.2 Trench area 1 was located in the south-western quadrant of the development area. Two trial pits were excavated. The trial pits were excavated to a length of 2.2m and a width of 0.32m. The subsoil (102) was a mid brown silt clay, overlain by a topsoil (101) that was a dark brown silt clay.

Trench Number	Orientation	Depth of Top Soil (101) (m)	Depth of Sub Soil (102) (m)	Archaeological Features	Finds	Natural Geology
17	East to West	0.32	0.36	-	-	Superficial,clay, silt,sand and gravel
29	East to West	0.29	0.31	-	-	Superficial,clay, silt,sand and gravel

Table 13-Test pit results in Trench area 1

Trench Area 2

3.6.3 Trench Area 2 was located in the eastern half of the site. A total of 10 trial pits were excavated. The trial pits were excavated to a length of 2m and a width of 0.32m. The sub soil (102) was a mid grey brown silt clay, this was overlaid by the top soil (101), this was a mid dark brown silt clay. No archaeological features or finds were recorded in any of the trial pits.

3.6.4

Trench Number	Orientation	Depth of Top Soil (101) (m)	Depth of Sub Soil (102) (m)	Archaeological Features	Finds	Natural Geology
06	North to South	0.28	0.32	-	-	Superficial,clay,silt,sand and gravel
08	East to West	0.37	0.30	-	-	Superficial,clay,silt,sand and gravel
11	East to West	0.32	0.26	-	-	Nodular chalk formation
21	North to South	0.27	0.32	-	-	Nodular chalk formation

Trench Number	Orientation	Depth of Top Soil (101) (m)	Depth of Sub Soil (102) (m)	Archaeological Features	Finds	Natural Geology
22	North to South	0.27	0.37	-	-	Superficial gravel, sand and silt
23	East to West	0.26	0.22	-	-	Nodular chalk formation
24	East to West	0.25	0.24	-	-	Nodular chalk formation
25	East to West	0.37	0.40	-	-	Bedrock, Thanet sand, clay and silt
26	East to West	0.25	0.38			Bedrock, Thanet sand, clay and silt
27	East to West	0.24	0.38	-	-	Nodular chalk formation

Table 14-Test pit results in Trench area 2

Trench Area 3

3.6.5 Trench area 3 was located in the north-western quadrant of the development area. A total of seven test pits were excavated, the length of the trenches was 1.60m in length and 0.35m in width. The sub-soil (102) was a mid grey brown silt clay, overlain by a dark brown silt clay (101) top soil. No archaeological features or finds were recorded in the trial pits.

Trench Number	Orientation	Depth of Top Soil (101) (m)	Depth of Sub Soil (102) (m)	Archaeological Features	Finds	Natural Geology
10	North to South	0.26	0.20	-	-	Superficial,clay,silt,sand and gravel
20	North to South	0.36	-	-	-	Superficial,clay,silt,sand and gravel
41	East to West	0.26	-	-	-	Thanet sand and lambeth clay,silt and sand
42	East to West	0.28	-	-	-	Thanet sand and lambeth clay,silt and sand
44	East to West	0.32	0.21	-	-	Thanet sand and lambeth clay,silt and sand
45	East to West	0.28	0.20	-	-	Superficial,clay,silt,sand and gravel
47	North to South	0.26	0.20	-	-	Thanet sand and lambeth clay,silt and sand

Table 15-Test pit results in Trench area 3

3.6.6 Although some modern CBM and unworked flint was noted within the topsoil (101) there was no evidence of any archaeological features or finds within the individual trial pits.

4 Discussion and Conclusions

4.1 Prehistoric

4.1.1 There appears to be have been a concentration of struck lithics in the north-western area. The source of this concentration may be sub-surface features, which have been truncated by ploughing, or else it represents material originally deposited on the grounds surface, which has become incorporated within the ploughsoil.

4.2 Roman

4.2.1 There is a distinct concentration of Roman ceramic building material at the northern end of the central area. This is due to the presence of the scheduled Roman building adjacent to this area.

4.3 Recommendations

4.3.1 Recommendations for any future work based upon this report will be made by the County Archaeology Office.

Appendix A. Finds Reports

A.1 Lithics

By Lawrence Billington

Introduction and Quantification

A.1.1 A total of 280 lithics recovered during the fieldwalking programme were submitted for assessment. These comprise 257 worked flints, seven fragments of unworked burnt flint (141g) and 16 unworked, natural, pieces. A basic quantification of the assemblage by 100m grid square and area (i.e.fields A, B/C and D) is given in Table 16. A full catalogue by 10m collection units is provided in Table 17. Individual lithics were recorded and classified according to a simple typo-technological scheme. No detailed recording of technological attributes or metric analysis was undertaken.

Field/Area	100m Square	Chip	Irregular Waste	Flake	Blade/Bladelet	Blade-like Flake	Narrow Flake	Core	Core Fragment	Scraper	Backed Knife	**Totals Worked Flint**	Unworked Burnt Flint No.	Unworked Burnt Flint Weight (g)	Natural
Field A	C			1								**1**			1
	D		2	47	2	2	1		1	2		**57**	2	21.1	1
	E	1	1	40	3	4	2	1		1		**53**	1	38.2	2
	F	3	3	35	1	2	4	2	1		1	**52**			1
	F				1							**1**			
	G			2		1						**3**			
	H			1			1					**2**			2
	Sub total	*4*	*6*	*126*	*7*	*9*	*8*	*3*	*2*	*3*	*1*	***169***	*3*	*59.3*	*7*
Field B/C	I			1								**1**	1	2.6	
	J		1	16			1					**18**	2	36	2
	K			10								**10**			1

	L			4								**4**			
	M			13	1							**14**	1	43.3	4
	M			1								**1**			1
	N	1		7								**8**			1
	P			3				1				**4**			
	Sub total	*1*	*1*	*55*	*1*		*1*	*1*				***60***	*4*	*81.9*	*9*
Field D	Q			3								**3**			
	R			5		1						**6**			
	T			2								**2**			
	U		1	8		1	1					**11**			
	V			5								**5**			
	X			0		1						**1**			
	Sub total		*1*	*23*		*3*	*1*					***28***			
Total		**5**	**8**	**204**	**8**	**12**	**10**	**4**	**2**	**3**	**1**	**257**	**7**	**141.2**	**16**

Table 16- Basic quantification of the flint assemblage by field/area and 100m grid square.

Raw Materials

A.1.2 The assemblage is made up entirely of flint, generally fine grained and of good quality but with occasional thermal flaws. The colour of the flint varies but is predominantly dark grey/black. The vast majority of surviving cortical surfaces are relatively thin, hard and abraded and the size of removals and cores suggest the use of relatively small nodules/cobbles of flint derived from secondary sources. One flake (context D9) has a thick and relatively unweathered cortex which might reflect the use of non-local flint obtained from primary sources on the chalk, which, at its closest, outcrops some 10km north west of the site, where it is exposed on the sides of the valleys of the Ash and the Lea.

Condition

A.1.3 The condition of the assemblage is entirely consistent with material recovered from a ploughzone context. Edge damage resulting from disturbance by cultivation is very common, including 'pseudo-retouch' and 'plough notches' (cf Mallouf 1982) and is sometimes severe enough to have destroyed traces of intentional retouch or use.

A.1.4 A small proportion of the worked flint, fifteen pieces, displays cortication ('patination'), varying from a light blue sheen through to a heavy opaque white. This cortication appears to have some chronological significance - although corticated pieces represent just 6% of the worked flint they include almost half of the blade based pieces from the assemblage, suggesting a tendency for Mesolithic/Earlier Neolithic material to be corticated.

Distribution

A.1.5 Although the assemblage derives from three areas of broadly equivalent size, the majority of the worked flint, 66%, was recovered from Field A, most of which derived from three 100m squares (D,E and F). This concentration of lithics if Field A also contained all of the retouched tools identified in the assemblage. Overall, densities of worked flint ranged from 0 to 10 per 10m collection unit, with the highest densities, unsurprisingly, coming from Field A. In general there is little variation between the three areas in terms of raw materials and technology, although it is notable that blade based pieces are poorly represented in the material from Field B/C and best represented in the main concentration of flint in Field A.

Composition and characterisation

A.1.6 The worked flint assemblage is overwhelmingly dominated by unretouched material, with just four retouched tools accounting for 1.6% of the total assemblage, although this figure may have been affected by the frequent edge damage noted above which may have obscured intentional retouch in some cases. A small proportion of the assemblage is made up of blade based material typical of Mesolithic and earlier Neolithic technologies. These include blades, bladelets and blade-like flakes (total 20) alongside a number of other systematically worked flakes with technological features consistent with blade based reduction strategies and a single platform blade core from F0. There is considerable variation in the technological traits of this blade based material, which includes fine prismatic bladelets alongside somewhat more irregular and expediently produced forms. Some of the finer bladelets and blades are almost certainly of Mesolithic date and it seems likely that both Mesolithic and earlier Neolithic material is represented in the assemblage. No retouched tools can be confidently associated with this 'early' blade based material.

A.1.7 The majority of the assemblage is made of more generalised flake based material typical of later Neolithic and Early Bronze Age technologies. In very broad terms all stages of core reduction appear to be represented from decortication of nodules through to the discard of exhausted cores. Technological traits are varied, with some expediently produced pieces displaying unsystematic working of simple flake cores, with evidence for knapping errors in the form of hinged terminations and incipient cones of percussion. Alongside these pieces is evidence for more systematic and sophisticated core reduction, including several pieces with appear to derive from levallois-like/prepared platform cores which are a characteristic element of later Neolithic (Grooved Ware/Peterborough Ware associated) assemblages (Ballin 2010).

A.1.8 The four retouched pieces are not strictly diagnostic but most are consistent with a later Neolithic or Early Bronze Age date. These include a fine horseshoe scraper from D19 which has fine semi-invasive retouch of the kind most commonly associated with Early Bronze Age (Beaker/Collared Urn associated) assemblages as well as a small sub-circular/discoidal scraper from D8 and a short end scraper on a thick tertiary blank from E75. The final tool, from F46, is a fine blade like flake with abrupt retouch along one

lateral edge, probably to act as backing allowing the unretouched edge to be used as a cutting tool.

Discussion

A.1.9 The lithic assemblage recovered during the fieldwalking clearly attests to activity from the Mesolithic through to the Early Bronze Age, with the majority of the assemblage probably relating to the later Neolithic and Early Bronze Age. In this respect it would appear to be comparable to the somewhat smaller assemblage derived from evaluation trenching at the site in 2006 (Devaney 2007), although it is notable that both retouched pieces and cores were better represented in the 2006 assemblage – perhaps due to differences in recovery and/or the effects of previous episodes of surface collection at the site.

A.1.10 Due to the relatively small size and chronologically mixed nature of the assemblage no further detailed analysis is recommended. In the context of future work the assemblage should be reconsidered in the light of any material recovered during future work at the site and should be related to the record of other lithic scatters identified within the PDA during earlier fieldwork (i.e. Essex HER 14145-49, 17767).

Cxt	Chip	Irregular Waste	Primary Flake	Secondary Flake	Tertiary Flake	Secondary Blade	Tertiary Blade	Secondary Blade Like Flake	Tertiary Blade Like Flake	Secondary Bladelet	Tertiary Bladelet	Secondary Narrow Flake	Tertiary Narrow Flake	Core	Core Fragment	Scraper	Backed Knife	**Total Worked**	Unworked Burnt Flint No.	Unworked burnt flint weight (g)	Natural
C78																					1
C98					1													**1**			
D0				1														**1**			
D1				1														**1**			
D15					1													**1**			
D16				1														**1**			
D17				3											1			**4**			1
D19				3	3			1	1		1					1		**10**			
D2				2	2													**4**			
D20					2													**2**			
D22				1			1											**2**			
D26					1													**1**	1	12.7	
D29				1	1													**2**			
D3					1								1					**2**			
D34			1		2													**3**			
D35					1													**1**			
D36					1													**1**			
D38				1														**1**			
D45					1													**1**			
D46					1													**1**			
D48		1	1		2													**4**			
D50					1													**1**			

D52					1													**1**			
D57		1																**1**			
D58					1													**1**	1	8.4	
D59				1														**1**			
D6					2													**2**			
D7				2														**2**			
D8			1		1											1		**3**			
D9				2														**2**			
E40			1				1											**2**			
E44				2														**2**			
E46									1									**1**			
E47				4	2						1							**7**			
E48				1														**1**			
E63				1	1													**2**			
E64					1													**1**			
E66	1			1														**2**	1	38.2	
E67					1													**1**			
E69				2					1									**3**			
E72			1		1													**2**			
E73			1	1	1													**3**			1
E74			2		1			1										**4**			
E75												1	1			1		**3**			
E78				1														**1**			
E79										1								**1**			
E82																					1
E84		1		1														**2**			
E85				3														**3**			
E88				1														**1**			
E90					1													**1**			
E93					2									1				**3**			
E94					2													**2**			
E97				1				1										**2**			
E99				3														**3**			
F0				1										1				**2**			
F11	1		1	2	4										1			**9**			
F12		1		2														**3**			
F13	1			1	1													**3**			
F14							1											**1**			
F18				1														**1**			
F2					1									1				**2**			
F21				1	1													**2**			
F29				3	1													**4**			
F33				1														**1**			
F34		1		2														**3**			
F36				1														**1**			
F39												1						**1**			
F4					2													**2**			
F40					1				1									**2**			
F41							1		1									**2**			
F43					1													**1**			
F46					1												1	**2**			1
F47					1													**1**			

F48					1													**1**			
F5					1													**1**			
F55					1													**1**			
F59				1								1						**2**			
F6	1			1														**2**			
F7		1																**1**			
F9												2						**2**			
G61					2													**2**			
G90									1									**1**			
H1				1									1					**2**			
H10																					1
H11																					1
I85				1														**1**			
I86																			1	2.6	
J15				1														**1**			
J16				1														**1**			
J18				3														**3**			1
J2			1															**1**			
J27				1														**1**			
J28												1						**1**			
J32				1														**1**			
J64																					1
J79																			1	27.8	
J82		1		1	1													**3**			
J83					1													**1**	1	8.2	
J88				1														**1**			
J89					1													**1**			
J93				1														**1**			
J96				1														**1**			
J99				1														**1**			
K15				1														**1**			
K16				1	1													**2**			
K27					1													**1**			
K33				1														**1**			
K39				1														**1**			
K4																					1
K69				1														**1**			
K77					1													**1**			
K78				1														**1**			
K92				1														**1**			
L80					1													**1**			
L81				1														**1**			
L90				1														**1**			
L94					1													**1**			
M12					2													**2**			
M13					1													**1**			1
M22					1													**1**			1
M54					1													**1**			
M72																			1	43.3	
M80																					1
M82				2														**2**			
M86					1													**1**			1

M90					2													**2**			
M93				1														**1**			1
M95						1												**1**			
M96				1														**1**			
M97				1														**1**			
M98					1													**1**			
N16			1	1														**2**			
N18					1													**1**			1
N20				1														**1**			
N25				1														**1**			
N28				1														**1**			
N4				1														**1**			
N5	1																	**1**			
P13														1				**1**			
P31				1														**1**			
P41				1														**1**			
P55				1														**1**			
Q19			1															**1**			
Q29				1														**1**			
Q69				1														**1**			
R19				1														**1**			
R43				1														**1**			
R51				1				1										**2**			
R89				1														**1**			
R98				1														**1**			
T28					1													**1**			
T39					1													**1**			
U20				1														**1**			
U39				1														**1**			
U40				1														**1**			
U49				1														**1**			
U50		1		1					1									**3**			
U61				1														**1**			
U64			1															**1**			
U69					1													**1**			
U89												1						**1**			
V0				1														**1**			
V25				1														**1**			
V49				1														**1**			
V5				1														**1**			
V99					1													**1**			
X30									1									**1**			
Total	5	8	13	111	80	1	4	4	8	1	2	7	3	4	2	3	1	**257**	7	141.2	16

Table 17- Catalogue of flint by collection unit

Appendix B. Bibliography

Ballin, T. B. 2011. The Levallois-like approach of Late Neolithic Britain: a discussion based on finds from the Stoneyhill Project, Aberdeenshire. In Saville, A. *Flint and Stone in the Neolithic Period*. Oxford: Oxbow Books, 37-61

Devaney, R. 2007. Flint. In Oxford Archaeology [D. Sykes] *Gilden Way, Harlow, Essex. Archaeological Evaluation Report*. Oxford Archaeology Report, 19-21

Drummond-Murray, J. 2016. *Written Scheme of Investigation, Archaeological Fieldwalking at Harlowbury*. Oxford Archaeology East unpublished document.

Mallouf, R. J. 1982. An analysis of plow-damaged chert artifacts: the Brookeen Creek cache (41HI86), Hill County, Texas. Journal of Field Archaeology 9 (1), 79-98.

Appendix C. OASIS Report Form

All fields are required unless they are not applicable.

Project Details

OASIS Number	oxfordar3-239337		
Project Name	Fieldwalking of Land at Harlowbury, Essex		
Project Dates (fieldwork) Start	01-02-2016	Finish	03-02-2016
Previous Work (by OA East)	No	Future Work	Yes

Project Reference Codes

Site Code	HAGW16	Planning App. No.	
HER No.		Related HER/OASIS No.	

Type of Project/Techniques Used

Prompt	Direction from Local Planning Authority - PPS 5
Development Type	Housing Estate

Please select all techniques used:

☐ Aerial Photography - interpretation	☐ Grab-Sampling	☐ Remote Operated Vehicle Survey
☐ Aerial Photography - new	☐ Gravity-Core	☐ Sample Trenches
☐ Annotated Sketch	☐ Laser Scanning	☐ Survey/Recording Of Fabric/Structure
☐ Augering	☐ Measured Survey	☐ Targeted Trenches
☐ Dendrochronological Survey	☐ Metal Detectors	☐ Test Pits
☐ Documentary Search	☐ Phosphate Survey	☐ Topographic Survey
☐ Environmental Sampling	☐ Photogrammetric Survey	☐ Vibro-core
☒ Fieldwalking	☐ Photographic Survey	☐ Visual Inspection (Initial Site Visit)
☐ Geophysical Survey	☐ Rectified Photography	

Monument Types/Significant Finds & Their Periods

List feature types using the NMR Monument Type Thesaurus and significant finds using the MDA Object type Thesaurus together with their respective periods. If no features/finds were found, please state "none".

Monument	Period	Object	Period
	Select period...	flint	Neolithic -4k to -2k
	Select period...	pottery	Roman 43 to 410
	Select period...	ceramic building mat	Roman 43 to 410

Project Location

County	essex	Site Address (including postcode if possible)	
District	Harlow	land off Gilden Way, Harolw, Essex,	
Parish	Old Harlow		
HER	Essex		
Study Area	65ha	National Grid Reference	TL 4815 1225

Project Originators

Organisation	OA EAST
Project Brief Originator	Maria Medlycott
Project Design Originator	James Drummond-Murray
Project Manager	James Drummond-Murray
Supervisor	Nick Gilmour

Project Archives

Physical Archive	Digital Archive	Paper Archive
Harlow museum	OA East	harlow Museum
HAGW16	HAGW16	HAGW16

Archive Contents/Media

	Physical Contents	Digital Contents	Paper Contents
Animal Bones	☐	☐	☐
Ceramics	☒	☒	☒
Environmental	☐	☐	☐
Glass	☒	☒	☒
Human Bones	☐	☐	☐
Industrial	☒	☒	☒
Leather	☐	☐	☐
Metal	☐	☐	☐
Stratigraphic		☐	☐
Survey		☐	☐
Textiles	☐	☐	☐
Wood	☐	☐	☐
Worked Bone	☐	☐	☐
Worked Stone/Lithic	☒	☒	☒
None	☐	☐	☐
Other	☐	☐	☐

Digital Media	**Paper Media**
☐ Database	☐ Aerial Photos
☒ GIS	☐ Context Sheet
☐ Geophysics	☐ Correspondence
☐ Images	☐ Diary
☒ Illustrations	☐ Drawing
☐ Moving Image	☐ Manuscript
☐ Spreadsheets	☐ Map
☐ Survey	☐ Matrices
☒ Text	☐ Microfilm
☐ Virtual Reality	☐ Misc.
	☐ Research/Notes
	☐ Photos
	☐ Plans
	☒ Report
	☐ Sections
	☐ Survey

Notes:

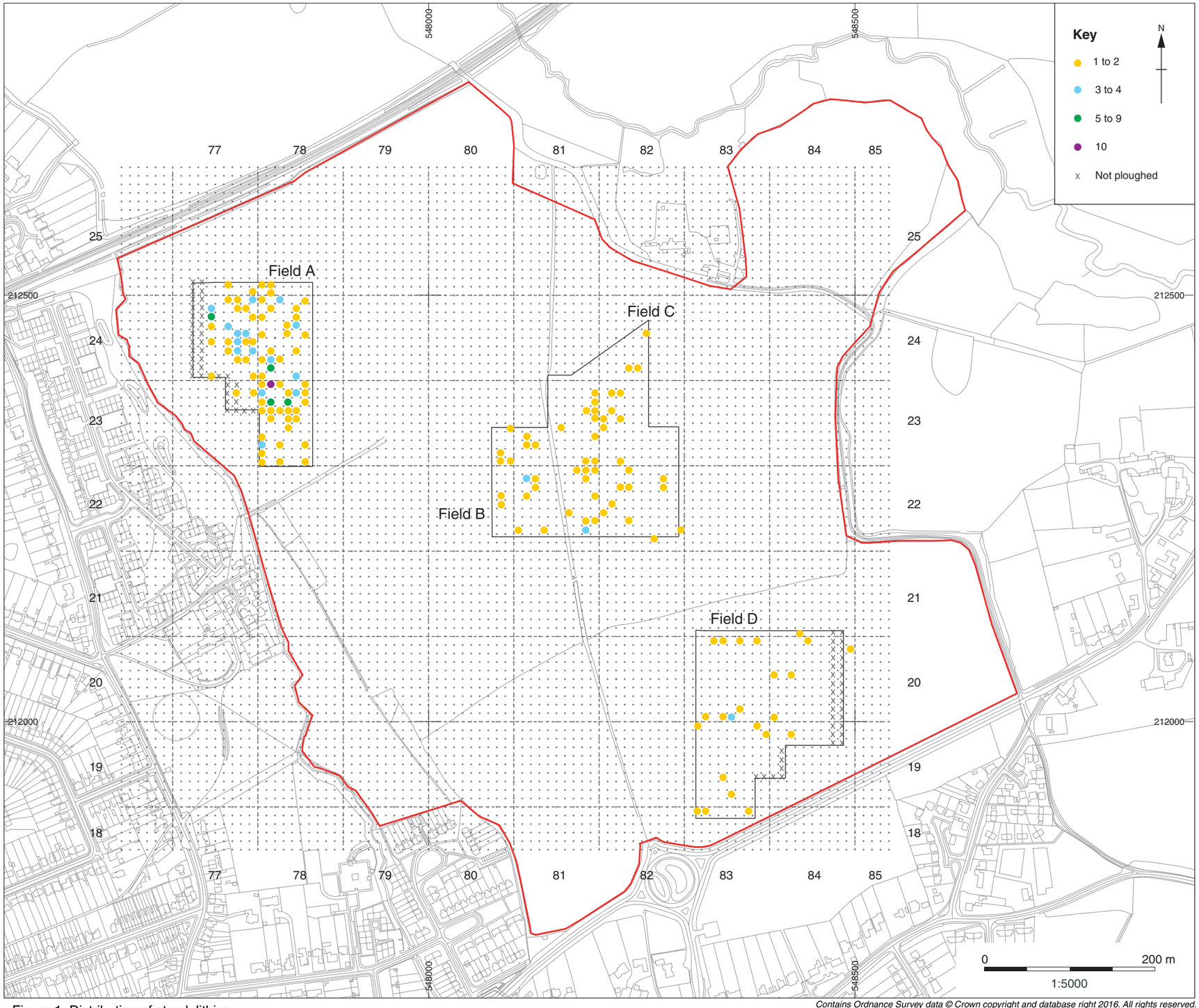

Figure 1: Distribution of struck lithics.

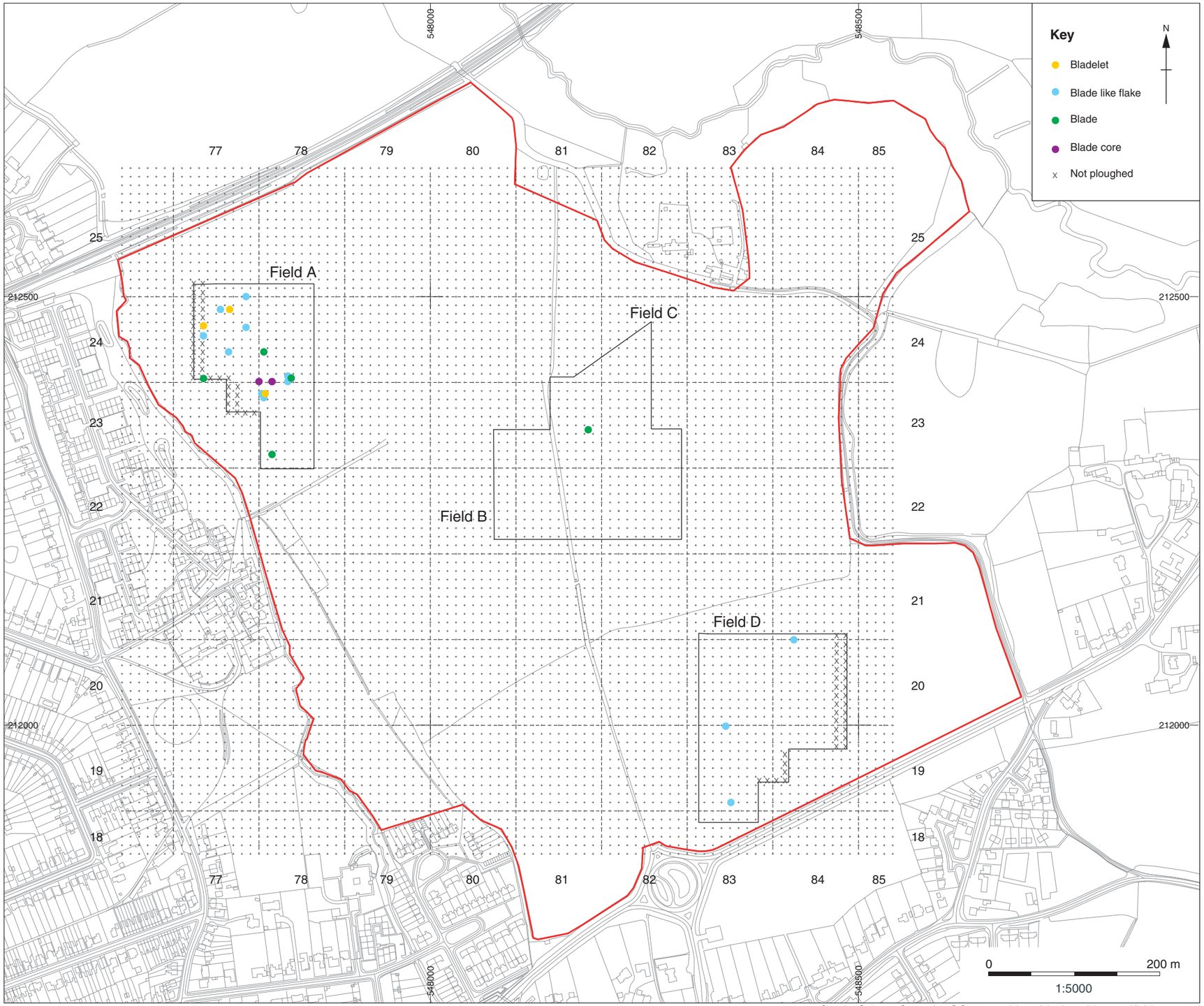

Figure 2: Distribution of Mesolithic/early Neolithic struck lithics

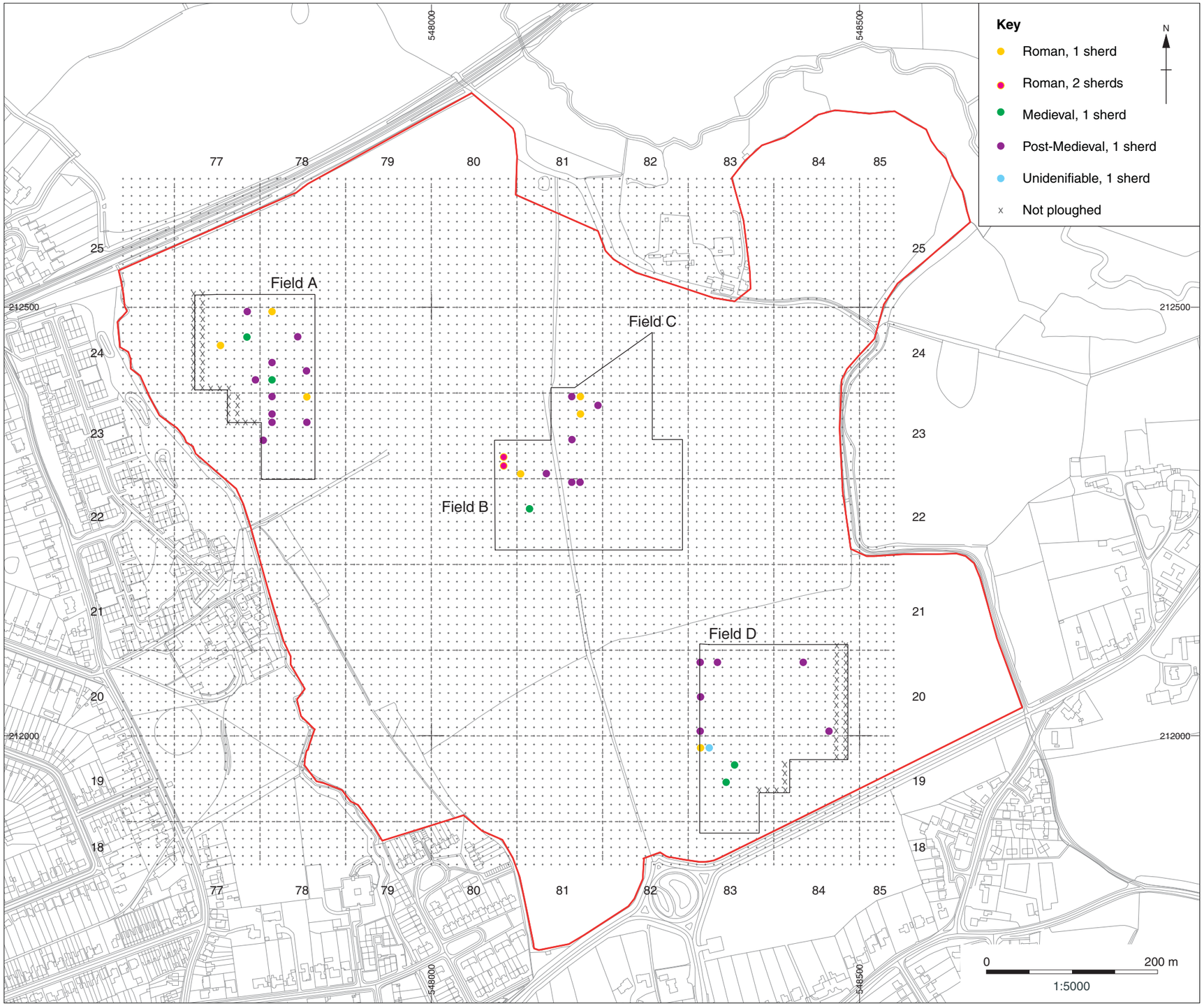

Figure 3: Distribution of Pottery.

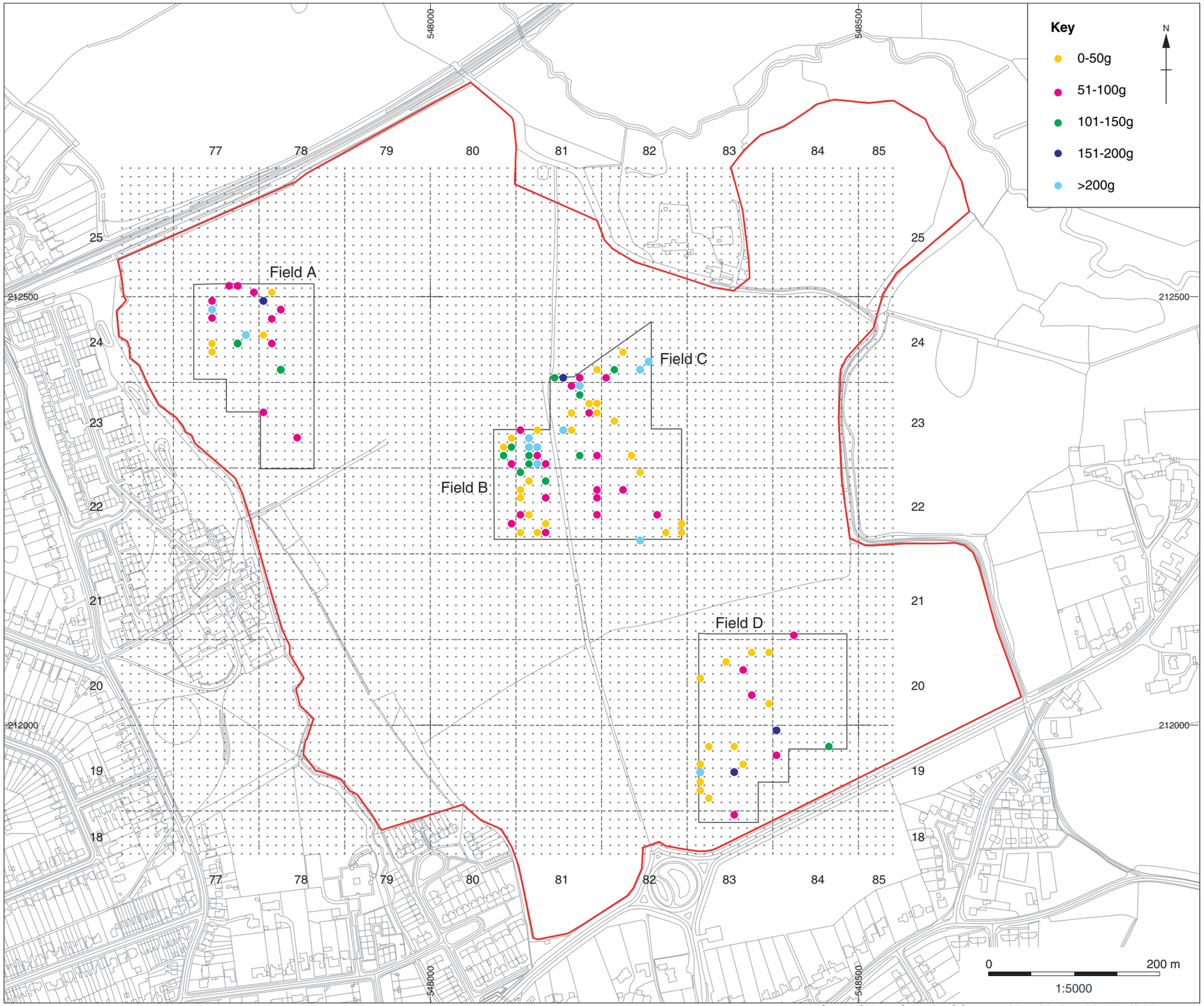

Figure 4a: Distribution of Roman ceramic building material.

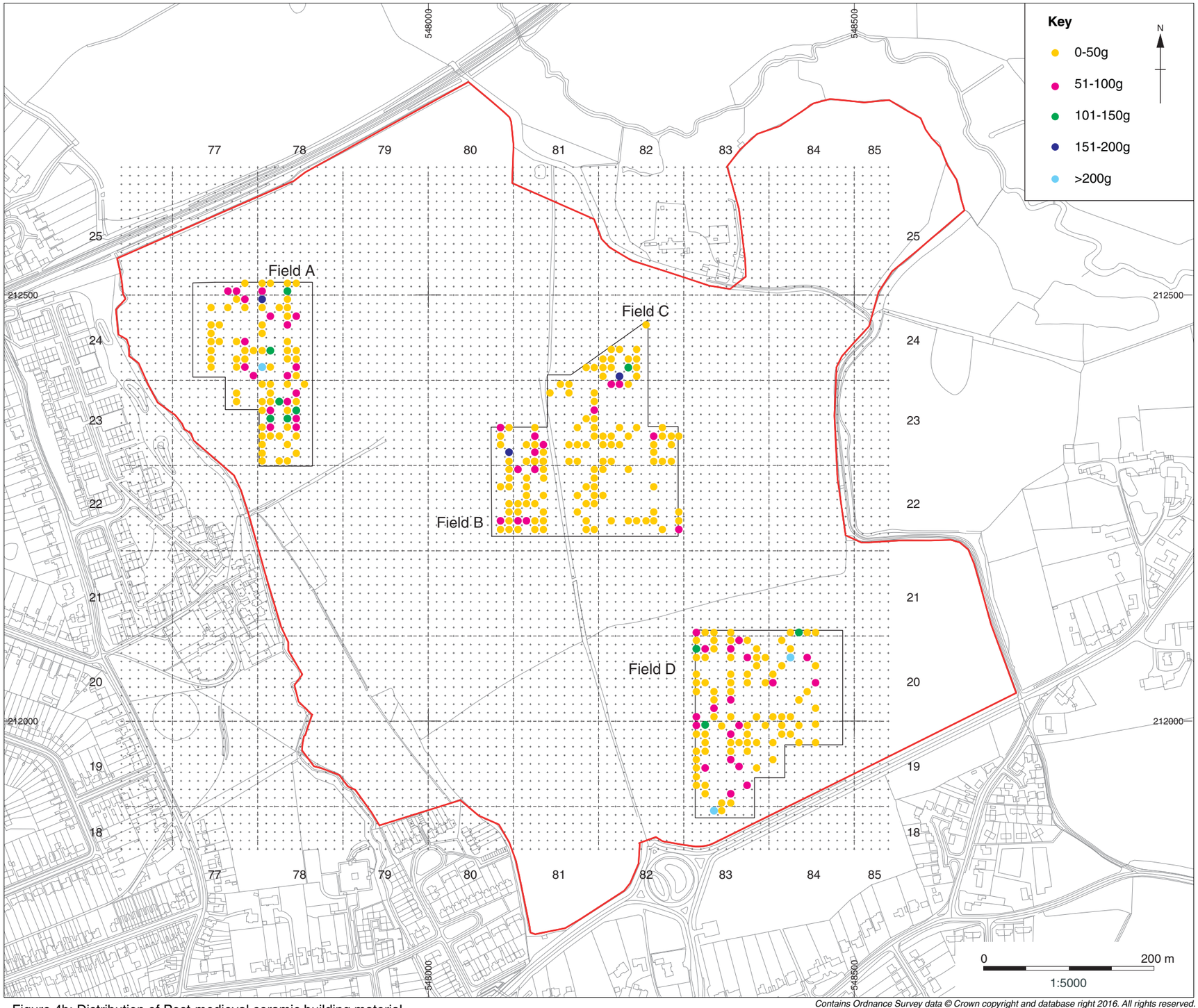

Figure 4b: Distribution of Post-medieval ceramic building material.

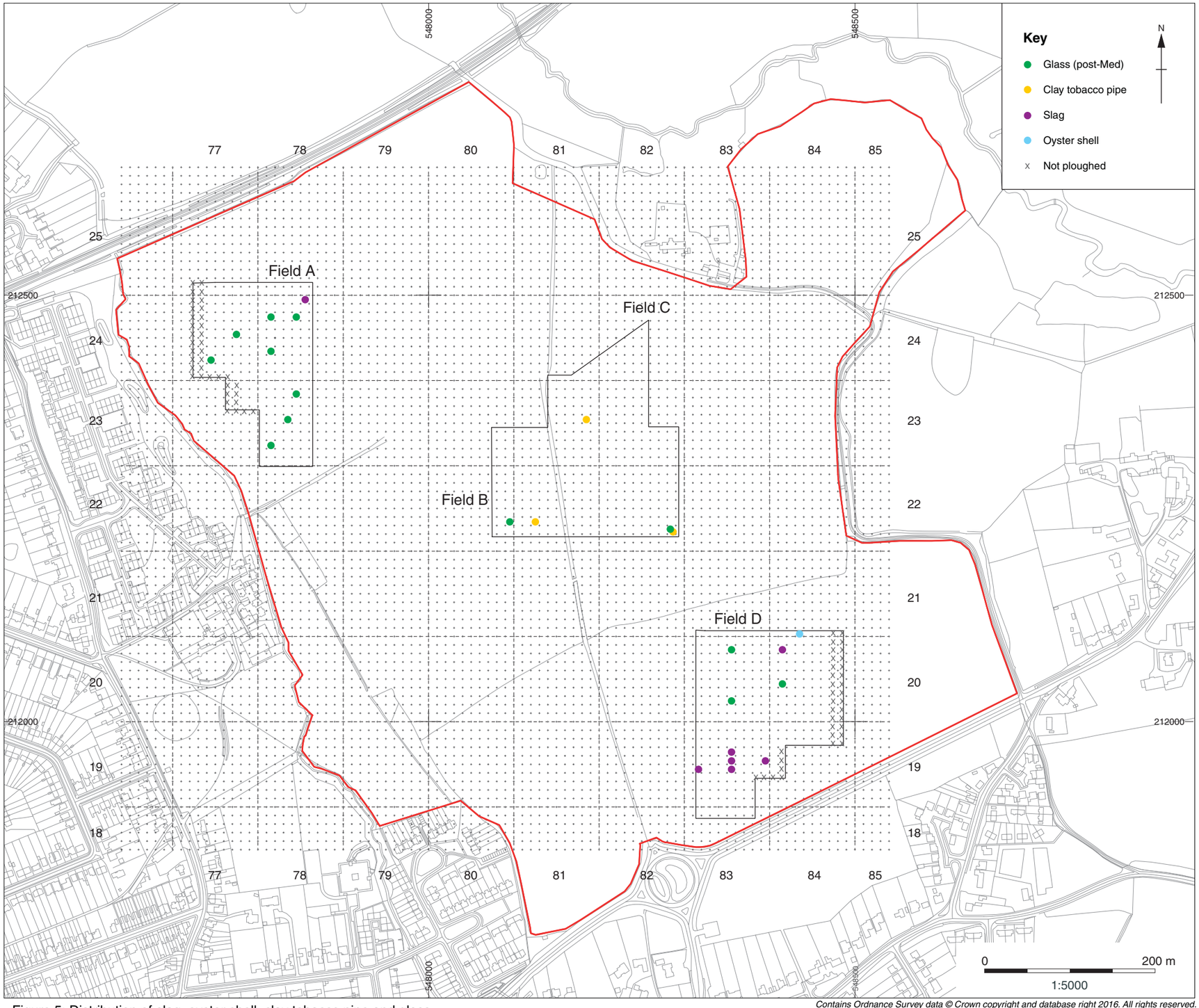

Figure 5: Distribution of slag, oyster shell, clay tobacco pipe and glass.

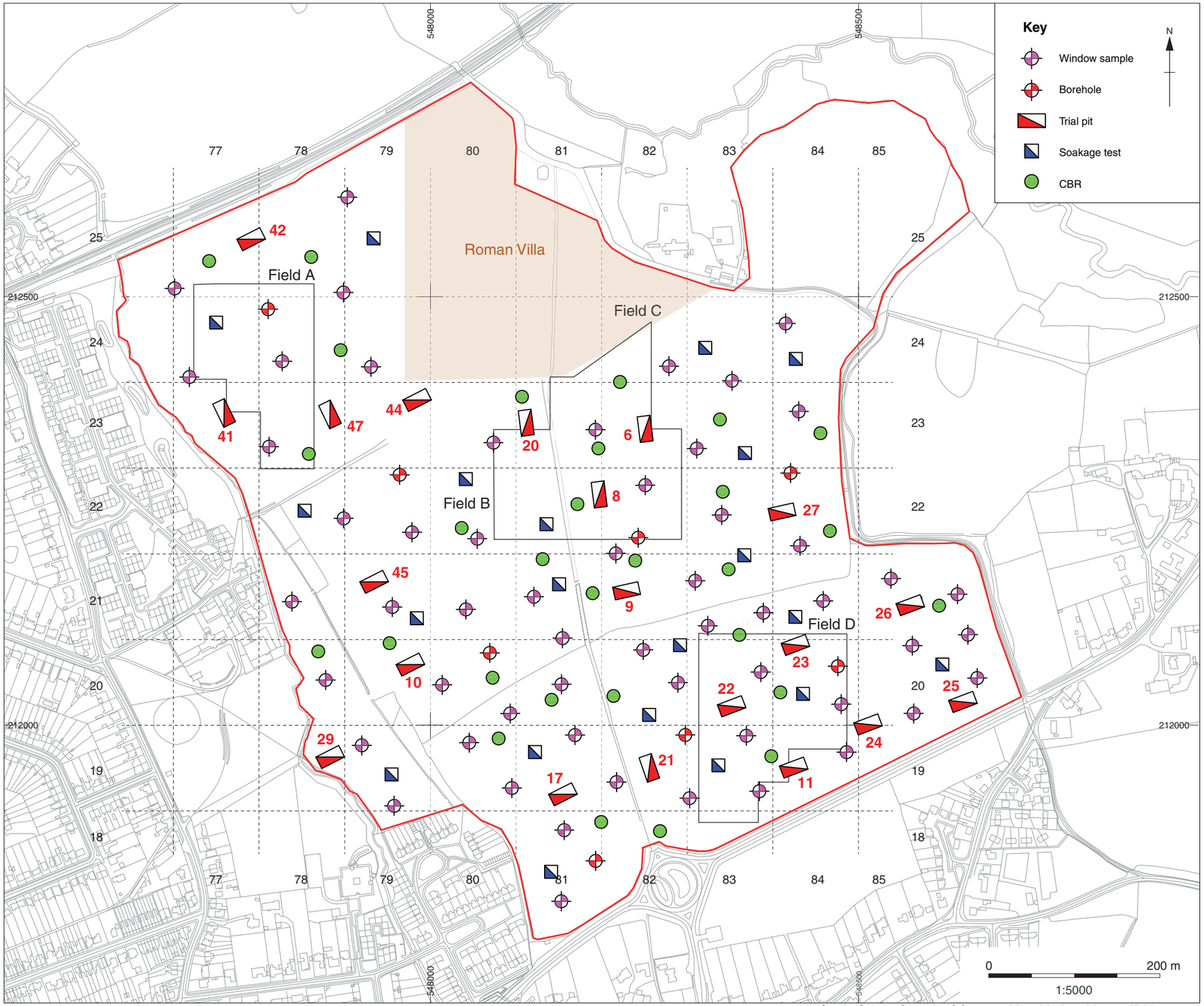

Figure 6: Location of trial pits, data supplied by Geosphere Environmental Ltd.

Plate 1: Trial pit 6, from the west

Plate 2: Trial pit 26, from the south

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