

**YCCART 2010 / 11
North Somerset HER 47524**

Mr Tutton Field 3

**YATTON, CONGRESBURY, CLAVERHAM AND CLEEVE ARCHAEOLOGICAL RESEARCH
TEAM (YCCART)**

General Editor: Vince Russett



Pete Wright directing operations in Mr Tutton's field 3

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Abstract

YCCCART has agreed with the Heritage Lottery Fund to undertake a project over two years commencing May 2009 to establish the extent of the Congresbury Roman kiln sites. Potential kilns have been identified within the field by surveys with the Bartington Gradiometer 601. It is intended to produce a pseudosection of targeted potential kilns.

Acknowledgements

A Heritage Lottery Grant enabled the purchase, by YCCCART, of a Bartington Gradiometer 601 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 K Tutton.

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

Introduction

Yatton, Congresbury, Claverham and Cleve Archaeological Research Team (YCCCART) is one of a number of Community Archaeology teams across North Somerset, supported by the North Somerset Council Development Management Team.

The objective of the Community Archaeology in North Somerset (CANS) teams is to carry out archaeological fieldwork, for the purpose of recording, and better understanding of, the heritage of North Somerset.

Site Location



Fig 1: Site location

The site lies in the south east of the village of Congressbury, in the District of North Somerset. The start point for this survey lies at ST 4449E 6257N, some 12 miles south of Bristol

The field is privately owned but can be viewed from a public footpath.

Land use and geology

The site lies immediately to the south of the flood plain of the natural course of the Congressbury Yeo. The geology is Carboniferous limestone, Keuper Marl and estuarine alluvium

The field was used in 2009 for grazing sheep.

Historical & archaeological context

The field is centred on reference 1845 on the 1839 Congresbury map. It is described in the 1840 Tithe apportionment as pasture land, called The Four Acres, owned by John Hugh Smyth Pigott Esq and occupied by George Cavit.

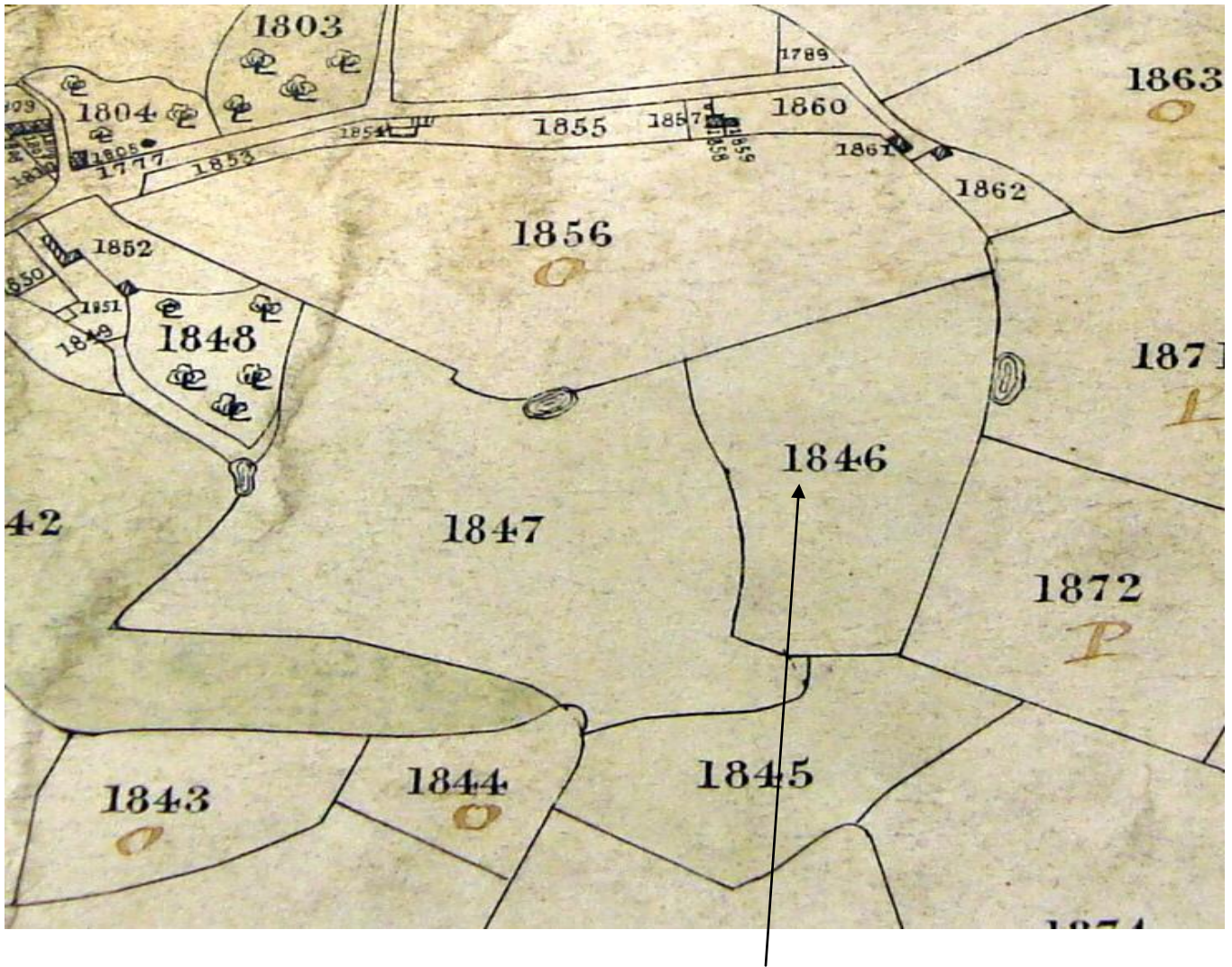


Fig 2: 1839 Map. Courtesy of Bristol Record Office BRO 37959/9

Survey objectives

The survey had the following objectives.

- 1) To identify any additional Romano-British kilns.
- 2) To use the survey to further train YCCCART members and members of Community Archaeology in North Somerset (CANS) in the use of the Bartington Gradiometer 601.

Methodology

The survey was undertaken during March 2010 by teams from YCCCART using a Bartington Gradiometer 601, with settings as per the site record in Appendix 1.

The completed survey was downloaded to the ArcheoSurveyor programme and the resultant composite adjusted using the following filters

```
Processes:      6
 1  Base Layer
 2  Clip at 4.00 SD
 3  Despike Threshold: 1 Window size: 3x3
 4  Despike Threshold: 1 Window size: 3x3
 5  Despike Threshold: 1 Window size: 3x3
 6  DeStripe Median Traverse: Grids: All
```

The base layer adjustments used were band weight equaliser and Grad shade

The report was written in Microsoft Word 2003.

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

Results

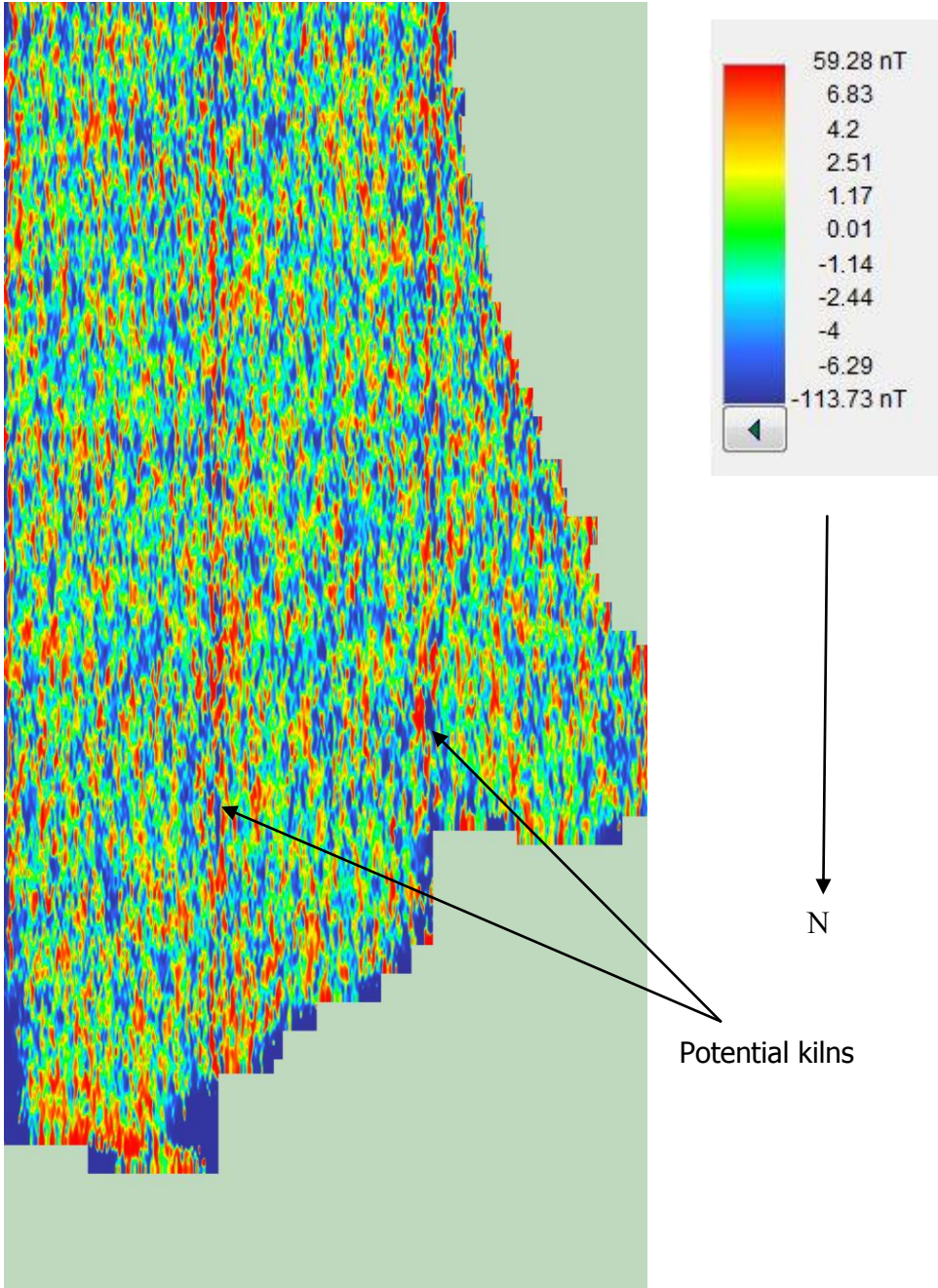


Fig 3: Shade view

Roman pottery kiln sites are generally indicated in gradiometry surveys by strong negative and positive peaks immediately adjacent to each other. Potential kilns are indicated above.

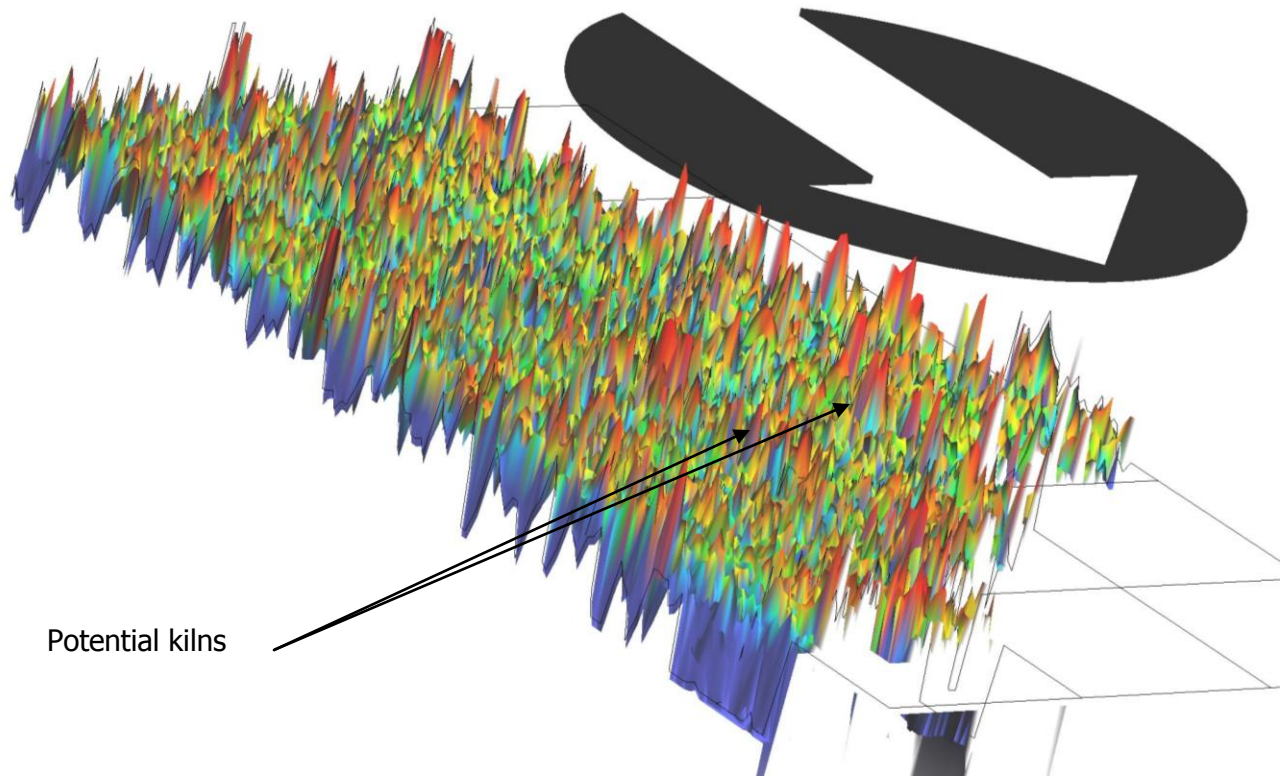


Fig 4: Axonometric view

These results illustrate the points made under the shade view. In this view, the potential kiln sites are indicated by red peaks surrounded by blue anti-peaks. Other high positive responses around the edges of the field are due to interference from items such as barbed wire and metal waste.

There is an exceptional number strong peaks in this field, some of which, as indicated, could represent the sites of Romano- British kilns.

Recommendations for further work

Results obtained in this survey indicate the potential sites of previously unknown Roman pottery kilns. Further geophysical techniques can be used to try and characterise the potential kilns and so it is recommended that a pseudosectioning survey is undertaken of a potential kiln sites in order that consideration can be given to full excavation of one kiln.

References

Extract from Congresbury Tithe Map - *BRO 37959/9*

Authors. Ian Morton & Chris Short.

Date. 21st March 2010

Appendix 1

Site record

YCCART Site Survey Project – Congresbury Kilns		
Survey date	22 nd April 2010	
Report date	22 nd April 2010	
Type /Instrument	Grad 601	
	Pace :1.5m/s Start: ?? Lines/m : 1 Range:100nT Volume: High Sensors:2	Grid size: 30m x30m Pattern : Zig Zag Samples/m:4 Audio: On Threshold:1nT Reject:50 Hz
Location	Venus Street, Congresbury	
	A = ST 4449E 6257N N 51°21'34" W 2°47'50"	D = ST E 4470 N 6266 N51°21'37" W 2°47'44"
Ref	none	
Site name	Tutton #3	
Landowner	Keith Tutton, Regina, Smallway Tel 01934 832493	
Tenant	Peter Pike, Barbary Farm, Kenn Moor. Tel 01934 833574	
HER ref	47524	
Site type	Open field	
Description	Grass	
Period	Unknown	
Geology	Limestone	
Land use	None	
Survey team	Peter English, Peter Wright, Chris Short, Susan Dugas, Brian Wills, Vince Russett & Ian Morton	

Survey area		notes		readings		
		size	walk direction	max	min	mean
Grid ref #	1	30 x 30 m	W	+97.9	-79.7	+21.5
	2	30 x 30 m	W	+97.5	-79.0	+19.2
	3	30 x 30 m	W	+97.9	-57.4	+21.7
	4	30 x 30 m	W	+96.6	-59.9	+22.6
	5	30 x 30 m	W	+95.3	-98.8	+17.0
	6	Mirror & return Abandon grid	W	+93.6	-100.0	+3.4
	7	30 x 30 m	W	+95.8	-79.1	+21.9
	8	30 x 30 m	W	+98.2	-55.3	+20.0
	9	30 x 30 m	W	+96.5	-47.5	+19.6
	10	30 x 30 m	W	+96.9	-57.4	+18.5
	11	Mirror & return Abandon grid	W	+98.9	-100.0	+17.1
	12	Mirror & return	W	+97.6	-54.5	+19.8
	13	Mirror & return	W	+96.8	-59.8	+18.7
	14	Mirror & return	W	+98.7	-60.5	+20.8
	15	Mirror & return Abandon grid	W	+95.9	-100.0	+19.9
Summary		15 # grids completed Weather: sunny and warm Survey completed				
Ian Morton 22/04/2010		Version 1				

Setting out details

