



Norwich Western Link

Environmental Statement Chapter

8: Cultural Heritage

Appendix 2: Geophysical Survey

Report (Magnitude Surveys 2021)

Part 2 of 3

Author: WSP

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Contents

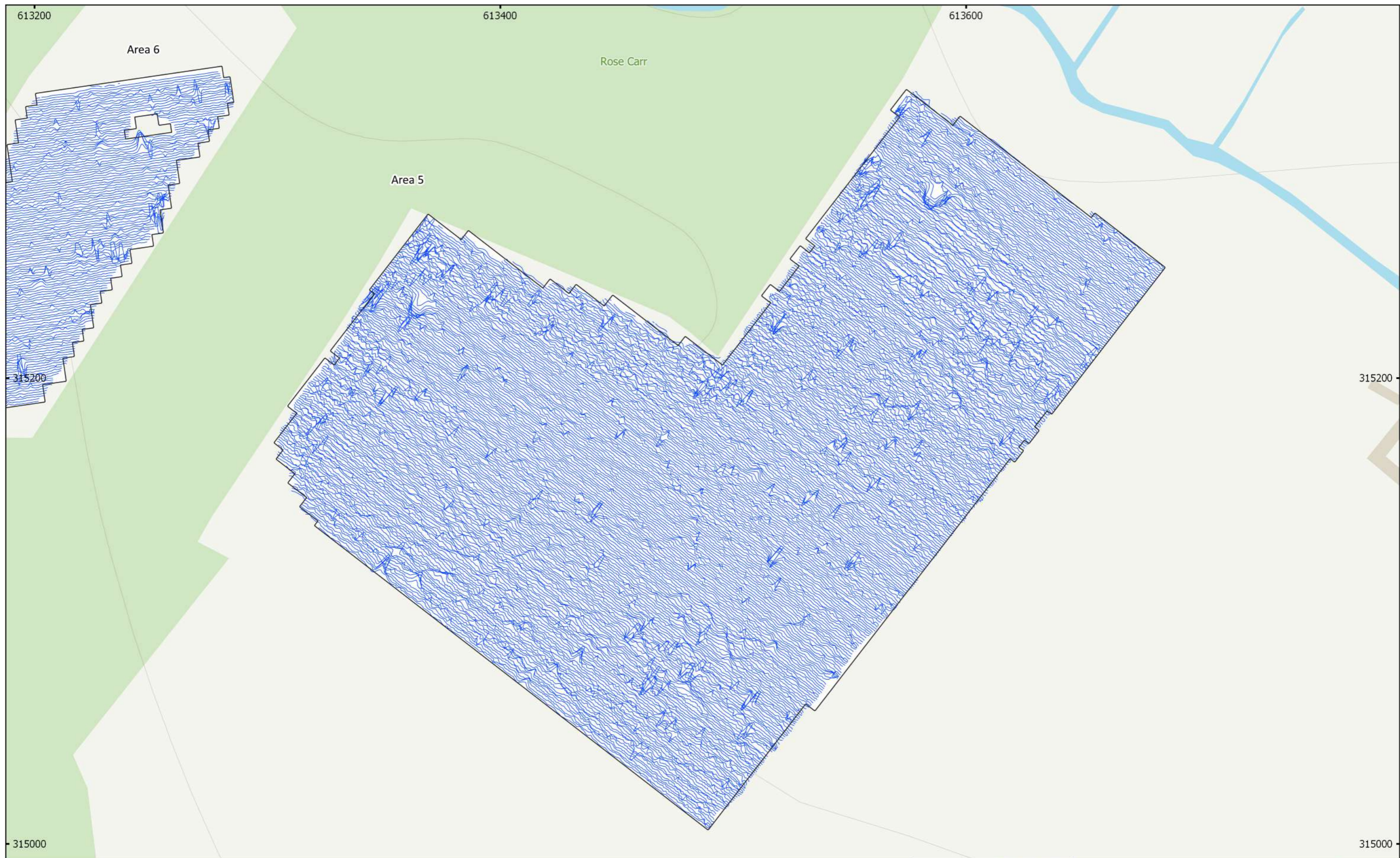
1 Introduction

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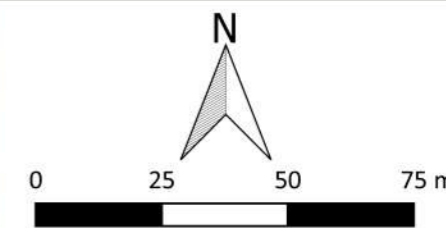


1 Introduction

- 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

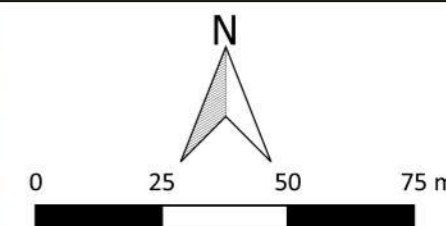
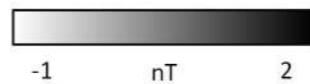


MSTG746 - Norwich Western Link
 Figure 35 - XY Trace Plot (Areas 5 & 6)
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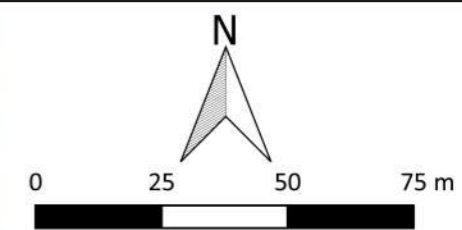
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 Figure 36 - Magnetic Gradient (Areas 5 & 6)
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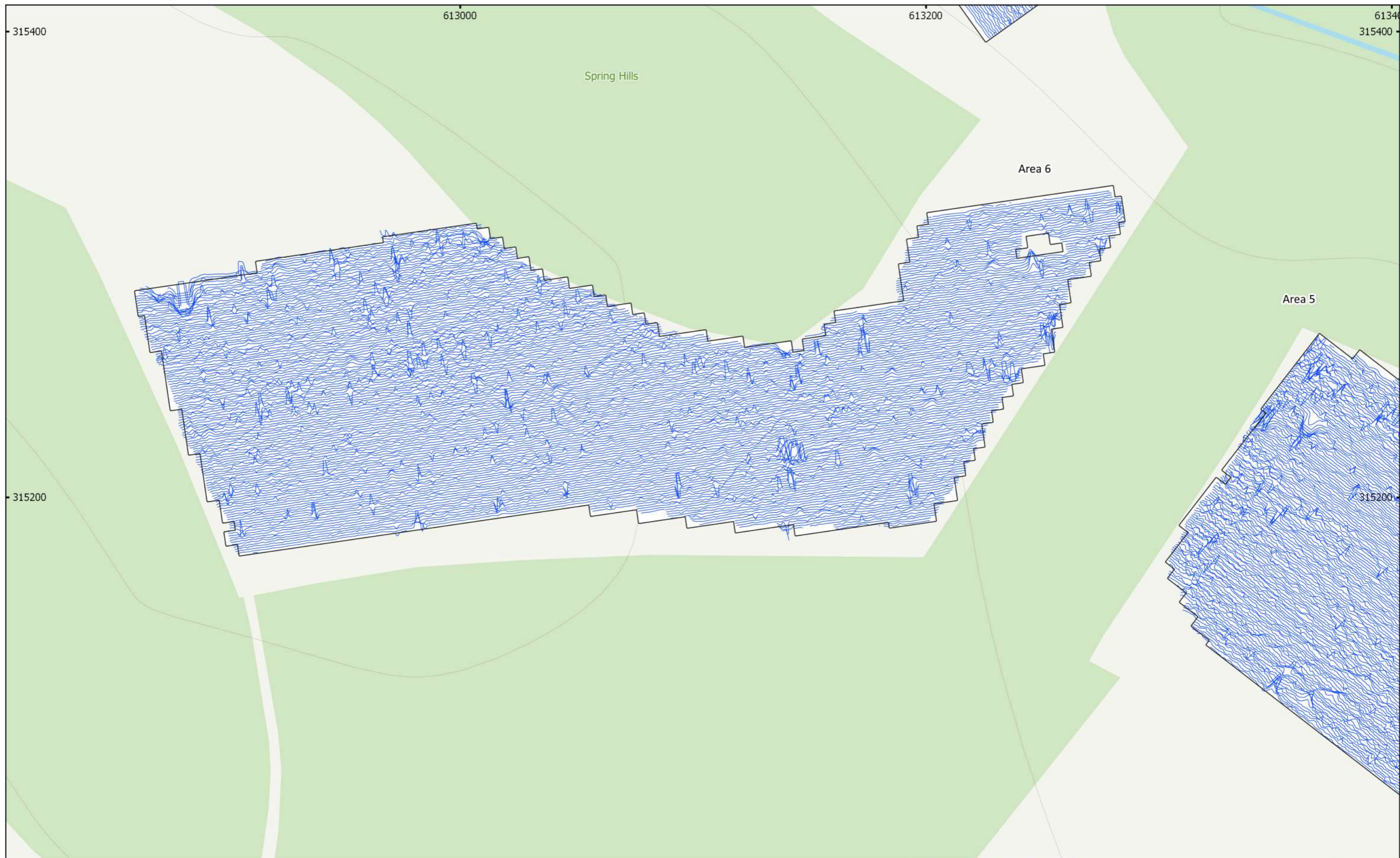




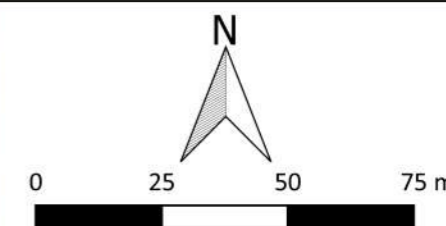
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 Figure 37 - Magnetic Interpretation (Areas 5 & 6)
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- | | |
|-------------------------------|------------------------------------|
| Archaeology Possible (Strong) | Undetermined (Strong) |
| Archaeology Possible (Weak) | Undetermined (Weak) |
| Natural (Strong) | Agricultural (Trend) |
| Natural (Weak) | Undetermined (Trend) |
| Natural (Zone) | Pre-Mechanised Cultivation (Trend) |
| Magnetic Disturbance | Ferrous (Spike) |



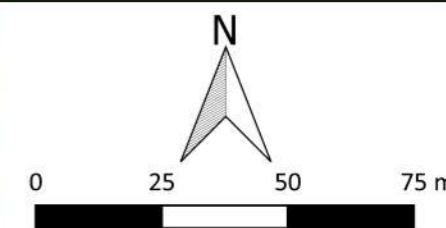


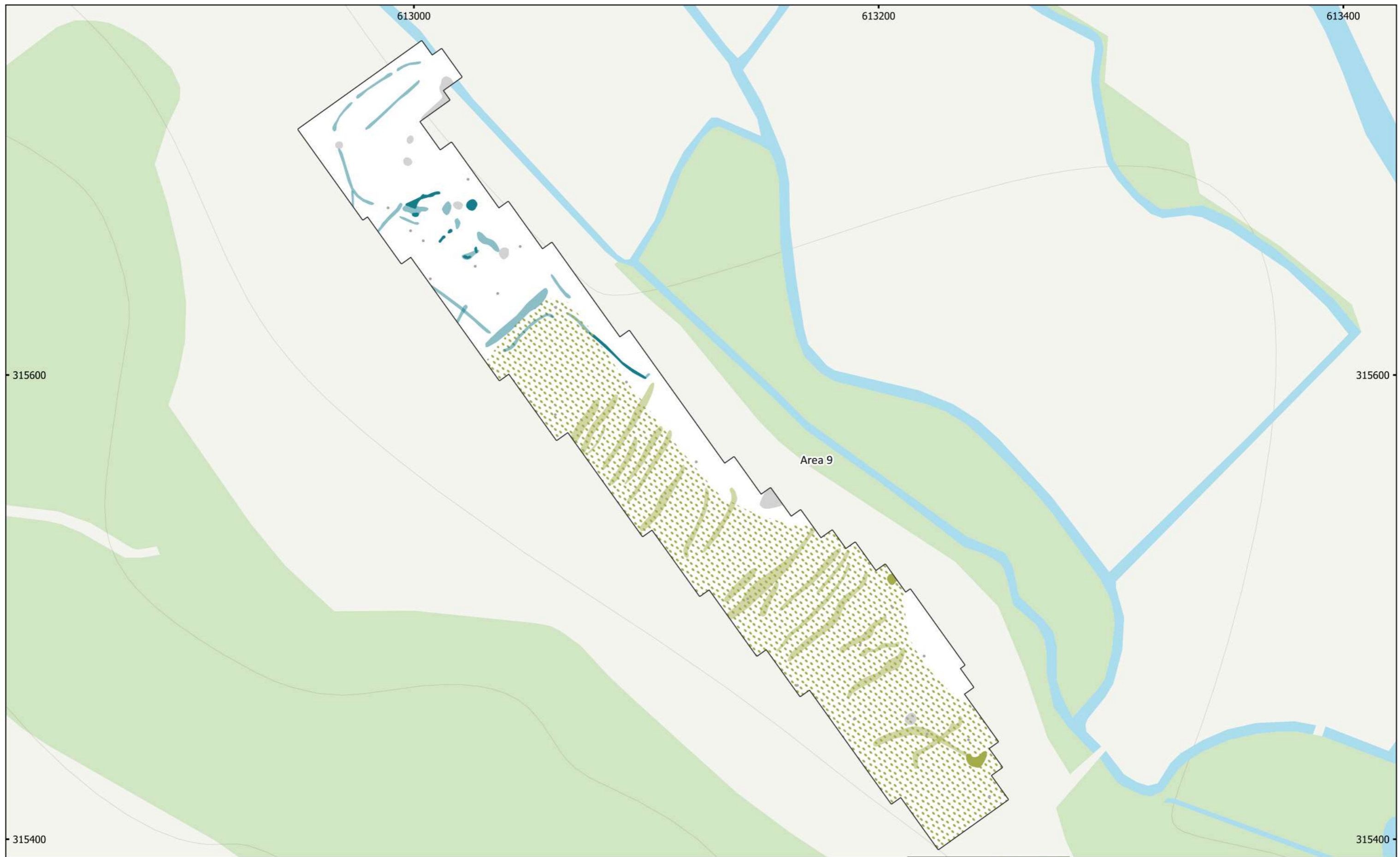
MSTG746 - Norwich Western Link
Figure 38 - XY Trace Plot (Areas 5 & 6)
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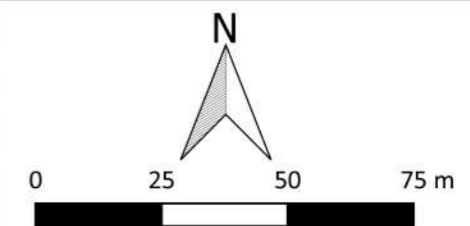
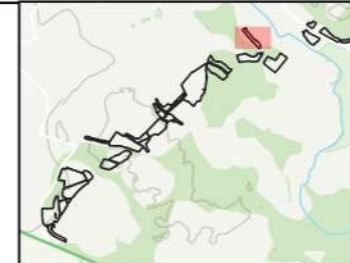
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 Figure 39 - Magnetic Gradient (Area 9)
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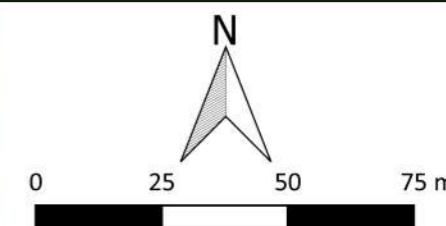
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 Figure 40 - Magnetic Interpretation (Area 9)
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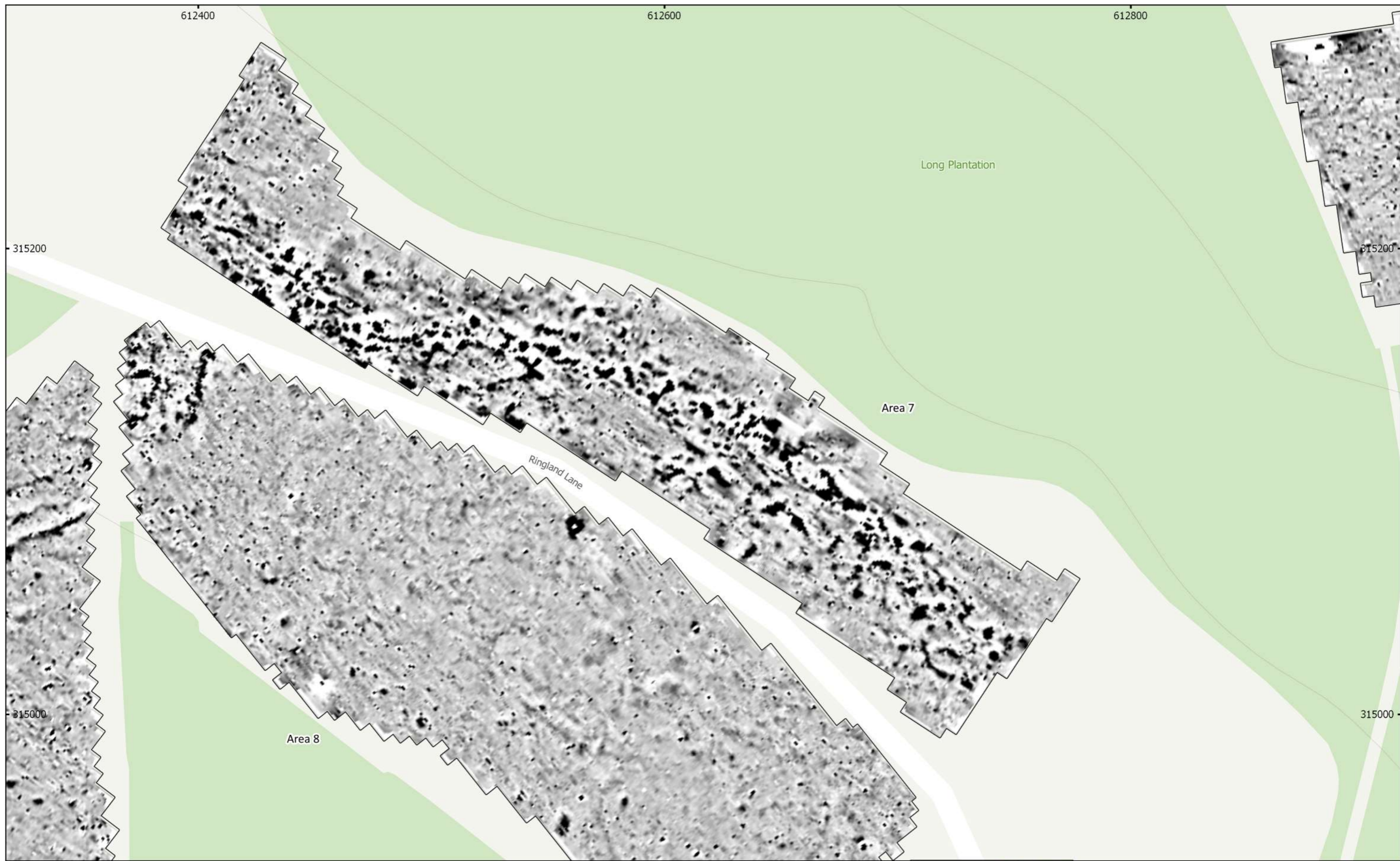
- | | |
|--|---|
|  Natural (Strong) |  Undetermined (Strong) |
|  Natural (Weak) |  Undetermined (Weak) |
|  Natural (Zone) |  Ferrous (Spike) |
|  Magnetic Disturbance | |



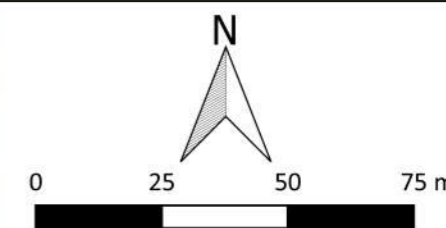
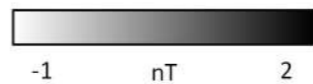


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Figure 41 - XY Trace Plot (Area 9)
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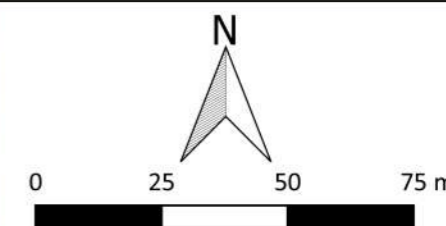
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 Figure 42 - Magnetic Gradient (Areas 7 & 8)
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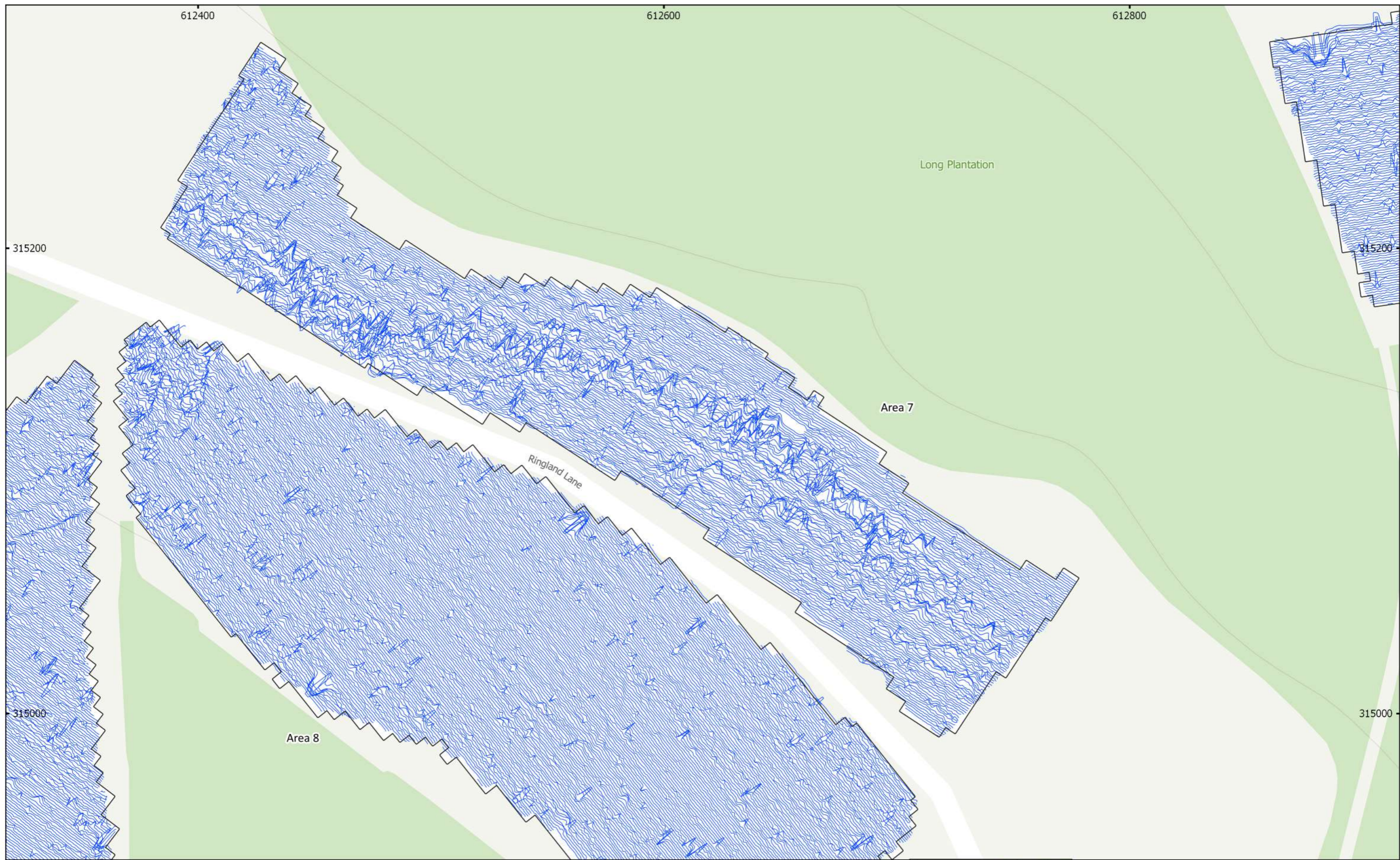




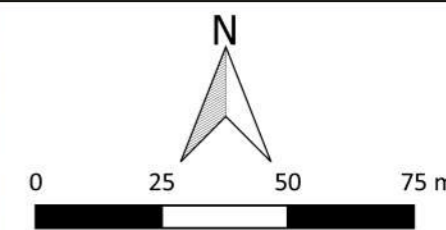
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 Figure 43 - Magnetic Interpretation (Areas 7 & 8)
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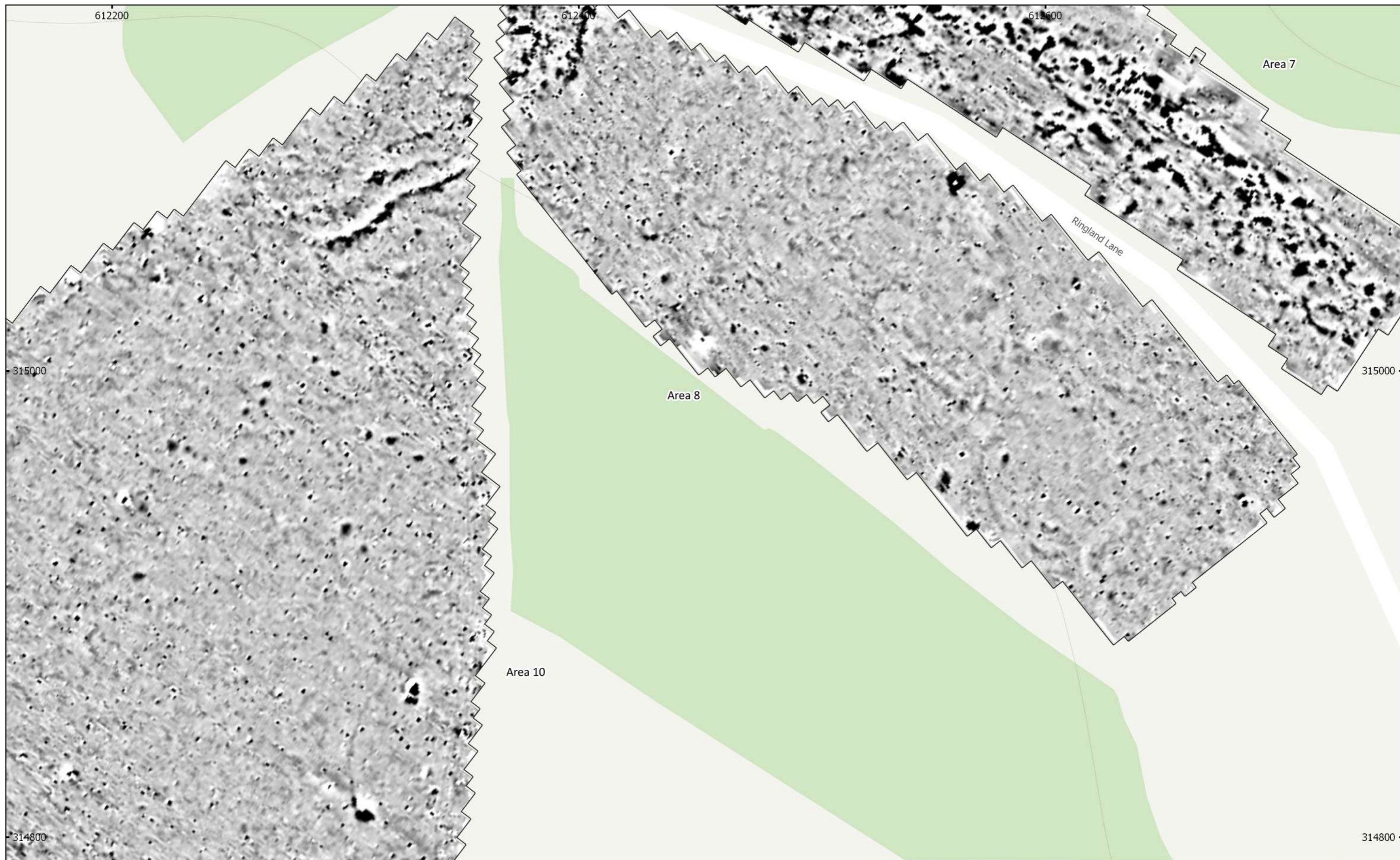
- | | |
|-----------------------------|------------------------------------|
| Archaeology Possible (Weak) | Possible Burnt/Fired |
| Natural (Strong) | Agricultural (Trend) |
| Natural (Weak) | Undetermined (Trend) |
| Natural (Zone) | Pre-Mechanised Cultivation (Trend) |
| Magnetic Disturbance | Ferrous (Spike) |
| Undetermined (Strong) | |



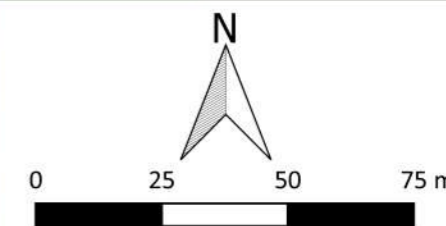


MSTG746 - Norwich Western Link
 Figure 44 - XY Trace Plot (Areas 7 & 8)
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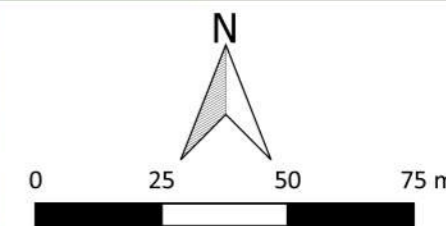
MSTG746 - Norwich Western Link
 Figure 45 - Magnetic Gradient (Areas 7 & 8)
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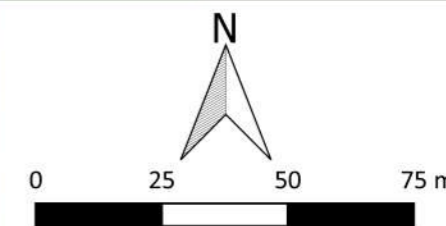
MSTG746 - Norwich Western Link
 Figure 46 - Magnetic Interpretation (Areas 7 & 8)
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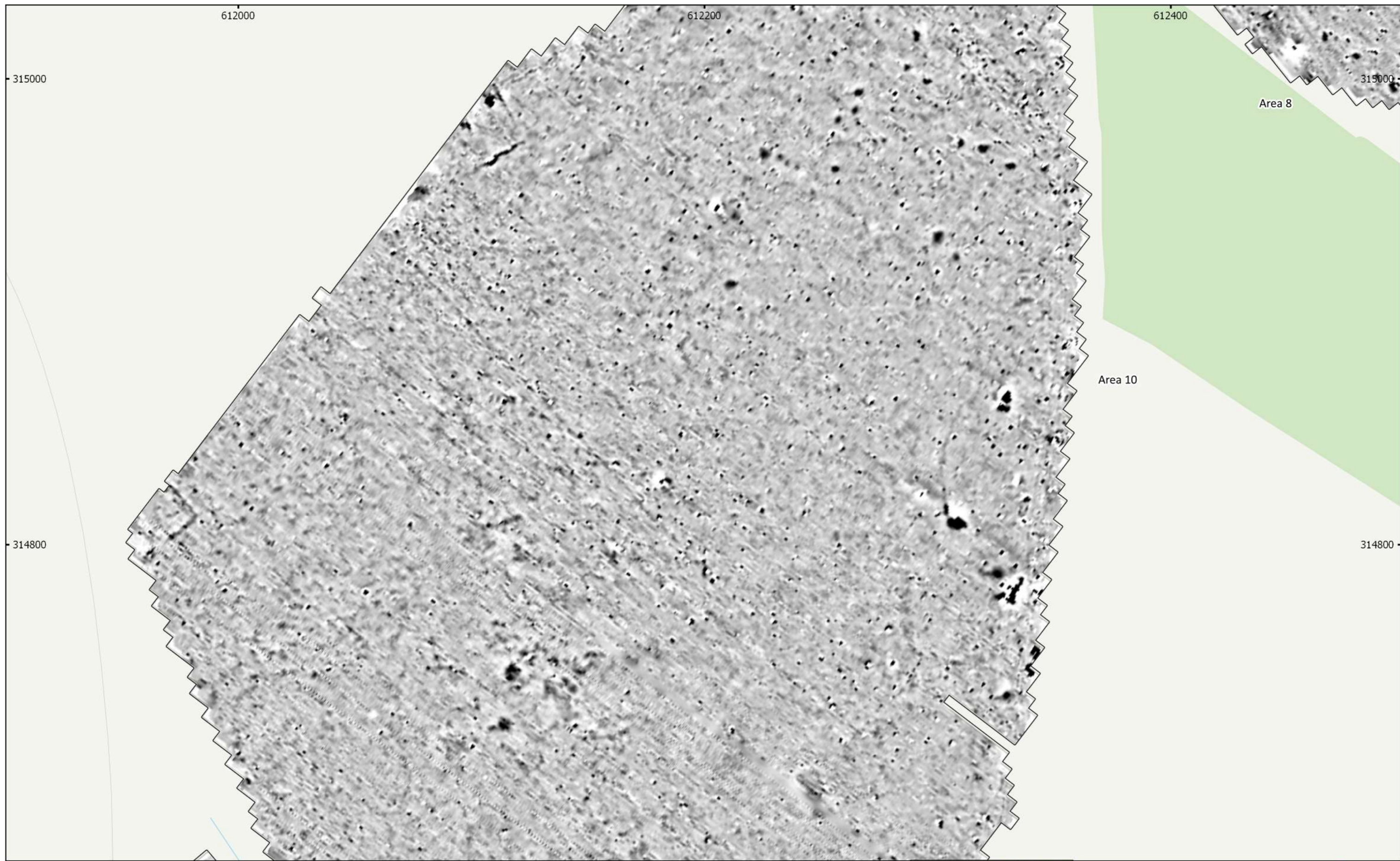
- | | |
|----------------------|-----------------------|
| Agricultural (Weak) | Undetermined (Strong) |
| Natural (Strong) | Undetermined (Weak) |
| Natural (Weak) | Possible Burnt/Fired |
| Natural (Zone) | Agricultural (Trend) |
| Magnetic Disturbance | Ferrous (Spike) |



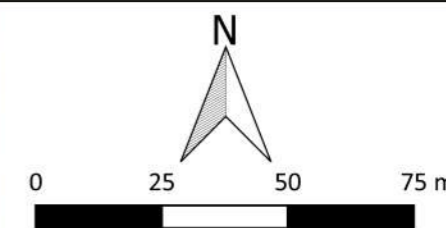
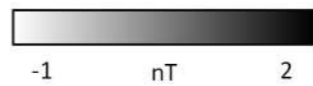


MSTG746 - Norwich Western Link
 Figure 47 - XY Trace Plot (Areas 7 & 8)
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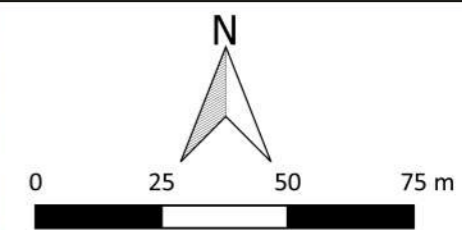
MSTG746 - Norwich Western Link
Figure 48 - Magnetic Gradient (Areas 8 & 10)
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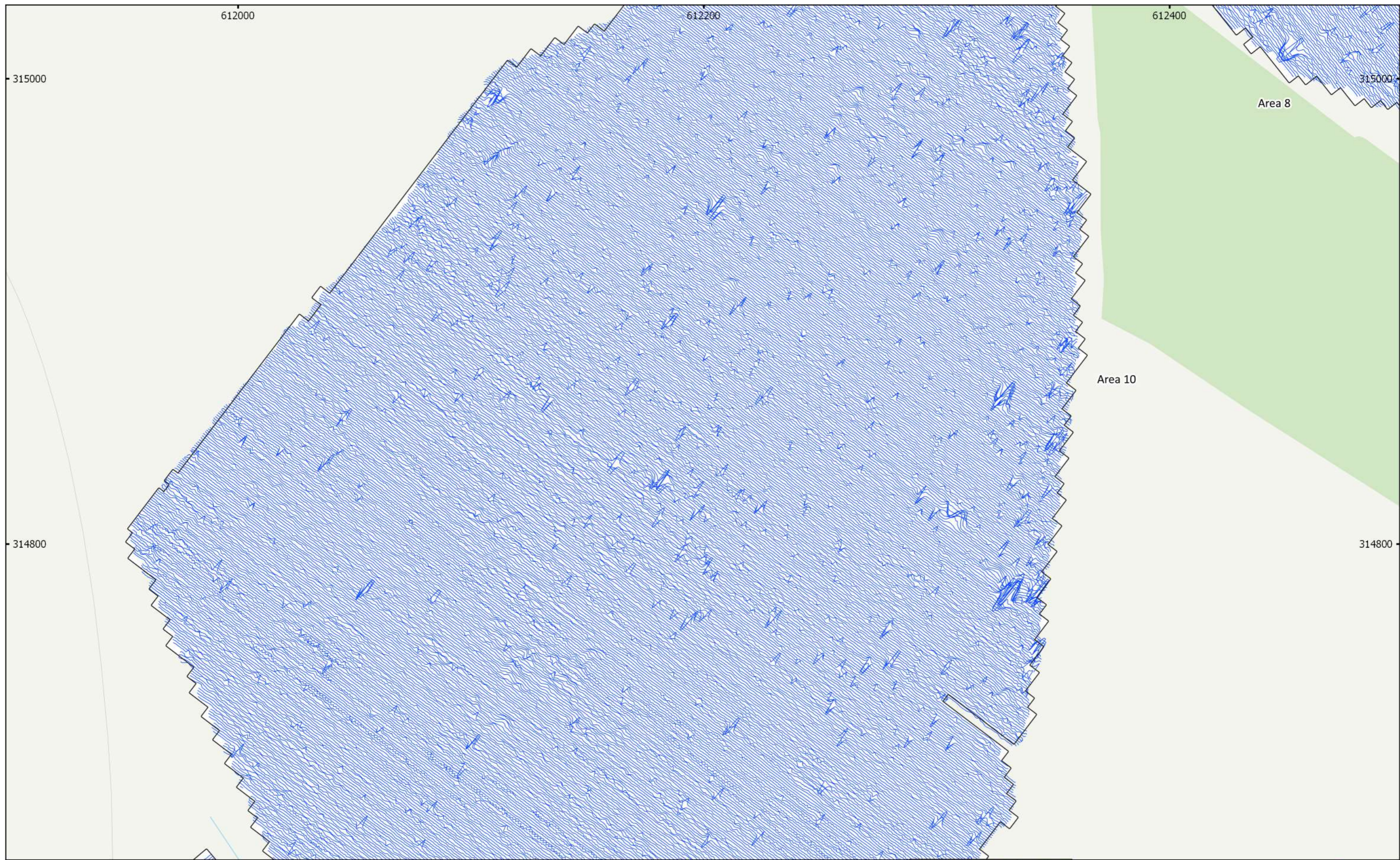




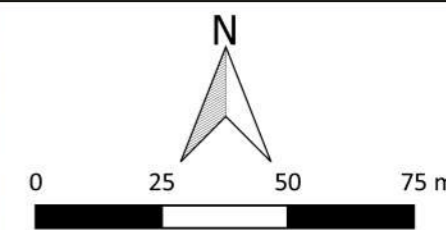
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 Figure 49 - Magnetic Interpretation (Areas 8 & 10)
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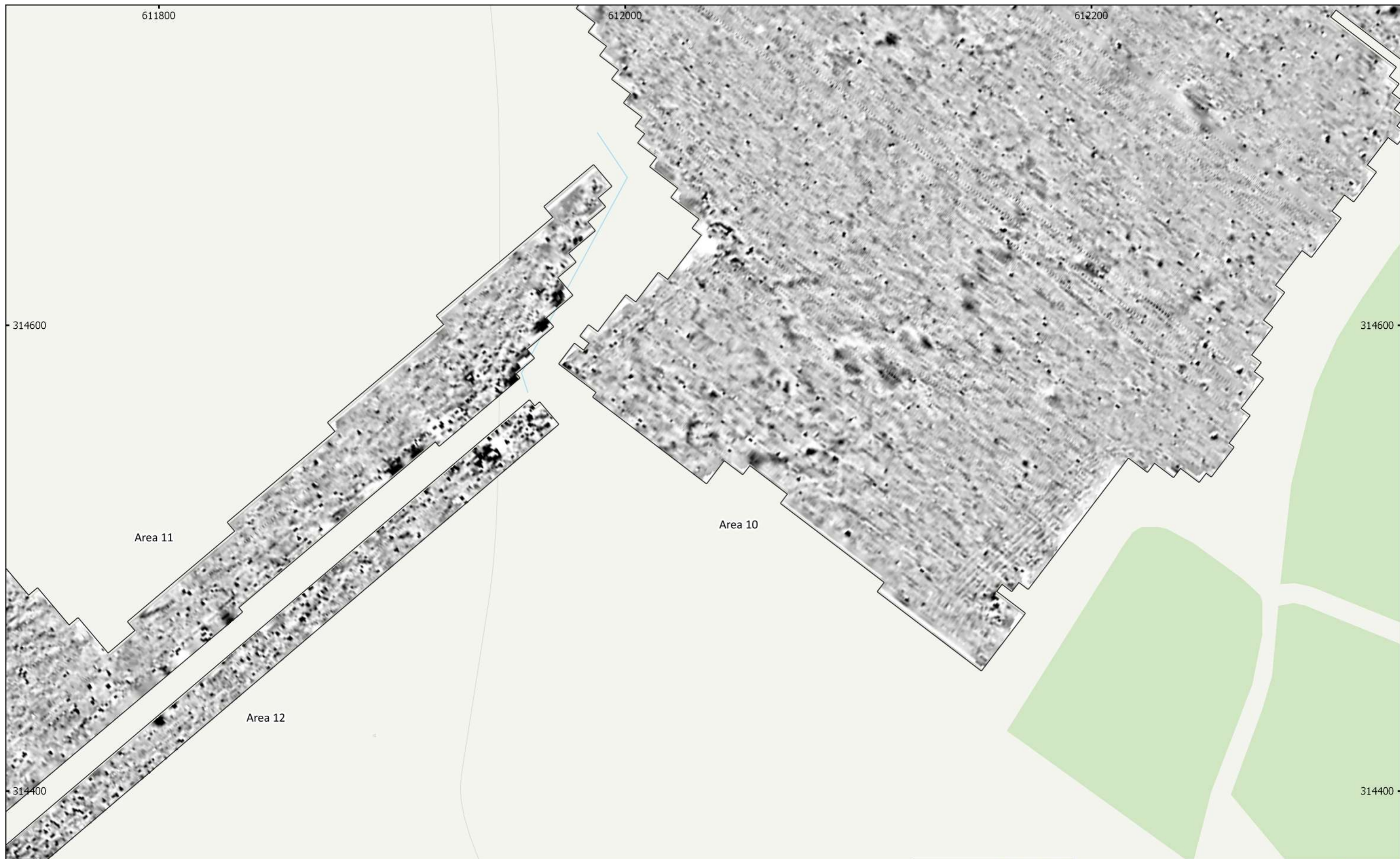
- | | |
|-------------------------------|-----------------------|
| Archaeology Possible (Strong) | Magnetic Disturbance |
| Archaeology Possible (Weak) | Undetermined (Strong) |
| Agricultural (Weak) | Undetermined (Weak) |
| Natural (Strong) | Agricultural (Trend) |
| Natural (Weak) | Ferrous (Spike) |
| Natural (Zone) | |



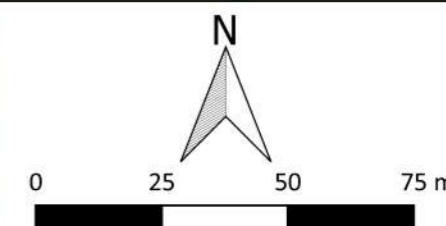
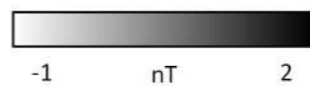


MSTG746 - Norwich Western Link
 Figure 50 - XY Trace Plot (Areas 8 & 10)
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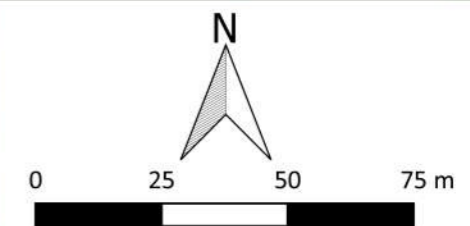
MSTG746 - Norwich Western Link
 Figure 51 - Magnetic Gradient (Areas 10, 11 & 12)
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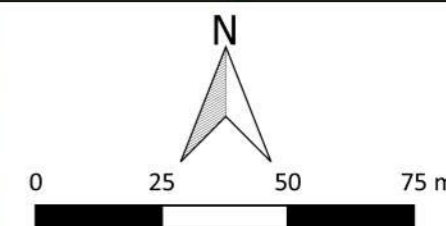
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 Figure 52 - Magnetic Interpretation (Areas 10, 11 & 12)
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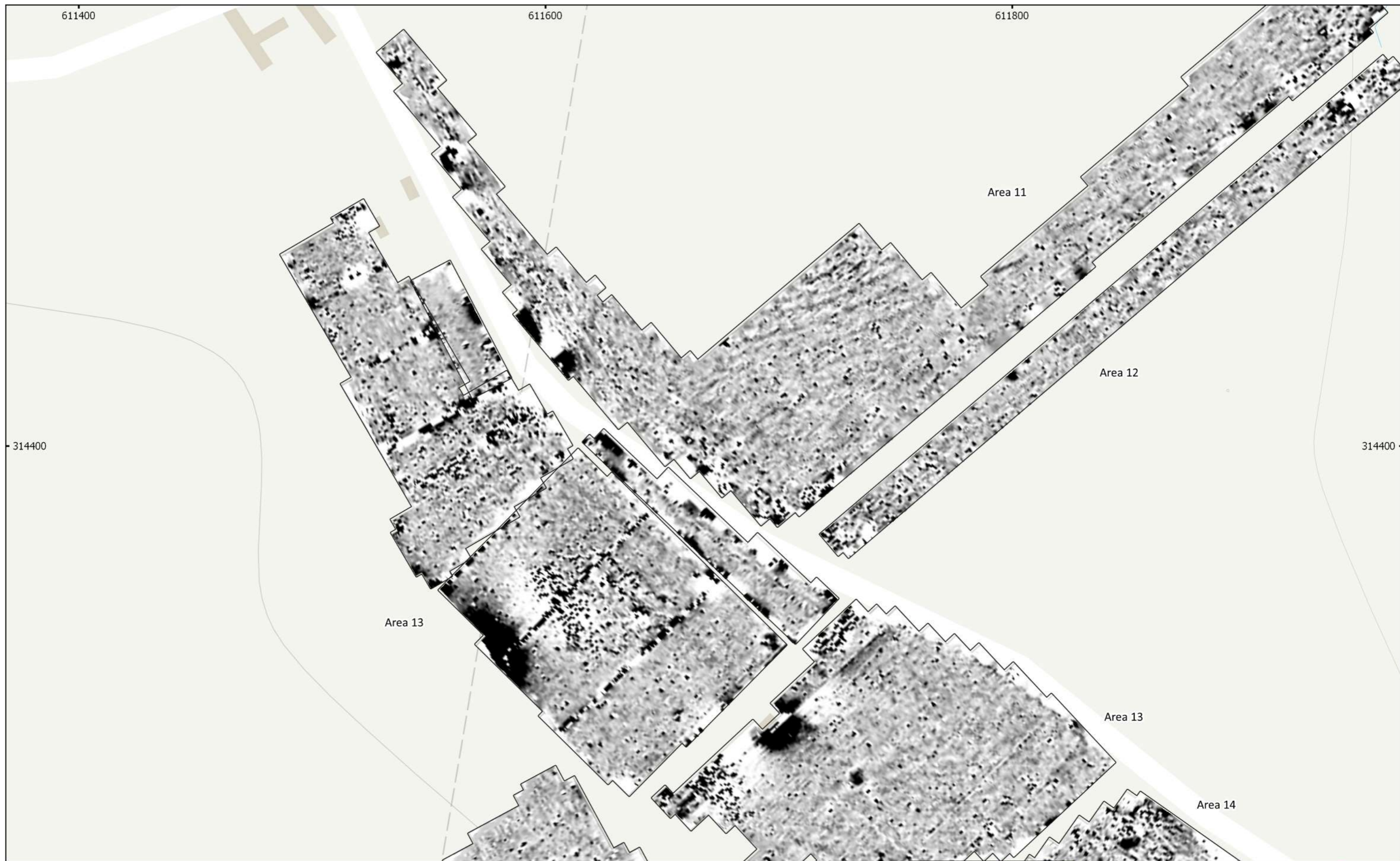
- | | |
|-------------------------|------------------------------------|
| Agricultural (Weak) | Undetermined (Strong) |
| Natural (Strong) | Undetermined (Weak) |
| Natural (Weak) | Agricultural (Trend) |
| Natural (Zone) | Pre-Mechanised Cultivation (Trend) |
| Magnetic Disturbance | Ferrous (Spike) |
| Ferrous/Debris (Spread) | |



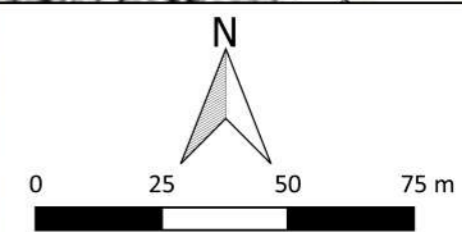
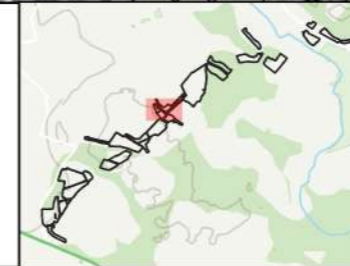
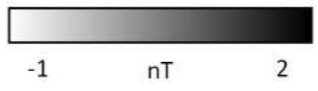


MSTG746 - Norwich Western Link
Figure 53 - XY Trace Plot (Areas 10, 11 & 12)
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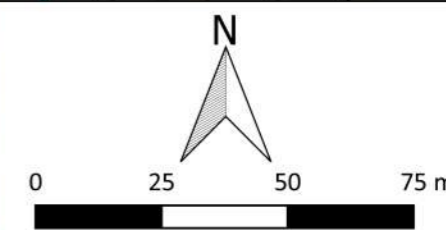
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 Figure 54 - Magnetic Gradient (Areas 11, 12, 13 & 14)
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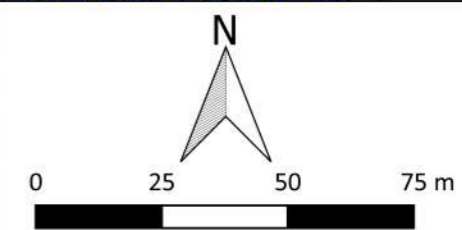
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 Figure 55 - Magnetic Interpretation (Areas 11, 12, 13 & 14)
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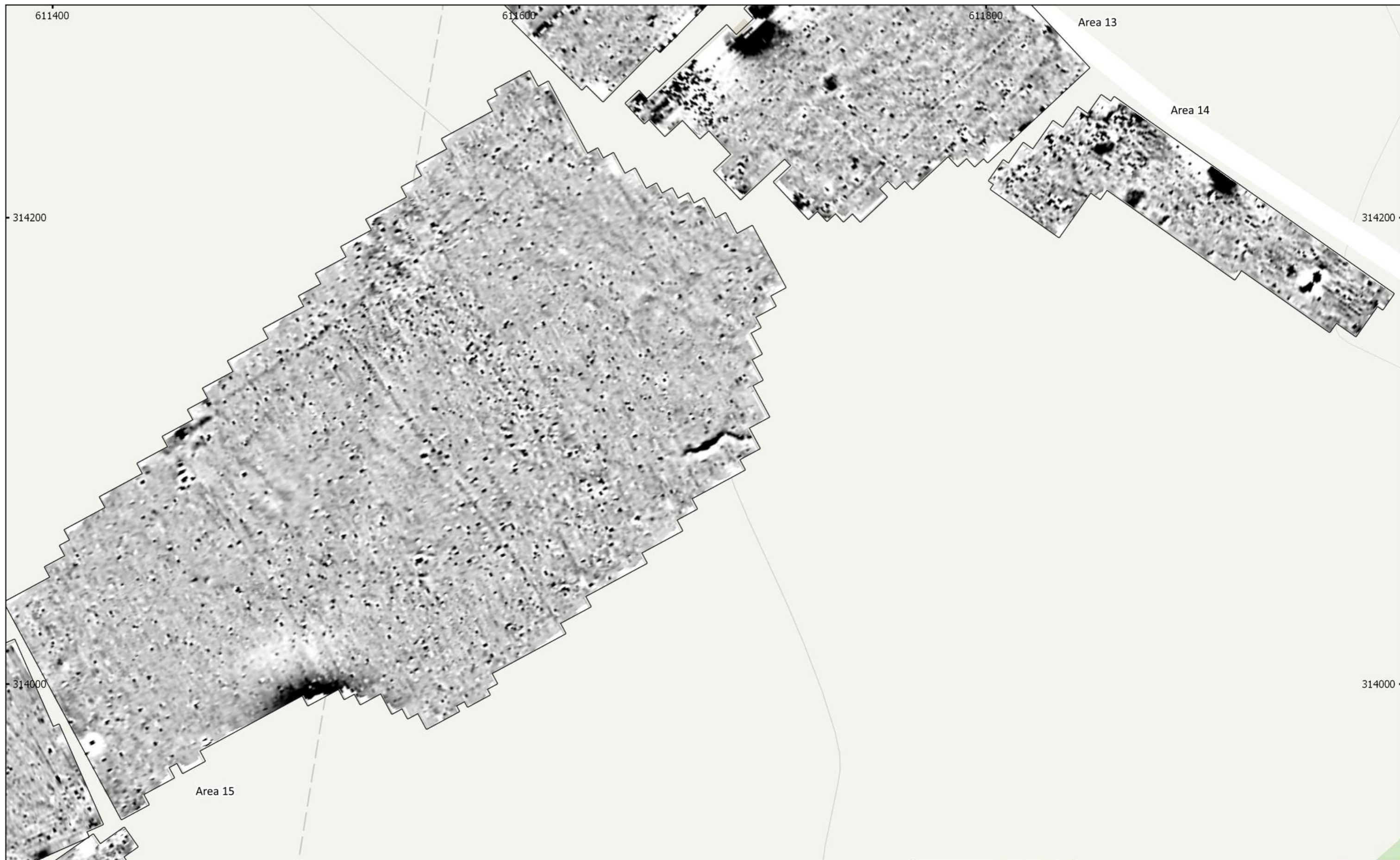
- | | |
|-------------------------|------------------------------------|
| Agricultural (Strong) | Undetermined (Strong) |
| Agricultural (Weak) | Undetermined (Weak) |
| Natural (Weak) | Agricultural (Trend) |
| Magnetic Disturbance | Pre-Mechanised Cultivation (Trend) |
| Ferrous/Debris (Spread) | Ferrous (Spike) |



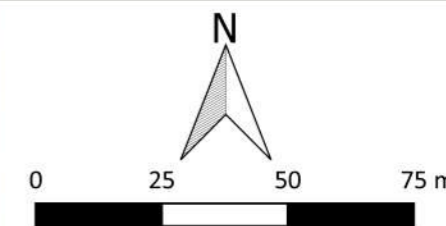
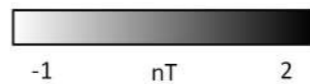


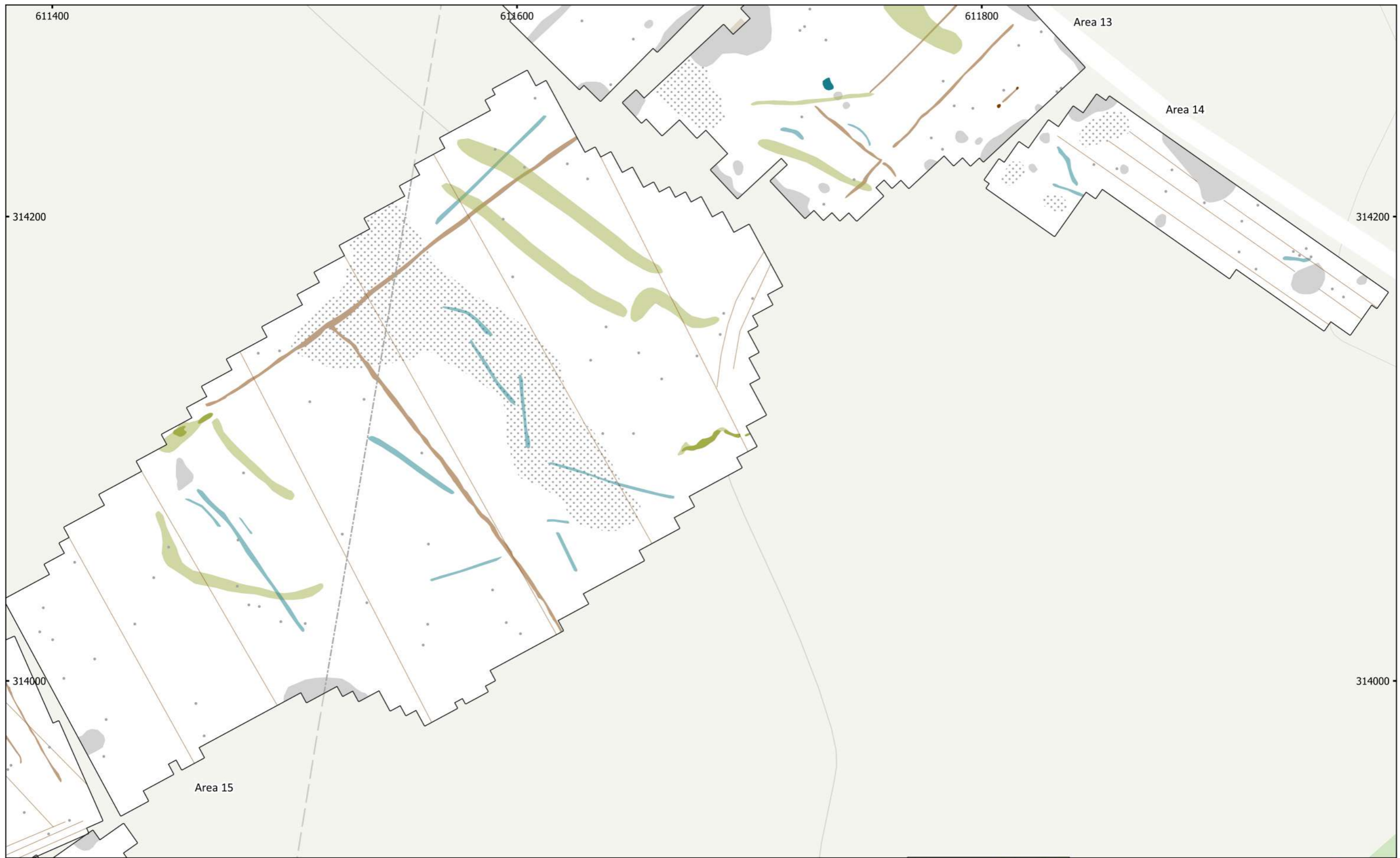
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Figure 56 - XY Trace Plot (Areas 11, 12, 13 & 14)
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- | | |
|-------------------------|-----------------------|
| Agricultural (Strong) | Undetermined (Strong) |
| Agricultural (Weak) | Undetermined (Weak) |
| Natural (Strong) | Agricultural (Trend) |
| Natural (Weak) | Overhead Cable |
| Magnetic Disturbance | Ferrous (Spike) |
| Ferrous/Debris (Spread) | |

