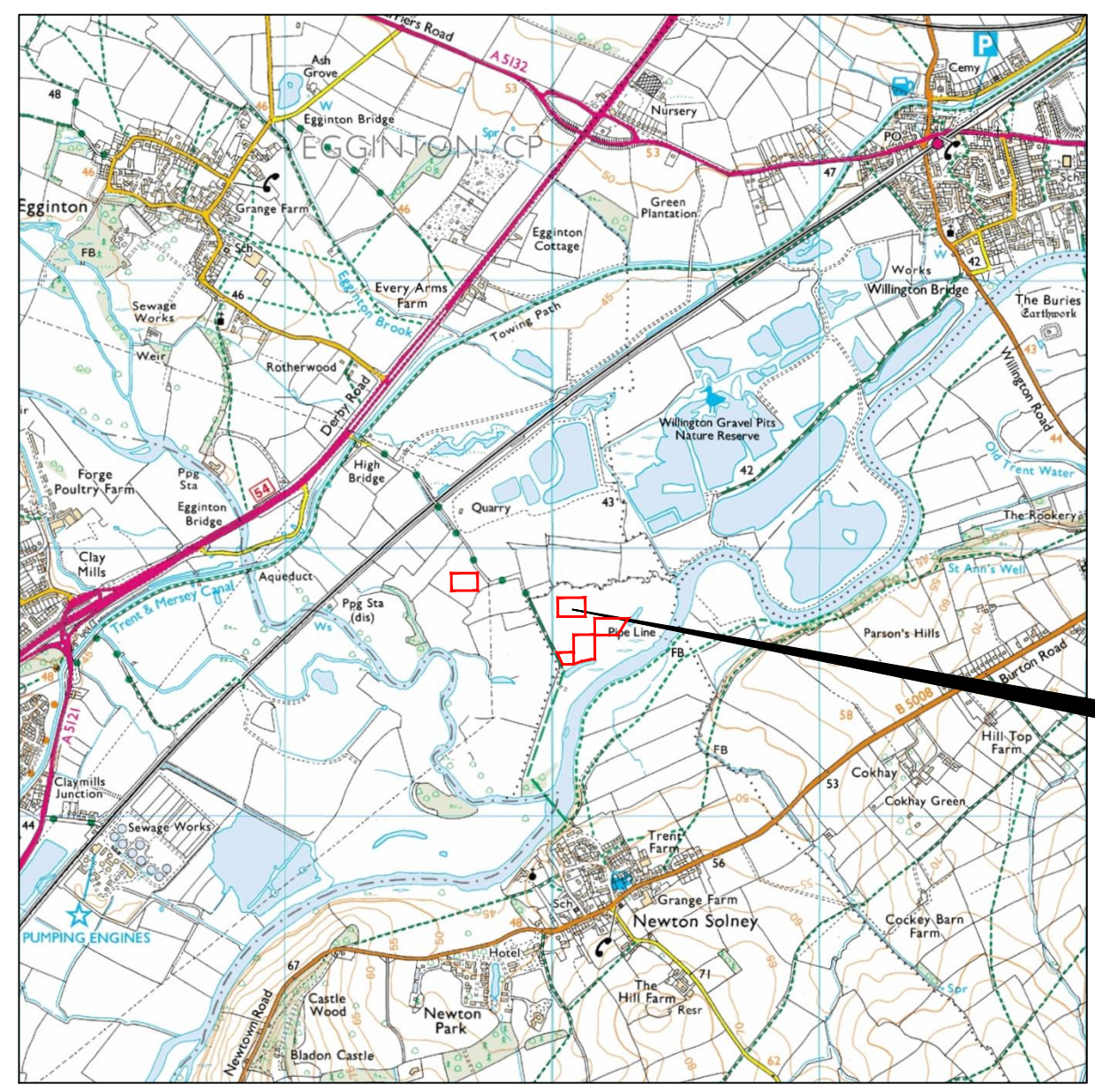


Reproduced from Ordnance Survey's 1:25 000 map of 1998 with the permission of the controller of Her Majesty's Stationery Office. Crown Copyright reserved. Licence No: AL 50125A  
 Licensee:  
 Stratascan Ltd.  
 Vineyard House  
 Upper Hook Road  
 Upton Upon Severn  
 WR8 0SA  
 OS 100km square = SK



29  
28  
27  
26  
25



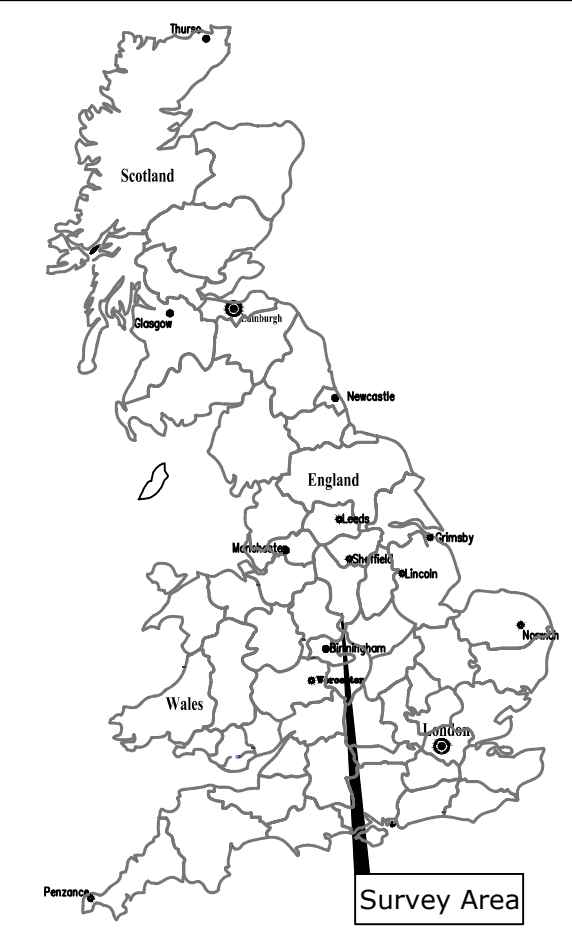
Survey Area

26 27 28 29 30

**Amendments**

Issue No.	Date	Description
-	-	-
-	-	-

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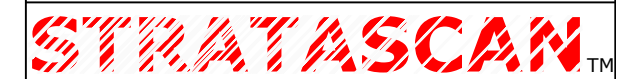


Site centred on NGR SK 278 268

Client  
**UNIVERSITY OF LEICESTER  
 ARCHAEOLOGICAL SERVICES**

Project Title Job No. 8042  
**GEOPHYSICAL SURVEY - WILLINGTON  
 QUARRY, DERBYSHIRE**

Subject  
**LOCATION PLAN OF SURVEY AREA**



**GEOPHYSICS FOR ARCHAEOLOGY  
 AND ENGINEERING**

VINEYARD HOUSE T: 01684 592266  
 UPTON UPON SEVERN E: info@stratascan.co.uk  
 WR8 0SA www.stratascan.co.uk

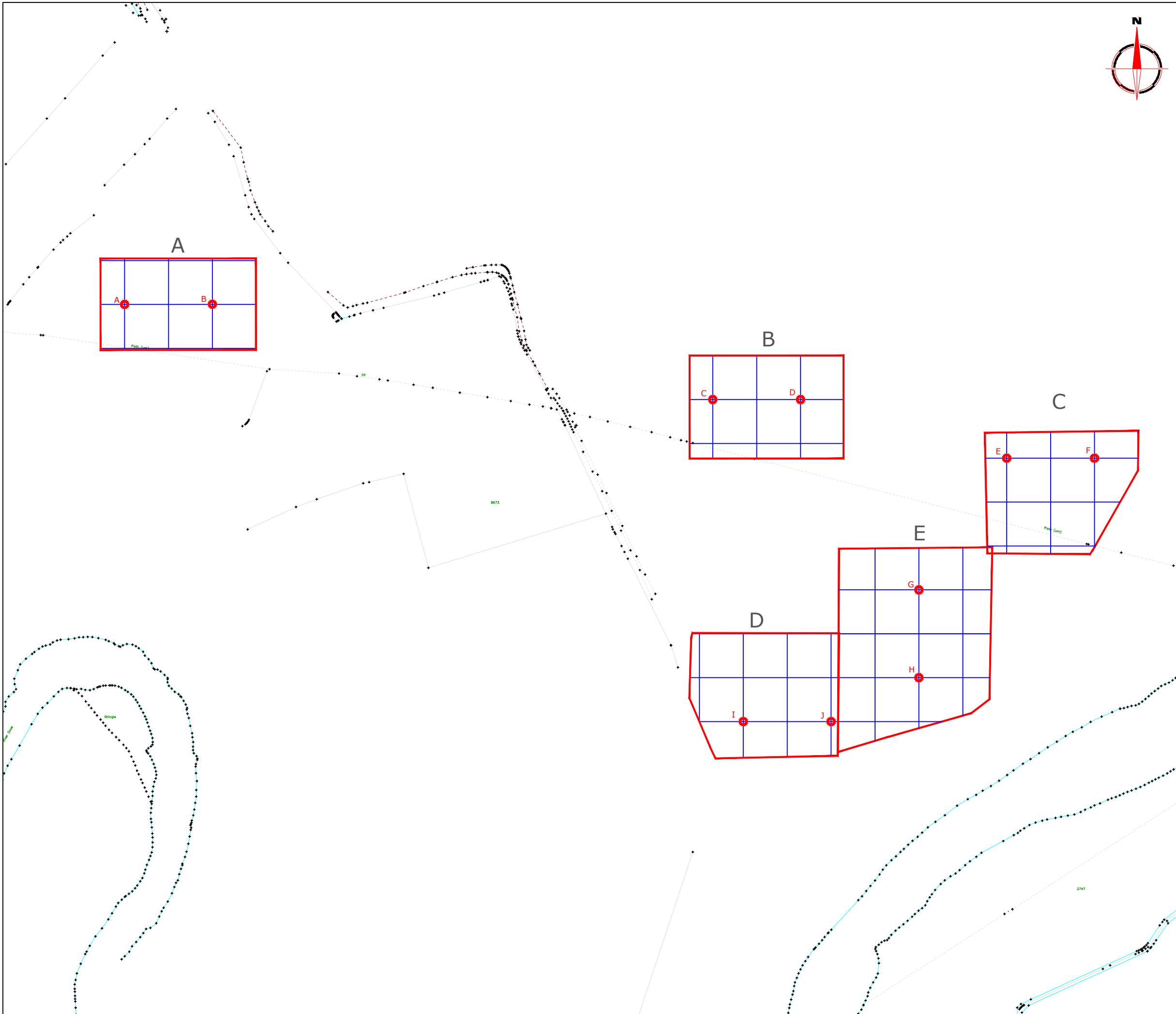


SUMO  
 GROUP  
 MEMBER



Scale 1:25000  
 0m 500m 1000m

Plot <b>A3</b>	Checked by <b>DGE</b>	Issue No. <b>01</b>
Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>01</b>



**Amendments**

Issue No.	Date	Description
-	-	-
-	-	-

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**OS GRID REFERENCES**

<b>A</b>	427611.71, 326872.94
<b>B</b>	427671.71, 326873.10
<b>C</b>	428013.65, 326807.94
<b>D</b>	428073.65, 326807.94
<b>E</b>	428214.53, 326767.88
<b>F</b>	428274.53, 326767.88
<b>G</b>	428154.53, 326677.88
<b>H</b>	428154.53, 326617.88
<b>I</b>	428034.53, 326587.88
<b>J</b>	428094.53, 326587.88

Client  
**UNIVERSITY OF LEICESTER  
 ARCHAEOLOGICAL SERVICES**

Project Title Job No. 8042  
**GEOPHYSICAL SURVEY - WILLINGTON  
 QUARRY, DERBYSHIRE**

Subject  
**LOCATION OF SURVEY GRIDS AND  
 REFERENCING**

**STRATASCAN™**  
**GEOPHYSICS FOR ARCHAEOLOGY  
 AND ENGINEERING**

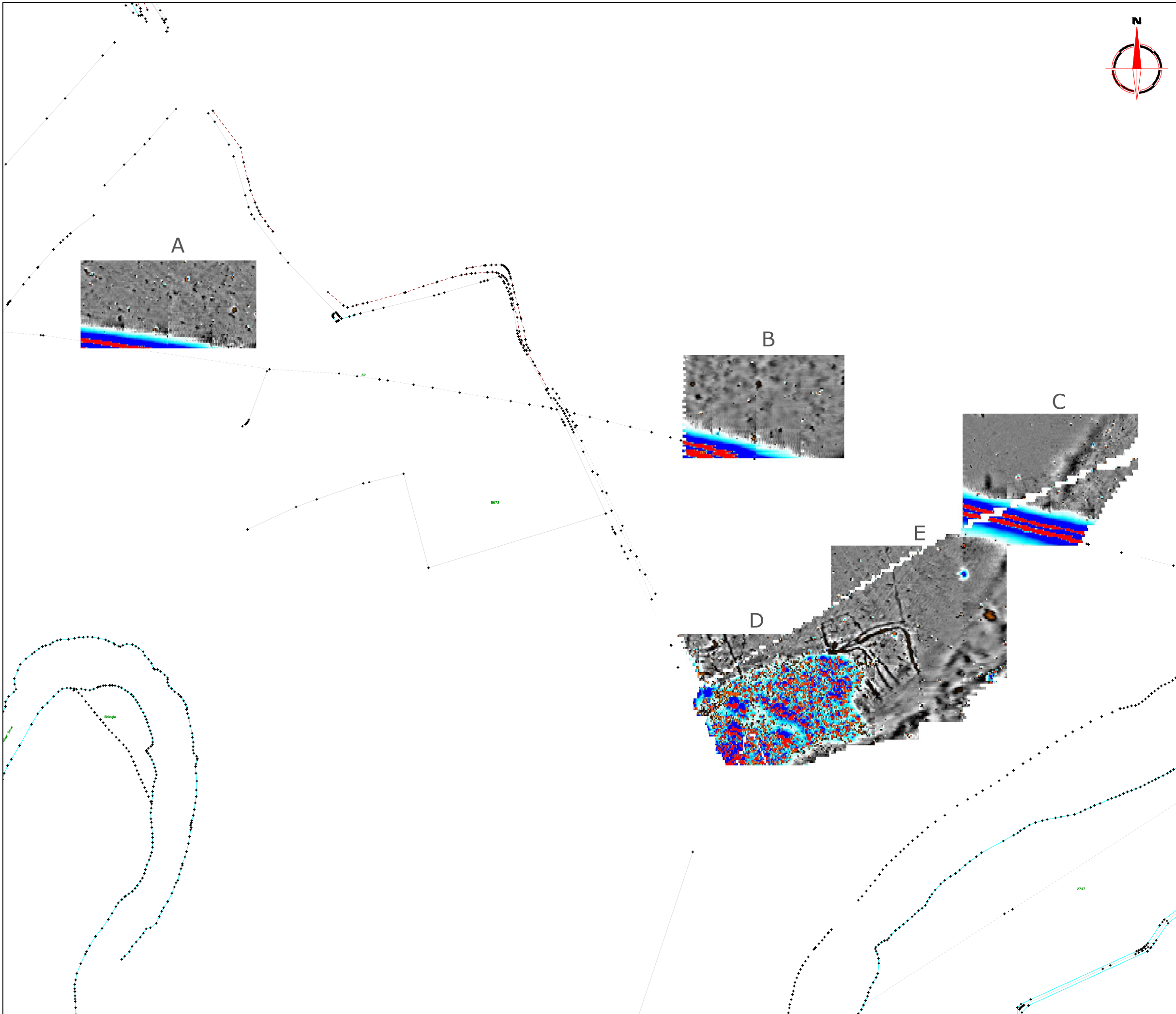
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**EUROPEAN  
 GPR  
 ASSOCIATION**

**SUMO** SUMO GROUP MEMBER  
 ISO 9001 certified UKAS ISO 14001 certified

Scale 1:2500 0m 50 100m

Plot <b>A3</b>	Checked by <b>DGE</b>	Issue No. <b>01</b>
Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>02</b>



**Amendments**

Issue No.	Date	Description
-	-	-
-	-	-

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Plotting parameters

Maximum +100nT (red)  
Minimum -100nT (blue)

Client  
**UNIVERSITY OF LEICESTER  
ARCHAEOLOGICAL SERVICES**

Project Title Job No. 8042  
**GEOPHYSICAL SURVEY - WILLINGTON  
QUARRY, DERBYSHIRE**

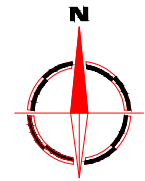
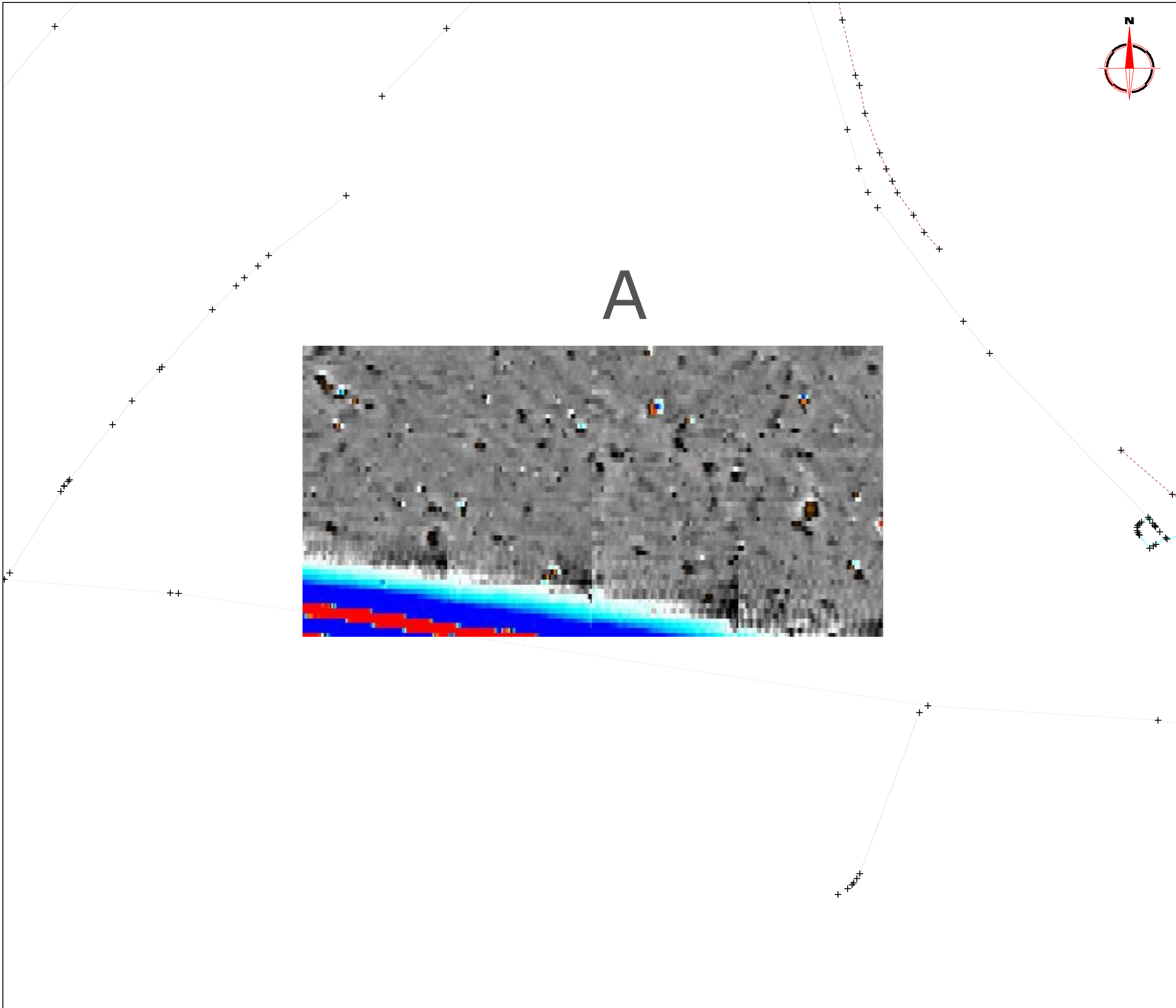
Subject  
**COLOUR PLOT OF GRADIOMETER DATA  
SHOWING EXTREME VALUES - OVERVIEW**

**GEOPHYSICS FOR ARCHAEOLOGY  
AND ENGINEERING**

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WR8 0SA www.stratascan.co.uk

Scale **1:2500**

Plot <b>A3</b>	Checked by <b>DGE</b>	Issue No. <b>01</b>
Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>03</b>



**Amendments**

Issue No.	Date	Description
-	-	-
-	-	-

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Plotting parameters

Maximum +100nT (red)  
Minimum -100nT (blue)

+100nT  
+25nT  
+3nT  
-3nT  
-25nT  
-100nT

Client  
**UNIVERSITY OF LEICESTER  
ARCHAEOLOGICAL SERVICES**

Project Title Job No. 8042  
**GEOPHYSICAL SURVEY - WILLINGTON  
QUARRY, DERBYSHIRE**

Subject  
**COLOUR PLOT OF GRADIOMETER DATA  
SHOWING EXTREME VALUES - AREA A**

**STRATASCAN™**  
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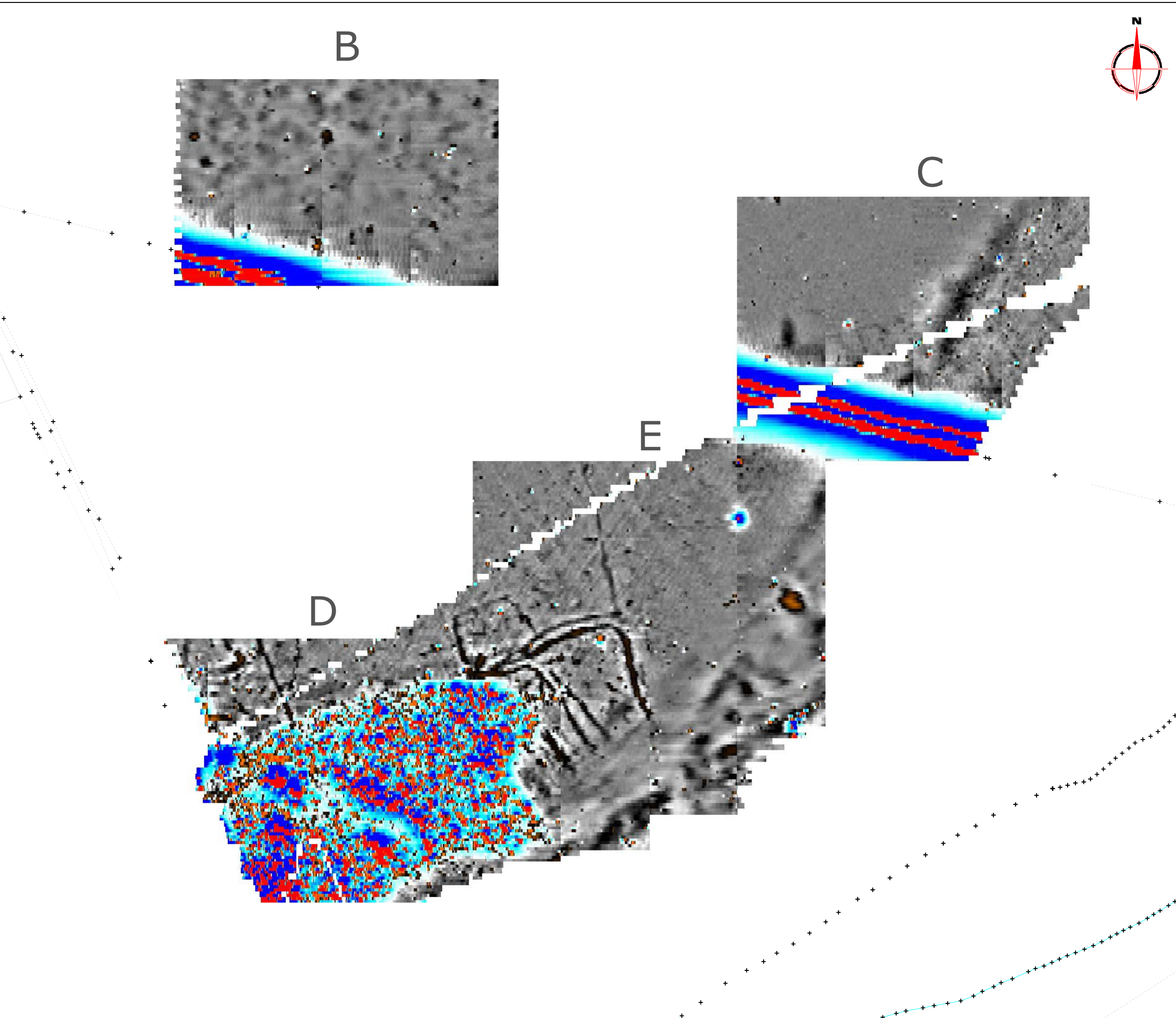
**EUROPEAN  
GPR  
ASSOCIATION**

**SUMO** SUMO GROUP MEMBER

**ims** ISO 9001 certified **UKAS** ISO 14001 certified

Scale 1:750

Plot <b>A3</b>	Checked by <b>DGE</b>	Issue No. <b>01</b>
Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>04</b>



**Amendments**

Issue No.	Date	Description
-	-	-
-	-	-

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Plotting parameters

Maximum +100nT (red)  
Minimum -100nT (blue)

+100nT  
+25nT  
+3nT  
-3nT  
-25nT  
-100nT

Client  
**UNIVERSITY OF LEICESTER  
ARCHAEOLOGICAL SERVICES**

Project Title Job No. 8042  
**GEOPHYSICAL SURVEY - WILLINGTON  
QUARRY, DERBYSHIRE**

Subject  
COLOUR PLOT OF GRADIOMETER DATA SHOWING  
EXTREME VALUES - AREAS B, C, D & E

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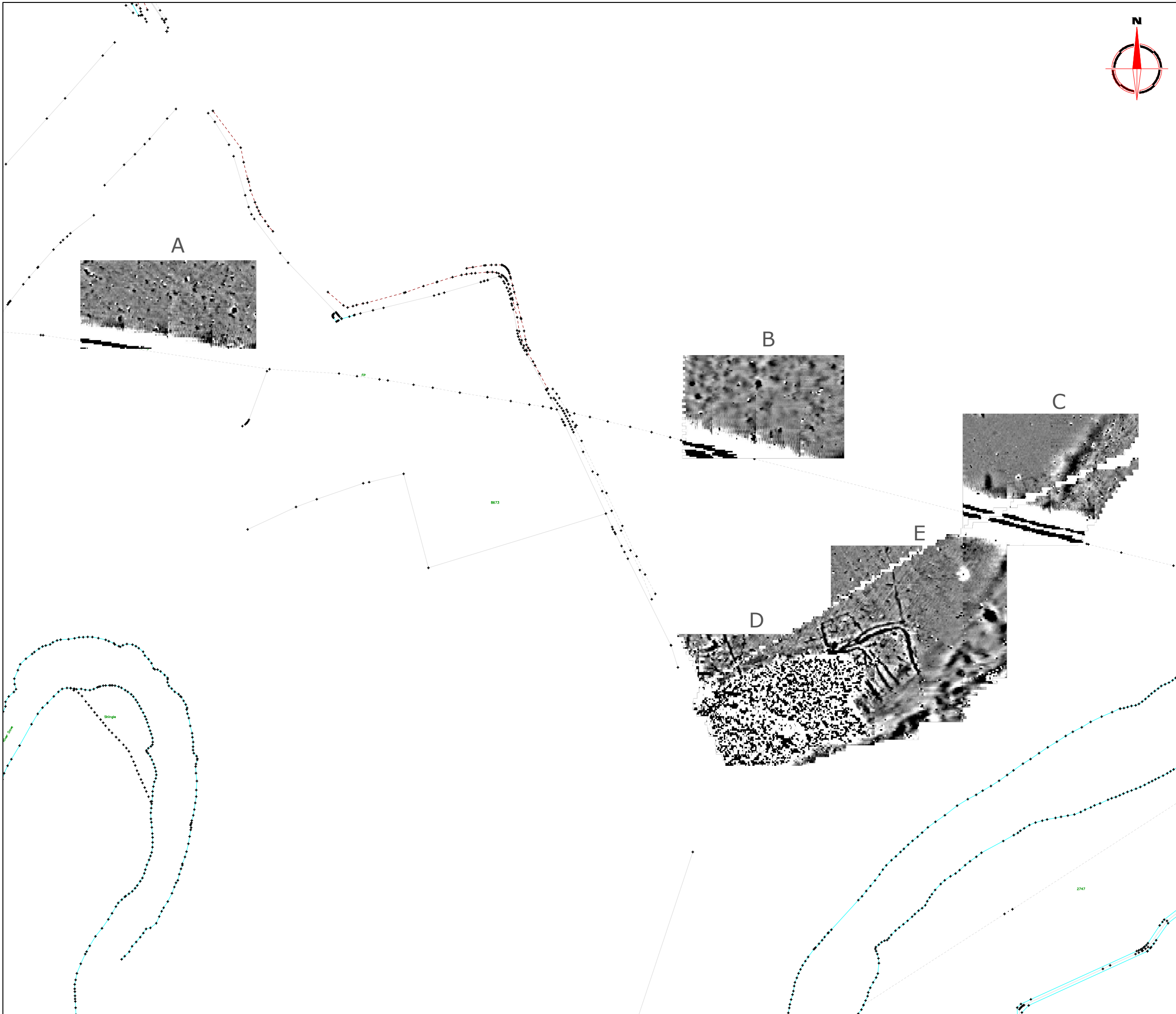
**EUROPEAN GPR ASSOCIATION**

**SUMO** SUMO GROUP MEMBER

ims ISO 9001 certified  
ims ISO 14001 certified

Scale **1:1250**  
0m 10 20 30 40 50m

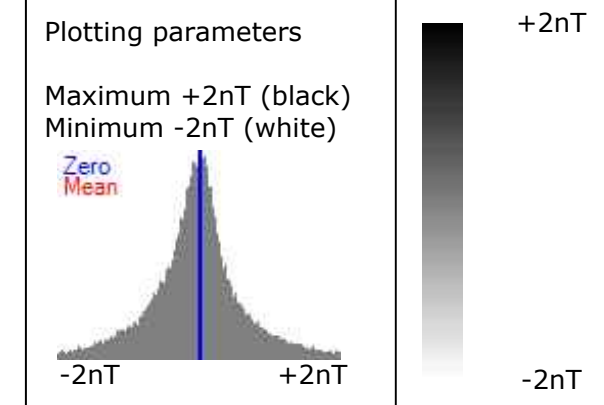
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Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>05</b>



**Amendments**

Issue No.	Date	Description
-	-	-
-	-	-

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Project Title  
**GEOPHYSICAL SURVEY - WILLINGTON  
QUARRY, DERBYSHIRE**

Job No. 8042

Subject  
**PLOT OF MINIMALLY PROCESSED  
GRADIOMETER DATA - OVERVIEW**

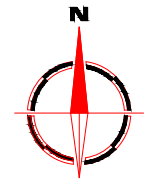
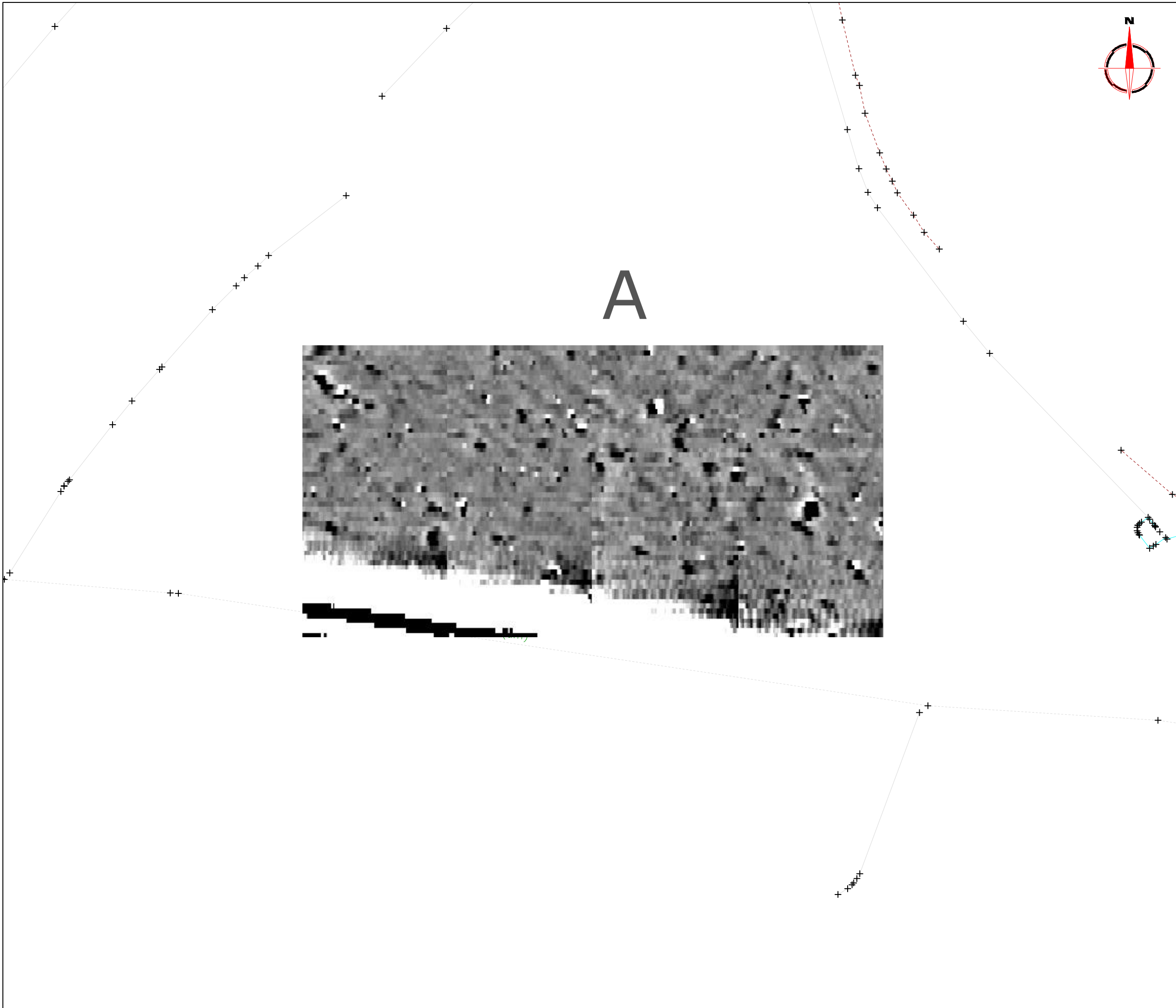
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Scale  
**1:2500**

Plot <b>A3</b>	Checked by <b>DGE</b>	Issue No. <b>01</b>
Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>06</b>



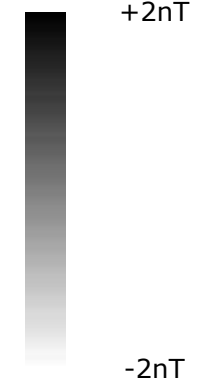
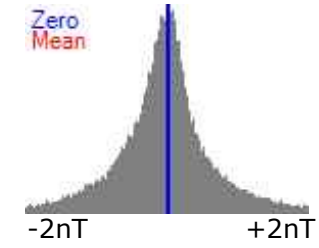
**Amendments**

Issue No.	Date	Description
-	-	-
-	-	-

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**Plotting parameters**

Maximum +2nT (black)  
Minimum -2nT (white)



Client  
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Project Title  
**GEOPHYSICAL SURVEY - WILLINGTON  
QUARRY, DERBYSHIRE**

Job No. 8042

Subject  
**PLOT OF MINIMALLY PROCESSED  
GRADIOMETER DATA - AREA A**



**GEOPHYSICS FOR ARCHAEOLOGY  
AND ENGINEERING**

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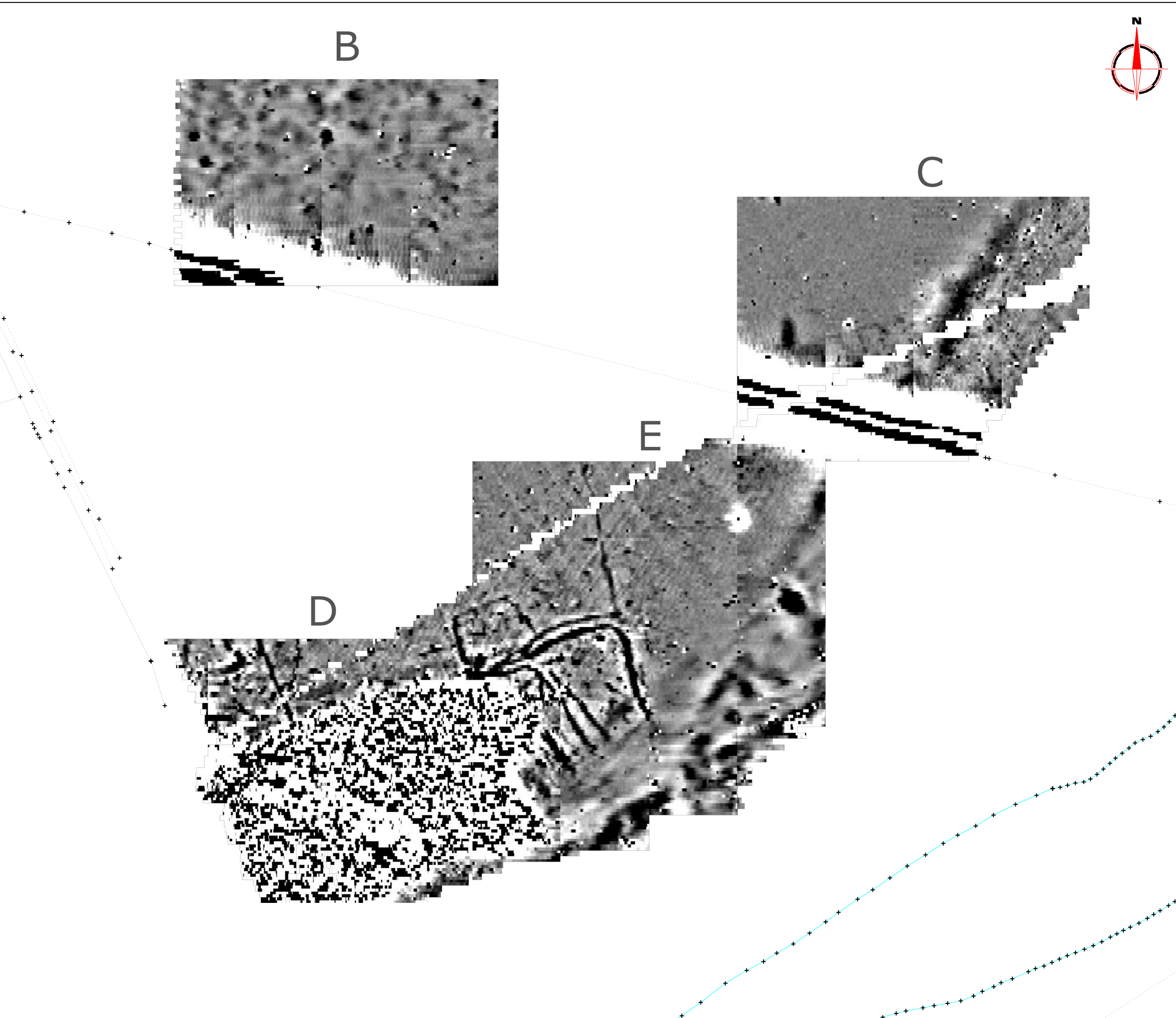


SUMO  
GROUP  
MEMBER



Scale  
**1:750**

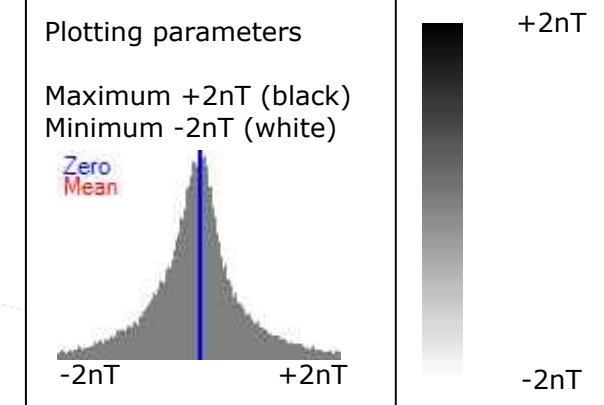
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Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>07</b>



**Amendments**

Issue No.	Date	Description
-	-	-
-	-	-

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Project Title  
**GEOPHYSICAL SURVEY - WILLINGTON  
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Job No. 8042

Subject  
**PLOT OF MINIMALLY PROCESSED  
GRADIOMETER DATA - AREAS B, C, D & E**

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GEOPHYSICS FOR ARCHAEOLOGY  
AND ENGINEERING

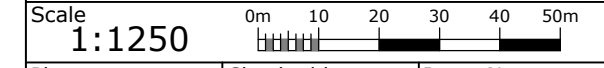
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**GPR ASSOCIATION**

**SUMO** SUMO GROUP MEMBER

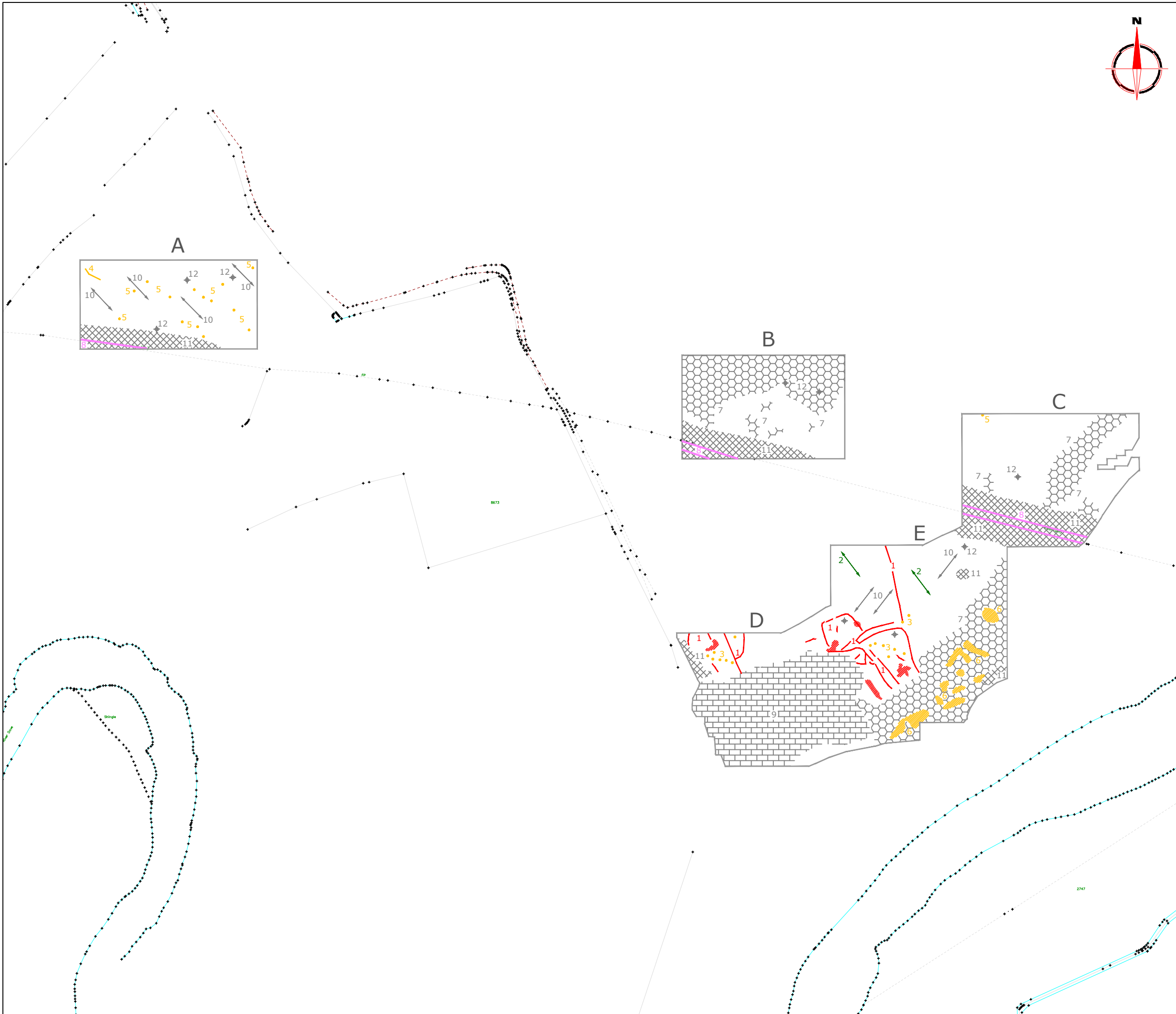
ims ISO 9001 certified

ims ISO 14001 certified



Plot <b>A3</b>	Checked by <b>DGE</b>	Issue No. <b>01</b>
Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>08</b>





### Amendments

Issue No.	Date	Description
-	-	-
-	-	-

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### KEY

#### PROBABLE ARCHAEOLOGY

- Positive anomaly / weak positive anomaly - probable cut feature of archaeological origin
- Negative anomaly / weak negative anomaly - probable bank or earthwork of archaeological origin
- Moderate strength discrete anomaly - probable thermoremanent feature
- Widely spaced curving parallel linear anomalies - probably related to ridge-and-furrow

#### POSSIBLE ARCHAEOLOGY

- Positive anomaly / weak positive anomaly - possible cut feature of archaeological origin
- Negative anomaly / weak negative anomaly - possible bank or earthwork of archaeological origin
- Moderate strength discrete anomaly - possible thermoremanent feature

#### OTHER ANOMALIES

- Closely spaced parallel linear anomalies - probably related to agricultural activity such as ploughing
- Linear anomaly - probably related to pipe, cable or other modern service
- Linear anomaly - possibly related to land drain
- Magnetic disturbance associated with nearby metal object such as service or field boundary
- Strong magnetic debris - possible disturbed or made ground
- Scattered magnetic debris
- Area of amorphous magnetic variation - probable natural (e.g. geological or pedological) origin
- Magnetic spike - probable ferrous object

Client  
**UNIVERSITY OF LEICESTER  
 ARCHAEOLOGICAL SERVICES**

Project Title Job No. 8042  
**GEOPHYSICAL SURVEY - WILLINGTON  
 QUARRY, DERBYSHIRE**

Subject  
**ABSTRACTION AND INTERPRETATION OF  
 GRADIOMETER ANOMALIES - OVERVIEW**

**STRATASCAN™**  
**GEOPHYSICS FOR ARCHAEOLOGY  
 AND ENGINEERING**

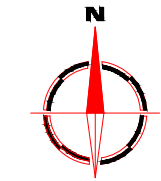
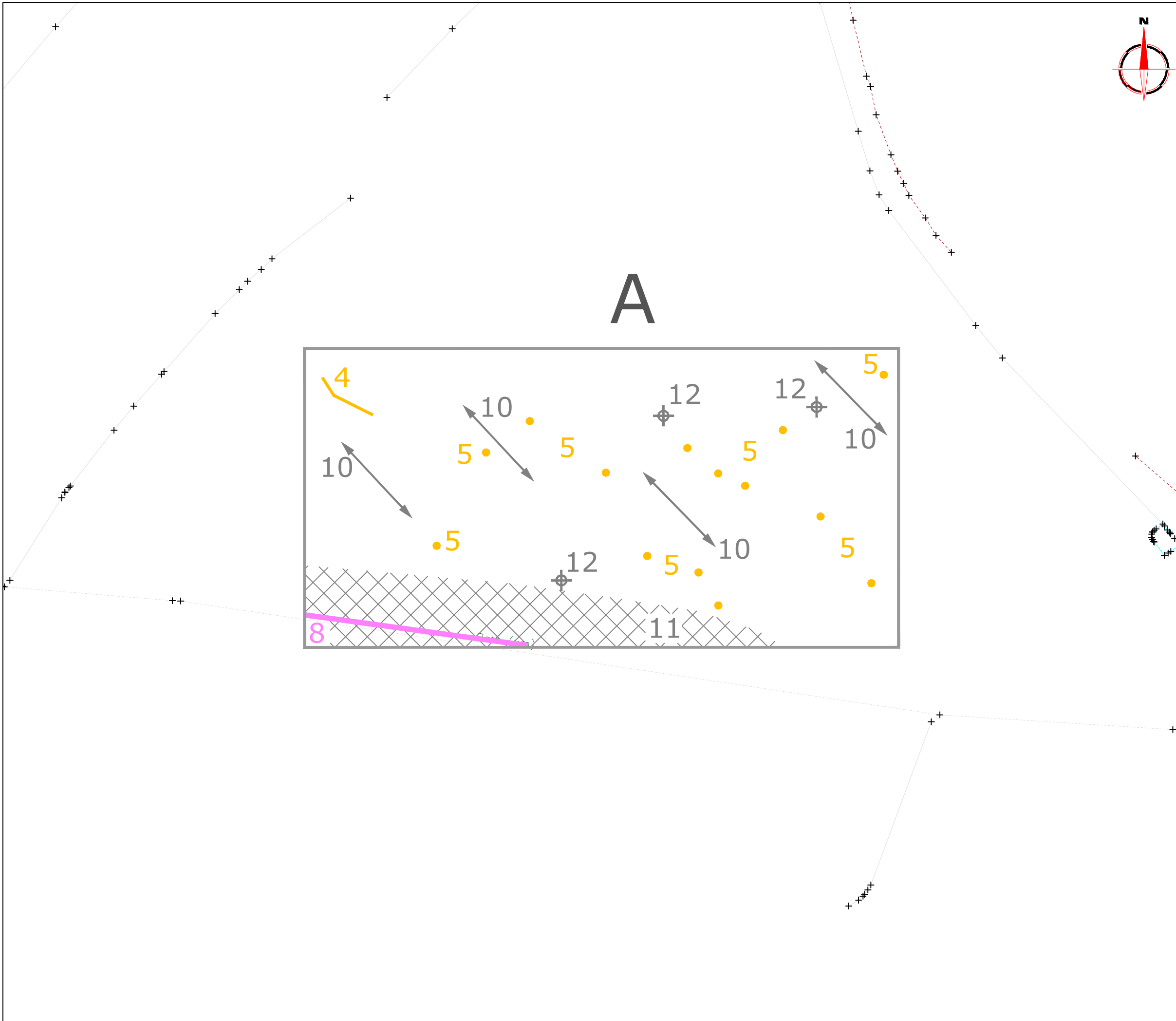
VINEYARD HOUSE T: 01684 592266  
 UPTON UPON SEVERN E: info@stratascan.co.uk  
 WR8 0SA www.stratascan.co.uk

**EUROPEAN GPR ASSOCIATION**

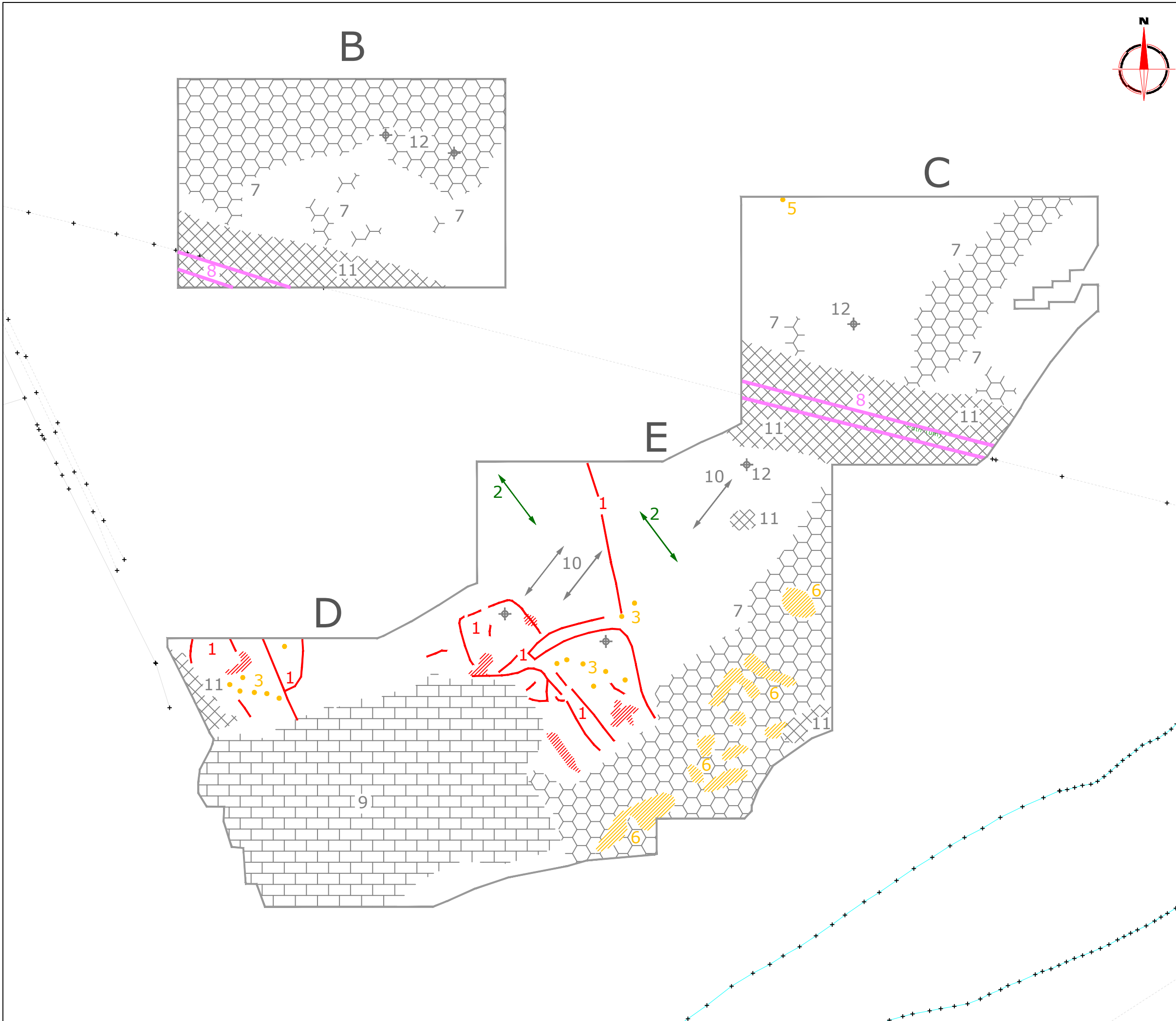
**SUMO** SUMO GROUP MEMBER

Scale **1:2500**

Plot <b>A3</b>	Checked by <b>DGE</b>	Issue No. <b>01</b>
Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>09</b>



Amendments		
Issue No.	Date	Description
-	-	-
-	-	-
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KEY		
PROBABLE ARCHAEOLOGY		
	Positive anomaly / weak positive anomaly - probable cut feature of archaeological origin	
	Negative anomaly / weak negative anomaly - probable bank or earthwork of archaeological origin	
	Moderate strength discrete anomaly - probable thermoremanent feature	
	Widely spaced curving parallel linear anomalies - probably related to ridge-and-furrow	
POSSIBLE ARCHAEOLOGY		
	Positive anomaly / weak positive anomaly - possible cut feature of archaeological origin	
	Negative anomaly / weak negative anomaly - possible bank or earthwork of archaeological origin	
	Moderate strength discrete anomaly - possible thermoremanent feature	
OTHER ANOMALIES		
	Closely spaced parallel linear anomalies - probably related to agricultural activity such as ploughing	
	Linear anomaly - probably related to pipe, cable or other modern service	
	Linear anomaly - possibly related to land drain	
	Magnetic disturbance associated with nearby metal object such as service or field boundary	
	Strong magnetic debris - possible disturbed or made ground	
	Scattered magnetic debris	
	Area of amorphous magnetic variation - probable natural (e.g. geological or pedological) origin	
	Magnetic spike - probable ferrous object	
Client		
<b>UNIVERSITY OF LEICESTER ARCHAEOLOGICAL SERVICES</b>		
Project Title		Job No. 8042
GEOPHYSICAL SURVEY - WILLINGTON QUARRY, DERBYSHIRE		
Subject		
ABSTRACTION AND INTERPRETATION OF GRADIOMETER ANOMALIES - AREA A		
<b>STRATASCAN™</b>		
<b>GEOPHYSICS FOR ARCHAEOLOGY AND ENGINEERING</b>		
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SUMO GROUP MEMBER		
Scale		
1:750		
Plot	Checked by	Issue No.
A3	DGE	01
Survey date	Drawn by	Figure No.
FEB 15	RD	10



**Amendments**

Issue No.	Date	Description
-	-	-
-	-	-

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**KEY**

**PROBABLE ARCHAEOLOGY**

- Positive anomaly / weak positive anomaly - probable cut feature of archaeological origin
- Negative anomaly / weak negative anomaly - probable bank or earthwork of archaeological origin
- Moderate strength discrete anomaly - probable thermoremanent feature
- Widely spaced curving parallel linear anomalies - probably related to ridge-and-furrow

**POSSIBLE ARCHAEOLOGY**

- Positive anomaly / weak positive anomaly - possible cut feature of archaeological origin
- Negative anomaly / weak negative anomaly - possible bank or earthwork of archaeological origin
- Moderate strength discrete anomaly - possible thermoremanent feature

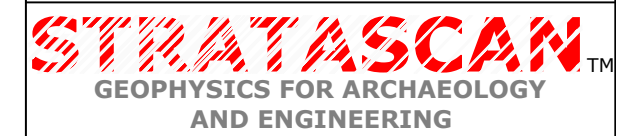
**OTHER ANOMALIES**

- Closely spaced parallel linear anomalies - probably related to agricultural activity such as ploughing
- Linear anomaly - probably related to pipe, cable or other modern service
- Linear anomaly - possibly related to land drain
- Magnetic disturbance associated with nearby metal object such as service or field boundary
- Strong magnetic debris - possible disturbed or made ground
- Scattered magnetic debris
- Area of amorphous magnetic variation - probable natural (e.g. geological or pedological) origin
- Magnetic spike - probable ferrous object

Client  
**UNIVERSITY OF LEICESTER  
 ARCHAEOLOGICAL SERVICES**

Project Title Job No. 8042  
**GEOPHYSICAL SURVEY - WILLINGTON  
 QUARRY, DERBYSHIRE**

Subject  
 ABSTRACTION AND INTERPRETATION OF  
 GRADIOMETER ANOMALIES - AREAS B, C, D & E



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Scale **1:1250**  
 0m 10 20 30 40 50m

Plot <b>A3</b>	Checked by <b>DGE</b>	Issue No. <b>01</b>
Survey date <b>FEB 15</b>	Drawn by <b>RD</b>	Figure No. <b>11</b>