



Longfield Solar Farm

Environmental Statement PINS Ref: EN010118

Volume 2

Appendix 7C: Geophysical Survey

PART 4 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

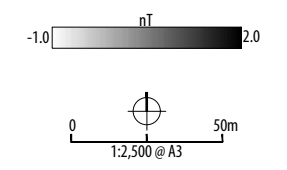
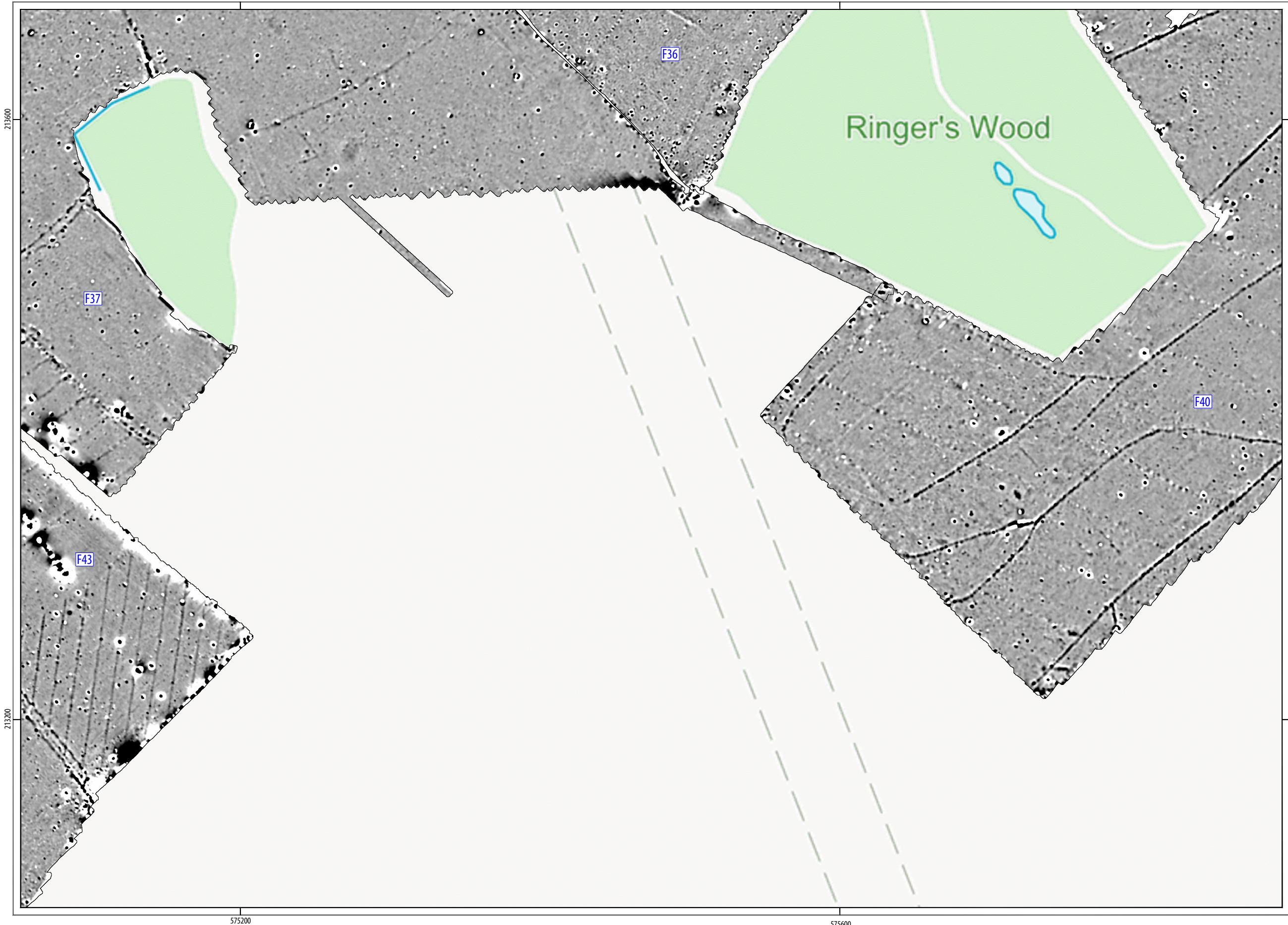
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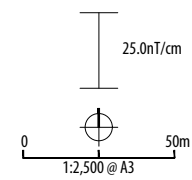
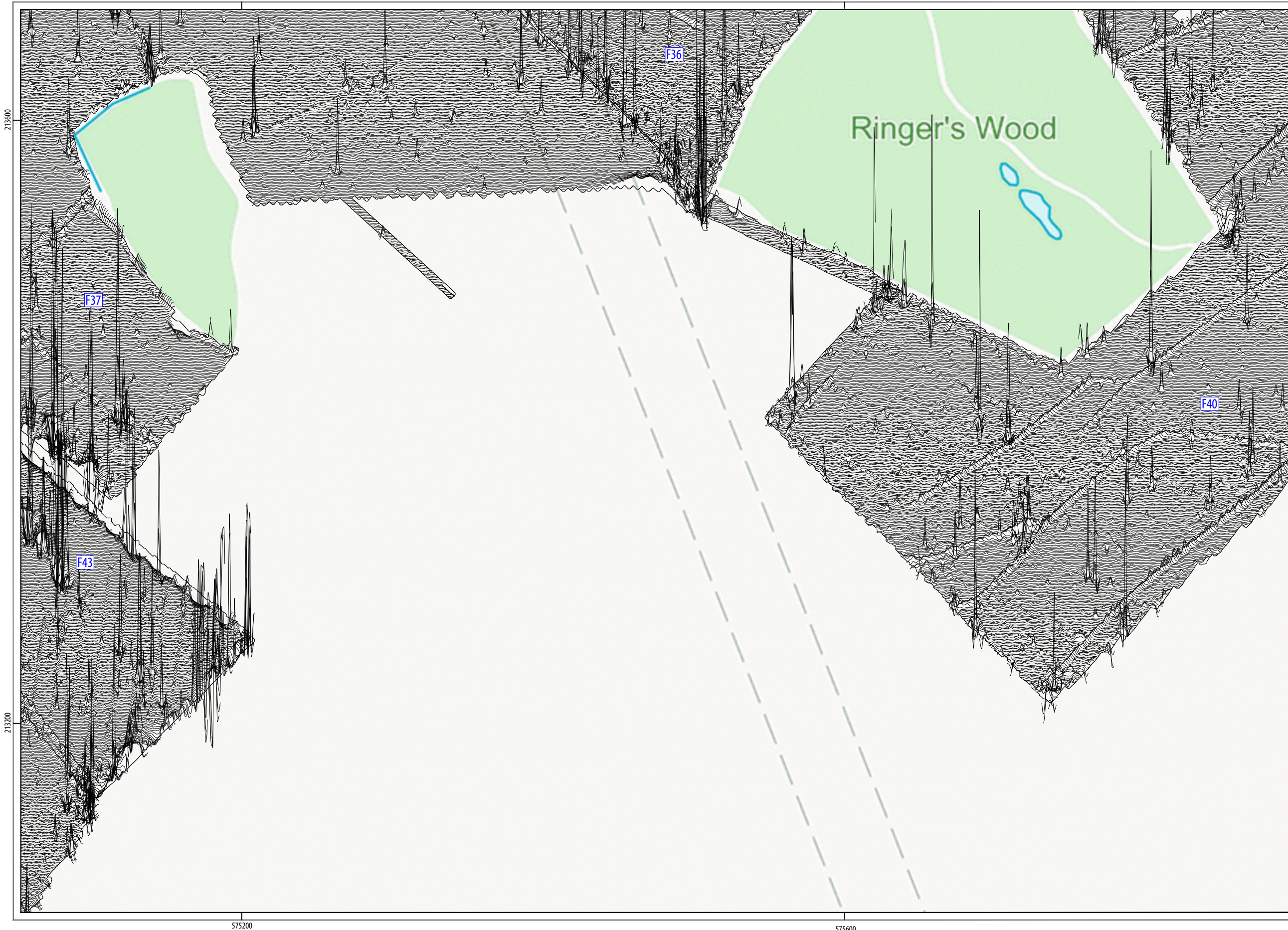


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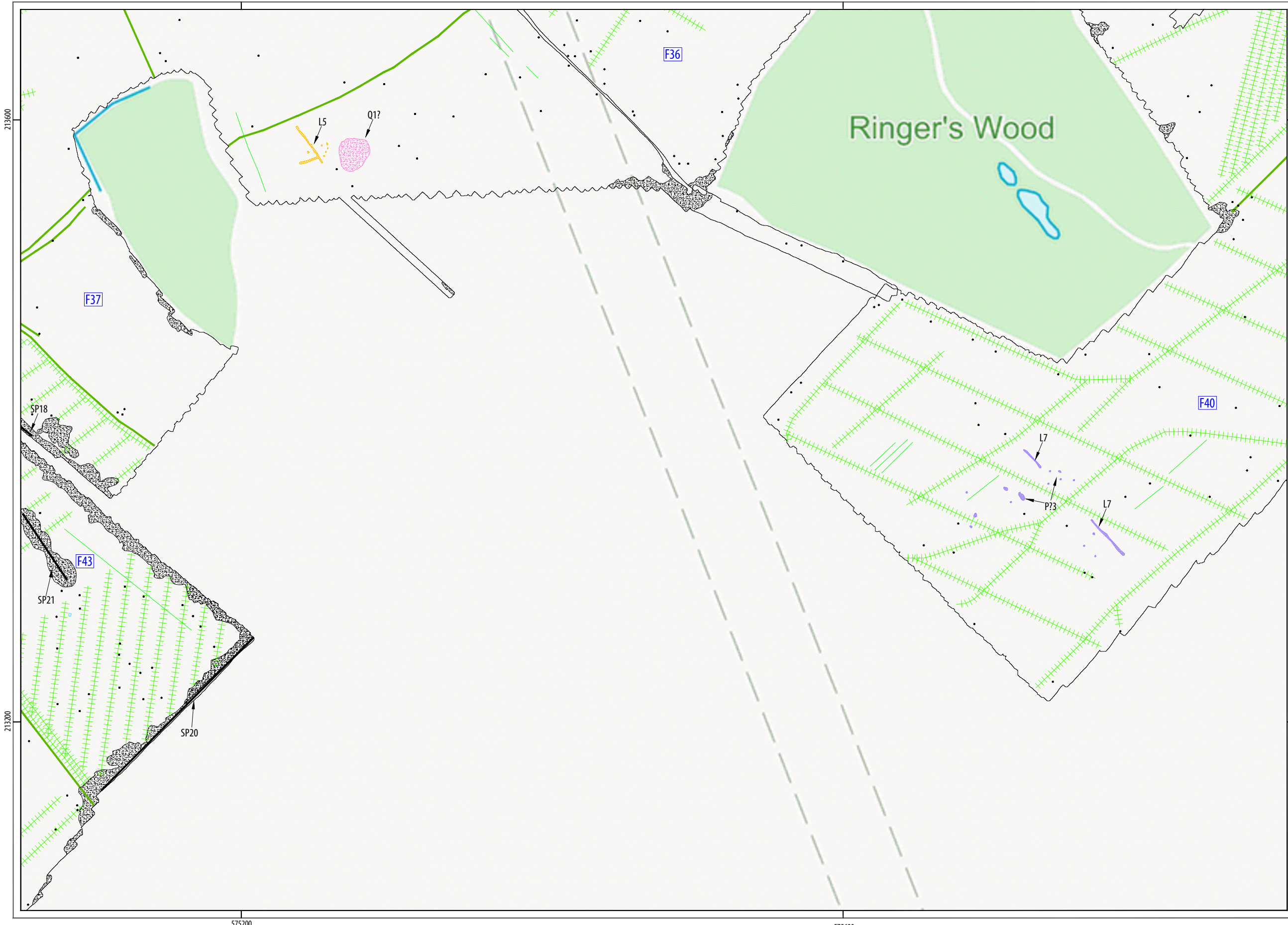


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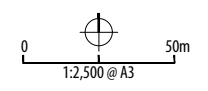
ILLUS 53 XY trace plot of minimally processed magnetometer data; Area 14



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
● magnetic enhancement	geology
● magnetic enhancement	archaeology?

ABBREVIATIONS

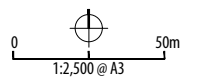
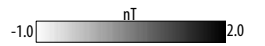
SP	service pipe
L	linear
P?	pit?
Q?	quarrying?



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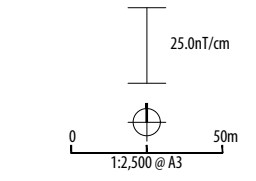
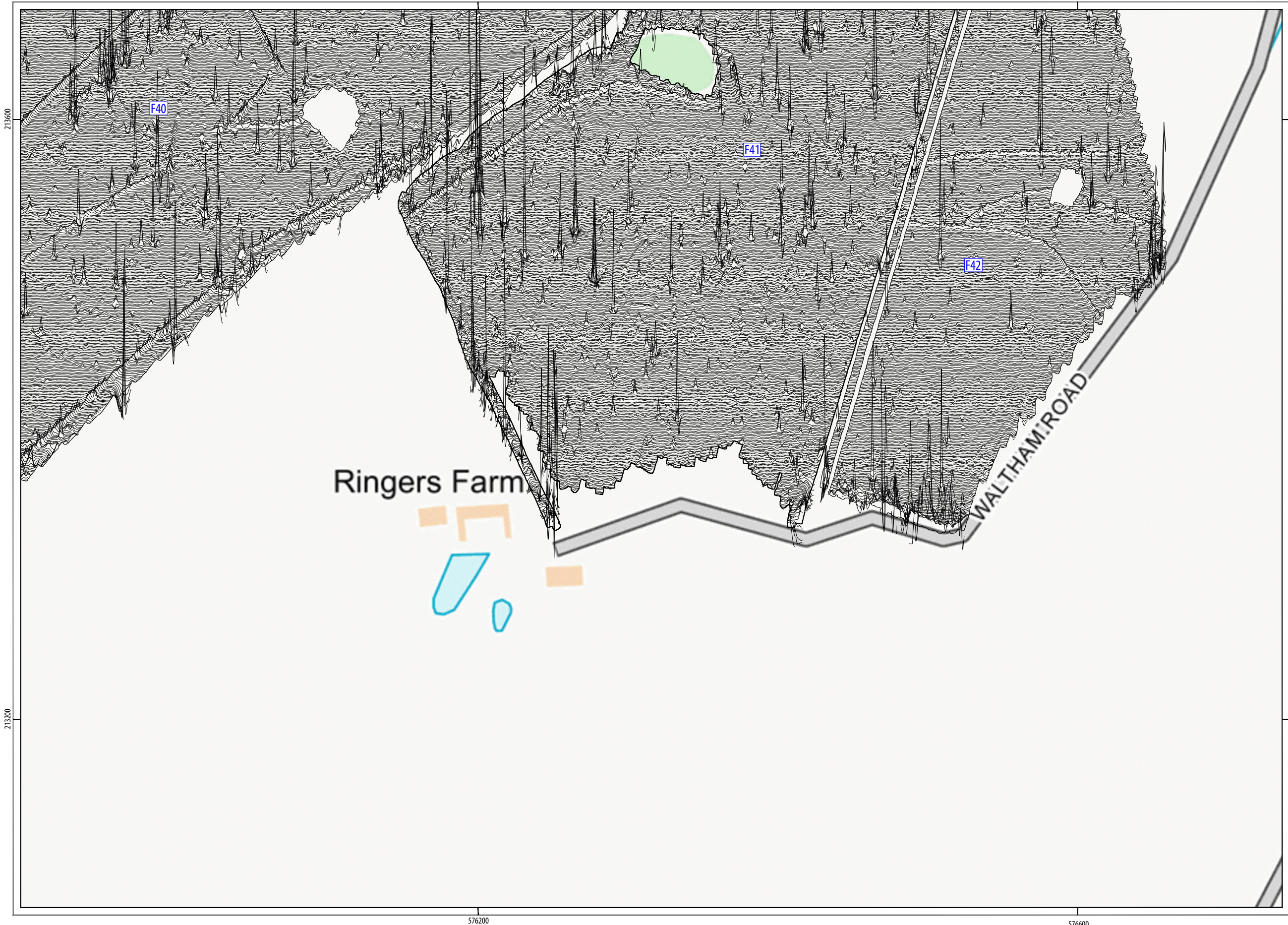
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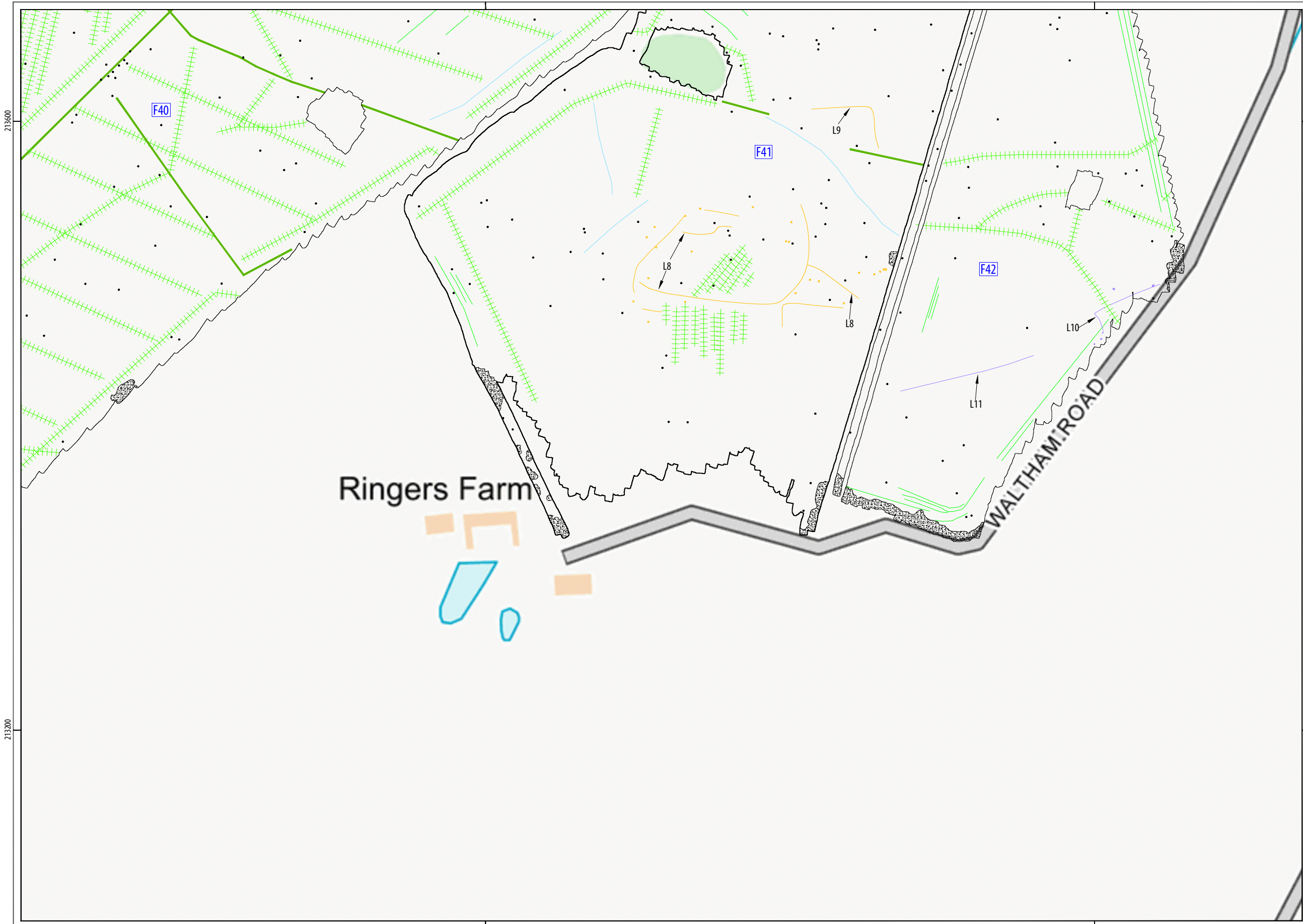


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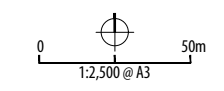
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ILLUS 56 XY trace plot of minimally processed magnetometer data; Area 15



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

ABBREVIATIONS
L linear



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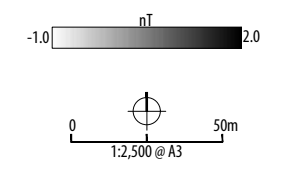


213000

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575000



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213000

212600

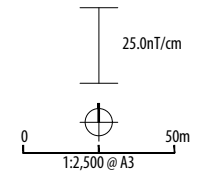
Green House

Brent Hall Lodge

F43

F44

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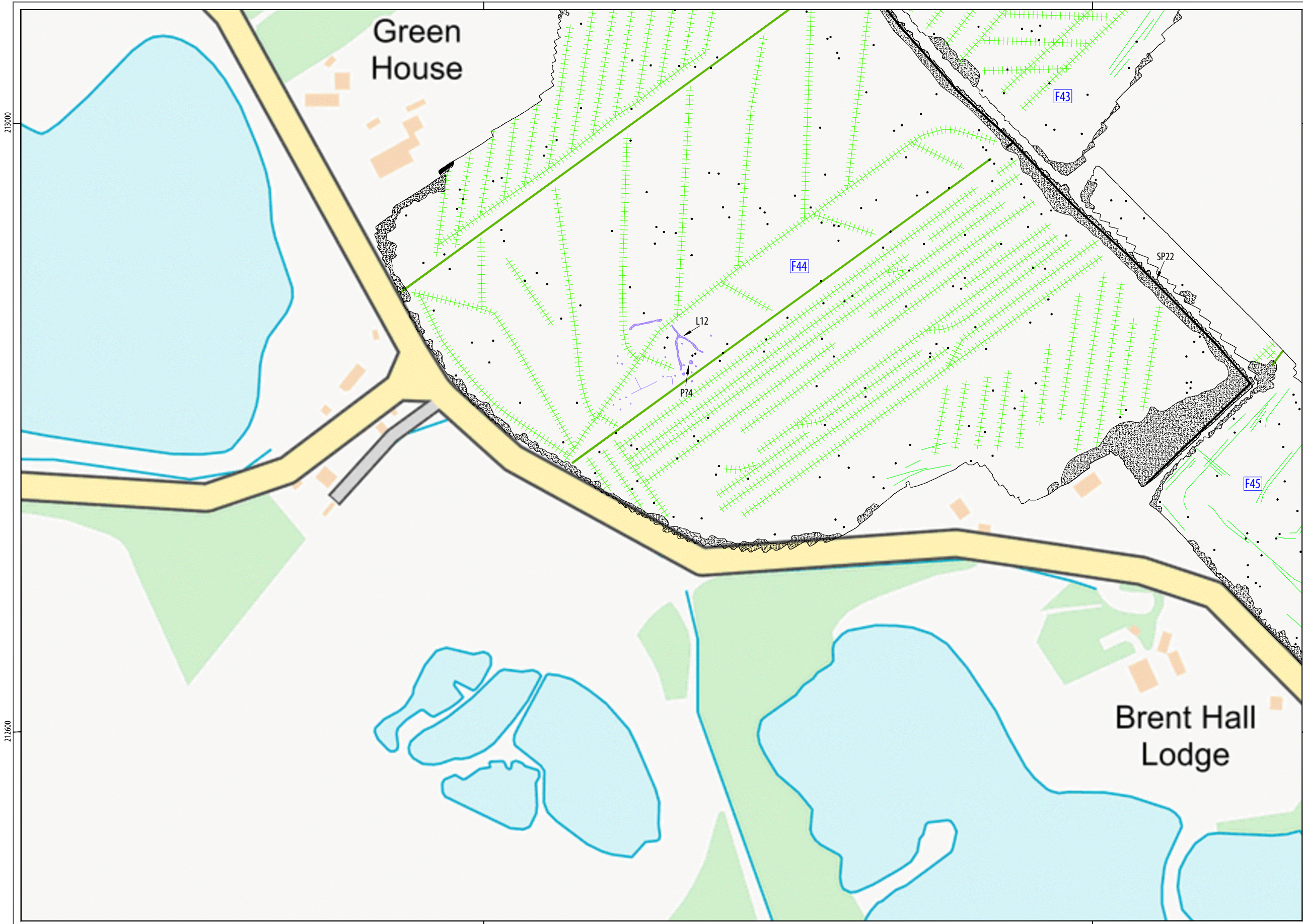


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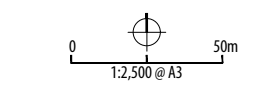
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ILLUS 59 XY trace plot of minimally processed magnetometer data; Area 16



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	archaeology?
● magnetic enhancement	archaeology?

ABBREVIATIONS	
SP	service pipe
L	linear
P?	pit?

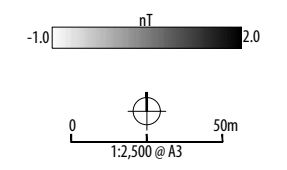
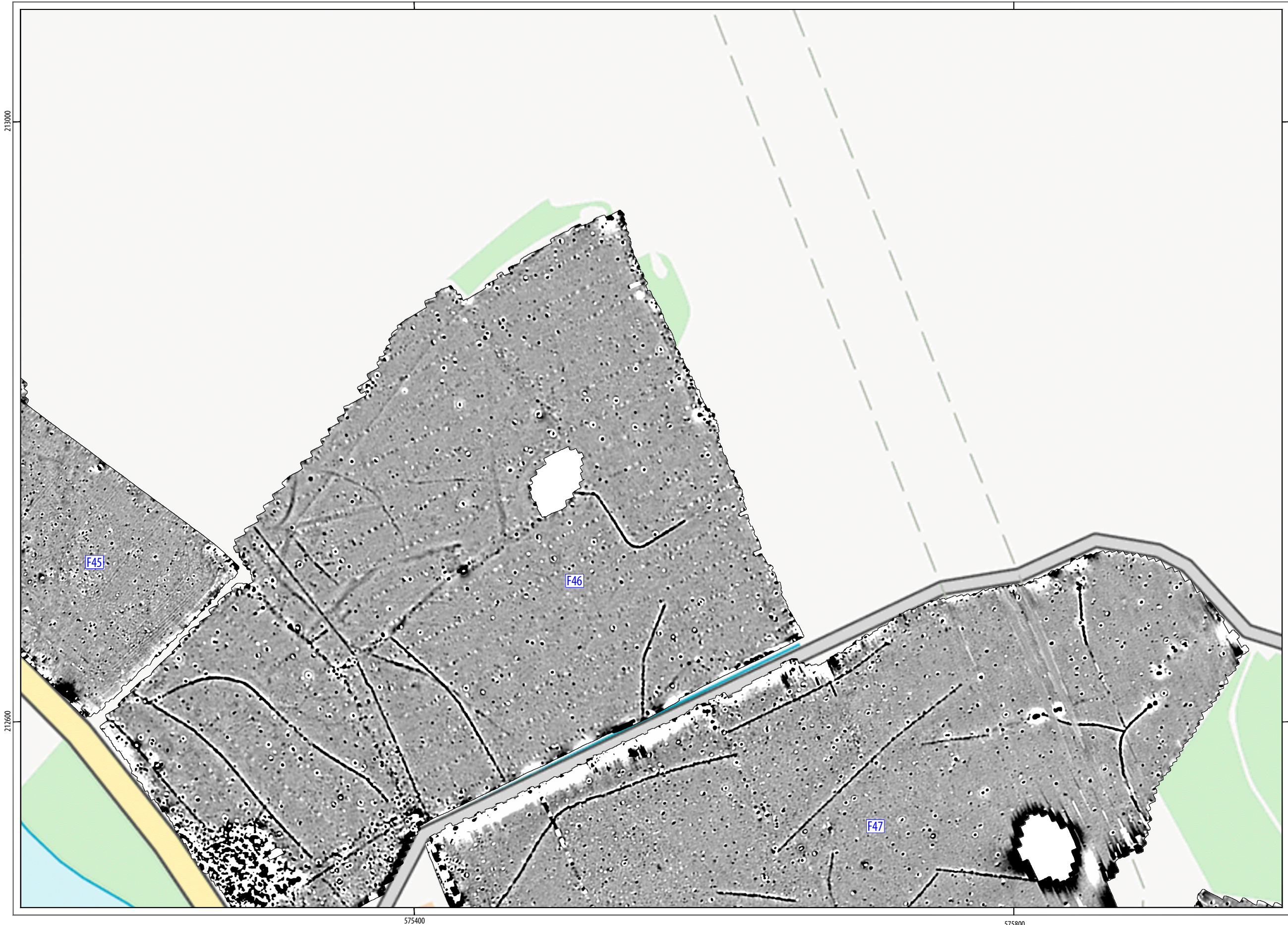


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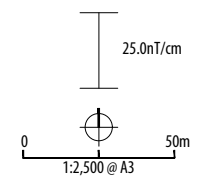
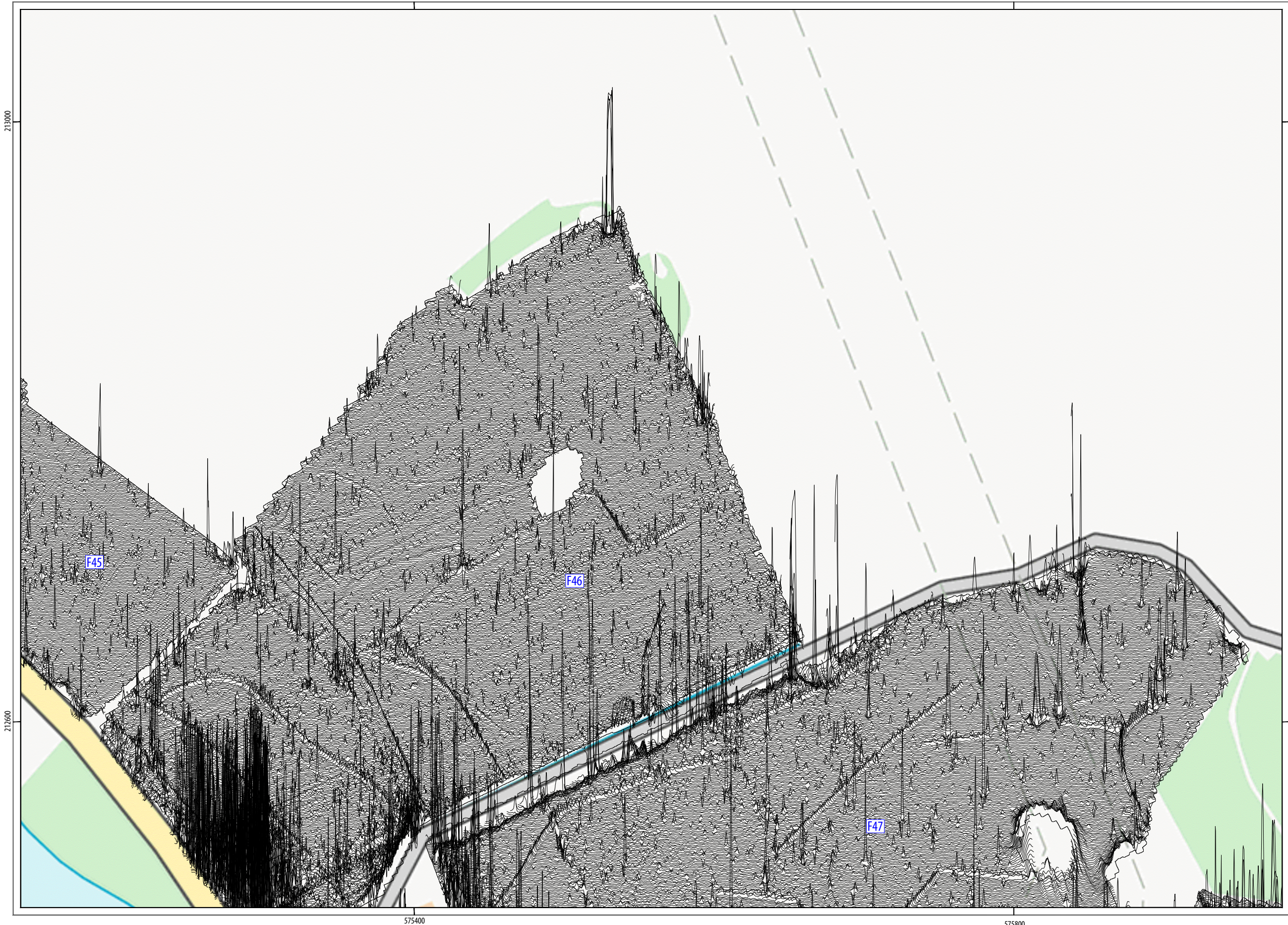
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ILLUS 61 Processed greyscale magnetometer data; Area 17



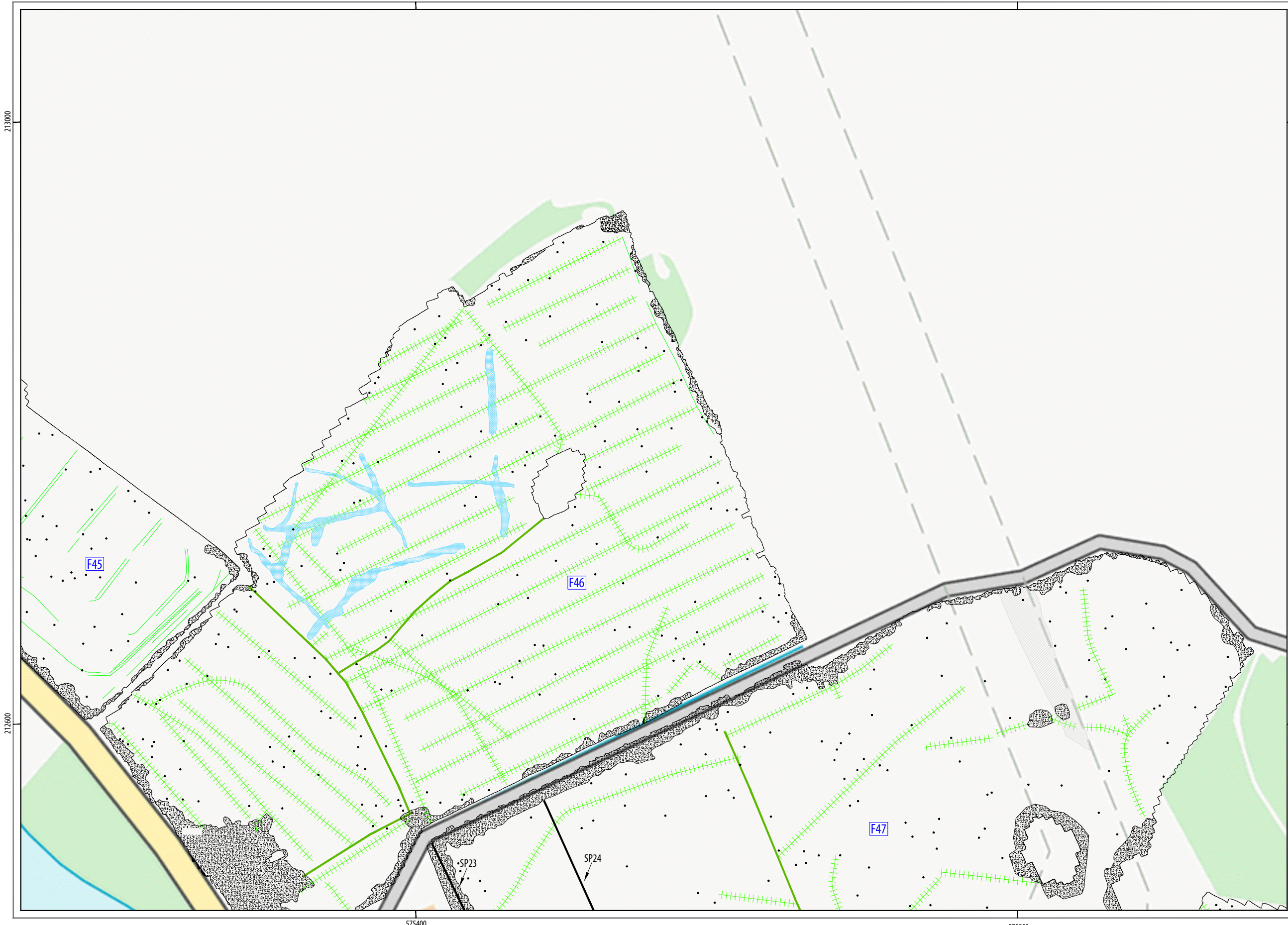
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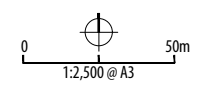
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ILLUS 62 XY trace plot of minimally processed magnetometer data; Area 17



TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— dipolar linear	service pipe
⊘ magnetic interference	overhead cables
— linear trend	agricultural
+++ linear trend	field drain
— linear	former field boundary
⊕ magnetic enhancement	geology

ABBREVIATIONS
 SP service pipe

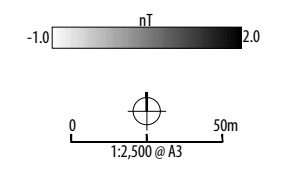
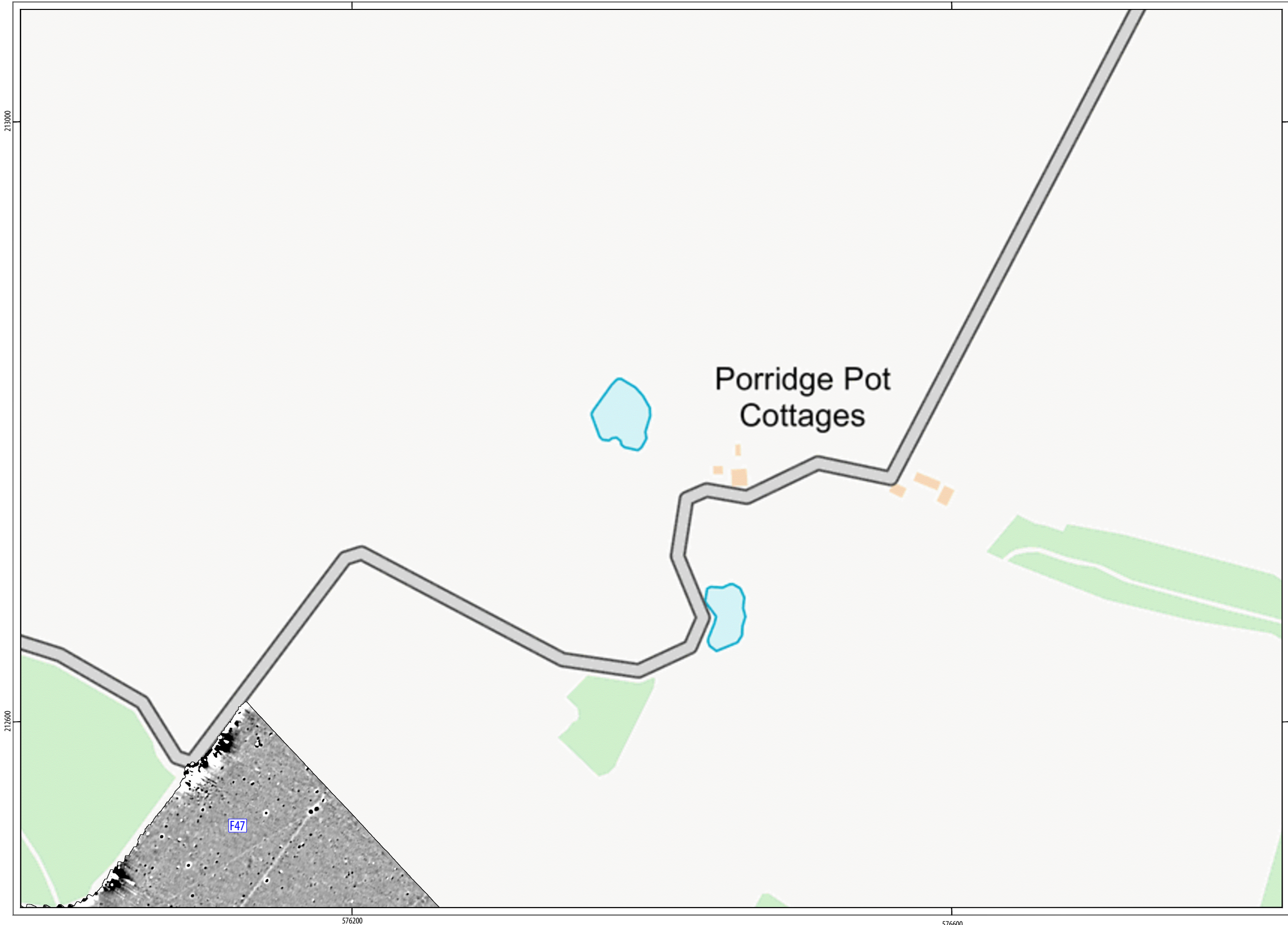


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ILLUS 63 Interpretation of magnetometer data; Area 17

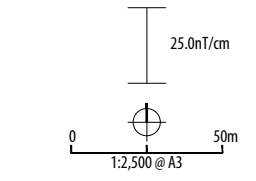
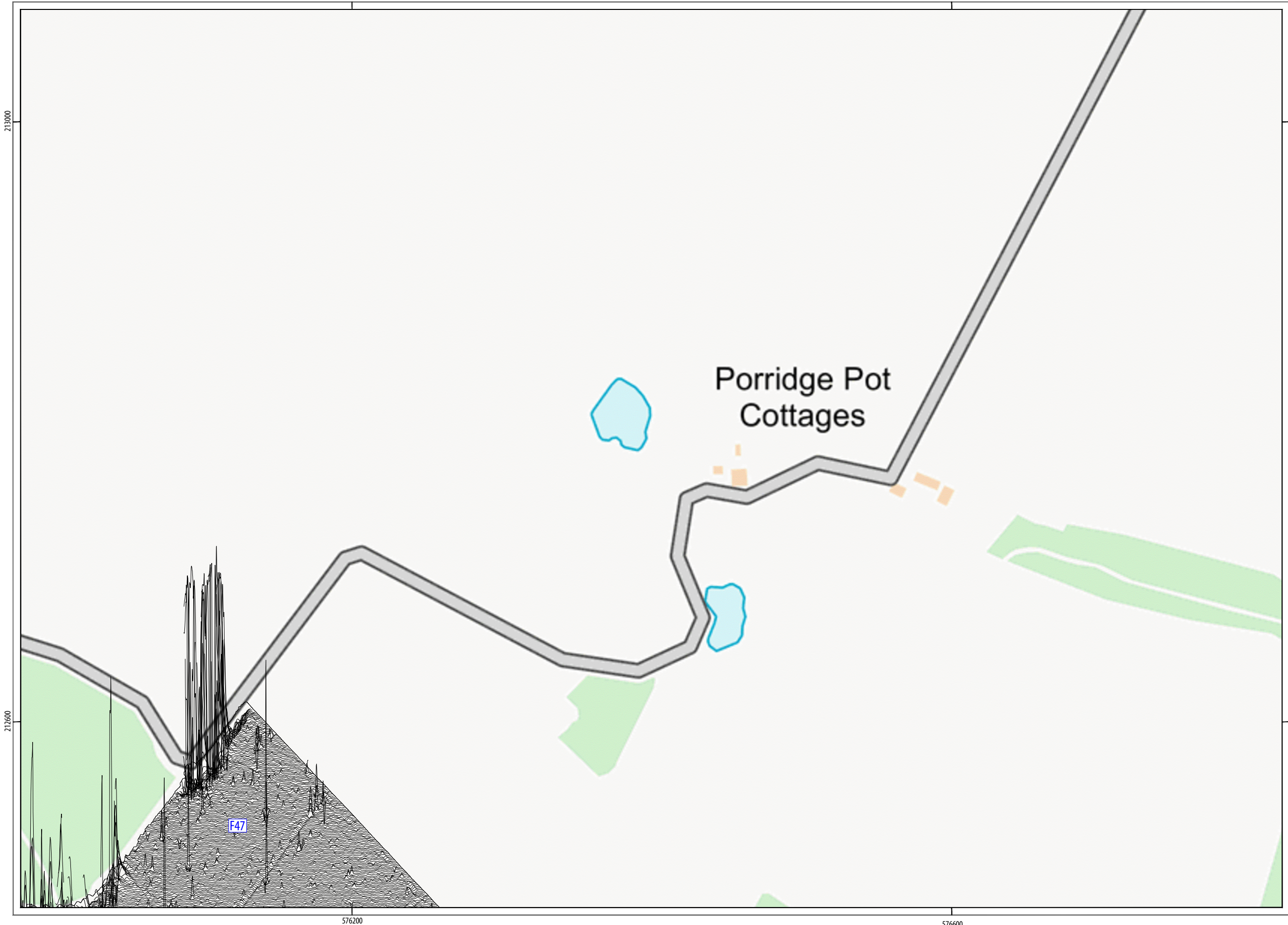


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ILLUS 64 Processed greyscale magnetometer data; Area 18

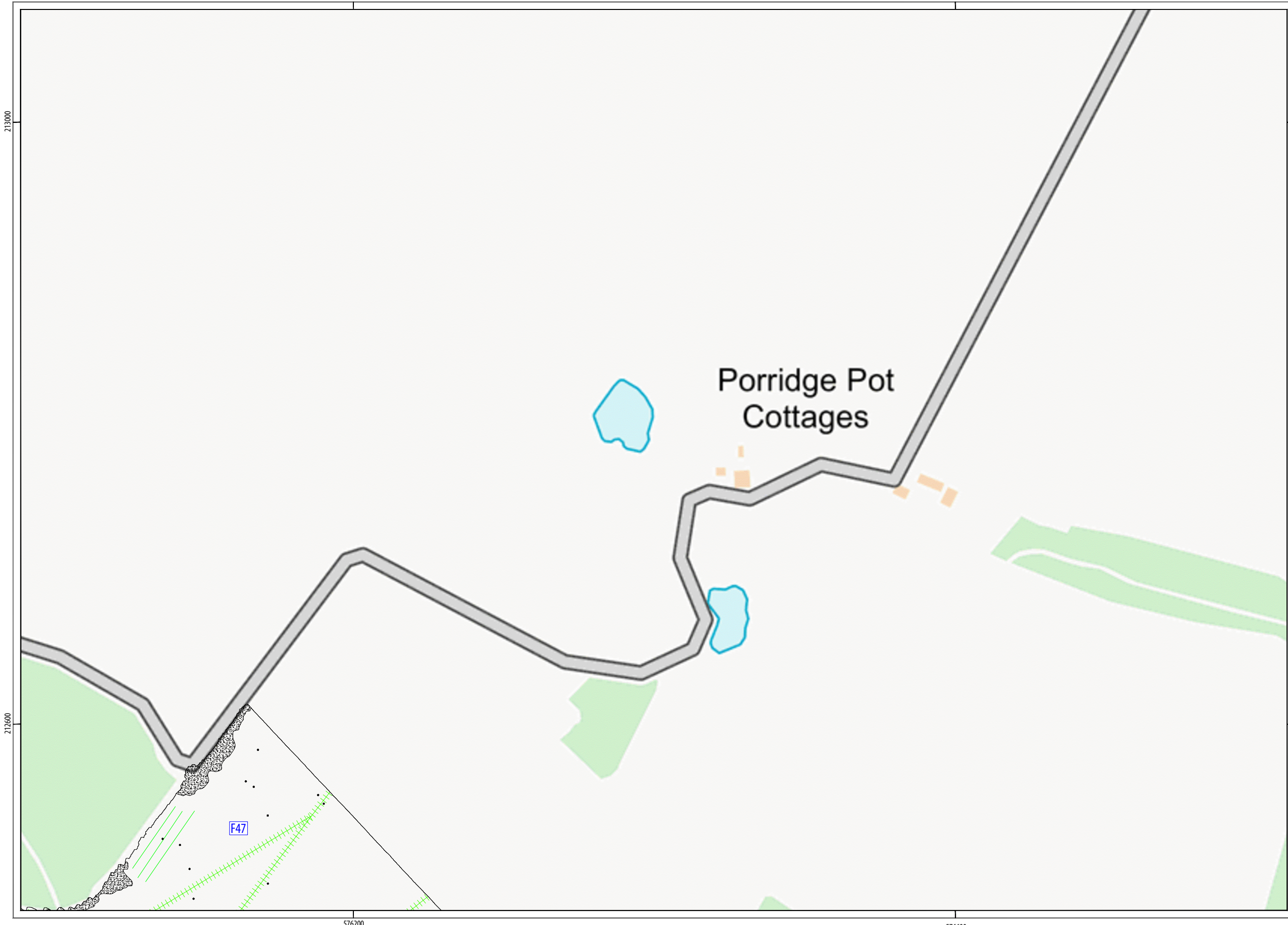


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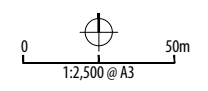


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ILLUS 65 XY trace plot of minimally processed magnetometer data; Area 18



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

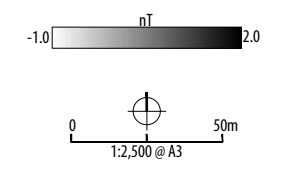


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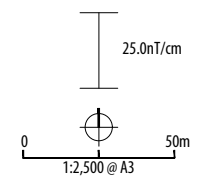
ILLUS 66 Interpretation of magnetometer data; Area 18



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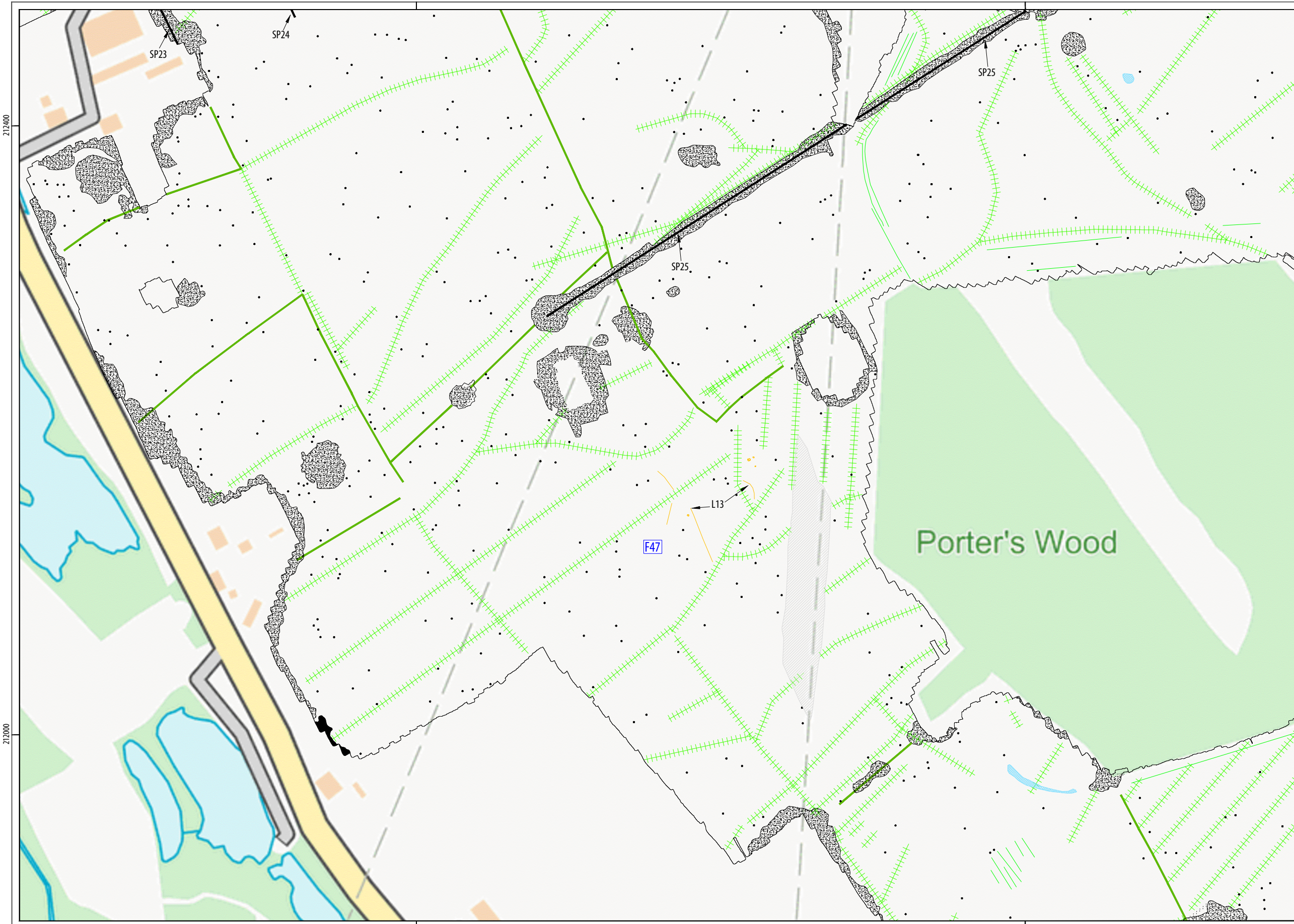


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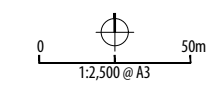
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ILLUS 68 XY trace plot of minimally processed magnetometer data; Area 19



TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— dipolar linear	service pipe
— magnetic interference	overhead cables
— linear trend	agricultural
— linear trend	field drain
— linear	former field boundary
— magnetic enhancement	geology
— linear trend	archaeology?
— magnetic enhancement	archaeology?

ABBREVIATIONS	MEANING
SP	service pipe
L	linear



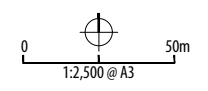
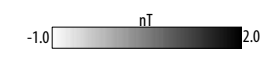
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Lost Wood



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