

**Geophysical Survey
MOD Bicester
Graven Hill**

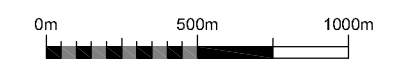
Map of survey area



● Survey location

Site centred on OS NGR
SP 589 205

SCALE 1:25 000



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Survey location



Geophysical Survey MOD Bicester Graven Hill

Referencing information

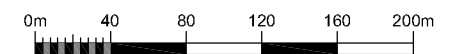
Grid coordinates based on Ordnance Survey OSGB36 datum
Grids set out using RTK GPS with Topcon TopNet correction data RTCMv2 format OSTN02 transformation

Survey grid size = 30m

→ Survey start and traverse direction

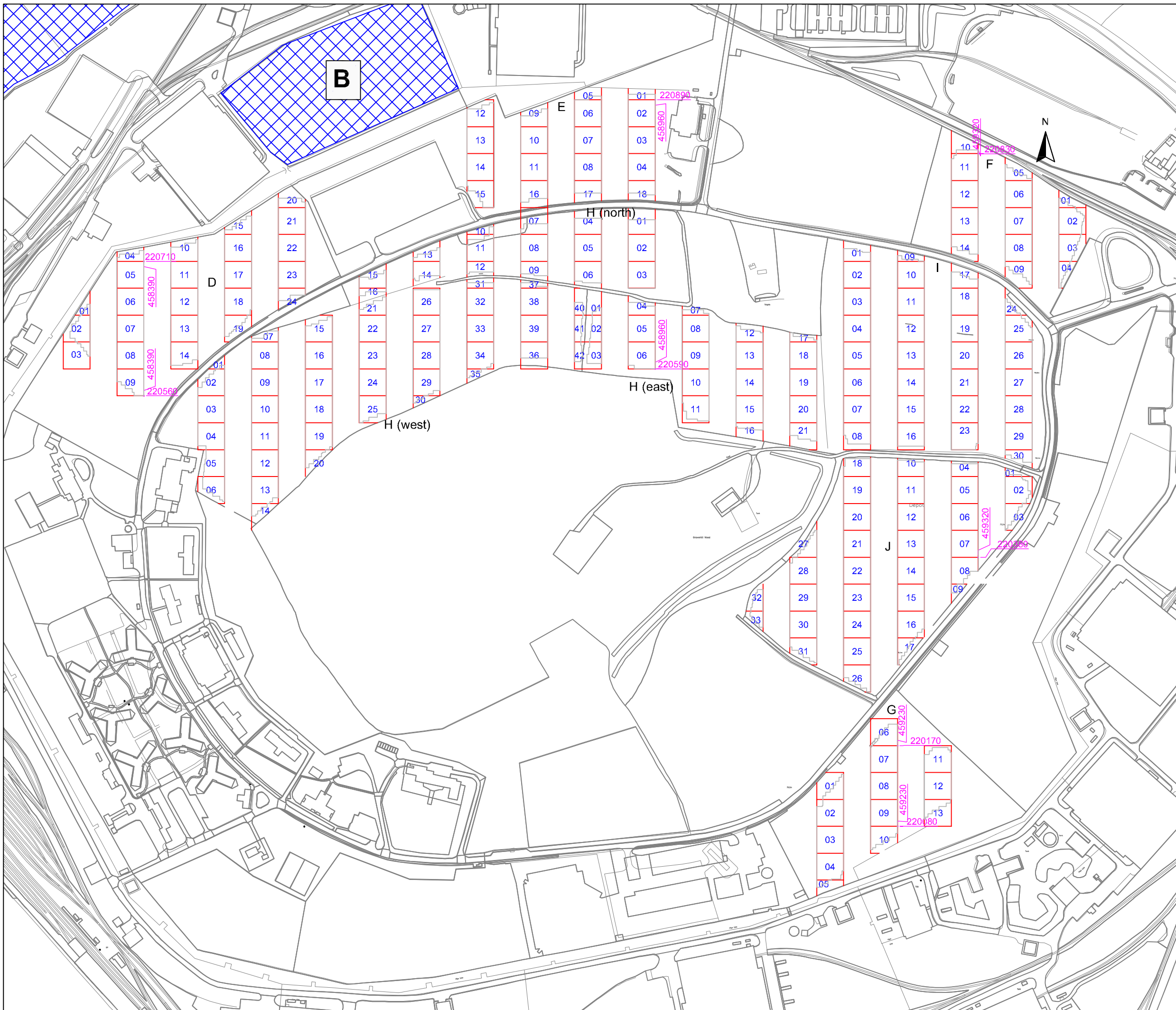
1 Grid reference number and filename

SCALE 1:4000



SCALE TRUE AT A3

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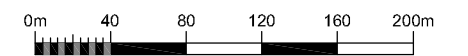


**Geophysical Survey
MOD Bicester
Graven Hill**

**Greyscale plot of processed
magnetometer data**



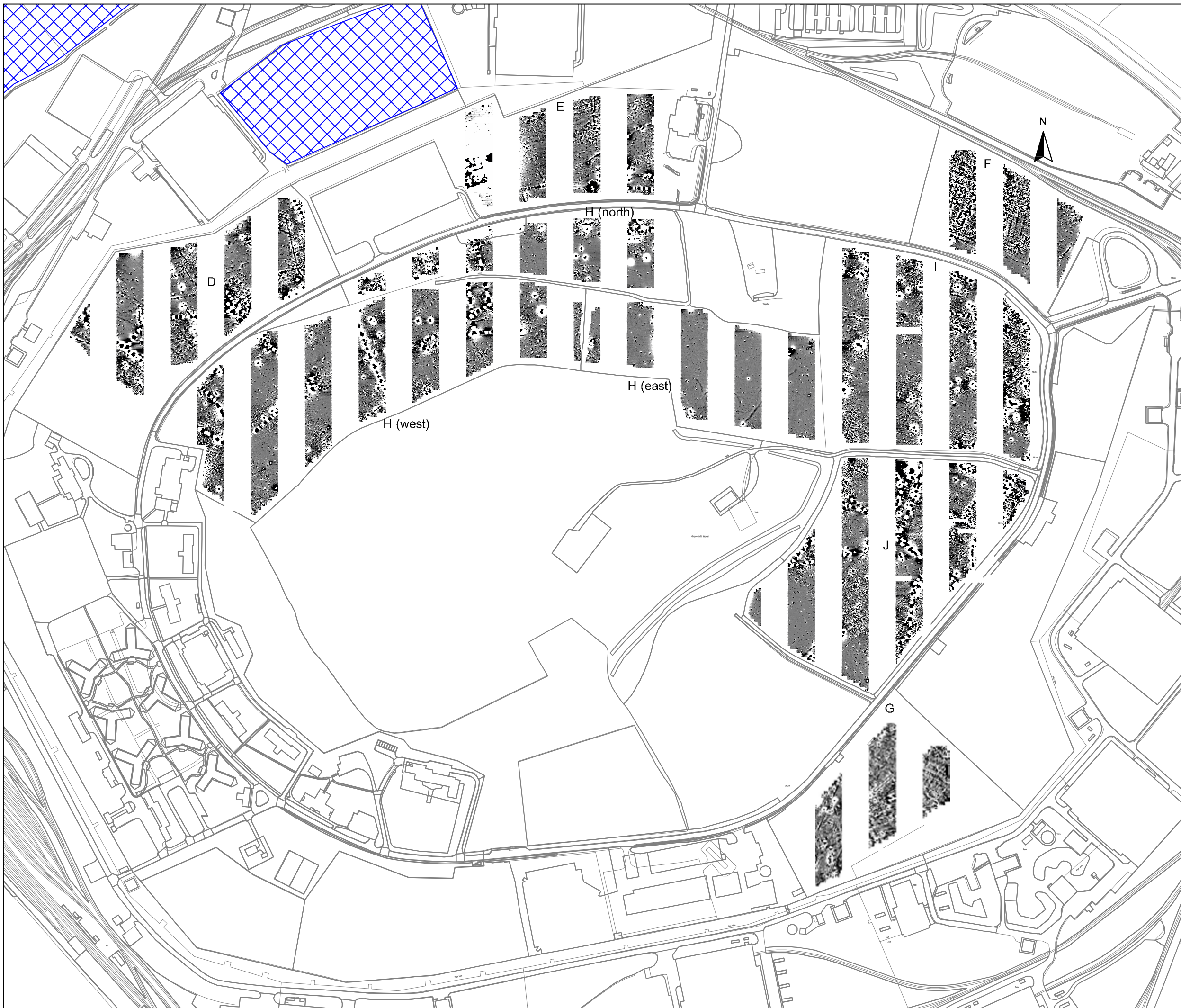
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FIG 03

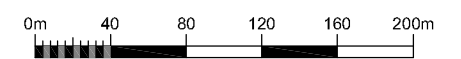


**Geophysical Survey
MOD Bicester
Graven Hill**

**Abstraction and interpretation of
magnetometer anomalies**

-  Positive linear anomaly - possible ditch-like feature
-  Linear anomaly - ridge and furrow
-  Positive linear anomaly - possible former field boundary
-  Negative linear anomaly - material of low magnetic susceptibility
-  Discrete positive response - possible pit-like feature
-  Magnetic debris - spread of magnetically thermoremanent/ferrous material
-  Magnetic disturbance from ferrous material
-  Strong multiple dipolar linear anomaly - pipeline / cable / service
-  Strong dipolar anomaly - ferrous object

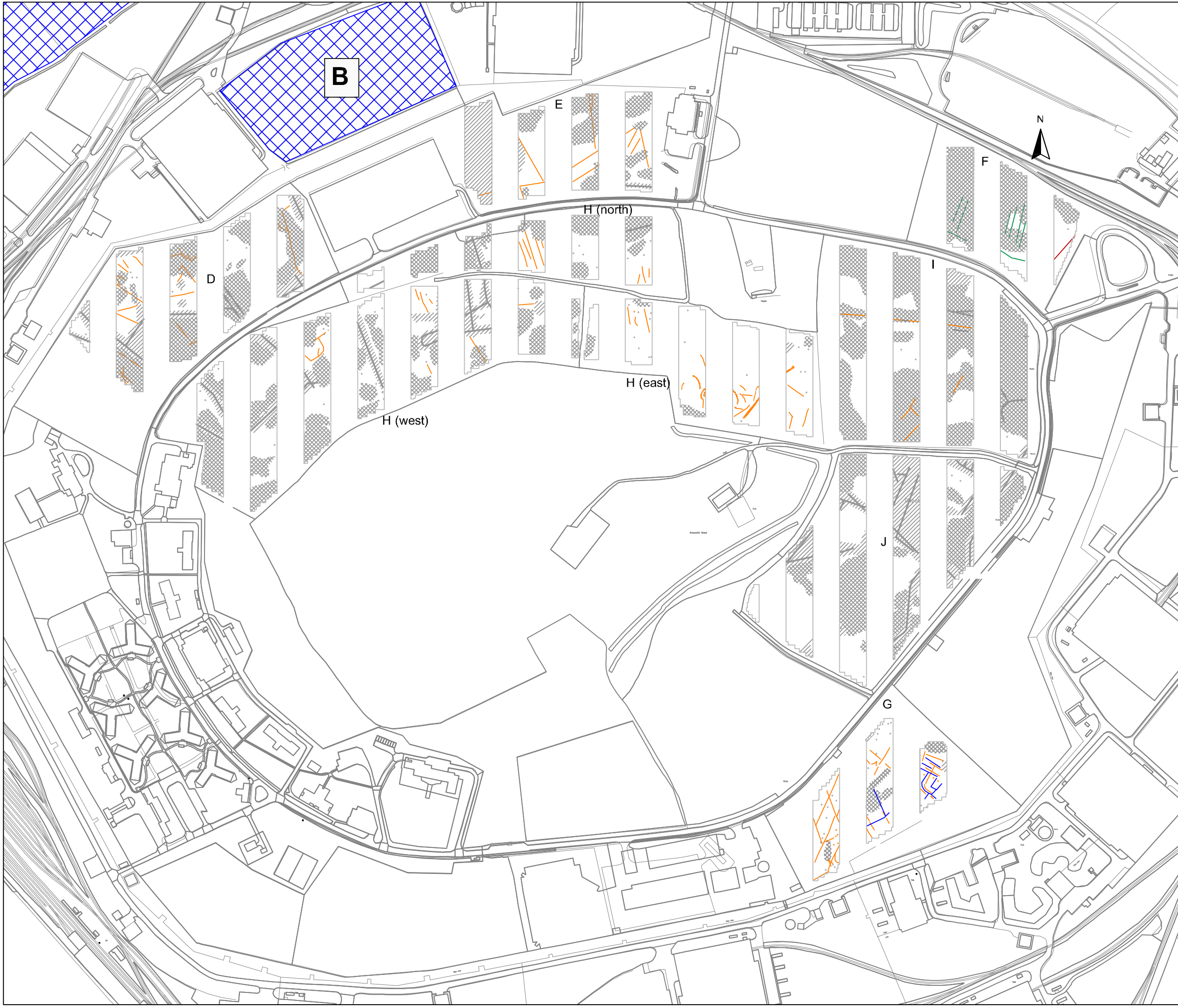
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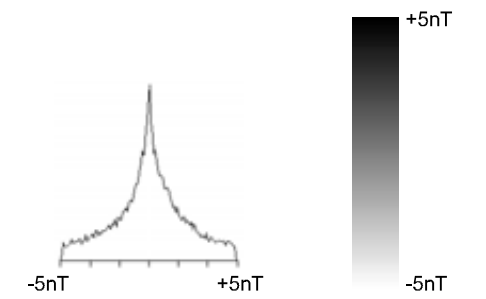
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FIG 04



**Geophysical Survey
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Graven Hill**

**Greyscale plot of processed
magnetometer data - Area D**



D

SCALE 1:1000








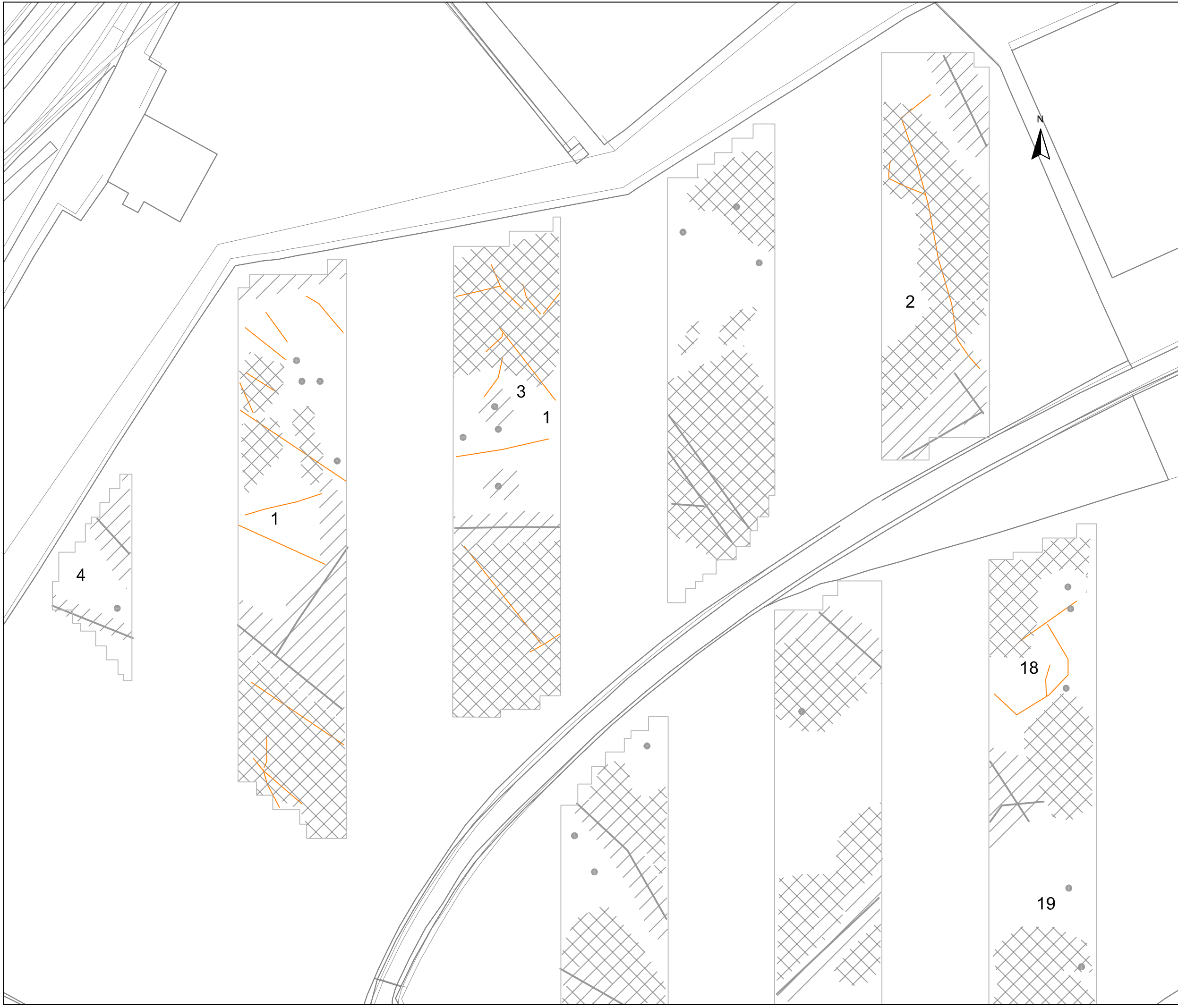
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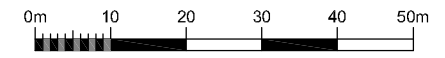
**Geophysical Survey
MOD Bicester
Graven Hill**

**Abstraction and interpretation of
magnetometer anomalies -
Area D**

-  Positive linear anomaly - possible ditch-like feature
-  Magnetic debris - spread of magnetically thermoremanent/ferrous material
-  Magnetic disturbance from ferrous material
-  Strong multiple dipolar linear anomaly - pipeline / cable / service
-  Strong dipolar anomaly - ferrous object



SCALE 1:1000



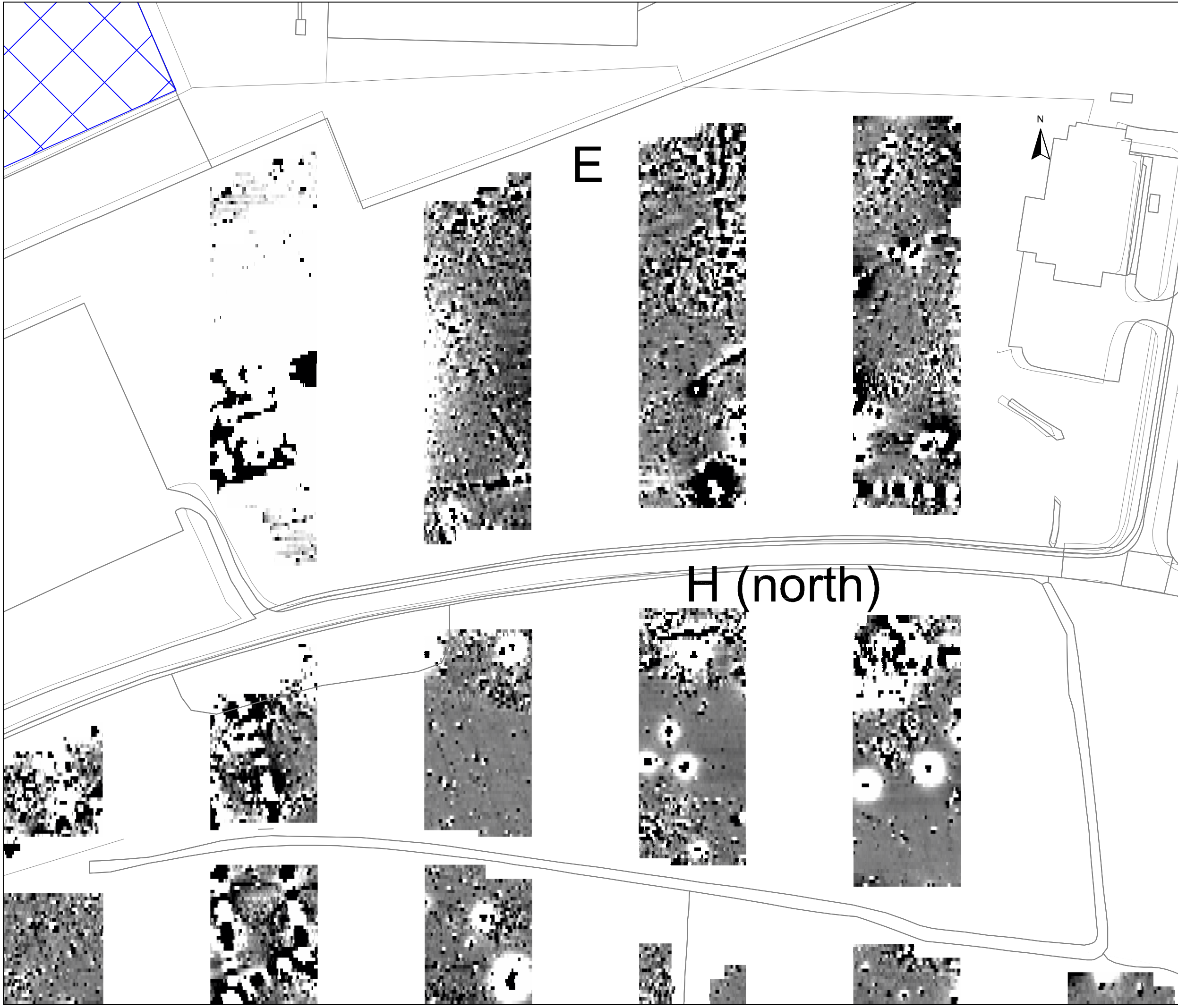
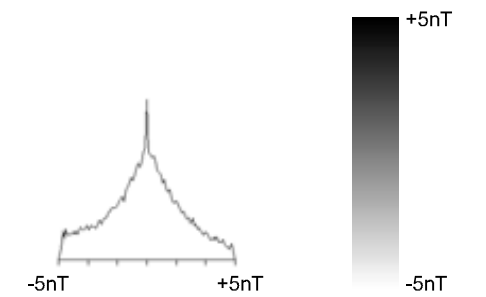
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FIG 06

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**Greyscale plot of processed
magnetometer data - Area E**



SCALE 1:1000







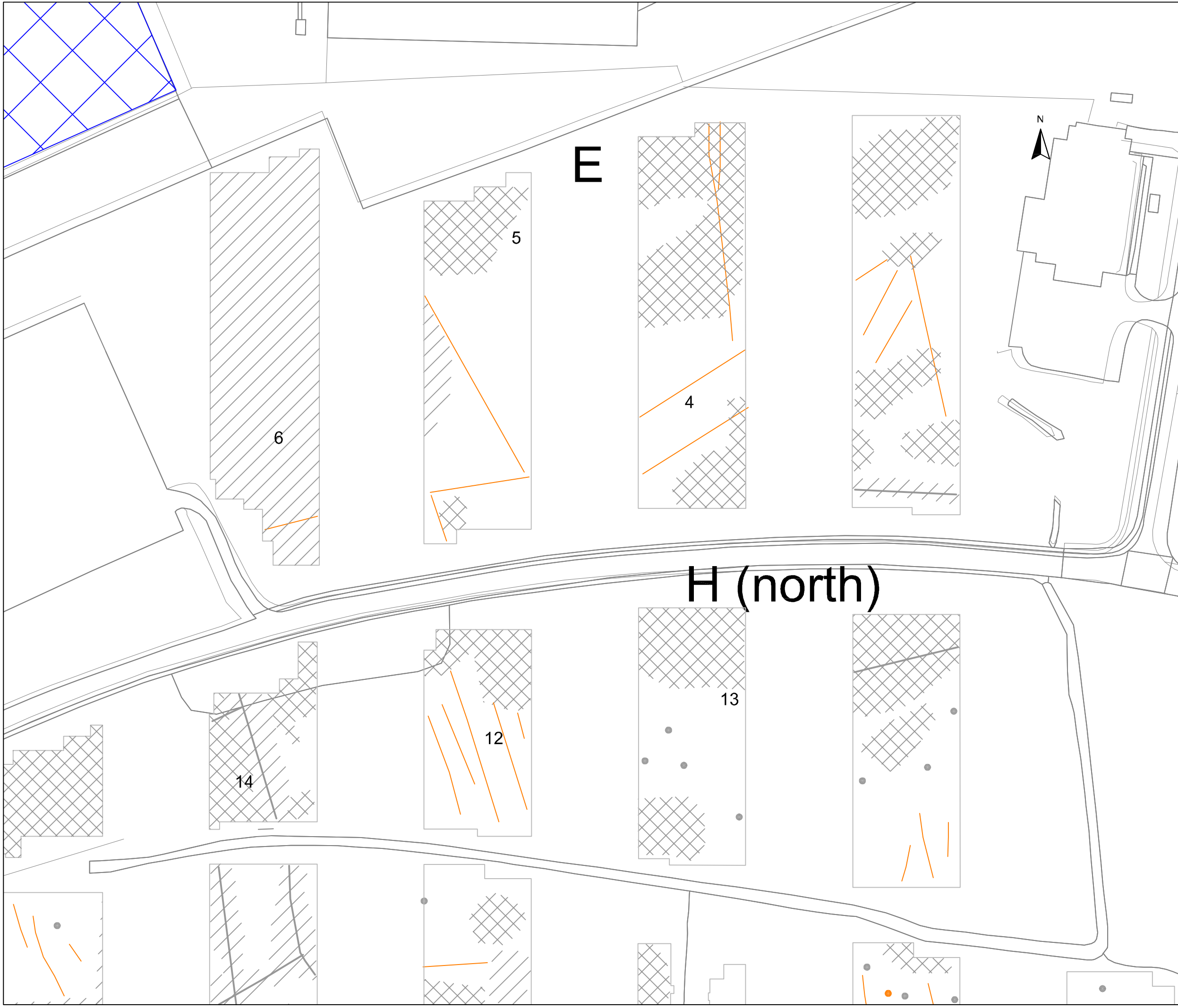
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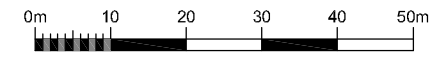
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Graven Hill**

**Abstraction and interpretation of
magnetometer anomalies -
Area E**

-  Positive linear anomaly - possible ditch-like feature
-  Magnetic debris - spread of magnetically thermoremanent/ferrous material
-  Magnetic disturbance from ferrous material
-  Strong multiple dipolar linear anomaly - pipeline / cable / service



SCALE 1:1000



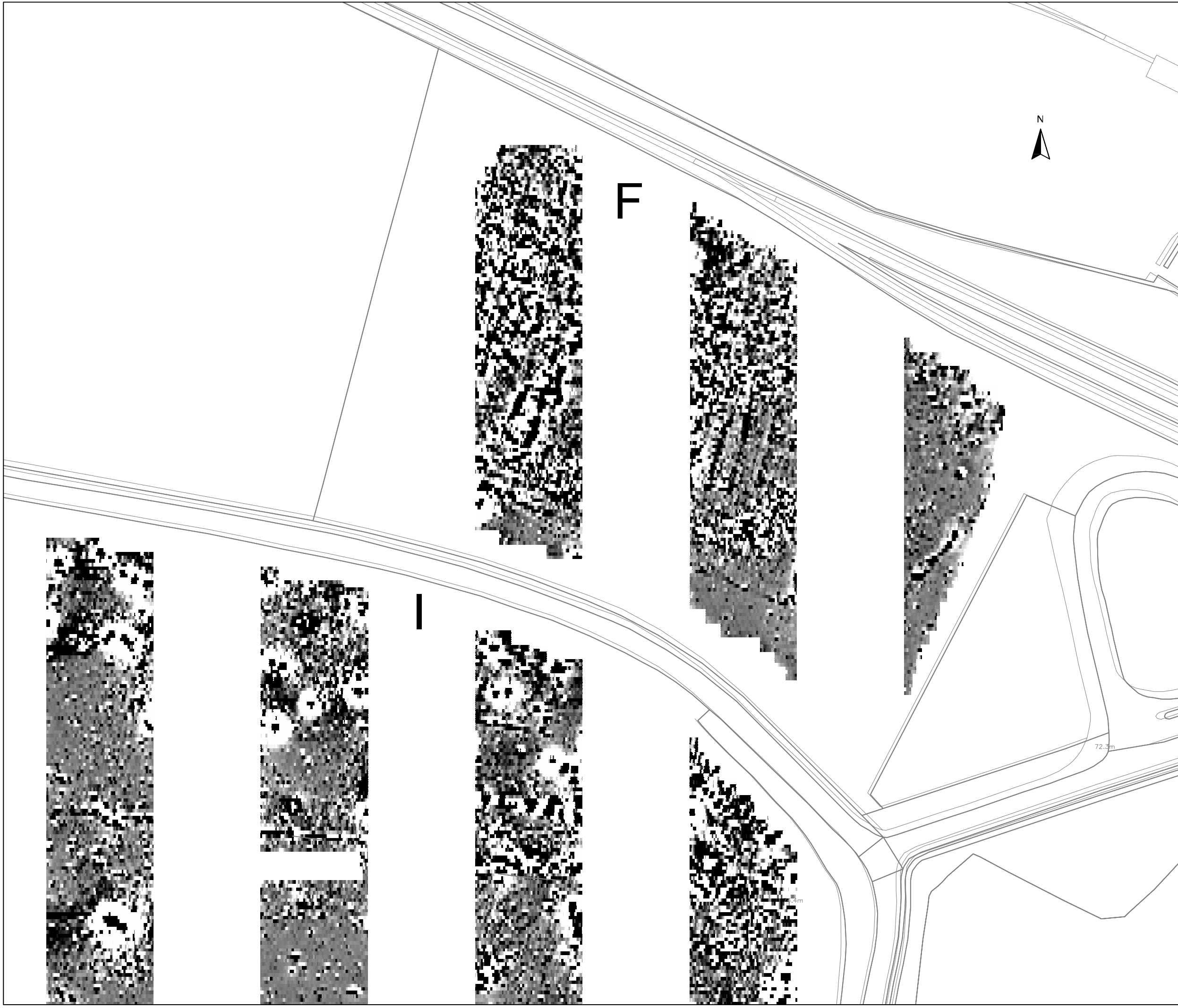
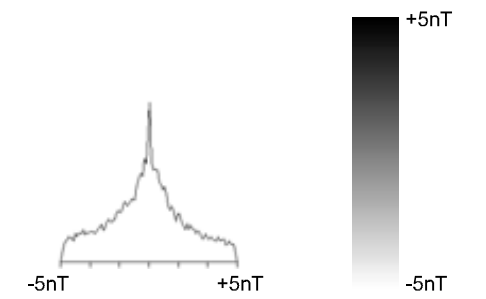
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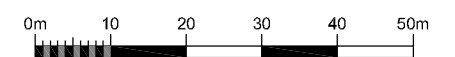
FIG 08

**Geophysical Survey
MOD Bicester
Graven Hill**

**Greyscale plot of processed
magnetometer data - Area F**



SCALE 1:1000







SCALE TRUE AT A3

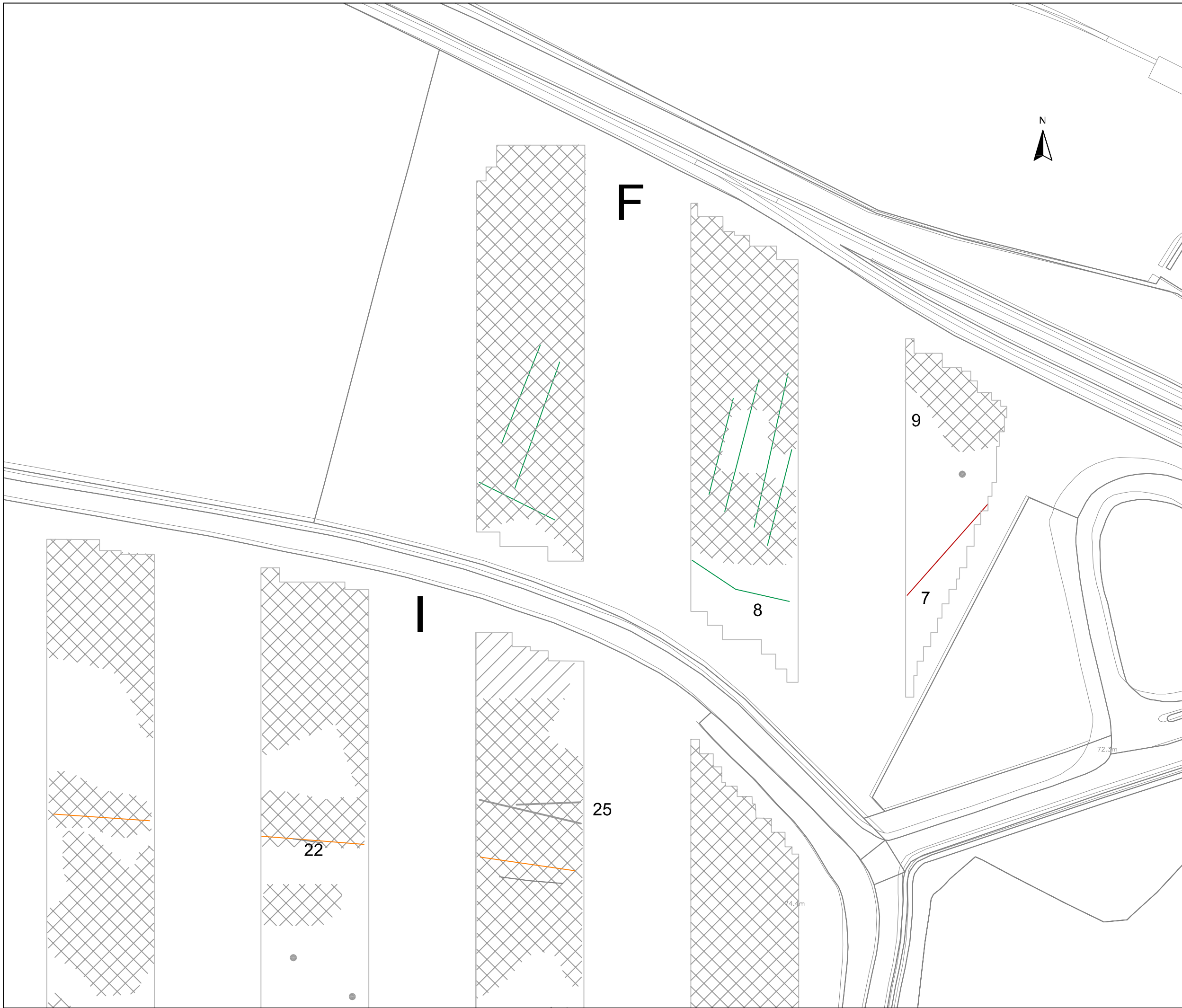
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FIG 09

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**Abstraction and interpretation of
magnetometer anomalies -
Area F**

-  Linear anomaly - ridge and furrow
-  Positive linear anomaly - possible former field boundary
-  Magnetic debris - spread of magnetically thermoremanent/ferrous material
-  Strong dipolar anomaly - ferrous object



SCALE 1:1000



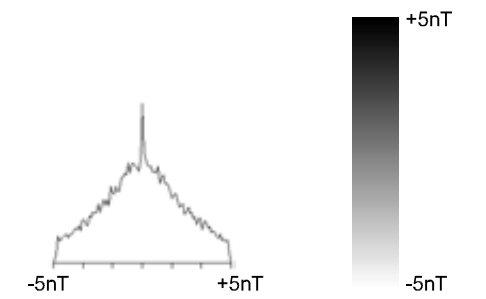
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FIG 10

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**Greyscale plot of processed
magnetometer data - Area G**



SCALE 1:1000









SCALE TRUE AT A3

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FIG 11

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**Abstraction and interpretation of
magnetometer anomalies -
Area G**

-  Positive linear anomaly - possible ditch-like feature
-  Negative linear anomaly - material of low magnetic susceptibility
-  Discrete positive response - possible pit-like feature
-  Magnetic debris - spread of magnetically thermoremanent/ferrous material
-  Magnetic disturbance from ferrous material
-  Strong dipolar anomaly - ferrous object



SCALE 1:1000



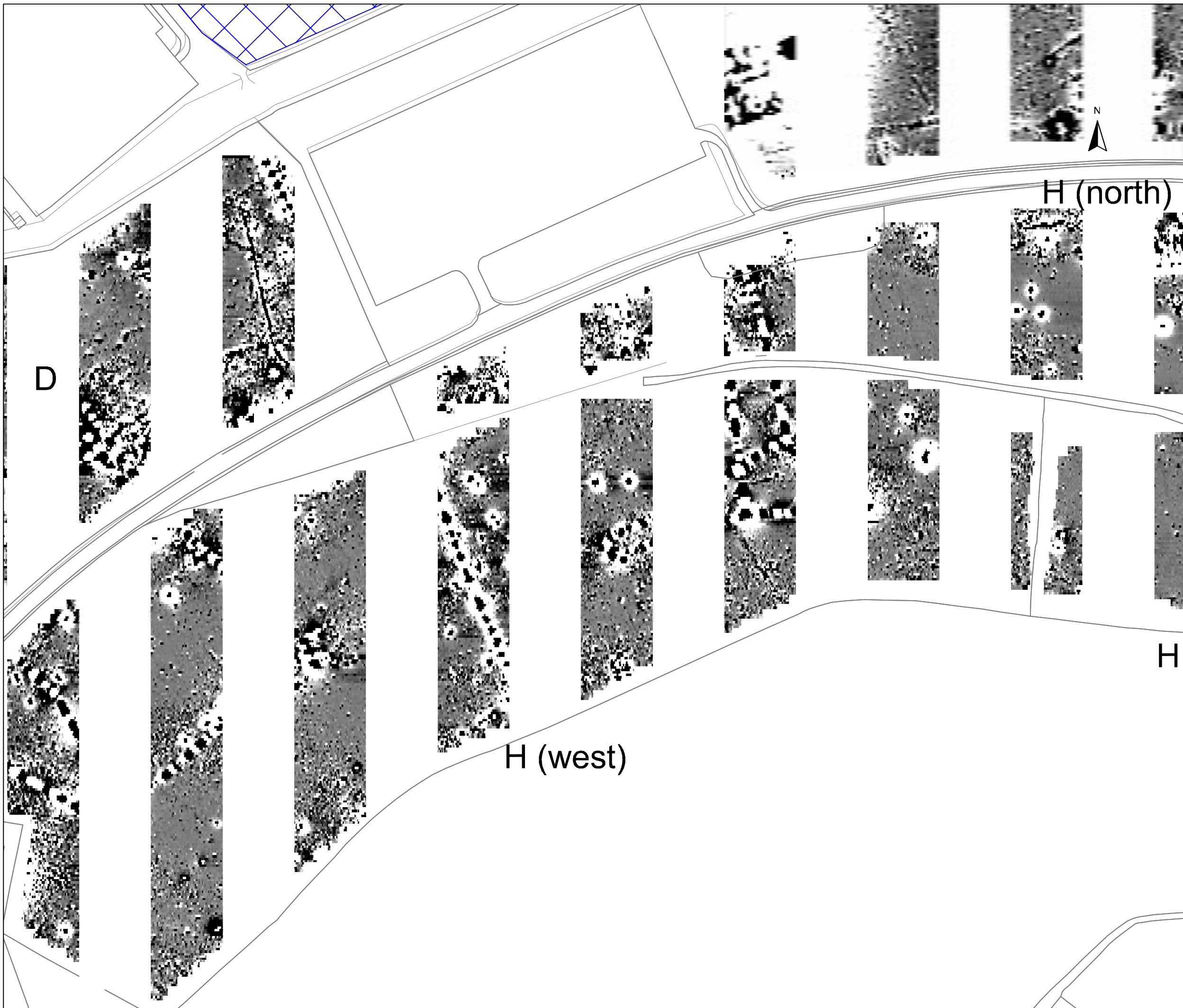
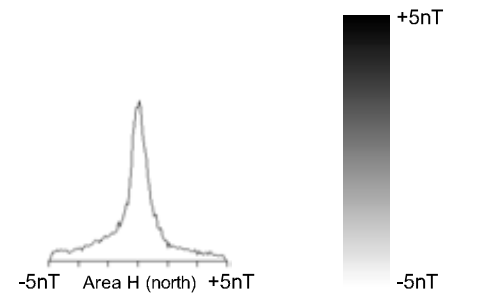
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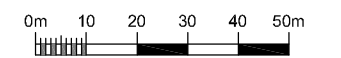
FIG 12

**Geophysical Survey
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**Greyscale plot of processed
magnetometer data -
Area H (north and west)**



SCALE 1:1500








SCALE TRUE AT A3

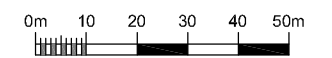
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**Abstraction and interpretation of
magnetometer anomalies -
Area H (north & west)**

-  Positive linear anomaly - possible ditch-like feature
-  Magnetic debris - spread of magnetically thermoremnant/ferrous material
-  Magnetic disturbance from ferrous material
-  Strong multiple dipolar linear anomaly - pipeline / cable / service
-  Strong dipolar anomaly - ferrous object

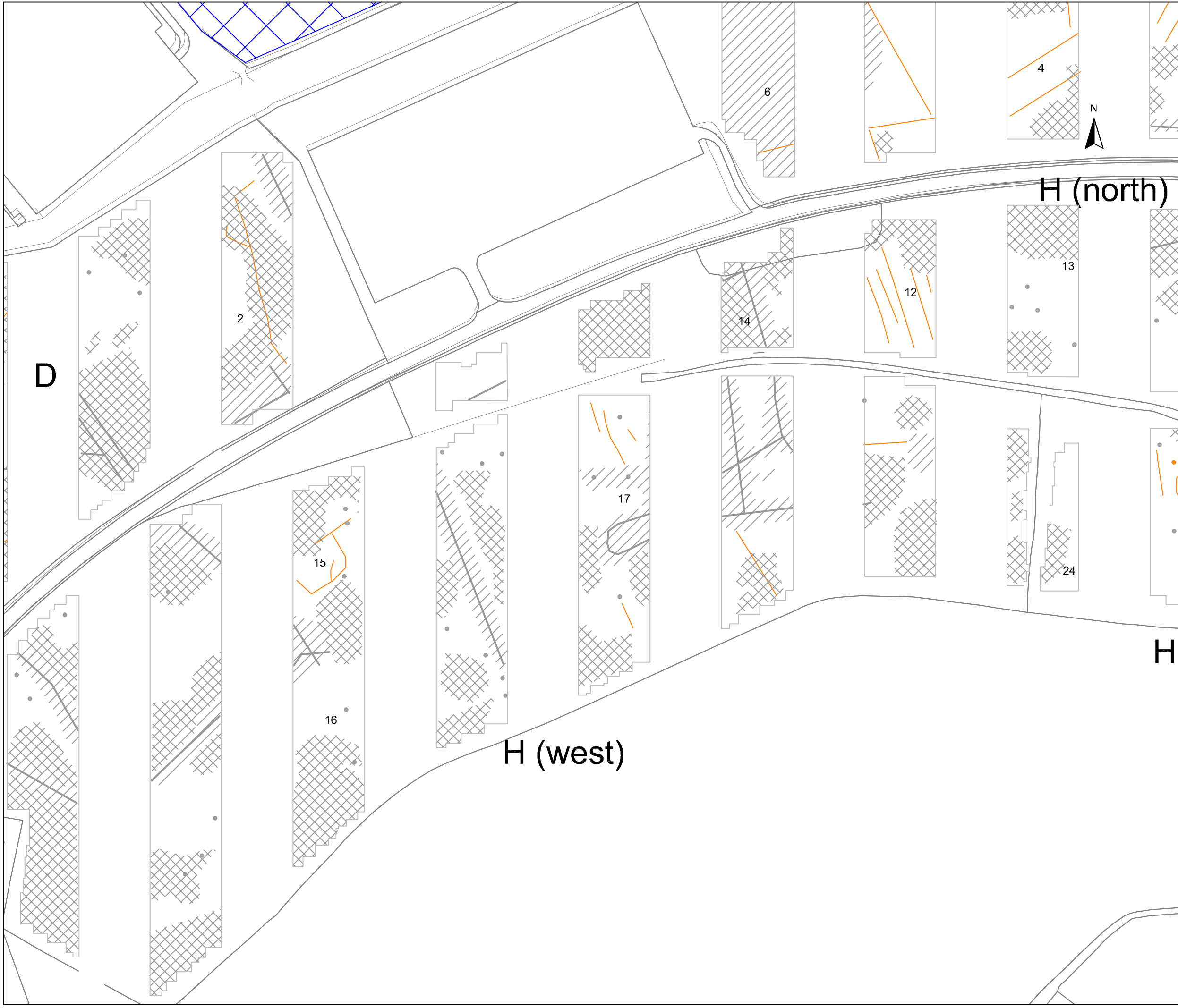
SCALE 1:1500



SCALE TRUE AT A3

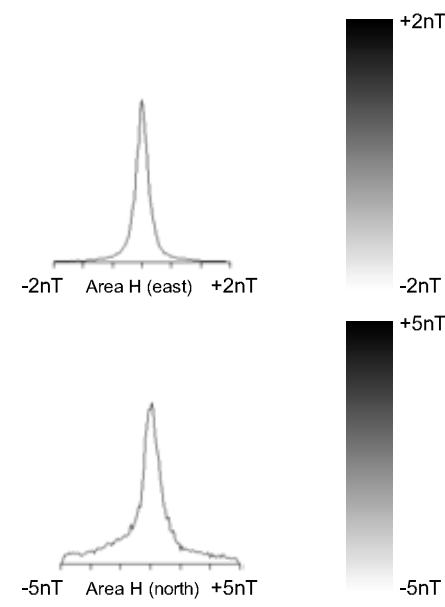
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FIG 14



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**Greyscale plot of processed
magnetometer data -
Area H (east)**



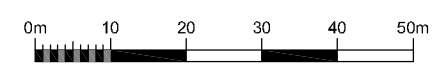
H (north)

H (east)

Targets



SCALE 1:1000








SCALE TRUE AT A3

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FIG 15

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**Abstraction and interpretation of
magnetometer anomalies -
Area H (east)**

-  Positive linear anomaly - possible ditch-like feature
-  Discrete positive response - possible pit-like feature
-  Magnetic debris - spread of magnetically thermoremanent/ferrous material
-  Magnetic disturbance from ferrous material
-  Strong dipolar anomaly - ferrous object



SCALE TRUE AT A3

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FIG 16

H (north)

13

20

H (east)

18

21

19

Targets

N

