



## **Cobbs Farm Brook Close Report**

In May 2011 Archaeology RheeSearch Group carried out magnetometry and resistivity surveys on this site.

**Members participating:** Pat Davies, Brian Bridgland, Bruce Milner, Liz Livingstone, Ian Sanderson, Gill Shapland, Maureen Storey and Tony Storey.

**Site Liaison:** Simon Damant

**Site conditions:** Rough paddock sloping down to the south.

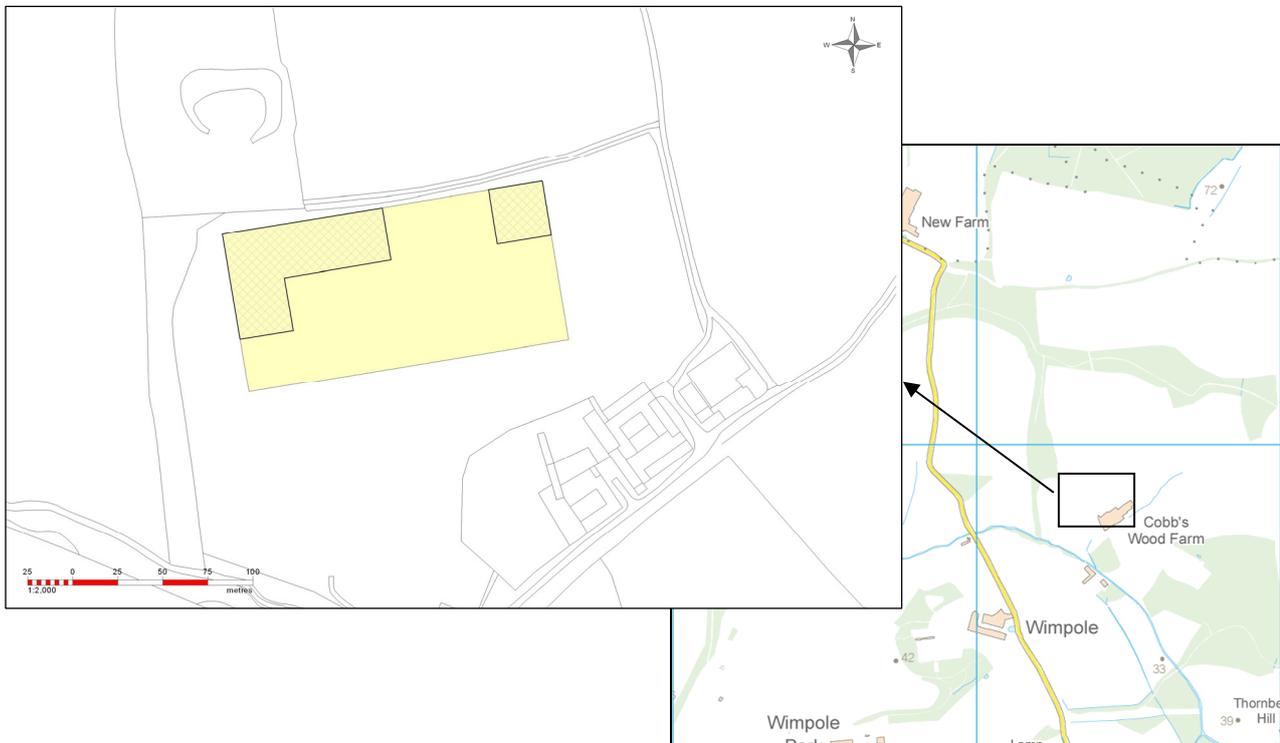
**Equipment:** Bartington 601 gradiometer; TRCIA 50 cm twin probe.

Magnetometry readings: 8/m, 1 m separation.

Resistivity readings: 1 m interval, 1 m separation.

Raw data are available as separate appendices.

**Location:** TL 343 518, Cobbs Farm, Wimpole, Cambs.



### **Location plan: Survey areas**

(resistivity survey areas hatched, magnetometry areas solid)

**Purpose of survey:** The purpose of this survey was to determine if any subsurface features could be detected.

### **Site topography:**

The site comprised rough paddock sloping down from the northern boundary to the farm.

**Results:**

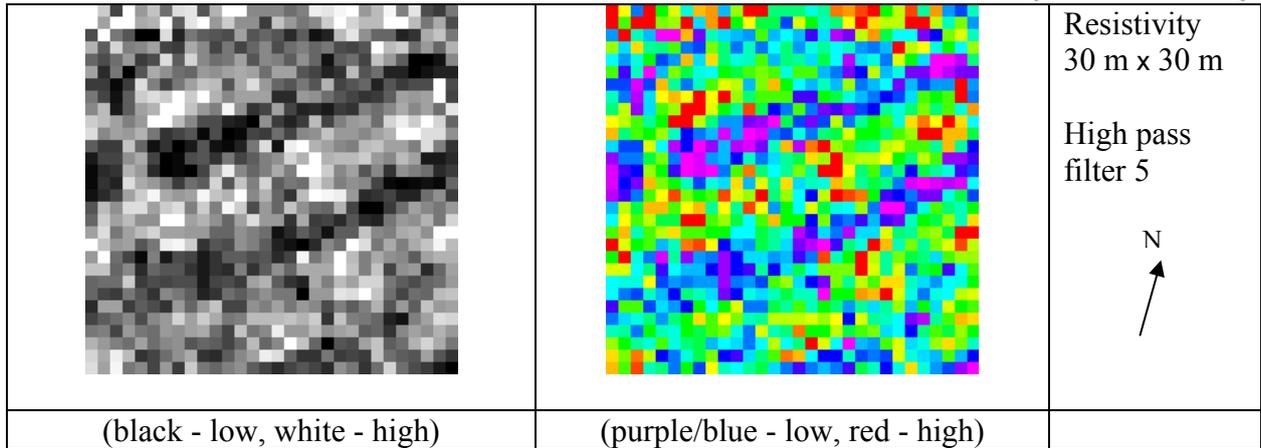
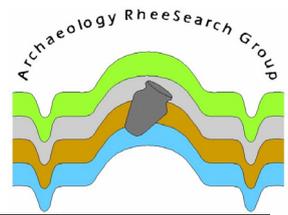
*The images in this section are orientated for presentation. The images are not to a common scale.*

Resistivity  
Western survey

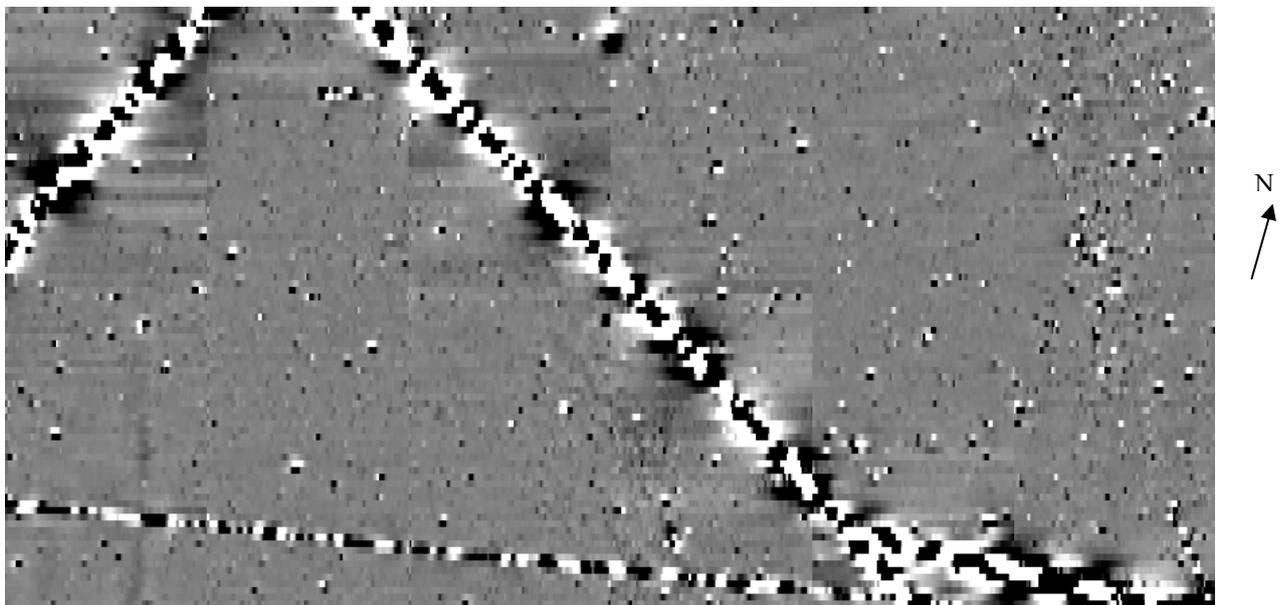
		<p>Resistivity 90 m x 60 m</p> <p>Raw data</p> <p style="text-align: center;">N ↑</p>
		<p>Resistivity 90 m x 60 m</p> <p>High pass filter 5</p> <p style="text-align: center;">N ↑</p>
<p>(black - low, white - high)</p>	<p>(purple/blue - low, red - high)</p>	

Eastern survey

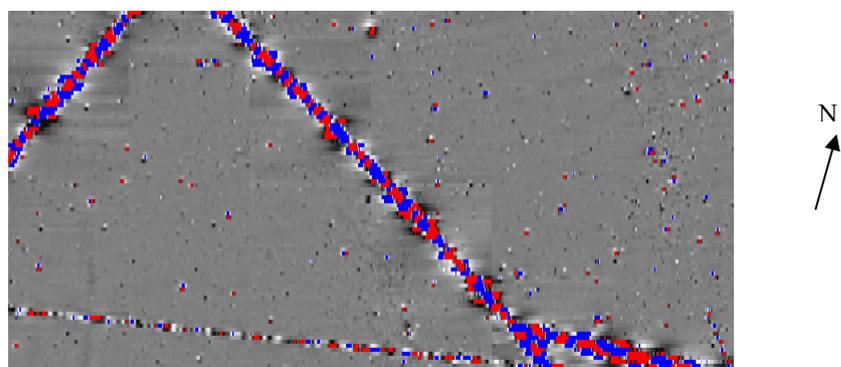
		<p>Resistivity 30 m x 30 m</p> <p>Raw data</p> <p style="text-align: center;">N ↑</p>
--	--	---



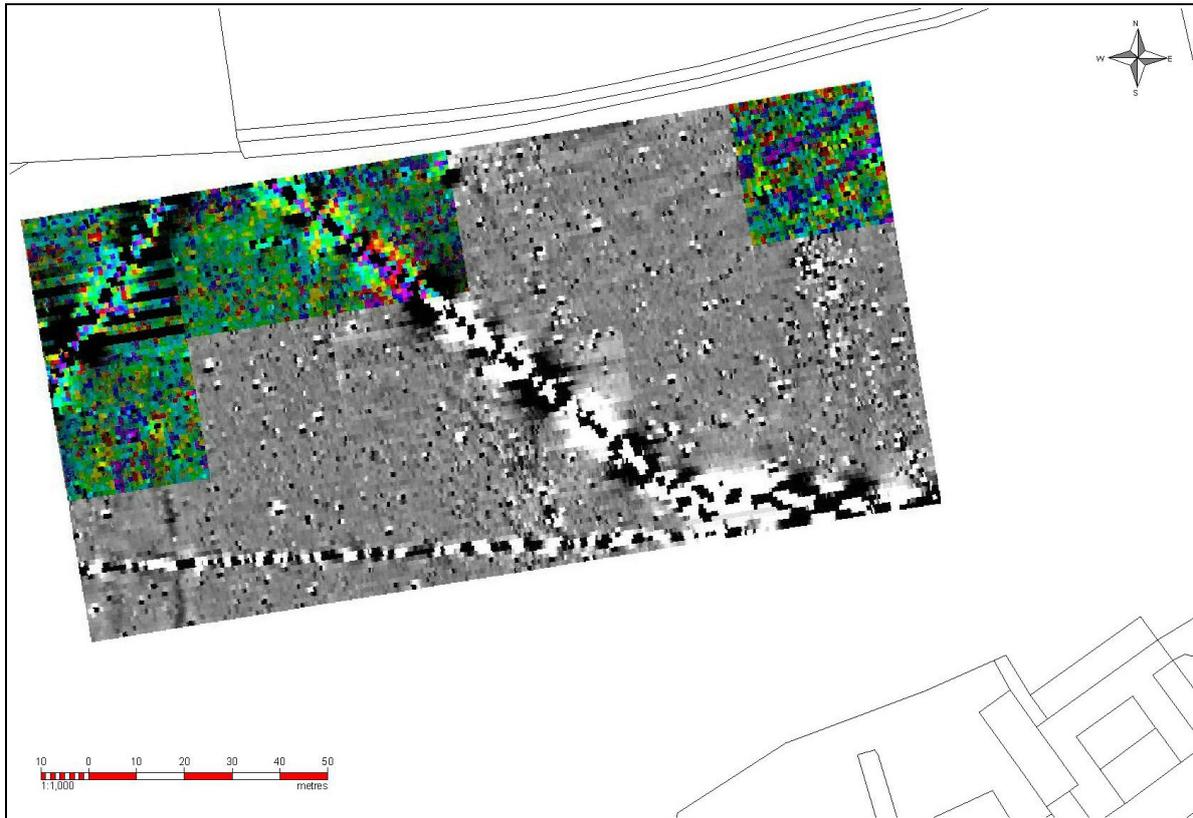
Magnetometry



Magnetometry 90 m x 180 m range +9 to -9 nT



Magnetometry 90 m x 180 m range +40 to -40 nT



Superimposition of resistivity and magnetometry results

**Discussion:**

The magnetometry results principally show the lines of service conduits, probably water running from the N to the S, and possibly electricity or a more recent water supply running E to W. The W resistivity results show two of these as low value lines with some disruption towards the S edge of the E line. Running N-S on the W side of the magnetometry there is evidence of a ditch line. The NE corner of the magnetometry has a series of lines which show more distinctly in the E resistivity data. These are characteristic of ridge and furrow ploughing remnants.