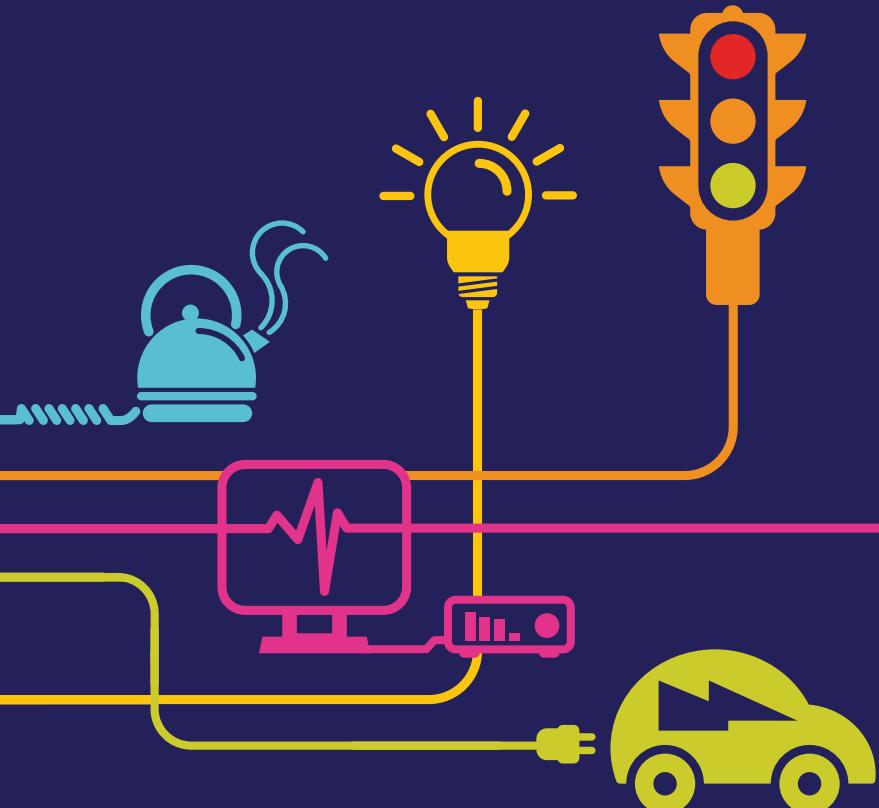


## Environmental Statement Historic Environment Appendix 11C Part 3

Hinkley Point C Connection Project

*Regulation 5(2)(a) of the Infrastructure Planning  
(Applications: Prescribed Forms and Procedure)  
Regulations 2009*



# Environmental Statement

## Hinkley Point C Connection Project

### 5.11.2 – Historic Environment – Appendices (orange highlight indicates the contents of this Volume)

Appendix	Title
<b>Volume 5.11.2.1</b>	
11A	Historic Environment Desk-based Assessment (Part 1)
<b>Volume 5.11.2.2</b>	
11A	Historic Environment Desk-based Assessment (Part 2)
<b>Volume 5.11.2.3</b>	
11A	Historic Environment Desk-based Assessment (Part 3)
<b>Volume 5.11.2.4</b>	
11A	Historic Environment Desk-based Assessment (Part 4)
<b>Volume 5.11.2.5</b>	
11B	Assessment of Effects of Proposed Development on the Settings of Heritage Assets
<b>Volume 5.11.2.6</b>	
11C	Archaeological Geophysical Survey (Part 1)
<b>Volume 5.11.2.7</b>	
11C	Archaeological Geophysical Survey (Part 2)
<b>Volume 5.11.2.8</b>	
11C	Archaeological Geophysical Survey (Part 3)
<b>Volume 5.11.2.9</b>	
11C	Archaeological Geophysical Survey (Part 4)
<b>Volume 5.11.2.10</b>	
11D	Archaeological Trial Trenching Survey
11E	Geoarchaeological Desk-based Assessment and Field Survey

Document Control			
Document Properties			
Organisation		National Grid	
Author		Oxford Archaeology	
Approved By		Tom Wilson/Helena Kelly	
Title		Environmental Statement – Historic Environment- Appendices	
Document Reference		Volume 5.11.2.8	
Date	Version	Status	Description/Changes
09/05/14	A	Live	Final version for DCO submission

## Appendix 11C – Archaeological Geophysical Survey





Title					
NATIONAL GRID (HINKLEY C PROJECT) ENVIRONMENTAL STATEMENT					
STUDY AREA C MENDIP HILLS AONB					
ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 1					
Magnetometer survey: graphical plot with interpretation					
 Oxford Archaeology, James House, Dansey Mead, Oxford OX2 0ES					
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DRAWING No.		SCALE		1:1250	
		ISSUE		A	
SHEET 39 of 106					



### Key

50 nT

-  magnetic anomalies  
(archaeological ?)
-  recent magnetic  
disturbances ?
-  broad / weak natural  
magnetic anomalies  
(wetland)
-  small background  
magnetic anomalies  
(natural / non-  
archaeological ?)
-  cultivation
-  pipe
-  drain ?
-  strong (ferrous)  
magnetic anomalies

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Title **NATIONAL GRID  
(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT**

#### **STUDY AREA C MENDIP HILLS AONB**

## ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 1

## Magnetometer survey: graphical plot with interpretation



Oxford Archaeology, James House, Osney Mead, Oxford

FIGURE No.  GIS

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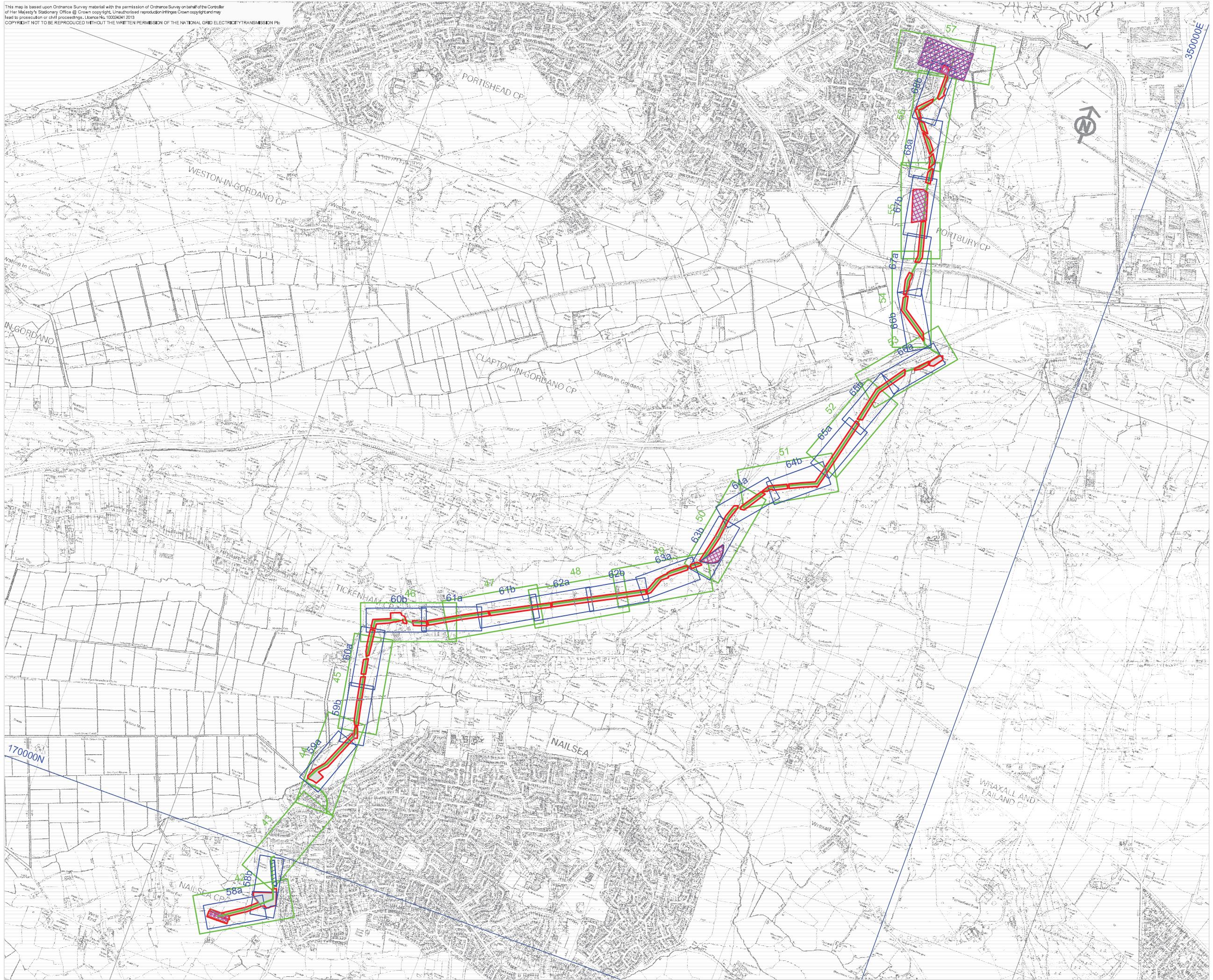
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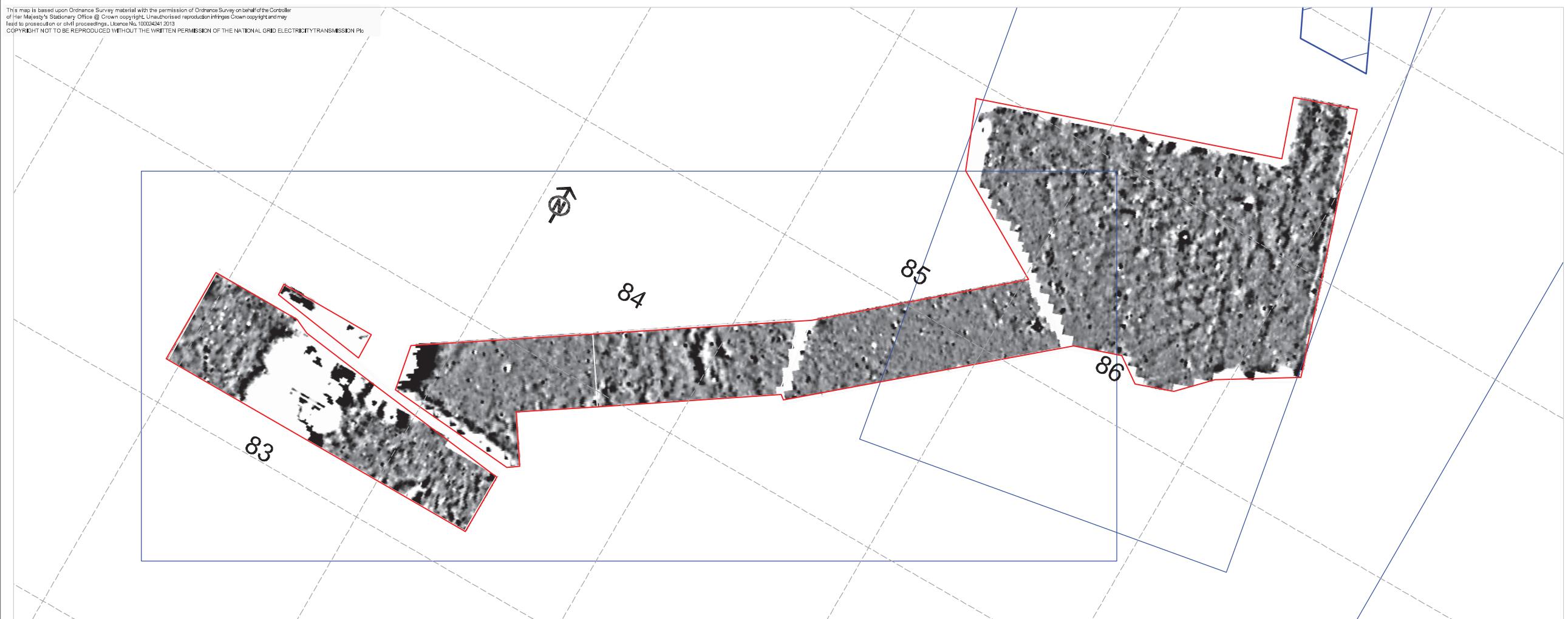
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SHEET 40 of 106

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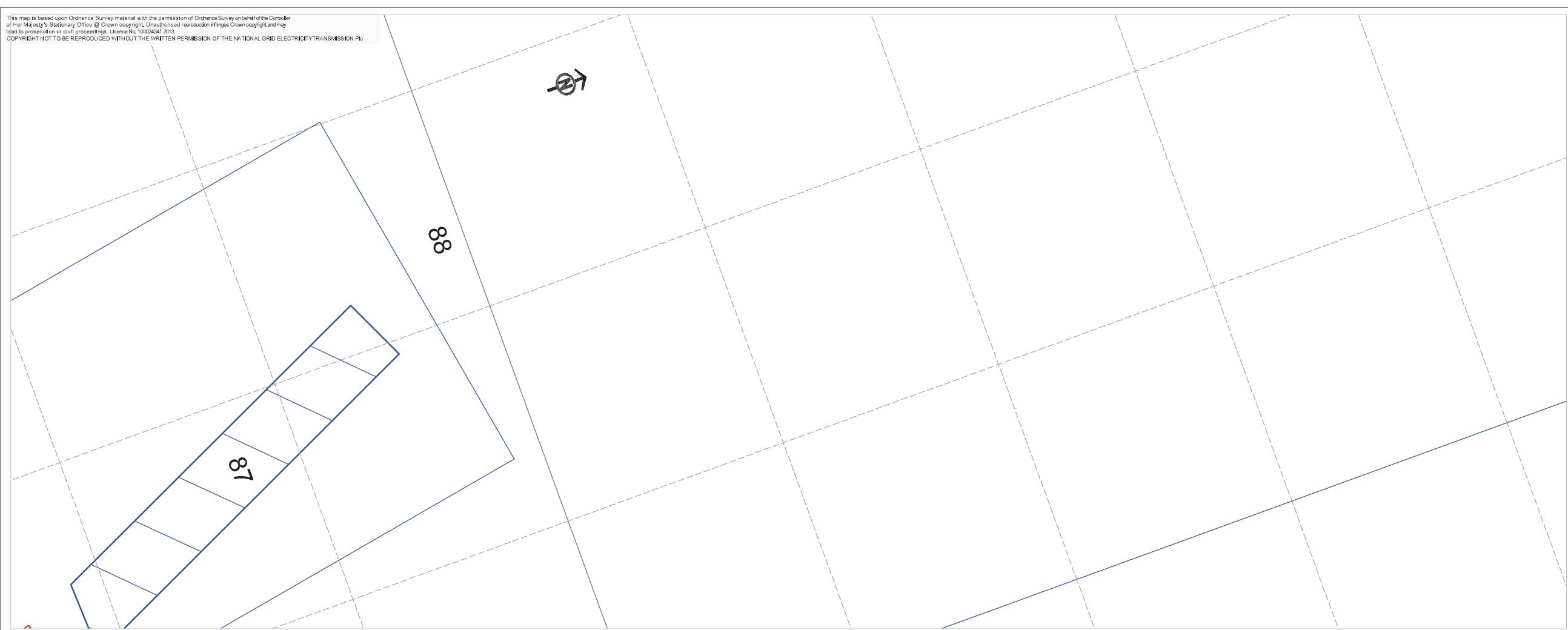


Key

2.2 nT  
-2.0

- magnetic anomalies (archaeological ?)
- recent magnetic disturbances ?
- broad / weak natural magnetic anomalies (wetland)
- small background magnetic anomalies (natural / non-archaeological ?)
- cultivation
- pipe
- drain ?
- strong (ferrous) magnetic anomalies

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NAILSEA TO PORTISHEAD 132kV W ROUTE					
ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 2					
Magnetometer survey (grey scale plot) and interpretation					
oxford archaeology Oxford Archaeology, James House, Dansey Mead, Oxford OX2 0ES					
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DRAWING No.		SCALE 1:2000			
		ISSUE A			
SHEET 42 of 106					



### Key



-  magnetic anomalies  
(archaeological ?)
-  recent magnetic  
disturbances ?
-  broad / weak natural  
magnetic anomalies  
(wetland)
-  small background  
magnetic anomalies  
(natural / non-  
archaeological ?)
-  cultivation
-  pipe
-  drain ?
-  strong (ferrous)  
magnetic anomalies

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Scale 1:2000 @ A3

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Title

**NATIONAL GRID  
(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT**

## **NAILSEA TO PORTISHEAD 132kV W ROUTE**

## ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 2

## Magnetometer survey (grey scale plot) and interpretation



Journal of World Archaeology, James House, Osney Mead, Oxford

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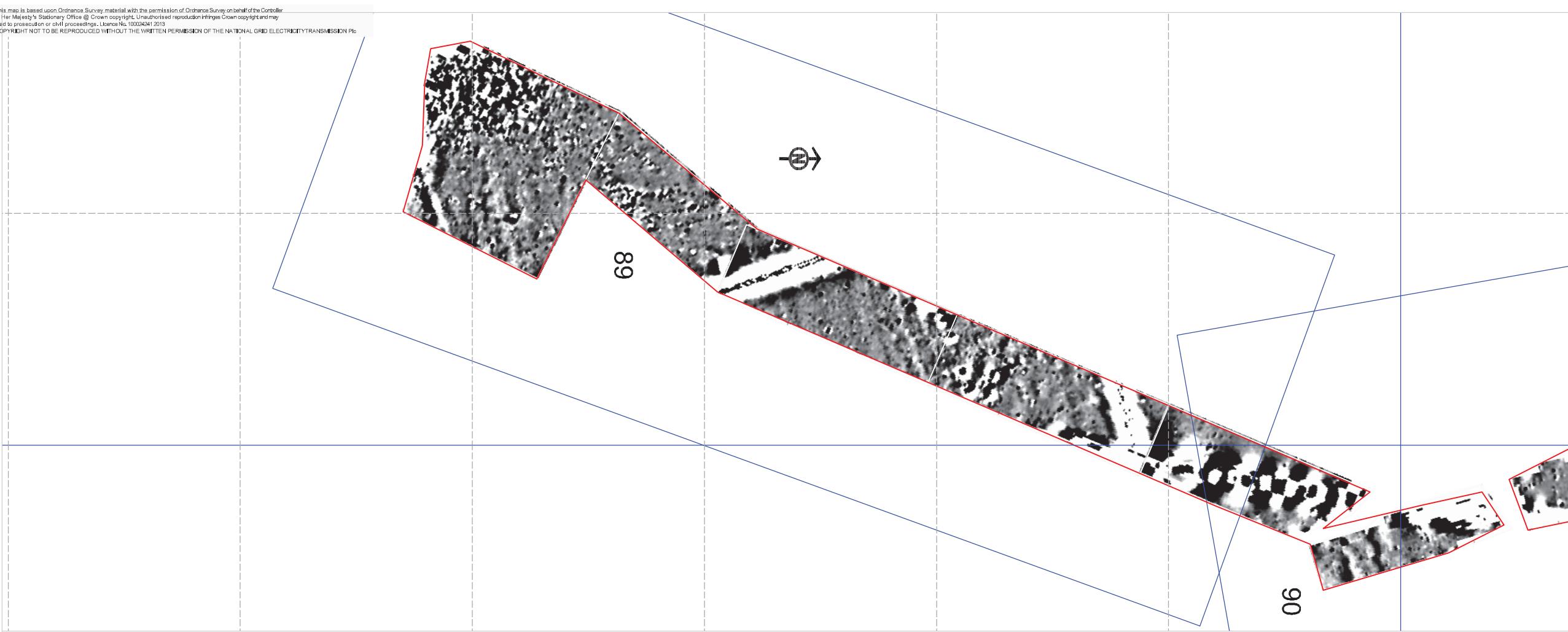
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SHEET 43 of 106

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Page 1 of 1



Key

- 2.2 nT
- 2.0
- magnetic anomalies (archaeological ?)
- recent magnetic disturbances ?
- broad / weak natural magnetic anomalies (wetland)
- small background magnetic anomalies (natural / non-archaeological ?)
- cultivation
- pipe
- drain ?
- strong (ferrous) magnetic anomalies



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(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT

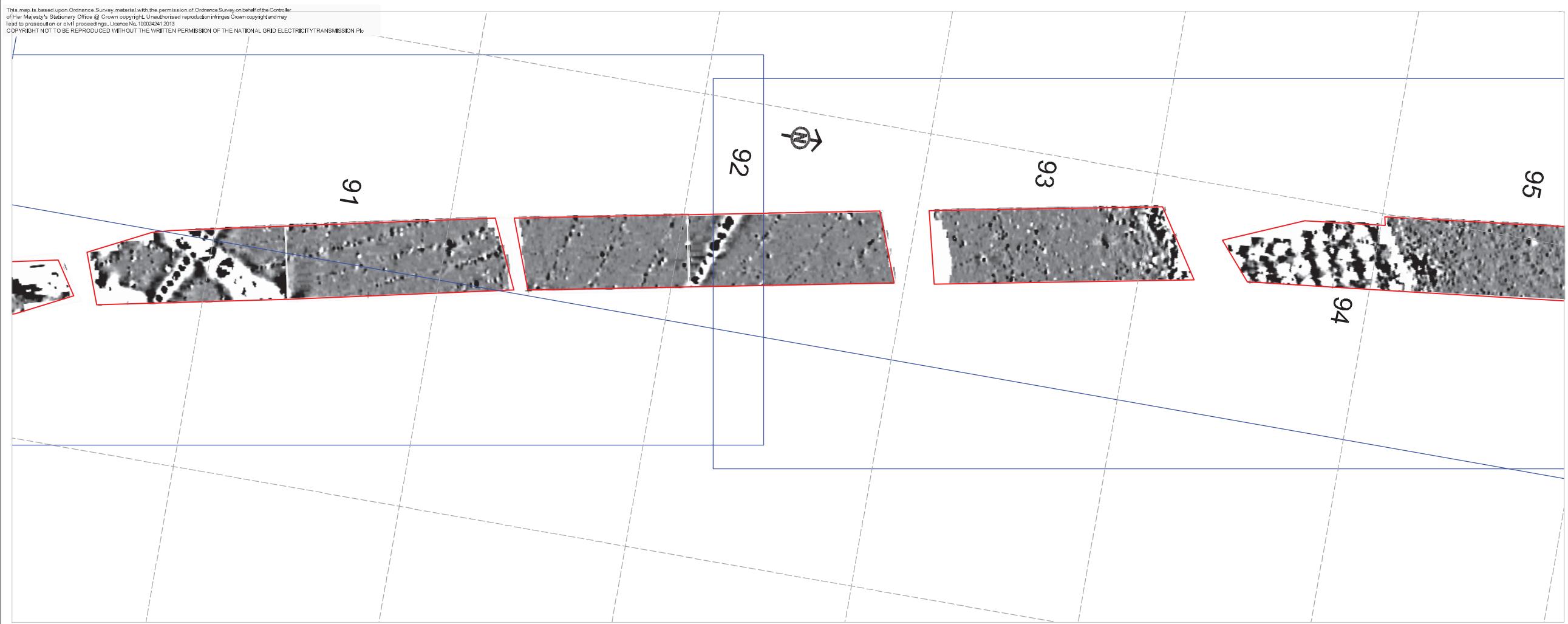
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132kV W ROUTE

ARCHAEOLOGICAL GEOPHYSICAL  
SURVEY: PART 2

Magnetometer survey  
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and interpretation

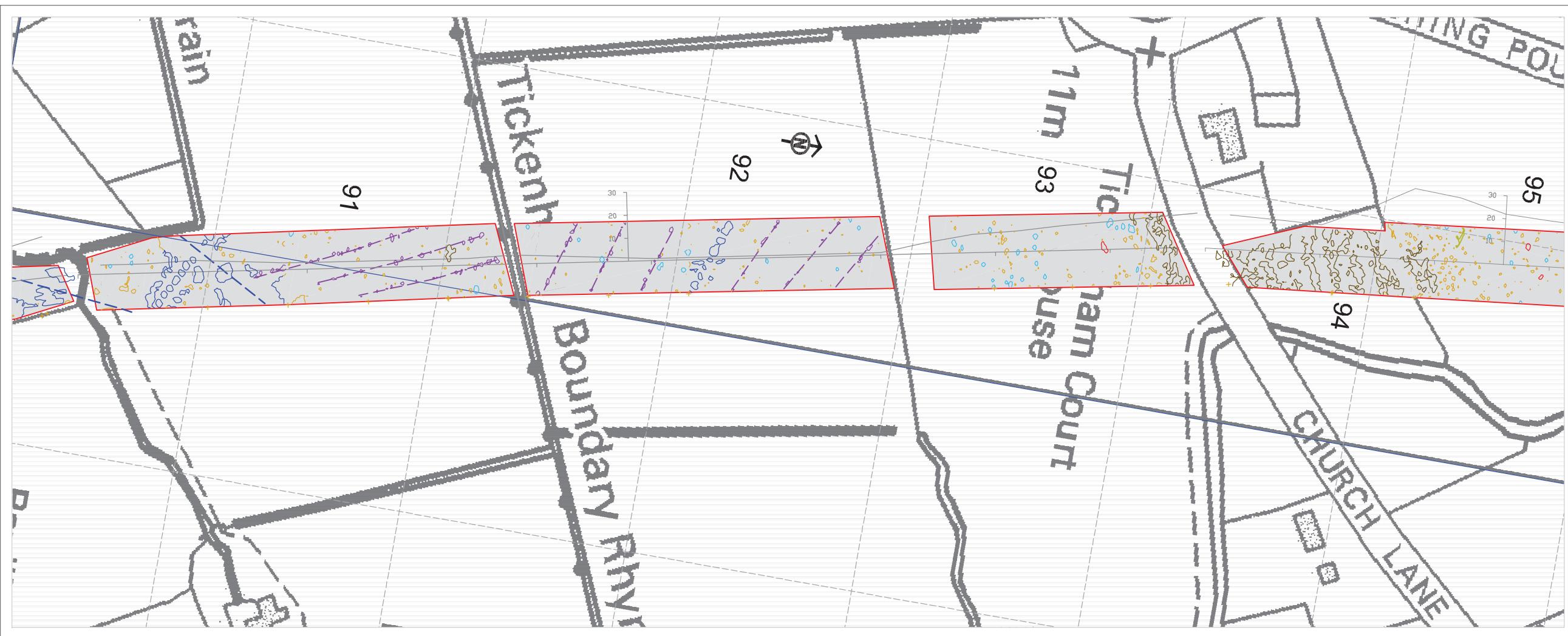
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Oxford Archaeology, James House, Dansey Mead, Oxford OX2 0ES

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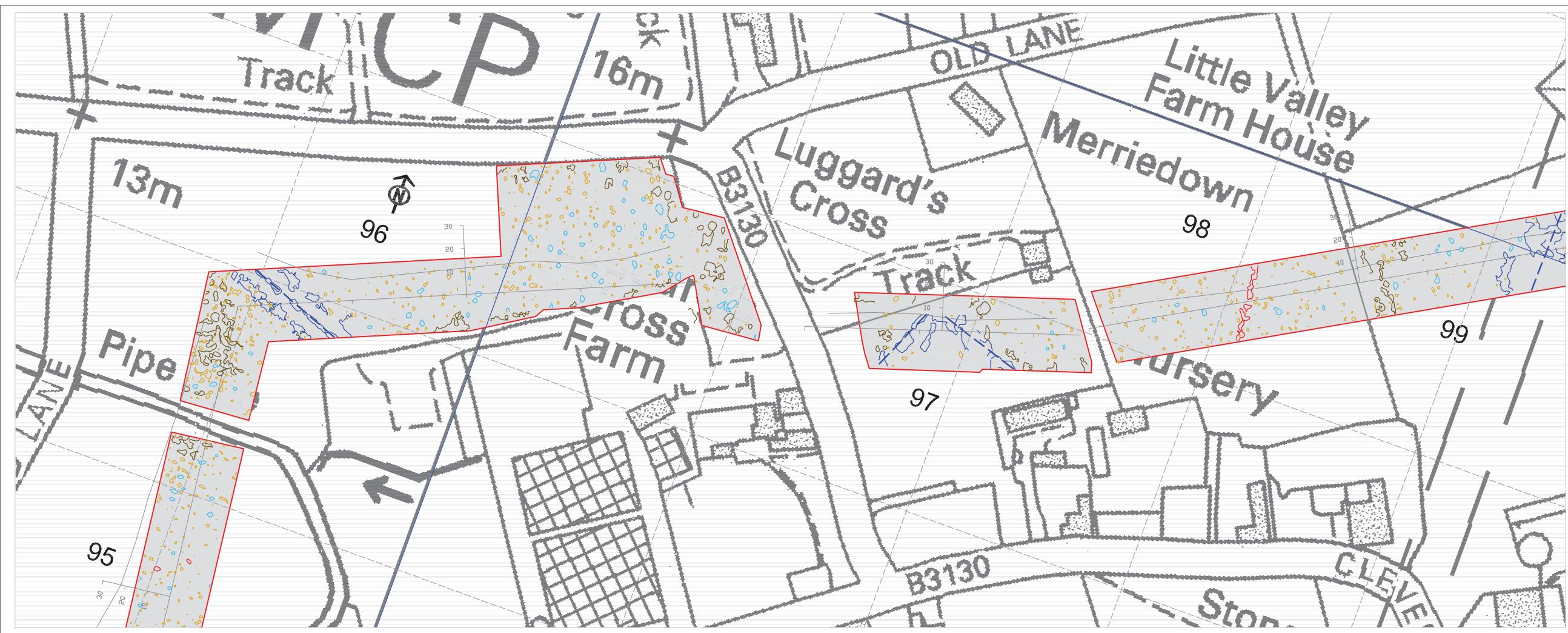
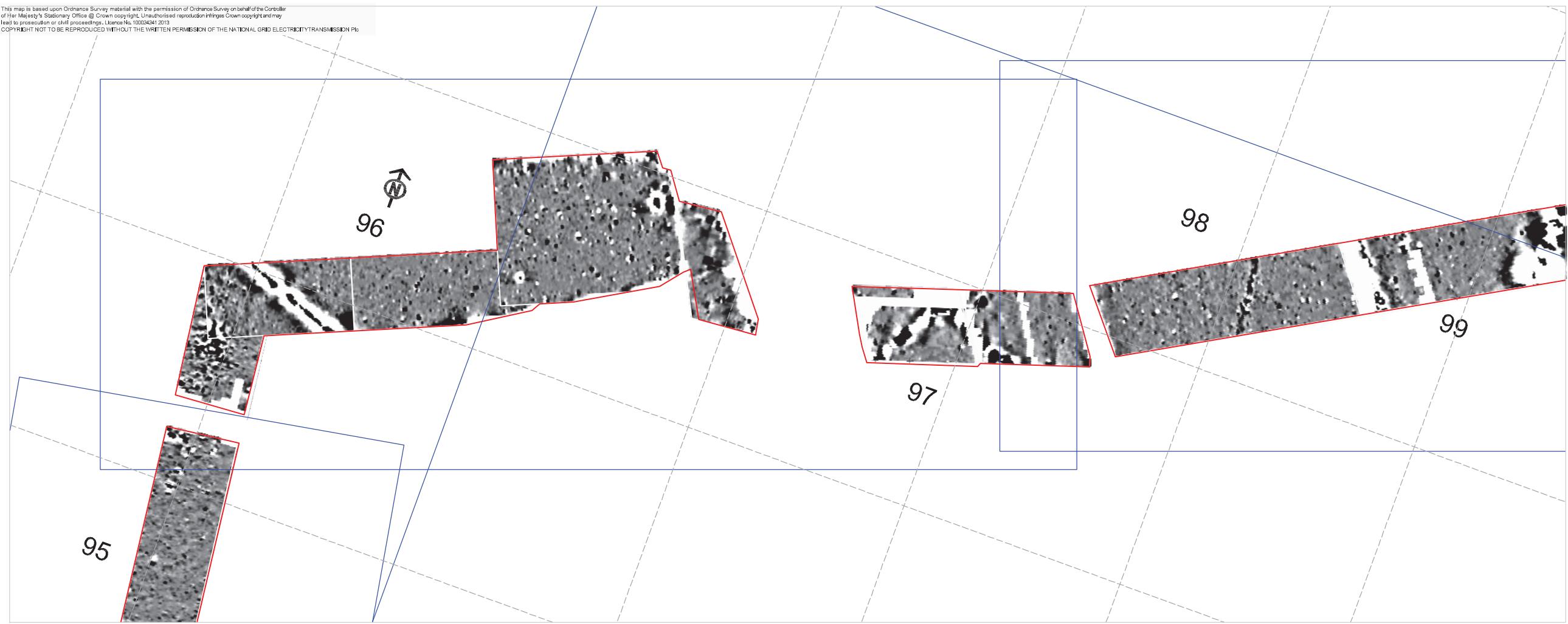


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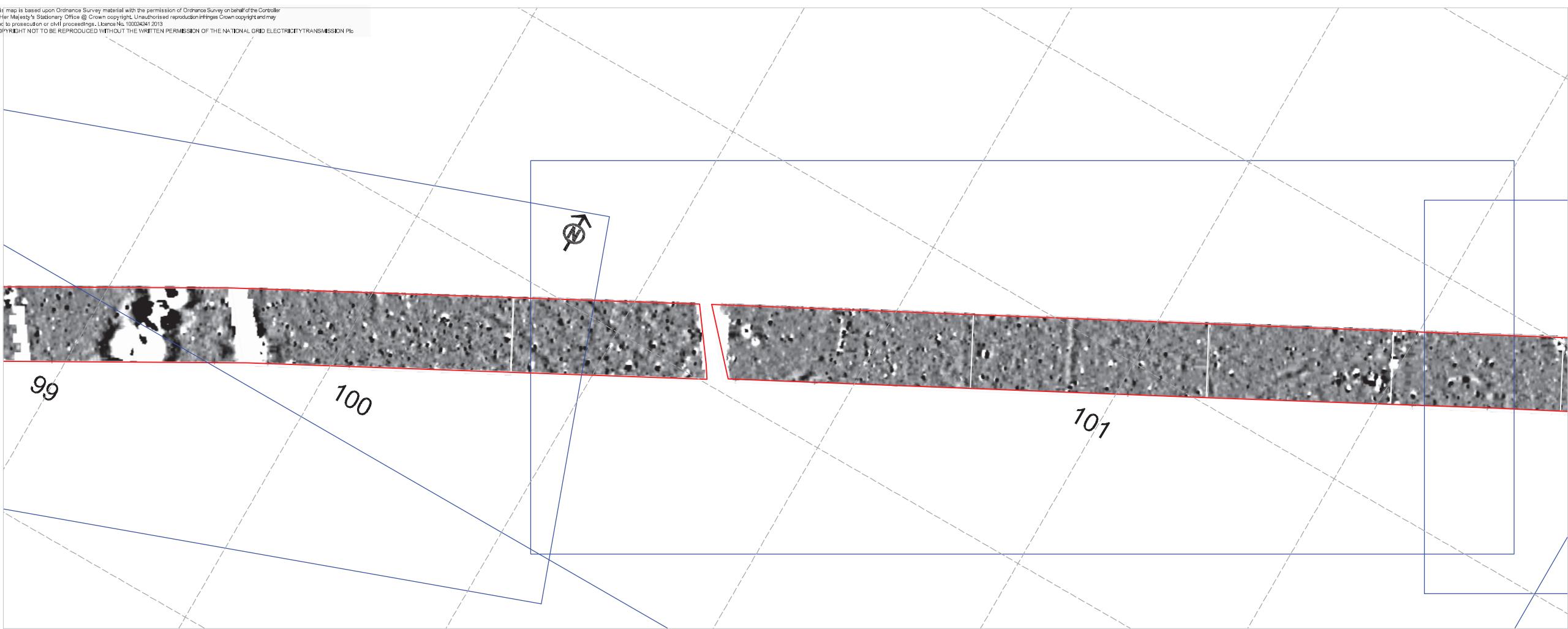
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- recent magnetic disturbances ?
- broad / weak natural magnetic anomalies (wetland)
- small background magnetic anomalies (natural / non-archaeological ?)
- cultivation
- pipe
- drain ?
- strong (ferrous) magnetic anomalies



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<b>NAILSEA TO PORTISHEAD 132kV W ROUTE</b>					
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Magnetometer survey (grey scale plot) and interpretation					
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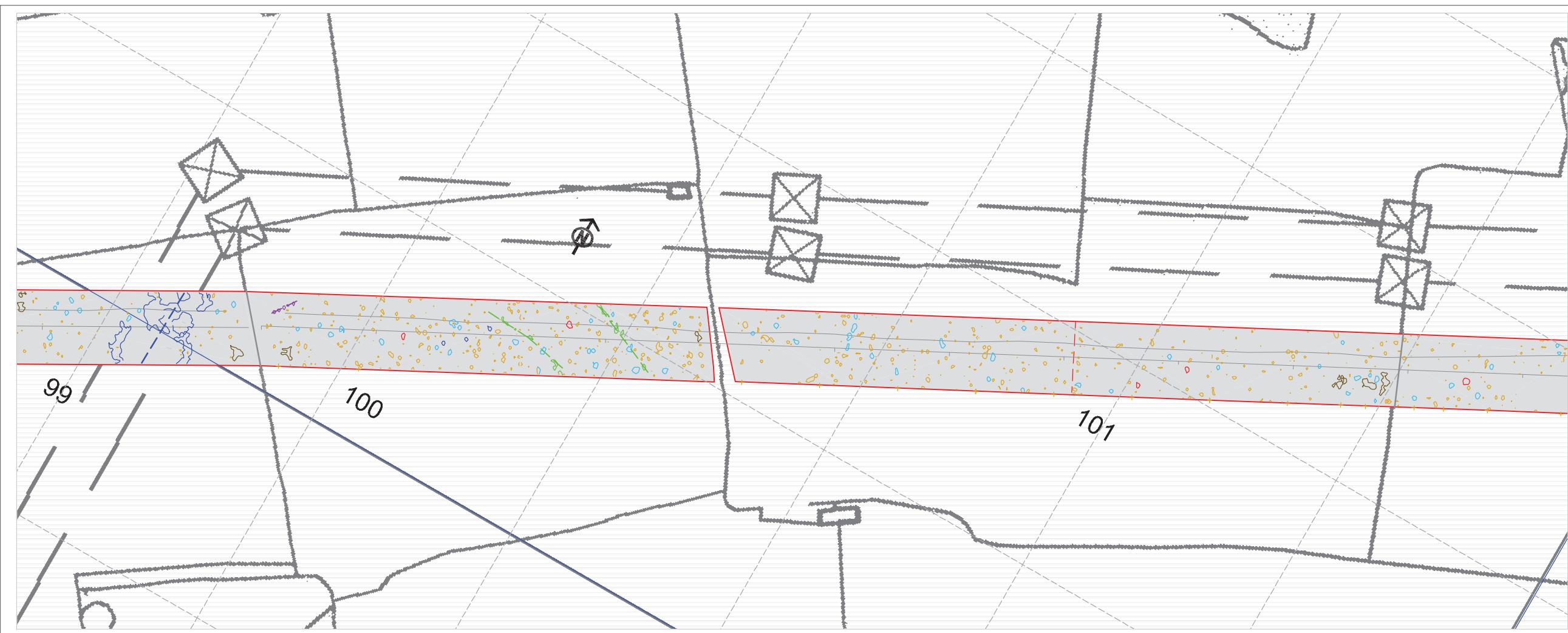


Key



Key

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- recent magnetic disturbances ?
- broad / weak natural magnetic anomalies (wetland)
- small background magnetic anomalies (natural / non-archaeological ?)
- cultivation
- pipe
- drain ?
- strong (ferrous) magnetic anomalies



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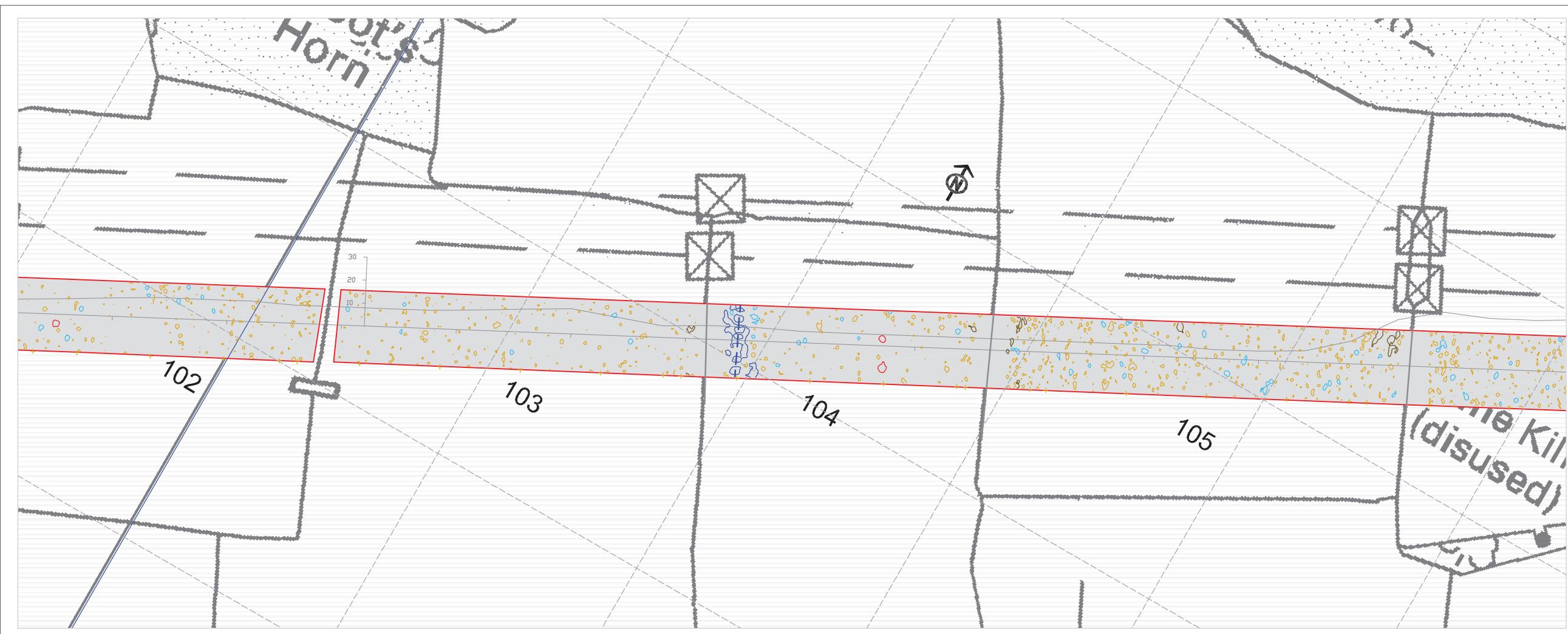
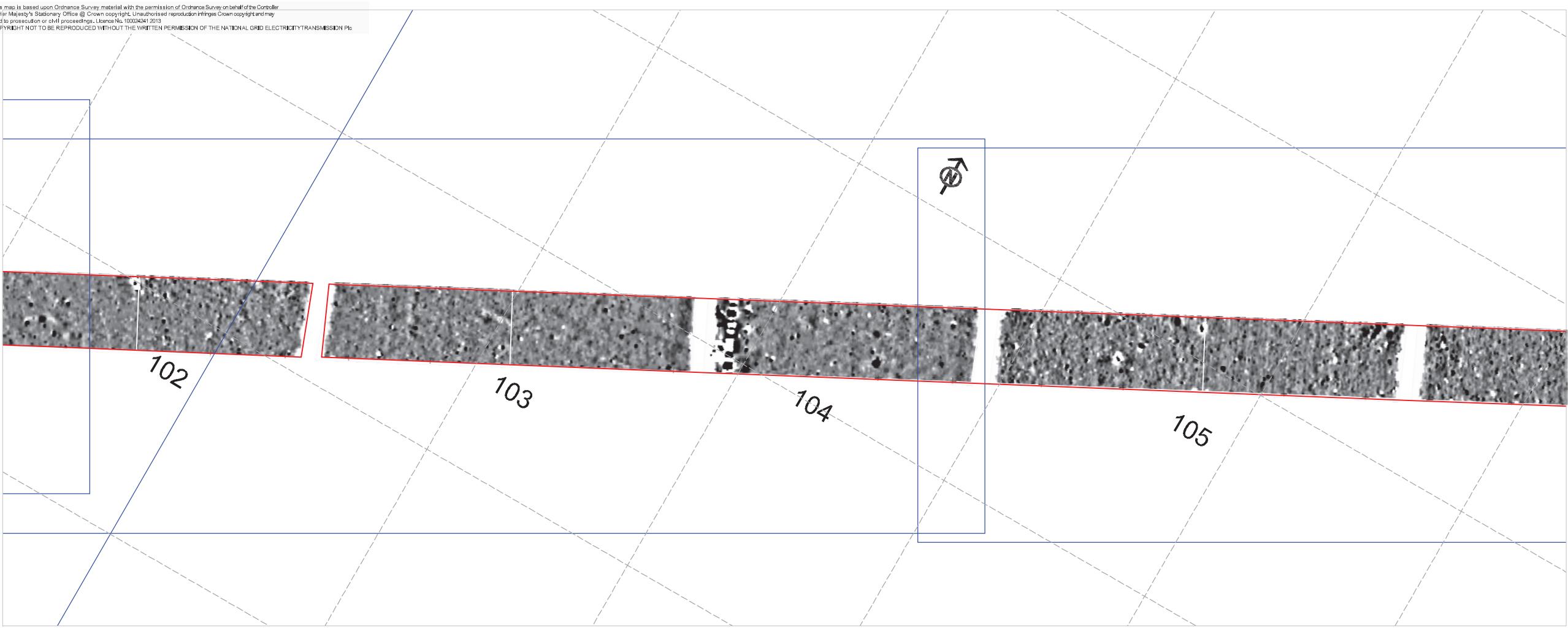
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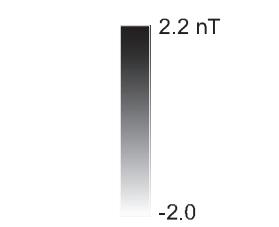
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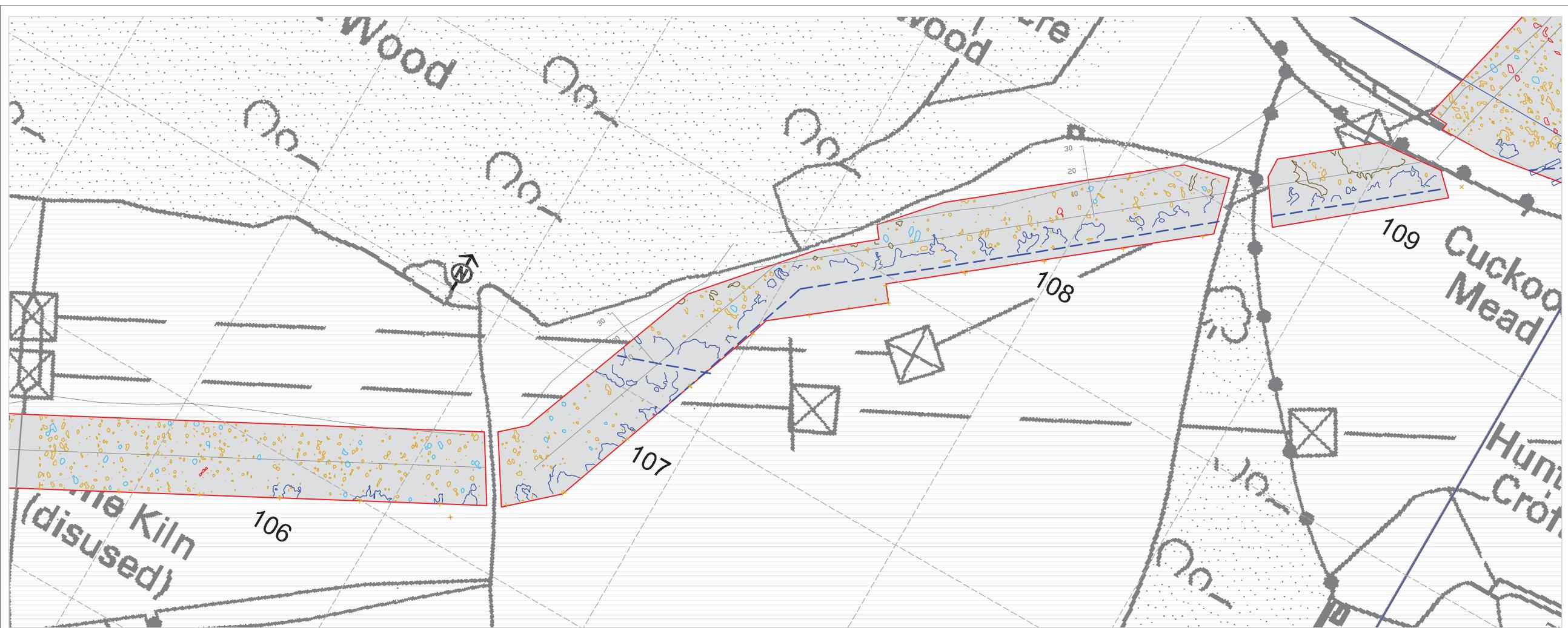
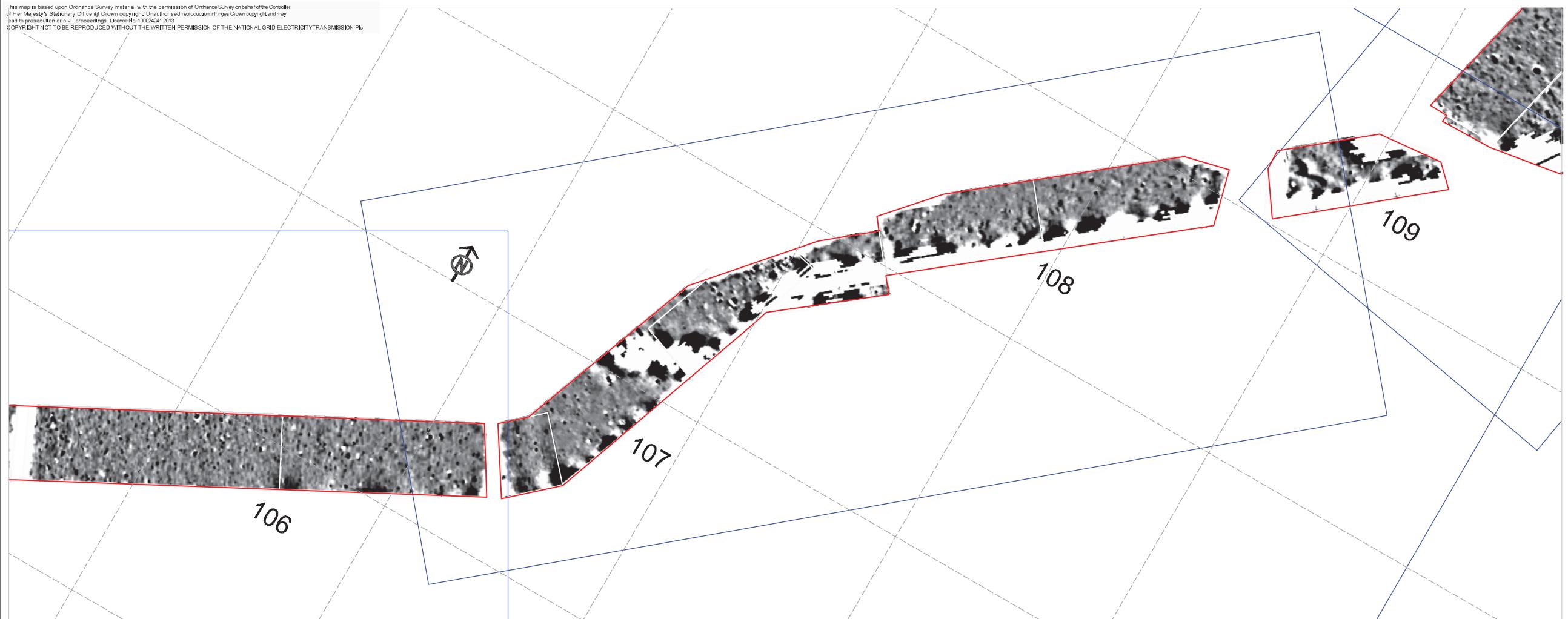
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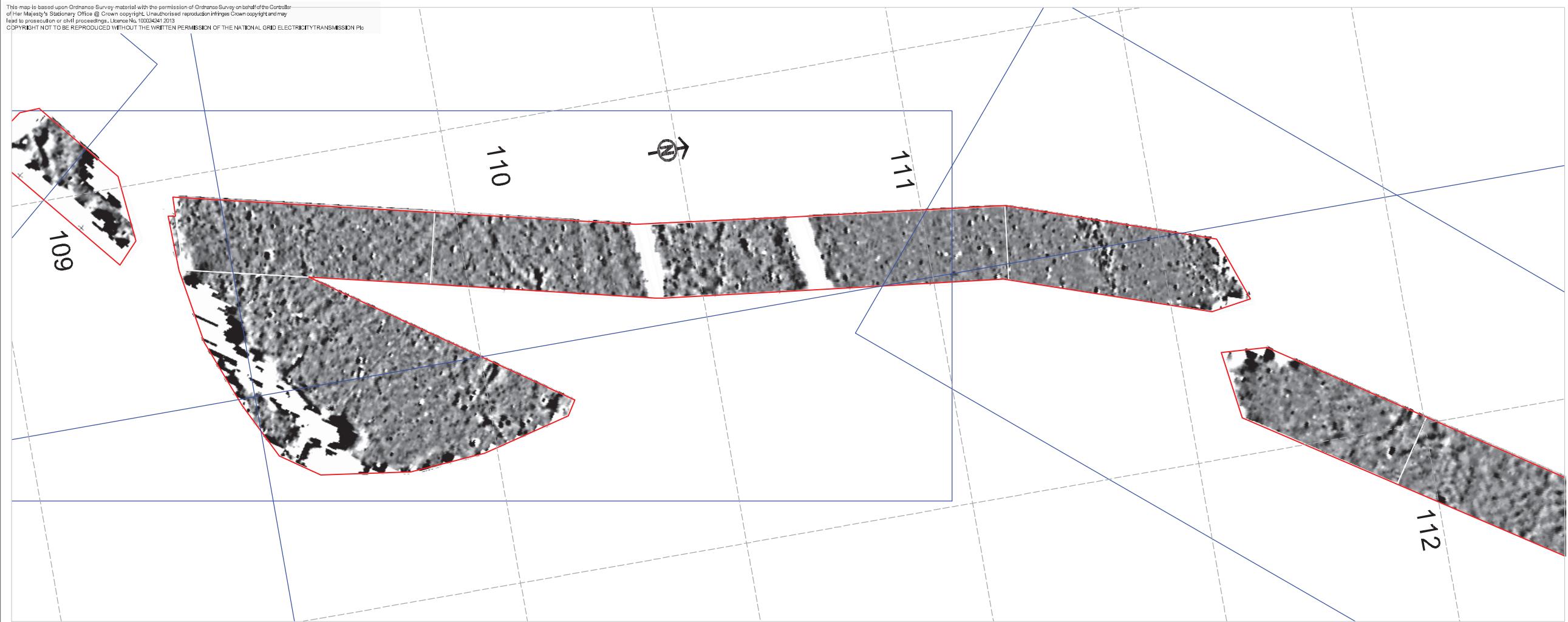
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- recent magnetic disturbances ?
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- cultivation
- pipe
- drain ?
- strong (ferrous) magnetic anomalies



Key



- magnetic anomalies (archaeological ?)
- recent magnetic disturbances ?
- broad / weak natural magnetic anomalies (wetland)
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- strong (ferrous) magnetic anomalies

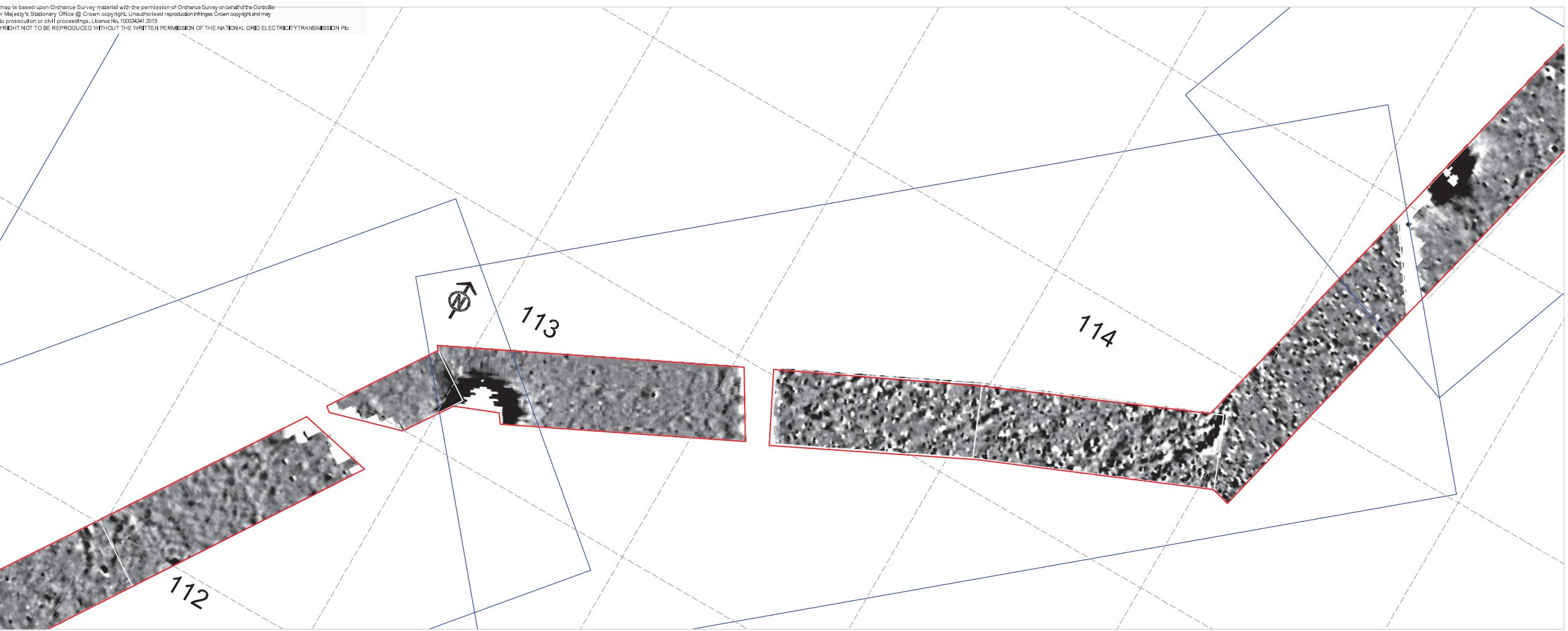


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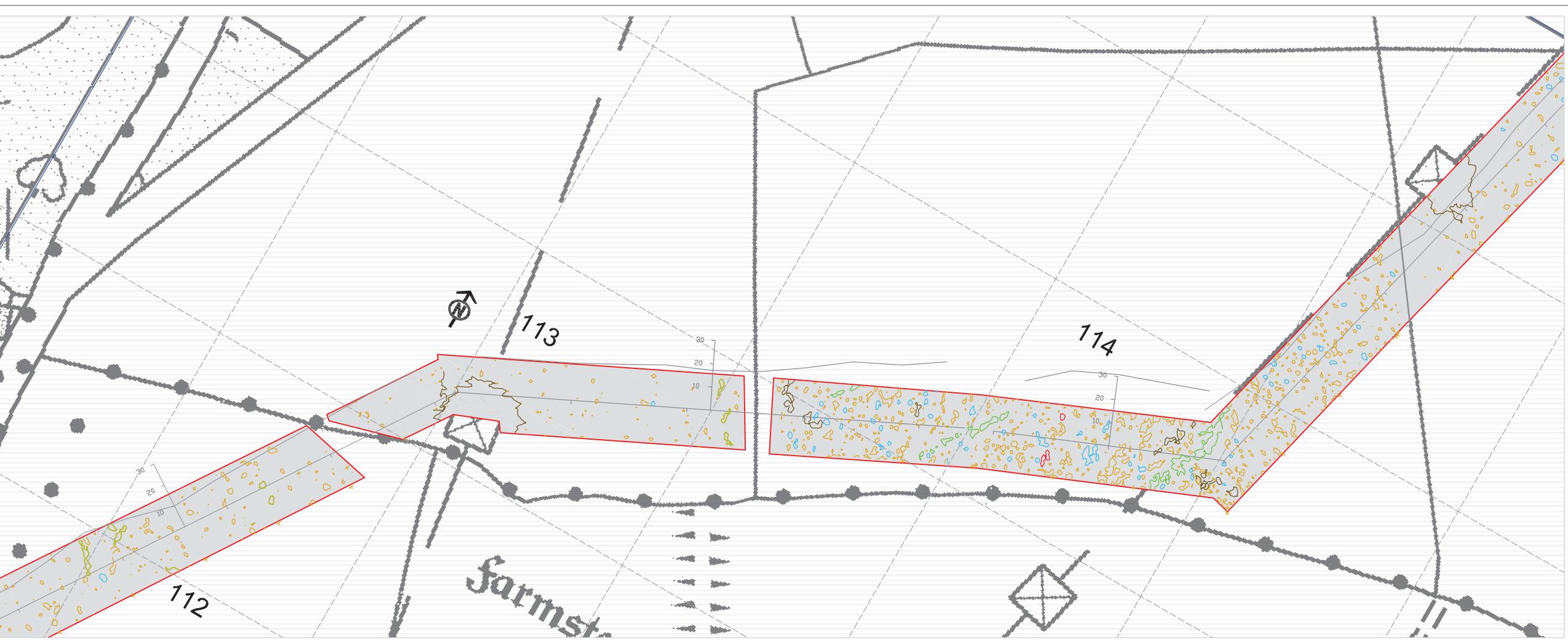
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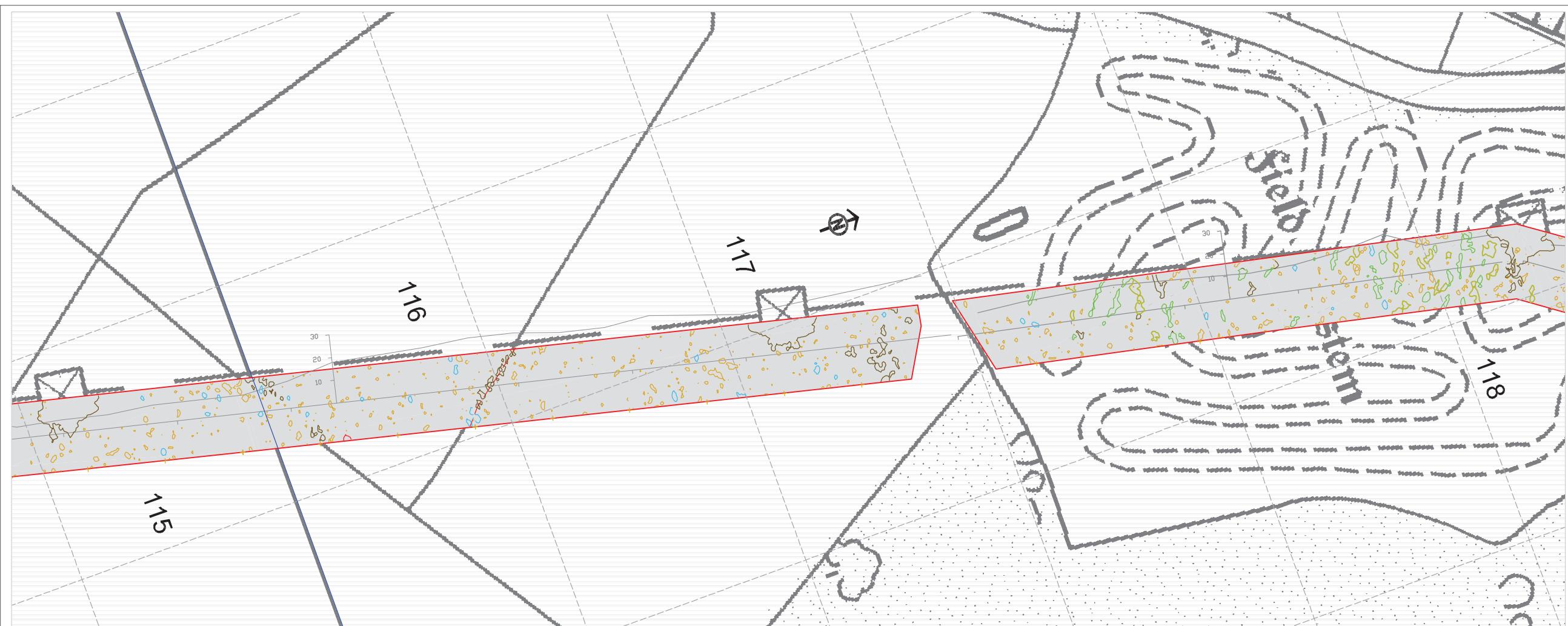
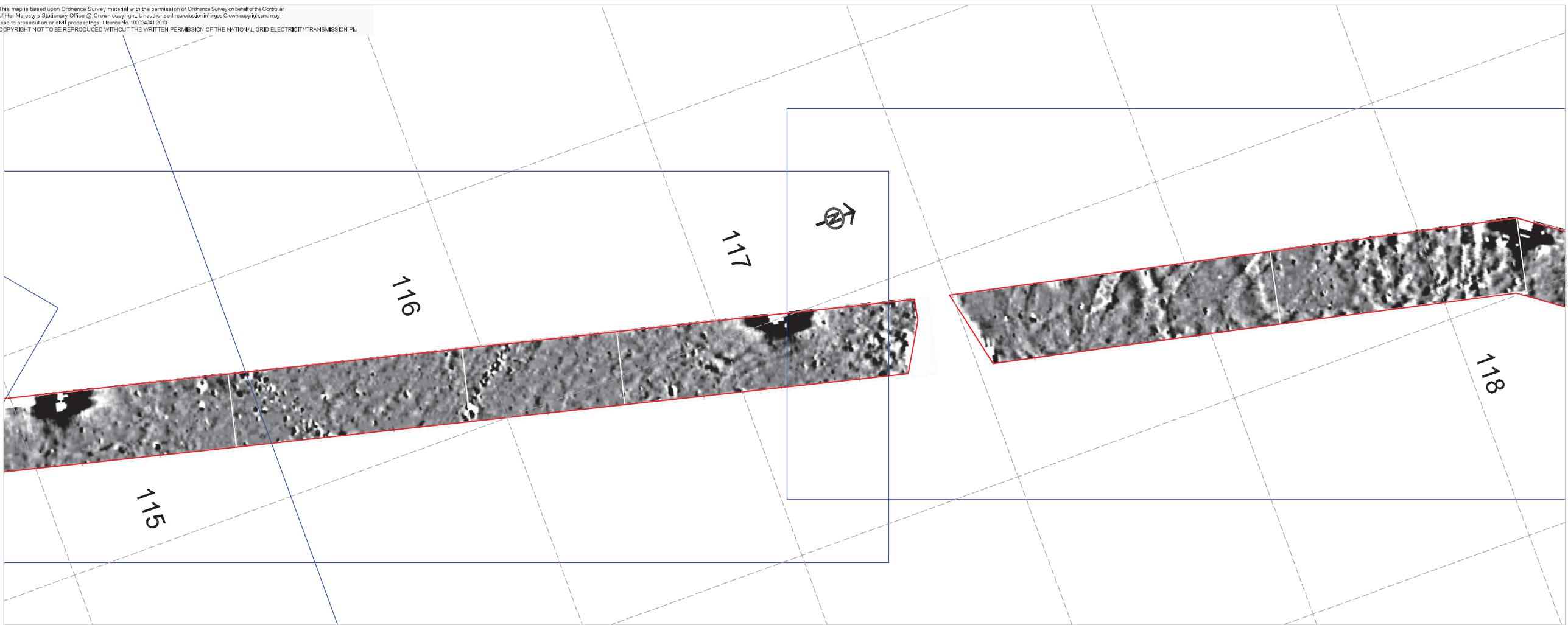


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Key





### Key



-  magnetic anomalies  
(archaeological ?)
-  recent magnetic  
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-  broad / weak natural  
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-  pipe
-  drain ?
-  strong (ferrous)  
magnetic anomalies

0 100m  
Scale 1:2000 @ A3

Title

**NATIONAL GRID  
(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT**

**NAILSEA TO PORTISHEAD  
132kV W ROUTE**

## ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 2

## Magnetometer survey (grey scale plot) and interpretation

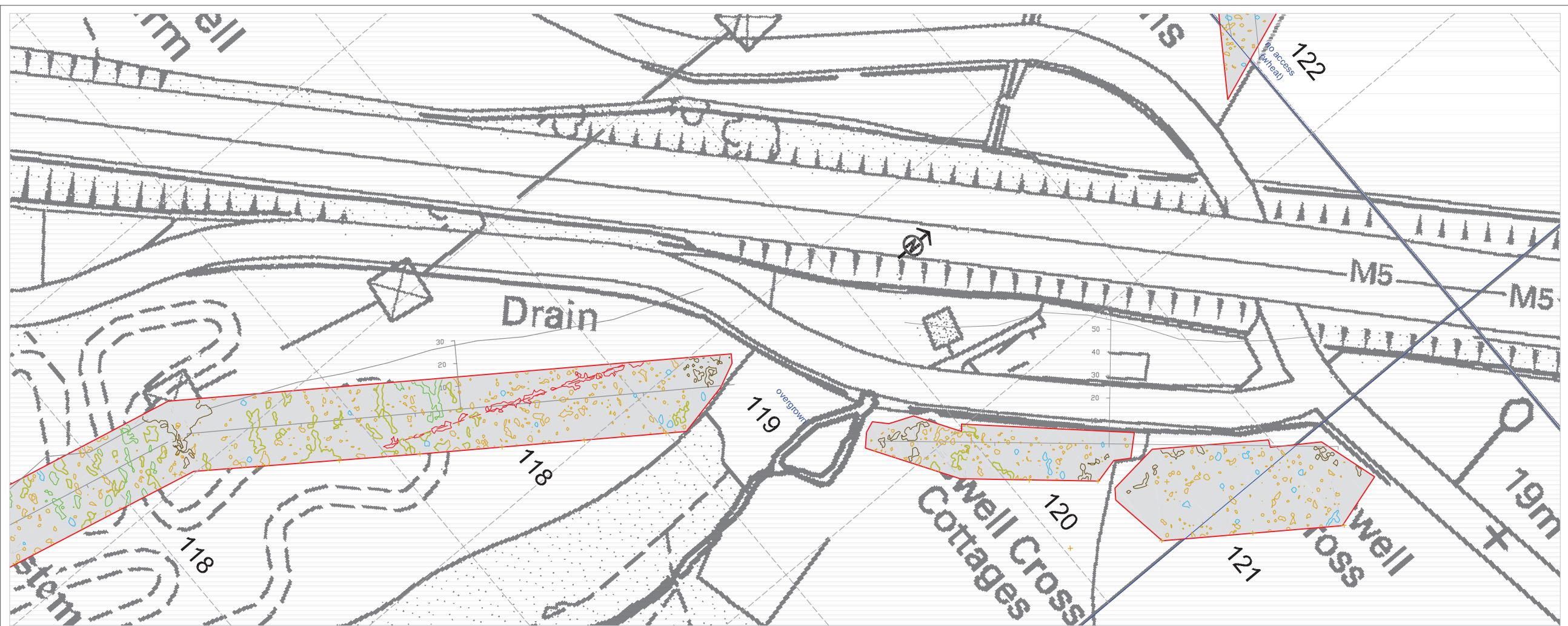
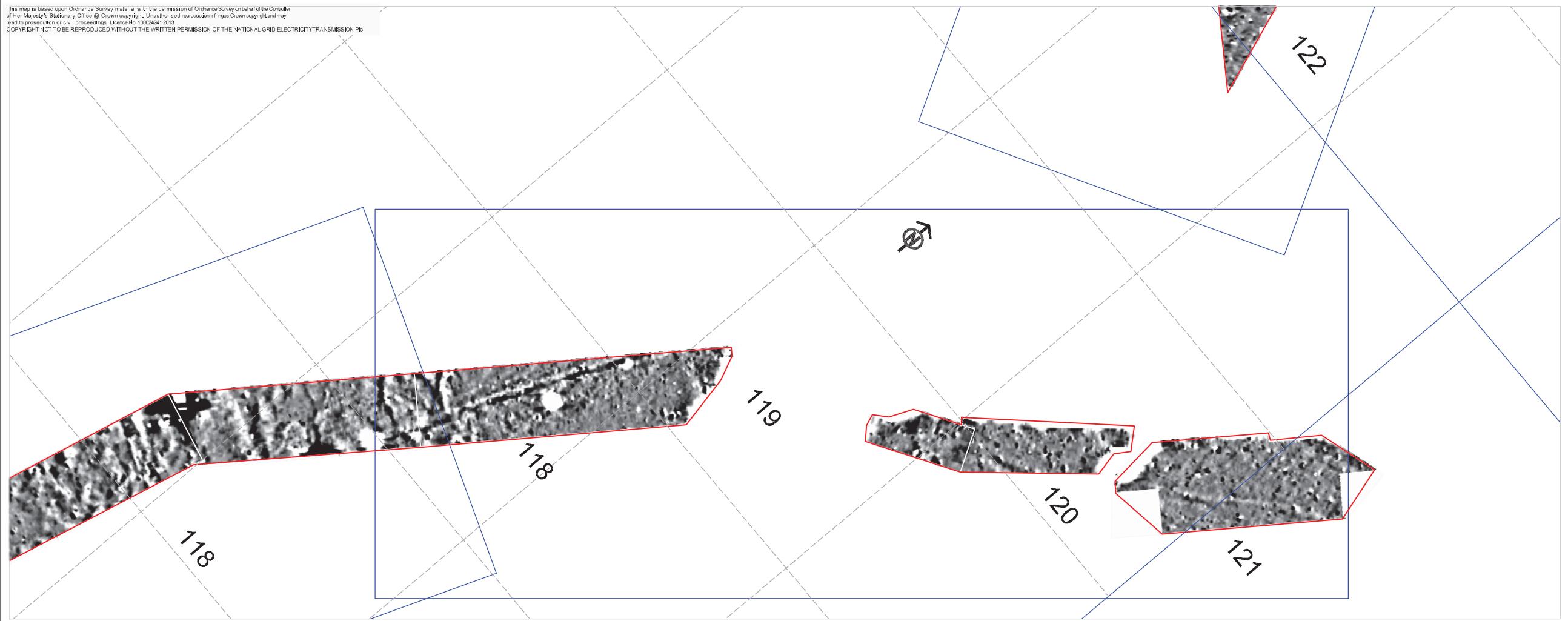


Journal of Roman Archaeology, Janus House, Osney Mead, Oxford

NG INVESTMENT No. 20897 FIGURE No. 52  **GIS**  
**TEP** **A3**

DRAWING No. SCALE  
A3  
1:2000

SHEET 52 of 106 ISSUE A



### Key



-  magnetic anomalies  
(archaeological ?)
-  recent magnetic  
disturbances ?
-  broad / weak natural  
magnetic anomalies  
(wetland)
-  small background  
magnetic anomalies  
(natural / non-  
archaeological ?)
-  cultivation
-  pipe
-  drain ?
-  strong (ferrous)  
magnetic anomalies

0 100m  
Scale 1:2000 @ A3

ISSUE	DATE	COMMENTS	DRAW	GUID	APPENDIX
A	19/06/2013				

Title

**NATIONAL GRID  
(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT**

**NAILSEA TO PORTISHEAD  
132kV W ROUTE**

## ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 2

## Magnetometer survey (grey scale plot) and interpretation

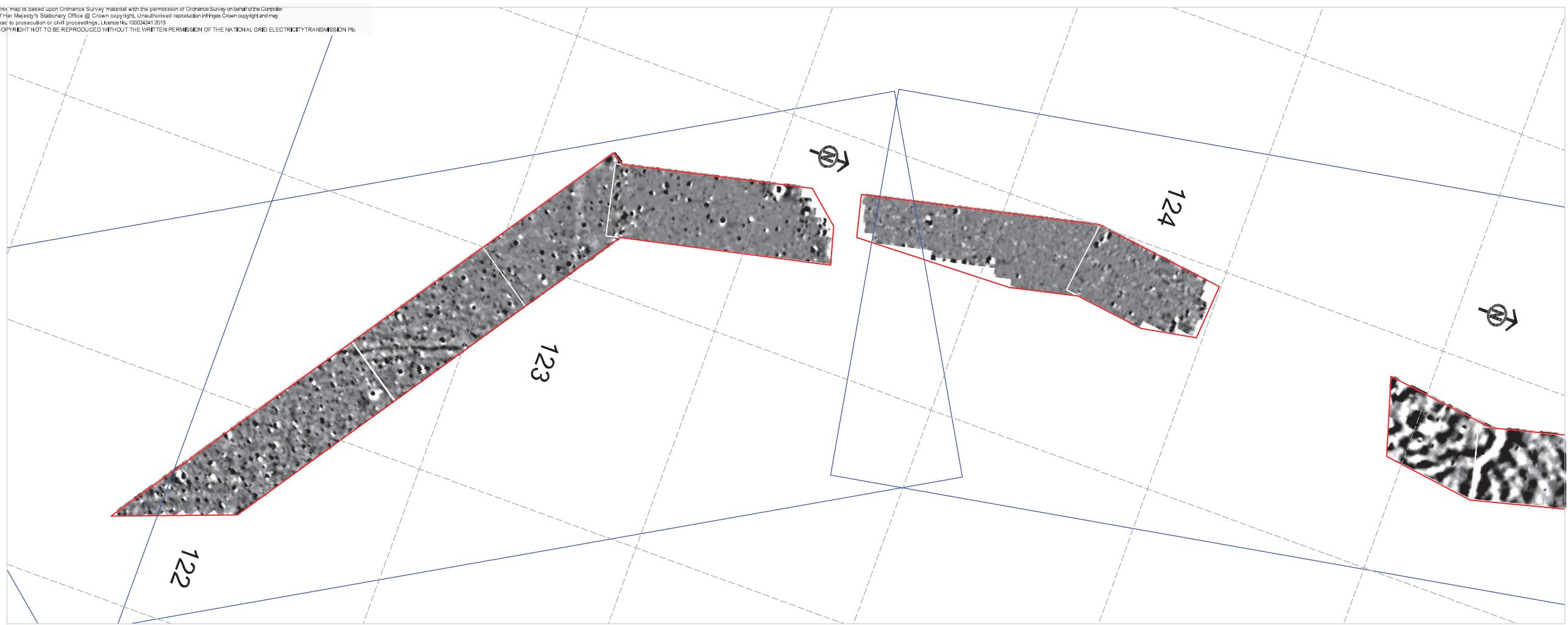


Journal of Oxford Archaeology, Janus House, Osney Mead, Oxford

NG INVESTMENT No. 20897 FIGURE No. 53  GIS A3

DRAWING No. SCALE  
1:2000

SHEET 53 of 106 ISSUE A



Key

0 100m  
Scale 1:2000 @ A3

A 19/09/2013  
ISSUE DATE COMMENTS DRAW CHKD APPD

Title  
NATIONAL GRID (HINKLEY C PROJECT) ENVIRONMENTAL STATEMENT

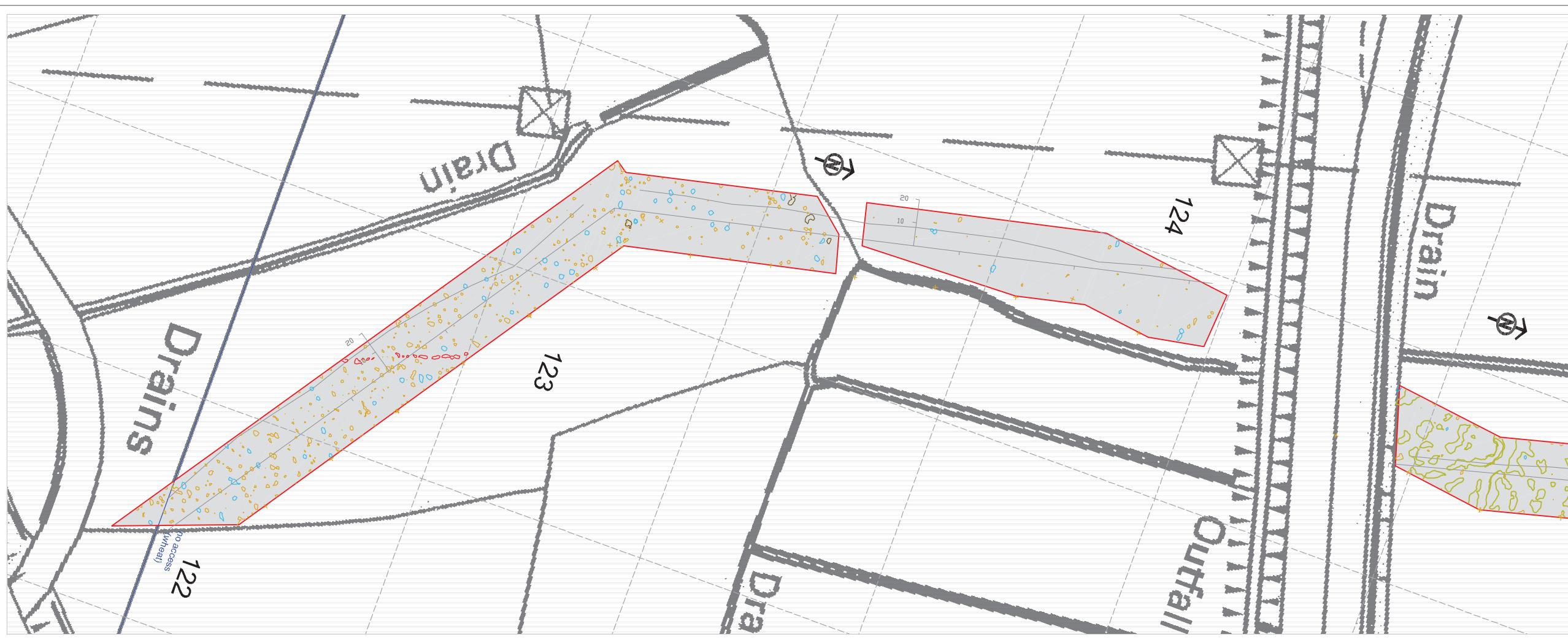
NAILSEA TO PORTISHEAD 132kV W ROUTE

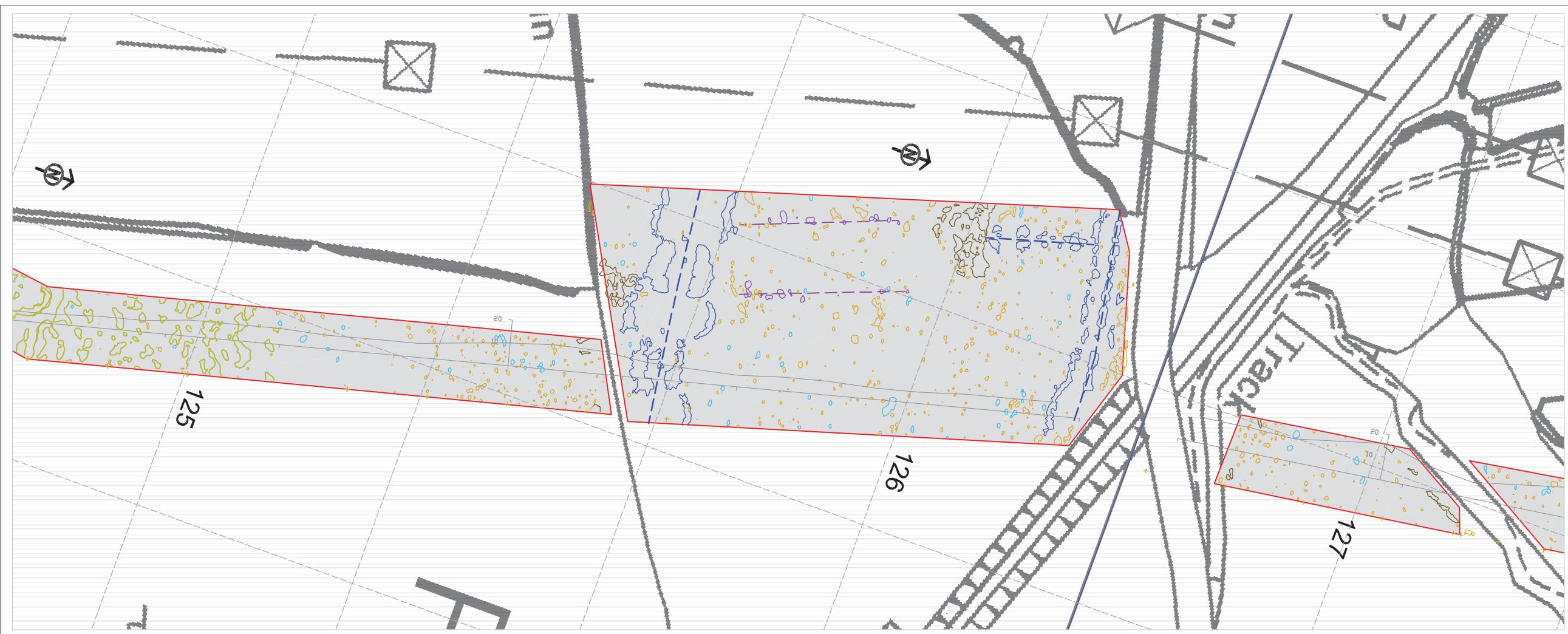
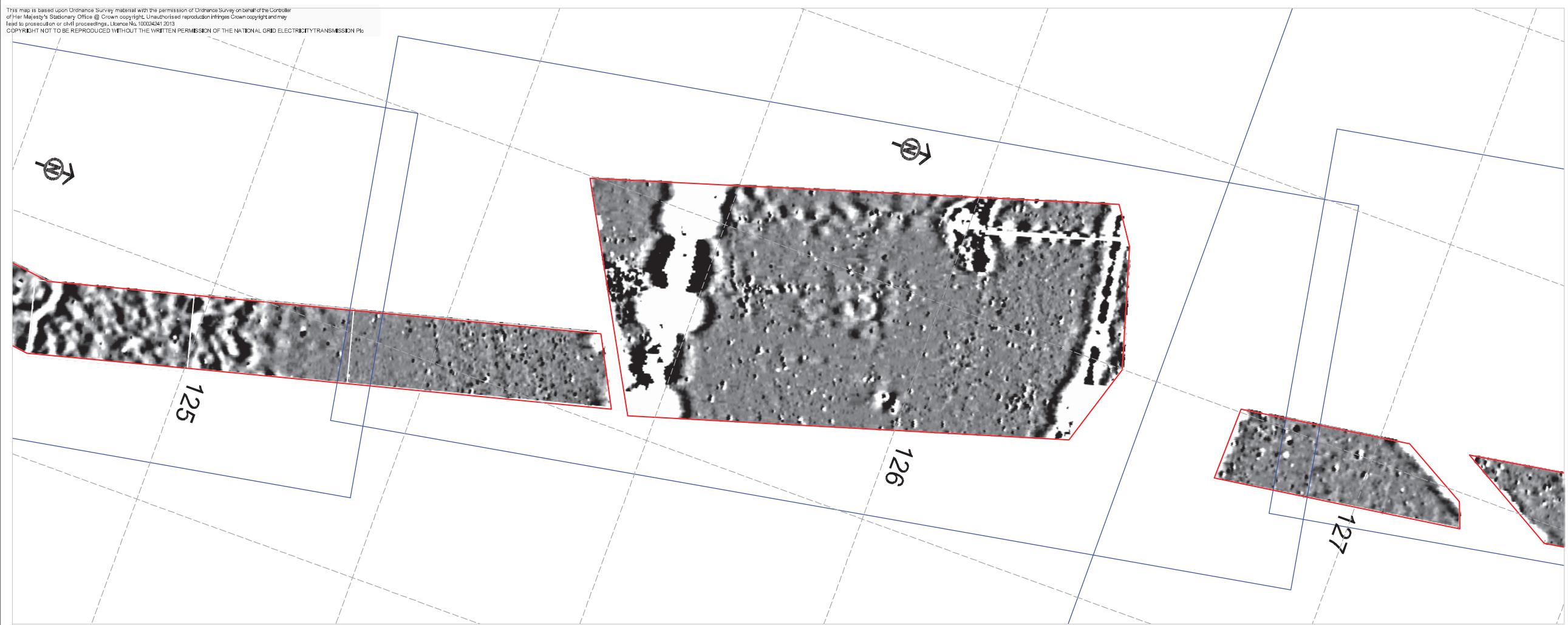
ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 2

Magnetometer survey (grey scale plot) and interpretation

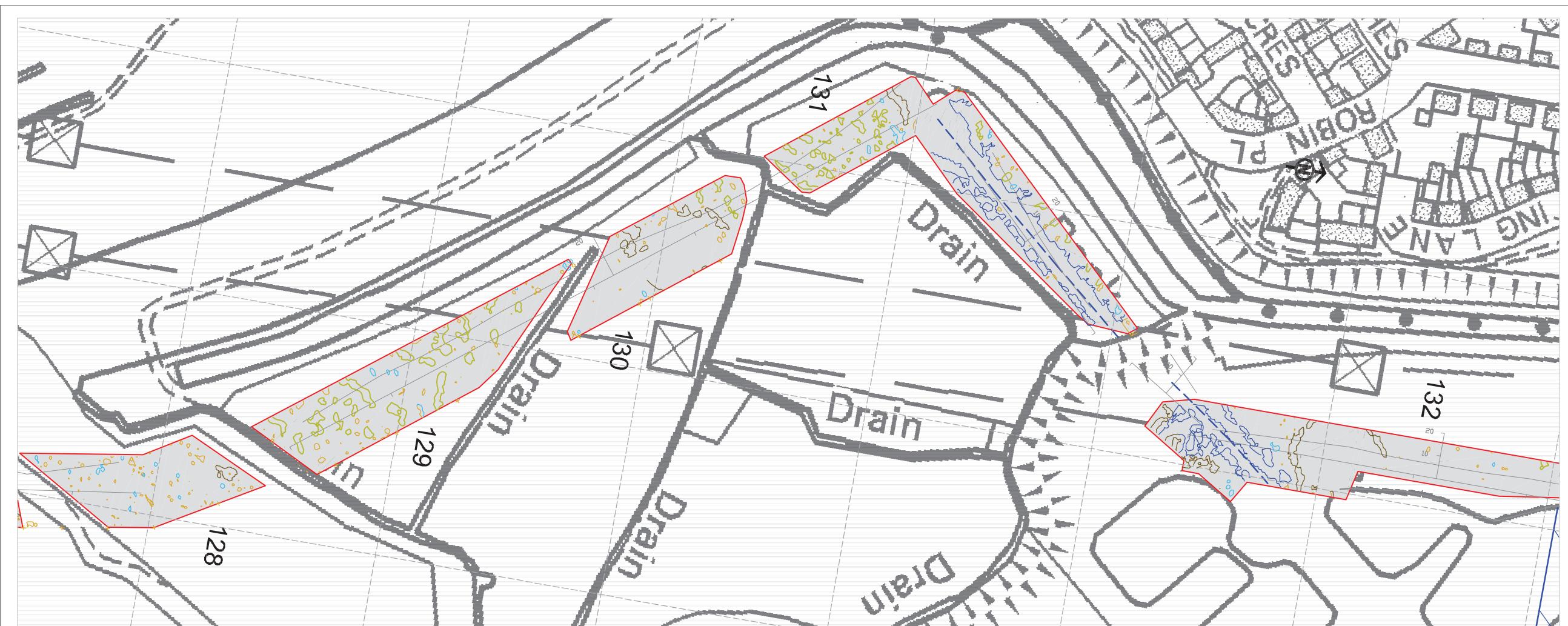
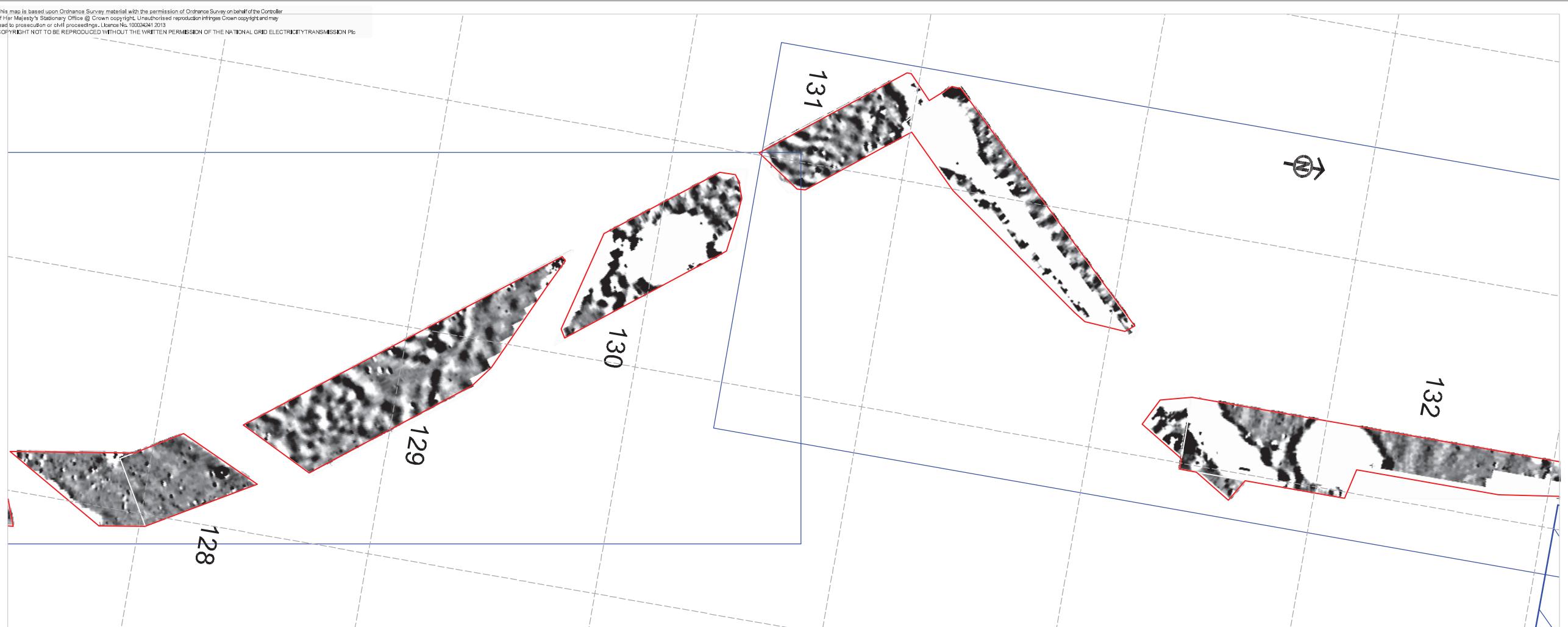
oxford archaeology  
Oxford Archaeology, James House, Dansey Mead, Oxford OX2 0ES

NG INVESTMENT No. 20897 FIGURE No. 54 GIS A3  
DRAWING No. TEP  
SCALE 1:2000  
ISSUE A  
SHEET 54 of 106

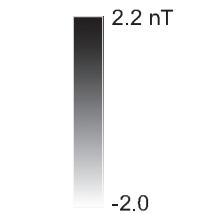




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### Key



-  magnetic anomalies (archaeological ?)
-  recent magnetic disturbances ?
-  broad / weak natural magnetic anomalies (wetland)
-  small background magnetic anomalies (natural / non-archaeological ?)
-  cultivation
-  pipe
-  drain ?
-  strong (ferrous) magnetic anomalies

0 100m  
Scale 1:2000 @ A3

A	19/06/2013			
ISSUE	DATE	COMMENTS	DRAW	CHKD

Title

**NATIONAL GRID  
(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT**

**NAILSEA TO PORTISHEAD  
132kV W ROUTE**

## ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 2

## Magnetometer survey (grey scale plot) and interpretation



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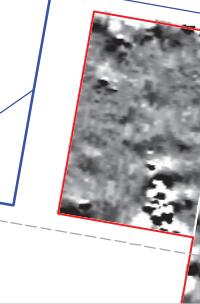
NG INVESTMENT No.	FIGURE No.		GIS
20897	56		A3

DRAWING No. SCALE  
A3  
1:2000

SHEET 56 of 106



133



Key



- magnetic anomalies (archaeological ?)
- recent magnetic disturbances ?
- broad / weak natural magnetic anomalies (wetland)
- small background magnetic anomalies (natural / non-archaeological ?)
- cultivation
- pipe
- drain ?
- strong (ferrous) magnetic anomalies

0 100m  
Scale 1:2000 @ A3

A	19/09/2013	ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD

Title  
NATIONAL GRID  
(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT

NAILSEA TO PORTISHEAD  
132kV W ROUTE

ARCHAEOLOGICAL GEOPHYSICAL  
SURVEY: PART 2

Magnetometer survey  
(grey scale plot)  
and interpretation



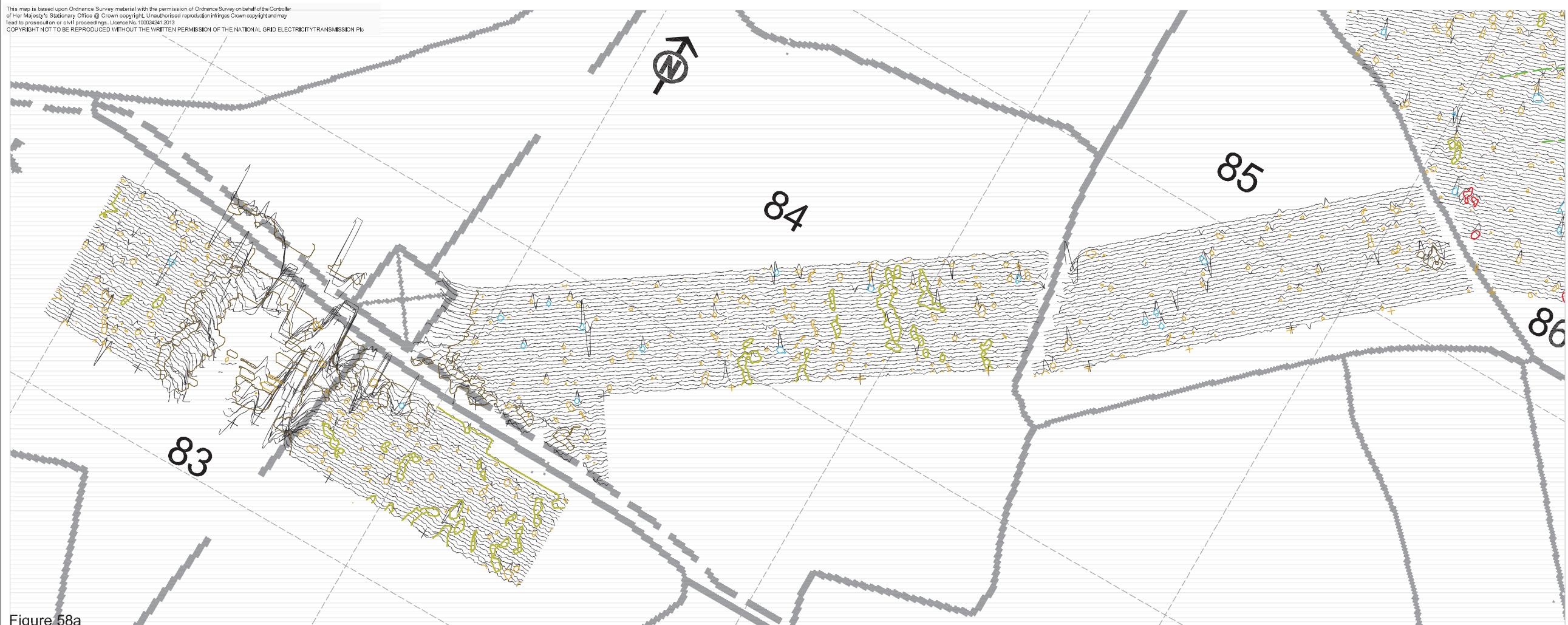
Oxford Archaeology, James House, Dansey Mead, Oxford OX2 0ES

NG INVESTMENT No.	FIGURE No.	GIS
20897	57	TEP
DRAWING No.	SCALE	A3
	1:2000	

SHEET 57 of 106

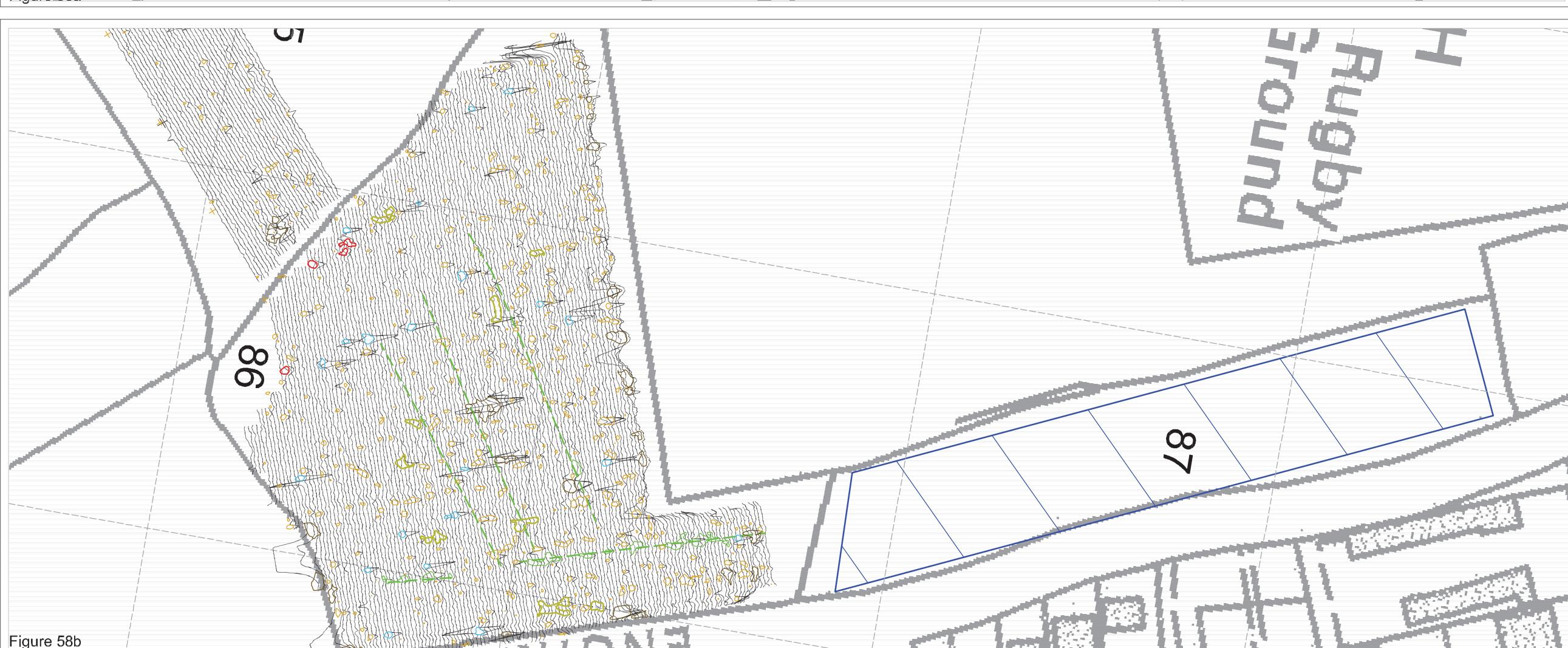
ISSUE A

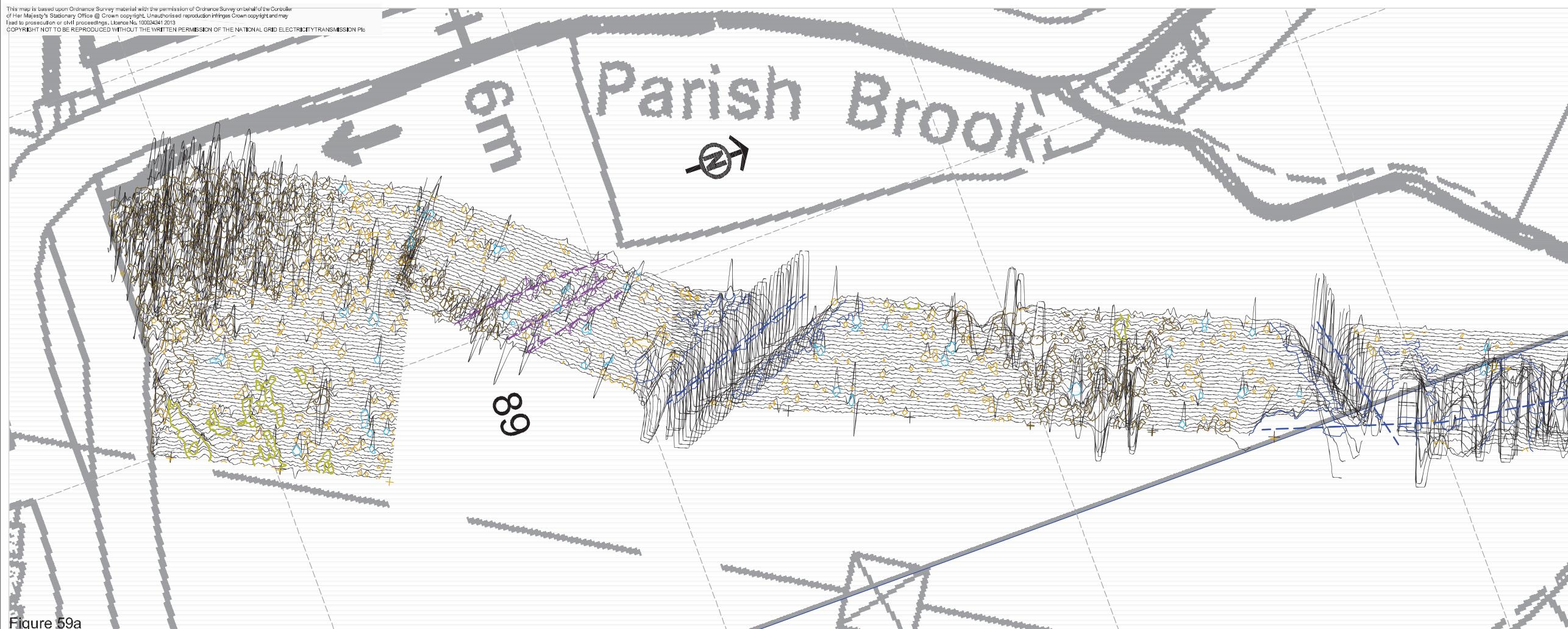




Key

50 nT

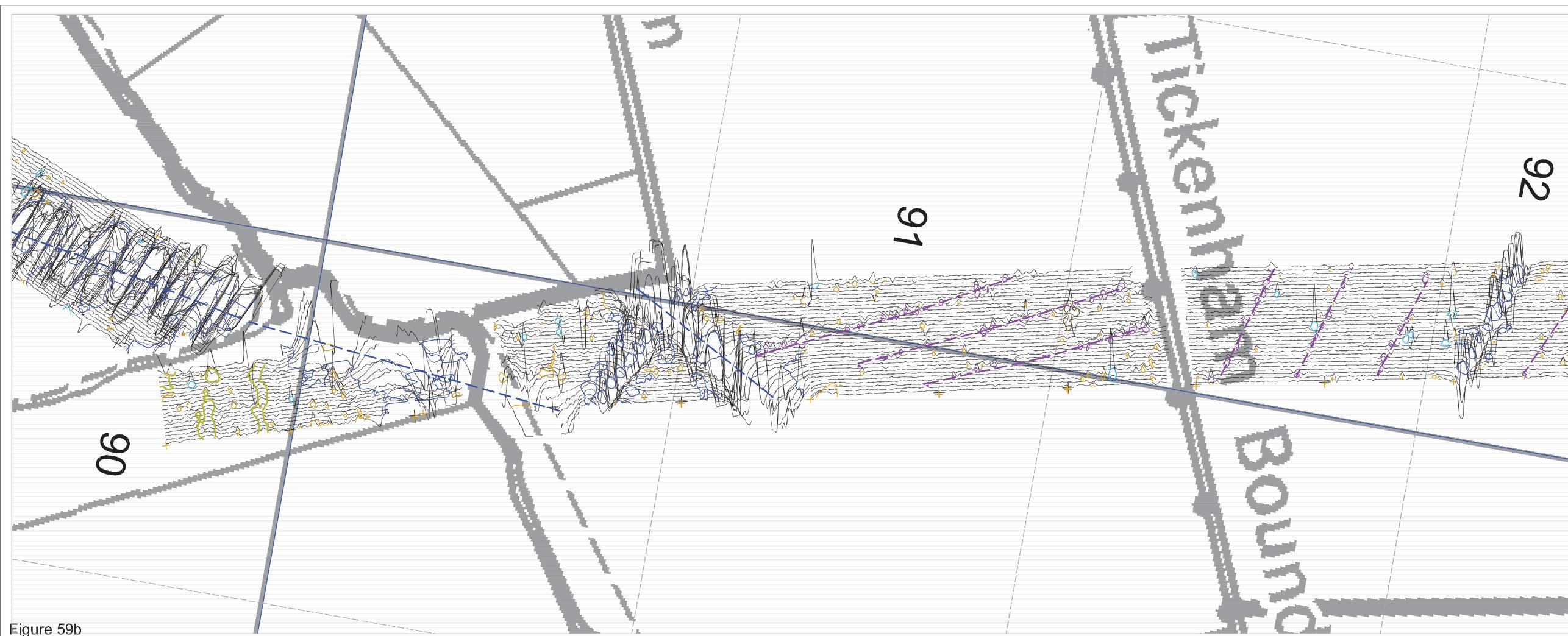




Key

50 nT

- magnetic anomalies (archaeological ?)
- recent magnetic disturbances ?
- broad / weak natural magnetic anomalies (wetland)
- small background magnetic anomalies (natural / non-archaeological ?)
- cultivation
- pipe
- drain ?
- strong (ferrous) magnetic anomalies



0 50m

Scale 1:1250 @ A3

A	19/09/2013	ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD

Title

NATIONAL GRID  
(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT

NAILSEA TO PORTISHEAD  
132kV W ROUTE

ARCHAEOLOGICAL GEOPHYSICAL  
SURVEY: PART 2

Magnetometer survey:  
graphical plot  
with interpretation



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NG INVESTMENT No. 20897 FIGURE No. 59 GIS A3  
TEP

DRAWING No. SCAL 1:1250

SHEET 59 of 106 ISSUE A

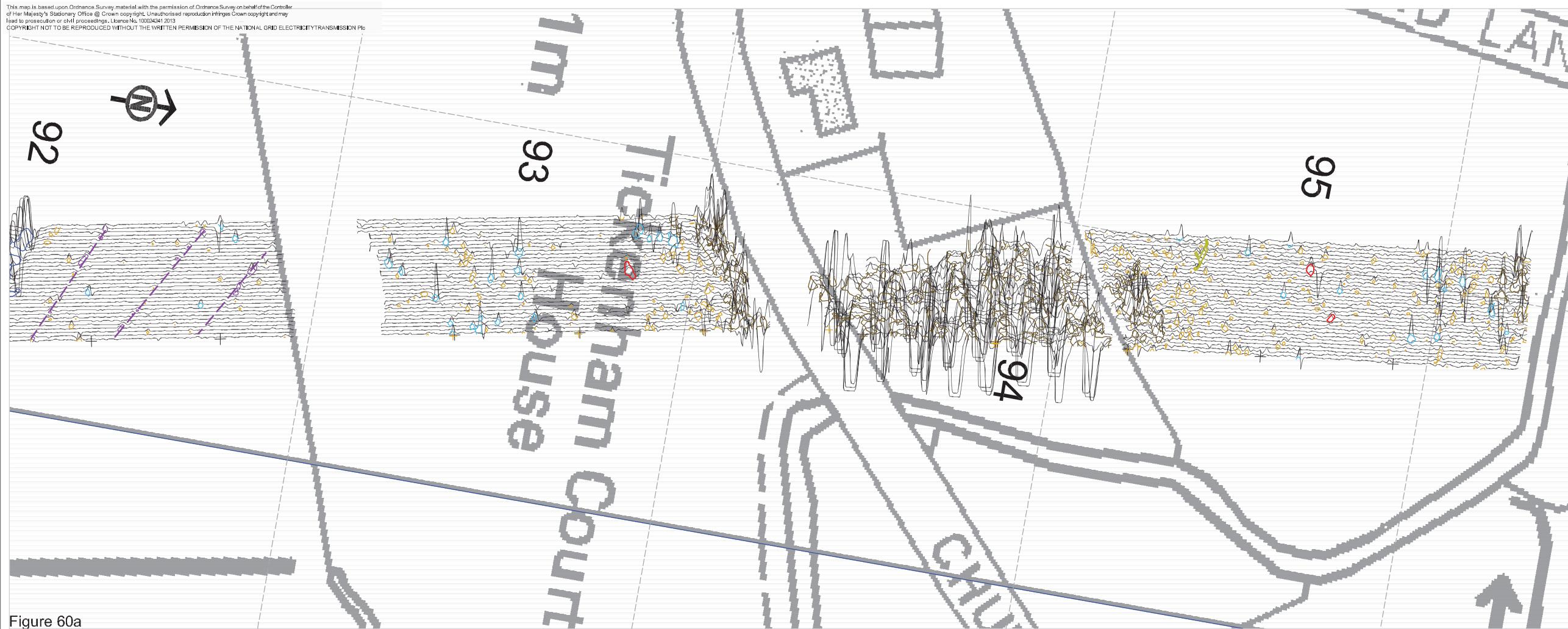


Figure 60a

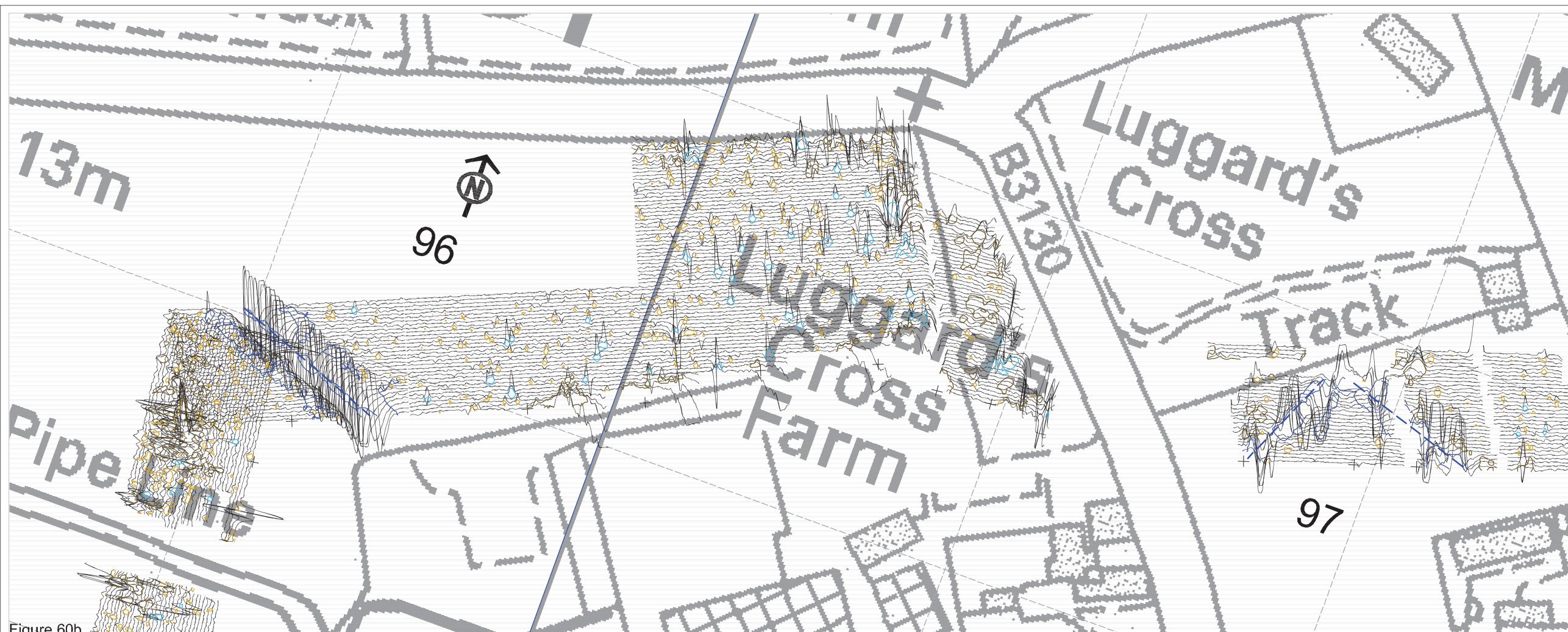


Figure 60b

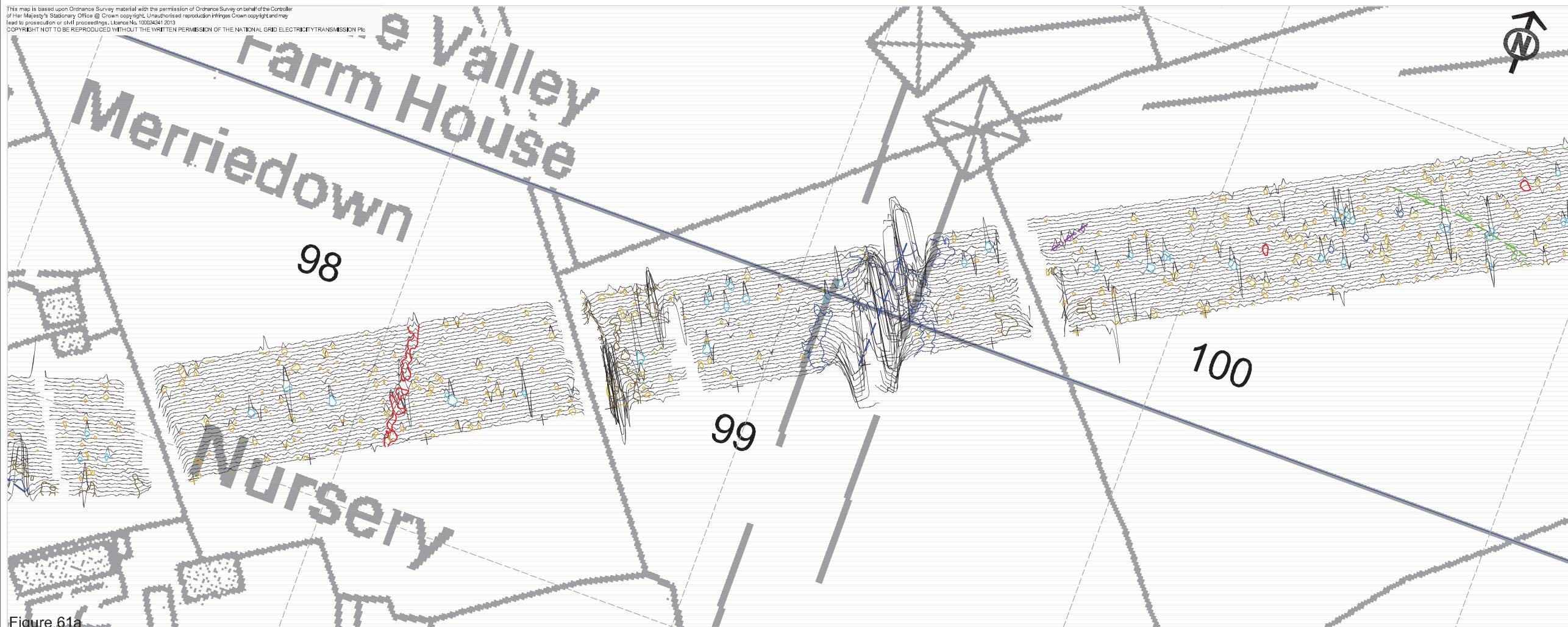


Figure 61a

Key

50 nT

- red - magnetic anomalies (archaeological ?)
- yellow - recent magnetic disturbances ?
- yellow - broad / weak natural magnetic anomalies (wetland)
- yellow - small background magnetic anomalies (natural / non-archaeological ?)
- green - cultivation
- blue - pipe
- purple - drain ?
- blue - strong (ferrous) magnetic anomalies

0 50m  
Scale 1:1250 @ A3

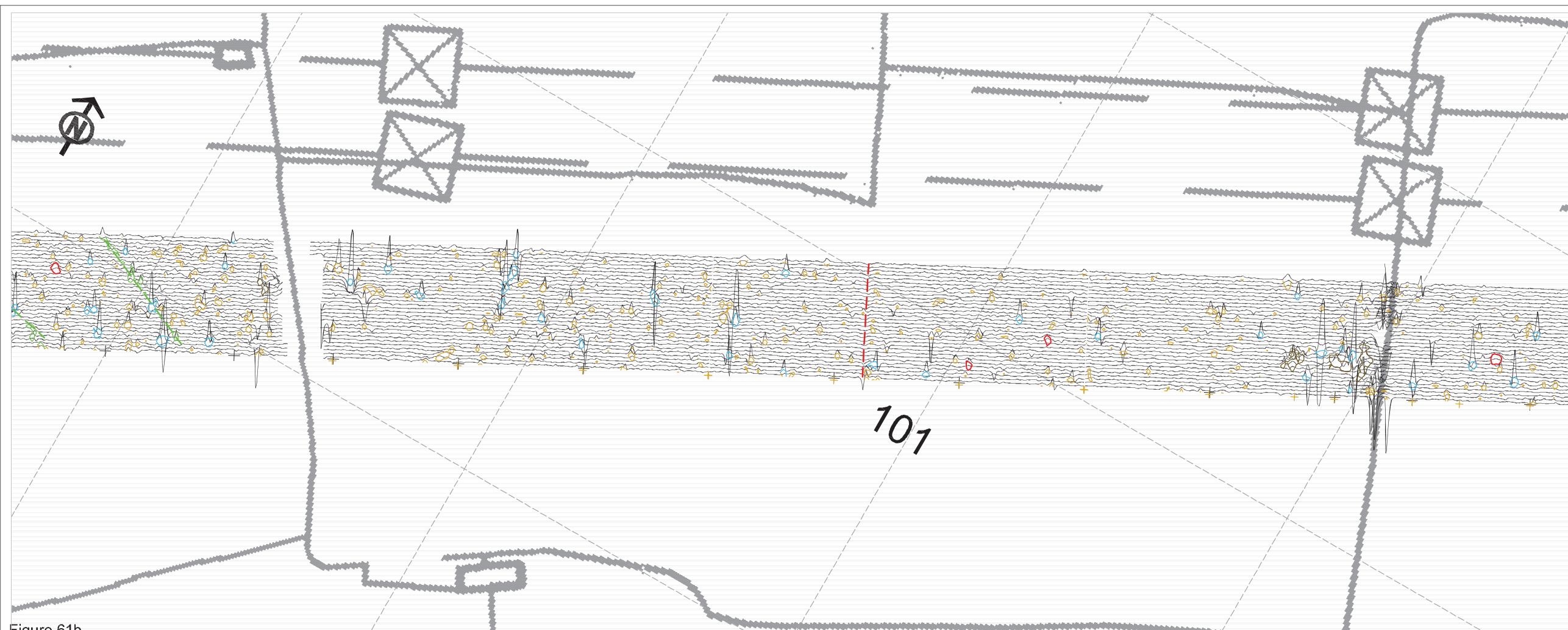


Figure 61b

Title

NATIONAL GRID  
(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT

NAILSEA TO PORTISHEAD  
132kV W ROUTE

ARCHAEOLOGICAL GEOPHYSICAL  
SURVEY: PART 2

Magnetometer survey:  
graphical plot  
with interpretation



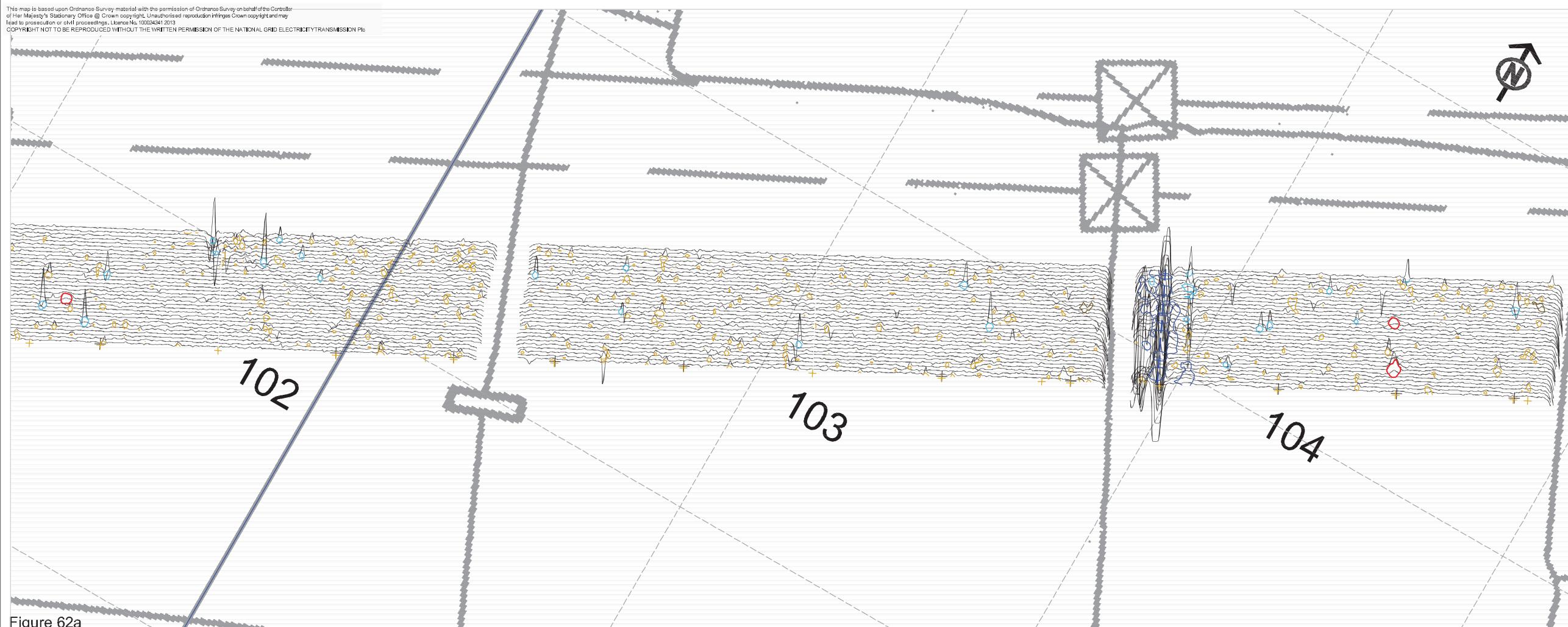
Oxford Archaeology

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NG INVESTMENT No. FIGURE No. GIS  
20897 61 TEP A3

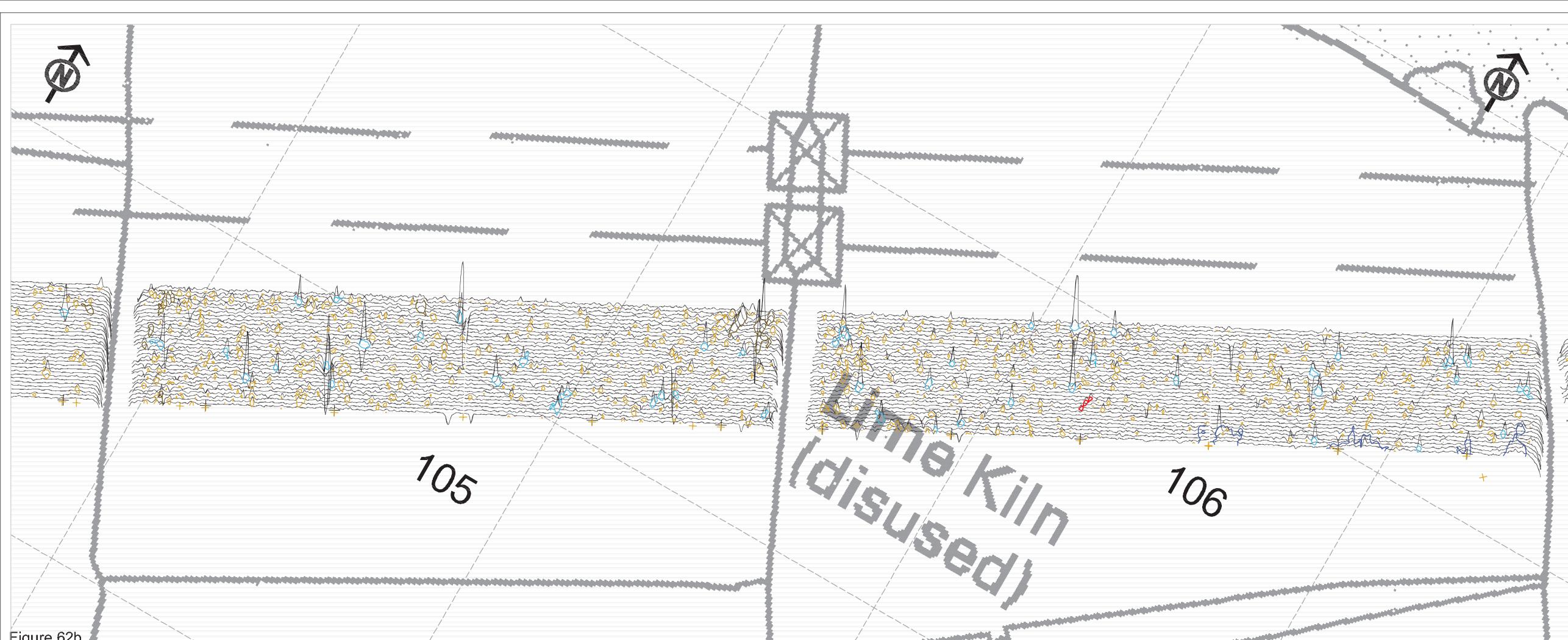
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DRAWING No. 1:1250  
FIGURE No. 61  
GIS A3  
TEP

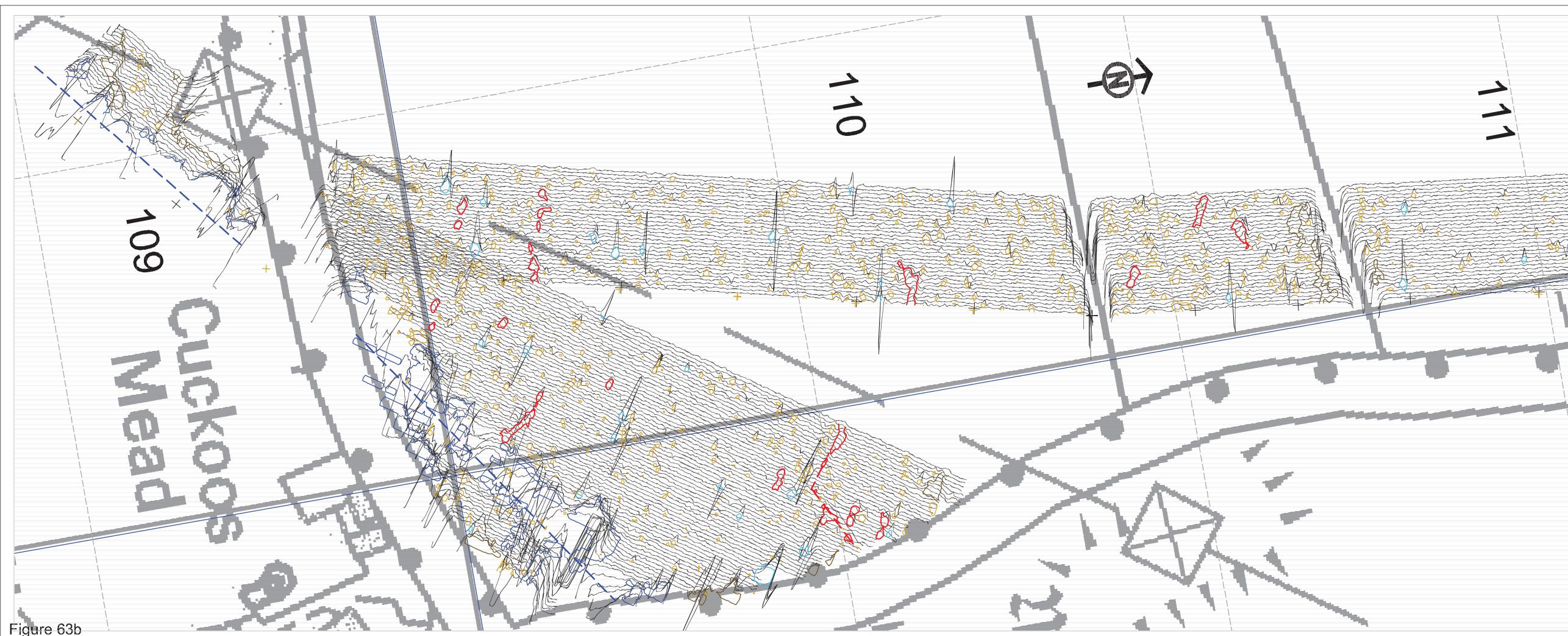
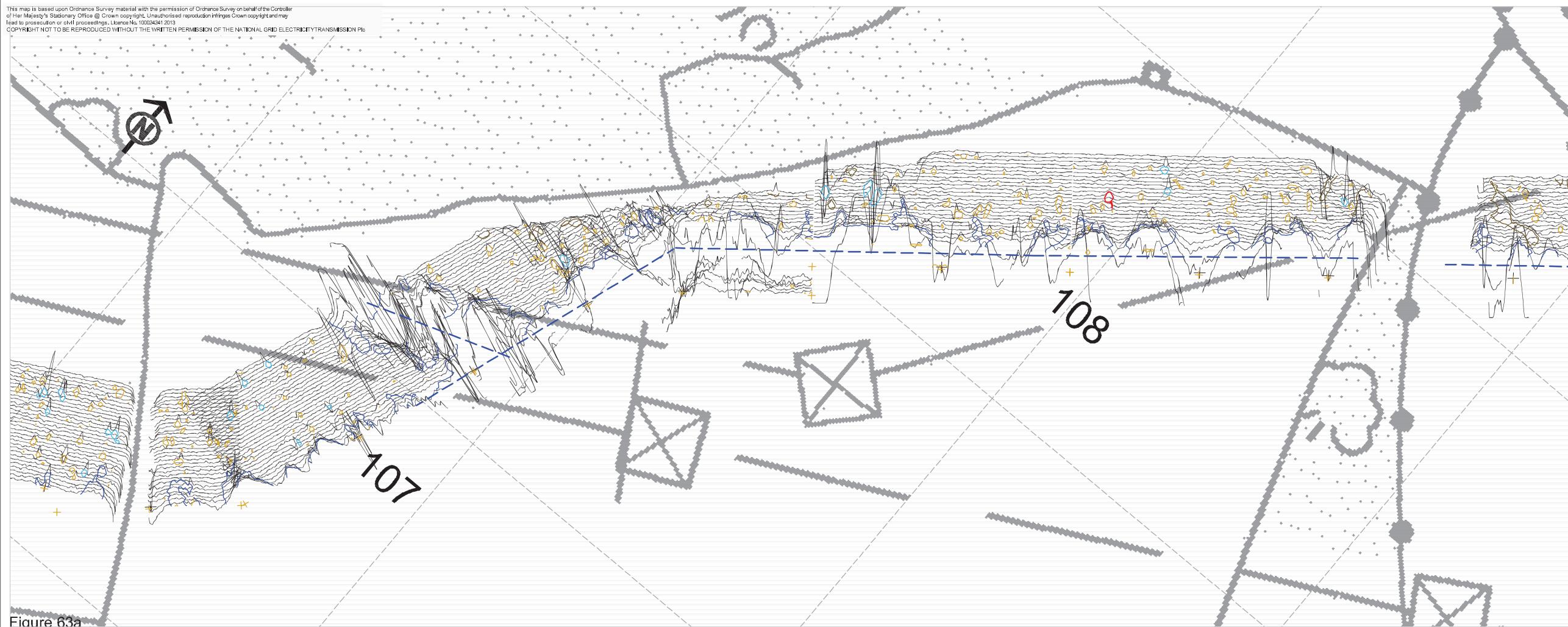
ISSUE No. SHEET 61 of 106  
ISSUE A

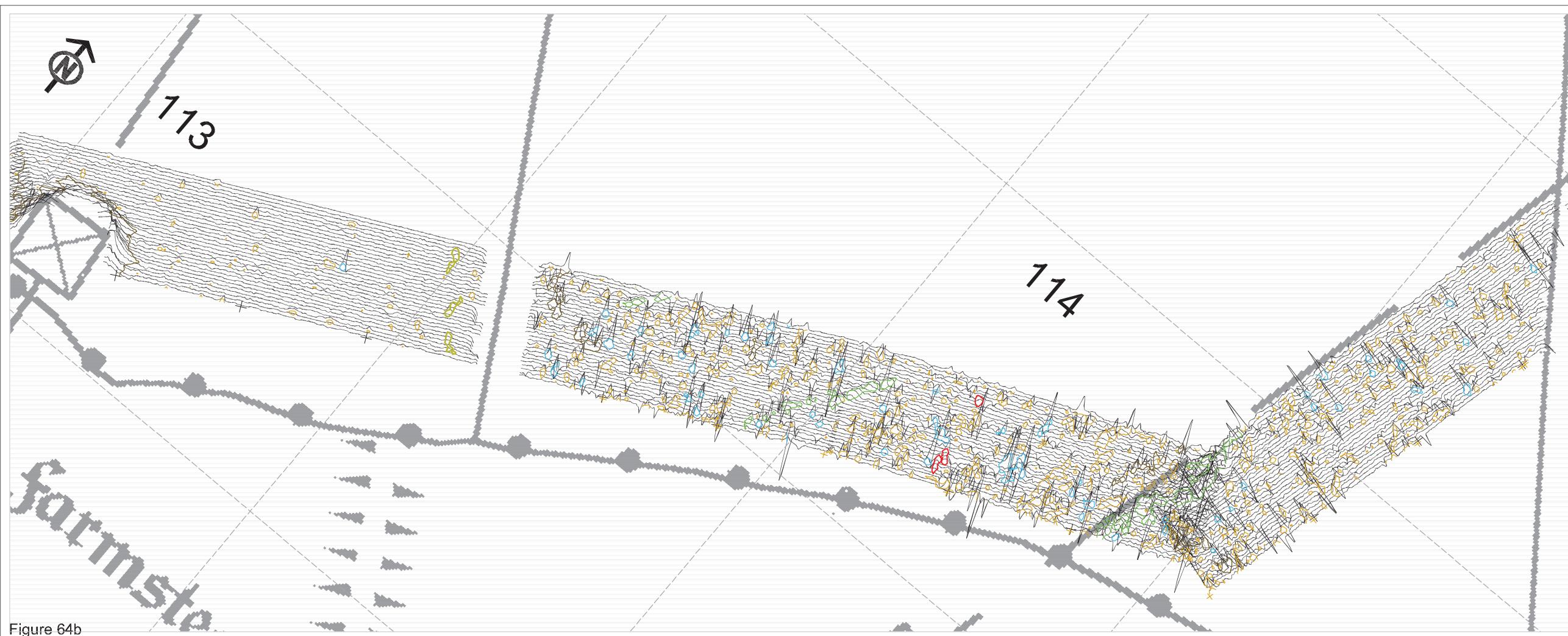
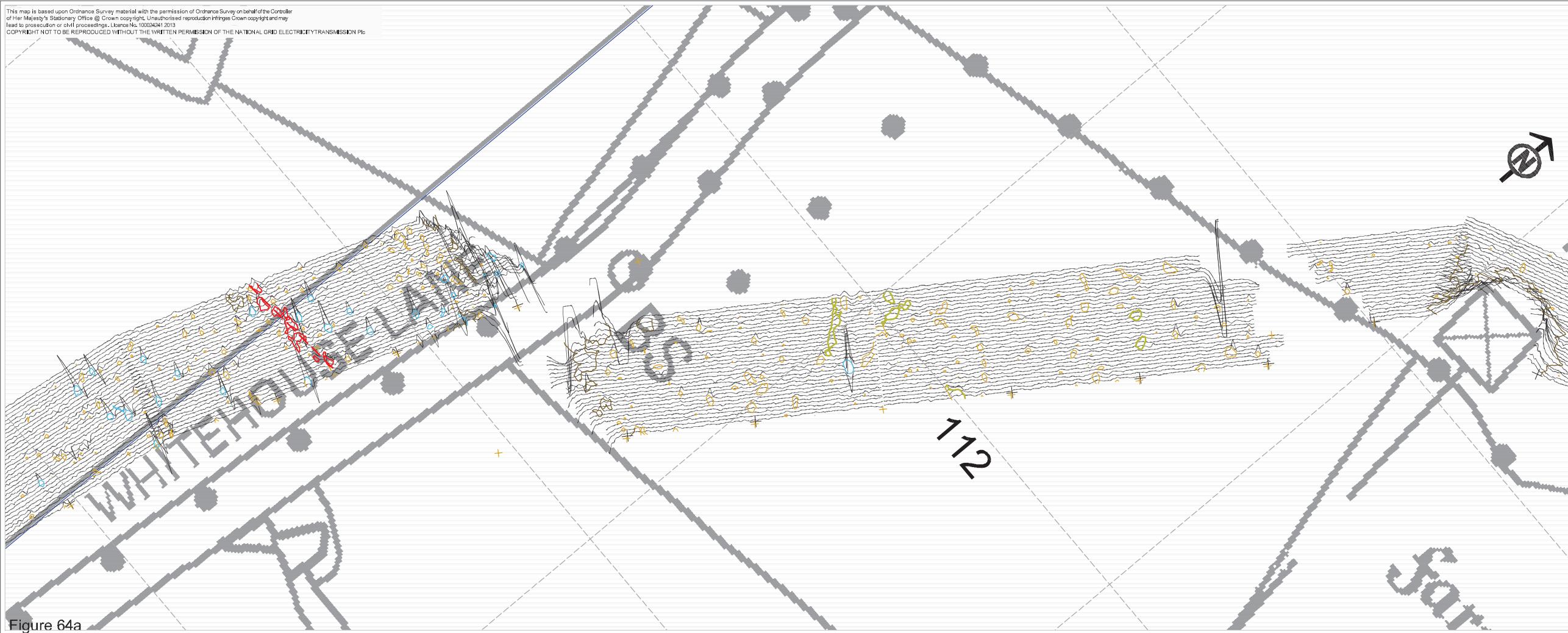


Key

50 nT







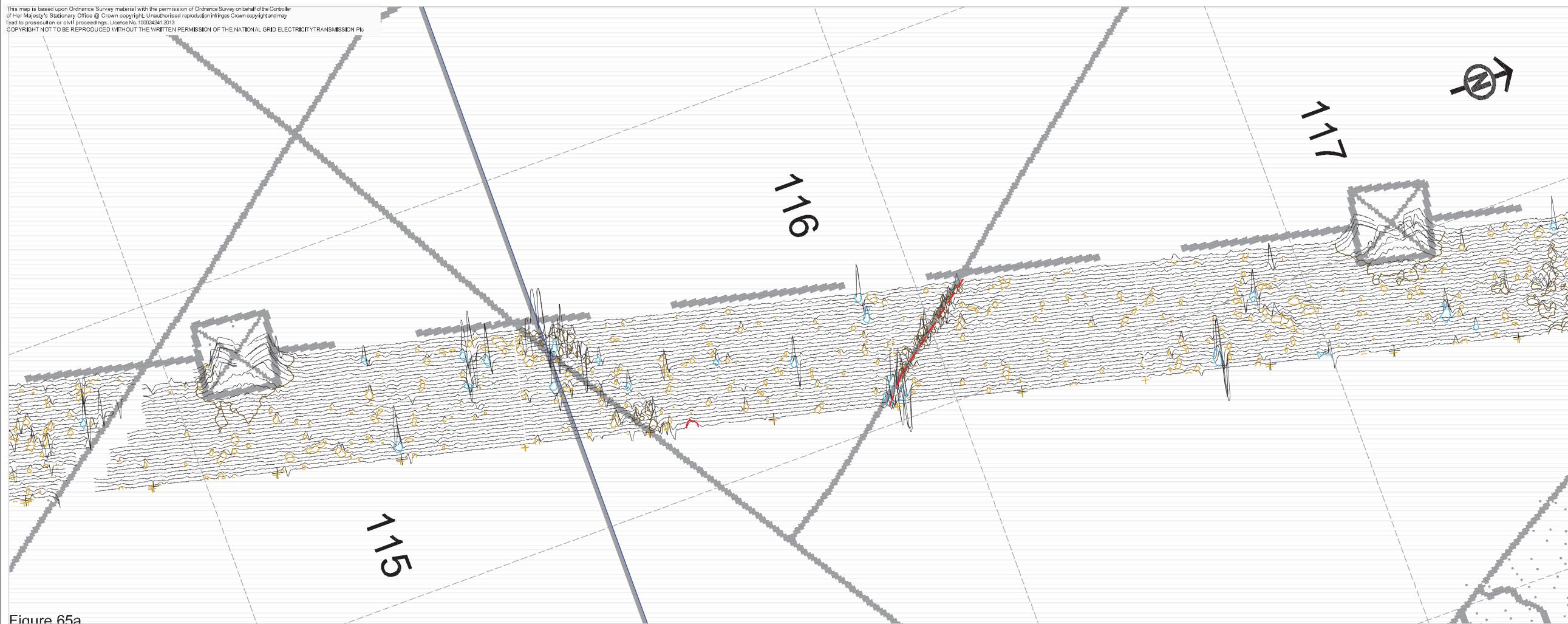


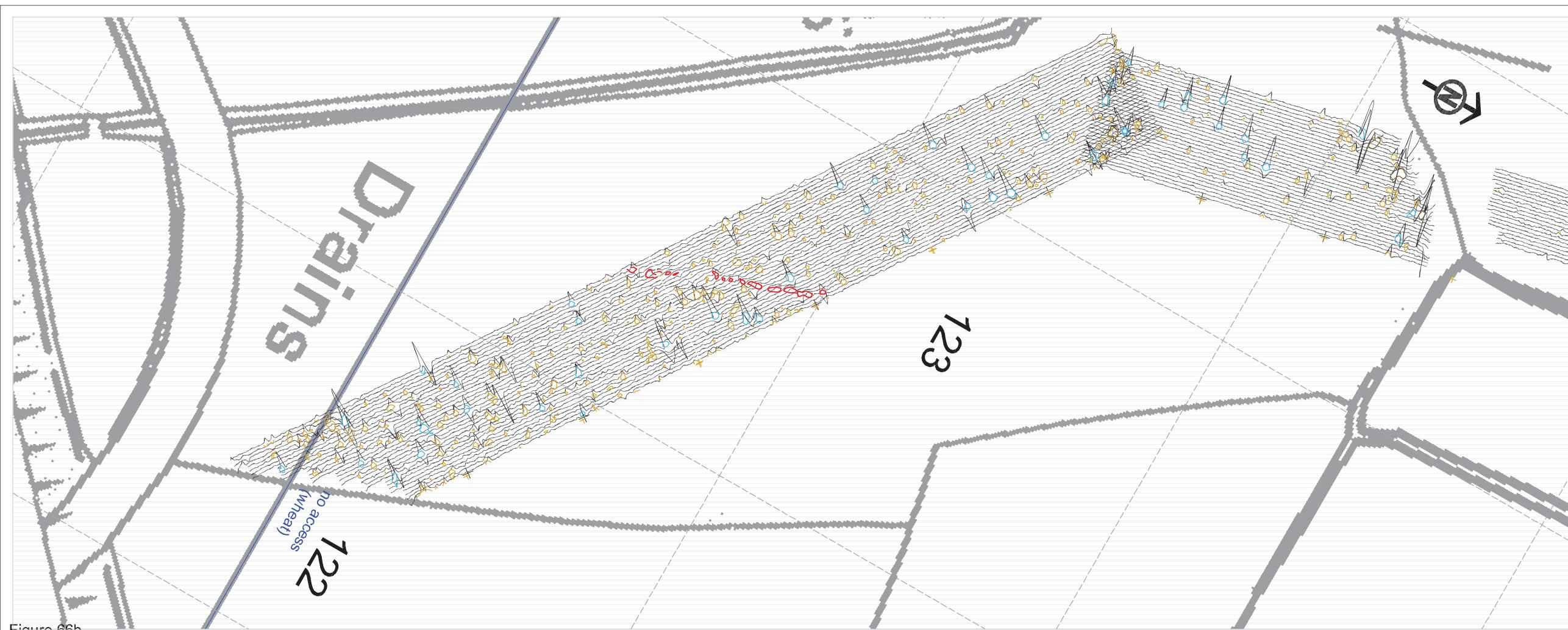
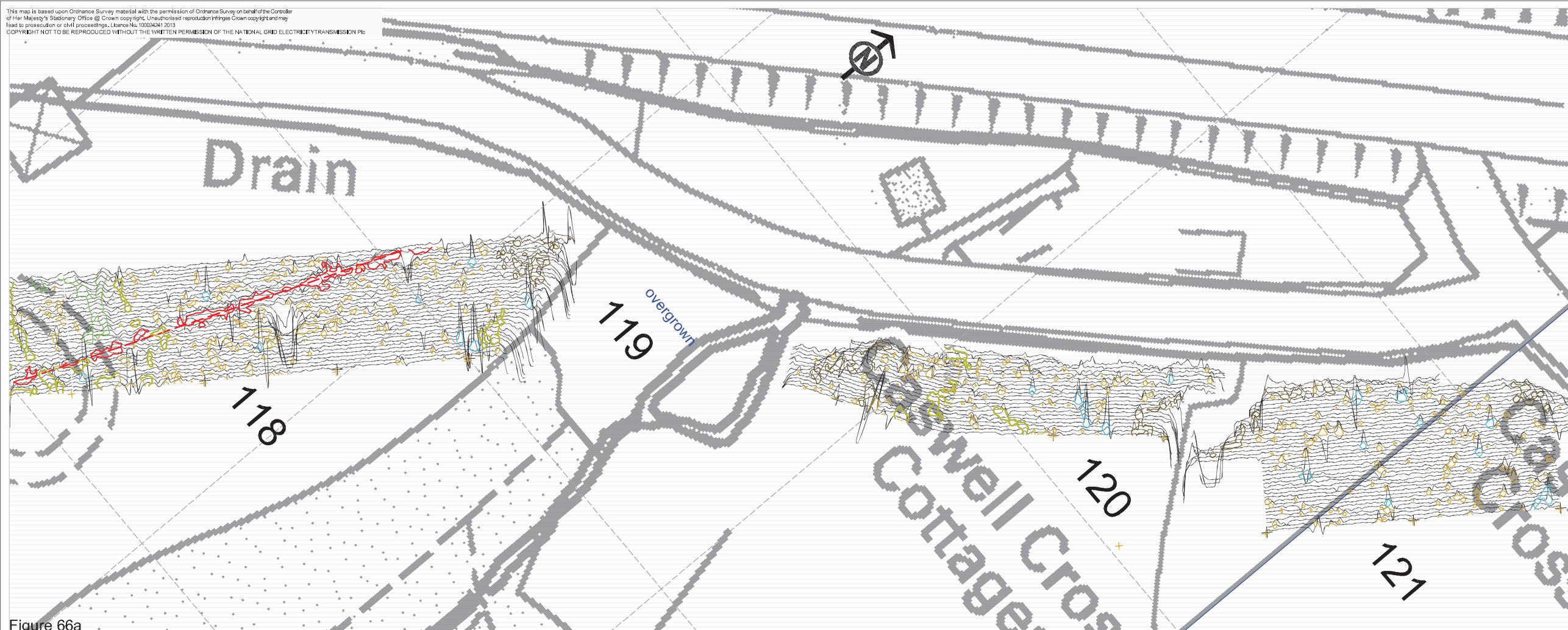
Figure 65a

Key

50 nT



Figure 65b



Key

50m

50 nT

magnetic anomalies (archaeological ?)

recent magnetic disturbances ?

broad / weak natural magnetic anomalies (wetland)

small background magnetic anomalies (natural / non-archaeological ?)

cultivation

pipe

drain ?

strong (ferrous) magnetic anomalies

0 50m

Scale 1:1250 @ A3

A	19/09/2013	ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD
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Title  
NATIONAL GRID  
(HINKLEY C PROJECT)  
ENVIRONMENTAL STATEMENT

NAILSEA TO PORTISHEAD  
132kV W ROUTE

ARCHAEOLOGICAL GEOPHYSICAL  
SURVEY: PART 2

Magnetometer survey:  
graphical plot  
with interpretation

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NG INVESTMENT No.	FIGURE No.	GIS
20897	66	A3

TEP

SCALE  
1:1250

DRAWING No.

SHEET 66 of 106

ISSUE

A

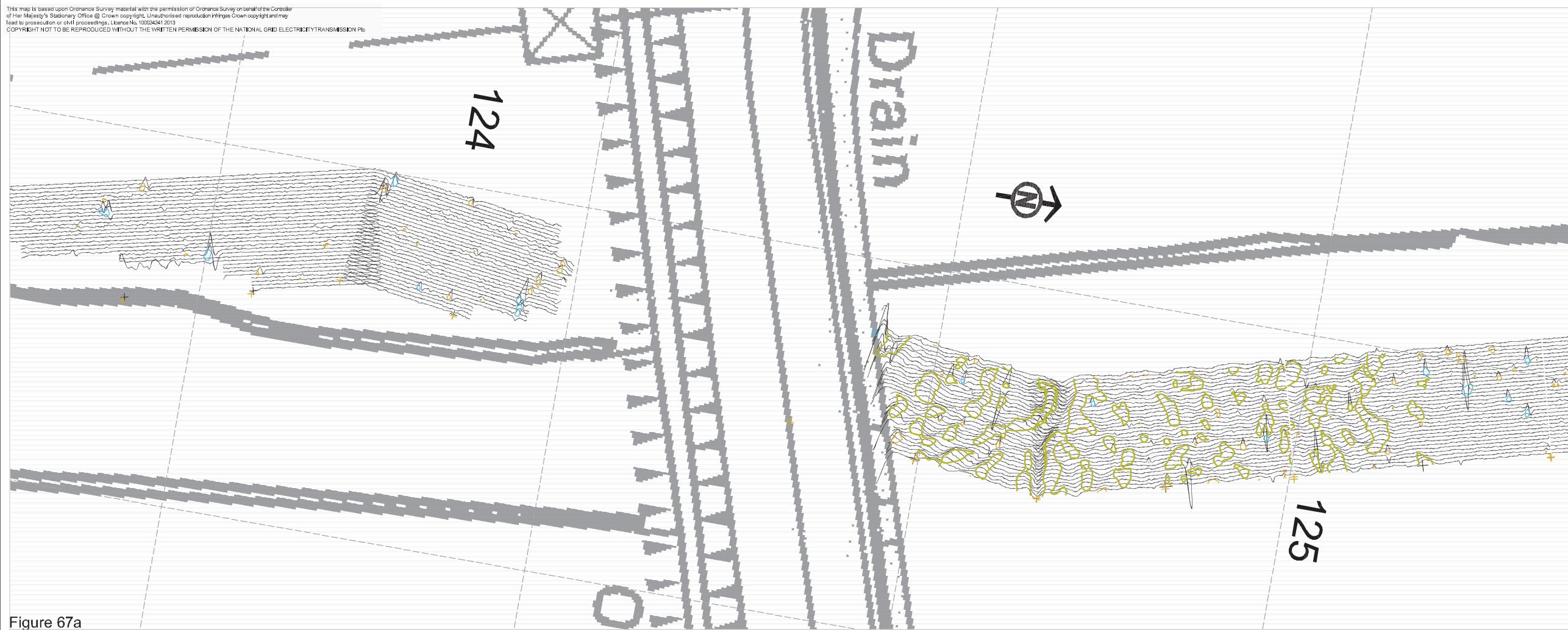


Figure 67a

Key

50 nT

- magnetic anomalies (archaeological ?)
- recent magnetic disturbances ?
- broad / weak natural magnetic anomalies (wetland)
- small background magnetic anomalies (natural / non-archaeological ?)
- cultivation
- pipe
- drain ?
- strong (ferrous) magnetic anomalies

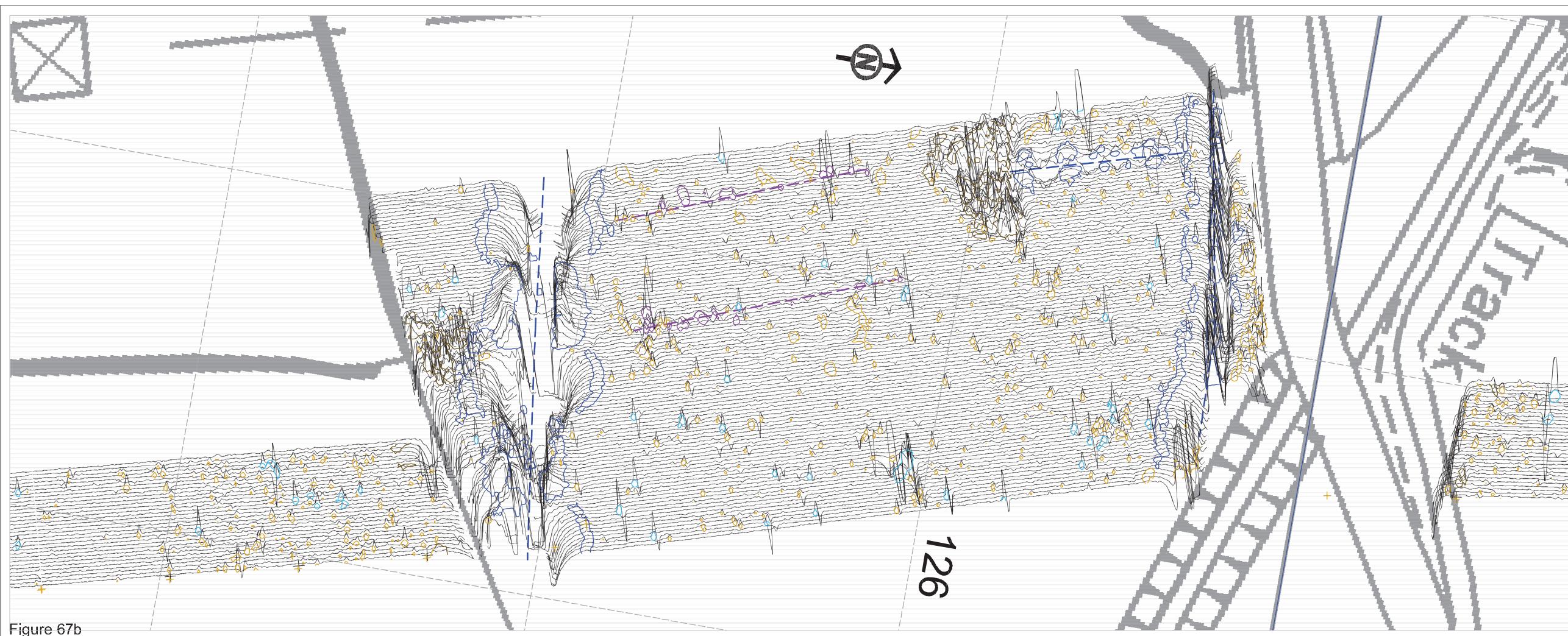
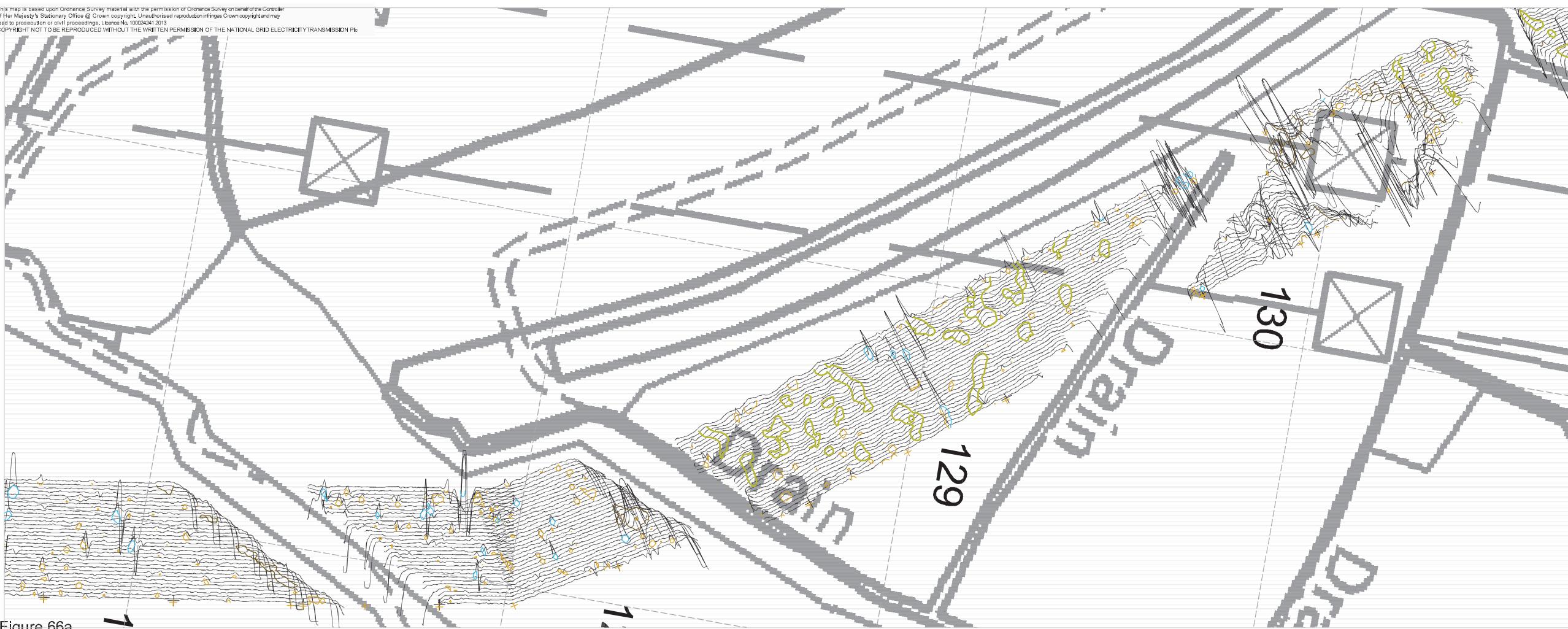


Figure 67b

A	19/09/2013	ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD
<b>Title</b>							
NATIONAL GRID (HINKLEY C PROJECT) ENVIRONMENTAL STATEMENT							
<b>NAILSEA TO PORTISHEAD 132kV W ROUTE</b>							
<b>ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 2</b>							
Magnetometer survey: graphical plot with interpretation							
 Oxford Archaeology, James House, Dansey Mead, Oxford OX2 0ES							
NG INVESTMENT No.	FIGURE No.	GIS					
20897	67	TEP					
DRAWING No.		SCALE					
		1:1250					
SHEET 67 of 106							
ISSUE A							



Key

50 nT

- magnetic anomalies (archaeological ?)
- recent magnetic disturbances ?
- broad / weak natural magnetic anomalies (wetland)
- small background magnetic anomalies (natural / non-archaeological ?)
- cultivation
- pipe
- drain ?
- strong (ferrous) magnetic anomalies



0 50m  
Scale 1:1250 @ A3

A	19/09/2013	ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD
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ENVIRONMENTAL STATEMENT

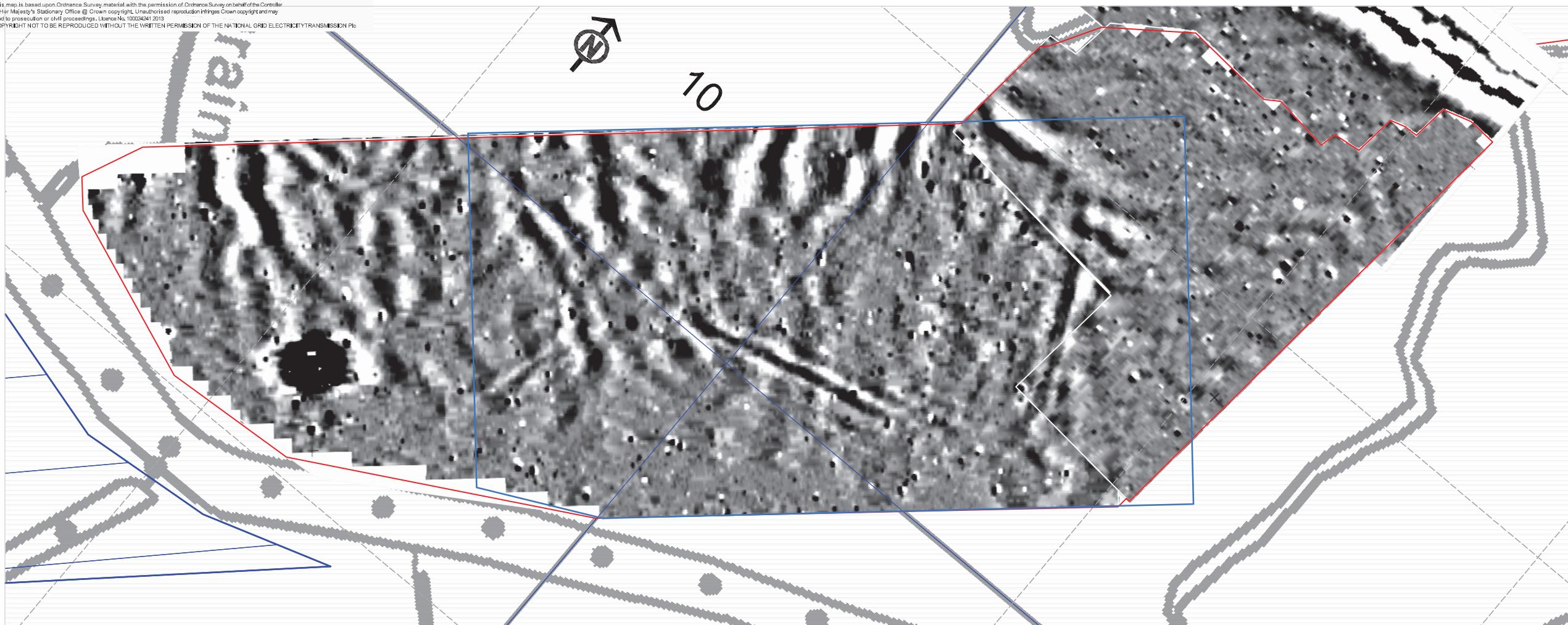
NAILSEA TO PORTISHEAD  
132kV W ROUTE

ARCHAEOLOGICAL GEOPHYSICAL  
SURVEY: PART 2

Magnetometer survey:  
graphical plot  
with interpretation

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NG INVESTMENT No.	FIGURE No.	GIS
20897	68	A3
TEP		
DRAWING No.	SCALE 1:1250	ISSUE A



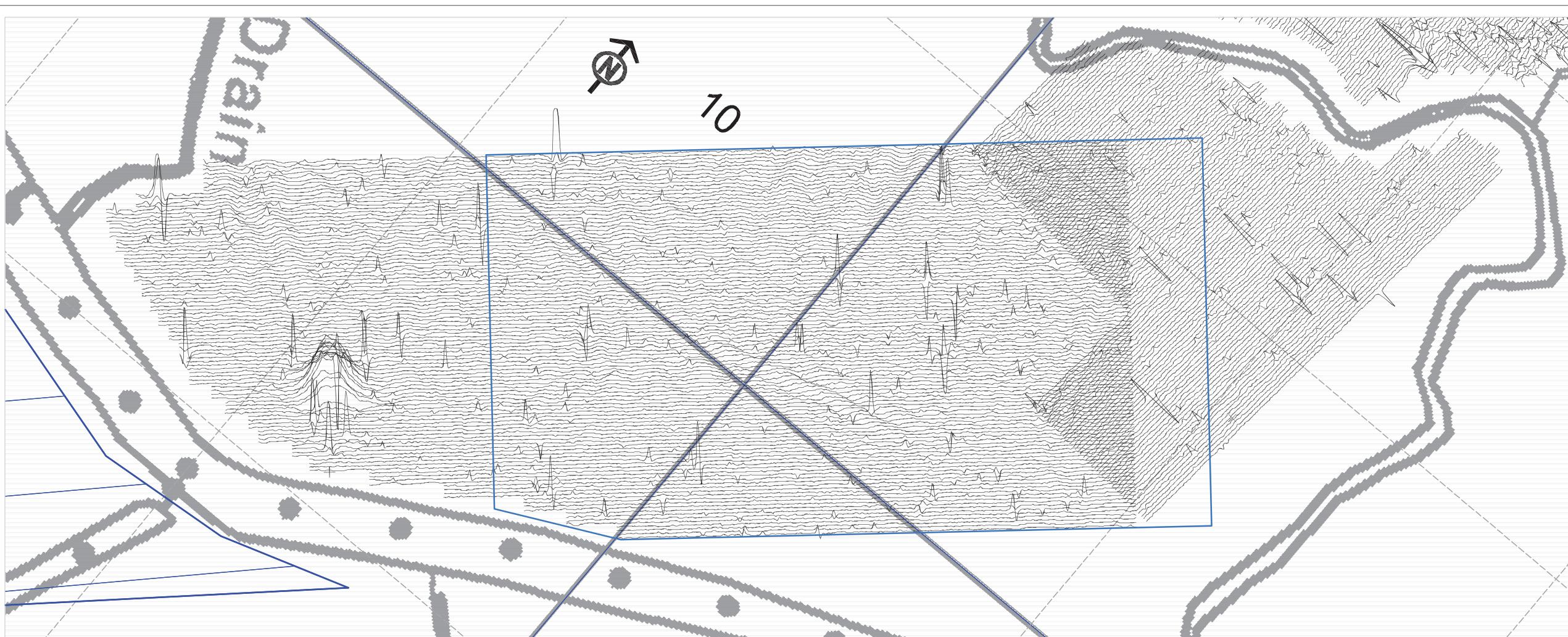
### Key



50 nT

1m fluxgate magnetometer survey plots are also included in Part 1 of this report; figures 7 and 28a

Location of 0.5m fluxgate, caesium magnetometer and EM31 surveys



0 50m  
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A	19/06/2013				

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ENVIRONMENTAL STATEMENT

## STUDY AREA C MENDIP HILLS AONB

## ARCHAEOLOGICAL GEOPHYSICAL SURVEY: PART 3

### Geophysical trial investigation: 1m fluxgate magnetometer survey (grey scale and graphical plots)



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1:1250

SHEET 69 of 106

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