



# Longfield Solar Farm

Environmental Statement PINS Ref: EN010118

Volume 2

Appendix 7C: Geophysical Survey

PART 3 OF 5

Document Reference EN010118/APP/6.2

Revision Number: 1.0

February 2022

Longfield Solar Farm Ltd

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure)  
Regulations 2009

Prepared for:

Longfield Solar Farm Ltd

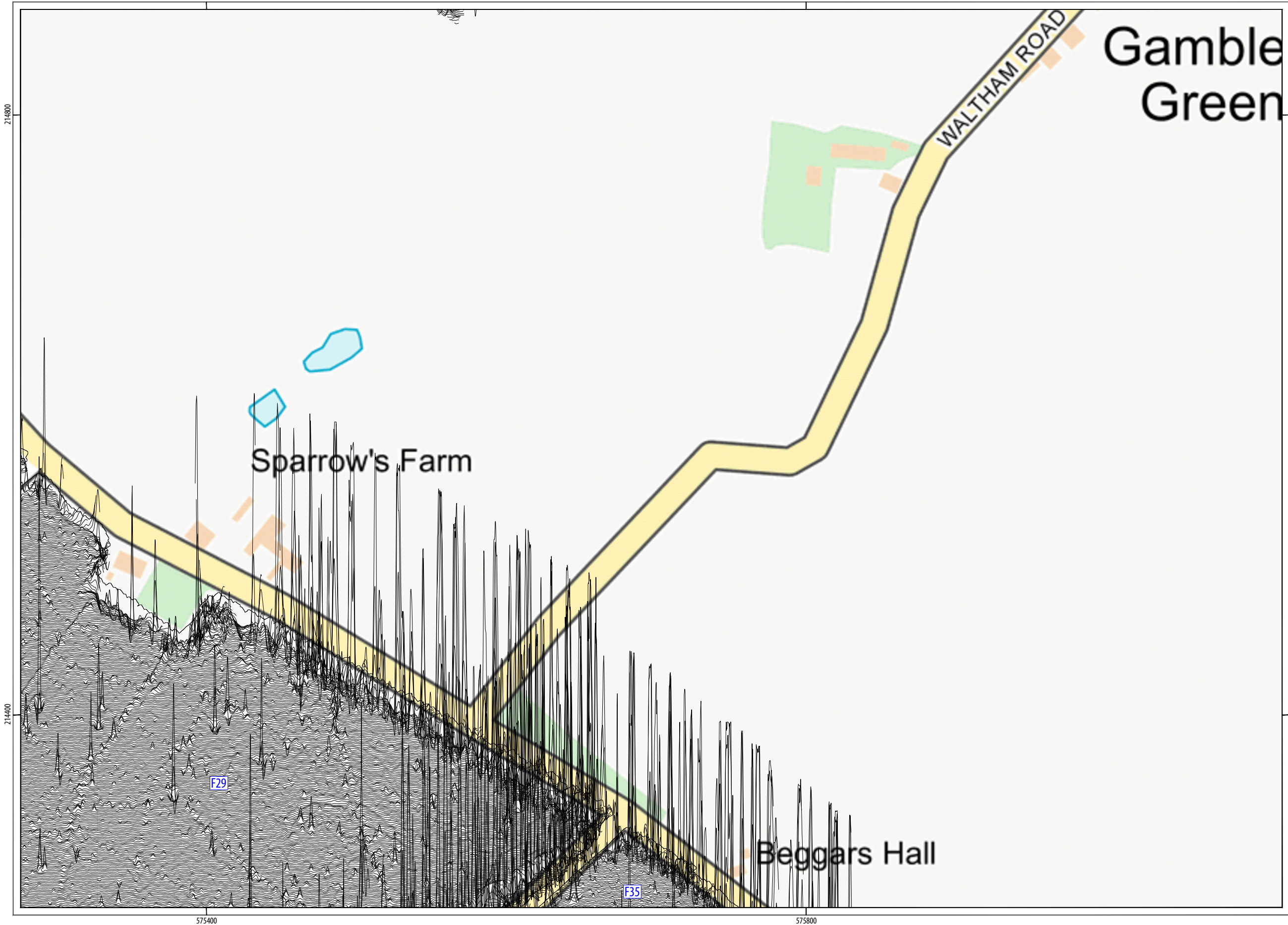
Prepared by:

AECOM Limited  
Midpoint, Alencon Link  
Basingstoke  
Hampshire RG21 7PP  
United Kingdom

T: +44(0)1256 310200  
aecom.com

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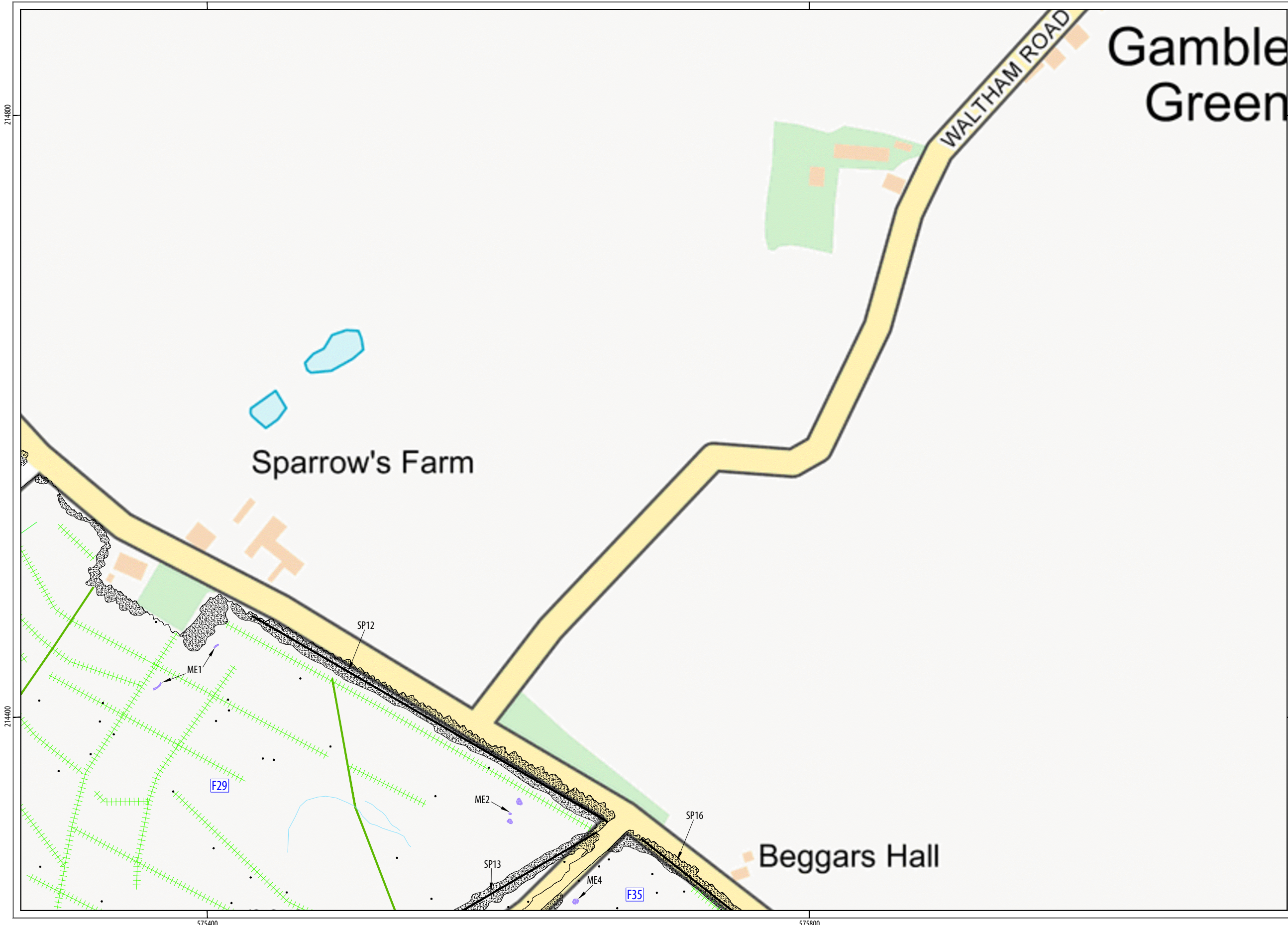
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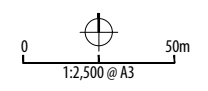
ILLUS 35 XY trace plot of minimally processed magnetometer data; Area 8



TYPE OF ANOMALY	INTERPRETATION
• dipolar isolated	ferrous material
• magnetic disturbance	ferrous material
— dipolar linear	service pipe
+++ linear trend	field drain
— linear	former field boundary
• magnetic enhancement	uncertain
— linear trend	geological variation

ABBREVIATIONS	
SP	service pipe
ME	magnetic enhancement



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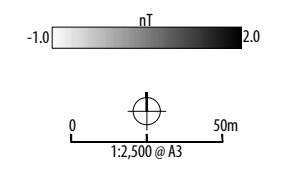


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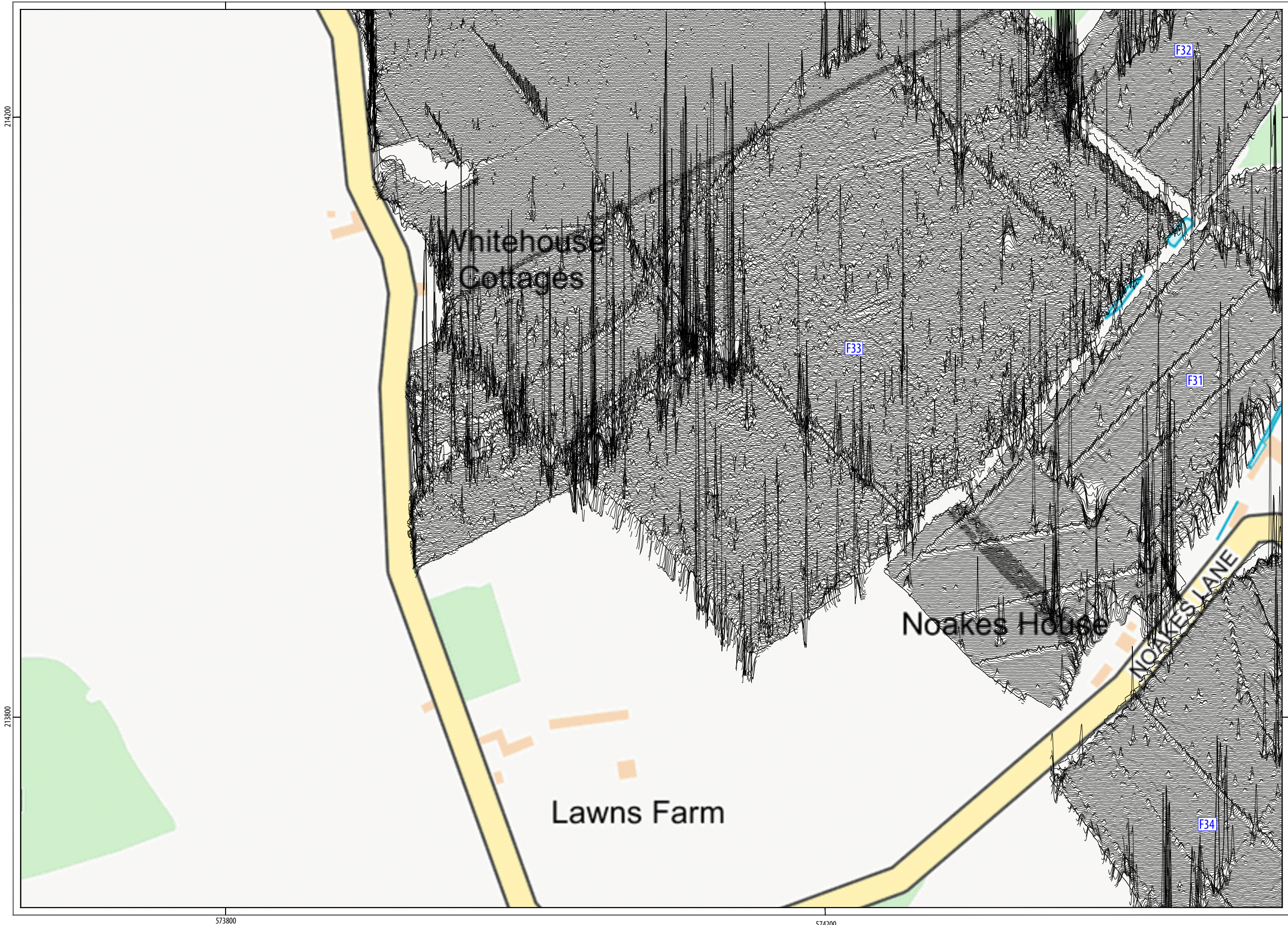
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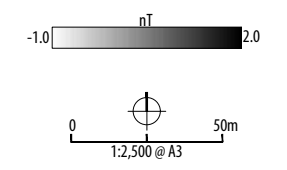


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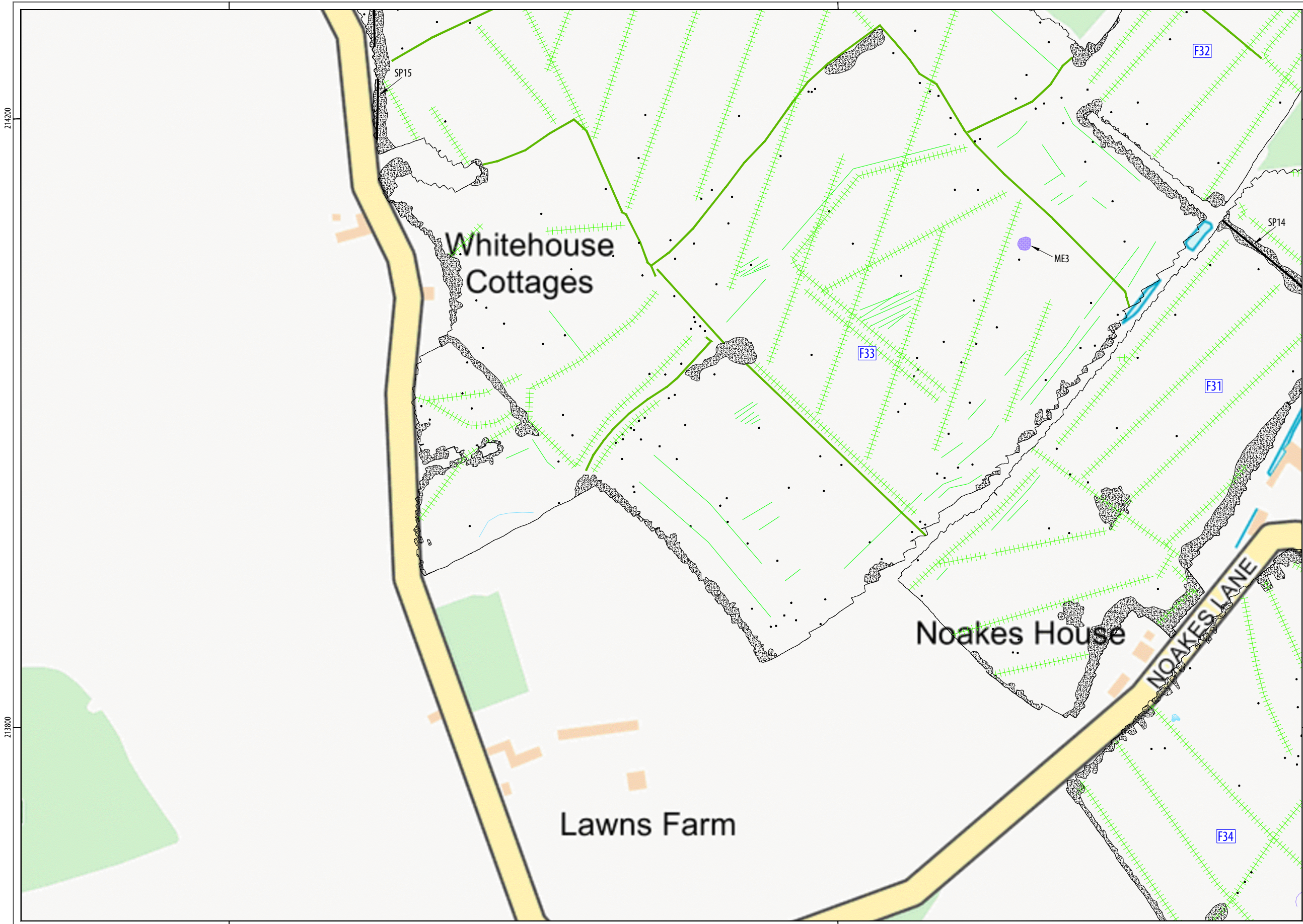
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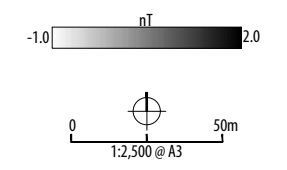


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TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— dipolar linear	service pipe
— linear trend	agricultural
— linear trend	field drain
— linear	former field boundary
● magnetic enhancement	uncertain
— linear trend	geological variation

ABBREVIATIONS  
 SP service pipe  
 ME magnetic enhancement



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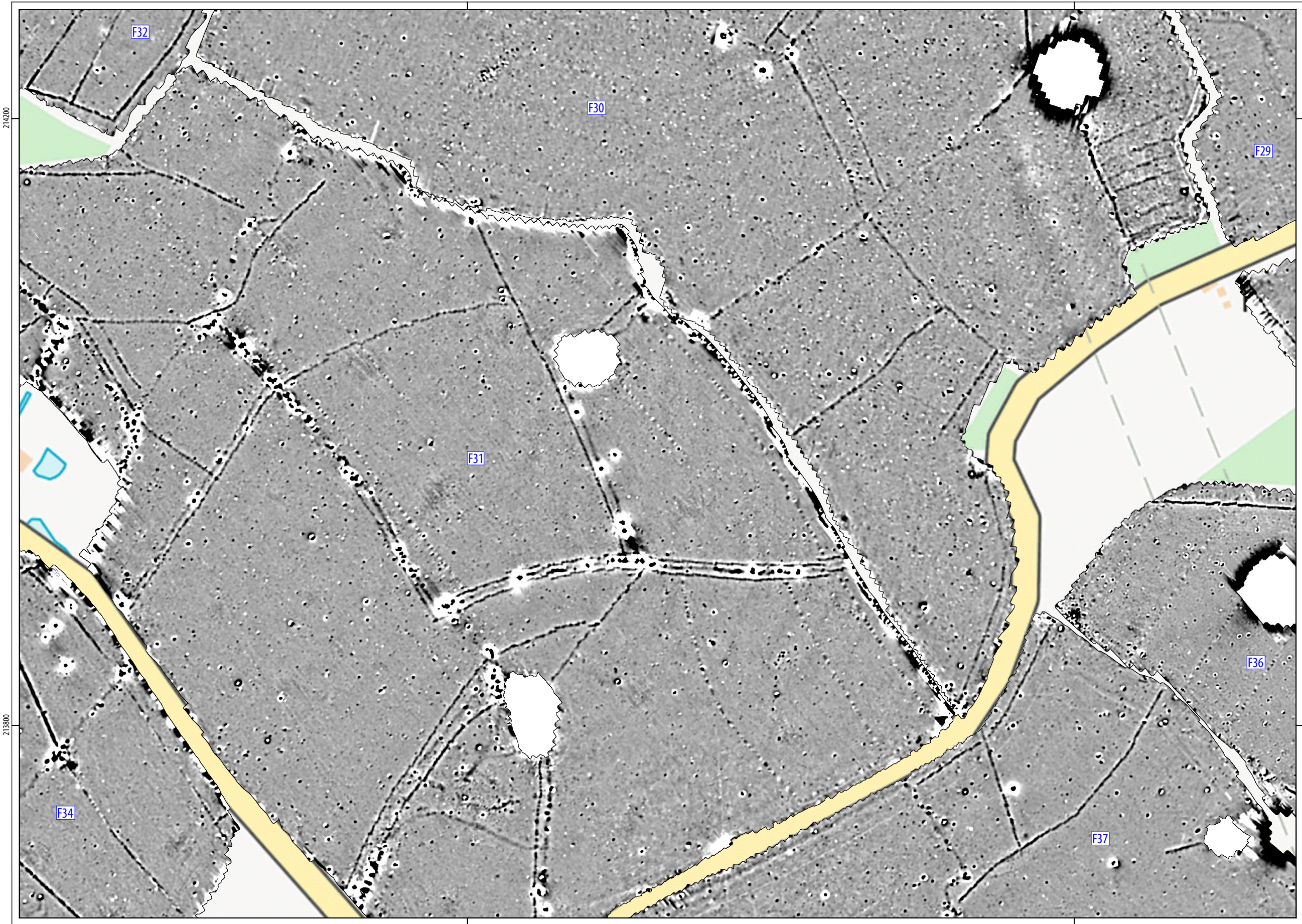
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ILLUS 39 Interpretation of magnetometer data; Area 9

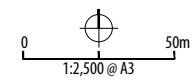
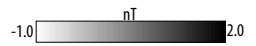


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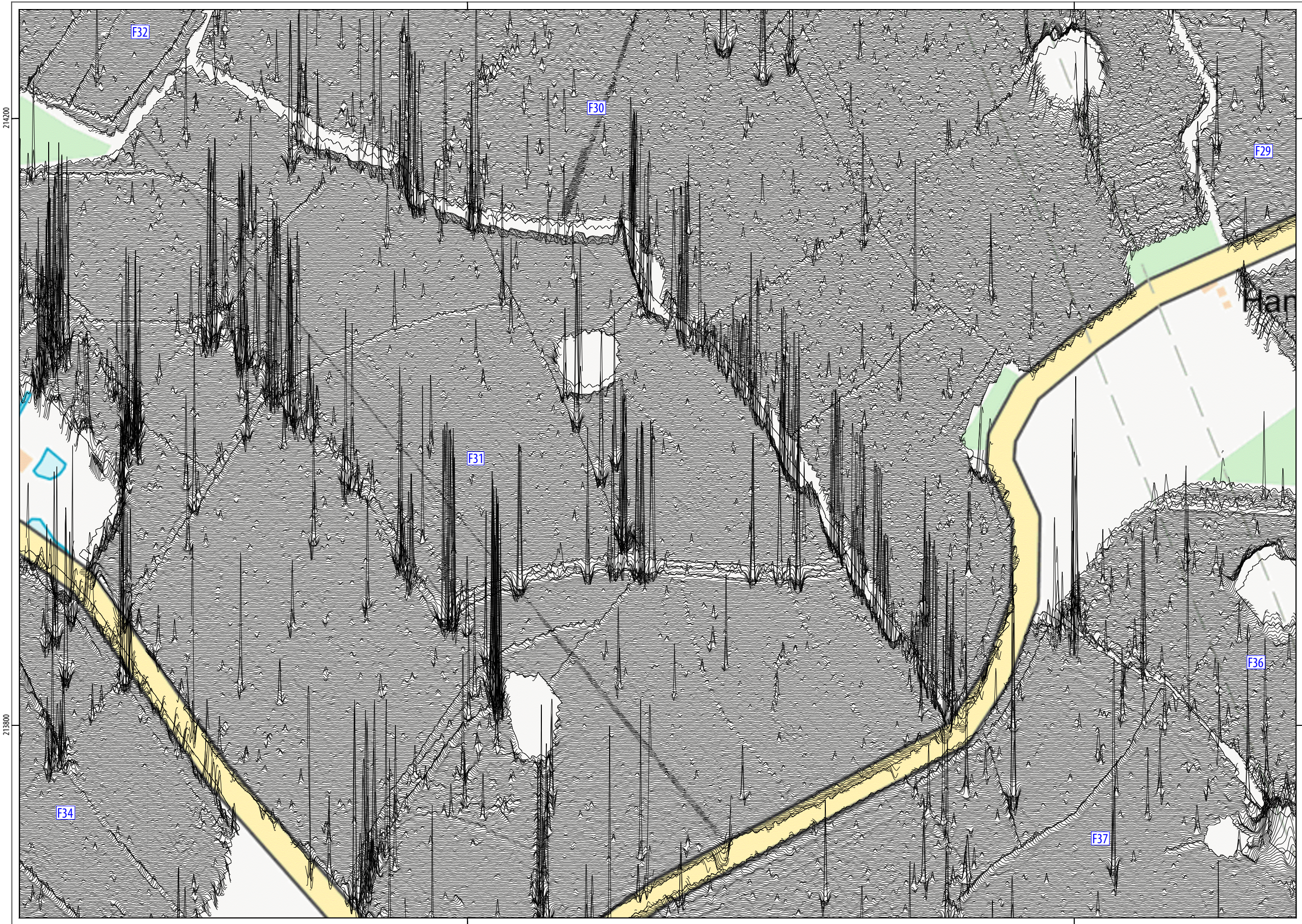


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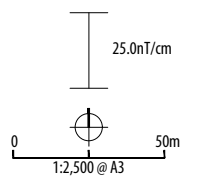


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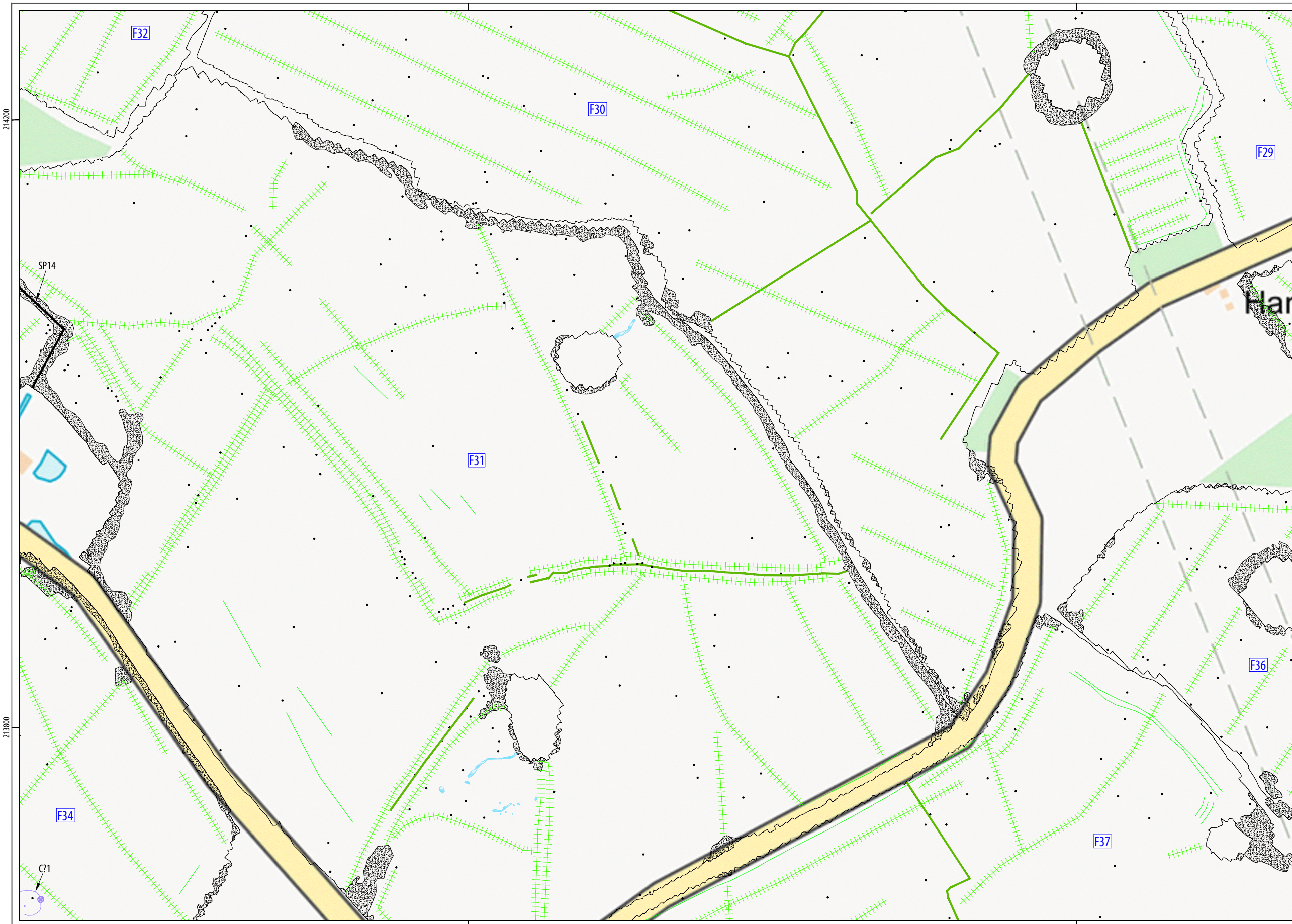


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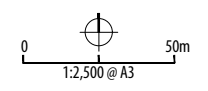
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ILLUS 41 XY plot of minimally processed magnetometer data; Area 10



TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— dipolar linear	service pipe
— linear trend	agricultural
— linear trend	field drain
— linear	former field boundary
— linear trend	uncertain
⊗ magnetic enhancement	uncertain
— linear trend	geological variation

ABBREVIATIONS  
 SP service pipe  
 C? circular anomaly?

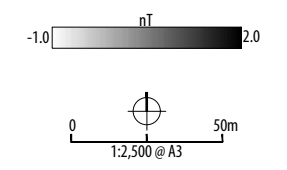
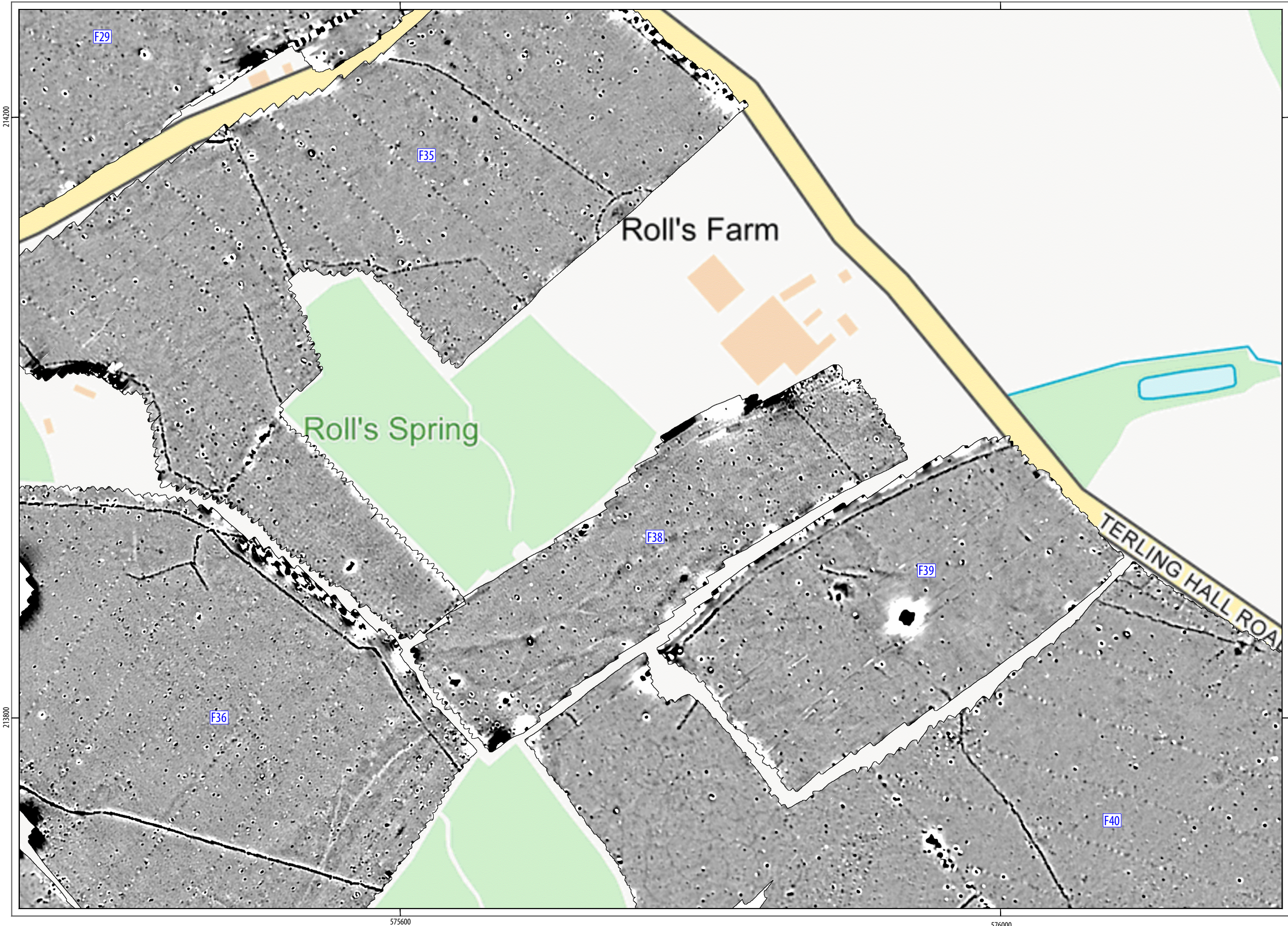


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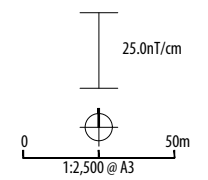
ILLUS 42 Interpretation of magnetometer data; Area 10



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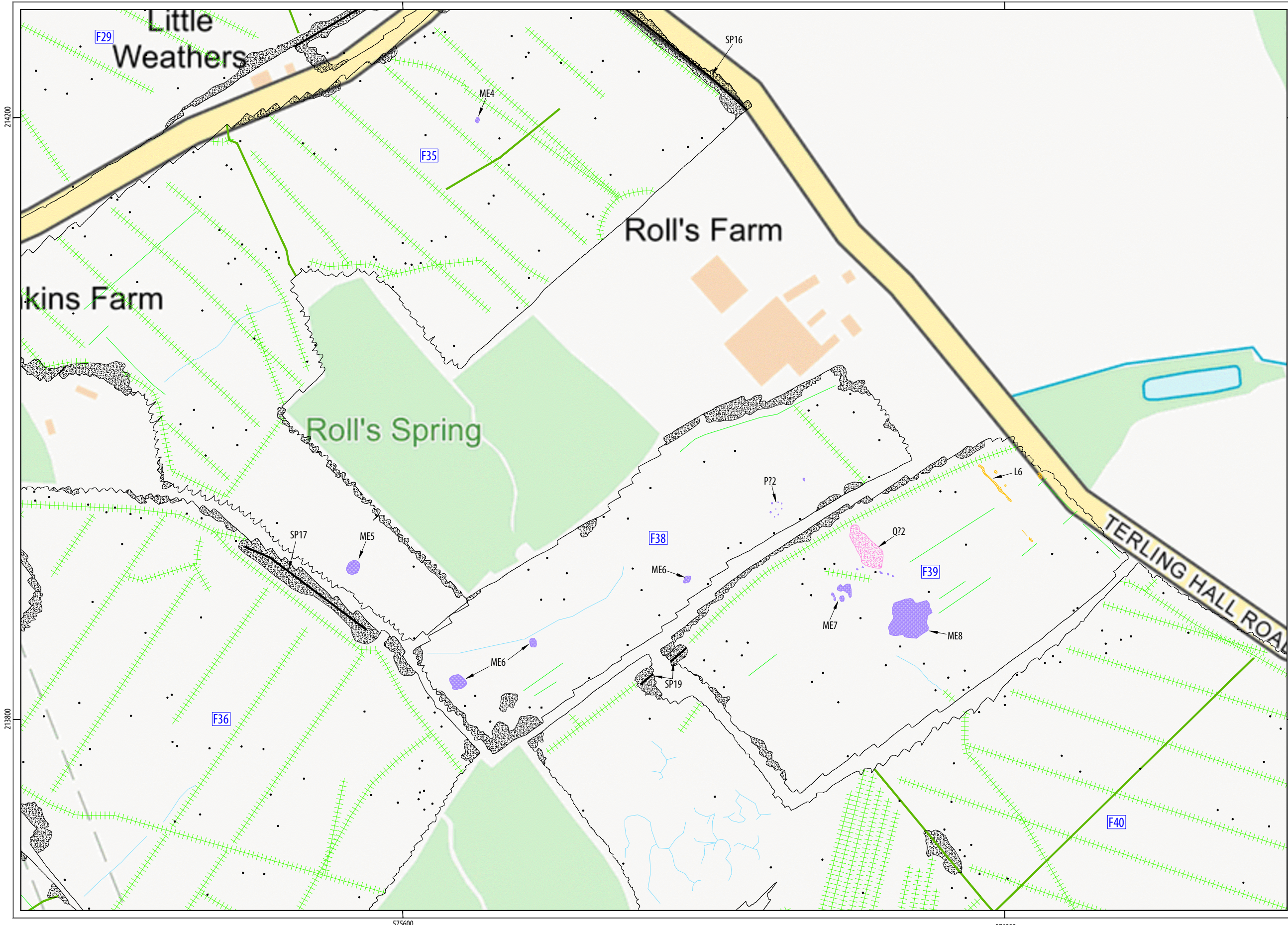


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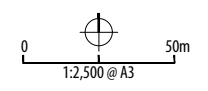
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ILLUS 44 XY trace plot of minimally processed magnetometer data; Area 11



TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— dipolar linear	service pipe
● magnetic enhancement	quarrying?
— linear trend	agricultural
— linear trend	field drain
— linear	former field boundary
● magnetic enhancement	uncertain
— linear trend	geological variation
— linear trend	archaeology?
● magnetic enhancement	archaeology?

ABBREVIATIONS	MEANING
SP	service pipe
L	linear
P?	pit?
ME	magnetic enhancement
Q?	quarrying?

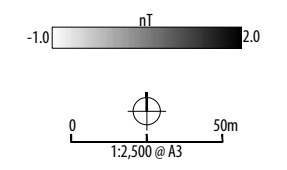
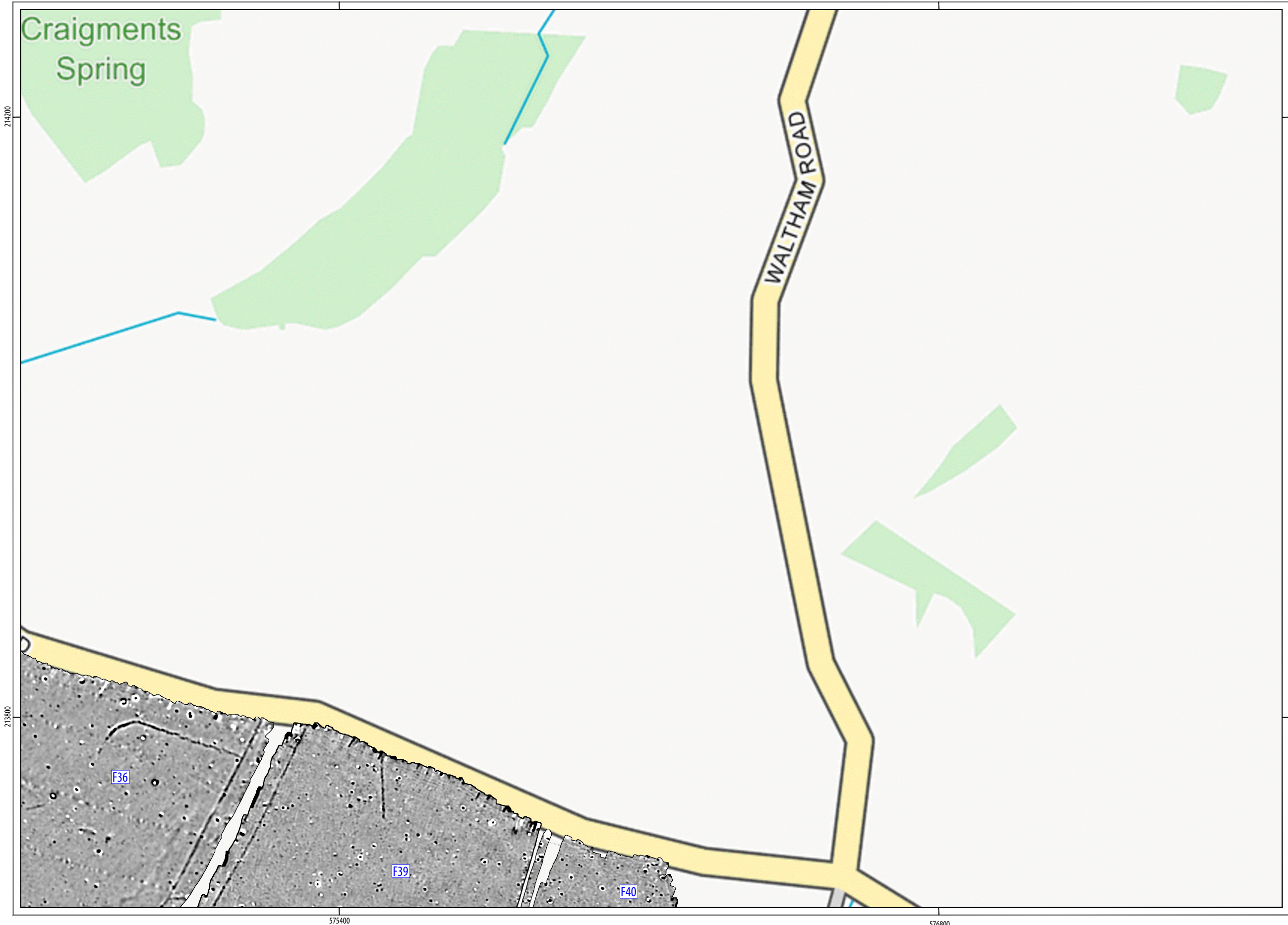


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ILLUS 45 Interpretation of magnetometer data; Area 11

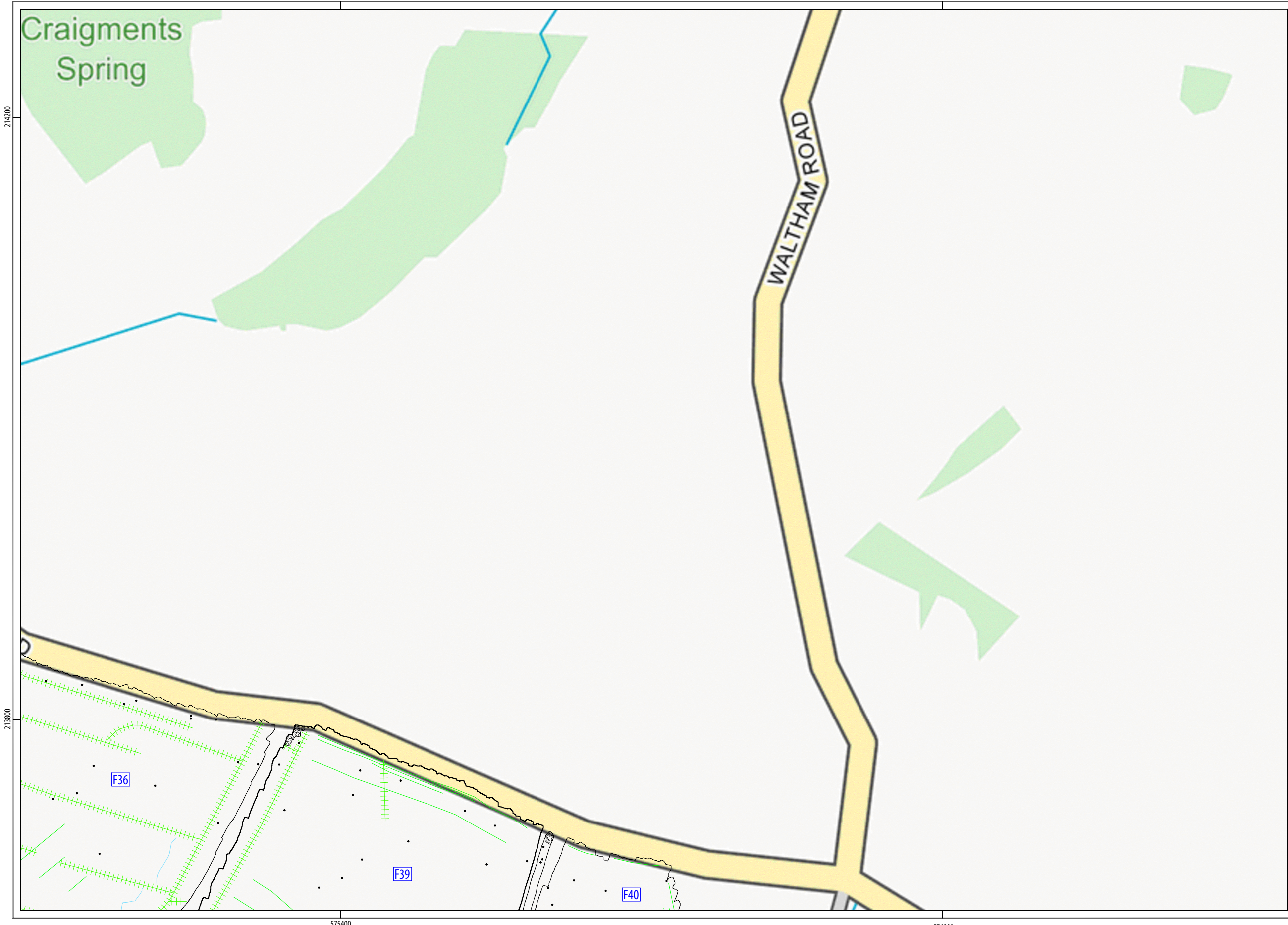


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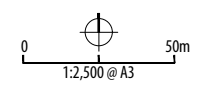


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ILLUS 46 Processed greyscale magnetometer data; Area 12



TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— linear trend	agricultural
+++ linear trend	field drain



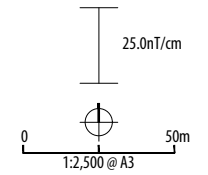
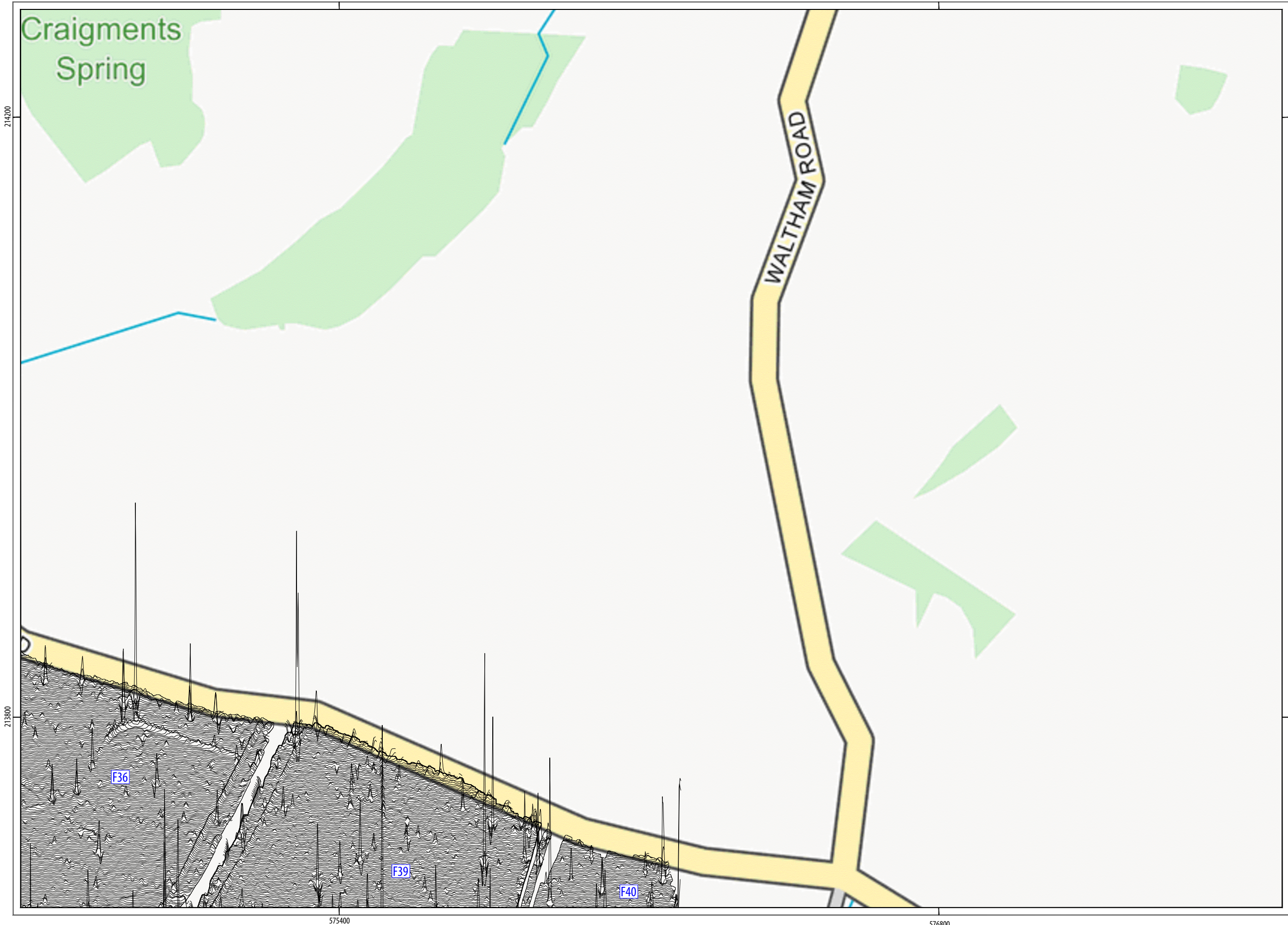
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ILLUS 48 Interpretation of magnetometer data; Area 12



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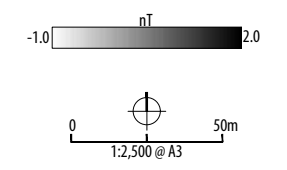
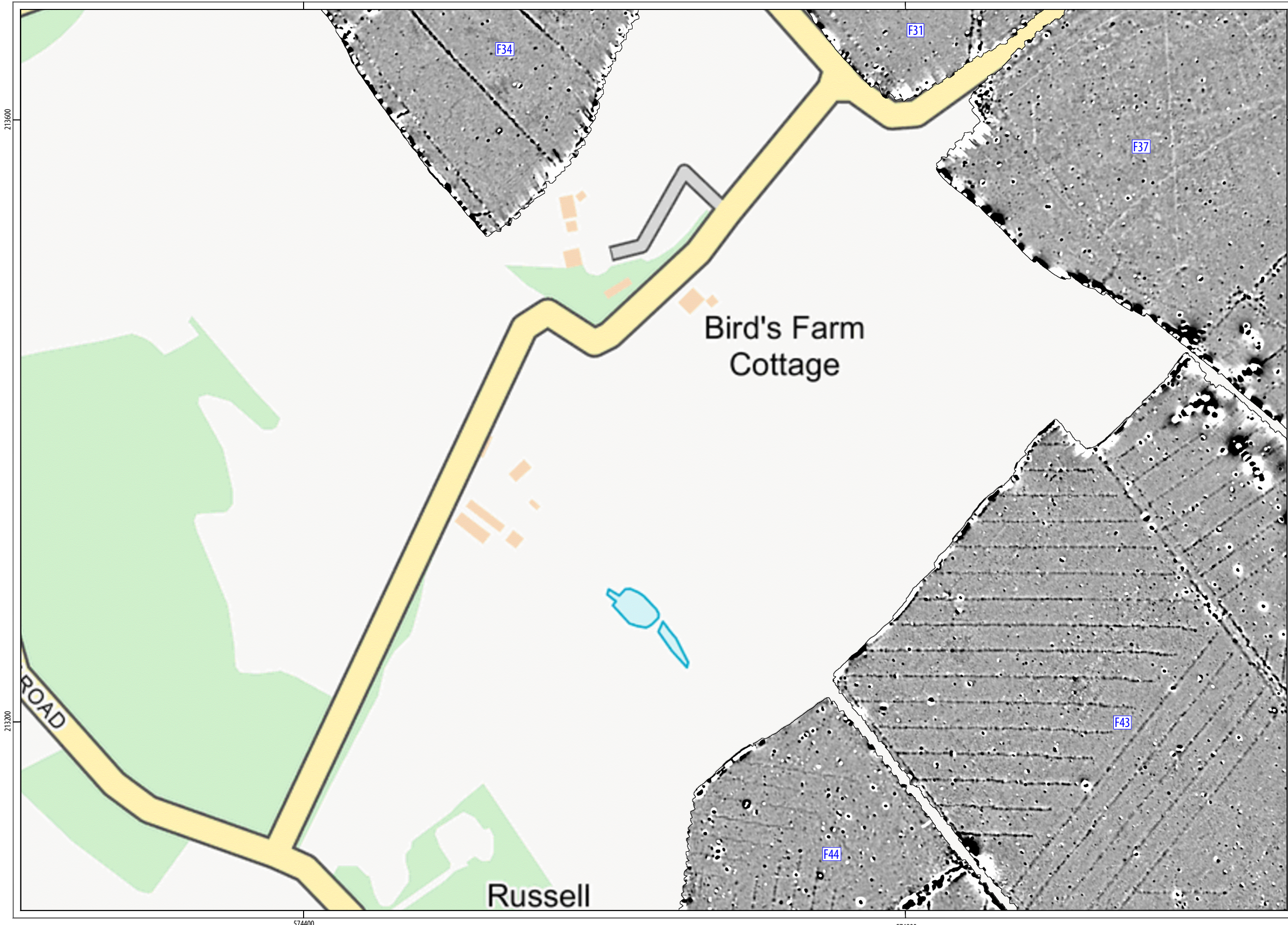
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ILLUS 47 XY trace plot of minimally processed magnetometer data; Area 12

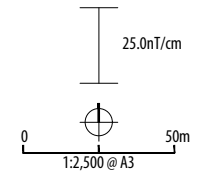
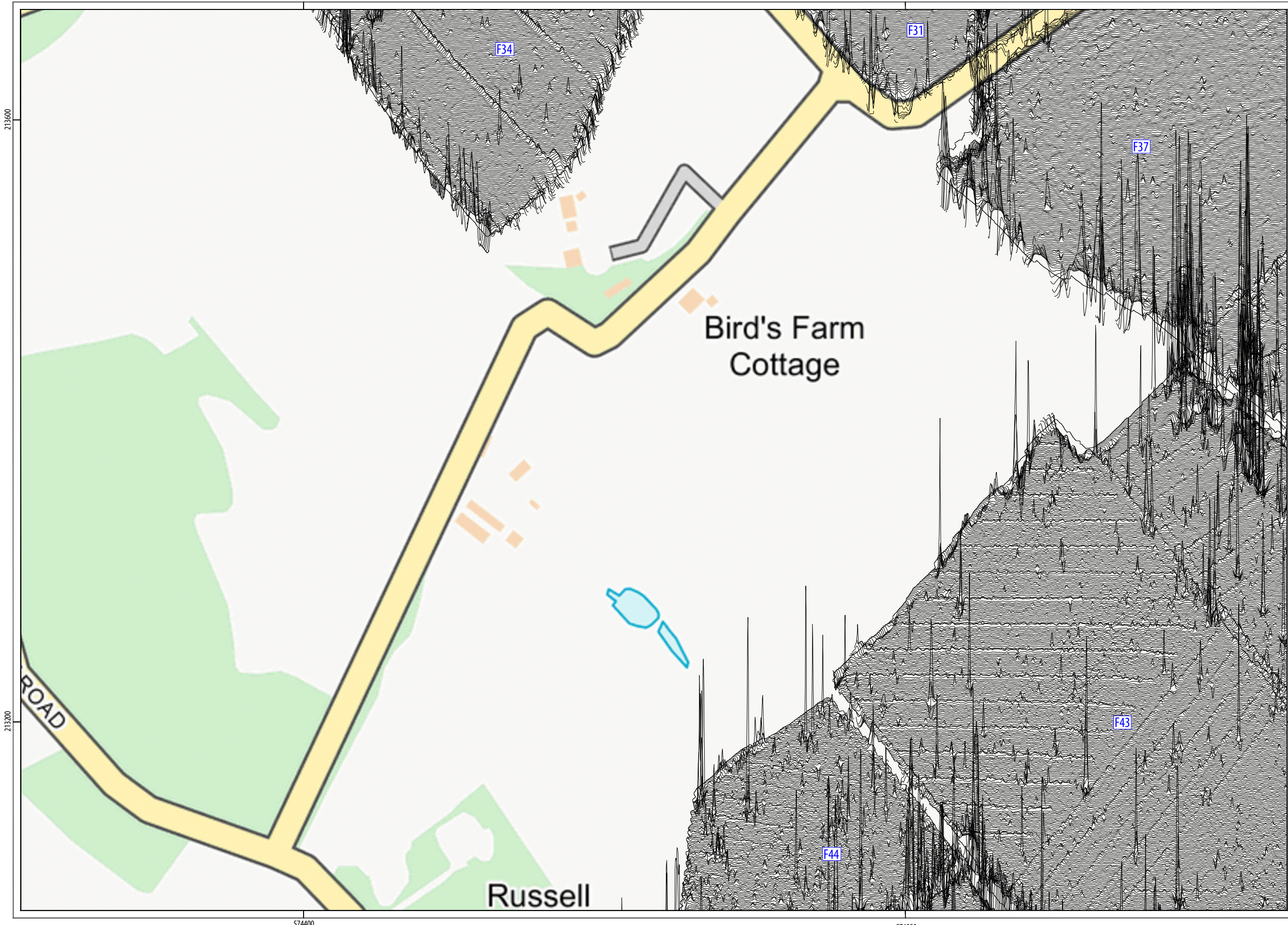




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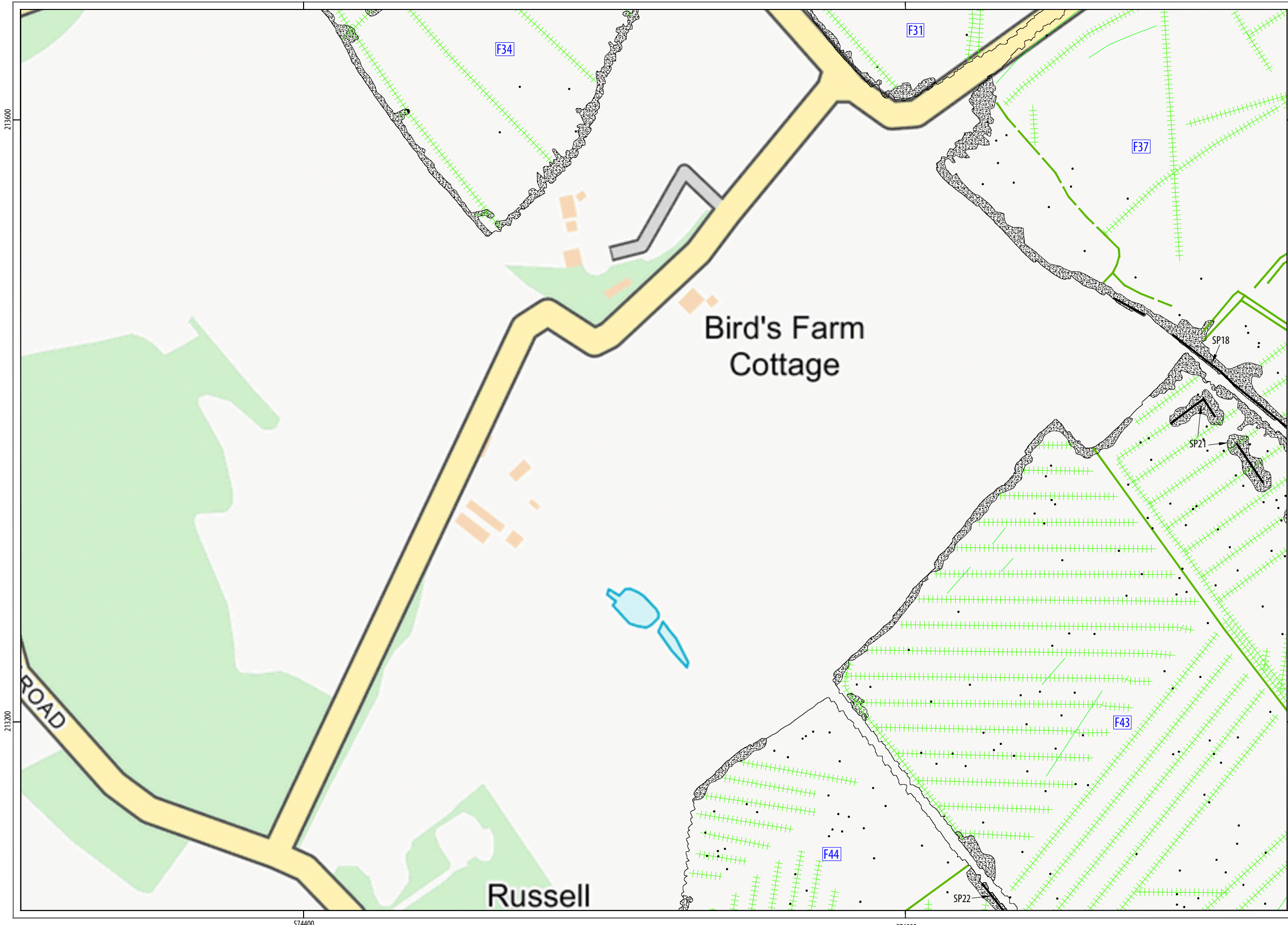


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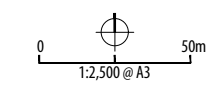
ILLUS 50 XY trace plot of minimally processed magnetometer data; Area 13



TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— dipolar linear	service pipe
— linear trend	agricultural
— linear trend	field drain
— linear	former field boundary
— linear	former field boundary?

ABBREVIATIONS	
SP	service pipe



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