YCCCART 2010/Y14 North Somerset HER 2010-111

Congresbury parish church environs: geophysical surveys and documentary recording

YATTON, CONGRESBURY, CLAVERHAM AND CLEEVE ARCHAEOLOGICAL RESEARCH TEAM (YCCCART)



General Editor: Vince Russett

Taking readings from the Grad 601. Pete Wright & Susan Dugas on 13 May 2010

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Abstract

YCCCART has agreed with the Heritage Lottery Fund to undertake a project over two years, commencing May 2009 to investigate the archaeology of Cadbury hill fort and its environs. As part of this study two sites were selected in the grounds of Congresbury church. One site is to the west of the current graveyard, the other is the paddock to the east of the church.

Resistivity and gradiometry results highlight in particular an area to the west of the current graveyard with possible post holes and other features, which are worthy of further investigation via a small excavation. An opportunity was also taken to gather together and publish a number of records concerning the church and its surroundings from obscure or difficult places, to inform the surveys.

Acknowledgements

A Heritage Lottery Grant enabled YCCCART to purchase a RM15 Resistance Meter and Bartington Gradiometer 601 without which surveys could not have been undertaken.

YCCCART are most grateful to Congresbury Parish Council and St Andrews Church, Congresbury for allowing the surveys to be undertaken

The authors are also grateful for the hard work by the members of YCCCART in performing the surveys and Vince Russett for general editing.

Introduction

Yatton, Congresbury, Claverham and Cleeve 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.

For further information, see http://cansnetwork.co.uk

Site location

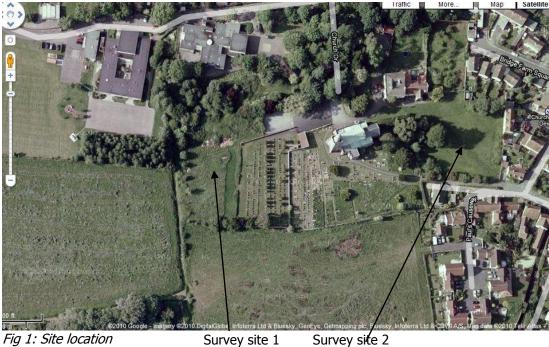


Fig 1: Site location

Survey site 1

The sites lie in the village of Congresbury, in North Somerset, at ST444672 some 12 miles south of Bristol.

Site 1. The graveyard is open to the public and the Glebe land field, although private, can be viewed from the church drive and graveyard.

Site 2. The paddock in front of the Refectory is open to the public.

Land use and geology

Site 1. The current Congressbury churchyard is on one part of the site. The other section, the Glebe land field, has been levelled and landscaped in preparation for the erection of a log cabin.

Site 2. The paddock in front of the Refectory is currently laid to grass.

The solid geology is a low knoll of Mercia Mudstone, surrounded on all sides by the alluvium of the North Marsh.

Historical & archaeological context

St Congar appears to have given his name to the village of Congresbury and there is belief that the 5th/6th century re-occupation of nearby Cadbury hill fort may have had Christian aspects and a connection with this saint (pers comm Mick Aston). The legend of St

Congar associates him with the village church site where the sparse remains of St Congar's 'walking stick' (the last remains of a dead yew tree) can still be seen.

In 1501 the current church was mentioned in a will as being dedicated to St Congar: in 1996 a group of eleventh century sculptured fragments were discovered by Richard Broomhead and Vince Russett at nearby Brinsea, which appear to have once been part of the shrine of St Congar, probably in the previous parish church (Costen & Oakes 2003: 281 – 309.)

The earliest written record of Christianity in Congresbury dates from around 886AD when King Alfred gave Congresbury's minster to Asser, Bishop of Sherborne, and the 1086 Domesday book records a church at Congresbury endowed with half a hide of land.

On July 11^{th} 1215 the present church was consecrated. It was extensively altered and enlarged during the 14^{th} and 15^{th} centuries.

Evidence of early buildings

In addition to the church, Refectory and Vicarage there is evidence that other buildings existed within or near the churchyard as follows:

a) A free-standing chapel in the churchyard dedicated to St Michael. This was mentioned in 1503 and seems to have been a mortuary chapel. By 1548 the chapel was described as *scituate within the churche yarde ther nuwe in decay and unkevered wherin lyme is stecked, lead moltun, and such other necessarie busynes dun at the tyme of the reparinge of the paryshe churche.*

(Somerset Record Society, Somerset Chantries Survey & Rental, Vol II, page 75)

The existence of this chapel provides further evidence of the high status of this site, since this is one of the features indicating minster status for the church (pers comm M Costen).

b) Richard Broomhead in his unpublished parish survey mentions that in 1215 'The garden on the east side of the church and the bishop's court' are noted in the charter of endowment of the newly dedicated church of Congresbury whilst in 1262, William, Bishop of Bath and Wells granted 'A croft which Stephen de Aguste, formerly vicar of the same church, held in the manor of Congresburi, between the way which leads to the cemetery of Congresburi on the north side of the church and the manse of the aforesaid William.' He considers that this latter reference suggests the bishops' dwelling (*mansum*) lay to the north east of the church (Broomhead, *in prep*).

c) The Rev John Skinner in his journal is said to have referred to a gatehouse at the church dating to the time of Edward III (1312 to 1377) (pers comm V Russett, 2007).

d) Francis Neale recorded that on 25th August 1965 when removing a tree from the corner of the churchyard extension, behind the boiler-house, (formerly said to have been a stable block) a wall was revealed which may have been associated with an earlier building. The length of the walling found was 16 feet, 9 inches. It extended in a north-south direction, virtually at right angles to tile north churchyard wall, parallel to the back of the former stables, and 10 ft, away from the latter. It is said that the stable block was once larger and so the wall may be part of the original building. (Neale 1965)

Recorded Finds

Recorded finds from the church area further support early activity on this site.

1. A Roman coin of Theodora (about 292 AD) and a sherd of Saxon pottery (identified by Phillip Rahtz) were found by Gray Usher in the graveyard. (Cran1983:8 & Fowler et all 1970:23 & 48)

2. From a grave dug in 1972 Iron Age? and Roman sherds and other material were recovered. (Rahtz et al 1992:6)

3. When the Churchyard extension was created it allowed examination of sections and excess spoil from recent graves. Finds included: Romano-British and later but premedieval potsherds, a Pennant stone, burnt stone and animal bones, suggesting occupation earlier than the church on the low knoll at the west end of the village (Rahtz & Fowler 1972: Archaelogical Review 38

4. Alex Cran in the *Story of Congresbury* (Cran 1983: 12) reports that 'A complete Saxon skull of a man about 50 years of age , along with other skull bones', was found in the churchyard when a grave was being dug in 1950. The analysis report found amongst Alex's archives in Weston–Super Mare Library gives the additional information that the skull was of a male between 45 and 60 years of age.

5. The Parish Magazine for June 1951 (page 4) states that 'Mrs Green recalls that she was told how when the boiler house was excavated for the first steam heating of the church a complete skeleton was found in a stone coffin. Under direction of the then vicar, Rev Hunt (1867-1883), the skeleton was reburied in the churchyard. The coffin seems to have been broken up to make the steps into the stoke hole'.

6. The main report of the excavations on Cadbury Hill during 1968 to 1973 (Rahtz et al 1992: 6) contains the following :

'Grave diggers reported to us in 1972 that "two skeletons" were found when digging a recent graveThe "Saxon" potsherd .. had been found in one of the early graves in this row i.e. at the north end; but this does not accord with the location given to us by Mr Gray Usher, who reported it as having been found 30 yards SW of the church.'

7 In the introduction to the report of the Cadbury Hill excavation of 1968 (Fowler et al 1970: 48), it is reported that Mr Usher and Mrs Cran, wife of the Rector, also reported 'a line of skeletons' i.e. head to toe, allegedly 'Saxon' oriented east-west, uncovered between the church tower and a storage shed (old stable block) in the churchyard, i.e. west from the north west corner of the tower, when a trench was cut across the present path a few years ago. Another, oriented N-S, was found by Sue Grant when planting a tree in 2000. (pers comm V Russett 2010)

7. In 2008 a piece of pre-Conquest pottery together with human bone fragments was recovered by Vince Russett, North Somerset County Archaeologist from the spoil heap of

recently dug graves at the western of the current graveyard.

Grassed enclosure banks

Earth (presumably enclosure) banks exist within the churchyard to the south of the church (under the church wall), to the west of the church following a line from the church office to the south wall and on the eastern side of the church in front of the memorial to Farmer Hardwick. These may be early features of the minster's layout.

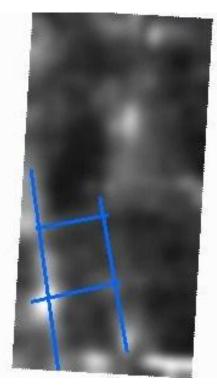
Previous YCCCART involvement

YCCCART became involved in the church when Vince Russett, North Somerset County Archaeologist, was asked to undertake a resistivity survey of the orchard beside the Refectory in advance of construction of a healing chapel.

Earlier geophysical surveys

In 2008 resistivity surveys were undertaken by Vince Russett and YCCCART which included

- 1 The open area of the current graveyard. Results have not been published but Vince has stated that a circular feature, in line with that suggested in the results section below, was evident.
- 2 The orchard beside and to the east of the Rectory.



The result of the orchard survey shows presumed walls illustrated by the blue lines.

A single evaluation trench dug by Richard Broomhead in July/August 2008 established the existence of an early 'medieval, building with well preserved archaeology sealed by minimal topsoil and subsoils.'

Could this be the foundations of the vanished bishops court mentioned in 1215?

Fig 2: Resistivity result and interpretation from earlier orchard survey

Examination of maps

The 1736 De Wilstar map was examined closely for any indications of buildings now demolished but nothing was found.

Walking the orchard/church area.

In 2008 YCCCART also walked the orchard and area around the church. Some small garden areas yielded a surprising number of finds, some medieval and structural, such as sherds of Redcliffe roof tiles and a fragment of Pennant Sandstone roof tile with its suspension hole preserved. Other finds included post-medieval domestic pottery and glass. The finds are currently in the YCCCART archive for recording.

Orchard finds

Roof tiles



Fig 3: Pennant Sandstone roof tile from the church orchard

Nine fragments of roof tile were found. It is difficult to date these, since they have been used in the Roman period and ever since, but these are probably of medieval date.

Pottery

Medieval and later pottery shards were also found including 3 pieces of 13-15th century green glazed Redcliffe Ware roof ridge tiles said by Mick Aston to have had a coxcomb ridge at their apex.



Fig 4: Pottery of various dates from the orchard garden

Church area

A number of large carved and un-carved stones were noted. However we were unable to locate Keith Gardner's 'dragon' last seen (and fortunately, photographed) by him in the church porch in the 1970s. This carved stone is probably of Romanesque date $(11^{th} - 12^{th} century)$, and looks to have been a corbel. The photograph of this stone beneath is from the Keith Gardner archive.



Fig 5: Stone carving recorded by Gardner (1970's)

2010 Survey objectives

The survey had the following objectives.

1 To identify any features indicating lost buildings or earlier occupation of the site. 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 and Resistance Meter RM15.

Methodology

Resisitivity

The resistivity survey was undertaken during the period April to June 2010 by teams from YCCCART using a RM15 resistivity meter

The survey was downloaded

Using ArcheoSurveyor 2.4.0.23 and adjusted using the following filters.

- Band weight equaliser
- Grad shade
- Destriped
- Despiked
- Clip SD2

The resultant image was then adjusted in order to match grids using Microsoft Office Publisher 2007.

Gradiometry

The gradiometry survey was undertaken on 6th May 2010 (site 1) and 13th May 2010 (site 2) by teams from YCCCART using a Bartington Gradiometer 601, with settings as per the site record in Appendix 1.

The completed survey was downloaded using ArcheoSurveyor 2.4.0.23 and the resultant composite adjusted using the following filters

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

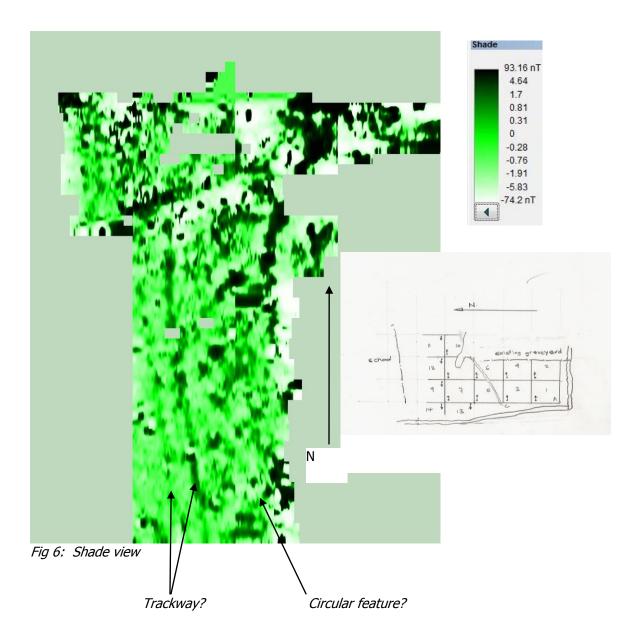
The report was written in Microsoft Word 2003.

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

Results

Site 1: Current graveyard / Glebe land field

Gradiometer survey



The survey reveals a potential circular feature and possible track way between two parallel linear ditches (as per figure 6 above). A few parallel linear features running above right to lower left are probably agricultural drains.

A bungalow once stood on the area at the top of figure 3, hence the high readings and typical 'occupation noise' no doubt caused by such items as service drains, bonfires etc.

Resistivity survey

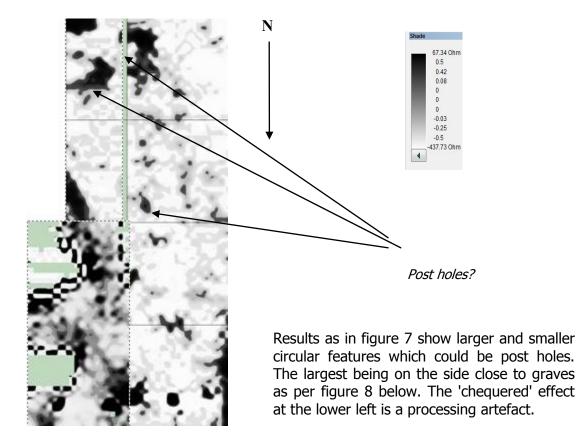


Fig 7: Shade view

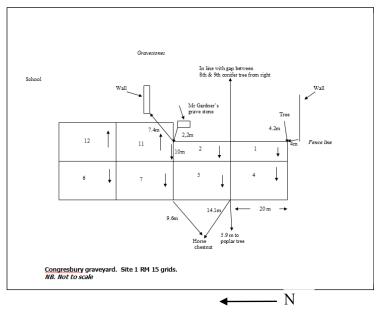
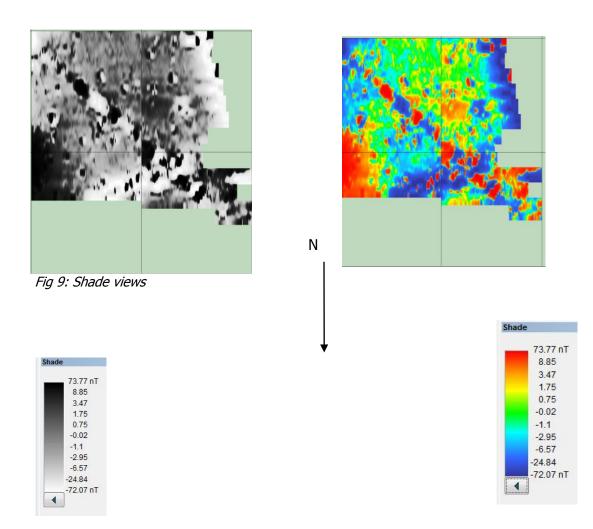


Figure 8: RM15 survey plan

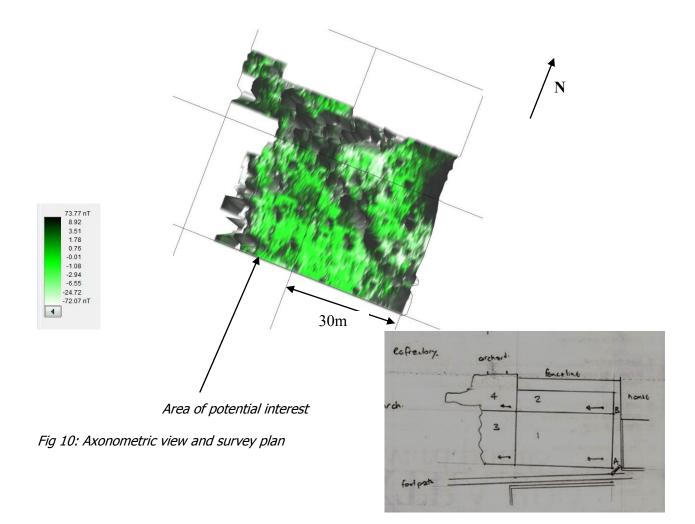
Site 2: Paddock to east of the church

Gradiometer survey



The major feature is the obvious pipeline / cable running from bottom right to top left on the gradiometry results: the other dipoles look like waste iron or similar. The broad band of high negative response (deep blue) running from SW to NE at the north end of the site is unusual – it may be nothing more than a different pipe, but it seems rather wide for this, and could potentially be an infilled ditch, and potentially of archaeological interest, especially as it appears to share a common alignment with geophysical features recently discovered around the Refectory (*Geophysical surveys at the Refectory, Congresbury 2010* YCCCART, *in prep*).

Many of the other dipoles are the common result of waste ferrous material in the soil.



The area highlighted in figure 10 above of potential interest was surveyed using the RM15 resistivity meter.

Resistivity (RM 15) survey of grid 3 above

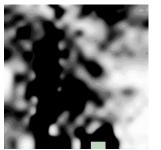


Fig 11: Shade view

	8.25 Ohm
	-0.06
	-0.25
	-0.33
	-0.5
	-0.75
	-1
	-1.25
	-1.63
	-2.06
_	-4 Ohm

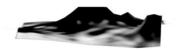


Fig 12: Axonometric view

The RM 15 survey result may be of interest. It does not show the apparent right-angle feature shown in the gradiometry results, (see figure 10, *area of potential interest*, above), which is presumably therefore a pair of magnetically enhanced negative features (pits and /or ditches) rather than stone structures.

Discussion

These results are intriguing, and clearly demonstrate (along with the forthcoming report on geophysical surveying around the Refectory itself) the potential for geophysical surveys carried out by community archaeology groups to broaden and deepen the understanding of sites thought to be already known and well understood.

The implications for the refectory site and the archaeology around and beneath it will be discussed in that forthcoming report.

For the churchyard extension, the finding of distinctive geophysical responses in areas close to where new graves are uncovering previously unknown human remains and pottery, may imply the existence of previous structures or burials, something which should really be tested by trial evaluation. The 'track way' seen on the gradiometry is intriguing since there are no obvious origin or destination for it in the current landscape.

The paddock to the east of the church is surprisingly geophysically quiet, although a potential buried ditch in the north side of the field is intriguing, since it shares an alignment with geophysical features to be published in the forthcoming Refectory report.

Recommendations for further work

In view of the anomalies found on the surveys close to the current graves in the new church yard it is recommended that a small trial excavation is undertaken before the digging of further graves destroys any feature.

References

Bedingfield, G. 1996	<i>St Congar & All That</i> Congresbury History Group, Congresbury
Broomhead, R.A. (in prep)	<i>Congresbury, the History of a Landscape</i> Unpublished manuscript in the YCCCART archive
Cran, A. S. 1983	<i>The Story of Congresbury,</i> Redcliffe Press Ltd, Bristol
Fowler, P.; Gardner, K. S. and Rahtz, P. A. 1970	<i>Cadbury Congresbury Somerset. 1968</i> <i>An Introductory Report,</i> Department of Extra-Mural Studies, University of Bristol, Bristol
Green, Mrs. 1951	Congresbury Parish Magazine June 1951
Neale, F. 1965	Handwritten note held in Alex Cran papers deposited in Weston super Mare library
Oakes, M. and Costen, M. 2003	<i>The Congresbury Carvings</i> Antiquaries Journal 83, London
Rahtz, P et. al 1992	<i>Cadbury Congresbury 1968-73</i> BAR British Series 223, Oxford
Rahtz P and Fowler P 1972	Article in Serial, Archaeological Review.38
Somerset Record Society 1925	<i>Somerset Chantries Survey & Rental</i> , Vol II,Taunton

Authors: Colin Campbell & Chris Short

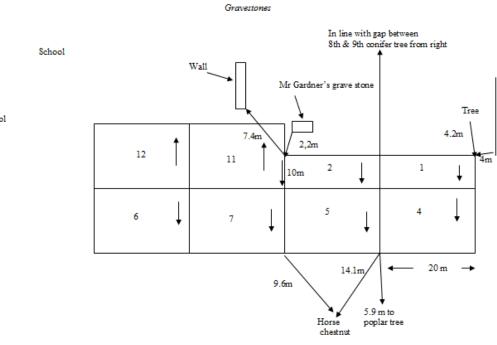
Date: August 2010

Appendix 1

Survey site records RM15 – Site 1

YCCCART Site Survey Project – Congresbury graveyard/ Glebe field						
Survey date Ist April 2010 to 3 June						
Report date	June 2010					
Type /Instrument	RM15					
Type / Instrument						
	Gain x1, Grid size: 20m x20m					
	Current 1mA	Pattern : Zig Zag				
	Frequency 137Hz Probes 'Config 1' (2 probes)	Sample interval 1m Traverse Interval 1m.				
	Probes Coning I (2 probes)	Mode Zig-Zag				
Weather	1 April - Mainly dry & sunny					
	6 May Dry, sunny					
	13May - Dry, sunny					
	20 May – Dry, sunny					
	3 June – Dry ,sunny					
OS Ref or Lat-Longitude	ST444/672					
Site name	Churchyard extension, west o	of the new graves				
Landowner	Church/ Parish Council					
Tenant	none					
HER ref						
Site type	Graveyard / open field					
Description	grass					
Period	unknown					
Geology	unknown					
Land use	none 1 April - Colin Campbell, Judy	· Sack Dhilippa Cormack				
Survey team	Chris Short	у заск, етшірра соппаск,				
	6 May Colin Campbell, Dave	Long, Unsal Hassan, Chris				
	Short					
	13 May - Colin Campbell, Day	ve Long, Unsal Hassan,				
	Chris Short	2.				
	20 May - Vince Russett, Colin	n Campbell, Dave Long,				
	Unsal Hassan, Chris Short.					
	3 June - Colin Campbell, Dav	e Long, Philippa Cormack,				
	Chris Short.					

Survey area		no	otes	readings		
		size	walk direction			
	1 1 April	20 m	SW			
	2 <i>1 April</i>	20 m	SW			
	3a <i>1 April</i>	20 m	SW			
	Part grid)					
	4 <i>6 May</i>	20m	SW			
	5 <i>6 May</i>	20m	SW			
Grid ref #	6 <i>13 May</i>	20m	SW			
Ghu lei #	7 <i>13 May</i>	20m	SW			
	8 <i>20 May</i>	10m	SW			
	9 <i>20 May</i>	10m	SW			
	10 <i>20 May</i>	10m	SW			
	11 <i>3 June</i>	20m	E			
	12 <i>3 June</i>	20m	E			
Summary		Dune20mE1 April saved Snuffler as 1,2 & 3: Geoplot as congch 1, conch 2 conch 3, ArcheoSurveyor as 01apr01, 01Apr02, 01Apr03 (03 not used)6 May saved Geoplot as conch4 and conch5, ArcheoSuveyor as 6may01, 6 may 0213 May Geoplot saved as 6.dat and 7.dat, ArcheoSurveyor as 13May01,13may0220 May Geoplot as congch 8.dat, congch 9.dat and congch 10.dat, ArcheoSurveyor as 20May 01,20May 02, 20 May 03 (Not used)3 June saved Geoplot as 11.dat and 12.dat and Snuffler as 11 and 12, ArcheoSurveyor as 3june01, 3 June 03 (NB. 02 abandoned grid)				



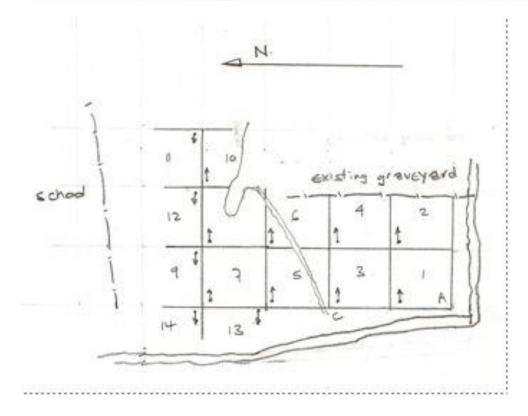
Congresbury graveyard. Site 1 RM 15 grids. *NB. Not to scale*

School

YCCCART Site Survey						
Project – Church and Scho	ol Environs					
Survey date	6 th May 2010	6 th May 2010				
Report date	6 th May 2010					
Type /Instrument	Grad 601					
	Pace :1.5m/s Start: ??	Grid size: 20m x20m				
	Lines/m : 1	Pattern : Zig Zag				
	Range:100nT	Samples/m:4				
	Volume: High	Audio: On				
	Sensors:2	Threshold:1nT				
		Reject:50 Hz				
Location	Station Road/Church Dr					
	A = ST 4346E 6372N N 51 ⁰ 22'11" W 2 ^o 48'49"	D = ST E 4346 N 66371 N51°22'11" W 2°48'49"				
Ref	none					
Site name	GlebeGraveyard					
Landowner	St Andrews' Church	St Andrews' Church				
Tenant						
HER ref						
Site type	Open field					
Description	Grass					
Period	Unknown	Unknown				
Geology	Limestone					
Land use	None					
Survey team		Peter Wright, Peter English, Susan Dugas, Richard				
	Baker, Mike Fox & Ian	Baker, Mike Fox & Ian Morton				

Survey area		no	readings			
		size	walk direction	max min me		
	1	20 x 20m	Е	+34.8	-26.5	+1.7
	2	Mirror & return	Е	+99.6	-100.0	+1.1
	3	20 x 20m	Е	+26.5	-18.8	+1.3
	4	Mirror & return	Е	+100.0	-93.2	-0.9
	5	20 x 20m	Е	+100.0	-56.1	+0.1
	6	Mirror & return	Е	+35.3	-100.0	-4.9
	7	20 x 20m	Е	+100.0	-47.8	-6.1
	8	Mirror & return	Е	+100.0	-64.3	-7.6
Grid ref #	9	Mirror & return Incomplete grid	W	+100.0	-100.0	-41.2
	10	Mirror & return	Mirror & return E Incomplete grid		-20.8	+21.8
	11	Mirror & return Incomplete grid	W	+100.0	-100.0	+7.4
	12	Mirror & return Incomplete grid	W	-100.0	+100.0	-33.4
	13	Mirror & return	W	+98.7	-58.4	-6.1
	14	Mirror & return Incomplete grid	W	+99.9	-70.5	-23.5
Summary		14 # grids completed Weather: light drizzle				
			Survey com	oleted		
Ian Morton 06/05/2010		Version 1				

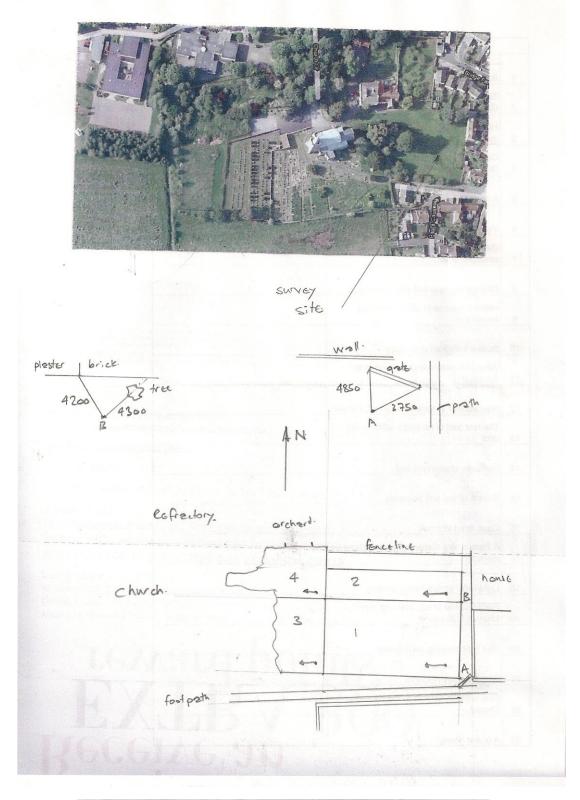




Grad 601 - Site 2

YCCCART Site Survey								
Project – Church and Sch								
Survey date		13 th May 2010						
Report date	13 th N	13 th May 2010						
Type /Instrument		Grad 601						
		Pace :1.5m/s Start: ??			Grid size: 30m x30m			
		Lines/m : 1			Pattern : Zig Zag			
	Ų	Range:100nT			oles/m:4			
		me: High			o: On			
	Sense	ors:2			shold:1nT	•		
					et:50 Hz			
Location	Stati	on Road/Chu	arch Driv					
	A = S	T 4379E 6372N 51º22'11" W 2	⁰ 48'32"	B =	see setting	out diagram	is page 3	
Ref	none							
Site name	Padd	ock by Refe	ectory					
Landowner	St Ai	ndrews' Chu	rch					
Tenant								
HER ref								
Site type	Oper	Open field						
Description	Gras	S						
Period	Unkr	nown						
Geology	Lime	Limestone						
Land use	None	e						
Survey team	Peter	Peter Wright, Susan Dugas, Mike Fox & Ian Morton						
Survey area		notes				readings		
		size	walk dire	ction	max	min	mean	
1 30 x 30m	W	+100.0	-100.0	-1.3				
2 Incomplete grid	W	+100.0	-100.0	-2.6				
3 Mirror & return	W	+100.0	-100.0	-12.3				
4 Incomplete grid	W	+100.0	-100.0	-8.8				
Mirror & return								
Summary		4 # grids completed						
	weat	Weather: warm and dry						
Ian Morton 13/05/2010	Versi	Survey completed Version 1						

Setting out details

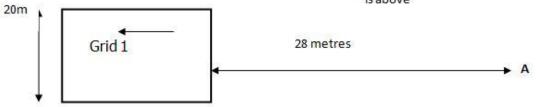


RM 15 Site 2

	YCCCART S	Site Survey					
Project – Congresbury Church Survey date	10 June 2010						
Report date	10 June 2010						
1	10 June 2010 RM15						
Type /Instrument		K	IVITS				
	Gain x1,		Grid size:	20m x20	m		
	Current 1mA		Pattern : Z		g		
	Frequency 137		Sample in				
	Probes 'Config	1' (2	Traverse I		m.		
	probes)		Mode Zig-	-Zag			
Weather	Dry, sunny . A = ST 4379E 6372						
OS Ref or Lat-Longitude	A = ST 4379E 6372N N 51022'11'' W 2o48'32						
Site name	Congresbury Pa	addock					
Landowner	Church	Church					
Tenant	none	none					
HER ref							
Site type	Paddock						
Description	Grass						
Period	? medieval						
Geology	unknown						
Land use	Used for events only						
Survey team	Pete Wright, Mike Fox, David Long, Philippa Cormack, Chris Short						
Survey area	notes readings			igs			
	size	walk direction	1				
Grid ref # 1	20 m	E to W					
Chris Short 10 June 2010			1		•		

RM15 CONGRESBURY CHURCH PADDOCK

NB. Start point A is the same as that used on the Grad 601 survey, the site plan for which is above



Appendix 2. Site photographs



YCCCART members giving schoolchildren from St Andrew's school, Congresbury hands on experience in identification Congresbury Romano–British pottery on the Glebe land field (Part of site 1).



Colin Campbell and Brian Bradbury, with the RM 15, in the current graveyard. (Part of site1)