

YCCCART 2014 / Y2
North Somerset HER 2014/26

Gradiometry Survey at Iwood
(Mr Collins Field 11)

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RESEARCH TEAM (YCCCART)**

General Editor: Vince Russett



The 601 in operation .

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Abstract

YCCCART has a project to establish the extent of the Congresbury Roman kiln sites and early settlement at Iwood. A gradiometry survey has revealed that there are no apparent archaeological features within a surveyed field.

Acknowledgements

A Heritage Lottery Grant enabled the purchase, by YCCCART, of a Bartington 601 gradiometer without which this survey could not have been undertaken.

This survey would also not have been carried out without the willing permission of the landowner, Mr A Collins.

The authors are grateful for the hard work by the members of YCCCART in performing the survey and Vince Russett for editing the report.

Introduction

YCCCART is one of a number of Community Archaeology teams across North Somerset, supported by the North Somerset Development Management Team.

The objective of the Community Archaeology in North Somerset (CANS) project is to undertake archaeological fieldwork to enable a better understanding and management of the heritage of the area while recording the activities and locations of the research carried out.

Site Location



Fig 1: Site location indicated by red arrow.

The site is close to the hamlet of Iwood, in the parish of Congresbury in North Somerset. some 12 miles south of Bristol. (See site report in Appendix for GPS readings)

The field is privately owned, and there is no public access.

Land use and geology

The field lies on the alluvial clays of the Northmarsh, in the floodplain of the Congresbury Yeo. It is currently used for grazing cattle and sheep.

Historical & archaeological context



Fig 2 : 1839 Map. Courtesy of Bristol Record Office BRO 37959/9. The surveyed field is number 1791 on the map.

The Tithe apportionment record, relating to the 1839 map above, shows field number 1791 as being owned and occupied by Benjamin Thayer. The field is described as pasture called The Three Acres.

Survey objectives

The survey was undertaken in order to continue to investigate the extent of the Congresbury Romano British pottery kilns and settlement at Iwood.

Methodology

The survey of field was undertaken during January 2014 by a team from YCCCART, using a Bartington 601 gradiometer, with settings as per the site record in the Appendix.

The completed survey was downloaded to a TerraSurveyor program.

TerraSurveyor composites were adjusted using the following filters:

Standard settings

- 1) Colour - Red Blue Green 2
- 2) Band weight equaliser
- 3) Grad shade
- 4) Despiked
- 5) Destriped
- 6) Clip SD2

The report was written in Microsoft Word 2007.

Photographs were taken by members of YCCCART, and remain the copyright of YCCCART.

Results

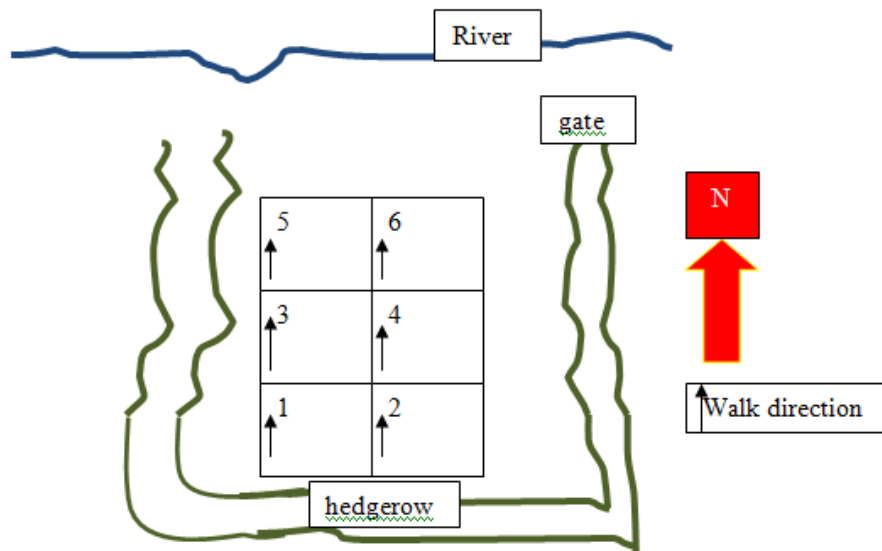


Fig 3: Grid lay out

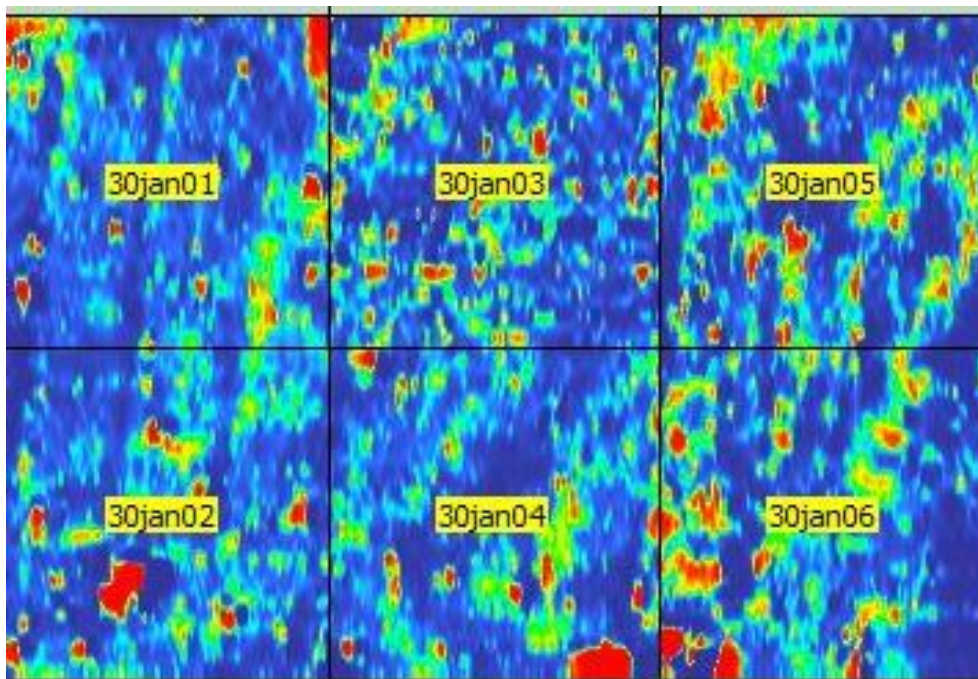
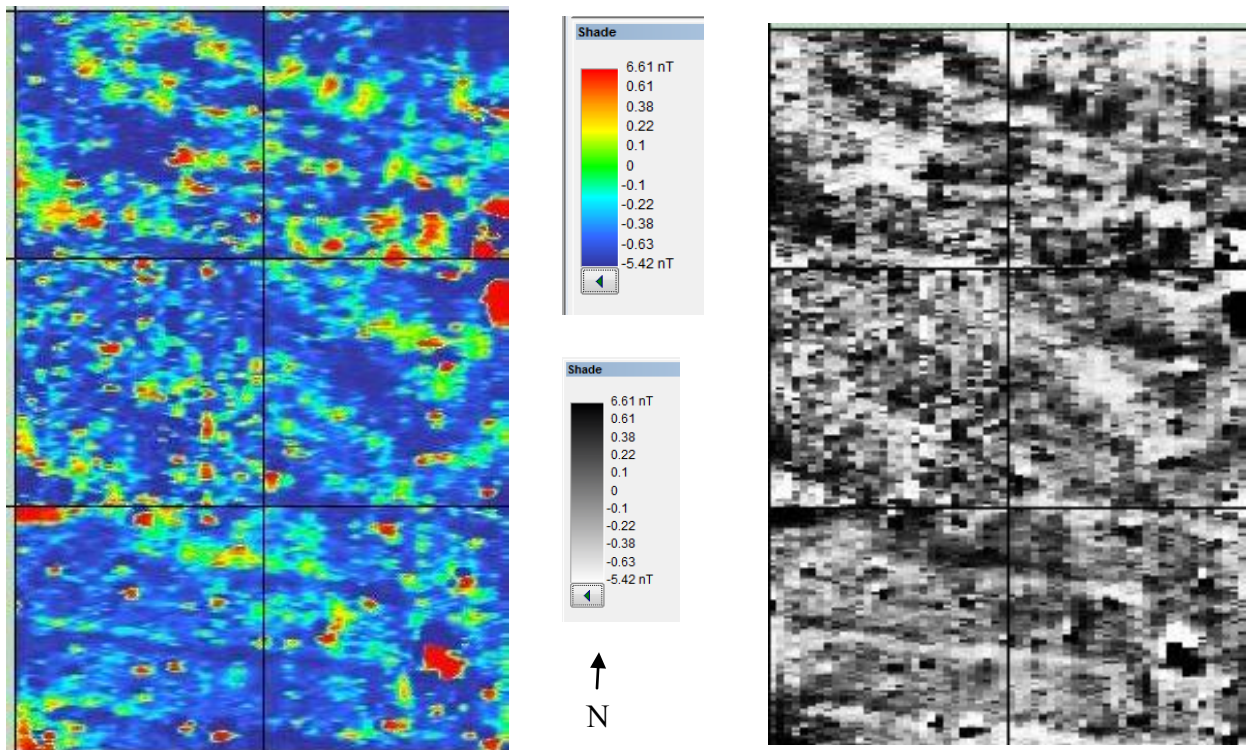


Fig 4: TerraSurveyor grids.



*Fig 5: TerraSurveyor shade view colour image (left). High readings are red.
TerraSurveyor shade view black & white image (right). High readings are black.*

The results shown in Fig 5 above reveal no archaeological features of note. The red circular features are likely to be caused by farmer's debris

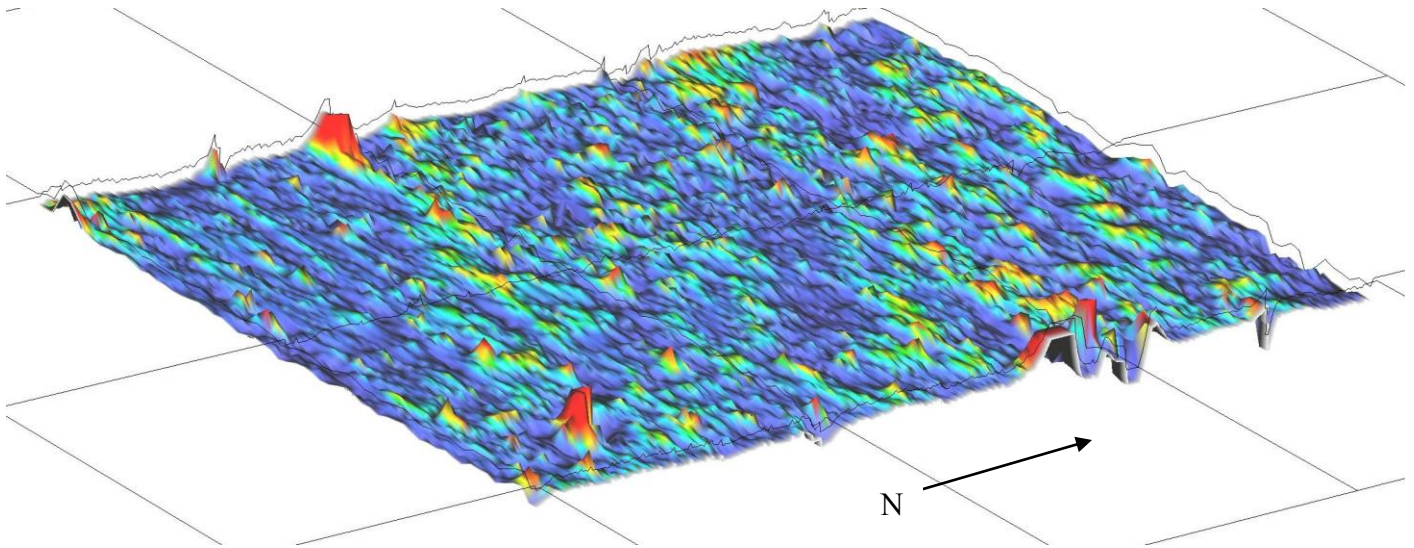


Fig 6: TerraSurveyor 3D colour image. High readings are red.

The 3D image shown in Fig 6 above confirms that the field appears to be void of archaeological features.

Recommendations

No further action

References

Congresbury Tithe Map

BRO 37959/9 (Bristol Record Office)

Authors: Ian Morton & Chris Short

Date: March 2014

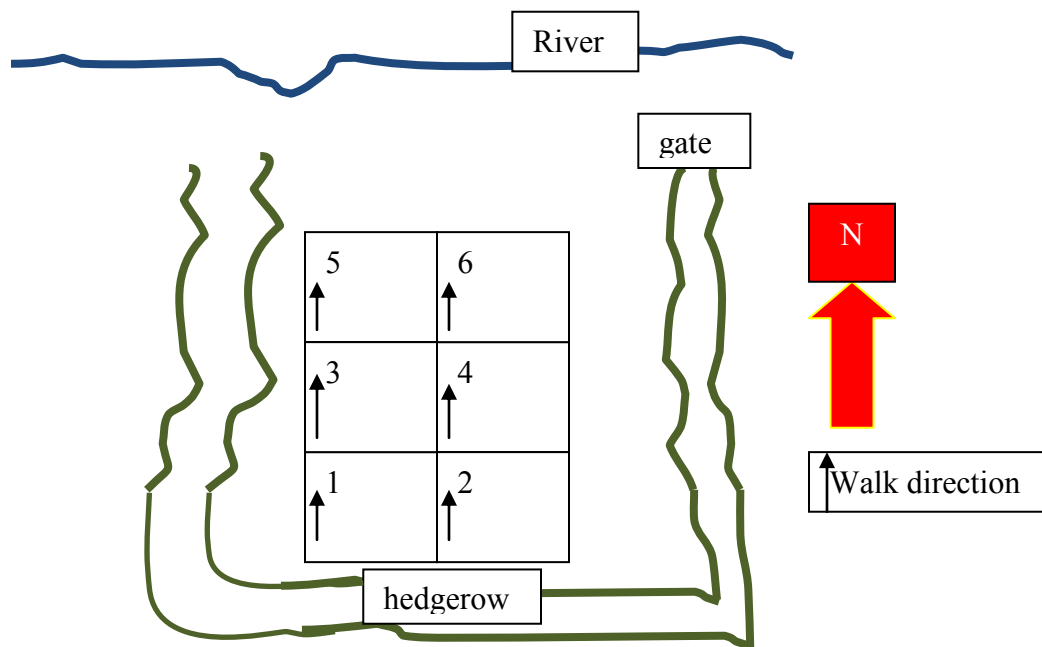
Appendix

Site Record

YCCCart Site Survey Project – Congresbury kilns		
Survey date	23 January 2014	
Report date	23 January 2014	
Type /Instrument	Grad 601	
	Pace :1.5m/s Lines/m : 1 Range:100nT Volume: High Sensors:2	Grid size: 30m x30m Pattern : Zig Zag Samples/m:4 Audio: On Threshold:10nT Reject:50 Hz
Location	Near end of Venus Street	
	See annex 1	
Ref	none	
Site name	2014_1	
Landowner	Mr. Alan Collins, Little Iwood, Wrington Road, Congresbury, BS49 5AR	
Tenant	None	
HER ref	TBC	
Site type	Open land	
Description	mowed pasture	
Period	Unknown	
Geology		
Land use		
Survey team and conditions		
23/01/2014	Team	Peter Wright, Janet Dickson, Ian Morton
	weather	Cold, sunny intervals.
30/01/2014	Team	Peter Wright, Peter English, Arthur Langley, Ferdii & Ian Morton
	weather	Cold, overcast.

Survey area		notes		readings		
Date	Grid number	size	walk direction	max	min	mean
23/01/2014		Setting out base line				
30/1/2014	1	30m x 30m	N	+13.2	-8.3	+1.4
	2	30m x 30m	N	+14.5	-8.5	+1.4
	3	30m x 30m	N	Not recorded		
	4	30m x 30m	N	+21.8	-8.3	+1.0
	5	30m x 30m Pylon in grid	N	+6.6	-2.3	+1.8
	6	30m x 30m Pylon in grid	N	+10.0	-100.0	-0.7

Annex 1 Setting out details



GPS

Grid Ref.	All ST	
	eastings	northings
A	344801.45	163013.36
B	344774.41	163011.12
C	344744.06	163013.20

NB. GPS may not be accurate