

**YCCCART 2013 / Y 4
North Somerset HER 2013/70**

**Gradiometry Survey at Iwood
(Mr Collins Field 10)**

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

General Editor: Vince Russett



The 601 in action at Iwood.

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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 what appears to be two large enclosures, containing signs of domestic activity, beside a potential track way running north to south.

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

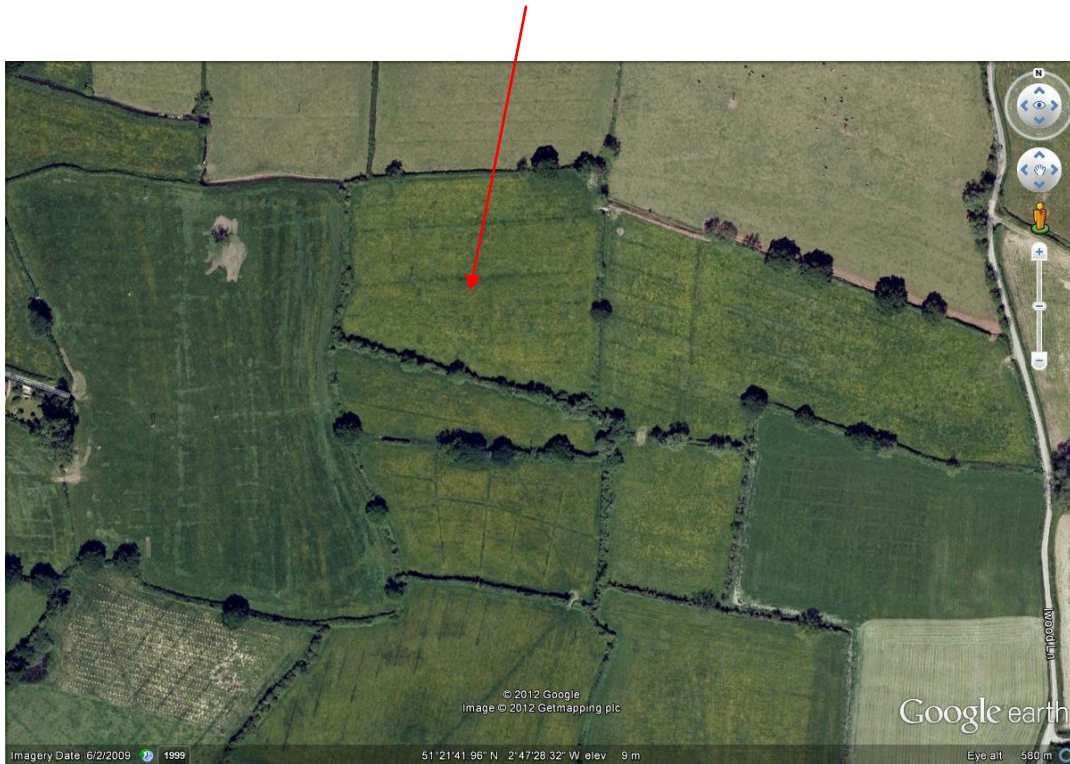


Fig 1: Site location indicated by red arrow.

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

Please see YCCART report 2010/ Y16 and 2010/Y32 on this site for the history and archaeology of Iwood.

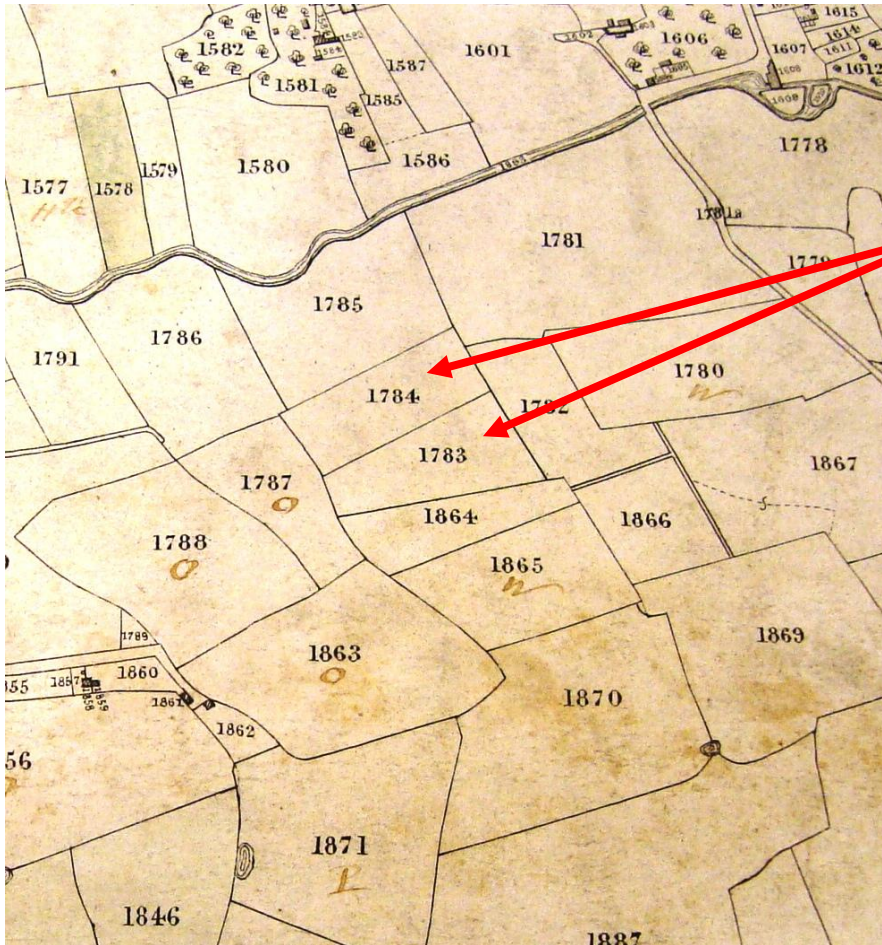


Fig 2 : 1839 Map. Courtesy of Bristol Record Office BRO 37959/9. The surveyed field is number 1783 and 1784 on the map.

The Tithe apportionment record, relating to the 1839 map above, shows the current field being an amalgamation of :

1783 – Pasture called Riding Mead owned and occupied by Elizabeth Willett.

1784 – Pasture called Riding Mead owned by Henry Cottrell and occupied by Edmund Osmond.



Fig 3 (see arrow) shown on the 1739 De Wilstar map. (Courtesy of Bristol Record Office Reference 33041/BMC/4/PL1/2).

Fig 3 above shows Riding Mead 1739 map (See red arrow). The 1739 map is upside down and so south is as the top. The current field is within the red lines shown in Fig 4 below.

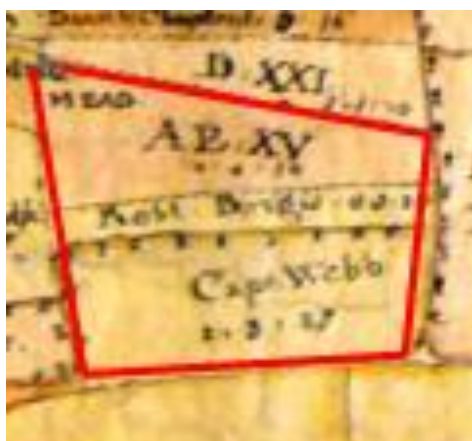
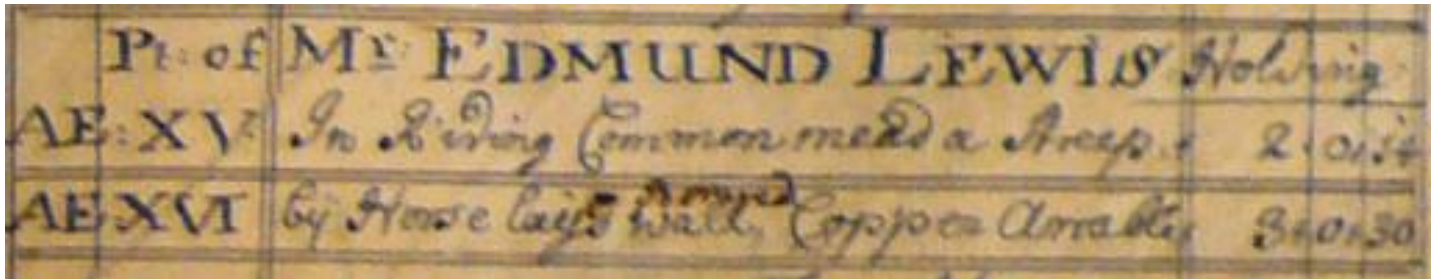


Fig 4. Extract from 1739 map.

Fig 4 shows that Robert Bridges and Captain Webb holding the lower two sections.

Edmund Lewis held the final section, AE XV on the map, and the index to the map shows his land as *In Riding Common mead a Streep* (See Fig 5 below)



This image shows a handwritten index from a 1739 map. It is organized into a table with three columns: a section identifier, a description of the land, and a numerical value. The text is written in a cursive script on aged, slightly discolored paper.

Pt. of	MR EDMUND LEWIS	Holding
AE: XV	In Riding Common mead a Streep	2.01.14
AE XVI	by Horse laige Wall, Copper Amable	3.01.30

Fig 5: Extract from Index to 1739 map

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 May to June 2013 by teams 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

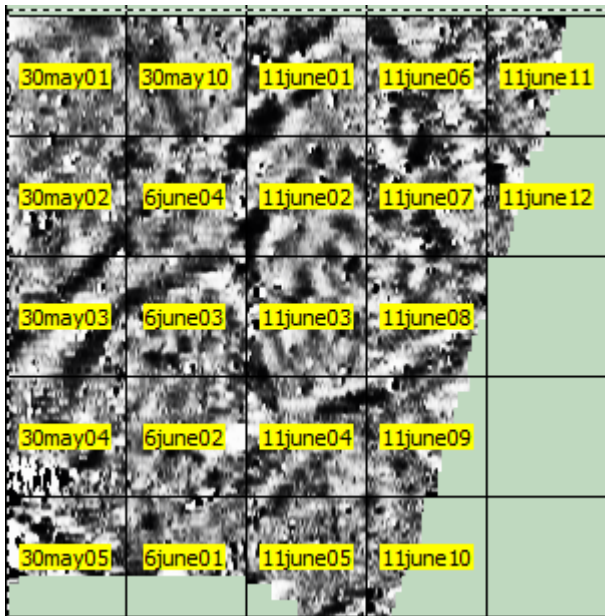
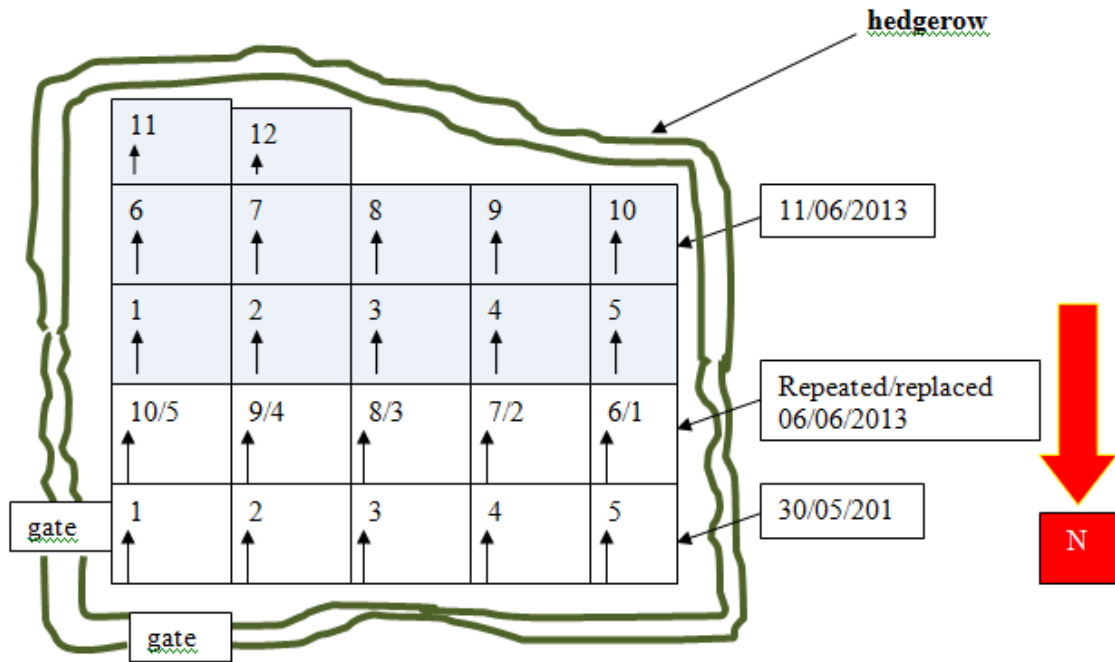


Fig 4: Grid lay out (top) and TerraSurveyor grids (below)

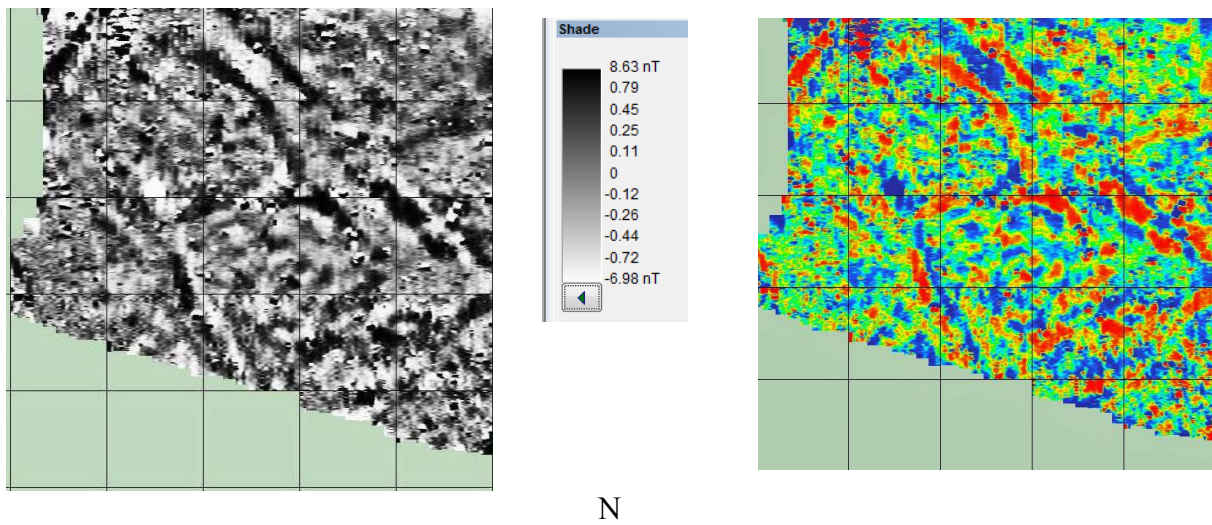


Fig 5: Terra Surveyor shade view image. Black & white image (left) and colour image (right) above. High readings are black (left) and red (right),

The results in Fig 5 above clearly show what appear to be two large enclosures indicated by the near circular black lines. The red, high, anomalies within the enclosures point to possible domestic activity. The enclosures are adjacent to a potential ditched track way running north to south.

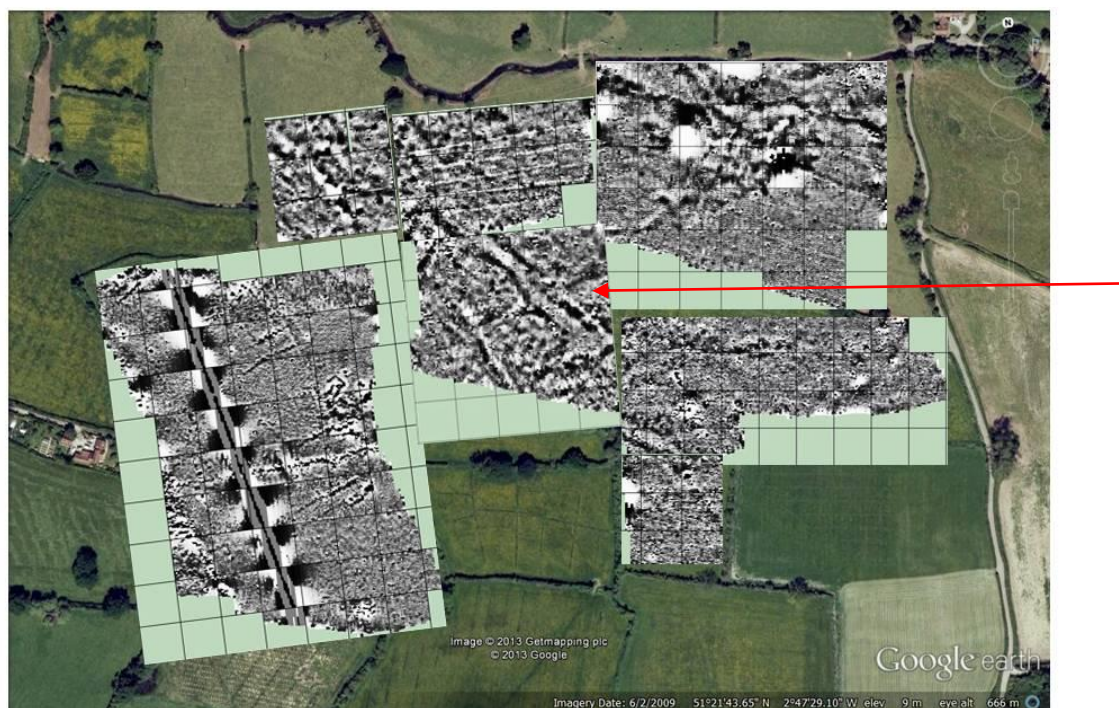


Fig 6: Gradiometry results from Collins 10 and adjacent fields

Fig 6 above shows the results from Collins 10 (indicated by the red arrow) and results from adjacent fields. It can be seen that the possible track way extends in the north of the field towards the river and also south (although this section is not as clearly defined).

Recommendations

A resistivity survey should be undertaken over the area of the potential enclosures to establish if any buildings exist on this site.

References

- | | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bedingfield, G. 1996 | <i>Iwood, How long has it existed as a discrete settlement unit and how did this affect its economy</i> , MA Dissertation. Bristol University 1996). |
| Congresbury Tithe Map | <i>BRO 37959/9</i> (Bristol Record Office) |
| 1739 De Vilstar map. | <i>BRO 33041/BMC/4/PL1/2</i> . (Bristol Record Office) |

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Date: July 2013

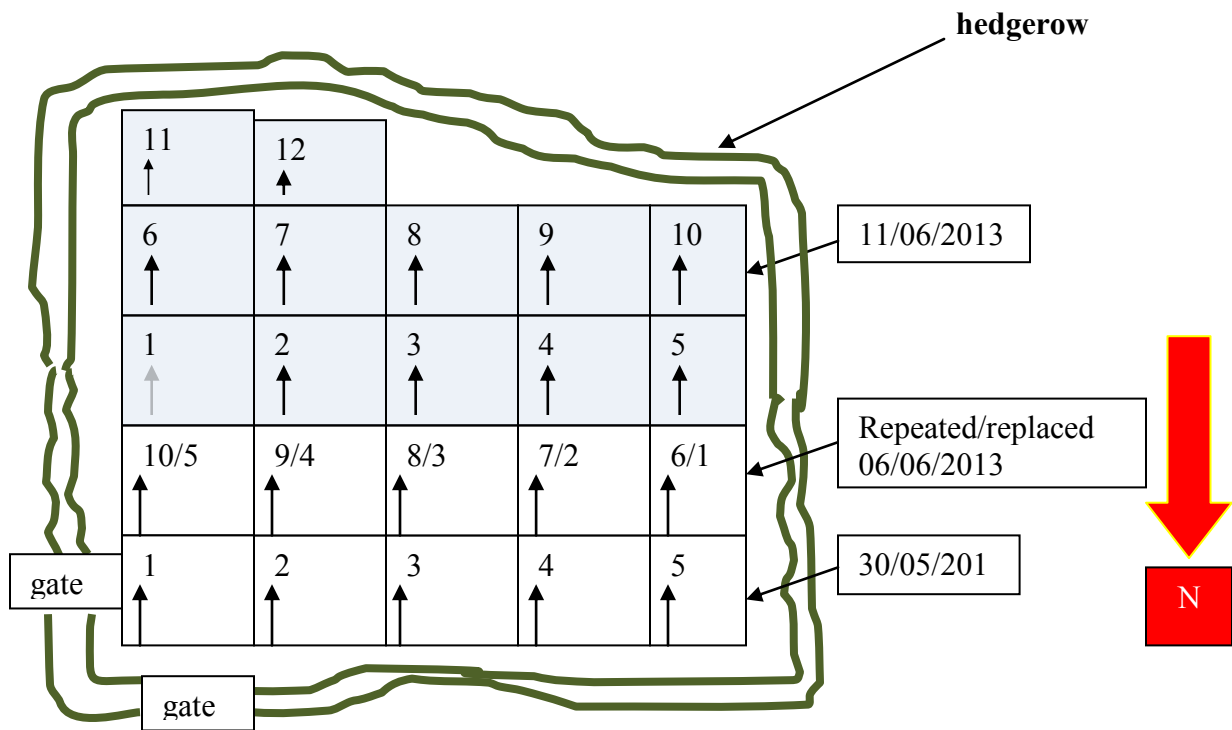
Appendix

Site Record

YCCCART Site Survey Project – Congresbury kilns		
Survey date	11 th June 2013	
Report date	11 th June 2013	
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	Land alongside Iwood Lane	
	See annex 1	
Ref	none	
Site name	Collins 10	
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		
30/05/2013	Team	Peter English, peter Wright, Janet Dickson, Ferdi, Ian Morton
	weather	Warm, sunny intervals
06/06/2013	Team	Peter Wright, Janet Dickson, Ferdi, Ian Morton
	weather	Warm and dry
11/06/2013	Team	Peter Wright, Peter English, Ian Morton
	weather	Overcast after earlier showers

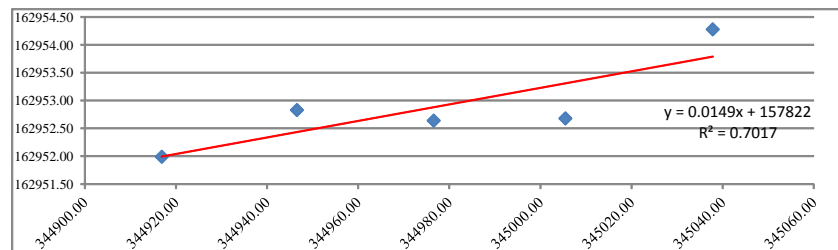
Survey area			notes		readings		
			size	walk direction	max	min	mean
30/05/2013	Grid number	1	30 m x 30m	S	+4.5	-8.8	-1.2
		2	30 m x 30m	S	+53.8	-75.4	-1.9
		3	30 m x 30m	S	+34.0	-15.4	-2.3
		4	30 m x 30m	S	+97.7	-30.4	-1.7
		5	30 m x 30m grid terminated	S	+84.2	-29.9	-2.3
		6	30 m x 30m grid terminated	S	+26.3	-10.4	+5.6
		7	30 m x 30m	S	+56.5	-20.0	+8.9
		8	30 m x 30m	S	+34.5	-18.7	+8.9
		9	30 m x 30m	S	+24.4	-16.2	+9.7
		10	30 m x 30m	S	+10.3	-15.4	-0.2
06/06/2013	Repeat of grids 6 thro' 10 of 30/05/2013	1	30 m x 30m grid terminated	S	+8.4	-8.9	-0.4
		2	30 m x 30m	S	+7.1	-15.3	-0.9
		3	30 m x 30m	S	+13.9	-10.7	-1.0
		4	30 m x 30m	S	+17.7	-19.0	-1.2
		5	30 m x 30m	S	+17.4	-49.4	-0.7
11/06/2013	Grid number	1	30 m x 30m	S	+100.0	-100.0	+1.0
		2	30 m x 30m	S	+21.1	-9.6	-0.4
		3	30 m x 30m	S	+33.3	-9.6	-0.4
		4	30 m x 30m	S	+8.8	-6.4	-0.6
		5	30 m x 30m Mirror and return	S	+53.2	-14.0	-0.7
		6	30 m x 30m	S	=12.5	-8.3	-1.0
		7	30 m x 30m	S	+17.2	-16.5	-2.3
		8	30 m x 30m Mirror and return	S	+7.1	-22.6	-2.5
		9	30 m x 30m Mirror and return	S	-0.2	-5.7	-2.3
		10	30 m x 30m Mirror and return	S	+26.2	-13.2	-2.3
		11	30 m x 30m Mirror and return	S	+39.6	-36.1	-1.6
		12	30 m x 30m Mirror and return	S	+1.5	-4.0	-1.5

Note reverse of map



Base line

	Grid Ref. All ST	
	eastings	northings
A	345037.81	162954.28
B	345005.48	162952.68
C	344976.57	162952.64
D	344946.56	162952.83
E	344916.90	162951.99



quiet spot 345029 162946.2