

# Archaeological fieldwalking survey on land west of Normandy Way Hinckley, Leicestershire October 2014

Revision July 2015

Report No. 14/253

Author: Yvonne Wolframm-Murray

Illustrator: Yvonne Wolframm-Murray





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NGR: 452180 303440

MOLA Bolton House Wootton Hall Park Northampton NN4 8BN 01604 700 493 www.mola.org.uk sparry@mola.org.uk

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# **STAFF**

Project Manager: Adam Yates BA MIfA

Fieldwork: Emma Bayley BA

Grant Bettinson BA

Chris Chinnock BA MSc PIfA

Laura Cogley BA

George Everest-Dine BA MA

Pietr Kieca MA

William Morris BA

Lexi Scard BA

Tim Sharman BA

Andrew Smith BA

Piotr Szczepanik BA

Yvonne Wolframm-Murray BSc PhD

Text: Yvonne Wolframm-Murray

Pottery: Tora Hylton

Paul Blinkhorn BTech

Ceramic building material: Pat Chapman

Flint: Yvonne Wolframm-Murray

Illustrations: Yvonne Wolframm-Murray

# **OASIS REPORT FORM**

PROJECT DETAILS	Oasis No. molanor	1-201047
Project title	An Archaeological Field Normandy Way, Hinckl	dwalking Survey on land west of ev. Leicestershire
Short description	MOLA Northampton was undertake a fieldwalkin Hinckley, Leicestershir of the topsoil. Of participation implements (MLE 6067 northern end of the surface two slight concentrations corner and along the was recovered in the rand pits identified in the	as commissioned by CgMs Consulting to g survey on land west of Normandy Way, e to characterise the artefactual content cular note were two Palaeolithic quartzite I) recovered prior to current works at the rvey area. The fieldwalking survey noted ons of worked flint in the north-western eastern edge of the site. Roman pottery north-western corner close to the ditches he concurrent geophysical survey. There bution of medieval and post-medieval
Project type	Fieldwalking	
Site Status	-	
Previous work	Geophysical survey (Fi	sher 2014) and Walford (2014)
Current land use	Arable fields	
Future work	Unknown	
Monument type		
and period	-	
Significant finds	-	
PROJECT LOCATION		
County	Leicestershire	
Site address	Land off west of Norma	ndy Way, Hinckley, Leicestershire
Post code	-	
OS co-ordinates	SP 4070 9470	
Area (sq m/ha)	45ha	
Height aOD PROJECT CREATORS	90-100 aOD	
	MOLA Northampton	
Organisation Project brief originator	MOLA Northampton Leicestershire County (	Council
Project Design originator	CgMS Consulting Ltd	Council
Director/Supervisor	Yvonne Wolframm-Mur	rav
Project Managers	Adam Yates (MOLA) S	
Sponsor or funding body	CgMs Consulting Ltd	inion worthic (egivis)
PROJECT DATE	Ogivio Corioditing Ltd	
Start date	October 2014	
End date	October 2014	
ARCHIVES	Location (Accession no.)	Contents
Physical	Leicestershire	Pottery and bone
Paper	Museums	Site records (1 small archive box)
Digital	X.A125.2014	Client report PDF
BIBLIOGRAPHY	client report (NA report)	
Title	An Archaeological Fi Normandy Way, Hinckl	eld Walking Survey on land west of ey, Leicestershire
Serial title & volume	14/253	- <del>-</del> -
Author(s)	Yvonne Wolframm-Mur	ray
Page numbers	14	
Date	10/12/14 - 08/07/2015	

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# An archaeological fieldwalking survey on land west of Normandy Way Hinckley, Leicestershire October 2014

#### Abstract

MOLA Northampton was commissioned by CgMs Consulting to undertake a fieldwalking survey on land west of Normandy Way, Hinckley, Leicestershire to characterise the artefactual content of the topsoil. Of particular note were two Palaeolithic quartzite implements (MLE 6061) recovered prior to current works at the northern end of the survey area. The fieldwalking survey noted two slight concentrations of worked flint in the north-western corner and along the eastern edge of the site. Roman pottery was recovered in the north-western corner close to the ditches and pits identified in the concurrent geophysical survey. There was a general distribution of medieval and post-medieval pottery.

# 1 INTRODUCTION

MOLA Northampton carried out a fieldwalking survey in October 2014. The survey was commissioned by CgMs Consulting survey at Land west of Normandy Way, Hinckley, Leicestershire (NGR SP 4070 9470; Fig 1).

The Senior Planning Archaeologist for Leicestershire County Council has advised that a programme of fieldwalking evaluation should be undertaken to determine the nature and extent of any archaeological remains present in the topsoil, within the Development Area (LCC 2014). This was to be carried out in order to inform decisions regarding the potential impact of the proposed development upon the archaeological resource in accordance with the National Planning Policy Framework (NPPF; DCLG 2012). A Written Scheme of Investigation was produced (Chinnock 2014). In addition a geophysical survey was run concurrently with the field walking programme, for which a separate WSI had been prepared by MOLA (Walford 2014)

MOLA is an Institute for Archaeologists (IfA) registered organisation. This Report has been prepared in accordance with current best archaeological practice as defined in the Institute for Archaeologists' Standard and guidance for archaeological field evaluation (IfA 2008a), the procedural documents Management of Archaeological Projects (MAP2) and Management of Research Projects in the Historic Environment (MoRPHE) (EH 1991; 2009).

The archive will be deposited with Leicestershire Museums under accession number X.A781.2014.

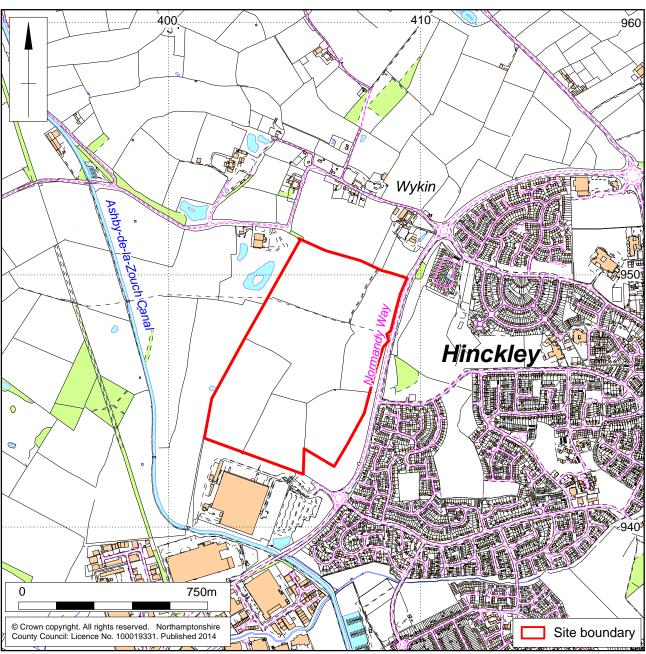
## 2 BACKGROUND

# 2.1 Topography and geology

The site is located on the north-western edge of Hinckley, centred on SP 407 947. It is divided into a number of parcels of land bounded by Normandy Way to the east, by agricultural land to the north and west and by warehousing to the south. All of the fields identified for survey are currently in used for the cultivation of arable crops. Within these boundaries a total of *c*.45ha has been identified for fieldwalking survey.







Scale 1:15,000 Site Location Fig 1

The survey area occupies a very gentle south-facing slope at an elevation of *c* 95m – 105m aOD. Its geology is mapped as Mercia Mudstone overlain by Bosworth Clay and other Quaternary drifts (BGS 2014).

# 2.2 Historical and archaeological background

An Archaeological Desk Based Assessment (ADBA) was carried out by CgMs (Mortimer 2014) and presented a combined search of available historic maps as well as Leicestershire's Historic Environment Record (LHER). The assessment established that there were no designated heritage assets (World Heritage Sites, Scheduled Monuments, Listed Buildings, Registered Battlefields, Registered Historic Parks or Conservation Areas) within the study site.

The Leicestershire HER records findspots of a Palaeolithic quartzite implement (MLE 6061) at the northern end of the survey area. The Palaeolithic implement is one of a number of similarly dated artefacts found in the immediate vicinity of the site which are of Local to Regional importance, providing relatively rare evidence for activity from early prehistory (Mortimer 2014, 10).

Evidence for later prehistoric activity comprises flint scatters dating from the Mesolithic to the Bronze Age in the environs of the survey area and a possible Bronze Age whetstone within the bounds of the survey area (MLE 9160). Other finds of prehistoric and Roman material are recorded from the general vicinity, but no substantive remains of these dates are known.

Approximately 300m north of the survey area is the shrunken village of Wykin (MLE 2875), of which the most notable remnant is the 17th-century Wykin Hall (MLE 12978). A possible pottery kiln of medieval date has been identified to the south of Wykin, slightly beyond the northern boundary of the survey area (MLE 18030).

Nineteenth to early twentieth century Ordnance Survey maps of the survey area show that a farm called Tithe Farm stood either on or close to its eastern edge. It was in existence by 1814, and appears to have been demolished at some time between 1938 and 1955.

The first phase of survey at Normandy Way identified some indistinct magnetic anomalies which were interpreted as a possible track and ditches of indeterminate date (Fisher 2014).

#### 3 OBJECTIVES

The principal aim of the archaeological evaluation was to quantify the quality and extent of the archaeological resource and inform further decisions regarding the suitability of the site for development. This was achieved through an initial field walking survey, which ran concurrently with a geophysical survey.

The purpose of the work was to determine and understand the nature, function and character of the archaeological site in its cultural and environmental setting.

- To determine or confirm the general nature of any remains present;
- To determine or confirm the approximate date or date range of any remains, by means of artefactual or other evidence;
- To determine or confirm the approximate extent of any remains;
- To determine or confirm the likely range, quality and quantity of any artefactual evidence present.

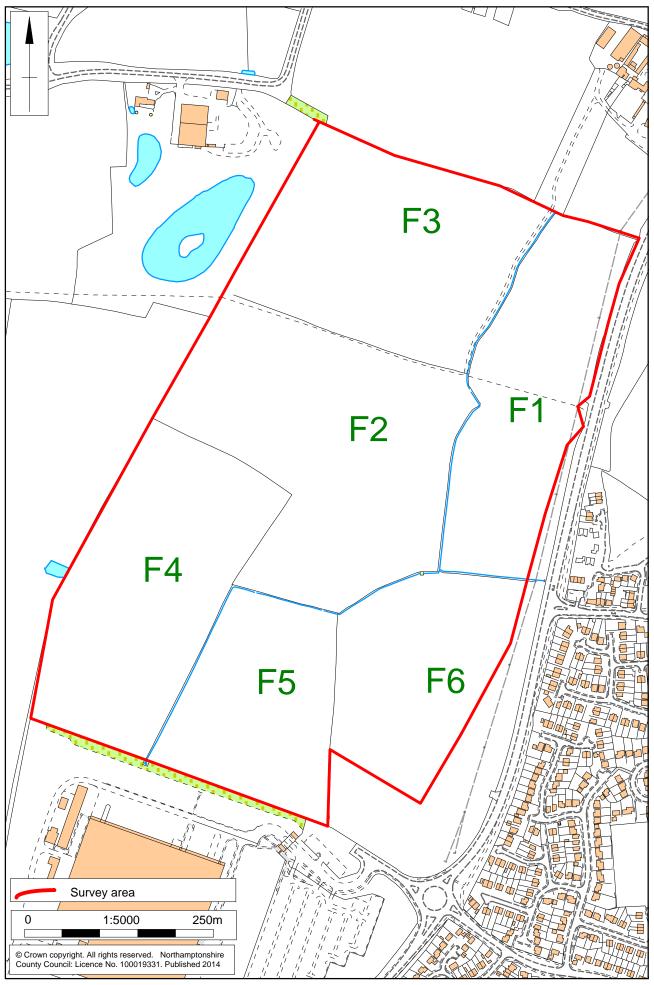
#### 4 METHODOLOGY

The fieldwalking survey was undertaken by walking along parallel transects spaced 20m apart across the areas of study. Transects were located to Ordnance Survey National Grid using a Leica VIVA Global Positioning System (GPS) using Smartnet real-time corrections.

Each survey area (field) was walked systematically at slow pace along the parallel transects and surface finds were collected from a corridor extending about 1m to each side of the transect line (Fig 2). The overall sample of the surface area was approximately 10%. Standard MOLA Northampton Fieldwalking Record Sheets were used to record the results, including ground surface visibility and weather conditions.

All archaeological artefacts were collected; sharp glass, modern plastics and any other hazardous material were not collected. All members of the survey team were shown pictures of the quartzite 'choppers' previously found in and near the study area and reported through the Portable Antiquities Scheme. Furthermore, 'toolbox talks' from MOLA Northampton's prehistoric flint specialist were given, to ensure maximum retrieval of flint artefacts. Samples of brick, tile and slag were collected, with any concentrations of these materials being noted.

The artefactual assemblage was catalogued and examined by relevant specialists, drawn from MOLA's in-house expertise and where necessary, external contractors. Artefacts were assessed for evidence of site formation processes and evidence of recent changes that may have been caused by alterations in the site environment. Where necessary, active stabilisation or consolidation will be carried out to ensure long-term survival of the material, but with due consideration to possible future investigations. Once assessed, all material will be packed and stored in optimum conditions, as described in First Aid for Finds.



Scale 1: 5000 Field numbers Fig 2

# 5 FIELDWALKING SURVEY

# 5.1 Ground conditions

At the time of the survey in October 2014, all the fields were in a suitable condition to be walked, either having been recently ploughed or under a new crop. The weather was mostly overcast with occasional rain and sunny spells. Visibility of the fields was good.



General view of Field 4, looking north-west

Fig 3

# 5.2 Survey results

During the fieldwalking a range of artefacts were recovered, these are summarised in Table 1 and are discussed in the following sections. The results are plotted on a series of distribution plans (Figs 4 –6).

Table 1: Quantification of all fieldwalking artefacts

	F	lint		Pottery	
Field	Worked flint	Burnt flint	Roman	Medieval	Post- medieval
1	15	-	1	31	84
2	4	1	10	30	193
3	18	2	24	43	131
4	-	1	2	17	79
5	-	-	1	12	88
6	3	1	-	29	263
Total	40	5	38	162	848

# **5.3** The worked flint by Yvonne Wolframm-Murray

In total forty pieces of worked flint were collected as surface finds from five of the six fields surveyed during the fieldwalking (Fig 4). The flint comprised seven cores, 28 flakes, four blades, and one thumbnail scraper. Table 2 provides an overview of the flint types recovered arranged by field.

Table 2: Quantification of worked flint by field

Field	Core	Flake	Fragment	Blade	Fragment	Scraper	Total
1	1	7	4	2	1	-	15
2	-	3	-	-	-	1	4
3	5	8	4	-	1	-	18
6	1	2	-	-	-	-	3
Total	7	20	8	2	2	1	40

# The assemblage

The condition of the assemblage is poor with all flints showing post-depositional edge damage. This had a detrimental effect on the recognition of intentional retouch or utilisation on the flint. The majority of the post-depositional damage was caused by ploughing and abrasion of the flint in the soil. Patination was present in the assemblage, which ranged from a grey-blue discolouration to a white surface. Two pieces of burnt flint were noted, probably accidental in nature. These flints displayed thermal fracturing and crazing.

The raw material is a vitreous flint, light to dark coloured greys and browns, and one mid grey granular flint. Cortex present on the dorsal surface of the pieces ranges from a light to dark brown colour and generally had a smooth, rolled and weathered surface. The raw material was likely to have originated from local gravel deposits.

Seven cores were recovered (Fig 4), one each from Fields 1 and 6, and five from Field 3. The cores include a blade core with two opposing striking platforms, a flake and blade core with a single striking platform, two flake cores with single striking platforms, and two flake cores with multiple striking platforms.

The majority of flints recovered consist of waste flakes and blades (Fig 4). Generally the assemblage is dominated by flakes, the occasional flake has unprepared or cortical striking platforms that are relatively long, broad and flat. There were also a couple of squat flakes present in the assemblage.

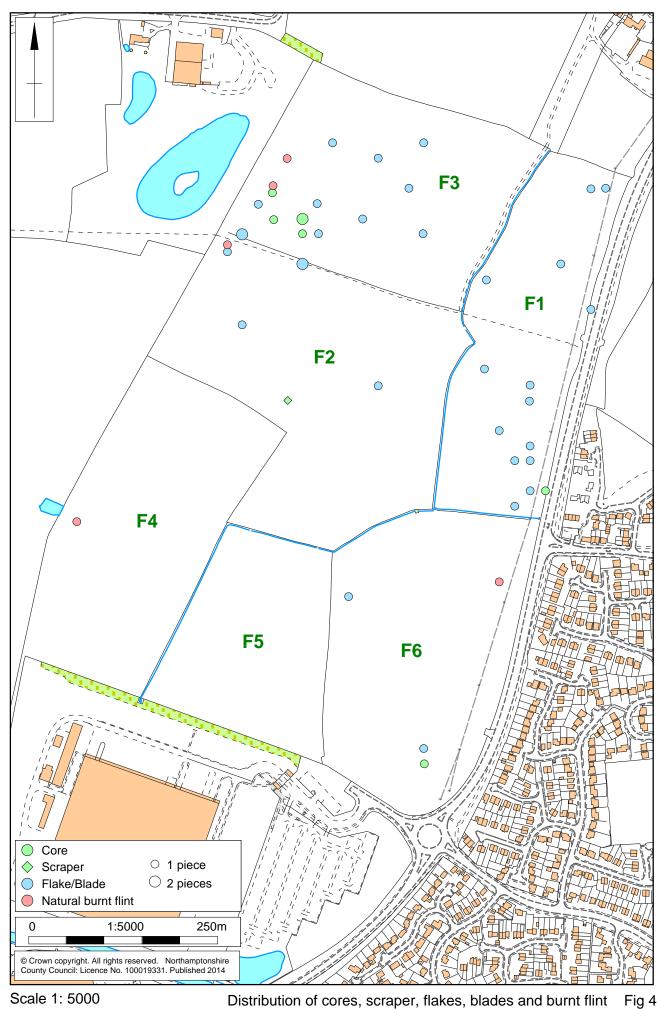
A single retouched tool form was recovered from Field 2 (Fig 4). The thumbnail scraper was fabricated on a flake and displayed abrupt to semi-abrupt retouch on the a lateral edge and distal end.

#### Characteristics and dating

Technological characteristics of the assemblage indicate a broad Neolithic to the Late Neolithic/Early Bronze Age date. The blade cores may be of an early Neolithic date, indicating a small early component within the assemblage. The high percentage of flakes to blades along with the cortical striking platforms and squat dimensions is more typical of a later Neolithic date. The flake cores with multiple striking platforms, and the thumbnail scraper are more typical of the late Neolithic/Early Bronze Age.

#### Distribution

The worked flint generally forms a non-specific scatter across the surveyed areas. However there are two clusters, one in the north-west corner (Field 3) and the second



Scale 1: 5000

# **5.4 Burnt flint** by Yvonne Wolframm-Murray

Five pieces of burnt flint were recovered as surface finds from Fields 2 - 4 and 6. The flint showed heavy thermal fracturing, crazing, spalling and patination as a result of its exposure to heat (Fig 4).

# **5.5** The pottery by Paul Blinkhorn and Tora Hylton

In total 1048 sherds of pottery were picked up during the fieldwalking survey. The pottery collected spans the Roman through to the modern period. The different fabrics which were noted are summarised below. The medieval and post-medieval pottery was recorded using the conventions of the Leicestershire County type-series (Sawday 1994). A breakdown of sherd and weight is in Appendix I.

Table 3: Pottery fabric types recovered during fieldwalking

Period	Fabric	
Romano-British, 1st –	Romar	no-British grog-tempered wares (mid-late 1st /2nd century)
2nd century	Romar	no-British greyware
	Romar	n-British oxidised sandy wares
	Import	ed Samian ware
Medieval wares	PM:	Potter's Marston Ware, 1100-1300
	CC1:	Chilvers Coton 'A' Ware, AD1200-1400
	CC2:	Chilvers Coton 'C' Ware, 1200-1475
	MP:	Midland Purple Ware, 1350-1550
	CW:	Cistercian Ware, 1475-1550
Post-medieval wares	MY:	Midland Yellow Ware, 1500-1725
	FR:	Frechen Stoneware, 1550+
	EA:	Post-medieval Red Earthenware, mid 16th century
	EA3:	Staffordshire Slipware, 1650-1780
	EA6:	Post-medieval Blackwares, late 17th century +
	EA11:	Tin-glazed Earthenware, 1600-1800
	SW4:	Staffordshire White-glazed Stoneware, 1730+
	SW5:	English Brown Salt-glazed Stoneware, 1700+
	EA10:	Modern Earthenwares, 1800+

# Romano-British

A general scatter of Romano-British pottery was recorded over the survey area (Fig 5). There are *c* 38 sherds of Roman pottery, the majority were recovered from Fields 2 and 3, while smaller numbers were recovered from Fields 1, 4 and 5. A concentration of pottery close to the north-western edge of the survey area coincides with a series of linear features recorded during the geophysical survey. This is suggestive of Roman activity in the area. The fabric types represented suggest a mid/late 1st and 2nd century date for the assemblage; no late wares were identified. Imported wares are represented by a single sherd of Samian. The pottery is abraded and mostly comprises undiagnostic body sherds.

#### Medieval

A total of 162 sherds of medieval pottery were recovered from all the fields (Fig 6). The density was slightly higher on the western side of the survey area, but this may be a reflection of their proximity to the ridge and furrow. The pottery was less dense towards the eastern side of the survey area and almost absent from the eastern side of Fields 2, 5 and 6, where there is no evidence for ridge and furrow. There were no distinct concentrations of pottery, the assemblage is thought likely to represent manuring rather than below ground archaeological features.

#### Post-medieval /modern

The post medieval/modern pottery assemglage accounted 848 sherds (Fig 6). The assemblage appeared evenly distributed throughout the survey area (Fields 1 and 6). In addition there appeared to be a higher concentration of modern wares in the south east corner of the survey area (Field 6).

# 5.6 Ceramic building material by Pat Chapman

The ceramic building material was scanned during the sorting of all the collected material into the separate types and a sub-sample of the brick and tile fragments from each field was examined.

The main fabrics for the brick and tile are orange-brown sandy clay and red-brown sandy clay, occasionally the tile is made from fine silty orange-brown sand or buff-white. A few tiles are modern machine-made in mauve-buff with black surfaces.

#### Tiles

Virtually all this material comes from flat roof tiles, though neither peg nor nib was seen to determine the type, and they were typically 15mm thick. There are a few curved examples, which were probably from pantiles, as the curves were too sharp for ridge or bonnet/valley type tiles.

A few fragments of black floor quarry tiles, 30mm thick, were also noted.

#### **Brick**

These are too fragmented to be able to measure any dimensions. However, there were a few remnants of ventilation bricks and the occasional fragment of moulded brick that would have been used around windows or doors.

#### Slate

There was one fragment of Welsh slate, still retaining two perforations of 8-10mm diameter.

#### Discussion

The roof tile could be datable from the late medieval period to the 19th century. The brick is probably from the same time period, although the presence of ventilation brick, Welsh slate and quarry floor tiles indicates a later element in the scatter.

#### 6 DISCUSSION

The fieldwalking survey recovered artefacts from the Neolithic through to the post-medieval/modern period. Generally present in low volumes the material suggests background activity until the Romano-British period, medieval agricultural use and an increased deposition in the post-medieval period.

There was a general trend of a higher concentration of prehistoric, Roman and medieval finds towards the northern part of the survey area, especially the north-western corner. There was a notable decline in finds towards the southern boundary towards the western corner; here the ground conditions were wetter than in other parts of the survey area (Fig 5).

## Prehistoric

The fieldwalking survey did not recover any further Palaeolithic implements. The two flint scatters revealed flint dating from the early Neolithic through to the late Neolithic/early Bronze Age, suggesting low level prehistoric activity.

#### Roman

Roman material has been recorded in the general vicinity, but there were no known substantive remains. The fieldwalking survey revealed a Roman pottery scatter in the north-western corner of the survey area, appearing to coincide with the possible archaeological anomalies identified in the magnetometer survey (Fig 5). The form of the anomalies suggests a late Iron Age/Romano-British date range. Iron Age pottery would be less likely to survive within ploughsoil due to its friability, but the presence of the Romano-British cluster suggests small scale Early Romano-British occupation within the north-west part of the study area.

#### Medieval

To the north of the survey area is the shrunken village of Wykin and a possible pottery kiln. The survey revealed a low volume general scatter of medieval pottery, coinciding with the anomalies, which is likely to relate to agricultural activity rather than pottery production.

#### Post-medieval

There was a widespread, high density scatter of post-medieval pottery and ceramic building material covering the survey area. A higher concentration of material along the eastern edge probably coincides with the demolished Tithe Farm. A second higher concentration was noted in the south-eastern corner, its derivation is uncertain.

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# **Websites**

www.bgs.ac.uk/geoindex/index/html

**MOLA** 

14th July 2015

# **APPENDIX**

	<b>.</b>	RB			M	CC	21	C	C2	. М	Р	CV	N	. M	Y	FR	E/	Α	. EA	<b>\3</b>	. E/	<b>A6</b>	. EA	11	. SI	N4		<b>V</b> 5		10
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15	Grid	Stint		Wt	PM No Wt	CC1 No Wt	CC2 No Wt	MP No Wt	CW No Wt	MY No Wt	FR No Wt	EA No Wt	EA3 No Wt	E <i>A</i> No	Wt	EA11 No Wt	SW4 No Wt	SW5 No Wt	EA No	Wt
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15 M 16 P 17 Q 18					1 5									·						
15  P																			1	2
15  V																			1	4
15 W 1 3 1 2 1 1 5 1 5 1 3 1 17 1 17 1 1 1 1 1 1 1 1 1 1 1 1 1	15	Q												1	2				1	1
15 X 1 2 16 F 16 H 16 H 16 L 17 A 17 A 17 A 17 G 18 G 19	15	V			2 13									1	5					
16 F 16 H 16 H 16 L 16 R 17 A 17 G 17 I 18 C 2 B 18 C 3 C 4 C 4 C 4 C 4 C 4 C 5 C 5 C 6 C 6 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7	15	W	1	3															2	7
16 H	15	Χ	1	2																
16	16	F						1 5						2	8					
16 R 17 A 18	16	Н					1 17													
17	16	L												1	5		1 3			
17 G 17 I 18 I 19 I 19 I 19 I 10	16													1	4				2	44
17	17																		1	9
17 K 22 L 22 N 22 P 22 T 1 57 1 19 22 W 22 X 23 A 3 A 4 1 5 1 5 3 4 1 5 1 5 3 5 1 1 5 3 5 1 1 1 5 3 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																			1	5
22       L         22       M         22       P         22       T         1       57         1       19         22       W         22       X         22       Y         23       A														1	3					
22       M         22       P         22       T         1       57         1       19         22       W         22       X         22       X         23       A																				9
22       P         22       T       1       57       1       19         22       W         22       X       1       5       2       23       1       1         22       Y       1       3       1       41       1       41															_					1
22     T     1     57     1     19       22     W       22     X       22     Y       23     A         1     5       1     3       1     3       1     41																			1	4
22 W 22 X 1 5 2 23 1 1 C 2 1 23 A 1 1 C 2 1 41					4 57			4 40						1	5					
22 X 2 1 5 2 23 1 1 2 1 3 2 3 1 1 1 2 3 4 1 41					1 5/			1 19											2	1.1
22 Y 1 3 1 41 1 41							1 5							2	22		1 1		2	14
23 A 1 41							1 3		1 2					2	23		' '		1	1
									, ,					1	41				'	'
			1	17											7.				2	7
																				24
23 D 1 7														1	7					

Grid	Stint		RB \//t	<b>PM</b> No Wt	CC1	CC2	<b>MP</b> No Wt	CW No Wt	MY No W/t	FR No. Wt	<b>EA</b> No Wt	EA3		A6	<b>EA1</b> No		<b>SW</b> No		SW	<b>V5</b> Wt		<b>\10</b>
Gilu	Sun	INO	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	INU	(g)	INU	(g)	INU	(g)	INO	(g)	INO	(g)
23	F												3	77								
23	G	1	10																		2	2
23	J																				1	7
23	K																				1	22
23	L																				1	1
23	Р																				1	15
23	Q												2	10							2	17
23	S												1	67					1	3	2	2
23	Т						1 46															
23	V					1 3	1 18															
23	Χ												1	13								
23	Υ					1 3																
24	В	1	28																			
24	I					1 11																
24	K																				2	23
24	N																				1	1
24	Р																				1	15
24	S	1	28																			
24	Т												1	9							2	3
24	W												1	5								
24	Х												1	22								
25	Α												1	8								
25	F																				2	3
25	G												1	12								
25	Н																				2	9
25	1																				2	2
25	J																				3	11
25	K						1 5						2	13							1	5
25	M																				3	14
25	N																				1	1
25	P																				1	6
25	Q												1	9								

Grid	Stint	RB No Wt (g)	PM No Wt (g)	CC1 No Wt (g)	CC2 No Wt (g)	MP No Wt (g)	CW No Wt (g)	MY No Wt (g)	FR No Wt (g)	EA No Wt (g)	EA3 No Wt		Wt (g)	EA11 No Wt	SW4 No Wt (g)	SW5 No Wt (g)	<b>EA</b> No	<b>Vt</b> (g)
25	Т											1	62					
25	W											1	7					
25	Υ																1	6
25	Z											1	10					
30	J		2 4														1	1
30	Р					1 13											1	10
30	Q		1 2															
30	T					1 18												
30	Y																1	1
31	A											1	50					
31	K											1	29				1	3
31	L											3	68				1	5
31 31	M N					1 7											1	18
31	P					1 2											'	10
31	R					1 11						1	39					
31	S				1 4							1	14				4	25
31	W											·					1	1
32	Α											1	4					
32	В																1	8
32	F											1	10				2	7
32	G																1	1
32	Н											1	4				2	4
32	J					1 32				1 20		2	37				8	22
32	K											1	3				4	6
32	L											2	13				3	13
32	М	1 2				1 1											1	1
32	Ν											1	3				2	15
32	Р											1	9				4	22
32	Q											1	8					
32	R											1	42					
32	U											1	67				1	15

Grid	Stint	RB No Wt (g)	PM No Wt (g)	CC1 No Wt (g)	CC2 No Wt (g)	<b>MP</b> No Wt (g)	CW No Wt (g)	MY No Wt (g)	FR No Wt (g)	EA No Wt (g)	EA3 No Wt		<b>A6</b> Wt (g)	EA11 No Wt	SW4 No Wt (g)	SW5 No Wt (g)	<b>EA</b> No	
38	V	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	2	22	(9)	(9)	(9)		(9)
38	W											1	1					
38	Υ		1 5															
38	Z											1	18				1	5
39	В																1	4
39	I											1	7					
39	J											1	19					
39	L											1	20					
39	N											1	13					
39	Р											1	17					
39	S											1	19					
39	Т											1	9				6	32
39	U											1	33				4	15
39	X											1	36				1	2
40	В																1	10
40	D		1 1									2	56					
40	Е																1	3
40	I											1	7					
40	J																1	2
40	Р									1 30							3	67
1	Q																2	7
3	Q	1 44			1 2							1	20					
3	V		2 3									1	4					10
3	W					1 11						4	30				3	10
3	X											3	40				2	3
4	В											1	29 60				4	4
4	C F											1	60				1 1	4
4	г Н											1	29				'	4
<b>→</b> 1	J					1 13						1	19					
4	M					1 52							13					
4	N					1 9												

Grid	Stint	R No	B Wt	<b>PM</b> No Wt	CC1 No Wt	CC2 No Wt	<b>MP</b> No Wt	<b>CW</b> No Wt	<b>MY</b> No Wt	FR No Wt	EA EA3	EA6 Wt No V	<b>EA11</b> /t No Wt	<b>SW4</b> No Wt	SW5 No Wt	EA1 No	
			(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g) (g	g) (g)	(g)	(g)		(g)
4	Р															1	6
4	Q						1 30					1	5				
4	R							1 5									
4	S											1 1					
4	Т											1 2					
5	В											1 ;					
5	D										1 90	1					
5	G											1 8					
5						1 16						1 (					
5 5	J L							1 1				1 (	5				
5	N															3	46
5	Q	1	5													J	40
5	S	·	Ü					1 2				1 1	6				
5	V					1 20		· -									
5	X											1 1	1				
6	D															1	3
6	Н														1 23		
6	М											2 1	8				
8	G						1 3										
8	K	1	1														
8	L	1	1														
8	М	1	2	2 9								3 2	3				
8	N	1	3														
8	Р			1 4													
8	Q	2	7														
8	R	1	2			1 4								1 2			
8	S											4 1	4				
8	Т	1	10				3 27	1 1				2 1					
8	U			1 2								2 1					
8	W											1 3	3				
8	Χ	3	25														

ر من ط ا	Ctint	R	B	PM	۸/4	CC1		C2	MP No. Wt	CW	Λ/4	MY No. 10/4	FR W/t	EA W/t	EA3	E	A6	EA11	/+ N	SW4	SW5		<b>A10</b>
Grid	Stint	INO	Wt (g)	No V	yt g)	(g)	NO	(g)	No Wt (g)	NO (	vvt (g)	NO VVI (g)	(g)	No Wt (g)	(g)	INO	Wt (g)	No V	/t r 1)	No Wt (g)	No Wt (g)	No	(g)
8	Z		,	Ì	-										,	1	1		,	,			
9	В	1	17																				
9	С	1	6							1	1					1	1						
9	D															1	18						
9	F						1	16															
9	G	1	4																				
9	J	1	18																				
9	K	1	12													1	12						
9	M															1	32						
9	Q																					2	3
9	R																					1	2
9	S															2	30						
9	T															1	17					1	3
9	V															1	1						
9	W															1	29					1	15
9	Х																					1	4
9	Y																					2	10
9	Z						1	20														2	26
10	A											1 2										4	9
10	D																					1	5
10	E								4 00													1	9
10	G								1 38							_	22					4	0
10 10	H J								1 7							2	32					1	9
10	K								1 /							2	11						
10	M															2	- ' '					1	19
10	N								1 51													1	1
10	P								, 01	1	1					1	3					,	
10	s			1 1	19												Ŭ						
10	U								1 63														
10	V						1	4														1	5
10	W									1	3											1	7

Grid	Stint		RB Wt		PM Wt	CC1 No	Wt	CC No	Wt	M No	Wt	<b>CW</b> No Wt	MY No Wt	FR No Wt	<b>EA</b> No Wt	N	EA3	No	A6 Wt	EA11 No Wt	SW4 No Wt	SW5 No Wt	EA No	
4.0	v		(g)		(g)		(g)		(g)		(g)	(g)	(g)	(g)	(g)		(g)		(g)	(g)	(g)	(g)		(g)
10	X									,	40							1	16					
10 11	Y A									1	12					1	2							
11	D			1	4											'	3							
11	F				4					1	10													
11	G									1	8													
11	J									·	Ŭ							2	25				1	6
11	U																	1	14				1	9
16	I																	1	14					
16	N																						2	6
16	Р																						1	1
16	Т									1	6													
16	Χ	1	10																				2	9
16	Z																	1	6				1	4
17	С																						2	12
17	D	1	1															2	20					
17	Ε			1	10																			
17	М																	1	10				2	4
17	Ν														1 46			5	46					
17	Р	2	6																				1	5
17	S	1	5					1	1														1	3
17	T	1	10															2	14					
17	W																	1	8					
17	X																	1	82				3	14
18	В			1	0											4	19						1	2
18 18	E J			ı	6			1	12								19						1	13
28	J L								12									1	32					
28	X																	1	10				1	1
28	Υ																		10				1	11
29	A							1	5														2	10
29	В			1	1				ŭ														_	

Grid	Stint	F No	R <b>B</b> Wt	PM No		CC1 No Wt	CC2 No Wt	No	<b>/IP</b> Wt	CW No	<b>V</b> Wt	<b>MY</b> No Wt	<b>FR</b> No Wt	<b>EA</b> No Wt	E No	A3 Wt	E No	<b>A6</b> Wt	EA1 No	11 Wt	SV No		SW5 No Wt		<b>\10</b> Wt
			(g)		(g)	(g)	(g)		(g)		(g)	(g)	(g)	(g)		(g)		(g)		(g)		(g)	(g)		(g)
29	D							1	36																
29	F									1	15														
29	Н																1	59							0.5
29	R																							1	35 3
29 29	S U							1	93															- '-	3
29	V							1	48																
29	W							·	10						1	12	1	51							
30	Α																1	33						1	31
30	В																							2	74
30	D																							1	5
30	Е																							1	20
30	G																							3	50
30	Н																							1	45
30	K	1	1																					1	48
30	L													1 10											10
30	S																							3	8
36	Α					1 7																			
36	N																							2	5
36	Р																2	24							
36	R			1	11												1	5							
36	U																1	8						3	3
36	V							1	27															1	35
36	X									1	3														
37	A																							3	3
37 37	S T																1	13						1	2
38	E																	13						1	1
43	Q																1	13							
43	Х																1	10						1	7
43	Υ						1 13																		
43	Z	1	5																						

Grid	Stint	RB No Wt	<b>PM</b> No Wt	CC1 No Wt	CC2	<b>MP</b> No Wt	<b>CW</b> No Wt	MY No Wt	FR No Wt	<b>EA</b> No Wt	<b>EA3</b> No Wt		<b>A6</b> Wt	<b>EA11</b> No Wt	<b>SW4</b> No Wt	SW5 No Wt	EA No	<b>10</b> Wt
0	•	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)		(g)	(g)	(g)	(g)		(g)
44	В											1	5					
44	Е		1 8									1	30					
44	L										1 13	2	68					
44	M					1 22						2	36				1	1
44	Q						1 2									1 4		
44	R											1	26					
44	V											1	17					
44	W					1 16										1 12		
44	Χ											1	37					
45	С		1 19															4.4
45	J																2	11 6
45	K																1	46
51	М																1	1
51	Р											1	7					
51	U																1	6
51	Х																1	5
52	D											1	51					
52	Е																1	1
52	M											1	11				1	1
52	Р					1 23												
52	S											2	27					
52	Т																1	1
52	U											3	51				3	12
52	D																1	5
38	Α											1	56					
38	F											1	14					
38	K											1	35				1	1
41	I																1	43
45	V											1	20					
45	Χ											1	16					
46	Н					1 29						1	4					
46	1											1	42				1	4

0 =: =1	Ctint	RB	PM	CC1	CC2	MP No. W/6	CW	MY	FR NA	EA NA	EA3	EA6	EA11	SW4	SW5	EA10	
Grid	Sunt	No Wt (g)	No Wt (g)	No Wt (g)	(g)	No Wt (g)	(g)	(g)	No Wt (g)	(g)	No Wt (g)	No V	/t No Wt j) (g)	No Wt (g)	No Wt (g)		Wt (g)
46	М	(0)					,				,	1 8			, , ,		
46	N											1 3	5				
46	Р											1 4	0				
46	Q										1 6			1 4			
46	Т						1 5										
46	U											2 4	4				
46	Υ											1 :	;				
46	Z											2 4	5	1 4			
47	С											1 2	5				
47	D											1 3	3				
47	Е															1	11
47	G				1 1												
47	Н	1 5										1 3	7				
47	-					1 8					1 17						
53	В											1 4					
53	F											1 5	)				1
53	G												2			1 :	24
53 53	T											1 4				2	6
53 53	V W											1 2 3 8				2	6
53 54	vv В		1 3									1 7					
54	E		1 3			1 18						' '				2	9
54	F					1 4										_	3
54	G											1 4	4			1	10
54	Н											1 8					1
54	I											2 1					
54	J											4 3					
54	K									1 11							
54	N											1 2	7				
54	Q						1 5										
54	V													1 5			
54	Z											1 1	3				

Grid	Stint	Wt	<b>PM</b> No Wt	CC1 No Wt	CC2 No Wt	<b>MP</b> No Wt	<b>CW</b> No Wt	<b>MY</b> No Wt	<b>FR</b> No Wt	<b>EA</b> No Wt	<b>EA3</b> No Wt	EA6 No V	Vt N	<b>EA11</b> No Wt	<b>SW4</b> No Wt	SW5 No Wt		<b>A10</b> Wt
		(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(	g)	(g)	(g)	(g)		(g)
55	C																1	7
55	Ε.																1	2
55	J												,				1	14
55 55	V												7 .9				1	1
55 57	Y S											2 4	9				1	80
57 58	T																4	6 2
58	Ü									1 2							2	2
58	Z									' -							1	5
60	G																1	2
60	V											4 5	7					_
60	W											1 1					1	19
60	Χ												2				1	4
60	Υ					1 39												
63	Z					3 21						3 5	7				5	17
40	G											2 4	3					
40	L											1	7					
40	R											1 1	1					
41	F																1	6
41	V											1 1	0				1	4
41	W																1	3
44	D											1 2	7					
47	K												4				1	8
47	М											5 9	0					
47	R												1					
47	S											4 3	0					
47	Т												3					
48	В												5				1	57
40	_																4	34
48 48	E F											1 1	2				1	3
48 48	r. I												2					
	'																1	5
48	J											2	7				1	5

0.44	00.4		RB		M	CC1	, ,	CC2	N	/IP	cw	۸,,	MY	F	R <sub>w</sub>	EA W		EA3		A6	EA	<b>\11</b>		N4	SW5		A10
Grid	Stint	NO	Wt (g)	NO	Wt (g)	No W	vt i g)	No W (g	. NO	(g)	No V	g)	No Wt (g)	NO	(g)	NO VVI (g)	IN	o vvt (g)	NO	Wt (g)	No	Wt (g)	NO	Wt (g)	No Wt	NO	Wt (g)
48	М		νο,		(0)	,,	,	,,,		21	`		(0)		ιο,	(0)		(0)		(0)		(0)		(0)	(0)		(0)
48	Р																		2	9							
48	Т								1	97																	
48	U																									1	28
48	V																1	7									
48	W													1	6				2	36							
49	С																									1	8
49	D																									2	7
49	Ε																									1	3
49	F										1	1														2	4
49	G																									2	5
49	Н								1	34									1	18						1	1
49	I								1	8									1	16						7	39
49	K								1	9									1	4						2	5
49	L																									7	18
49	М																									1	10
49	N																									2	75
49	Q																									5	27
49	R																			00						6	17
49 49	S T																		1	28						2	20 23
49 49	U																									ى 1	5
49	V																									1	4
49	Y																									1	5
55	K										1	7														·	
55	L																									1	1
55	М								2	11									1	4						2	4
55	N								1	24	1	3														2	4
55	Р																		1	18							
55	Q																		1	6							
56	Α																									1	25
56	С																									1	1

Grid	Stint	RB No Wt (g)	PM No Wt (g)	CC1 No Wt (g)	CC2 No Wt (g)	MP No Wt (g)	CW No Wt (g)	MY No Wt (g)	FR No Wt (g)	EA No Wt (g)	EA3 No Wt		<b>A6</b> Wt (g)	EA11 No Wt	SW4 No Wt (g)	SW5 No Wt (g)	<b>EA</b> No	<b>Vt</b> (g)
56	F											1	6					40
56	G																1	19 3
56	L											1	26					
56	М																1	1
56	Q																1	20
56	Т											1	5				1	1
56	W											1	10					
56	Υ					1 9												
57	С											2	34					
57	F											2	30				1	5
57	G				1 2												3	6
57	Н																4	12
57	1																3	22
57	J											1	3				1	5
57	L																4	20
57	М																1	5
57	N					1 5											4	20
57	Р											1	2				3	10
57	Q																1	1
57	R					1 8						1	9					
57	Т											1	8				2	4
57	Z											1	21				2	7
60	K																2	17
60	L					1 5											1	1
60	Q					1 12						2	14					
60	R					1 17											1	2
60	S					1 38												
61	Α .					1 15						1	20				1	1
61	L					1 30						1	28				2	42
61	P								1 15								1	1
61	Q					2 14											5	33
61	R											1	16				4	14

Grid	Stint	<b>RB</b> No Wt	PM No Wt	CC1 No Wt	CC2	<b>MP</b> No Wt	CW No Wt	MY No Wt	FR No Wt	EA No Wt	<b>EA3</b> No W	t No	E <b>A6</b> Wt	<b>EA11</b> No Wt	<b>SW4</b> No Wt	<b>SW5</b> No Wt	EA No	\10 \//t
Ond	Othic	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g	)	(g)	(g)	(g)	(g)	140	(g)
61	S											1	8				2	5
61	Т					1 22											2	17
61	U																1	3
61	V											2	21				2	7
61	W																3	11
61	Χ					1 2												
61	Υ																1	5
61	Z																1	15
62	F											1	7				8	16
62	G																6	26
62	H					1 9					4						17	42
62	I .										1 2		6				7	29
62	J											1	6				2	2
62 62	M N											'	3				1	3
62	P					1 19						1	20				3	4
64	D.					1 13						1	9				1	5
64	E					1 9						1	5					
64	Н																1	2
64	1											1	2					
64	J										1 6	1	29				1	5
64	N											2	56				1	1
64	Р											2	54					
64	S																4	67
64	Т																4	55
64	V																1	2
64	Υ					1 16						1	3				1	4
64	Z																1	1
65	В										1 2							
65	J																2	10

		R	В	Р	М	C	C1	C	C2	M	IP	C	w	N	ΙΥ	F	R	Е	Α	E	43	E	<b>A6</b>	EA	\11	SV	<b>V</b> 4	SV	N5	EA	A10
Grid	Stint	No		No		No		No				No										No				No		No		No	
			(g)		(g)		(g)		(g)		(g)		(g)		(g)		(g)		(g)		(g)		(g)		(g)		(g)		(g)		(g)
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# Key

Yellow: RB Green: Medieval Orange: Post medieval

PM: Potter's Marston Ware CC1: Chilvers Coton 'A' Ware CC2: Chilvers Coton 'C' Ware MP: Midland Purple Ware CW: Cistercian Ware MY: Midland Yellow Ware; FR: Frechen Stoneware

EA: Post-medieval Red Earthenware

EA3: Staffordshire Slipware EA6: Post-medieval Blackwares;

EA11: Tin-glazed Earthenware SW4: Staffordshire White-glazed Stoneware SW5: English Brown Salt-glazed Stoneware EA10: Modern Earthenwares





