

Duxford Report

On 11th October 2015 Archaeology RheeSearch Group carried out magnetometry and resistivity surveys on this site.

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

Site liaison: Dee Price.

Site conditions: Stubble.

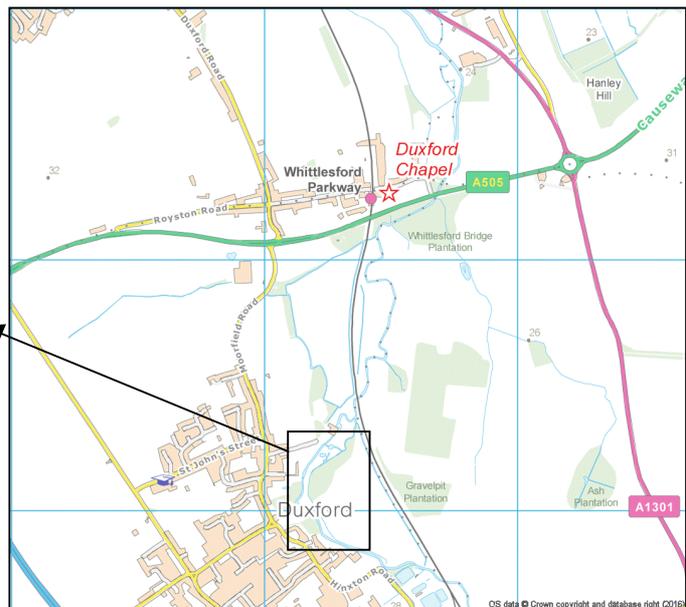
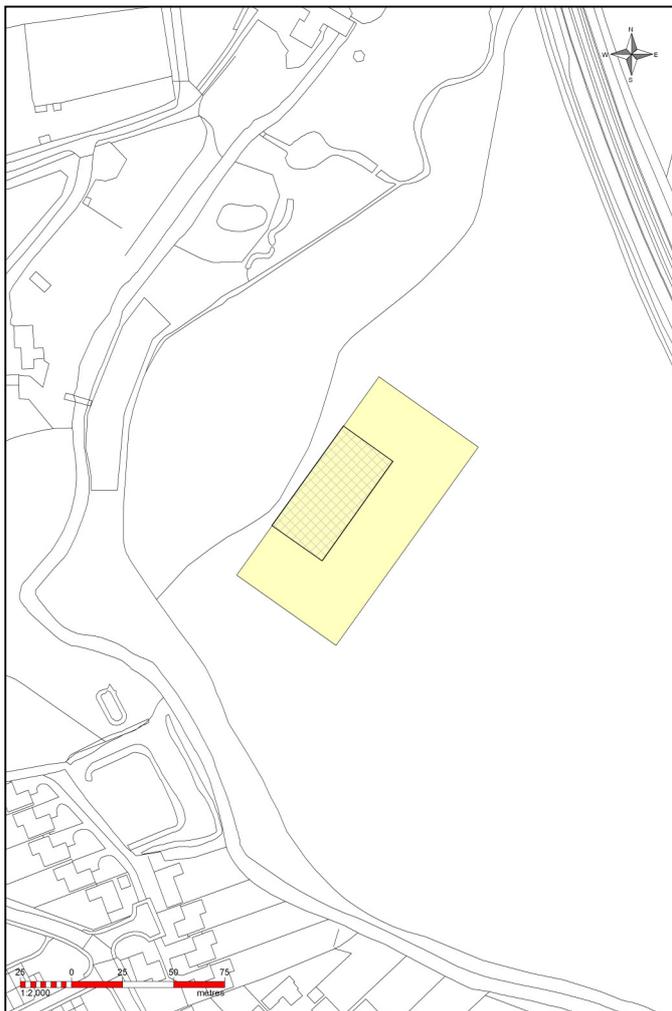
Equipment: Bartington 601 gradiometer; TRCIA 50 cm twin probe.

Magnetometry readings: 8/m, 1 m separation.

Resistivity readings: 1 m interval, 1 m separation.

Raw data are available as separate appendices.

Location: TL482 461, Duxford, Cambs.



Location plan: Survey areas

(resistivity survey area hatched, magnetometry area solid)

Purpose of survey: The purpose of this survey was to determine if any subsurface features could be detected to support indications of a possible Iron Age site.

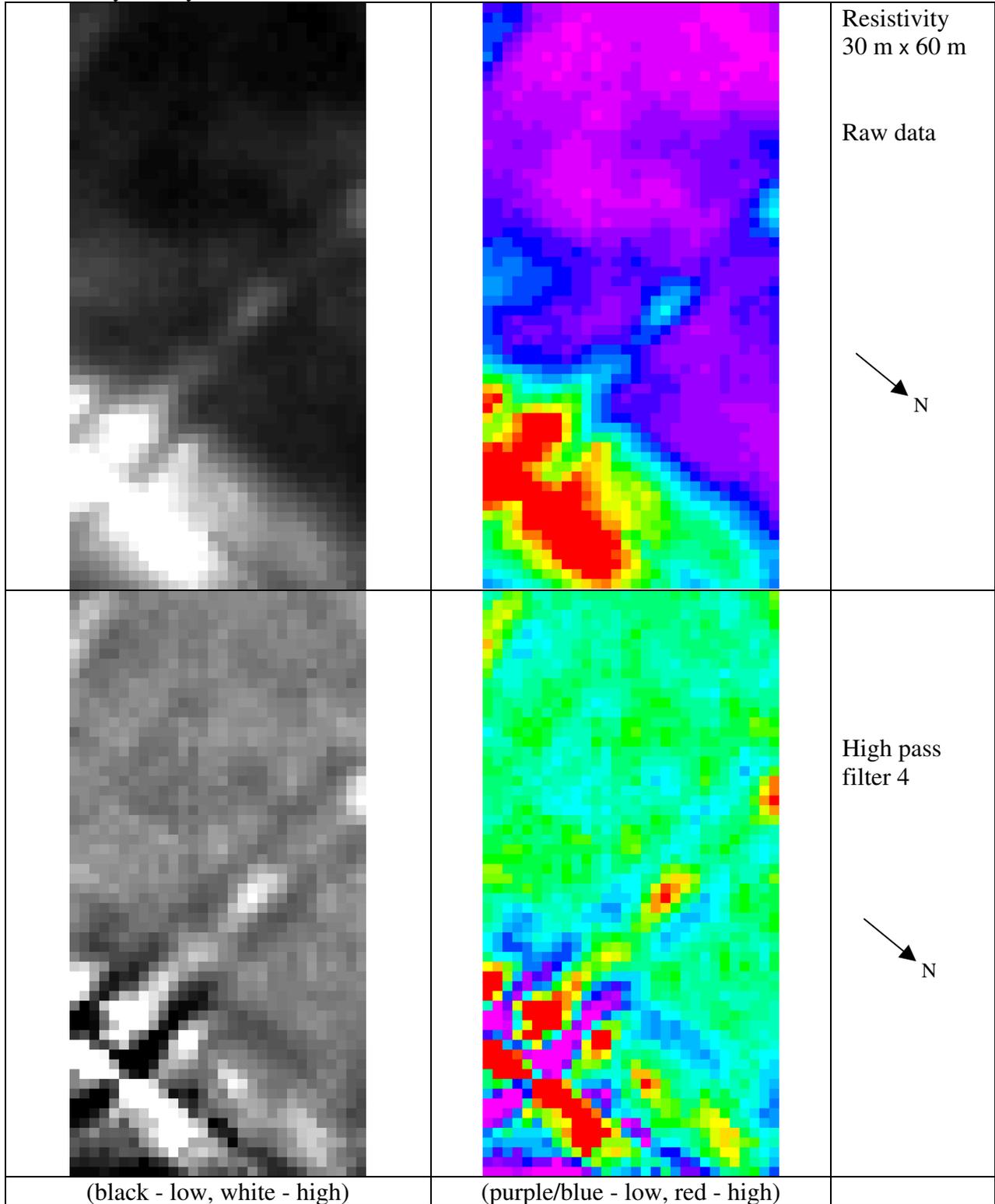
Site topography:

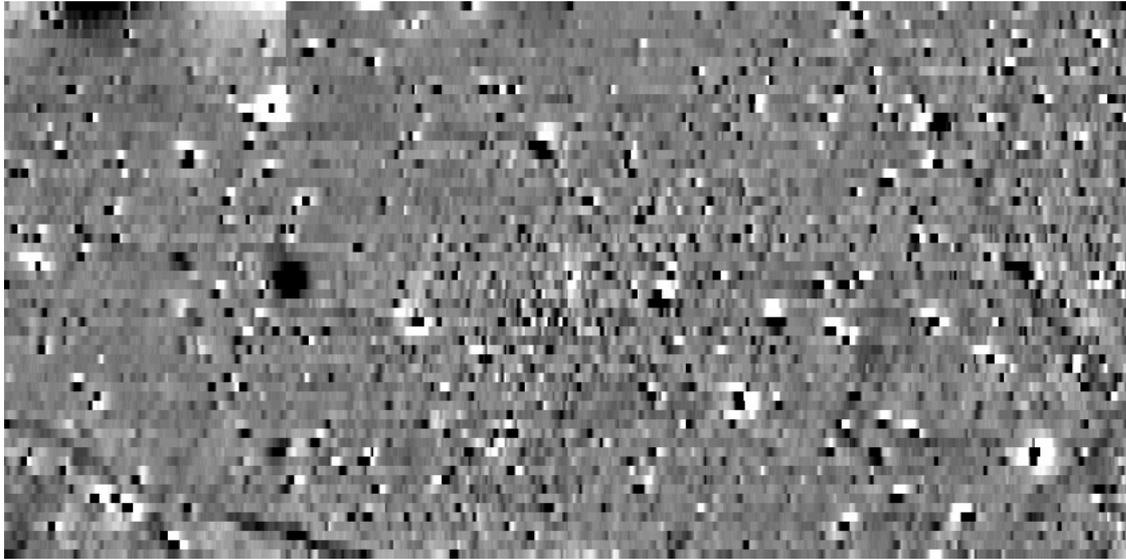
A level field of stubble with a rail line to the east, the river Cam to the west and woodland to the north and north west.

Results:

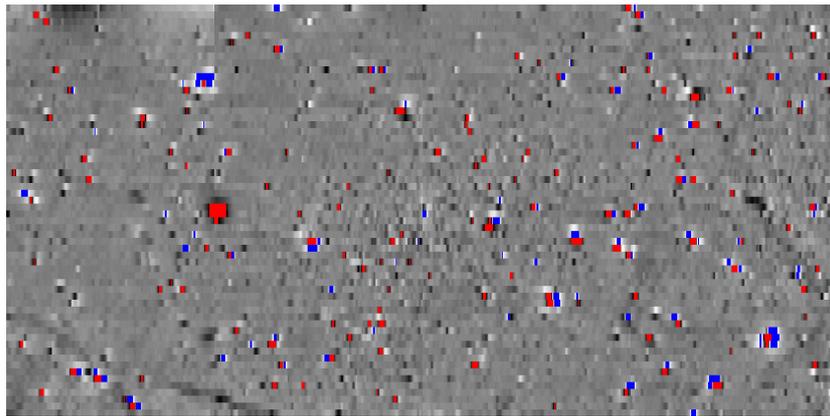
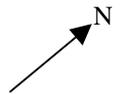
The images in this section are orientated for presentation. The images are not to a common scale.

Resistivity survey

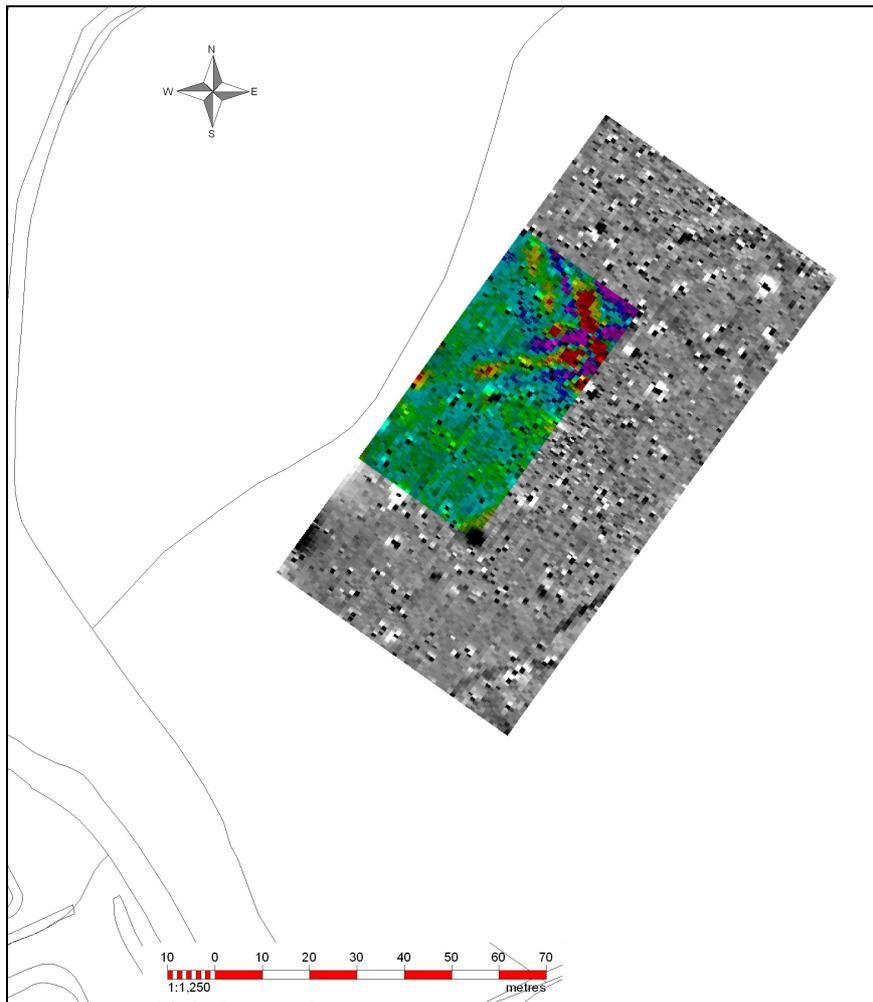




Magnetometry 120 m x 60 m range +2 to -2 nT



Magnetometry 120 m x 60 m range +15 to -15 nT showing the highest responses in red and the lowest responses in blue



Superimposition of resistivity and magnetometry results

Discussion:

The magnetometry results show a linear feature across the S corner of the survey area which corresponds to a boundary shown on the Inclosure plan of the area. There is a faint linear feature running E—W across the N corner with indications at the E end of an arm running S. In this corner there is possibly a circular feature about 18 m diameter. It should be noted that the likelihood that this site has been a flood plain may have contributed to the relatively weak magnetic responses recorded.

The resistivity survey shows a high linear response running almost E—W across the survey area but on a different alignment to the E—W line in the magnetometry survey. This line is bracketed by low responses on either side suggesting a metallised track about 5 m wide with ditches. Extended to the E this line either passes immediately to the S of or enters the circle noted in the magnetic survey. Towards the E end of the E—W feature the responses become stronger and it appears to be crossed at right angles by two high resistance linear features. The W one of these appears to be bracketed by low responses with a width of 6-7 m.