

**YCCART 2013/Y 5
North Somerset HER 2013/99**

**Resistivity Survey at Iwood
(Mr Collins Orchard)**

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

General Editor: Vince Russett



The RM 15 in the orchard.

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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 resistivity survey has revealed track ways, the site of a well and a possible cobbled area and structures.

Acknowledgements

A Heritage Lottery Grant enabled the purchase, by YCCCART, of a Geoscan RM 15 resistivity meter, 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.

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.

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 no public right of way exists.

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

Please see YCCART report 2010 Y16 on this site for the history and archaeology of Iwood.

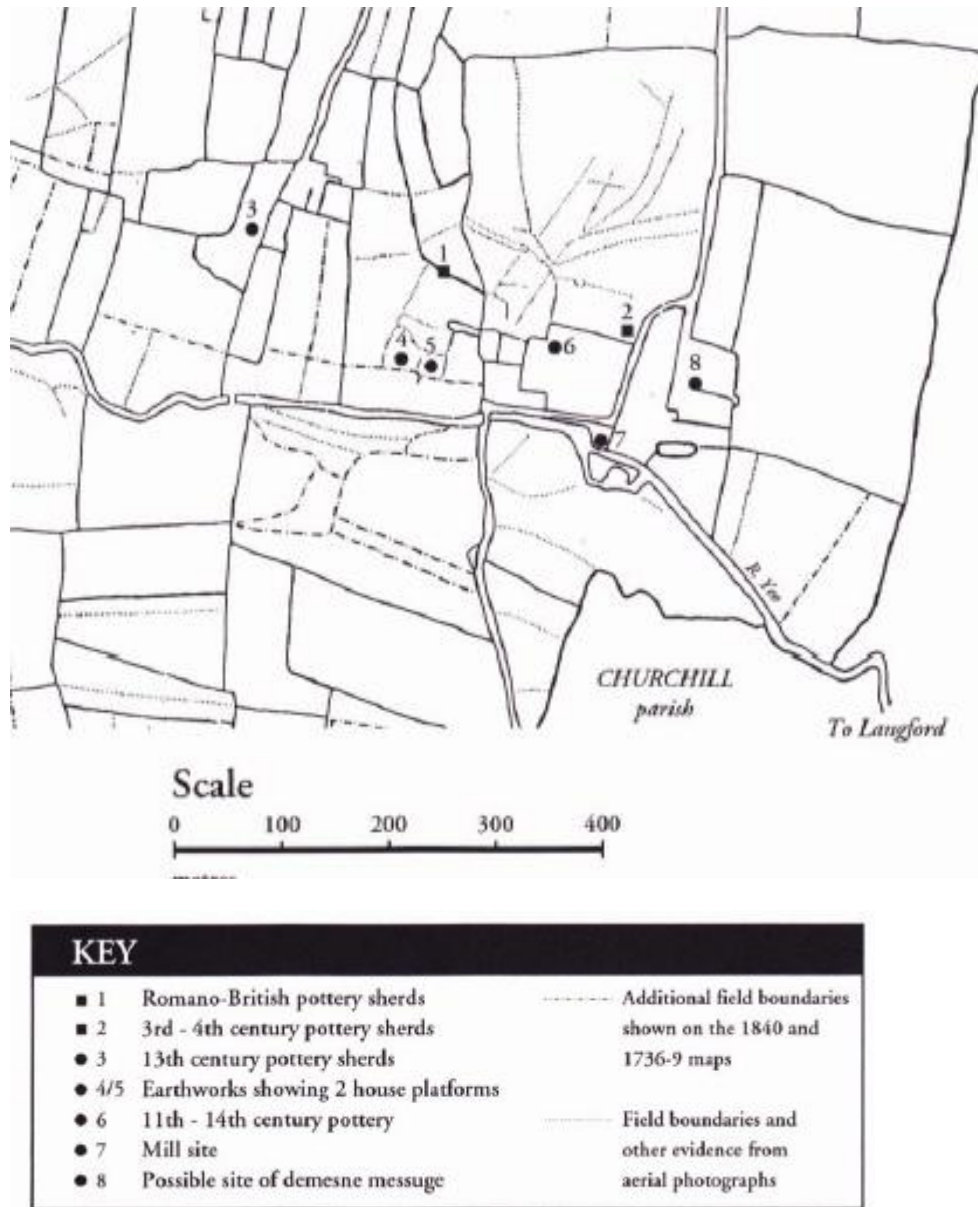


Fig 2: Iwood area showing possible Romano-British and medieval occupation sites from Gill Bedingfield's Iwood dissertation.

13th century pottery sherds have been recorded in the orchard (Bedingfield. G.M. 1996) as illustrated in Fig 3 above (See number 3 on map).

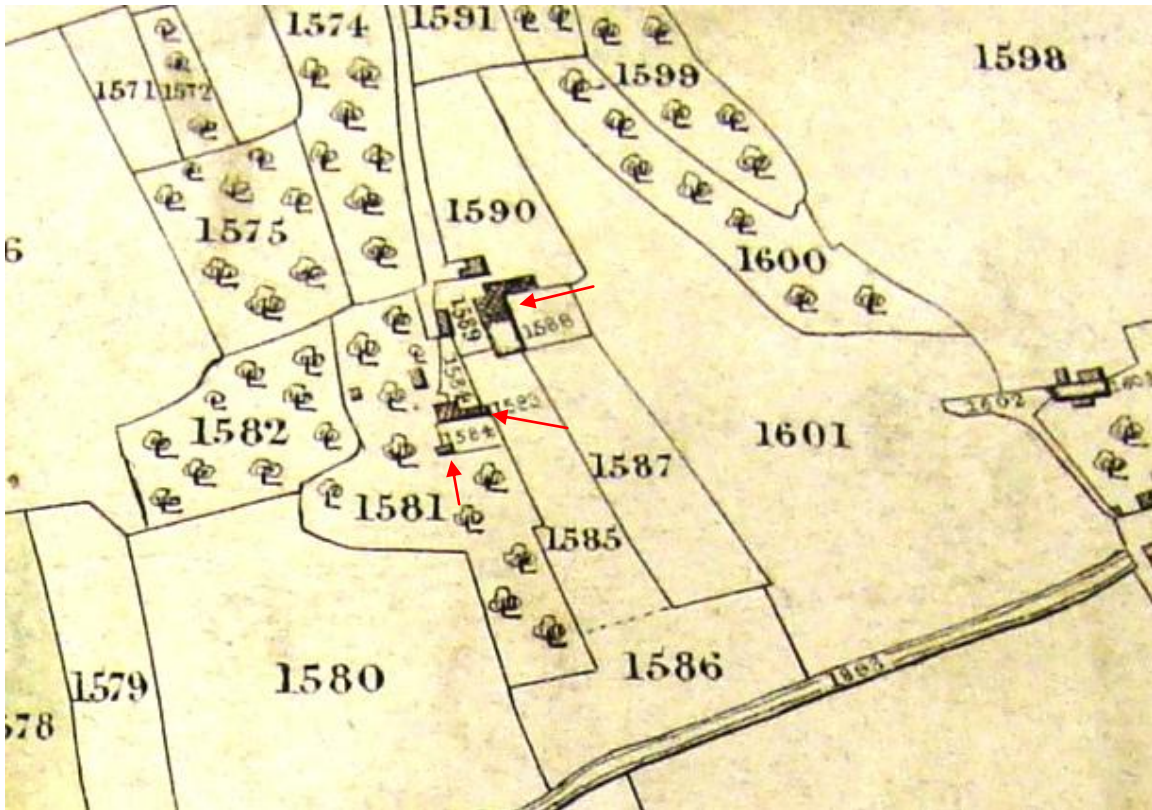


Fig 3: Fig 2: 1839 Map. Courtesy of Bristol Record Office BRO 37959/9. The surveyed area contains numbers 1581, 1583 and 1584 on the map. The top red arrow indicates the current farm house, The middle red arrow the demolished farmhouse. The lower red arrow the now demolished outside toilet.

The Tithe apportionment record, relating to the 1839 map above, shows the current orchard as:-

- 1581. Orchard.
- 1583. House.
- 1584. Garden.

All owned by Samuel Parker and occupied by William Hardwick.

The current owner pointed out that when the old farmhouse (1583 above) was demolished stone from it were used on the current farmhouse and that the old farmhouse is on the site now occupied by an old cess pit.

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 the period April to June 2013 by teams from YCCCART, using a Geoscan RM 15 resistivity meter, with settings as per the site record in the Appendix.

The completed survey was downloaded to a TerraSurveyor program.

ArcheoSurveyor composites were adjusted using the following filters:

Standard settings

- 1) Band weight equaliser
- 2) Grad shade
- 3) Despiked
- 4) Clip SD2
- 5) High pass Gaussian filter

The report was written in Microsoft Word 2007.

The photograph was taken by a YCCCART member and remains the copyright of YCCCART.

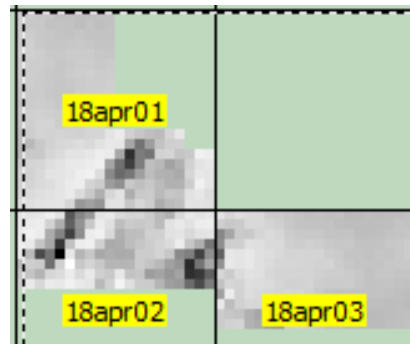
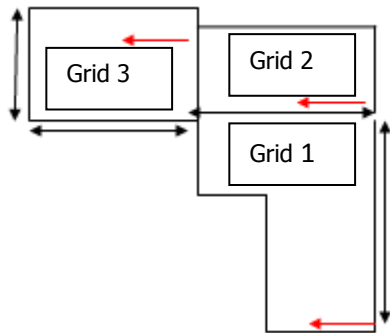
Results



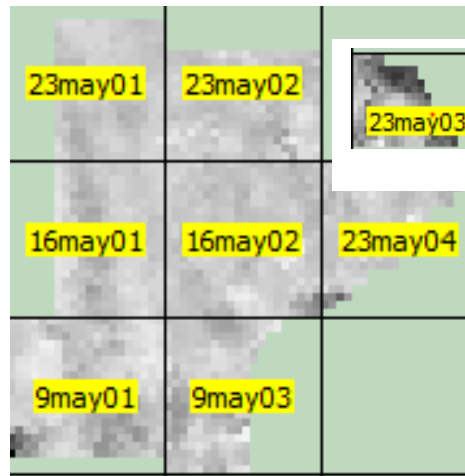
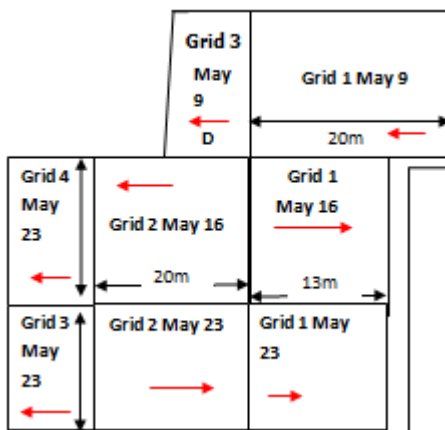
Fig 4: Division of surveyed area.

The orchard was split into 3 areas – Fields 1 to 3 as per Fig 4 above.

Field 1



Field 2



Field 3

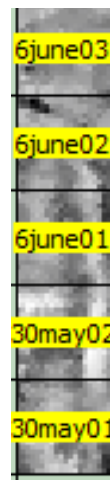
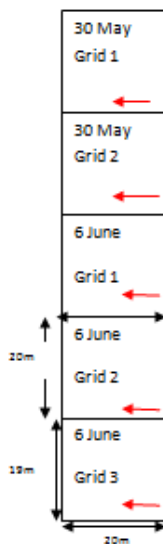


Fig5: Grid layout –left & TerraSurveyor grids –right.

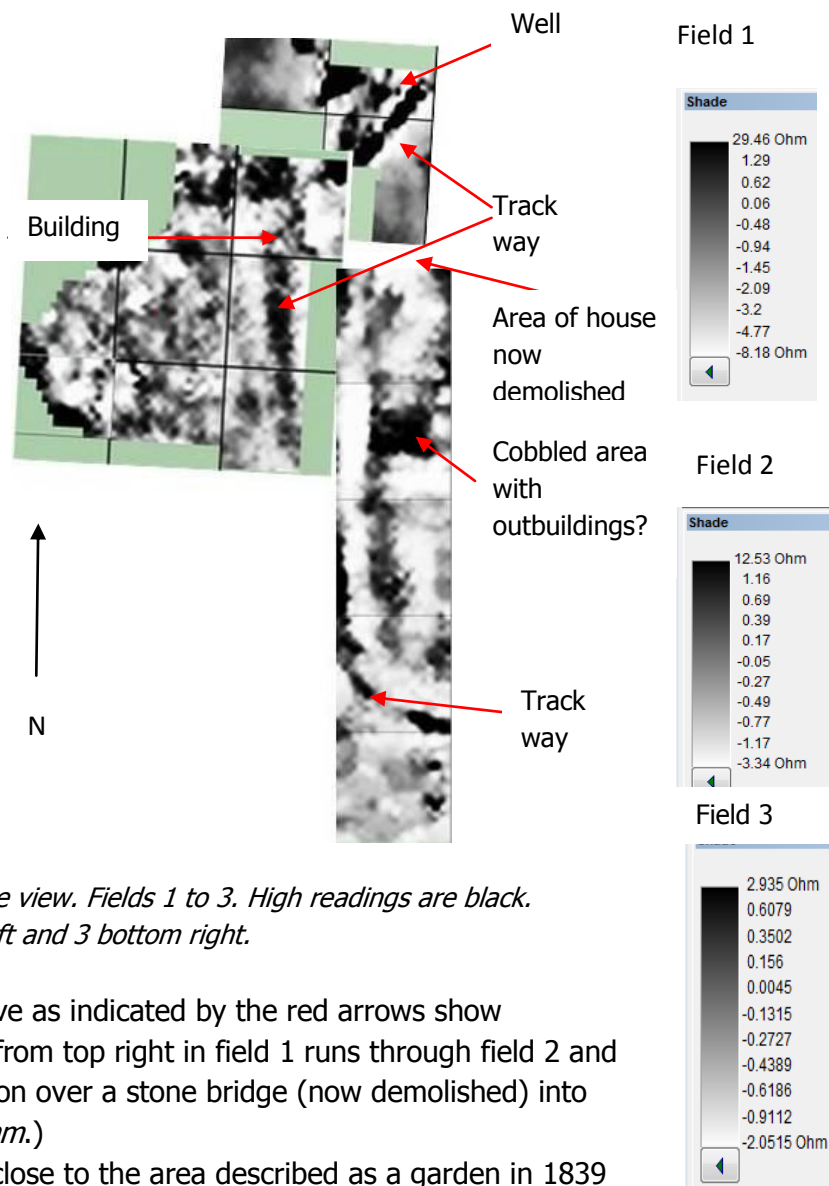


Fig 5: TerraSurveyor shade view. Fields 1 to 3. High readings are black. Field 1 is top right, 2 is left and 3 bottom right.

- The results in Fig 5 above as indicated by the red arrows show
- 1) A track way running from top right in field 1 runs through field 2 and is likely to have carried on over a stone bridge (now demolished) into field 3 (Collins *pers comm.*)
 - 2) In field 3 and south/close to the area described as a garden in 1839 is a square back anomaly possibly a cobbled area with what appears to be small structures to its north and south.
 - 3) Field 1 (top right in Fig 5) contains a high resistance area which the current owner considers the site of an old well.
 - 4) The top right of field 2 contains what appears to be part of a structure.



Fig 6: Results overlaid on current aerial shot.

The features described previously are also evident in Fig 6 above. The red arrow indicates the site of the demolished farmhouse.

Recommendations

No further action

References

Bedingfield, G. 1996

Iwood, How long has it existed as a discrete settlement unit and how did this affect its economy, MA Dissertation. Bristol University 1996).

Congresbury Tithe Map

BRO 37959/9 (Bristol Record Office)

Author: Chris Short & Ian Morton

Date: July 2013

Appendix

Site Records

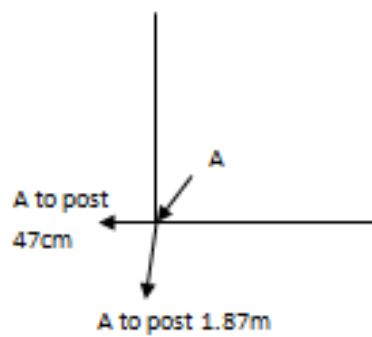
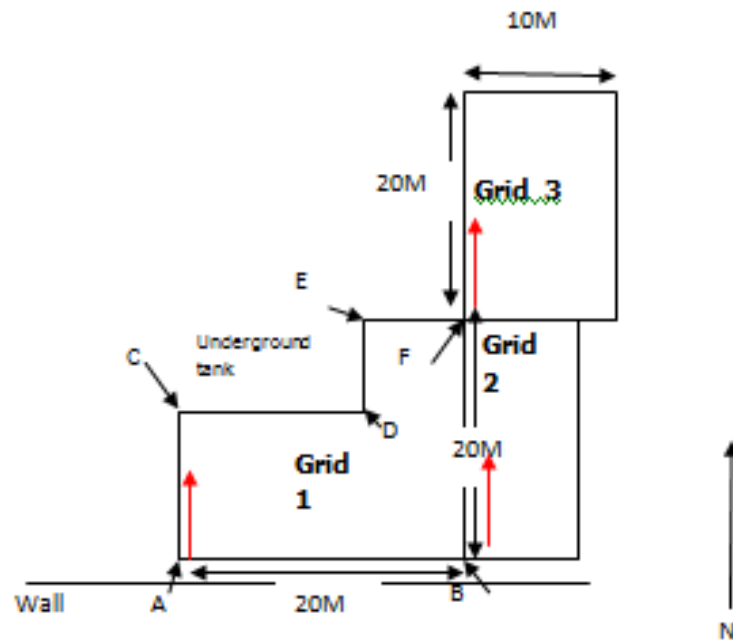
YCCART Site Survey			
Project – Collins Orchard			
Survey date	18 April 2013 to 6 June 2013		
Report date	6 June 2013		
Type /Instrument	RM15		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Gain x1, Current 1mA Frequency 137Hz Probes 'Config 1' (2 probes)</td> <td style="width: 40%;">Grid size: 20m x20m Pattern : Zig Zag Sample interval 1m Traverse Interval 1m. Mode Zig-Zag</td> </tr> </table>	Gain x1, Current 1mA Frequency 137Hz Probes 'Config 1' (2 probes)	Grid size: 20m x20m Pattern : Zig Zag Sample interval 1m Traverse Interval 1m. Mode Zig-Zag
Gain x1, Current 1mA Frequency 137Hz Probes 'Config 1' (2 probes)	Grid size: 20m x20m Pattern : Zig Zag Sample interval 1m Traverse Interval 1m. Mode Zig-Zag		
Weather	18 April: Sunny, dry but very windy. 9 May: Overcast, very windy, grass damp. 16 May: Sunny & warm. 23 May: Overcast, dry, cold. 30May: Cloudy then sunny & windy. 6 June: Sunny & warm.		
OS Ref or Lat-Longitude	See below		
Site name	Collins orchard		
Landowner			
Tenant			
HER ref			
Site type	?		
Description			
Period			
Geology	See report		
Land use	Paddock		

<i>Survey team</i>		<p><i>18 April: David Long, Chris Short, John Haynes, Anne Dimmock & Janet Dickson.</i></p> <p><i>9 May: David Long, Chris Short, John Haynes, Janet Dickson, Pete Wright, Pete English and Janet Burdge.</i></p> <p><i>16 May : David Long, Chris Short, Geoff Pearson, Janet Dickson, Mike Fox, Maggie Rosevink.</i></p> <p><i>23 May : David Long, Chris Short. Pete English, Maggie Rosevink, Sue Farrell and Janet Burdge.</i></p> <p><i>30May: : David Long, Chris Short, Geoff Pearson, Anne Dimmock, Unsal Hussan.</i></p> <p><i>6 June: David Long, Chris Short, Geoff Pearson, Anne Dimmock, Maggie Rosevink, John Haynes & Brian Wills.</i></p>				
Survey area		Notes		Readings		
		Size	Walk direction			
18 April	Grids 1 to 3 All grids truncated as per site drawing below	20x20m	W			
9May	Grid 1 – Reminated right hand side by approx 3m Grid 2 –Aborted Grid 3 – Truncated grid.	20 x20m	W			
16 May	Grid 1 (length 13m) Grid 2	20 x20m	E W			
23 May	Grid 1 (length 13m) Grid 2 – truncated by hedge Grid 3 – truncated Grid 4 – truncated Grids 3 & 4 small in size	20 x20m	E E W W			

30 May	Grid 1 & 2 Grid = 19m only west/east	20 x20m	W			
6June	Grid 1 Grid 2 Grid 3 (19m wide)	20x20m 20x20m 20x20m	W W E			
Summary	Downloaded as: TerraSurveyor: Collins Orchard Main / 1) Collins Orchard 2) To 23 May Field 2 & Orchard 23 May 3) Collins Orchard F3 complete					

Grid layout

Field 1



GPS- Field 1	
A:	345109.62, 163212.87
B:	345107.88, 163233.34
F:	345090.63, 163239.44

