



# **Norwich Western Link**

## **Environmental Statement Chapter**

### **8: Cultural Heritage**

#### **Appendix 2: Geophysical Survey**

#### **Report (Magnitude Surveys 2021)**

#### **Part 3 of 3**

Author: WSP

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## **Contents**

1 Introduction

3

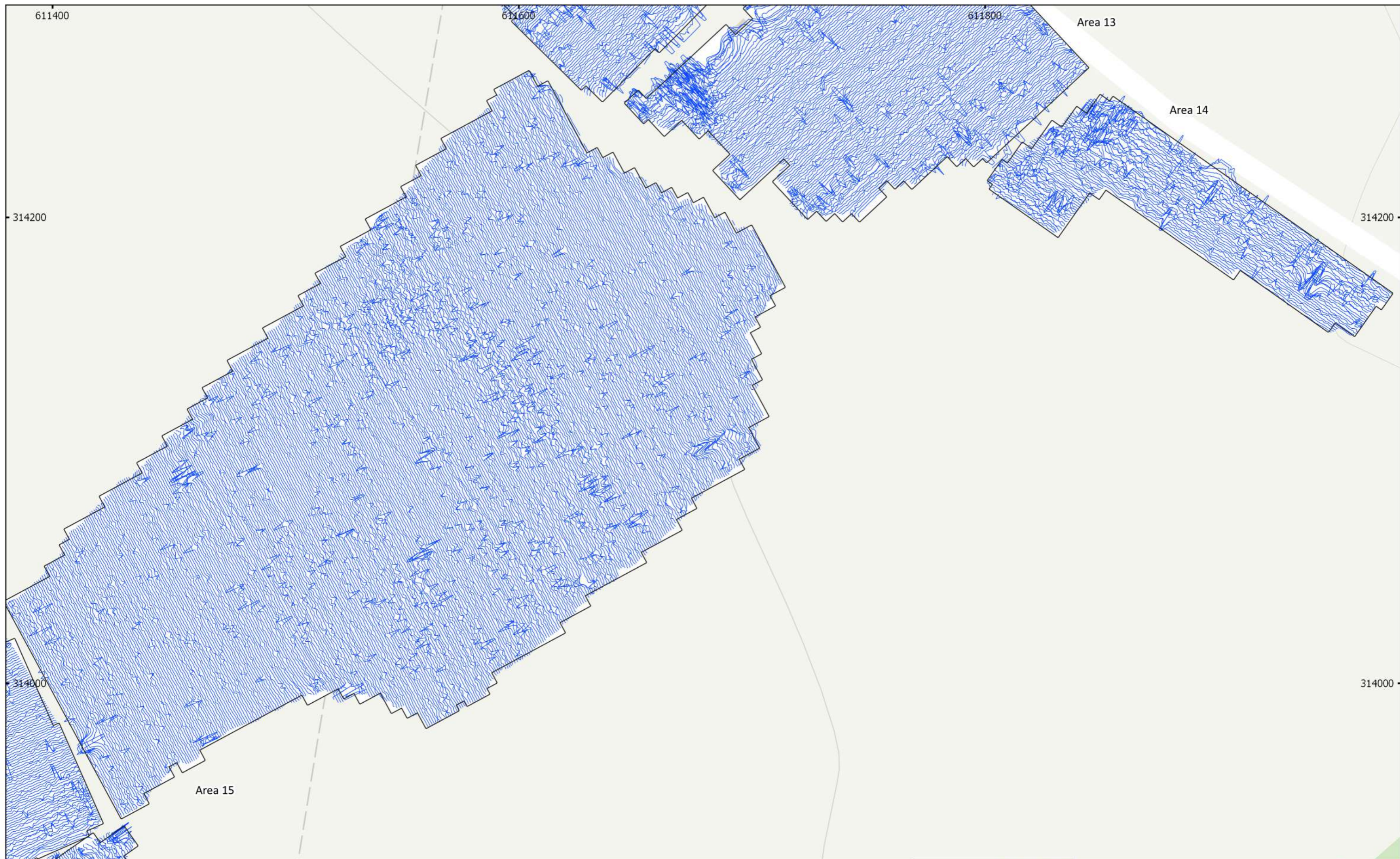


## 1 Introduction

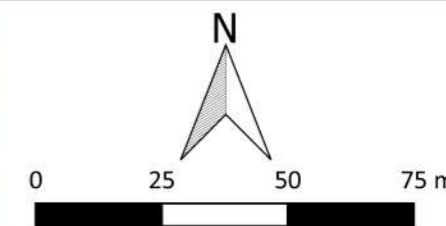
1.1.1 Magnitude Surveys was commissioned to assess the subsurface archaeological potential of a c. 107ha area of land following the proposed route of the Norwich Western Link Road. A fluxgate gradiometer survey was successfully completed across c. 102.32ha, with the remainder unable to be surveyed due to unsafe ground conditions and overgrown vegetation. Across the length of the survey area, both probably and possible archaeological activity has been identified, including possible enclosures with internal features. Anomalies classified as undetermined have also been identified across the survey area, and while they are more likely to be agricultural or natural in origin, an archaeological origin cannot be ruled out. Agricultural activity has been identified in the form of modern ploughing trends, former mapped and unmapped field boundaries and pre-mechanised arable cultivation. Natural variations have been identified in areas with superficial sand and gravel deposits. Modern disturbance is generally limited to the edges of the survey areas, surrounding buried or overhead services and pylons.

1.1.2 We have included a summary of key information shown in this document in an accessible format. However, some users may not be able to access all technical details. If you require this document in a more accessible format please contact [norwichwesternlink@norfolk.gov.uk](mailto:norwichwesternlink@norfolk.gov.uk)





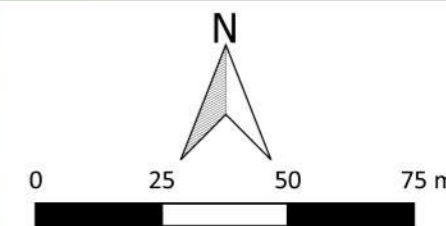
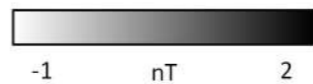
MSTG746 - Norwich Western Link  
 Figure 59 - XY Trace Plot (Areas 13, 14 & 15)  
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 Figure 60 - Magnetic Gradient (Areas 15, 16, 17, 18 & 19)  
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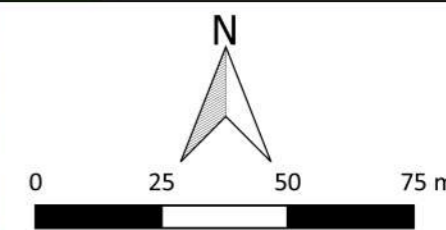




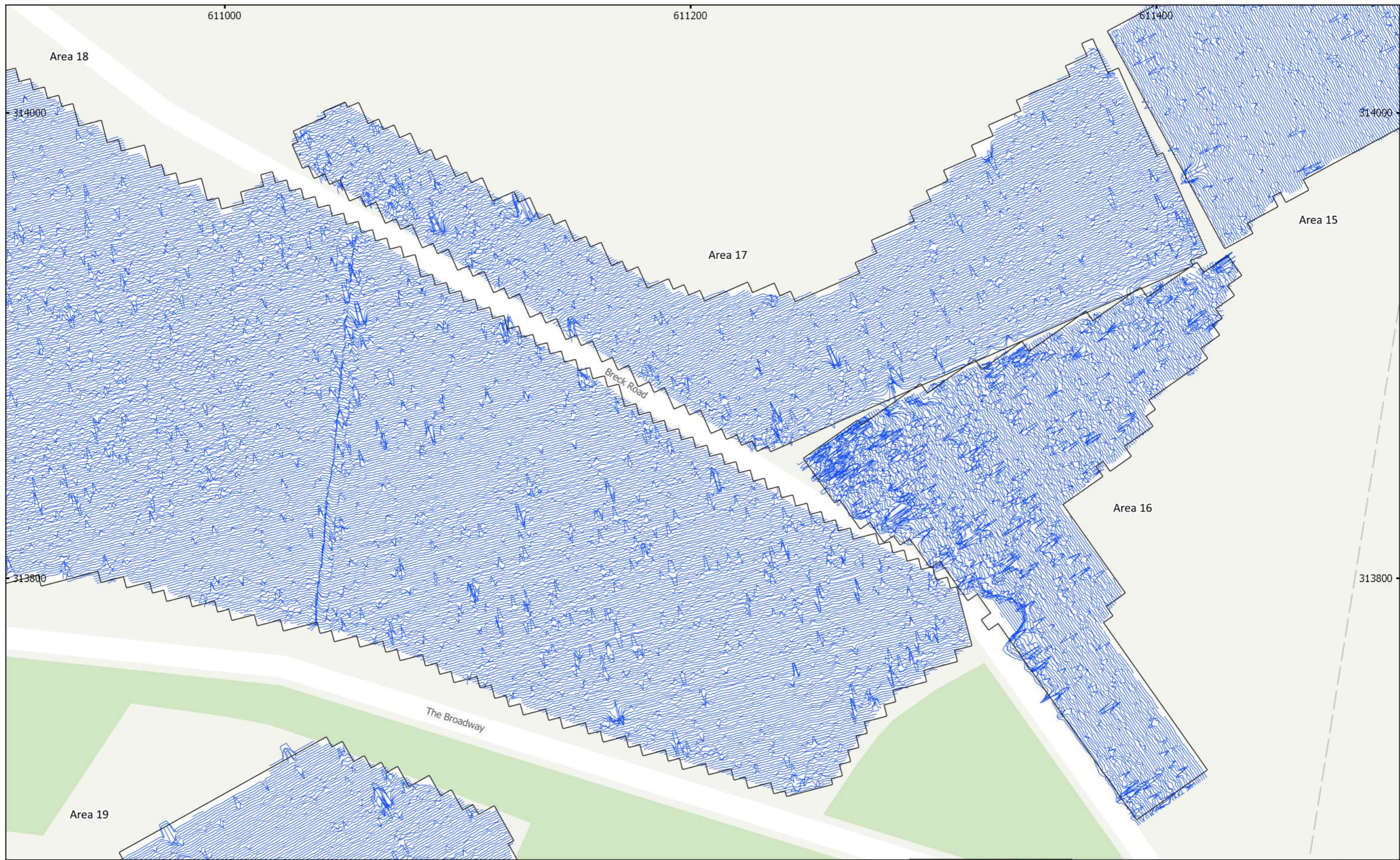


MSTG746 - Norwich Western Link  
 Figure 61 - Magnetic Interpretation (Areas 15, 16, 17, 18 & 19)  
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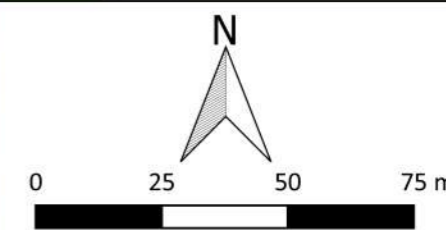
- |                         |                       |
|-------------------------|-----------------------|
| Agricultural (Strong)   | Undetermined (Strong) |
| Agricultural (Weak)     | Undetermined (Weak)   |
| Natural (Strong)        | Agricultural (Trend)  |
| Natural (Weak)          | Undetermined (Trend)  |
| Magnetic Disturbance    | Ferrous (Spike)       |
| Ferrous/Debris (Spread) |                       |







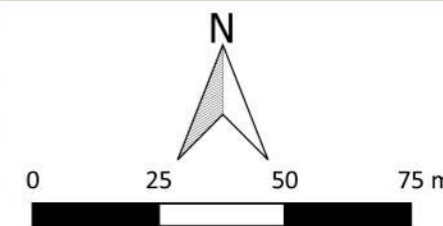
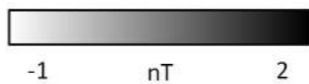
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 Figure 62 - XY Trace Plot (Areas 15, 16, 17, 18 & 19)  
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 Figure 63 - Magnetic Gradient (Area 18)  
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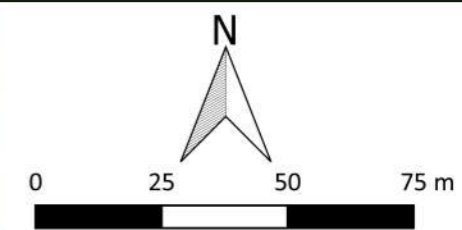




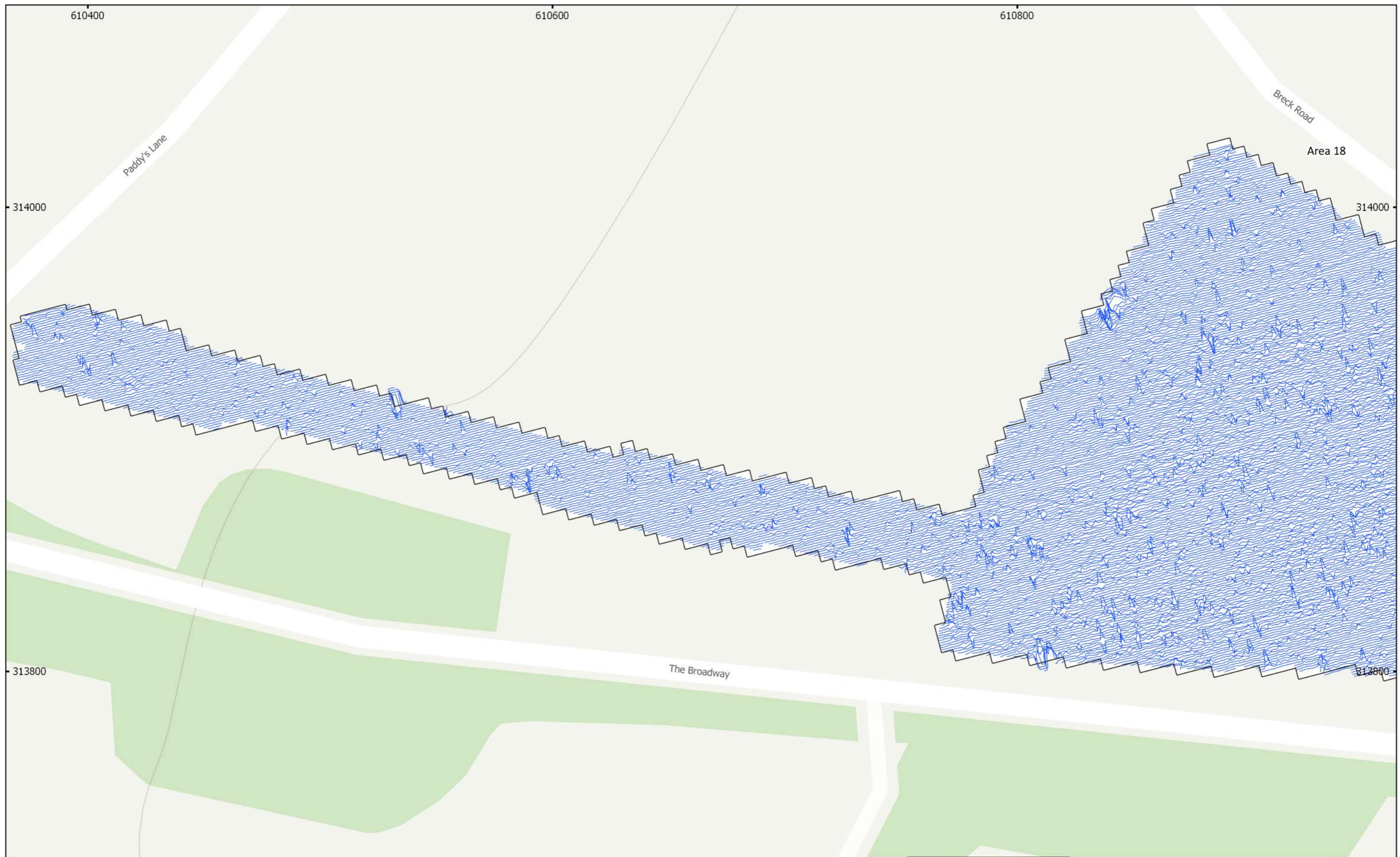


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 Figure 64 - Magnetic Interpretation (Area 18)  
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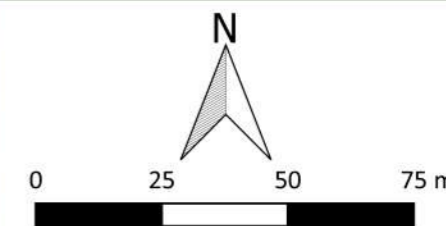
- |   |  |
|---|--|
|  Natural (Strong)      |  Undetermined (Weak)  |
|  Natural (Weak)        |  Agricultural (Trend) |
|  Magnetic Disturbance  |  Ferrous (Spike)      |
|  Undetermined (Strong) |  |







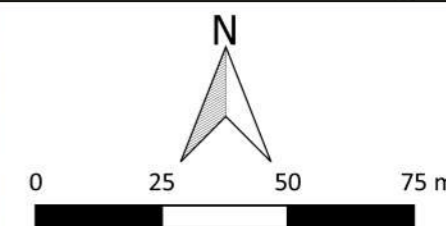
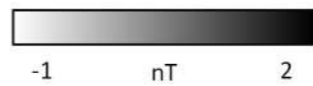
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 Figure 65 - XY Trace Plot (Area 18)  
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 Figure 66 - Magnetic Gradient (Areas 19 & 20)  
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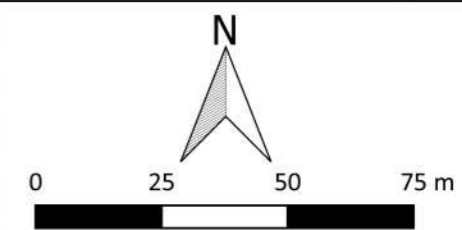




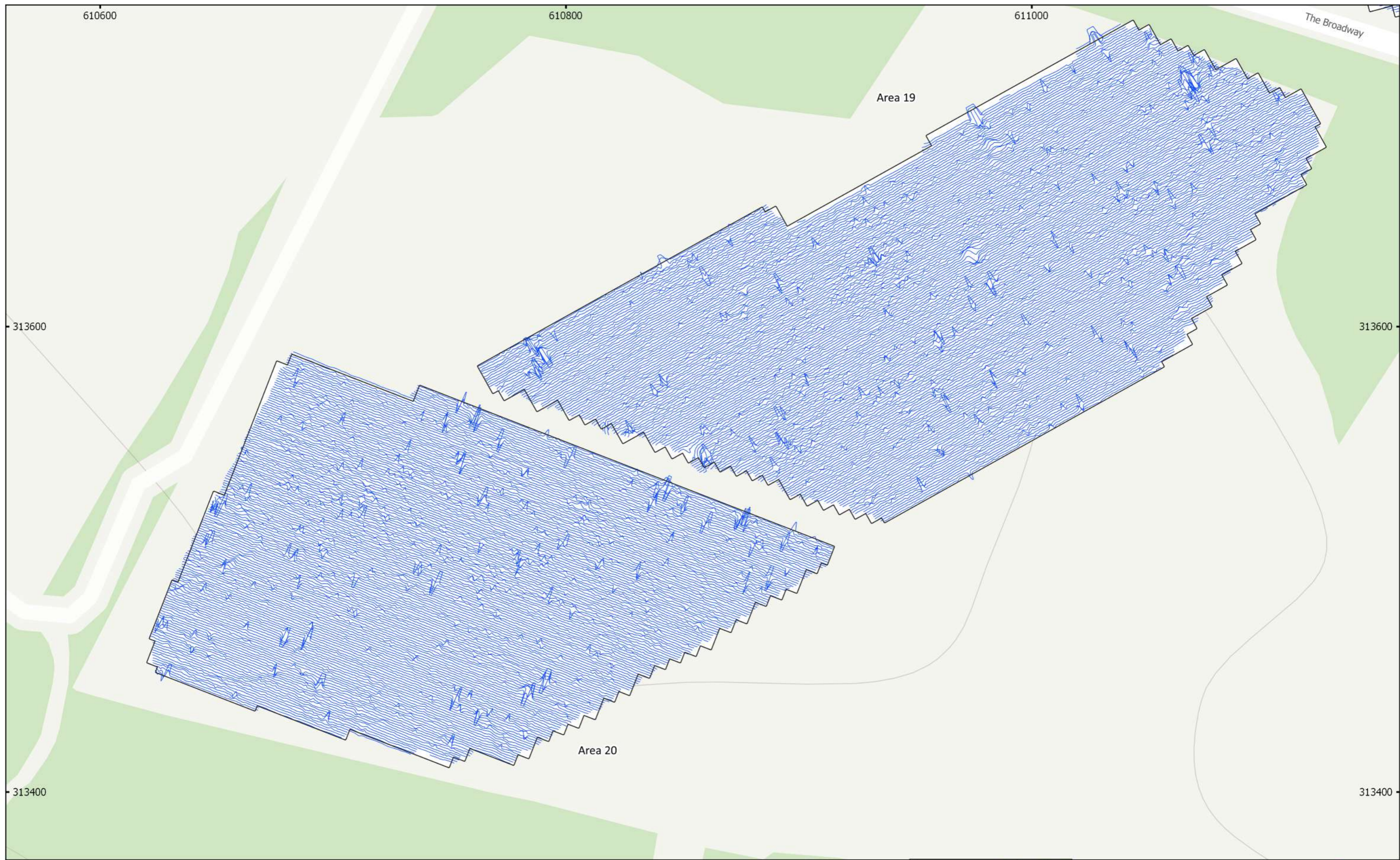


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 Figure 67 - Magnetic Interpretation (Areas 19 & 20)  
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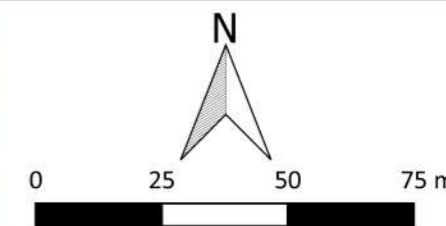
- |   |  |
|---|--|
| <span style="color: red;">■</span> Archaeology Probable (Strong)      | <span style="background-color: lightgrey;">■</span> Magnetic Disturbance |
| <span style="color: lightcoral;">■</span> Archaeology Probable (Weak) | <span style="background-color: teal;">■</span> Undetermined (Strong)     |
| <span style="color: orange;">■</span> Archaeology Possible (Weak)     | <span style="background-color: darkgreen;">■</span> Possible Burnt/Fired |
| <span style="background-color: olive;">■</span> Natural (Strong)      | <span style="color: brown;">—</span> Agricultural (Trend)                |
| <span style="background-color: lightgreen;">■</span> Natural (Weak)   | <span style="color: black;">•</span> Ferrous (Spike)                     |







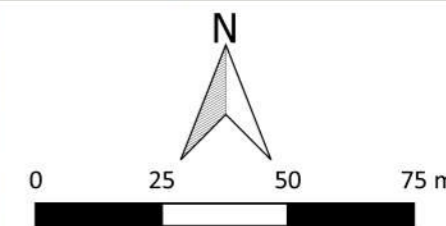
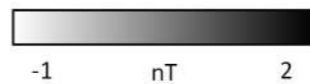
MSTG746 - Norwich Western Link  
 Figure 68 - XY Trace Plot (Areas 19 & 20)  
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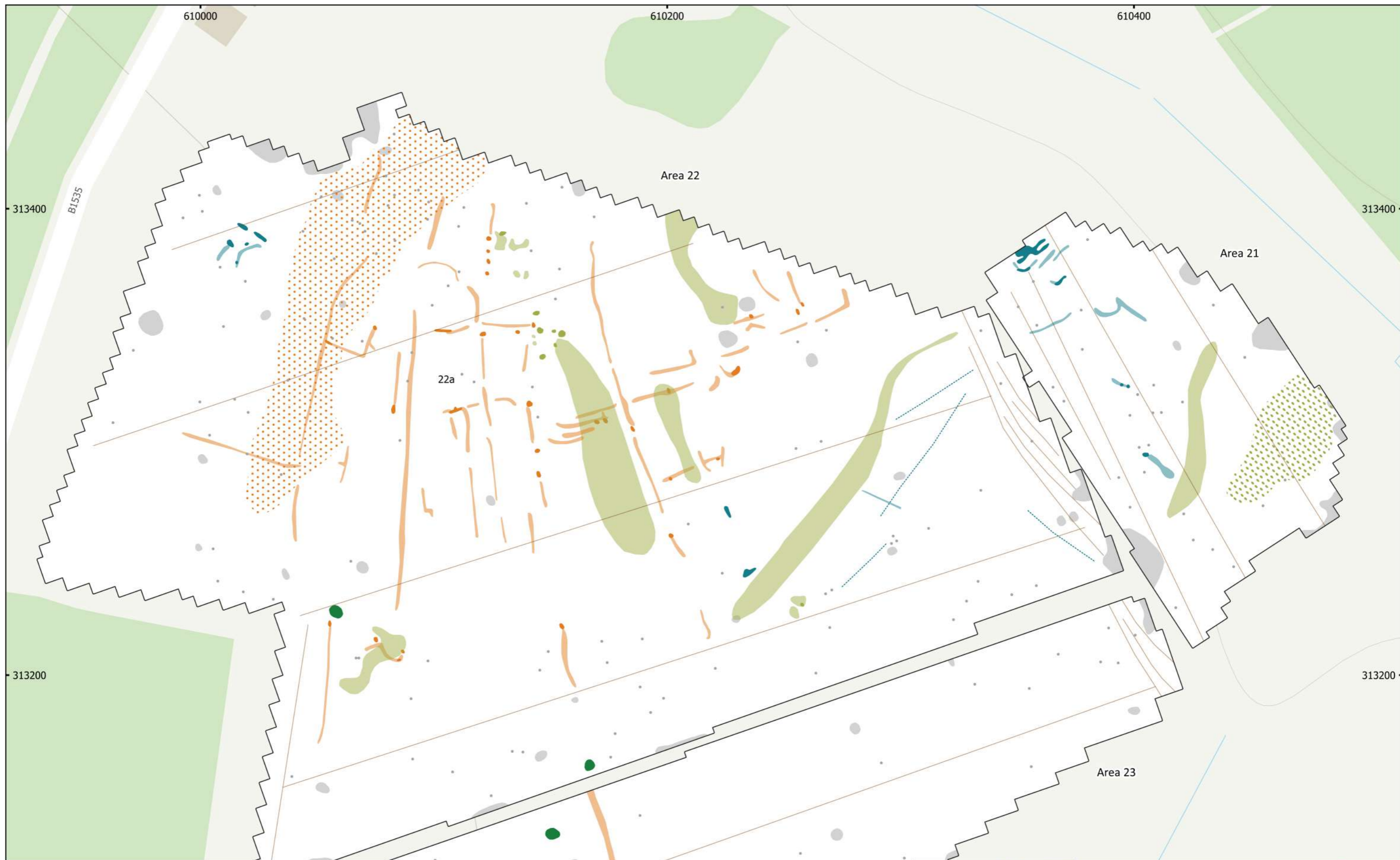




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 Figure 69 - Magnetic Gradient (Areas 21, 22 & 23)  
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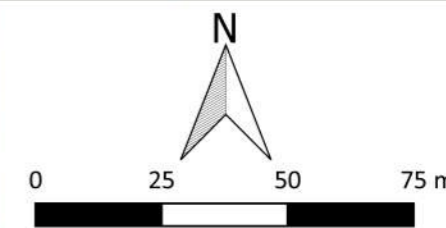




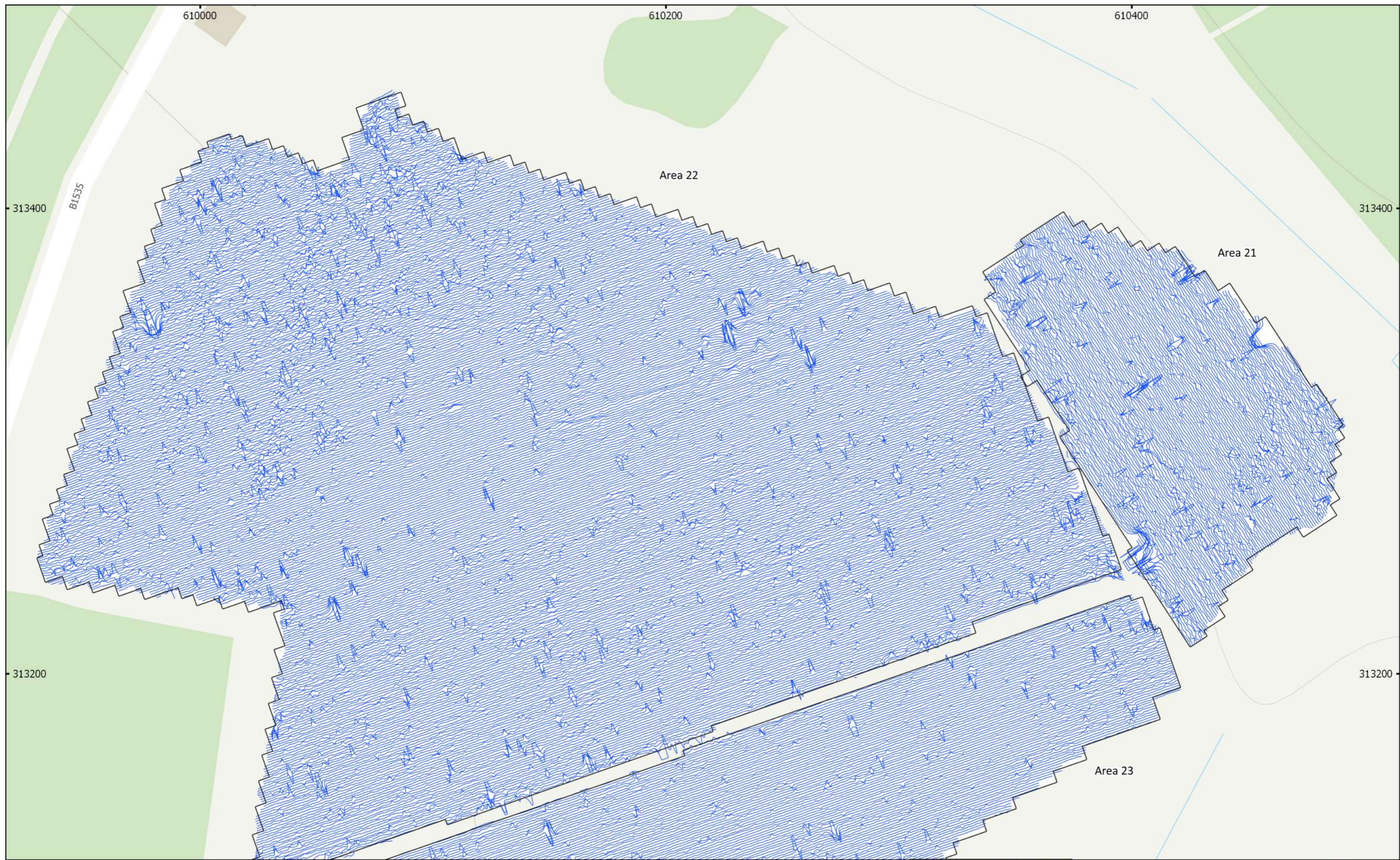


MSTG746 - Norwich Western Link  
 Figure 70 - Magnetic Interpretation (Areas 21, 22 & 23)  
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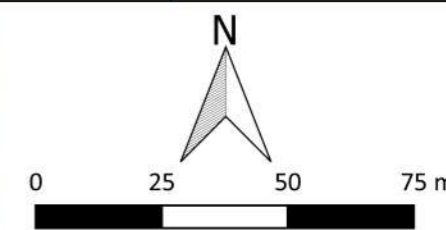
- |                               |                       |
|-------------------------------|-----------------------|
| Archaeology Possible (Strong) | Undetermined (Strong) |
| Archaeology Possible (Weak)   | Undetermined (Weak)   |
| Archaeology Possible (Spread) | Possible Burnt/Fired  |
| Natural (Strong)              | Agricultural (Trend)  |
| Natural (Weak)                | Undetermined (Trend)  |
| Natural (Zone)                | Ferrous (Spike)       |
| Magnetic Disturbance          |                       |







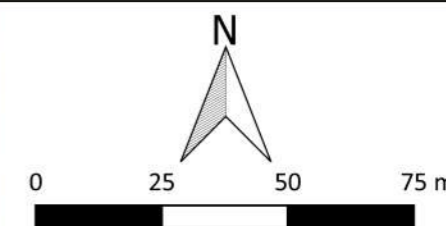
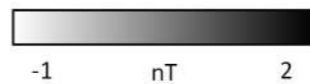
MSTG746 - Norwich Western Link  
 Figure 71 - XY Trace Plot (Areas 21, 22 & 23)  
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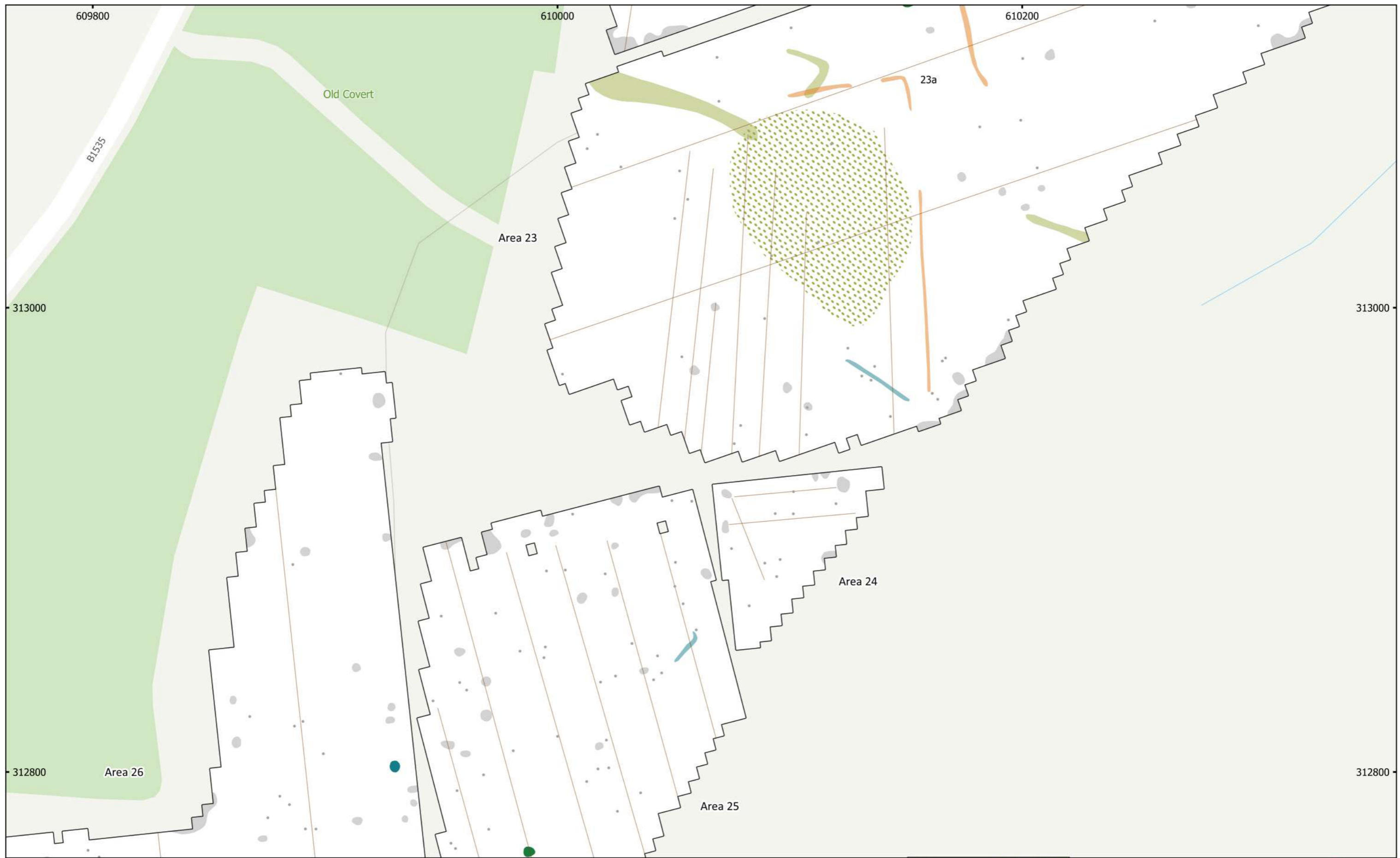




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 Figure 72 - Magnetic Gradient (Areas 23, 24, 25 & 26)  
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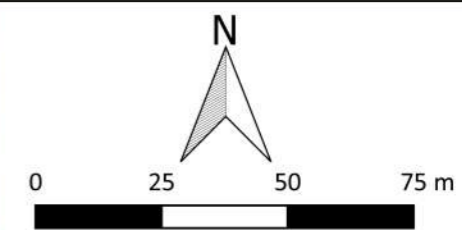




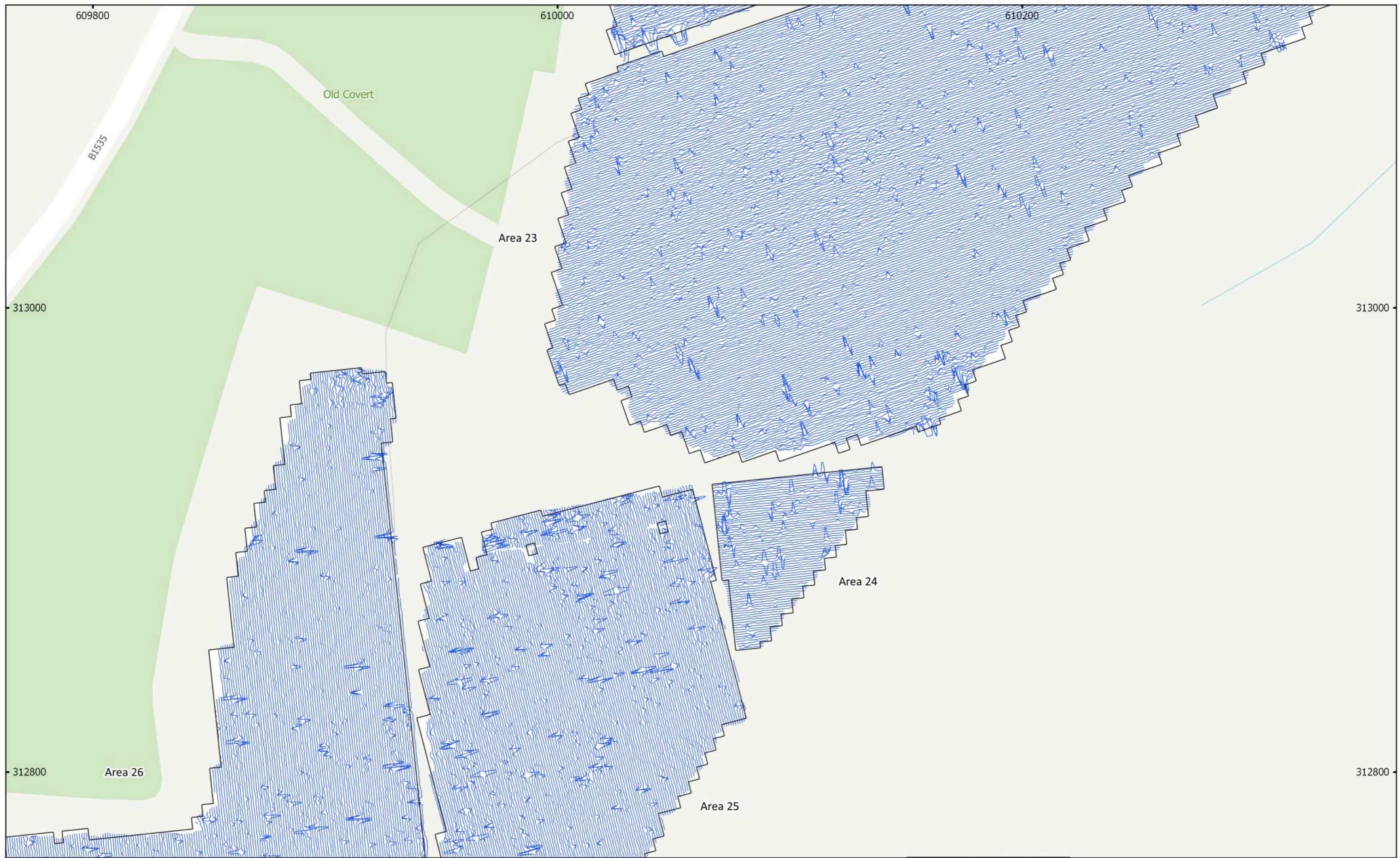


MSTG746 - Norwich Western Link  
 Figure 73 - Magnetic Interpretation (Areas 23, 24, 25 & 26)  
 1:1,500 @ A3  
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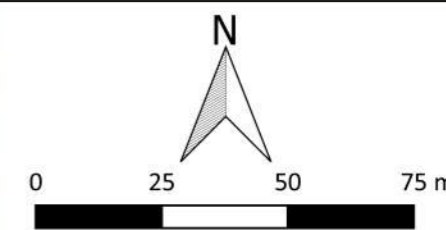
- |                             |                      |
|-----------------------------|----------------------|
| Archaeology Possible (Weak) | Undetermined (Weak)  |
| Natural (Weak)              | Possible Burnt/Fired |
| Natural (Zone)              | Agricultural (Trend) |
| Magnetic Disturbance        | Ferrous (Spike)      |
| Undetermined (Strong)       |                      |







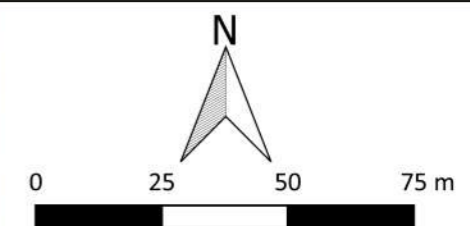
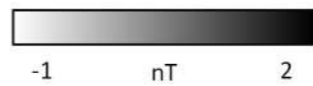
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 Figure 74 - XY Trace Plot (Areas 23, 24, 25 & 26)  
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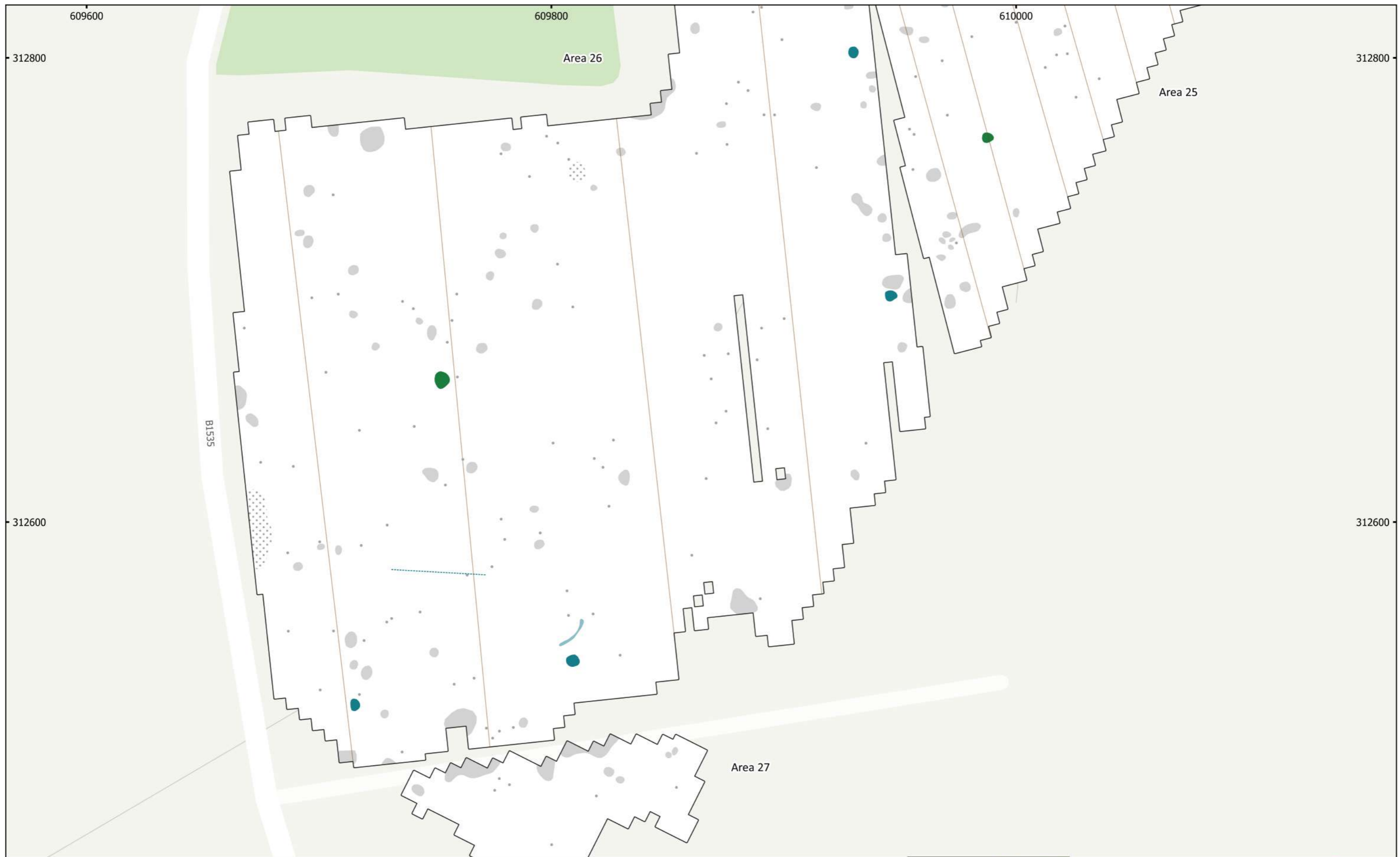




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 Figure 75 - Magnetic Gradient (Areas 25 & 26)  
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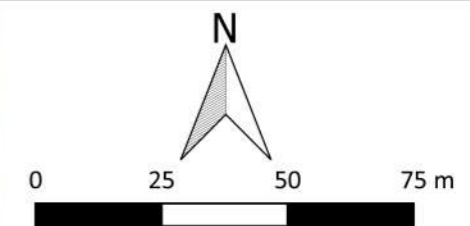




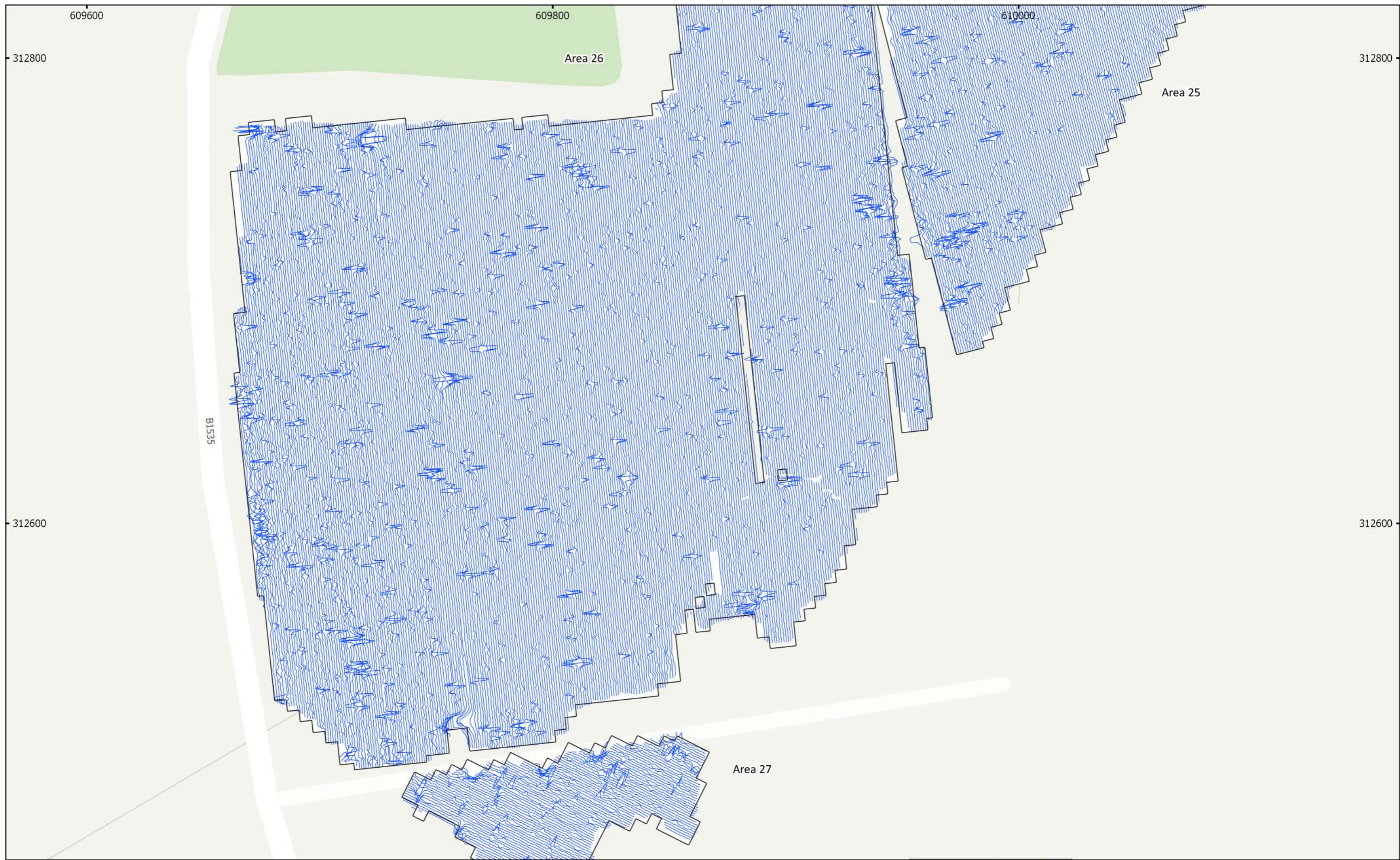


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 Figure 76 - Magnetic Interpretation (Areas 25 & 26)  
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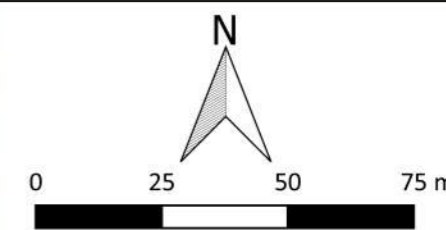
- |                           |                          |
|---------------------------|--------------------------|
| ■ Magnetic Disturbance    | ■ Possible Burnt/Fired   |
| ● Ferrous/Debris (Spread) | — Agricultural (Trend)   |
| ■ Undetermined (Strong)   | --- Undetermined (Trend) |
| ■ Undetermined (Weak)     | • Ferrous (Spike)        |







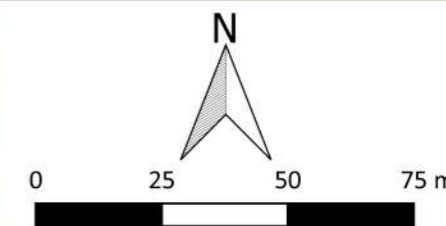
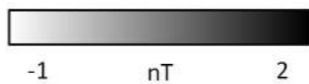
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 Figure 77 - XY Trace Plot (Areas 25 & 26)  
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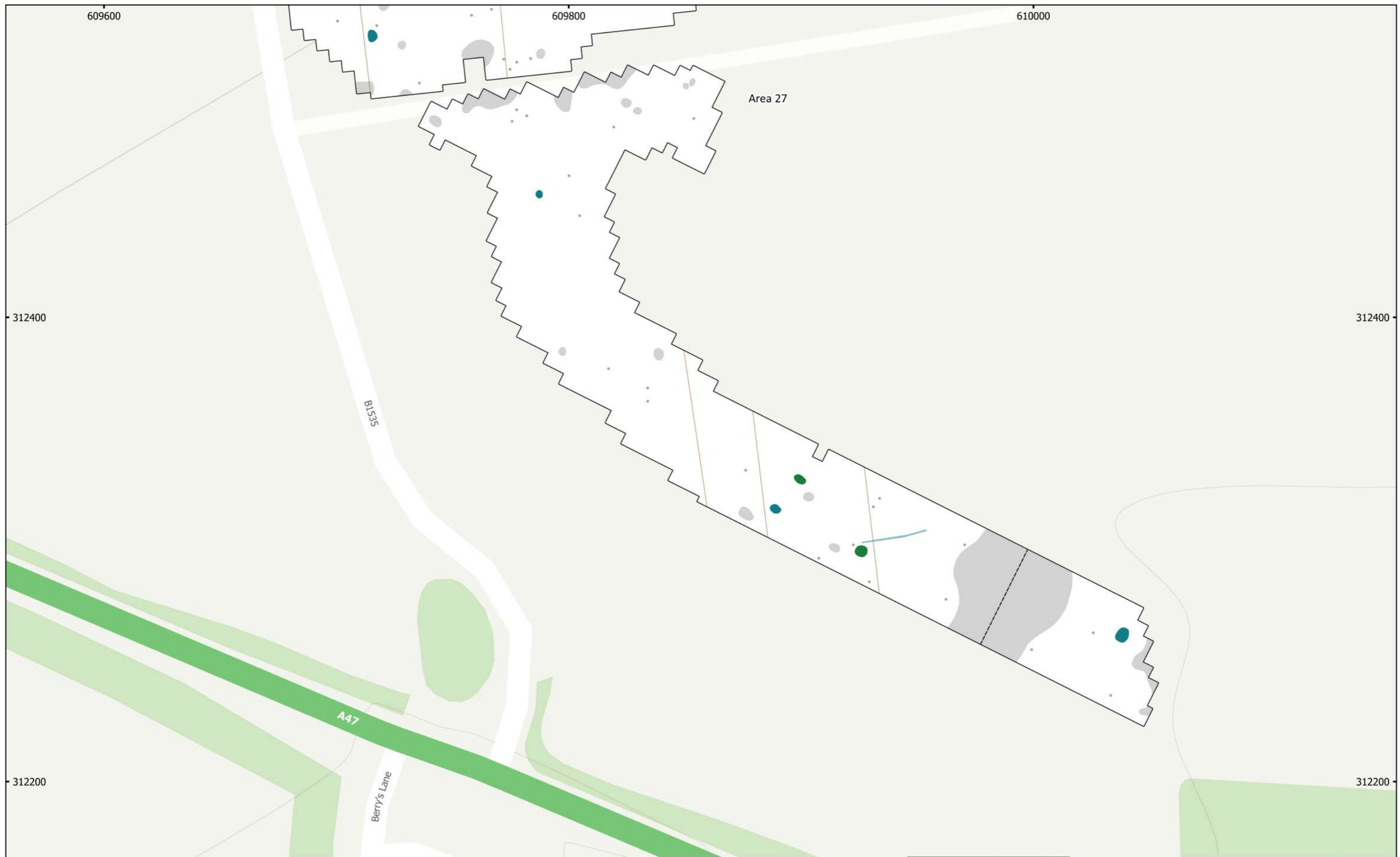











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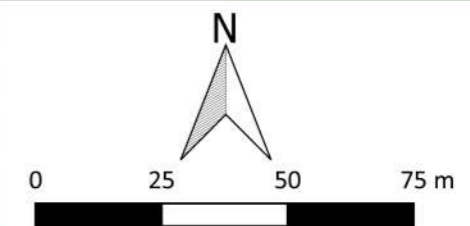






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- |   |  |
|---|--|
|  Magnetic Disturbance  |  Agricultural (Trend) |
|  Undetermined (Strong) |  Service              |
|  Undetermined (Weak)   |  Ferrous (Spike)      |
|  Possible Burnt/Fired  |  |







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