



Foxton Baldwyns Close Report

In August 2012 Archaeology RheeSearch Group carried out magnetometry and resistivity surveys on this site.

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

Land owner: Richard Barnes

Site conditions: Mainly level stubble field with a marked fall near to the stream to the west.

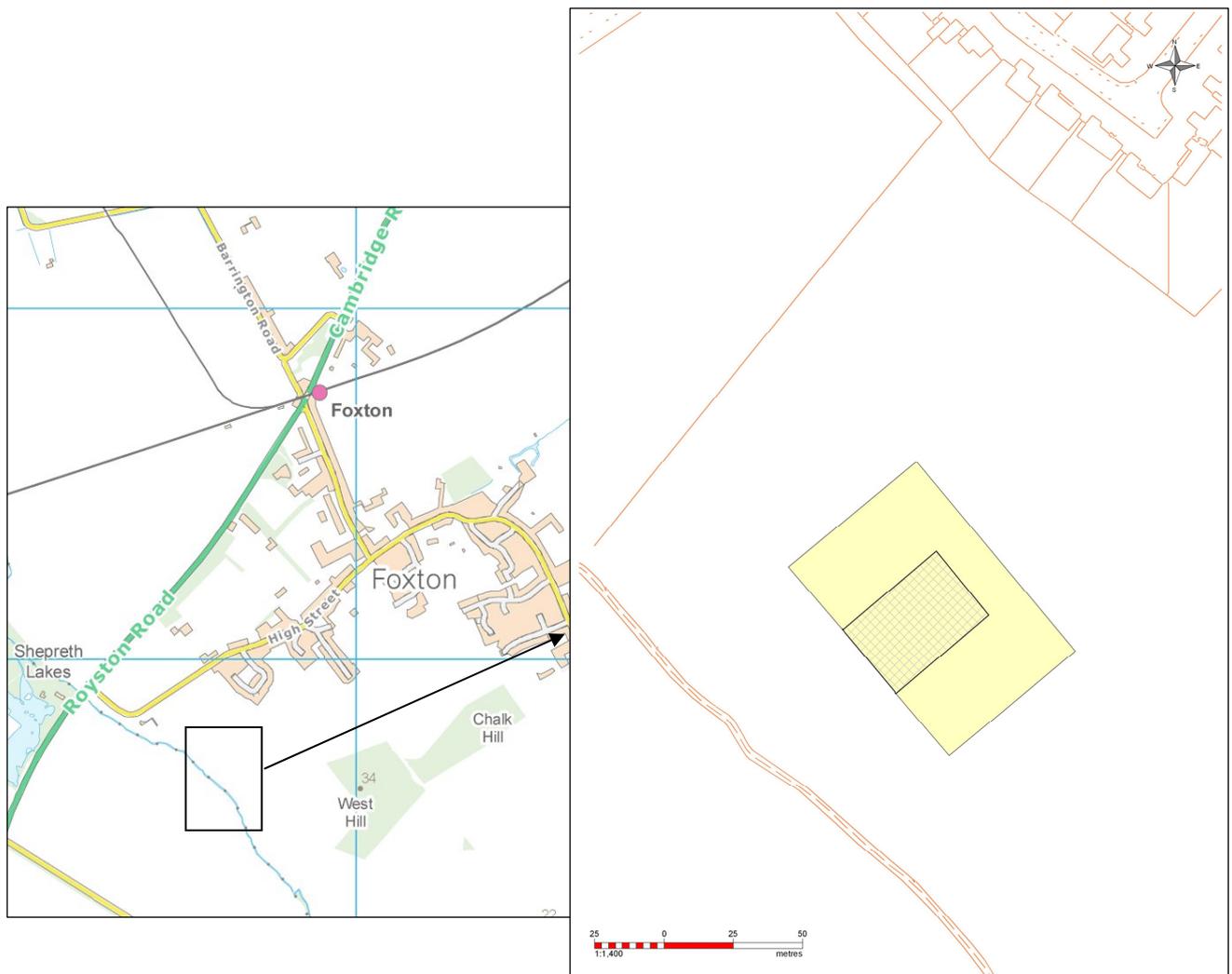
Equipment: Bartington 601 gradiometer; TRCIA 50 cm twin probe.

Magnetometry readings: 8/m, 1 m separation.

Resistivity readings: 1 m interval, 1 m separation.

Raw data are available as separate appendices.

Location: TL 406 477, Foxton, 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 to elucidate a potential cropmark.



Site topography:

The site comprised an arable field south and south west of West Hill Road, Foxton. The field was level in most of the survey area rising to West Hill further to the south but falling close to a stream on the west.

Results:

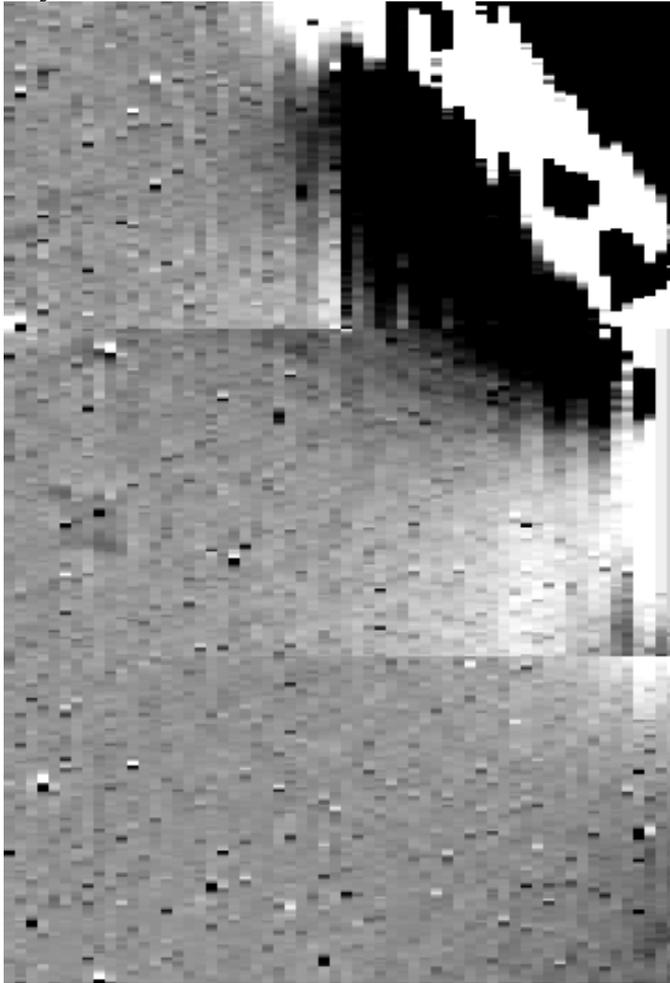
The images in this section are orientated for presentation. The images are not to a common scale.

Resistivity

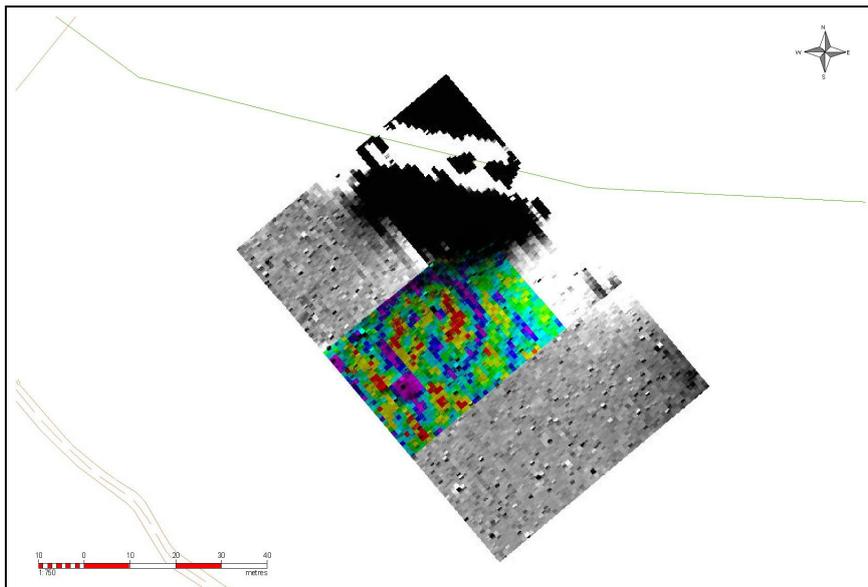
		<p>Resistivity 30 m x 44 m</p> <p>Raw data</p> <p>N ↗</p>
		<p>Resistivity 30 m x 44 m</p> <p>High pass filter 8</p> <p>N ↗</p>
<p>(black - low, white - high)</p>	<p>(purple/blue - low, red - high)</p>	



Magnetometry



Magnetometry 90 m x 60 m range +11 to -9 nT

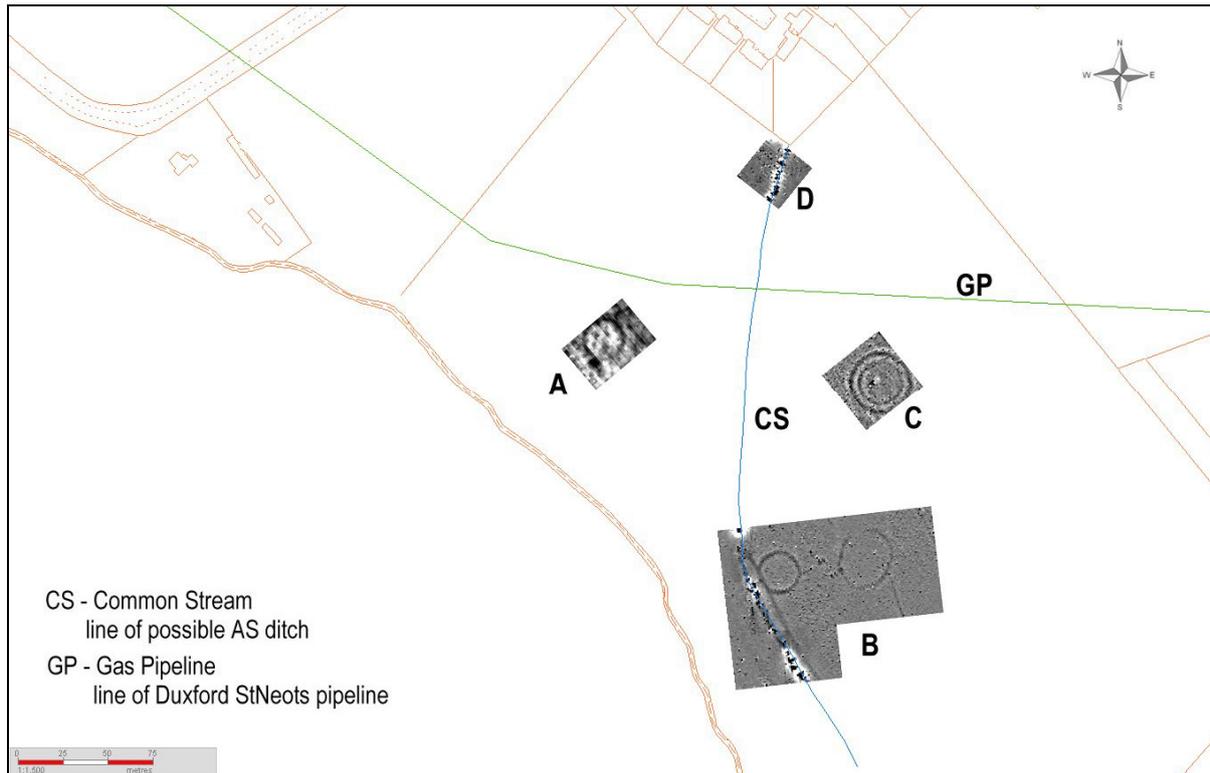


Superimposition of resistivity and magnetometry results showing the line of a major gas pipeline

Discussion:

The magnetometry results principally show the course of the Duxford – St. Neots gas pipeline. Traces of a 21 m diameter ring ditch are barely discernible in the magnetometry results but are clearly visible in the resistivity survey. The ring is incomplete with a break on the S side next to a 5 m square of low values. The square feature is also apparent in the magnetometry results. Three distinct areas of low resistivity values are located within the ring.

It is worth noting that there are two other ring features both about 155 m away from that reported here, and an ovoid feature about 190 m away.



Plan showing adjacent features

- Key: A – Resistivity results in this report.
 B – Magnetometry results from HER ref. SCB20650.
 C – Magnetometry results from HER ref. SCB20425.
 D – Magnetometry results confirming ditch line (pers. comm.).