



**SCOTTISHPOWER  
RENEWABLES**

# **East Anglia ONE North and East Anglia TWO Offshore Windfarms**

## **Onshore Archaeology: Geophysical Survey Report**

### **Part 4 of 9**

Applicants: East Anglia ONE North Limited and East Anglia TWO Limited

Document Reference: ExA.AS-14.D1.V1

SPR Reference: EA1N\_EA2-DWF-ENV-REP-IBR-001113

Date: 2<sup>nd</sup> November 2020

Revision: Version 01

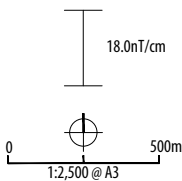
Author: Headland Archaeology

**Applicable to East Anglia ONE North and East Anglia TWO**





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



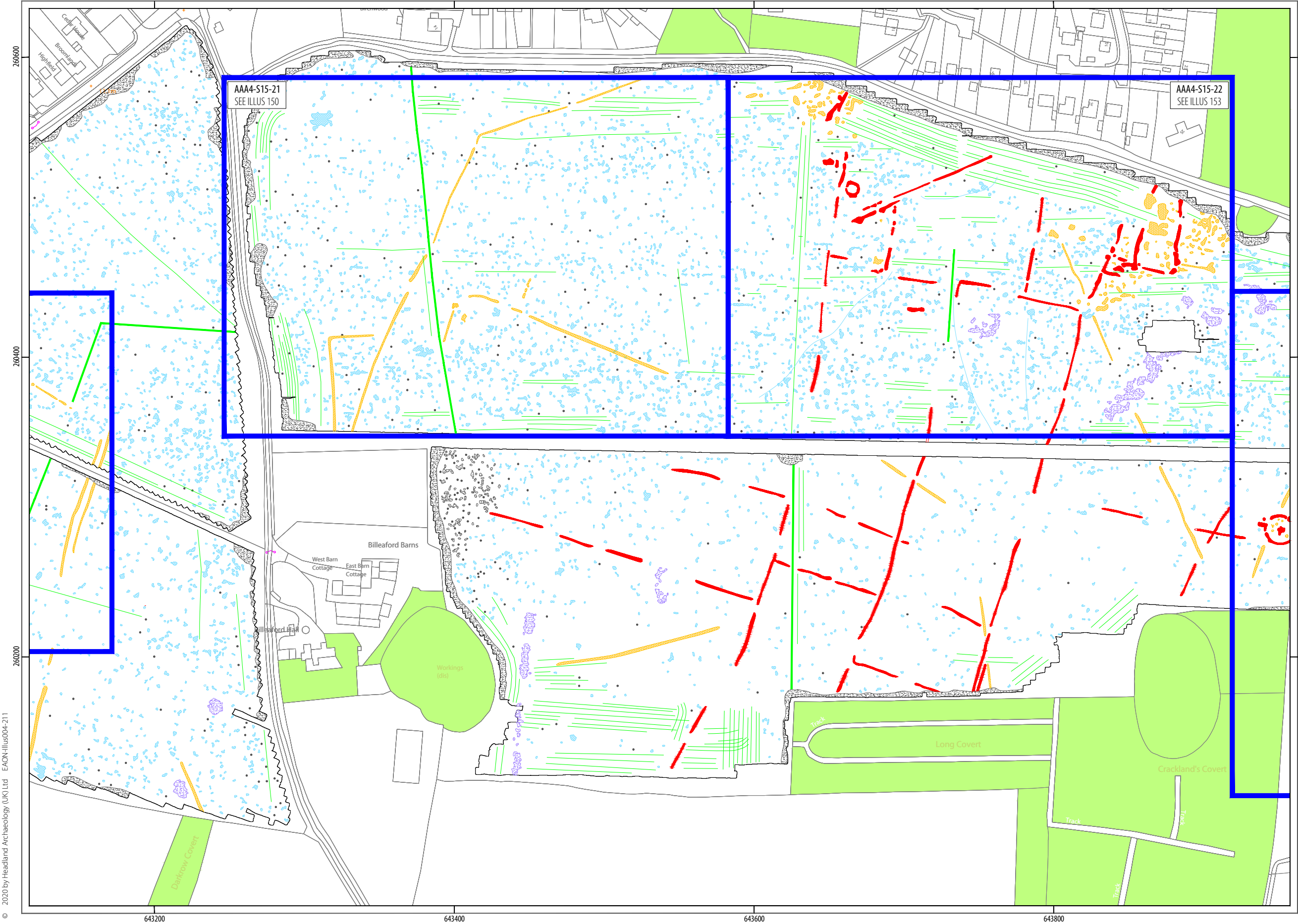
PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

**HEADLAND  
ARCHAEOLOGY**

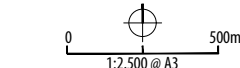
NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
[www.headlandarchaeology.com](http://www.headlandarchaeology.com)



Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



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



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

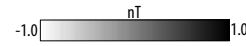
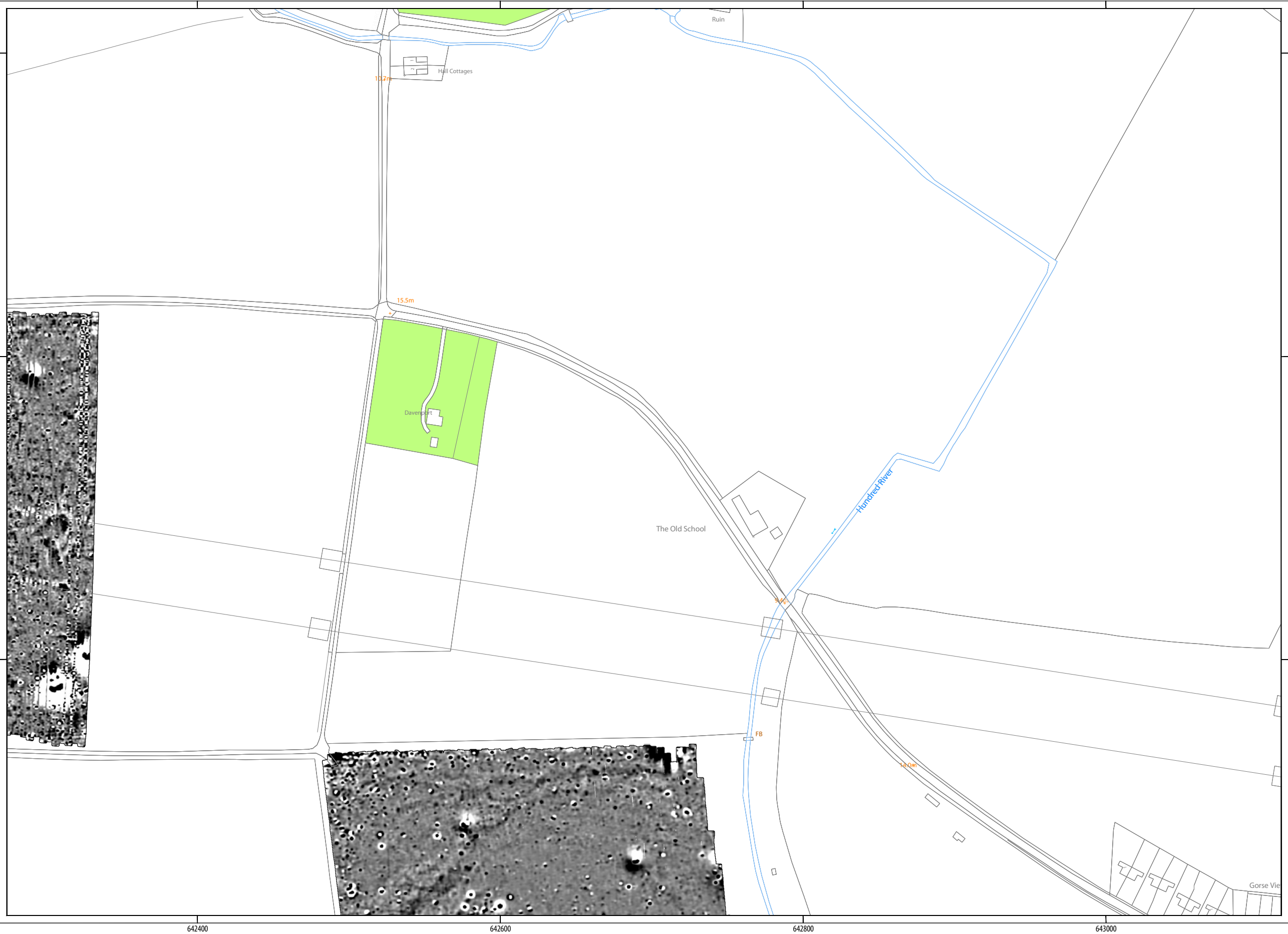
**HEADLAND  
ARCHAEOLOGY**

NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

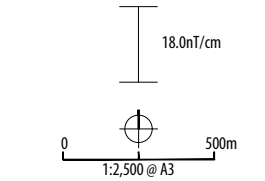


NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



**PROJECT** EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
**CLIENT** Scottish Power Renewables



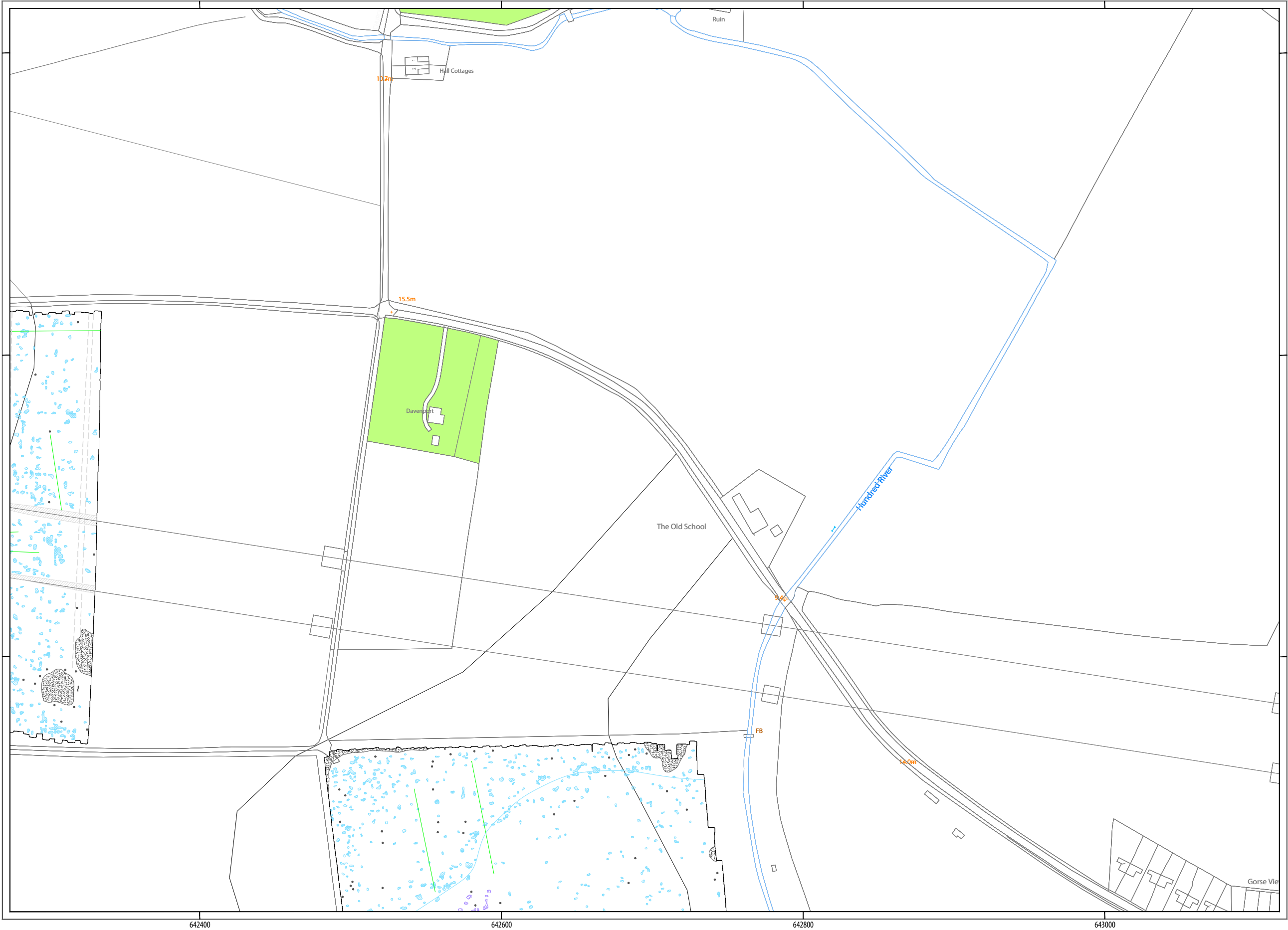
**NORTH** Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com

© 2020 by Headland Archaeology (UK) Ltd EAON-Hilus004-211





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



TYPE OF ANOMALY	INTERPRETATION
dipolar isolated	ferrous material
magnetic disturbance	ferrous material
magnetic disturbance	quarrying
linear trend	agricultural
magnetic enhancement	geology
linear trend	geological variation

1:2,500 @ A3

**PROJECT** EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk

**CLIENT** Scottish Power Renewables

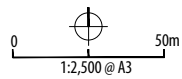
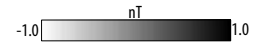
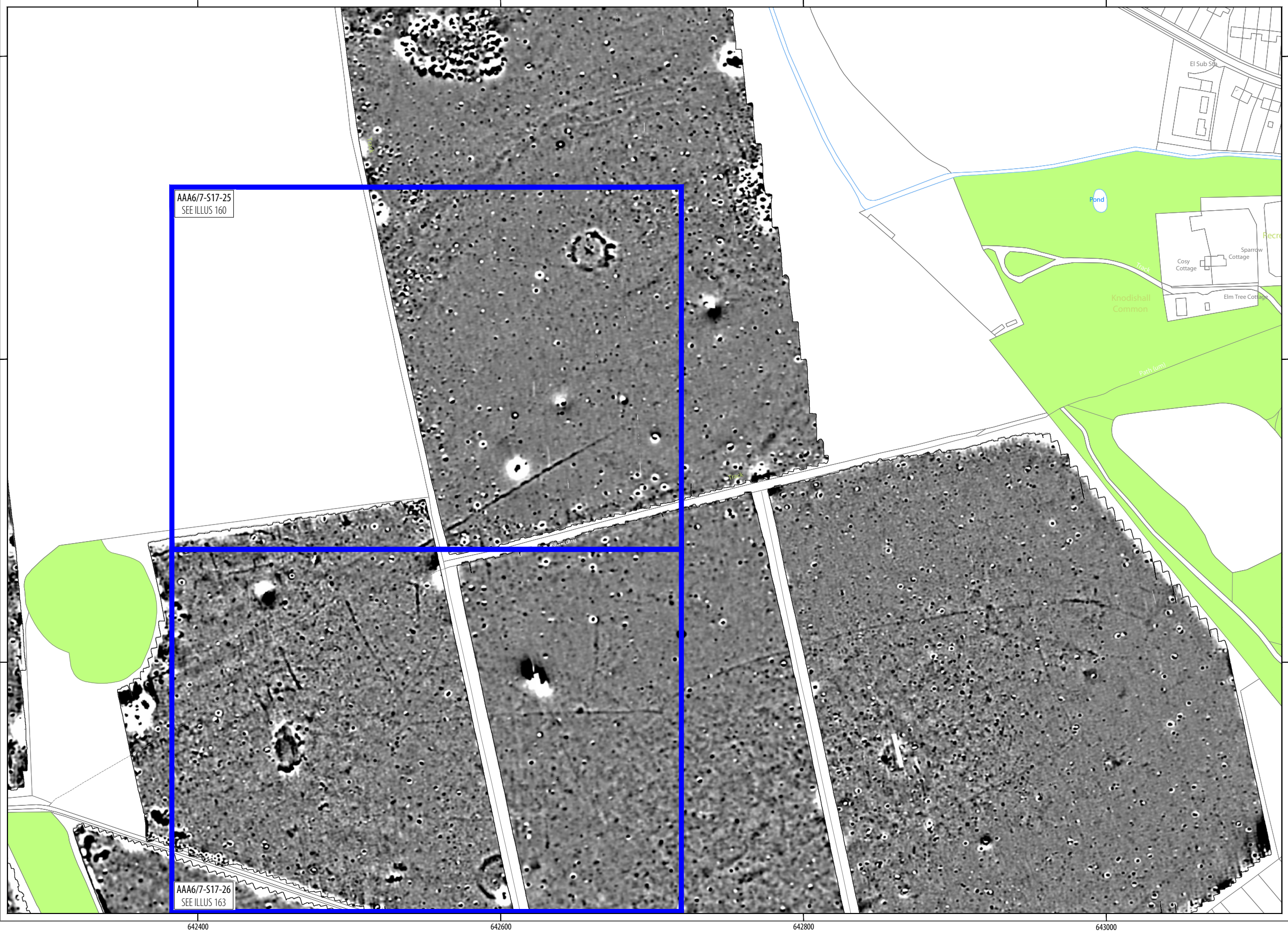
**HEADLAND  
ARCHAEOLOGY**

**NORTH** Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables, Ordnance Survey © Crown copyright. All rights reserved.



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

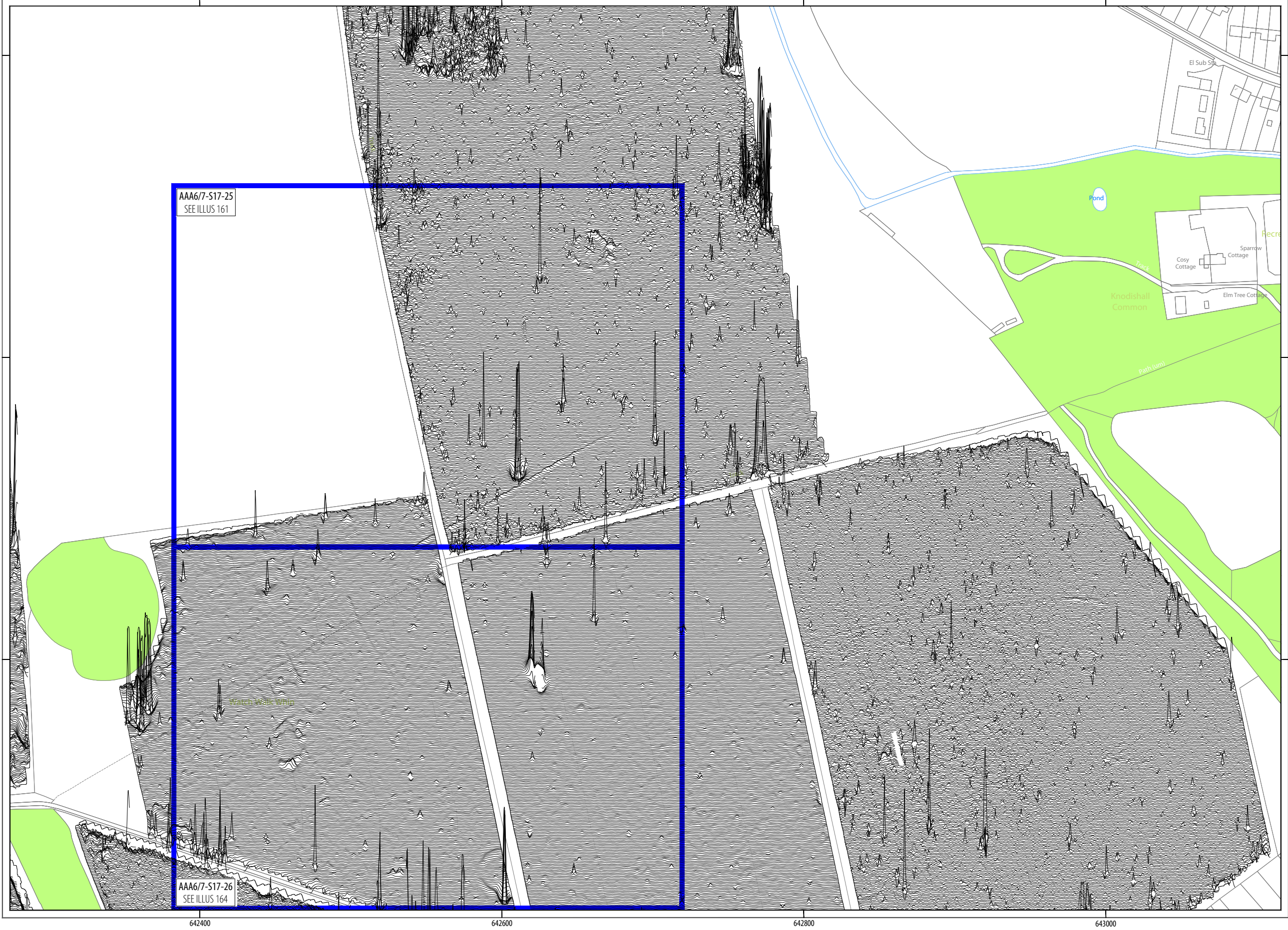


NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



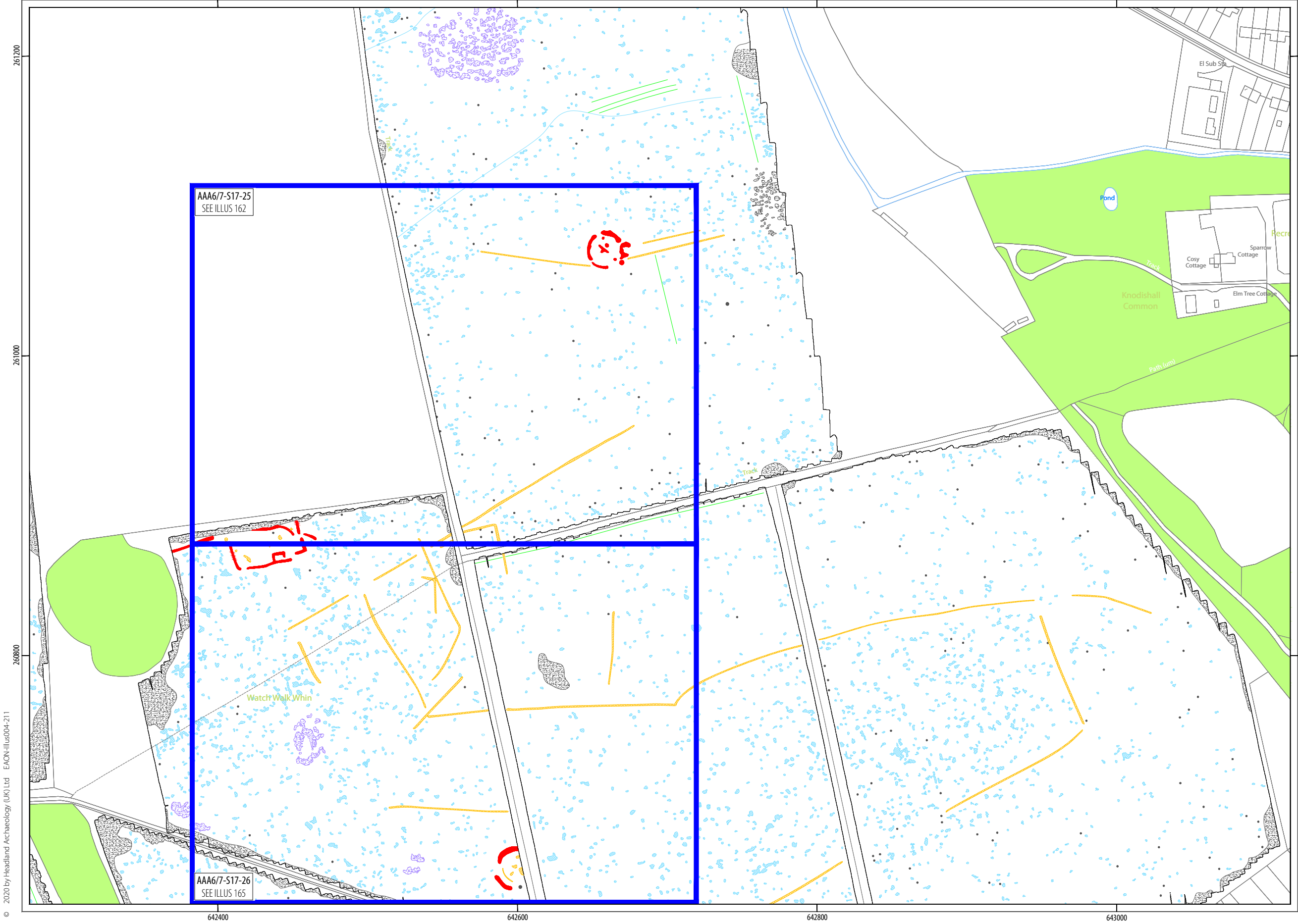
PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

**HEADLAND  
ARCHAEOLOGY**

NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com



Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



TYPE OF ANOMALY	INTERPRETATION
dipolar isolated	ferrous material
magnetic disturbance	ferrous material
magnetic disturbance	quarrying
linear trend	agricultural
magnetic enhancement	geology
magnetic enhancement	archaeology?
magnetic enhancement	archaeology

  
0 500m  
1:2,500 @ A3

PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk

CLIENT Scottish Power Renewables



**HEADLAND  
ARCHAEOLOGY**

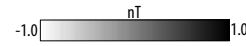
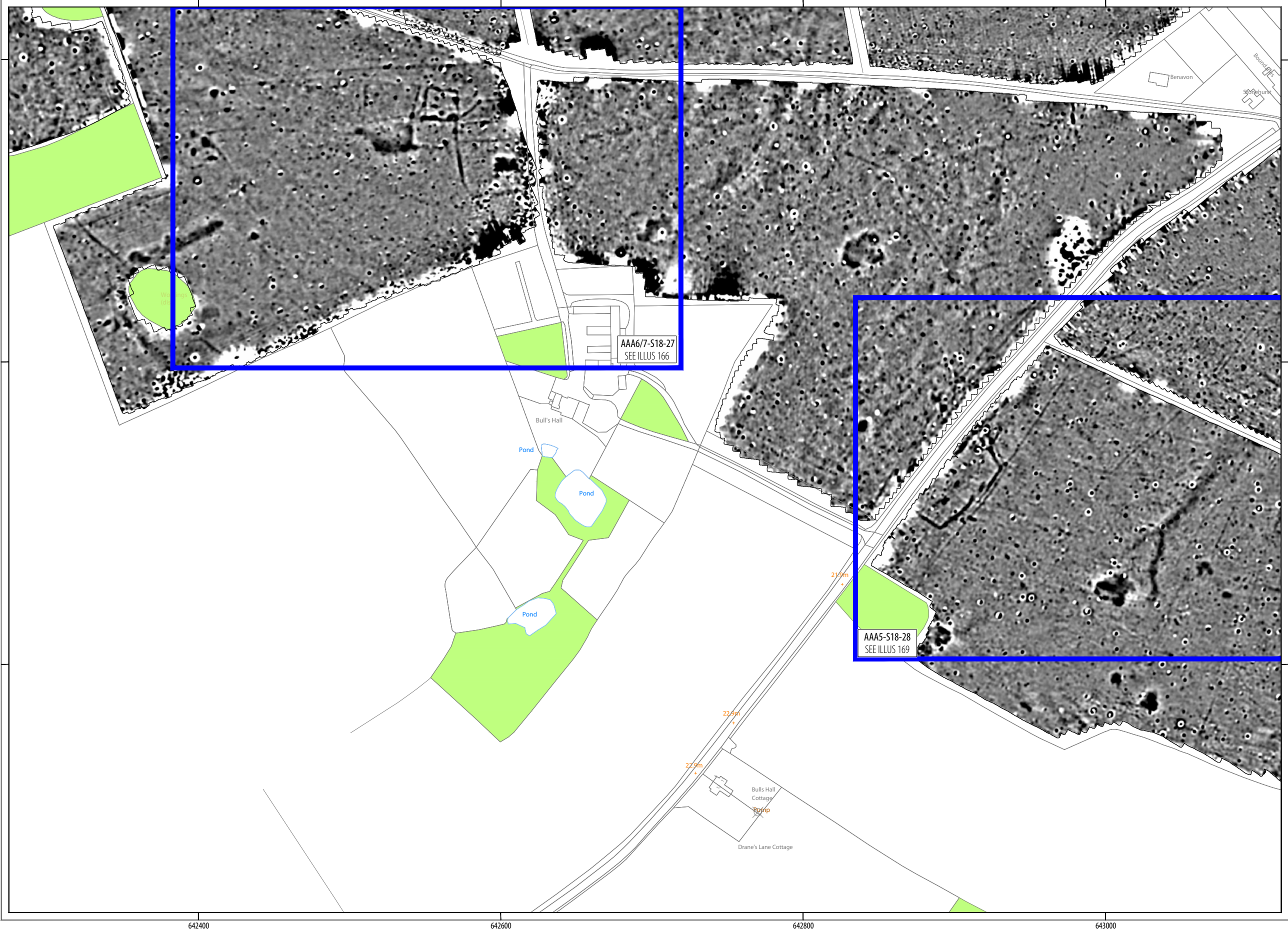
NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com

© 2020 by Headland Archaeology (UK) Ltd EAON-Illus004-211





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

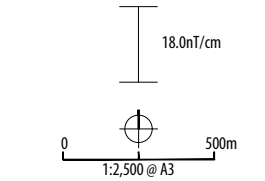
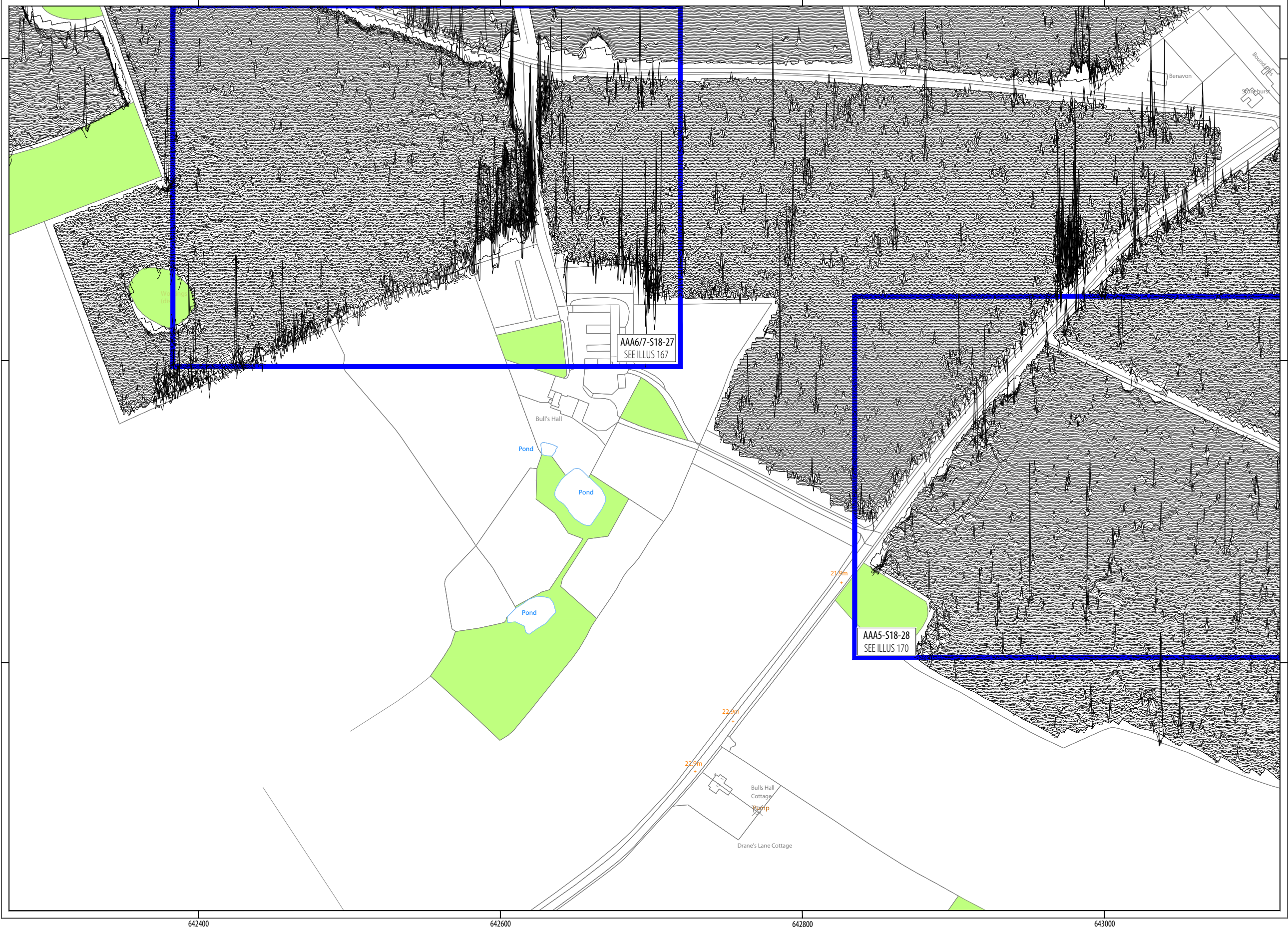


NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables, Ordnance Survey © Crown copyright. All rights reserved.



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

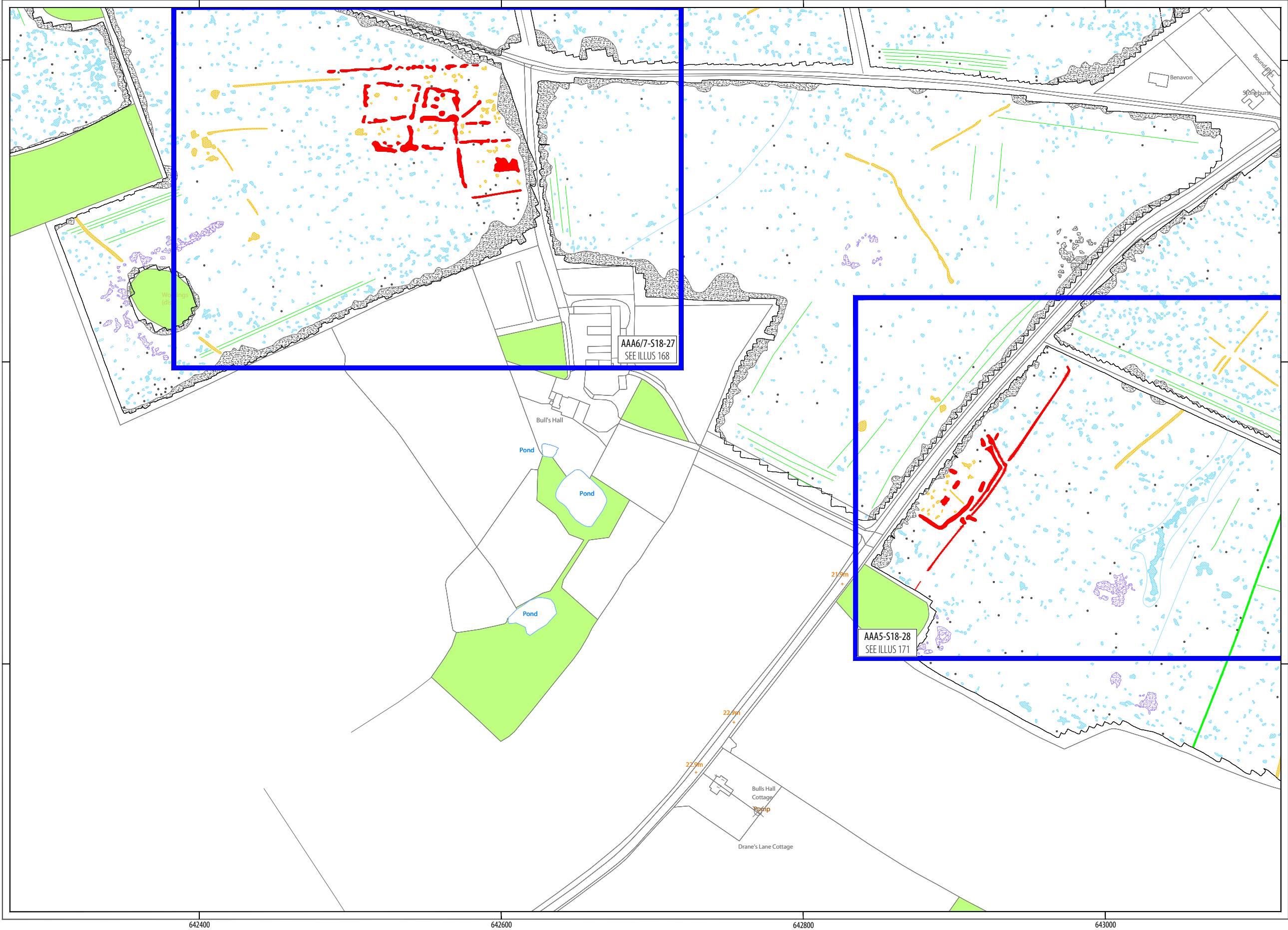


NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com

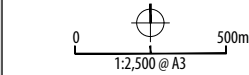
© 2020 by Headland Archaeology (UK) Ltd EAON-Hilus004-211



Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



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



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

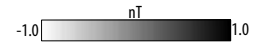
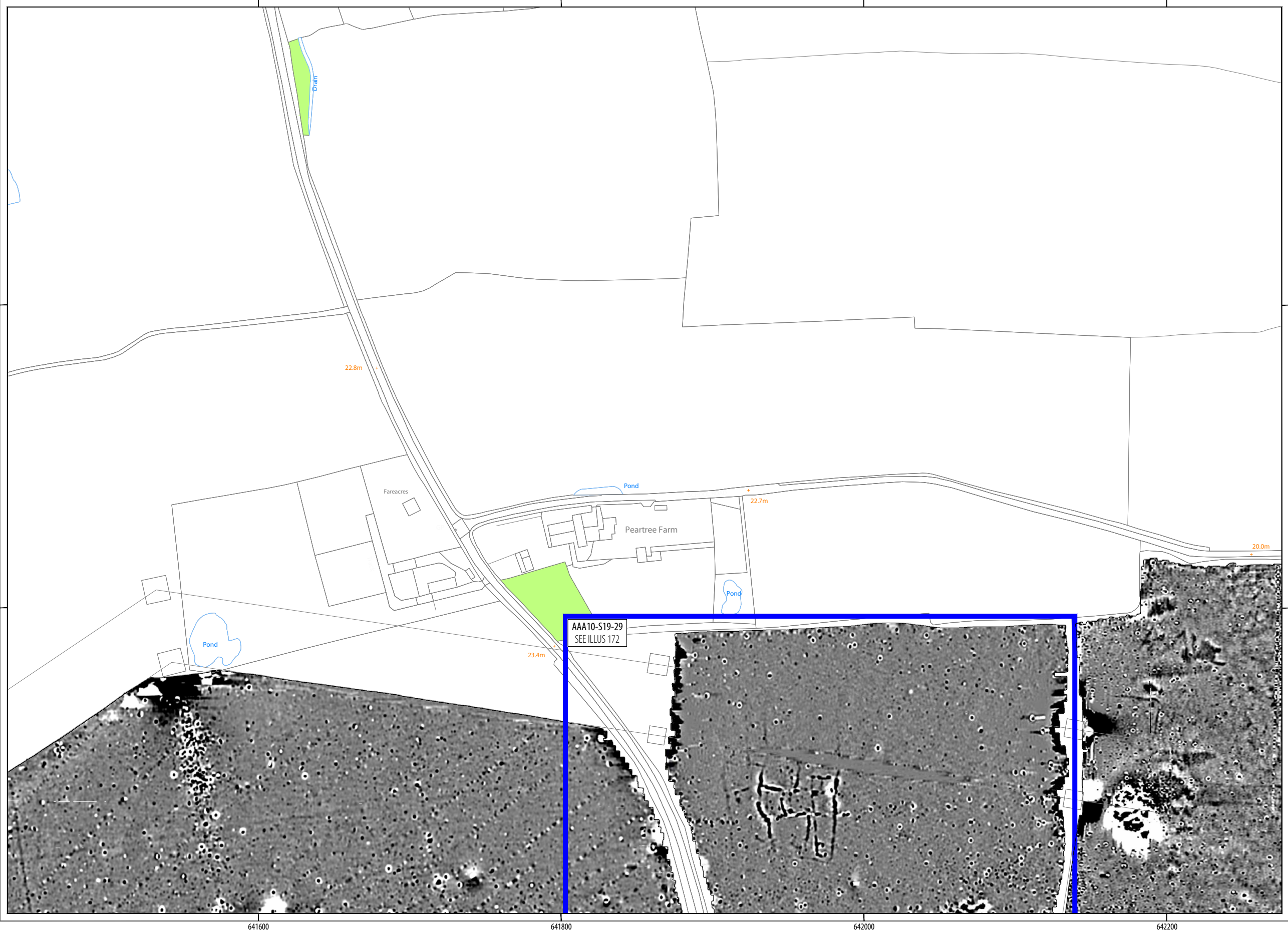
**HEADLAND  
ARCHAEOLOGY**

NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables



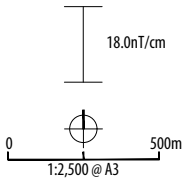
NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com

ILLUS 64 Processed greyscale magnetometer data; Sector 19  
Applicable to East Anglia ONE North and East Anglia TWO





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



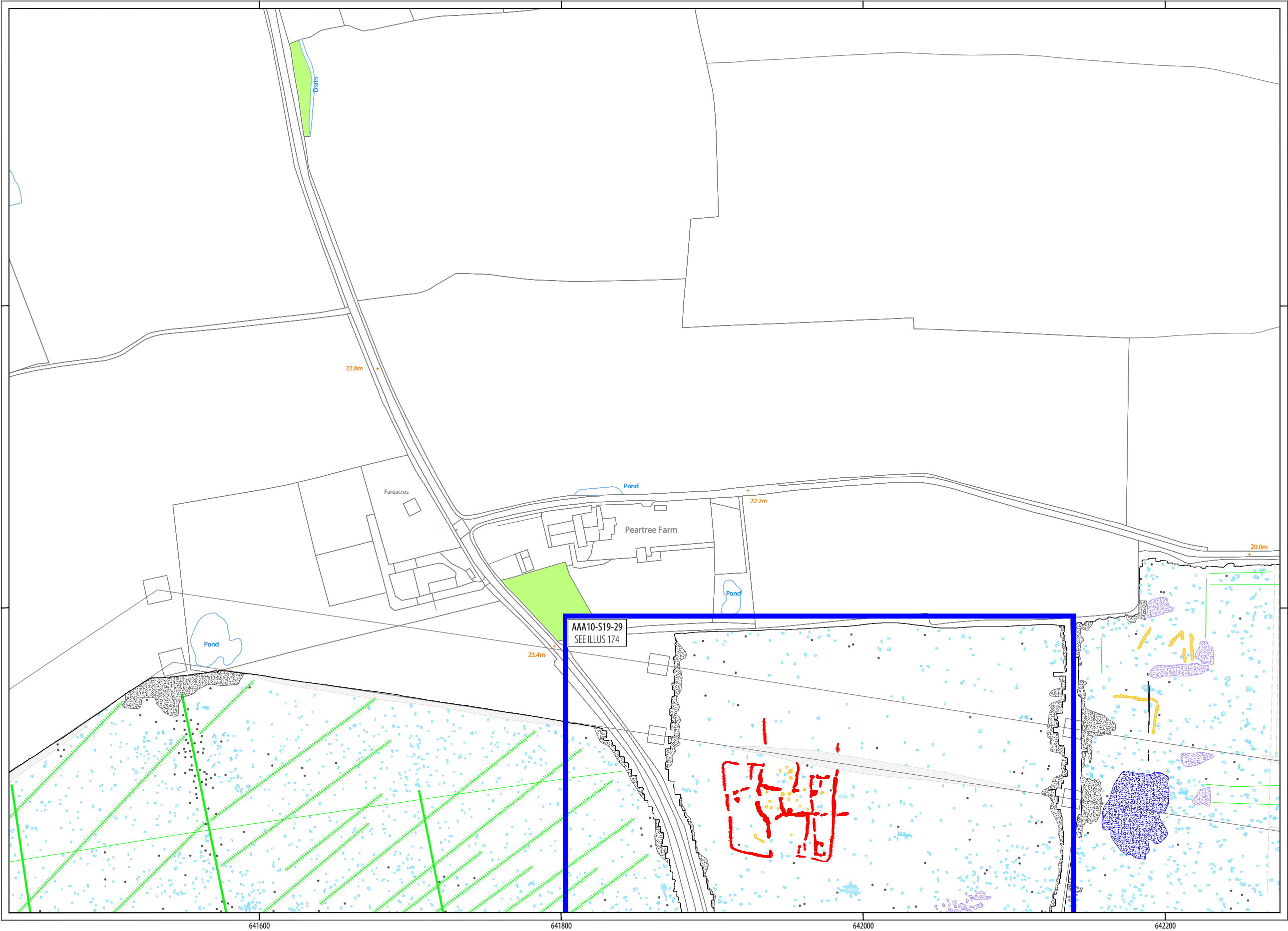
PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables



NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com



Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
--- linear trend	bad data
○ null value	overhead cables
● magnetic disturbance	quarrying
● magnetic disturbance	modern
++++ linear trend	field drain
— linear	former field boundary
● magnetic enhancement	geology
● magnetic enhancement	archaeology?
● magnetic enhancement	archaeology



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk

CLIENT Scottish Power Renewables

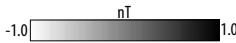
**HEADLAND  
ARCHAEOLOGY**

NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

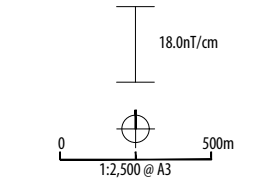
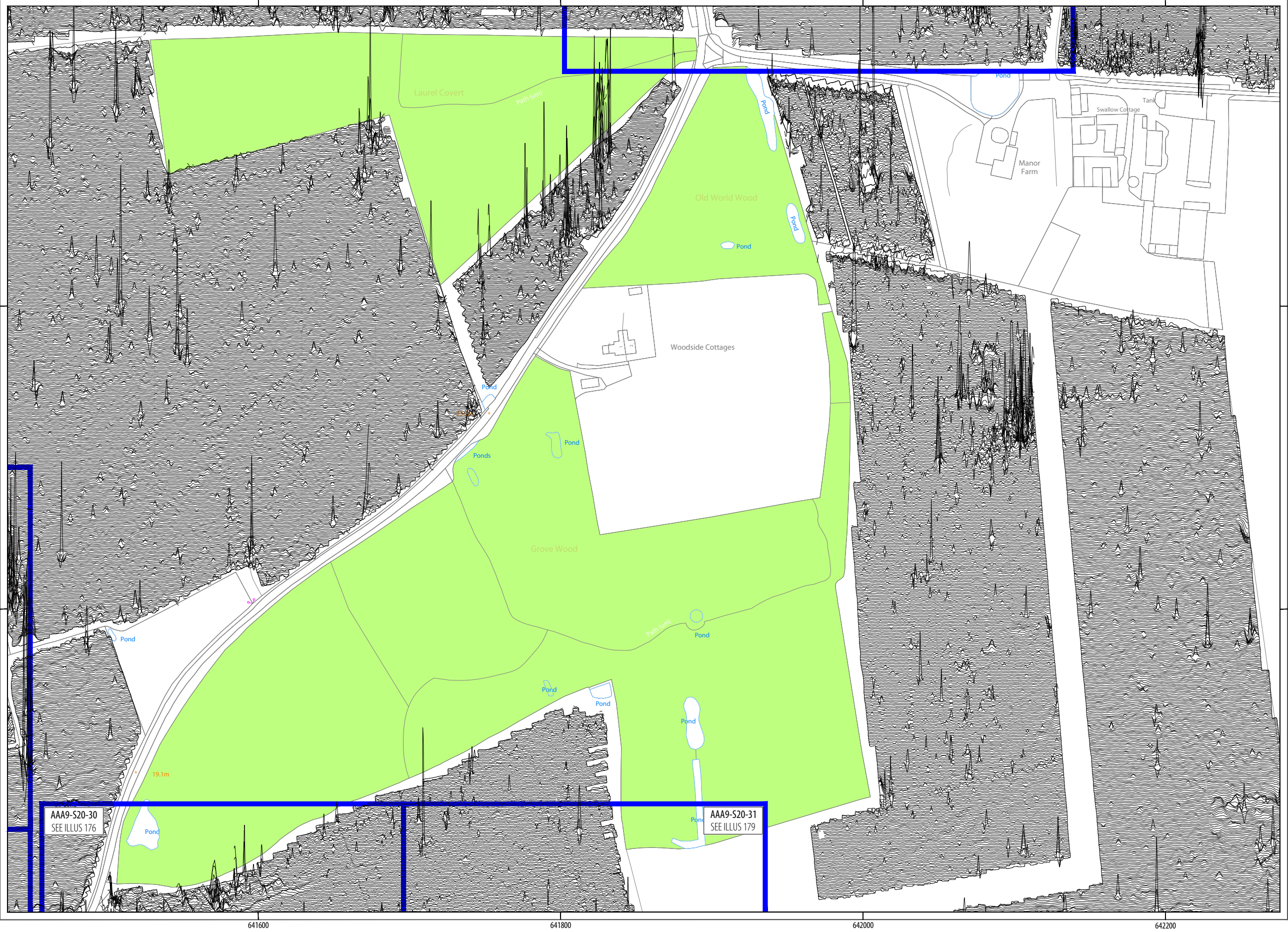
**HEADLAND  
ARCHAEOLOGY**

NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



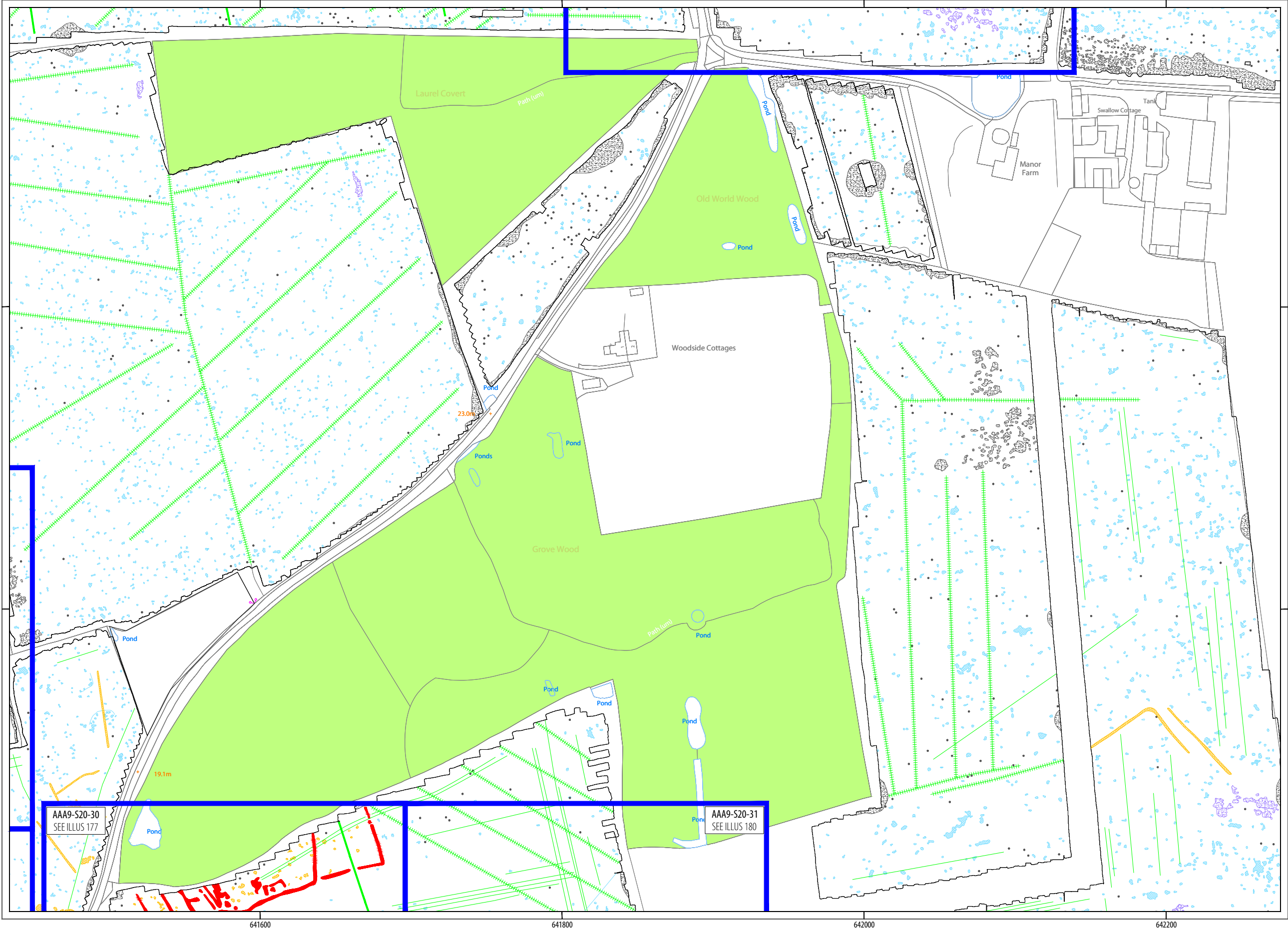
PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables



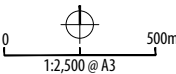
NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com



Reproduced using digital data supplied by Scottish Power Renewables, Ordnance Survey © Crown copyright. All rights reserved.



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



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

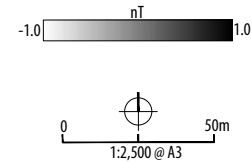
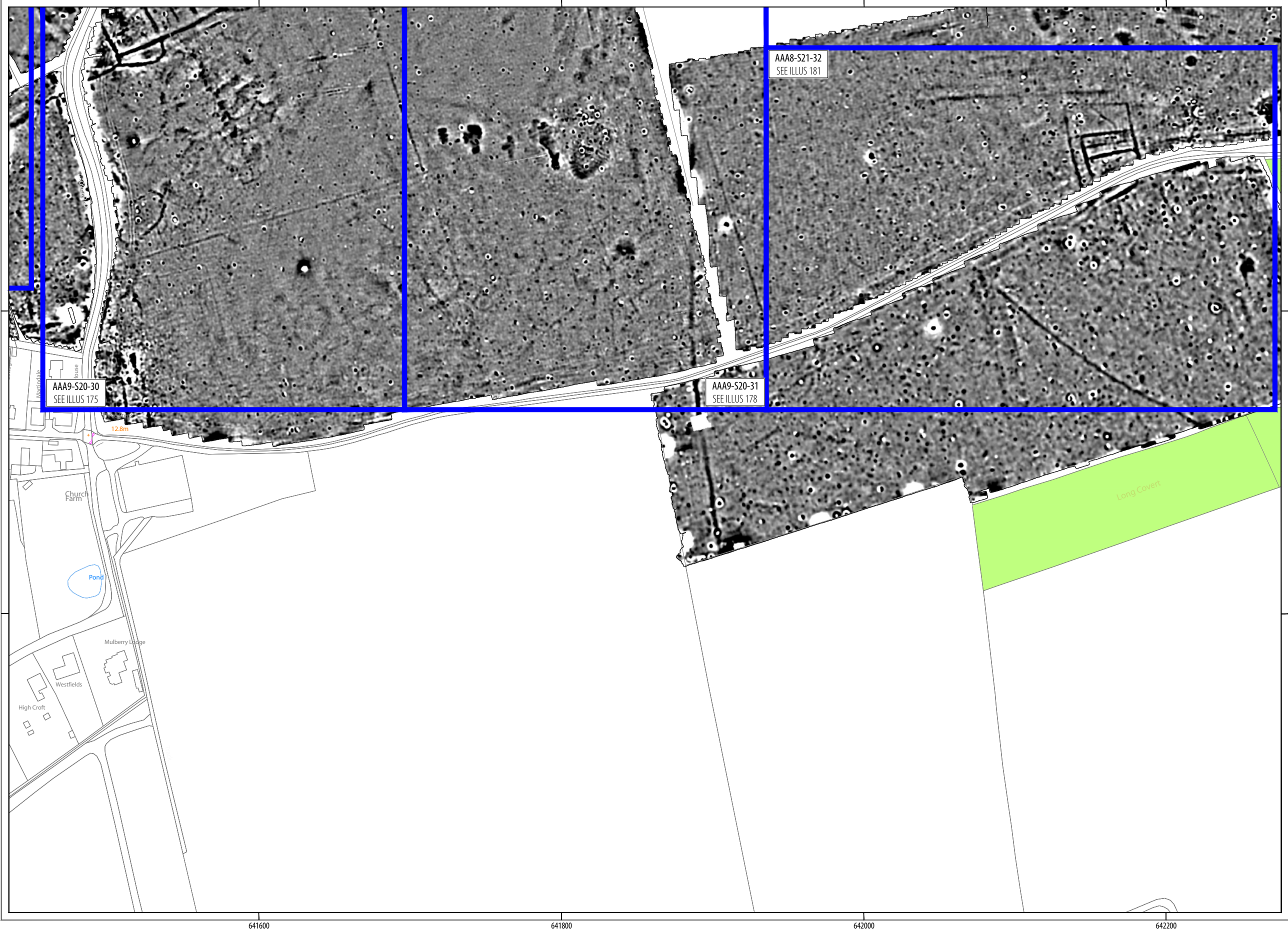
**HEADLAND  
ARCHAEOLOGY**

NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables



NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com

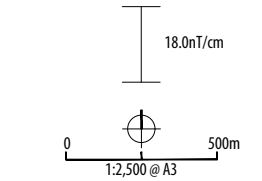
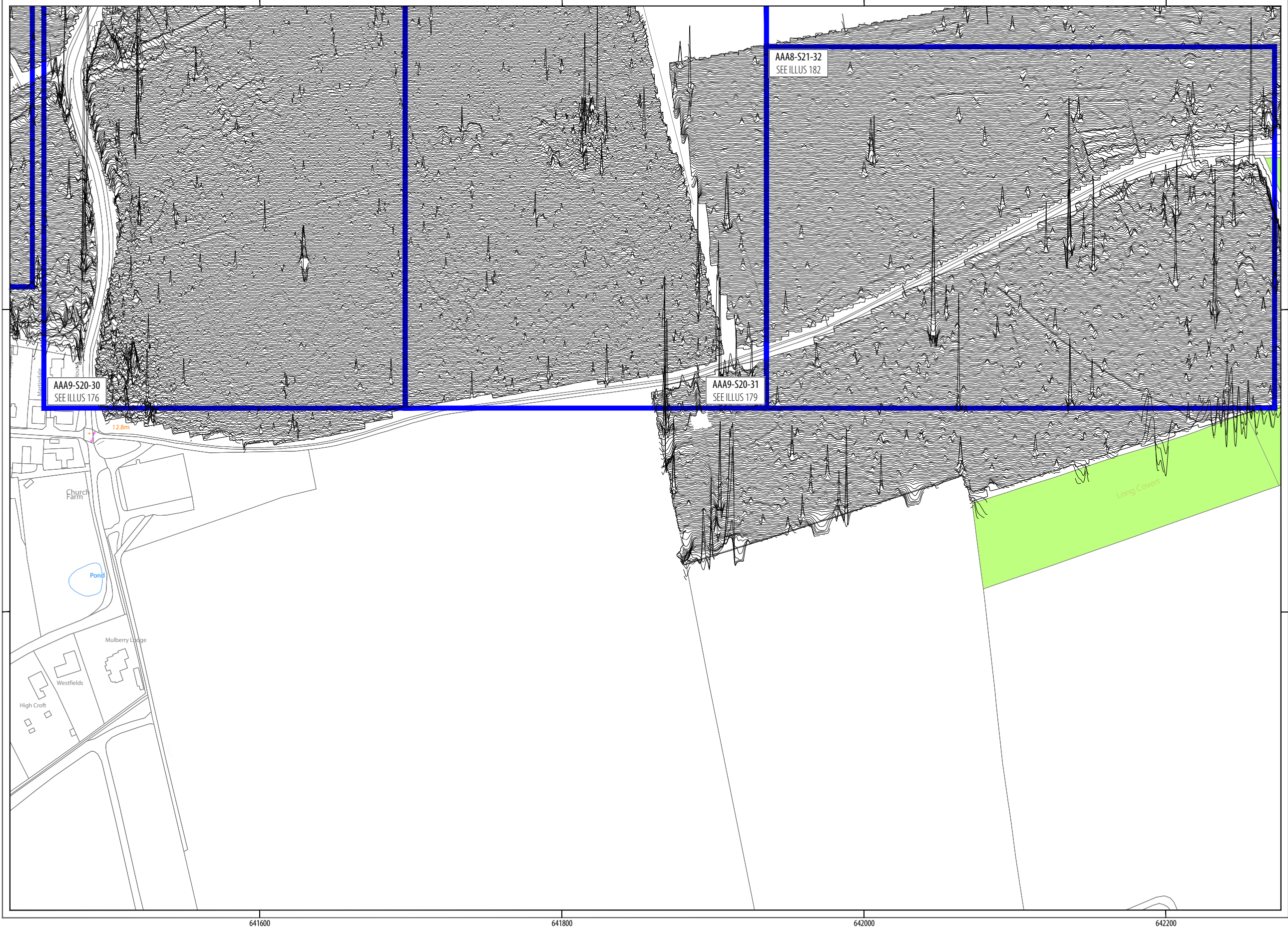
© 2020 by Headland Archaeology (UK) Ltd EAON-Illus004-211

ILLUS 70 Processed greyscale magnetometer data; Sector 21  
Applicable to East Anglia ONE North and East Anglia TWO





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



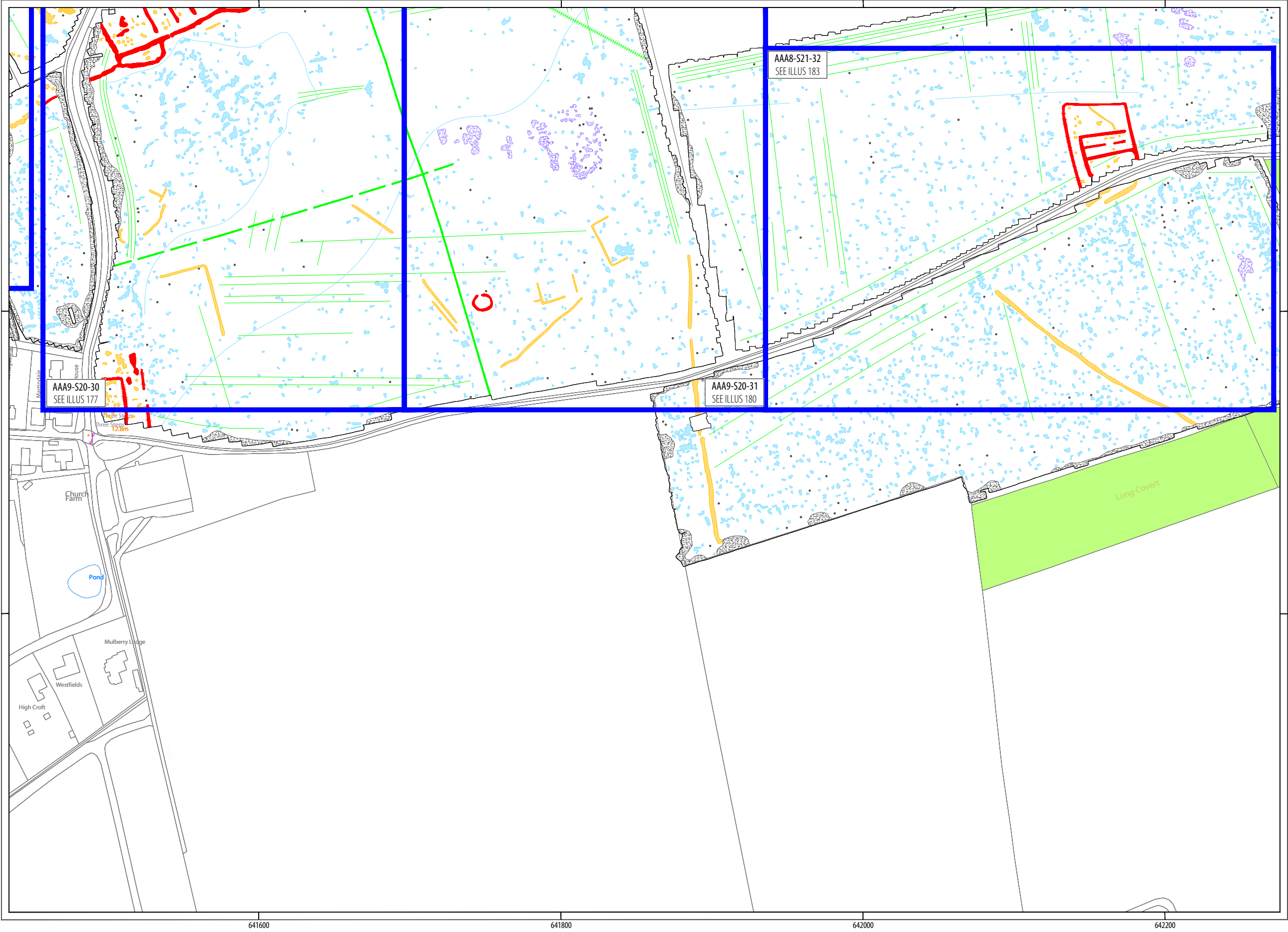
PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables



NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com



Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



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

0 500m  
1:2,500 @ A3

PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk

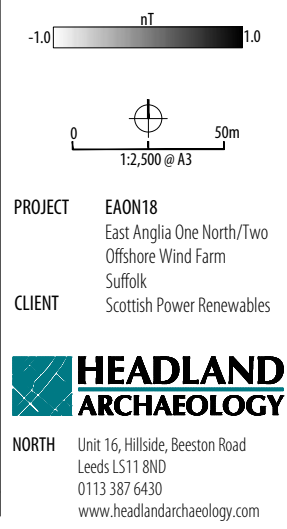
CLIENT Scottish Power Renewables

**HEADLAND  
ARCHAEOLOGY**

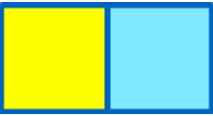
NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com



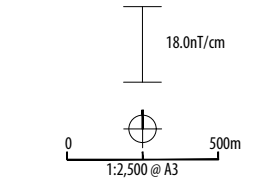
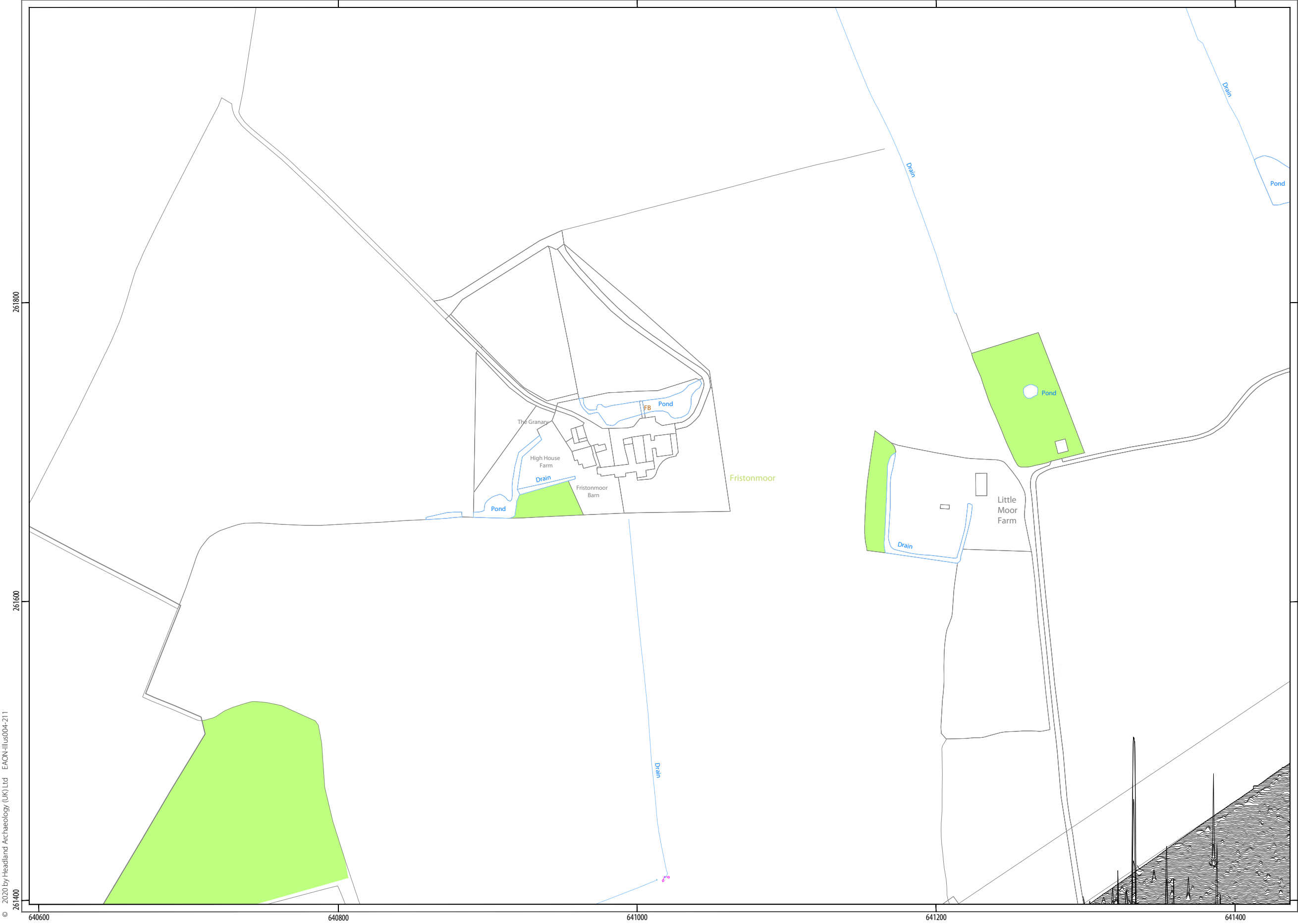
ILLUS 73 Processed greyscale magnetometer data: Sector 22  
Applicable to East Anglia ONE North and East Anglia TWO







Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables



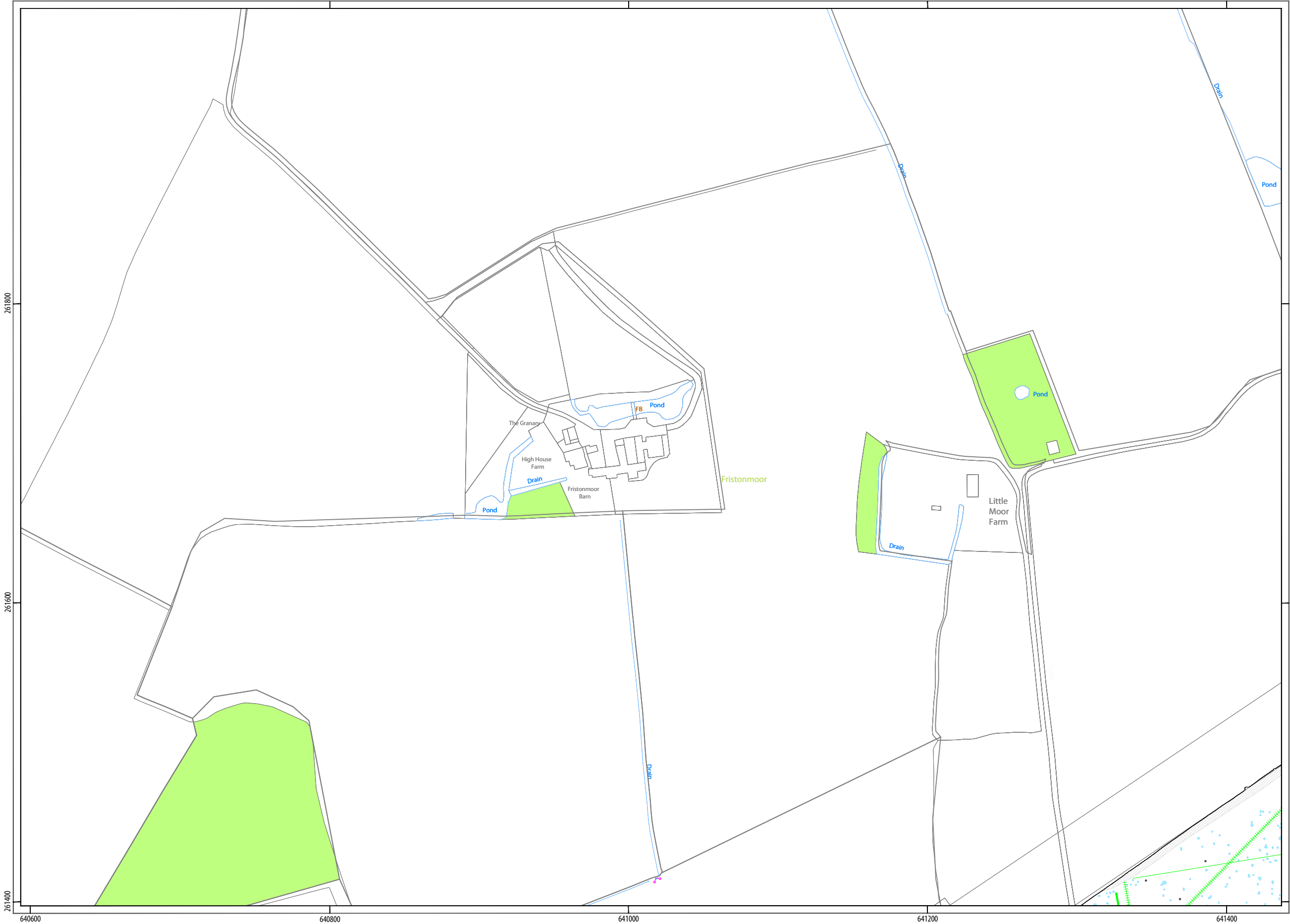
NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com

© 2020 by Headland Archaeology (UK) Ltd EAON-Hilus004-211

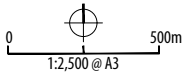




Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
○ null value	overhead cables
— linear trend	agricultural
++++ linear trend	field drain
— linear	former field boundary
○ magnetic enhancement	geology



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

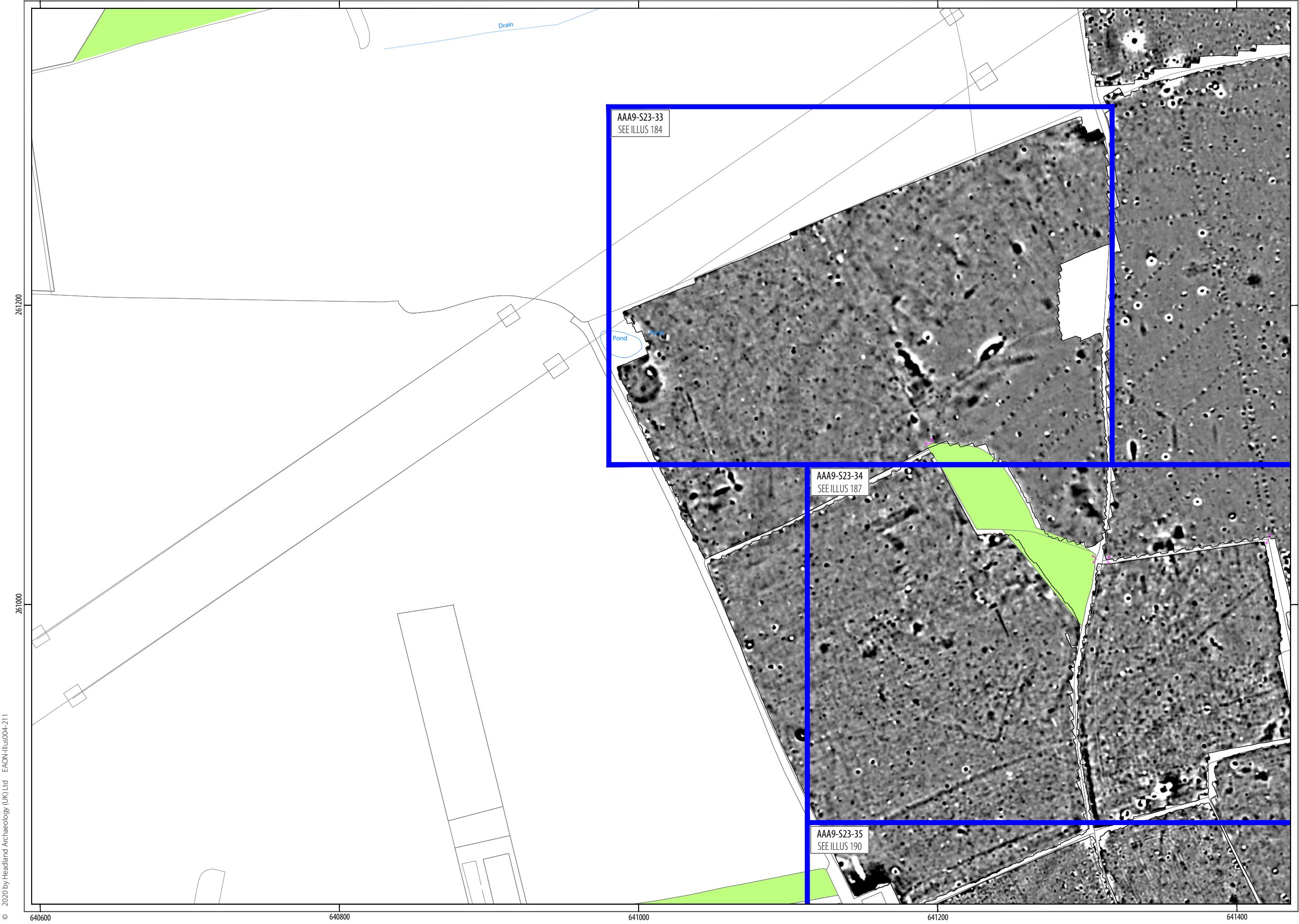


NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com



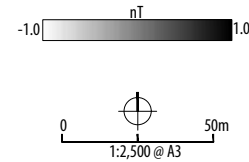


Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



© 2020 by Headland Archaeology (UK) Ltd EAON-Illus004-211

ILLUS 76 Processed greyscale magnetometer data; Sector 23  
Applicable to East Anglia ONE North and East Anglia TWO



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables

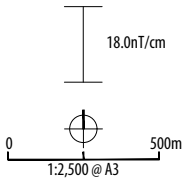


NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com





Reproduced using digital data supplied by Scottish Power Renewables. Ordnance Survey © Crown copyright. All rights reserved.



PROJECT EAON18  
East Anglia One North/Two  
Offshore Wind Farm  
Suffolk  
CLIENT Scottish Power Renewables



NORTH Unit 16, Hillside, Beeston Road  
Leeds LS11 8ND  
0113 387 6430  
www.headlandarchaeology.com