SPROATLEY TO ASSELBY PROPOSED PIPELINE

Archaeological reconnaissance, fieldwalking & geophysical survey

Prepared by

NETWORK ARCHAEOLOGY LTD

on behalf of

BLACK & VEATCH

for

MURPHY PIPELINES LTD

for

NATIONAL GRID TRANSCO

Report no. 321

March 2005

DOCUMENT CONTROL

Client 1	Black & Veatch (B&V)						
Client 2	Murphy Pipelines Ltd (MPL)						
Client 3	National Grid Transco						
Project	Sproatley to Aldbrough Pipeline						
Document title	Sproatley to Aldbrough Pipeline: Archaeological reconnaissance, fieldwalking and geophysical survey						
Report no.	321						
Document ref.	SPA 4-3 v2.1						
Distribution	James Twohig, Black & Veatch David Evans, Humber Archaeology Partnership (HAP)						
Document Comprises	**Doc. Control sheet**	**Table of contents**	**List of tables**	**List of figures**	**List of Appendices**	**Text**	**Appendices**
	1	2	1	1	1	30	94

Version	**Status**	**Author(s)**	**Reviewer**	**Approver**	**Date**
1.0	first issue	Rosey Burton BA (Hons), MSc. Project Officer	Martin Lightfoot BA (Hons) Project Manager	David Bonner BA (Hons) Director	23rd February 2005
2.0	second issue	Rosey Burton BA (Hons), MSc. Project Officer	Martin Lightfoot BA (Hons) Project Manager	David Bonner BA (Hons) Director	28th March 2005
2.1	final issue	David Bonner BA (Hons) Director			11 October 2005

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NON-TECHNICAL SUMMARY

This archaeological field survey report relates to a proposed gas pipeline to be built between *Sproatley* (519750E 432670N) and Aldbrough (526700E 436800N) in East Riding of Yorkshire. The proposed pipeline is approximately 7.7 km long and lies to the north east of the city of Kingston Upon Hull.

This report presents the results of archaeological field reconnaissance, fieldwalking and geophysical survey along the course of the 44m wide proposed working width of the pipeline.

The surveys corroborated three regionally important known sites - a Bronze Age barrow lying off the route, a probable extension of an Iron Age/Romano-British settlement and an enclosure both of which lie on the route. The latter appears to be part of an extensive and previously unsuspected settlement site. The surveys also found an additional twenty new sites on the course of the proposed pipeline, all of which are considered to be locally important and will be impacted.

The locally important sites include: magnetic anomalies indicating possible pits and ditches, and former field boundaries; earthworks of former field boundaries and a mound; a low density artefact scatters possibly resulting from manuring of arable fields and the findspots of Iron Age and Saxon pottery.

Only one known site, lying on the course of the pipeline, was uncorroborated by the field surveys.

Approximately 5.75km of the route, representing *c*. 75% of its total length, appears to be archaeologically quiet. This is unlikely to be a true representation of archaeological potential in these areas. Sites may not have been detected because they are finds poor, masked by alluvium/colluvium, masked, or in areas of poorly responsive soils.

At this stage, two sites have been flagged up for specific discussion. These include the two regionally important settlement sites.

Consideration is also given to the potential of historic boundaries, and also geo-archaeological, palaeo-environmental and organic remains.

Avoidance mitigation is understood not to be a possibility on this scheme as the post-construction maintenance easement has already been purchased. Recommendations are therefore made for the consideration of trench evaluation/excavation and a watching brief during construction, following consultation with *Humber Archaeology Partnership*.

Recommendation	**Plots**
Avoidance	none
Trench evaluation	N11/N12 and N21
Topographical survey	none
Watching brief	all plots

1 INTRODUCTION

1.1 Archaeological surveys

1.1.1 Scope of archaeological work

This report presents the combined results of archaeological field reconnaissance, fieldwalking and geophysical surveys undertaken along a proposed gas pipeline.

1.1.2 Aims of the surveys

The purpose of the archaeological surveys was to consider the cultural heritage implications of the proposed pipeline, to assist in the selection of an archaeologically least damaging route, and to provide a basis for further stages of investigation.

The general objectives were to:

- identify and define the extent of known archaeological remains lying within the working width of the proposed pipeline;
- provide a preliminary assessment of their significance;
- assess the overall impact of the proposed pipeline on the remains;
- assess the need for further evaluation and mitigation prior to and during construction; and
- make recommendations for further evaluation and mitigation, where necessary.

Survey specific objectives can be found within the Written Schemes of Investigation (Network Archaeology 2004, 2005).

1.1.3 Resourcing

The reconnaissance survey and fieldwalking survey was undertaken by a team of three people over one week in December 2004. The geophysical survey was undertaken by a team of four people over two weeks in December 2004 and January 2005. Finds assessment involved four different specialists. Report writing was undertaken by two individuals over a two week period and use was made of MapInfo GIS and AutoCAD to manage and present the data.

1.1.4 Reliability and potential limitations of surveys

Field survey data collection and interpretation is limited for a number of reasons:

- differential levels of 'archaeological visibility' along the route mean that a field in ideal condition for field reconnaissance and geophysical survey may not be suitable for the recovery of finds.

- the lack of clarity surrounding the extent of some sites makes it difficult to provide a precise assessment of potential impact.

- making subjective interpretations of the archaeological significance of field observations, finds scatters and geophysical anomalies, is problematic, when for instance, an absence of surface finds or a lack of magnetic anomalies could be a genuine absence, but equally could be the result of a well preserved site, or poorly responsive geology respectively.

1.2 Proposed pipeline

1.2.1 Location of the pipeline

National Grid (NG) Transco is planning to construct a new high pressure pipeline for the transportation of natural gas, between an existing pipeline at *Sproatley* and an existing underground gas storage facility at *Aldbrough* in East Riding of Yorkshire (figure 1).

1.2.2 Reasons for building the pipeline

The proposed pipeline is intended to reinforce NG Transco's National Transmission System and to accommodate the forecast volumes of gas coming from the new Aldbrough Gas Storage Facility, primarily in response to increasing demand for gas by domestic and commercial users in the North East of England.

1.2.3 Pipeline specifications

The proposed 900 mm (36") diameter pipeline will be approximately 7.7 km long and will be designed for pressures up to 75 bar g.

1.2.4 Pipeline construction

Construction is planned for 2006. The pipeline is to be built within a 44m working width, which will be decreased at hedgerows and increased up to 54m at road, rail and river crossings and at other areas of constraint.

The majority of the pipeline will be constructed in open cut, apart from three roads and two drain/streams which will be underpassed by auger bore. There will be no directional drilling.

Construction will primarily use the spread technique. Construction activities will be in a phased sequence as follows: surveying the route, fencing, installing pre-construction drainage, preparing the working width, topsoil stripping, stringing out the pipes, welding, coating and inspecting the pipeline, trenching, placing the pipeline in the trench and reinstatement of the working width. Typically, each construction activity will move forward at the rate of up to 1km per day.

1.3 Legislation, regulations and guidance

The pipeline will be constructed under the *Gas Act, 1986* (*amended 1995*), and therefore does not require permission from the Department of Trade and Industry (DTI) under the *Pipeline Act, 1962*. The pipeline is, however, subject to the requirements of *The Public Gas Transporter Pipe-line Works (Environmental Impact Assessment) Regulations, 1999* (S.I. 1999/1672). An Environmental Impact Assessment (EIA) has been undertaken and an ES has already been submitted to the DTI.

This ES will be submitted during the Detailed Design Phase of the pipeline and will include the results of this study and probably the results of some archaeological field surveys but it is unlikely to include the results of any archaeological trench evaluation (see Appendix A).

Temporary works areas (e.g. the construction yard and pipe storage areas) may require planning consent under the *Town and Country Planning Act 1990*. As a consequence, a separate archaeological assessment of the temporary work areas may be required under PPG 16.

All works associated with the construction of the proposed pipeline are exempt from the 1997 Hedgerow Regulations (*pers. comm.* Michael Newton, Hedgerow and Nature Conservation Officer, East Riding of Yorkshire Council 1st February 2005).

1.4 Archaeological Background

1.4.1 Known archaeological sites

Known archaeological sites lying in the vicinity of the pipeline include post-medieval buildings, 20th century military sites, several sites of former medieval settlement, possible Bronze Age ring ditches, possible Iron Age/Roman enclosures and field systems visible as cropmarks in aerial photographs, a late Neolithic/Bronze Age flint scatter, drains and the site of a former lake.

There is one scheduled monument, Shaw Fosse moated site, thought to be the possible site of a medieval grange of Thornton Abbey.

There are four conservation areas located in the villages of Aldbrough, Lelley, Preston and Sproatley. Listed buildings lie within and outside the conservationa areas.

Recent geophysical survey, trial trenching and open area excavation, at the site of the proposed Aldbrough gas storage facility, located a previously unknown and well-preserved Iron Age and Romano-British settlement and also a low level of Neolithic/Early Bronze Age activity (Wardell Armstrong 2004).

Table 1.1: Summary table of known archaeological sites

Reference	Description	NGR
No number	Iron Age & Romano-British settlement	525800 436800
No number	cropmark	521600 434250
No number	cropmark of rectilinear enclosure	523750 435750
No number	possible ridge and furrow	522550 435450
SMR 30	site of windmill at Ringbrough	526100 437000
SMR 1574	cropmark of ditched enclosure	519400 432400
SMR 2760	Sproatley settlement & SMV	519300 434400
SMR 2762	Sproatley Grange DMV	519600 433300
SMR 2764	Lelley Dyke DMV	521300 433500
SMR 2766	cropmark of subrectangular ditched enclosure	522200 432700
SMR 3090	Humbleton settlement & SMV	522900 434200
SMR 3091	Mill Hill – possible site of windmill	522400 435800
SMR 3092	linear earthwork	522800 435000
SMR 3094	Shaw Fosse moated site (SAM 21205)	522760 435160
SMR 3096	field system & enclosure	521300 434600
SMR 3234	deserted medieval village	520300 431700
SMR 4972	Church of St Peter	522640 434850
SMR 5629	supposed position of a windmill	520350 432200
SMR 8732	possible bog oaks	520480 434360
SMR 9828	Ivy Cottage	522600 434800
SMR 11034	enclosures, trackway & ditches	525200 436900
SMR 11036	enclosures	524600 436400
SMR 11962	Spoatley Grange gravel pit	519890 433290
SMR 11993	sundial	520010 433410
SMR 11994	site of sheepfold	520010 433360
SMR 11995	site of bolt	522560 434830
SMR 15709	Gallows Bridge	523300 436300
SMR 16663	Humbleton Manor	522270 434770
SMR 16674	Moor Gate	520900 434000
SMR 18389	Field cottage	519630 433630

SMR 18433	Site of World War II Decoy	525900 437200
SMR 18789	?two barrows	519400 433100
SMR 18790	enclosure and field system	519800 433900
SMR 18835	site of Flinton Army Camp	522100 435800
SMR 18837	WW II anti-aircraft battery	524700 434600
SMR 18911	bank	521820 434520
SMR 18912	trackway & SM	521880 434110
SMR 18913	ditches of Bronze Age? barrows	522500 433780
SMR 18914	undated soil mark interpreted as a ring ditch	520200 432150
SMR 18927	L' shaped cropmark of possible medieval building	522620 433290
SMR 18951	trackway & ring ditches	522000 434800
SMR 20140	flint scatter	526102 436687
SMR 20141	ridge & furrow	526250 436700
SMR 20142	Sproatley Mere	520500 433100

1.4.2 Historical background

Place-name evidence suggests that many of local farms and villages were established during the early medieval period. The names Aldbrough (`old stronghold') and Ringbrough may be indicative of earlier settlements.

The cartographic archive for the area is limited, but those that do exist indicate that there has been very little change to the local landscape since enclosure began in the late eighteenth century (Wardell Armstrong 2004).

1.5 Physical environment of the pipeline route

1.5.1 Location

The proposed 7.7 km long pipeline joins an existing pipeline at *Sproatley* (519750E 432670N) to an above ground facility at *Aldbrough* (526700E 436800N), on the Holderness coastal region in the East Riding of Yorkshire (figure 1).

1.5.2 Geomorphology

The route of the proposed pipeline is across gently undulating open farmland (5m - 20m AOD).

1.5.3 Solid geology

The solid geological formations and groups which underlie the working width are listed and described below:

Cretaceous (144-65 million years BP)

- ***Rowe Formation:*** white flinty chalk
- ***Flamborough Chalk Formation*****:** white flintless chalk with thin marl beds

1.5.4 Superficial geology

The superficial deposits which underlie the working width are listed and described below under the period heading to which they belong:

Holocene (11,000 years BP to present)

- ***Alluvium:*** Soft to firm silts and clays containing with local shell accumulations; alongside Sproatley Drain and Bail Drain and also possibly in shallow surface depressions

Pleistocene (1.8 million - 11,000 years BP)

- ***Glacial-fluvial Sands & Gravels***: undifferentiated sands and gravels with variable quantities of stone, loosely consolidated; located near Owsthill House and Sproatley Grange
- ***Glacial till:*** bluish-grey, stiff, tough clay containing irregular lenticular masses of chalk, limestone, sandstone, and flint gravel, sand and loam; located along most of the working width

1.5.5 Soils

The proposed route crosses two main soil types, which are described below (SSEW 1983):

- ***Holderness*** (711u); a slowly permeable seasonally waterlogged fine loamy soil, suited to cereals and short-term grassland.
- ***Burlingham 2*** (572o); deep fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging, and also, some well drained fine and coarse loamy soils. These soils support winter cereals and some field vegetables.

Although not mapped in this area, there is the possibility of encountering soils developed over pockets of relict marine alluvium, or over river alluvium along former stream courses. Such soils are likely to be stoneless calcareous silty or clayey soils, affected by groundwater with a consequent risk of flooding. These soils are good for stock rearing on permanent grassland, but tend to be cultivated in areas where there is a low risk of flooding.

1.5.6 Landuse

The proposed pipeline lies within the coastal farming zone of the Holderness District. This region has one of the highest percentages of arable land in the North of England, with over 85% under intensive production.

The surrounding area characterised by large open fields drained by a network of dykes and ditches. At the east end of the study corridor, field boundaries are more fragmented, in contrast to those further inland, which retain a stronger sense of enclosure, due to the higher incidence of hedgerows.

The local population comprises dispersed rural communities living in small hamlets and farms, such as at Humbleton, Flinton, Lelley and Nuttle Hall Farm. The largest nearby settlement is the village of Spraoyely, lying 1.5km to the northwest. This sparse population has a strong agricultural economy, and is served by a network of B-class roads, minor roads and tracks.

There is an absence of major tree cover along the corridor, the only woodland being the deciduous tracts at Bail Wood (centred at NGR 525200 436600).

1.5.7 Hydrogeology and hydrology

The proposed pipeline lies on the east side of the Holderness basin, within the catchment of the River Humber. Rainfall results in minimal infiltration into the local clayey soils and mostly produces surface run-off directly into field drains which then discharge into one of two main drainage systems. The western system includes Nuttles Drain, Sproatley Drain, Lelly Drain and Fox Covert Drain, none of which are crossed by the pipeline. The eastern system includes Humbleton Beck and Bail Drain, both of which are crossed by the proposed pipeline. An indicative floodplain exists between Humbleton Beck and Aldbrough Lane to the west (Wardell Armstrong 2004).

1.6 Staged approach to archaeological investigation and route selection

NG Transco adopts a staged, multi-disciplined approach to route selection (see Appendix A).

An initial scoping study investigated a suitable pipeline route to connect the underground storage facility at Aldbrough to the NTS (NG Transco 200???).

Environmental Impact Assessment resulting in the recent submission of an Environmental Statement to the DTI, has been undertaken as part of NG Transco's Conceptual Design phase (Wardell Armstrong 2004).

Murphy Pipeline Ltd is currently refining the *preferred route* as part of Transco's Detailed Design phase.

This field survey report forms one stage in what is expected to be a detailed investigative programme of archaeological research, investigation and mitigation during the Detailed Design Phase and Construction Phase of the pipeline.

1.7 Commissioning bodies

The archaeological surveys were commissioned by Black & Veatch (B&V) for Murphy Pipelines Ltd (MPL) on behalf of NG Transco. The archaeological contractor was *Network Archaeology Ltd*, a professional archaeological organisation which provides consultancy advice and undertakes field services.

1.8 Terms of reference

This field survey report will be issued to B&V, who will issue it to MPL and NG Transco. This report will also be subject to external review by the Planning Archaeologist for East Riding of Yorkshire and English Heritage.

1.9 Report structure

This field survey report is divided into seven chapters forming three main sections:

Chapters 1-2: serve to introduce the organisations involved, the proposed development, the context, method and standards of field survey, and the layout of this report.
Chapter 3: presents the results of the surveys
Chapters 4-5 deal with the impacts of the proposed development on the archaeological sites within the proposed working width of the pipeline and discuss approaches which should be adopted for dealing with them.

2 PROCEDURES

2.1 Standards

This assessment has been conducted according to the Institute of Field Archaeologists *Code of Conduct* (2000).

2.2 Establishment of the proposed pipeline centreline

The pipeline centre-line had been marked using GPS at field boundaries by MPL in advance of the archaeological surveys. These markers were used by the survey teams to locate the pipeline route and to orientate themselves across the fields.

2.3 Field numbering

Fields along the route had already been assigned numbers prior to the start of the archaeological surveys. As these allocations were not unique to each field, a series of consecutive numbers was assigned by the archaeological survey team. To differentiate these numbers from the existing number allocations, the new numbers were prefixed with a capital N. Number allocations are presented in Table 2.1 below.

Table 2.1: Plot number allocations

Network	MPL	Network	MPL	Network	MPL
N1	1/1	N8	4/3 and 5/1	N15	9/2
N2	1/1	N9	6/1	N16	9/3
N3	2/1 and 3/1	N10	6/2	N17	10/1
N4	3/2	N11	7/1	N18	10/2
N5	4/1	N12	7/1	N19	12/1
N6	4/1	N13	8/1	N20	No number
N7	4/2	N14	9/1	N21	No number

2.4 Field reconnaissance survey

This consisted of a visual inspection of every field along the pipeline route, in order to record extant earthworks, significant soil or vegetative anomalies, the nature of land boundaries, present (and former) land use, visible geology, and general topographical variations. Observations were recorded on pro-forma record sheets and a summary appears in appendix B.

Further details of the survey methodology can be found within the WSI (Network Archaeology 2005).

2.5 Fieldwalking survey

Fieldwalking was carried out by a team of three archaeologists walking at 10m spacings within each arable field. Five transects were walked, centred on the centreline of the proposed pipeline. Each walker scanned roughly one meter either side of each survey transect. This gave a 42m wide survey area, and provided approximately 23% coverage of the ground within the proposed 44m wide working width.

Recovered artefacts were located with a hand-held GPS system, and given a unique numeric reference (1, 2, 3 *etc*.). Details of each field walked (including weather/light conditions, ground visibility, relief, walkers present) were recorded on pro-forma record sheets. These form part of the project archive and a summary appears in appendix B.

Further details of the survey methodology can be found within the WSI (Network Archaeology 2005).

2.6 Geophysical survey

This work was carried out using the two techniques of magnetometer and magnetic susceptibility surveying. The magnetometer survey was arranged as a 15m wide sample strip along the full length of the proposed route, centred on the centreline of the proposed pipeline. The area surveyed was equivalent to coverage of a sample area of about 36% of the proposed 44m wide working width. The susceptibility survey was based on readings taken at 12.5m intervals along two transects.

The geophysical survey was positioned in each field by reference to Ordnance Survey co-ordinates measured from the 1:2500 strip maps, and located with a GPS system with sub-metre accuracy. Additional geophysical specification can be found in the technical geophysical survey report (appendix G - Bartlett-Clark Consultancy 2005).

2.7 Data management and presentation

2.7.1 Definition of a 'site'

The term 'site' is used throughout this report to refer to ancient monuments, buildings of architectural and historical importance, parks, gardens, designed landscapes, battlefields, public spaces, historic landscapes, historic townscapes, findspots of artefacts and any other heritage asset. Unless otherwise stated the term 'site' refers to the location where a site was situated and not to extant remains (e.g. a windmill means the location of a former windmill, and a pond means the location of a former pond). The only exception is structures, which can be taken to be extant unless otherwise stated

2.7.2 Reference conventions

The information gathered from the field surveys is uniquely referenced throughout this report and on all the figures (see table 2.2). Sites found during the course of the field surveys, which were not previously identified in the Environmental Statement, are referred to as FSU sites, and are identified by a numeric suffix. Known Environmental Statement sites, which have been corroborated by the field surveys, are referenced by their existing alphanumeric codes.

Table 2.2: Summary of site reference codes

Reference code	Terms of reference	Example site reference
ES	Environmental statement	ES:01
FSU	Field Survey site	FSU:08
LS	Listed Structure	LS TA03NE 10/58
MON	English Heritage MONARCH database and Events database	MON 1309749

Reference code	Terms of reference	Example site reference
SAM	Scheduled Ancient Monument	SAM 26502
SMR	East Riding of Yorkshire Sites and Monuments Record	SMR MHU3638

2.7.3 Table of field survey sites

A summary of field survey sites is tabulated within appendix C. The table is structured in alphanumerical order. The gazetteer provides the source, cross-references, description, period and location of each site. The location is given as a 12 figure national grid reference to the centre of the point, area or linear. The gazetteer also gives a category of importance (see section 2.7.9), an assessment of impact (section 2.7.10) and an assessment of the significance of impact (section 2.7.11).

2.7.4 Field survey site figures

The archaeological sites listed in the gazetteer are presented on three A3 constraint figures (2-4). Each site is represented by a star, shaded area or dashed line, depending on the type of data held. The symbols and corresponding labels are coloured according to the importance of the site (see 2.7.9).

2.7.5 Artefact distribution figures

The finds retrieved by fieldwalking are presented on five A3 figures (5 - 9). Each find is represented by a symbol indicating the category of material. Each symbol is coloured according to the date of the find.

2.7.6 Geophysical survey figures

Magnetometer survey data is presented in grey-scale on eleven A3 figures (10 - 20). The magnetic susceptibility survey data is presented by proportional shading with interpretative magnetometer survey results on eleven A3 figures (21 - 31). Magnetometer survey data is presented in grey-scale and as trace-plots with interpretation on nine A3 figures (32-40).

2.7.7 Accuracy of displayed data

Site data may have been originally captured at a different scale to that which it is now displayed. This should be borne in mind when interpreting the exact location of constraint points and polygonal boundaries. The table below (2.3) presents estimated accuracy levels based upon visual comparison with plots.

Table 2.3: Summary of accuracy levels for displayed data

Source	Source type	Source scale	Positional accuracy in relation to current OS mapping	Accuracy in relation to position on the ground
ES	OS map	1:10,000 1:10,560	1mm	± 10m
ES	OS map	1:2,500	1mm	± 2.5m
ES	AP vertical	1:5,000 - 1:10,000	1-5mm	± 5 - 50m
ES	AP oblique	1:1,000 - 1:2,500	1-5mm	± 5 - 50m

Source	Source type	Source scale	Positional accuracy in relation to current OS mapping	Accuracy in relation to position on the ground
ES	Tithe/enclosure map	1:5,000 - 1:10,000	1-5mm	± 5 - 50m
FSU	reconnaissance survey	-	-	±5m
FSU	fieldwalking survey	-	-	±5m
FSU	geophysical survey	-	-	±1m
LS	digital points	-	-	? ± 10m
MON	digital points	-	-	? ± 10m – 1000m
SAM	annotated OS map	1:10,000	1mm	±10m
SAM	annotated OS map	1:2,500	1mm	±2.5m
SMR	Annotated maps, digital points and text data	(1:10,000)	±1-200mm	? ± 10m – 2000m

2.7.8 Impact assessment process

Archaeological impact assessment is the process by which the impacts of a proposed development upon the archaeological resource are identified. Each site has been assessed in its wider heritage landscape, taking account of identity, place, and past and present perceptions of value.

A three stage process was adopted:

Stage 1:assessment of importance (see 2.7.9)
Stage 2:assessment of the impact of the proposed development (see 2.7.10)
Stage 3:assessment of significance of impact (see 2.7.11)

2.7.9 Importance

The sites listed in the gazetteer, in appendix C, have been rated according to their perceived importance into categories A to D and U (as shown in table 2.4). Where possible, each site has been assessed on the following characteristics:

- complexity (i.e. diversity of elements and relationships)
- condition (i.e. current stability and management)
- period
- physical form
- rarity
- setting
- survival (i.e. level of completeness)

The grade awarded to each site considered the scale at which the site may be judged significant (i.e. in terms of local, regional and national policies, commitments and objectives); representational value, diversity and potential; and existing local, regional and national designations (e.g. Scheduled Ancient Monuments). Some sites within the study corridor benefit from statutory protection and other protection (see appendix B).

The process of importance categorisation has been adopted as a tool in determining appropriate mitigation. The categories should not be taken as a statement of fact regarding the importance or value of a particular site. The use of examples of types of site is simply a guideline. The inclusion of a site in a particular category often involves a degree of subjective

judgment and is based upon the current level of information. Categories are not fixed or finite, and there is every possibility that the classification of a site may change as a result of findings made during later stages of investigation.

Table 2.4: Site category definitions

Grade	Description	Examples	Investigation and mitigation
A	Legally protected site	Conservation Area Listed Building (I, II* and II) Scheduled Ancient Monument World Heritage Site	To be avoided
B	Nationally and internationally significant site, currently not legally protected	Grade I and II* Registered Park and Garden Registered Battlefield Major settlements (e.g. villas, deserted medieval villages) Burial grounds Standing historic buildings (non-listed)	To be avoided
C	Regionally significant site	Grade II Registered Park and Garden Some settlements, finds scatters, Roman roads, sites of historic buildings	Avoidance desirable, otherwise investigation recommended
D	Locally significant site	Field systems, ridge and furrow, trackways, wells	Avoidance /investigation not envisaged
U	Ungraded	Non-archaeological site held by data source	Natural mound

2.7.10 Impact of the proposed development

The potential impact of the proposed scheme upon a site has been assessed at three levels:

- nature of impact (see table 2.5)
- type of impact (see table 2.6): a nominal 44m working width has been allowed.
- magnitude of impact (see table 2.7)

Table 2.5: Nature of impact definitions

Positive	Beneficial contribution to the protection or enhancement of the archaeological and historical heritage
Negative	Detrimental to the protection of the archaeological and historical heritage
Neutral	Where positive and negative impacts are considered to balance out
None	No or negligible impact due to distance from proposed scheme, and/or construction technique which negates the impact

Table 2.6: Impact type definitions

Direct	Physical damage, including compaction and/or partial or total removal. Severance, in particular linear sites
Indirect	Visual intrusion affecting the aesthetic setting of a site, Disturbances caused by vibration, dewatering, or changes in hydrology *etc.*
Uncertain	Where the physical extent or survival of a site is uncertain, or where the visual impact of the proposed scheme on the setting of sites or the landscape has not been determined

Table 2.7: Magnitude of impact definitions

Severe	Entire or almost entire destruction of the site
Major	A high ratio of damage or destruction to the site
Minor	A low ratio of damage to the site
Indeterminate	Where the data level does not allow any secure calculation (e.g. because the quality and extent of the site is unknown, or because construction techniques have not yet been decided)

Factors affecting the assessed magnitude of impact include:

- the proportion of the site affected
- the integrity of the site; impacts may be reduced if there is pre-existing damage or disturbance of a site
- the nature, potential and heritage value of a site

2.7.11 Significance of impact

The 'significance' of the impact has been assessed as the product of the importance of each site, and the impact of the proposed scheme upon each site. The levels of significance of impact are defined in table 2.8. Significance of impact definitions are provided only for negative impacts, as these were the only type on this particular scheme. The significance of impact rating takes no account of potential mitigation.

Table 2.8: Significance of impact definitions

Stage 1	**Stage 2**			**Stage 3**
Importance of site	**Nature of impact**	**Type of impact**	**Magnitude of impact**	**Significance of impact**
A	negative	direct	severe	high
			major	high
			minor	high
			indeterminate	high
		indirect	severe	high
			major	high
			minor	medium
			indeterminate	high or medium
		uncertain	indeterminate	unknown
B	negative	direct	severe	high
			major	high
			minor	medium
			indeterminate	high or medium
		indirect	severe	high
			major	medium
			minor	medium
			indeterminate	high or medium
		uncertain	indeterminate	unknown
C	negative	direct	severe	medium
			major	medium
			minor	low
			indeterminate	low or medium
		indirect	severe	medium

Stage 1	Stage 2			Stage 3
Importance of site	**Nature of impact**	**Type of impact**	**Magnitude of impact**	**Significance of impact**
			major	low
			minor	low
			indeterminate	low or medium
		uncertain	indeterminate	unknown
		direct	severe	medium
			major	low
			minor	low
			indeterminate	low or medium
D	negative	indirect	severe	medium
			major	low
			minor	low
			indeterminate	low or medium
		uncertain	indeterminate	unknown

3 RESULTS

3.1 Field reconnaissance survey

Access was gained to, and observations recorded in, all twenty-one fields along the route, a summary of which appears in appendix B.

Reconnaissance found four sites. One of these corroborated a Bronze Age barrow which had previously been identified by the ES (Wardell Armstrong 2004). The other three sites, which were previously unknown, included an oval mound (FSU:002), a former field boundary (FSU:003) and a spread of burnt stone (FSU:001) (see appendix B). The mound could be the site of a barrow but in light of any corresponding geophysical anomalies (see 3.3) it is more likely to be natural.

3.2 Fieldwalking survey

3.2.1 Ground conditions

Of twenty-one fields crossed by the proposed pipeline route, sixteen were suitable for artefact retrieval and the remainder were either in pasture, set-aside or arable crop. The majority of those fields which were walkable were in a good condition for the retrieval of artefacts.

3.2.2 Artefact types

Nine hundred and thirty-eight artefacts, weighing 15.39kg, were retrieved from the fields which were suitable for finds retrieval. A summary of the artefact quantifications by type is provided in table 3.1. A brief discussion of the finds is presented below and further detail can be found in the specialist reports in Appendix F.

Table 3.1: summary quantifications by artefact type

Identification	count	weight (g)
CBM	199	7,986
Clay heat affected	1	14
Clay pipe	33	87
Flint knapped	18	232
Glass	49	1,135
Metal	5	85
Pottery	595	4,835
Production waste	24	438
Shell	12	129
Stone worked	2	449
Totals	**938**	**15,390**

The ceramic building material (CBM) included brick and tile, the bulk of which was post-medieval and early modern. There was additionally a moderate amount of medieval CBM and a couple of pieces of possible Roman material (Appendix F, Vince).

The clay pipe fragments were all unmarked stems of post-medieval and early modern date (Appendix F, Booth).

The flint was mostly debitage but also included a hammerstone and several tools ranging in date from Neolithic to Bronze Age (Appendix F, Wilson).

The glass included fragments of bottles and vessels dating to the post-medieval and modern periods (Appendix F, Booth).

The metal included copper alloy, iron and lead objects, some of which were identifiable but all proved to be insignificant (Appendix F, Booth).

The pottery formed the bulk of the finds and included sherds of later prehistoric, Roman, Saxon, medieval, post-medieval, early modern and modern date. The bulk of the pottery was abraded indicating that it had been within the ploughsoil over a prolonged period of time and possibly indicating that it had been generated from manuring processes in antiquity (Appendix F, Vince).

The production waste was mostly by-products of uncertain processes, though blast furnace slag and possibly iron smithing slag is present. None are indicative of *in-situ* production (Appendix F, Cowgill).

The shell was mostly oyster but also included snail and cockle (Appendix F, Booth).

The worked stone included one identifiable fragment of an early modern or recent hone (Appendix F, Vince).

3.2.3 Artefact distribution

The distribution of artefacts along the route is presented on figures 5-9 and summarised in table 3.2 below and appendix D. Given the amount of the route which was walked and the consistently good ground conditions (see appendix B), the distribution of artefacts along the route, can be assumed to be broadly representative of archaeological activity.

Table 3.2: summary of material type by plot

Date	Material	Plots	Concentration
prehistoric	flint	1, 3-4, 9, 11-13, 15-16	none
prehistoric	pottery	4, 10	none
Roman	pottery and tile	4, 6, 14	none
Saxon	Pottery	14	none
Medieval	Pottery	1-2, 4, 6, 8, 10-11, 13, 17	Plot N4
Post-medieval	Pottery, cbm, glass, clay pipe and slag	1-2, 4-6, 8-17	none

There appeared to be a low to moderate level of prehistoric, medieval, post-medieval and early modern activity along the entire route. Roman and Saxon activity appeared to be very limited. Distribution densities, find condition and range of artefact type indicate that manuring was taking place within late medieval, post-medieval and early modern field systems crossed by the route.

The prehistoric flints showed no obvious concentrations and were assumed to represent general background activity, no doubt associated with a number of known and assumed prehistoric sites in the area. Possibly significant prehistoric finds were the fragments of pottery from plots N4 and N10. The sherd from plot N10 (no. 6145), was large and fresh and was probably recently dislodged from an *in-situ* Iron Age deposit. Although, it was notable that plot N10 was one of the most magnetically quiet plots along the route, a single magnetic anomaly was found in close proximity to the Iron Age sherd (see 3.3; figures 7 and 26).

The Roman finds include pottery and possible tile from plots N4 and N6 and pottery from plot N14. The pottery was small and abraded indicating that it was more likely the result of manuring than settlement. The presence of tile can indicate *in-situ* buildings but it seems more likely that the finds were introduced as manuring into the plots from nearby Roman sites. The tile at the north end of plot N6 may be significant as it correlates with a number of pit-like magnetic anomalies which appear as cropmarks on aerial photographs, though it is suggested that the identification of the tile as Roman is suspect due to the exceptionally low level of pottery of this date (see 3.4 and appendix F - Vince).

The single Ipswich ware sherd from plot N14 is potentially highly significant. Saxon material is nationally rare, and this particular type of pottery is exceptionally rare in Yorkshire. This example was large and fresh, indicating that it had been recently dislodged from an *in-situ* deposit.

The medieval and post-medieval material was broadly spread along the route and was probably introduced as manuring to the agricultural land from known settlements including Sproatley settlement & SMV (SMR 2760), Sproatley Grange DMV (SMR 2762), Lelley Dyke DMV (SMR 2764), Humbleton settlement & SMV (SMR 3090), Shaw Fosse moated site (SAM 21205), and an unnamed DMV (SMR 3234). The south end of Plot N4 appeared to be an exception, in that the average sherd weight (13.2g) was roughly twice that of the rest of the field and all other fields along the route (7.4g), although the finds within this plot, as elsewhere along the route, were small and abraded.

3.3 Geophysical survey

The entire length of the *c.*7.7km route was subject to geophysical survey, apart from short lengths at either end of fields and the south end of the pipeline where there was interference from an existing pipeline.

The most significant result was the identification of potentially regionally important sites in fields N11/N12 and N21. The findings in fields N11/N12 are significant as they lie well away from previously recorded sites. Those in N21 were less surprising considering the recent discovery of an Iron Age/Romano-British site at the Aldbrough AGI (see 1.4.1)

Individual or localised magnetic anomalies have been identified at a number of locations along the route: plots 1-5, 8, 10-13, 15 and 17. It is uncertain how many of these are of archaeological origin. Many of these anomalies may be natural or recent and some have been found in association with other clearly geological or non-archaeological disturbances.

Two sections of the route (plots N5-N6 and N17-N18), which had previously been thought to be of archaeological concern produced few clearly significant findings.

Parallel linear anomalies were identified in many fields along the route, most notably in plots N1, N3, N4, N5, N10, N15 and N16, and these may indicate traces of ridge and furrow.

3.4 Coincidence of sites found by field reconnaissance, fieldwalking and geophysical survey

Fieldwalking, field reconnaissance and geophysical survey are complementary prospecting techniques, the combined results of which can be crucial in interpreting the character of any site.

In plot N1, an area of burnt stone (FSU:001) observed by the reconnaissance survey overlaps with an area of possible pits (FSU:006) identified by the geophysical survey.
In plot N6, a single piece of Roman tile lies in the vicinity of some magnetic anomalies (see 3.2.3), although the anomalies may be natural.

Survey findings from this project show no other obvious correlations.

3.5 Areas with little or no apparent archaeological potential

Approximately 5.75km of the route, representing *c*. 75% of its total length, appears to have few or no known archaeological remains (e.g. plots N6-N8, N10, N14, N16 and N19). The possible reasons for this may include:

- low levels of 'archaeological visibility' along the route, due to the masking effects of alluvium, colluvium or medieval ridge and furrow;
- finds poor sites;
- unresponsive soils or geology which hamper the detection of sites by geophysical survey; or
- a genuine absence of archaeological remains at certain points along the pipeline route.

4 ASSESSMENT OF IMPACT

4.1 Impacts of the proposed scheme

The following construction activities will have direct and indirect impacts on known and potential archaeological remains:

- Fencing
- Topsoil stripping
- Subsoil benching
- Soil storage
- Movement of heavy machinery
- Excavation of the pipe trench
- Working width reinstatement (e.g. subsoil ripping)

These activities could have direct and/or indirect impacts on known and potential archaeological remains within the working width.

4.2 Beneficial impacts

The proposed pipeline is unlikely to result in short or long term beneficial impacts on the archaeological resource.

4.3 Adverse impacts

Twenty-two sites have been identified within the Study Corridor. The grade of each site and level of impact is summarised below in tables 4.1 and 4.2.

Table 4.1 Summary of impacts of the scheme by grade

Grade	Description	Sites recorded by surveys	sites within working width	Uncertain impacts	Indirect impacts	Direct impacts
A	Legally protected site	0	0	0	0	0
B	Nationally significant site, currently not legally protected	0	0	0	0	0
C	Regionally significant site	3	2	0	0	2
D	Locally significant site	20	20	0	0	20
U	Ungraded	0	0	0	0	0
TOTALS		**23**	**22**	**0**	**0**	**22**

Table 4.2 Summary of significance of impacts

Significance of impact	Count
None	1
Unknown	0
Low	5
Low or Medium	14
Medium	1
High	0
Total	**21**

The following sections (4.3.1 to 4.3.4) deal in category order with sites that are directly, or indirectly or possibly affected by the proposed pipeline.

4.3.1 Category A Sites

No legally protected sites were located within the working width (table 4.1).

4.3.2 Category B Sites

No nationally important sites (not legally protected) were located within the working width (table 4.1).

4.3.3 Category C Sites

Two regionally important sites were located within the working width of three plots, all of which will be directly affected by the proposed pipeline (tables 4.1 and 4.2). The sites are discussed below in alphanumeric order and summarised in appendix B:

FSU:016
(plots N11, N12, NGR 523470 435716)
A settlement site has been identified by geophysical survey in plot N12 and probably also in plot N11. In plot N12, there are numerous enclosure/ditch-like and pit-like magnetic anomalies which correlate with high susceptibility readings across the entire field. The enlarged survey area in plot N11shows further linear and other magnetic anomalies which are probably archaeological, but those at the very western end of the field (FSU:015) could well be natural.
Impact: negative, direct, indeterminate; the full character, significance and extent of the archaeology represented by the geophysical anomalies is not known, but the findings are crossed by the proposed pipeline.
Significance of impact: low or medium

FSU:020
(plot N21, NGR 525679 436861)
Geophysical survey in this plot has recorded a dense pattern of enclosure/ditch-like and pit-like magnetic anomalies, together with high susceptibility readings. These findings almost certainly represent a continuation of the Iron Age / Romano-British settlement which was previously investigated within the adjacent AGI.
Impact: negative, direct, indeterminate; the full character, significance and extent of the archaeology represented by the geophysical anomalies is not known, but the findings are crossed by the proposed pipeline.
Significance of impact: low or medium

4.3.4 Category D Sites

Twenty locally important sites were located within the working width of thirteen plots, all of which will be directly affected by the proposed pipeline (tables 4.1 and 4.2). The sites are discussed below in alphanumeric order and summarised in appendix B:

FSU:001
(plot N1, NGR 519839 432702)
A low density scatter of burnt stone was identified along a 200m section of the pipeline in this plot.
Impact: negative, direct, major; the proposed pipeline will cross the middle of the known extent of this scatter
Significance of impact: low

FSU:002
(plot N10, NGR 522716 435492)
A slight mound, approximately 30m by 15m, was located by reconnaissance survey on the course of the pipeline. The mound was thought to be a possible barrow as it lies in the vicinity of other known examples. The lack of a corresponding geophysical anomaly at this location, however, indicates that the mound is more probably natural.
Impact: negative, direct, severe; the mound is directly crossed by the proposed pipeline and a large proportion of the mound will be affected.
Significance of impact: medium

FSU:003
(plot N12, NGR 523760 435618)
Vestigial earthworks of a former field boundary were recorded in this field by the reconnaissance survey
Impact: negative, direct, minor; a relatively small proportion of this linear feature will be affected by the proposed pipeline
Significance of impact: low

FSU:004
(plot N4, NGR 520801 433387)
A concentration of medieval and post-medieval pottery and CBM has been identified at the south end of this plot. Furthermore, the average sherd weight of medieval pottery in this area is twice that of elsewhere in this field and along the route suggesting that the medieval pottery may not necessarily be the result of manuring. Some Roman pottery and tile at this location may also be significant.
Impact: negative, direct, indeterminate; the find concentration is directly crossed by the proposed pipeline, but as its true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:005
(plot N1, NGR 519841 432704)
A possible former field boundary is indicated by a linear magnetic anomaly
Impact: negative, direct, minor; a relatively small proportion of this linear feature will be affected by the proposed pipeline
Significance of impact: low

FSU:006
(plot N1, NGR 519884 432725)
Possible pits are indicated by a cluster of magnetic anomalies
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:007
(plot N2, NGR 520169 432830)
Possible pits are indicated by a cluster of magnetic anomalies
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:008
(plot N3, NGR 520431 432933)
Possible pits are indicated by a cluster of magnetic anomalies
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:009
(plot N3, NGR 520615 433119)
Possible pits are indicated by a cluster of magnetic anomalies
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:010
(plot N4, NGR 520677 433208)
Possible pits are indicated by a cluster of magnetic anomalies
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:011
(plot N4, NGR 520900 433531)
A possible ditch is indicated by a linear magnetic anomaly
Impact: negative, direct, indeterminate; the anomaly is directly crossed by the proposed pipeline, but as its true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:012
(plot N4, NGR 521002 433679)
Possible pits are indicated by a cluster of magnetic anomalies
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:013
(plot N5, NGR 521218 433990)
Possible pits are indicated by a cluster of magnetic anomalies
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:014
(plots N8, N9, NGR 522492 435410)
Ditches, pits and boundaries are indicated by a cluster of linear and other magnetic anomalies
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:015
(plot N11, NGR 523258 435635)
Possible ditches and pits are indicated by a cluster of linear and other magnetic anomalies, and may represent the continuation of FSU:016, although they could be natural.
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:017
(plot N13, NGR 524209 435922)
A possible former field boundary or track is indicated by a linear magnetic anomaly
Impact: negative, direct, minor; a relatively small proportion of this linear feature will be affected by the proposed pipeline
Significance of impact: low

FSU:018
(plot N15, NGR 524840 436176)
A possible former field boundary is indicated by a linear magnetic anomaly
Impact: negative, direct, minor; a relatively small proportion of this linear feature will be affected by the proposed pipeline
Significance of impact: low

FSU:019
(plots N17, N18, NGR 525359 436493)
Possible pits, ditches are indicated by a cluster of linear and other magnetic anomalies, and these correlate with raised magnetic susceptibility
Impact: negative, direct, indeterminate; the anomalies are directly crossed by the proposed pipeline, but as their true character, significance and extent is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:021
(plot N10, NGR 522858 435524)
A fresh, large sherd of Iron Age pottery (6145) from plot N10 was probably dislodged from a feature or occupation deposit by the plough (see appendix F, pF6 – Vince; figure 7).
Impact: negative, direct, indeterminate; the location of the sherd is directly crossed by the proposed pipeline, but as its true character and significance is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

FSU:022
(plot N14, NGR 524592 436045)
A relatively fresh and large sherd of an Ipswich ware jar (6184), a type of Anglo-Saxon pottery, may indicate occupation of this period. Saxon material is nationally rare, and this particular type of pottery is exceptionally rare in Yorkshire. Significantly perhaps, high magnetic susceptibility readings were recorded nearby, although no actual magnetic anomalies could confidently be identified (see appendix F, pF6 – Vince; figures 8 and 29).
Impact: negative, direct, indeterminate; the location of the sherd is directly crossed by the proposed pipeline, but as its true character and significance is unknown, the full impact of the proposed pipeline cannot be determined.
Significance of impact: low or medium

4.4 Ungraded sites

No ungraded sites are located within the working width (table 6.1).

4.5 Sites with no impact

There is one site, which has been identified by the field surveys within a filed crossed by the pipeline but the site will not be affected by it.

SMR 18951
(plot N8, NGR 522000 434800)
Trackway and ring ditches.
Impact: none; this site lies 150m to the south east of the proposed pipeline route
Significance of impact: n/a

4.6 Uncorroborated known sites

There is one site, recorded in the East Riding of Yorkshire SMR (though not flagged up by the ES) within fields crossed by the proposed pipeline working width, which was not corroborated by the field reconnaissance, field walking or geophysical surveys. This site is an area of ridge and furrow recorded in plot N9.

5 RECOMMENDATIONS

5.1 Staged approach to mitigation

The most cost-effective means of managing archaeological risk is to implement a staged approach to investigation and mitigation, as laid out in Table 5.1 and explained in greater detail in Appendix A.

This report represents the conclusion of Stage 3.

Approximately 75% of the proposed route has been shown to have a low potential for archaeological remains (see 3.5) and these areas should progress straight to Stage 6 (see 5.6).

Sections of the proposed route have been shown to have certain or probable archaeological remains, and such areas should be considered for further investigation in advance of construction (Stage 4 and possibly Stage 5) (see 5.5 and 5.5).

Table 5.1 Staged approach to investigation and mitigation

Archaeological Stages of Investigation		**Phase of works**
Stage 1	*feasibility study* of route corridor option(s) an appraisal of archaeological potential	feasibility assessment
Stage 2	*desk-based assessment* of route corridor a thorough synthesis of available archaeological information	conceptual design
Stage 3	*field surveys* of preferred pipeline route, including: field reconnaissance survey, field walking survey, geophysical survey, metal detector survey, auger survey, as appropriate	detailed design
Stage 4	*field evaluation* of targeted areas along preferred pipeline route, including: machine-excavated trenches, hand-dug test-pits, as appropriate	
Stage 5	*excavation* detailed excavation of those sites which it is not possible to avoid or desirable to preserve	
Stage 6	*watching brief* permanent presence monitoring of all ground disturbing activities	construction
Stage 7	*archive and publication* synthesis and dissemination of results, leading on from each of the stages outlined above	post-construction

5.2 Avoidance

No sites are recommended for avoidance at this stage.

Minor alterations to the proposed route or the engineering design should be considered to avoid impacts upon nationally important archaeological remains should any come to light during subsequent archaeological investigations.

5.3 Minimisation of impact

Where feasible, the impact upon unavoidable archaeological sites having a significance of impact of medium or high should be minimised by reduction of the working width to the

minimum practical level, and/or the laying of geotextile matting or bog mats, and/or careful reinstatement procedures (e.g. avoidance of subsoil 'ripping' at archaeological sites).

5.4 Trench evaluation

Trench evaluation in advance of construction is proposed for at least two of the twenty-two sites located by the field surveys and known to lie on the course of the pipeline. These sites are discussed below:

FSU:015 / FSU:016
(plots N11, N12, NGR 523470 435716)
Evaluation is proposed to determine the nature of geophysical anomalies lying within an area of high magnetic susceptibility, and so minimise the risk of encountering settlement remains during construction. The aims of the evaluation should be to gather sufficient information to establish the presence or absence, extent, condition, character, quality and date of any archaeological, ecofactual, environmental and organic remains.

FSU:020
(plot N21, NGR 525679 436861)
Evaluation is proposed to determine the nature of geophysical anomalies lying within an area of high magnetic susceptibility, and so minimise the risk of encountering settlement remains during construction. The aims of the evaluation should be to gather sufficient information to establish the presence or absence, extent, condition, character, quality and date of any archaeological, ecofactual, environmental and organic remains.

It is recommended that trench evaluation is also considered for the following sites:

- FSU:004, FSU:010, FSU:011 and FSU:012 in plot N4
- FSU:007 in plot N2
- FSU:013 in plot N5
- FSU:014 in plot N8/N9
- FSU:019 in plots N17/N18
- FSU:021 in plot 10
- FSU:022 in plot 14

5.5 Topographical survey

The only extant earthwork, worthy of recording, which is known to exist on the course of the pipeline is the mound in plot N10. If this is proved to be archaeological in origin, and it cannot be avoided, a full topographical survey of it should be made.

5.6 Watching brief

5.6.1 Known and unexpected archaeological sites

A permanent-presence watching brief should be maintained during all ground disturbing activities of the construction phase of the project, to record unexpected discoveries, and known sites which did not merit investigation in advance of construction. Those sites, described in sections 4.3.3 and 4.3.4, which have not been flagged up for evaluation, should be closely monitored and, if appropriate, recorded during the watching brief.

The main phases of monitoring for the pipeline should be topsoil stripping, trench excavation and the opportunistic observation of the pre-construction drainage. Monitoring should include all areas which are to be stripped of topsoil, including the working width of the proposed pipeline, site compounds and pipe storage areas.

Contingencies should allow for salvage excavation of significant, unexpected archaeological remains found during construction.

5.6.2 Historic boundaries

Existing field boundaries do not need to be assessed according to the five criteria for archaeological and historical importance (The Hedgerow Regulations, 1997 – see appendix A), as it has been determined that the proposed pipeline is exempt from the regulations (see 1.3).

The construction programme should aim to minimise the disturbance of existing historic boundaries. This might be achieved through minimisation of the working width - see 5.3). Cross sections of those existing boundaries which are unavoidable could be recorded during the course of a watching brief, as this might lead to an understanding of landuse, environment and construction methods. Archaeologically significant layers, such as old land surfaces, sealed beneath banks may require sampling. Particular attention should be paid to the parish boundaries, some of which may have Saxon or medieval origins.

Former field boundaries, identified as being potentially historic, should also be targeted for detailed recording during the course of a watching brief.

5.6.3 Geo-archaeological, palaeo-environmental and organic remains

Geo-archaeological and palaeo-environmental specialist advice should be sought in the formulation of a *Written Scheme of Investigation* for the watching brief. This should address the need for both pre-emptive, and reactive works. Adequate resources should be put in place for dealing with geo-archaeological archaeological, palaeo-environmental and organic remains found during construction.

5.6.4 Reinstatement

Where feasible, every effort should be made to reinstate landscape earthworks, such as field boundaries and ridge and furrow.

5.7 Written Schemes of Investigation

An archaeological *Written Scheme of Investigation* (WSI) should be produced for each stage of any future archaeological work (see 5.1) in consultation with *Humber Archaeology Partnership* (see 5.8).

5.8 Liaison with statutory consultees

Liaison should be maintained with *Humber Archaeology Partnership* in order to formulate future archaeological investigation, approve and monitor the implementation of any archaeological WSIs, review reports, monitor fieldwork in progress, and also to visit the construction site.

6 ACKNOWLEDGMENTS

Network Archaeology Ltd would like to thank the following for their contribution to the project:

Organisation	**Name**	**Position**
Bartlett Clarke Consultancy	Alister Bartlett	Geophysicist
Black & Veatch	James Twohig	Environmental Scientist
English Heritage	Ian Panter	Science Advisor
Humber Archaeology Partneship	David Evans	Partnership Manager,
Independent	Jane Cowgill	Finds specialist
Independent	Alan Vince	Finds specialist
Independent	Tania Wilson	Finds specialist
Murphy Pipelines Ltd	Maurice Corridan	Project Manager
Network Archaeology Ltd	David Bonner	Director
	Martin Lightfoot	Project Manager
	Mark Ward	Project Officer
	Dordon Shaw	Project Assistant
	Caroline Kemp	Project Assistant
	Adam Holman	IT/GIS Officer
	Wendy Booth	Finds Officer

7 BIBLIOGRAPHY

7.1 Primary sources

No primary sources were consulted.

7.2 Secondary Sources

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BG Storage	2001	*Planning Application for a Salt Cavity Gas Storage Facility and Associated Pipeline to the National Transmission System (NTS)*
Network Archaeology	2004	*Sproatley to Aldbrough Proposed Transco Pipeline; Written Scheme of Investigation for Archaeological Field Surveys*
Network Archaeology	2005	*Sproatley to Aldbrough Proposed Transco Pipeline; Written Scheme of Investigation for Geophysical Surveys*
Wardell Armstrong	2004	*NG Transco Sproatley to Aldbrough Pipeline: Environmental Statement*

8 STATEMENT OF INDEMNITY

Every effort has been taken in the preparation and submission of this report in order to provide as complete an assessment as possible within the terms of the brief, and all statements and opinions are offered in good faith. Network Archaeology Ltd cannot accept responsibility for errors of fact or opinion resulting from data supplied by any third party, or for any loss or other consequences arising from decisions or actions made upon the basis of facts or opinions expressed in this report and any supplementary papers, howsoever such facts and opinions may have been derived, or as a result of unknown and undiscovered sites of artefacts.

APPENDIX A

EXPLANATION OF PHASED APPROACH TO ARCHAEOLOGICAL INVESTIGATION AND MITIGATION

Stage 1: Feasibility Assessment

An appraisal of archaeological potential

Stage 2: Desk-based Assessment

A thorough desk based synthesis of available information

Aerial photographic study:
Identification and mapping of palaeochannels from aerial photographs should be undertaken as part of the desk-based assessment.

Stage 3: Field Surveys

Field reconnaissance survey

This is a visual inspection of the proposed pipeline route, in order to:

- locate and characterise archaeology represented by above ground remains (e.g. earthworks and structures); and
- record the nature and condition of existing field boundaries crossed by the route, to establish their potential antiquity.
- A walkover of the entire pipeline route should normally take place.

Fieldwalking survey

The distribution of finds found by fieldwalking can indicate areas of archaeological activity, which are not represented by above ground remains.

A programme of structured fieldwalking should normally take place across all available arable land to recover archaeological artefacts. A minimum of five transects at 10m separation based upon the centreline of the proposed pipeline should normally be walked.

Geophysical survey

Geophysical survey methods are non-intrusive and can detect and precisely locate buried archaeological features.

Magnetometry is the most cost-effective technique for large scale surveys. *Recorded* magnetometer survey, supplemented by background magnetic susceptibility survey is normally recommended. The surveys should sample the entire length and a proportion of the width of the working width of the proposed pipeline route, except in wetland areas, such as marshland, tidal areas and floodplains.

Only a *recorded* magnetometer survey can provide direct and objective evidence of the presence and character of individual archaeological features.

Unrecorded magnetometer scanning is <u>not</u> recommended because it requires spontaneous, subjective interpretation as the unrecorded scanning survey progresses. This method does not therefore provide a secure basis for eliminating areas that produce negative results from further consideration.

Electro-magnetic survey

This technique can produce a three-dimensional geomorphological sub-surface map of wetland areas. Survey should take place along a minimum of five transects, and measurements should be calibrated by absolute readings collected by borehole and/or hand auger survey.

Auger survey

Geotechnical borehole survey supplemented by hand auger survey could:

- generate stratigraphic profiles and establish the depth of alluvium;
- look for 'islands' of solid geology which are elevated in comparison with their contemporary landscape;
- look for former river channels;
- look for evidence of buried land surfaces;
- calibrate an EM survey; and
- assess the viability of using targeted magnetometer survey on the floodplain.

Ideally, an environmental archaeologist would consult with the geotechnical team in order to develop a strategy which would enable the opportunistic and immediate examination of the geotechnical team's soil cores, in conjunction with a *hand auger survey* tailored to meet archaeological objectives listed above. The location and frequency of the hand augers should be determined by the results of the EM survey, but generally should be taken at regular intervals, no greater than 50m separation, along the centreline of the proposed route.

Radiocarbon dating and palaeo-environmental assessment

Soil samples recovered may require radiocarbon dating and assessment of potential for preservation of palaeo-environmental important remains.

Stage 4: Evaluation

Field evaluation should normally take place at the sites of positive findings made during earlier stages of archaeological assessment and field survey, which it may not be possible or desirable to avoid. Evaluation might involve machine-excavated trenches, hand-dug test-pits and/or hand auguring. The objectives are to confirm the presence or absence of archaeological remains, to determine their character, extent, date and state of preservation, and to produce a report on the findings. The choice of technique(s) will depend upon site-specific factors.

Stage 5: Excavation

It may not be possible or desirable to avoid significant archaeological sites identified by previous survey work and/or evaluation. Ideally, *excavation* of such sites should take place in advance of construction. Excavation would involve machine-stripping of limited, open areas, followed by archaeological investigation. The objectives would be to obtain a full record of the archaeological remains prior to construction, and to produce a report on the findings.

Stage 6: Watching Brief

A permanent-presence watching brief will be required during all ground disturbing activities of the construction phase of the project, to record unexpected discoveries, and known sites which did not merit investigation in advance of construction. The main phases of monitoring for the pipeline will be topsoil stripping, trench excavation and the opportunistic observation of the pre-construction drainage. The objectives are to obtain a thorough record of any archaeological remains found during construction, and to produce a report on the findings. Contingencies should allow for salvage excavation of significant, unexpected archaeological sites found during construction.

Stage 7: Archive, Report and Publication

A post-excavation programme for dealing with all records of investigated archaeological remains and recovered artefacts usually follows each of the stages outlined above. This includes the collation and cataloguing of all site records, the processing, conservation and cataloguing of artefacts, the production of an archive report, and, where appropriate, the drafting of articles for publication.

APPENDIX B

SUMMARY TABLE OF PLOT DATA

Plot No	Landuse	Conditions	Visibility	Weather	H & S
N1	arable	shoots	good	full sun & sun/cloud	water, overhead lines, danger of tripping/falling
N2	arable	shoots	good	full sun & sun/cloud	water, danger of tripping/falling
N3	arable	shoots	moderate	sun/cloud	water, danger of tripping/falling
N4	arable	shoots	good	sun/cloud/rain	water, overhead lines
N5	arable	shoots	good	full sun	water, danger of tripping/falling
N6	arable	shoots	good	full sun	water, danger of tripping/falling
N7	arable	shoots	poor	full sun	water, danger of tripping/falling
N8	arable	shoots	poor	full sun	none
N9	arable	ploughed	poor	full sun	overhead lines
N10	arable	shoots	moderate	full sun	toxic substances
N11	arable	shoots	good	cloud	water, danger of tripping/falling
N12	arable	shoots	good	cloud	overhead lines
N13	arable	shoots	good	cloud/rain	none
N14	arable	shoots	good	cloud	none
N15	arable	shoots	good	cloud/rain	water, danger of tripping/falling
N16	arable	shoots	good	cloud/rain	none
N17	arable	shoots	good	cloud/rain	none
N18	pasture	short	good	cloud/rain	none
N19	pasture	short	poor	cloud/rain	none
N20	no data	no data	no data	no data	none
N21	no data	no data	no data	no data	none

APPENDIX C

SUMMARY TABLE OF FIELD SURVEY SITES

Appendix C

Reference	Plot	Source	Description	Period	Importance	Impact	Significance of impact	National grid reference
FSU:001	N1	FRS	Burnt stone scatter	Undetermined	D	-D maj	low	519839 432702
FSU:002	N10	FRS	Slight mound	Undetermined	D	-D sev	medium	522716 435492
FSU:003	N12	FRS	Field boundary	Undetermined	D	-D min	low	523760 435618
FSU:004	N4	FWS	Concentration of pottery and CBM	Prehistoric, Medieval, Roman	D	-D indet	low or medium	520801 433387
FSU:005	N1	GS	Possible field boundary	Undetermined	D	-D min	low	519841 432704
FSU:006	N1	GS	Possible pits	Undetermined	D	-D indet	low or medium	519884 432725
FSU:007	N2	GS	Possible pits	Undetermined	D	-D indet	low or medium	520169 432830
FSU:008	N3	GS	Possible pits	Undetermined	D	-D indet	low or medium	520431 432933
FSU:009	N3	GS	Possible pits	Undetermined	D	-D indet	low or medium	520615 433119
FSU:010	N4	GS	Possible pits	Undetermined	D	-D indet	low or medium	520677 433208
FSU:011	N4	GS	Possible ditch	Undetermined	D	-D indet	low or medium	520900 433531
FSU:012	N4	GS	Possible pits	Undetermined	D	-D indet	low or medium	521002 433679
FSU:013	N5	GS	Possible pits	Undetermined	D	-D indet	low or medium	521218 433990
FSU:014	N8, N9	GS	Possible ditches or boundaries and pits	Undetermined	D	-D indet	low or medium	522492 435410
FSU:015	N11	GS	Possible ditches and pits	Undetermined	D	-D indet	low or medium	523258 435635
FSU:016	N11, N12	GS	Settlement	Undetermined	C	-D indet	low or medium	523470 435716
FSU:017	N13	GS	Possible field boundary or track	Undetermined	D	-D min	low	524209 435922
FSU:018	N15	GS	Possible field boundary	Undetermined	D	-D min	low	524840 436176
FSU:019	N17, N18	GS	Possible pits, ditches and raised magnetic susceptibility	Undetermined	D	-D indet	low or medium	525359 436493
FSU:020	N21	GS	Settlement	Undetermined	C	-D indet	low or medium	525679 436861
FSU:021	N10	FWS	Pottery sherd	Iron Age	D	-D indet	low or medium	522858 435524
FSU:022	N14	FWS	Pottery sherd	Anglo-Saxon	D	-D indet	low or medium	524592 436045
SMR MHU18951	N8	FRS	Barrow	Undetermined	C	none	n/a	522060 434850

Site category definitions

Grade	Description	Examples
A	Legally protected site	Scheduled Ancient Monuments, Listed Buildings, Conservation Areas
B	Nationally significant site, currently not legally protected	Major settlements (e.g. villas, deserted medieval villages), burial grounds, standing historic buildings
C	Regionally significant site	Some settlements, finds scatters, Roman roads, sites of historic buildings, locally listed buildings
D	Locally significant site	Field systems, ridge and furrow, trackways, wells
U	ungraded	Non-archaeological site held by data source

APPENDIX D

SUMMARY FINDS QUANTIFICATION TABLE BY PLOT

Plot	Data	Prehistoric		Roman		Saxon	Medieval	Post-Medieval				Modern				Undetermined				
		Flint	Pottery	CBM	Pottery	Pottery	Pottery	Clay pipe	Glass	Pottery	Prod. waste	CBM	Metal	Pottery	Stone	Clay heated	Flint	Metal	Shell	Stone
N1	count	3					2	7	2	2		22		58					2	
	weight (g)	99					28	21	86	18		1264		371					60	
N2	count						2	3		3		1		8						
	weight (g)						16	8		153		54		15						
N3	count	1								1		3		9						
	weight (g)	5								5		129		65						
N4	count	3	2	1	1		20	12	27	18	5	56		240					8	
	weight (g)	33	14	83	2		190	31	605	137	33	973		1807					49	
N5	count							5	4	4	1	19		56						
	weight (g)							13	85	7	95	514		344						
N6	count			1			2	2	4	4	2	21		30		1			1	
	weight (g)			13			52	6	84	65	40	525		149		14			5	
N9	count	1					1	3	3	5		6		22						
	weight (g)	8					3	6	75	145		1054		111						
N10	count		1				3	1	4	10	4	14	1	47			1	1	1	
	weight (g)		32				69	2	101	191	46	627	6	469			16	37	15	
N11	count	1					1		1	1		6		6						
	weight (g)	4					56		4	4		264		85						
N12	count	3					1		1			2		6						
	weight (g)	19					2		9			41		55						
N13	count	3					1		2	5	4	13		5				2		1
	weight (g)	28					3		29	24	32	1105		26				39		406
N14	count				1	1				1	2	9		4			1			
	weight (g)				3	15				6	39	425		9			17			
N15	count										4	10	1	2	1					
	weight (g)										62	269	3	17	43					
N16	count	1							1		2	12		4						
	weight (g)	3							57		91	524		38						
N17	count						1			1		3		3						
	weight (g)						13			4		122		17						
Totals		**215**	**49**	**98**	**7**	**16**	**466**	**120**	**1184**	**814**	**462**	**8087**	**11**	**4078**	**44**	**15**	**35**	**79**	**141**	**407**

D

APPENDIX E

SUMMARY TABLE OF ARTEFACTS

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
1002	N1	CBM	Modern	1	31	520137 432834
1003	N1	CBM	Modern	2	11	520124 432829
1003	N1	Pottery	Modern	1	2	520124 432829
1004	N1	Pottery	Modern	1	3	520106 432826
1006	N1	CBM	Modern	1	1	520074 432814
1007	N1	Clay pipe	Post-Medieval	1	3	520066 432810
1008	N1	Pottery	Modern	1	1	520061 432805
1009	N1	Pottery	Modern	1	3	519989 432773
1009	N1	Pottery	Modern	1	3	519989 432773
1010	N1	CBM	Modern	1	34	520026 432799
1010	N1	Pottery	Modern	1	6	520026 432799
1011	N1	Pottery	Modern	1	1	520000 432747
1011	N1	Shell	Undetermined	1	6	520000 432747
1012	N1	CBM	Modern	1	113	519998 432746
1013	N1	Glass	Post-Medieval	1	35	519940 432758
1013	N1	Pottery	Modern	1	4	519940 432758
1014	N1	Pottery	Modern	1	13	519932 432751
1015	N1	Pottery	Modern	1	2	519920 432749
1015	N1	Pottery	Modern	1	8	519920 432749
1016	N1	CBM	Modern	1	2	519906 432742
1016	N1	Pottery	Modern	1	2	519906 432742
1016	N1	Pottery	Post-Medieval	1	11	519906 432742
1017	N1	Clay pipe	Post-Medieval	1	3	519887 432734
1017	N1	Pottery	Modern	1	1	519887 432734
1018	N1	CBM	Modern	1	313	519854 432722
1018	N1	Pottery	Modern	1	9	519854 432722
1019	N1	CBM	Modern	1	23	519849 432715
1019	N1	CBM	Modern	1	56	519849 432715
1020	N1	CBM	Modern	1	62	519845 432712
1021	N1	Pottery	Modern	1	4	519816 432707
1022	N2	Clay pipe	Post-Medieval	1	3	520233 432869
1024	N2	Pottery	Medieval	1	3	520187 432852
1024	N2	Pottery	Modern	1	4	520187 432852
1025	N2	Pottery	Modern	1	4	520243 432836
1026	N3	CBM	Modern	1	5	520314 432894
1027	N3	Pottery	Modern	1	2	520354 432908
1029	N3	Pottery	Modern	1	24	520562 433065
1030	N4	Pottery	Post-Medieval	1	2	520755 433316
1031	N4	CBM	Modern	1	13	520743 433304
1032	N4	Pottery	Modern	1	7	520742 433302
1033	N4	Pottery	Modern	1	9	520712 433254
1034	N4	Pottery	Modern	1	10	520699 433238
1035	N4	Pottery	Modern	1	12	520697 433235
1035	N4	Pottery	Modern	2	3	520697 433235
1036	N4	CBM	Modern	1	17	520693 433230
1036	N4	Pottery	Modern	1	2	520693 433230
1037	N4	Pottery	Modern	1	2	520689 433223
1038	N4	Glass	Post-Medieval	1	45	520684 433212
1038	N4	Pottery	Modern	1	2	520684 433212
1039	N4	Pottery	Modern	1	17	520683 433213
1040	N4	Pottery	Modern	2	25	520667 433205
1041	N4	Shell	Undetermined	1	3	520657 433186
1042	N4	Pottery	Modern	1	5	520675 433208
1043	N4	CBM	Modern	1	12	520763 433332
1043	N4	Pottery	Modern	1	1	520763 433332
1044	N4	Glass	Post-Medieval	1	11	520770 433337
1044	N4	Pottery	Modern	1	1	520770 433337
1045	N4	Pottery	Modern	1	5	520770 433338
1046	N4	Clay pipe	Post-Medieval	1	2	520772 433345

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
1046	N4	Pottery	Modern	1	1	520772 433345
1047	N4	Pottery	Modern	1	7	520773 433347
1048	N4	Pottery	Modern	1	1	520775 433348
1048	N4	Pottery	Modern	1	1	520775 433348
1048	N4	Pottery	Modern	1	2	520775 433348
1049	N4	Pottery	Medieval	1	3	520780 433352
1049	N4	Pottery	Modern	1	4	520780 433352
1050	N4	Shell	Undetermined	1	20	520782 433354
1051	N4	CBM	Modern	1	6	520789 433366
1051	N4	Pottery	Modern	1	2	520789 433366
1051	N4	Pottery	Modern	1	10	520789 433366
1052	N4	Pottery	Modern	1	3	520796 433377
1053	N4	Pottery	Modern	1	2	520802 433383
1054	N4	CBM	Modern	1	3	520804 433388
1054	N4	Glass	Post-Medieval	1	14	520804 433388
1054	N4	Pottery	Medieval	1	2	520804 433388
1054	N4	Pottery	Modern	1	3	520804 433388
1054	N4	Pottery	Modern	1	16	520804 433388
1054	N4	Pottery	Modern	1	2	520804 433388
1054	N4	Pottery	Modern	1	9	520804 433388
1054	N4	Pottery	Modern	1	1	520804 433388
1054	N4	Pottery	Post-Medieval	1	13	520804 433388
1056	N4	Pottery	Modern	1	1	520806 433396
1056	N4	Pottery	Modern	1	4	520806 433396
1057	N4	Pottery	Post-Medieval	1	4	520810 433403
1058	N4	Clay pipe	Post-Medieval	1	4	520812 433411
1058	N4	Pottery	Modern	1	1	520812 433411
1058	N4	Pottery	Modern	1	1	520812 433411
1058	N4	Pottery	Modern	1	7	520812 433411
1058	N4	Pottery	Modern	1	3	520812 433411
1059	N4	Pottery	Modern	1	1	520819 433419
1059	N4	Pottery	Modern	2	5	520819 433419
1060	N4	Clay pipe	Post-Medieval	1	3	520822 433419
1060	N4	Pottery	Modern	1	1	520822 433419
1060	N4	Production waste	Post-medieval	1	5	520822 433419
1061	N4	CBM	Modern	1	2	520827 433424
1061	N4	Pottery	Modern	1	6	520827 433424
1061	N4	Shell	Undetermined	1	8	520827 433424
1062	N4	CBM	Modern	1	15	520845 433448
1063	N4	Pottery	Modern	1	1	520891 433498
1064	N4	Pottery	Modern	1	3	520891 433510
1065	N4	Pottery	Modern	1	3	520907 433533
1066	N4	Pottery	Modern	1	7	520900 433541
1067	N4	Pottery	Modern	1	21	520899 433538
1067	N4	Pottery	Modern	1	5	520899 433538
1068	N4	CBM	Modern	1	7	520895 433529
1068	N4	Glass	Post-Medieval	1	2	520895 433529
1068	N4	Pottery	Modern	1	1	520895 433529
1068	N4	Pottery	Modern	1	5	520895 433529
1069	N4	Pottery	Medieval	1	1	520894 433527
1070	N4	Pottery	Modern	2	7	520877 433499
1071	N4	CBM	Modern	1	51	520856 433476
1072	N4	Pottery	Medieval	1	45	520850 433468
1073	N4	Pottery	Medieval	1	6	520838 433459
1074	N4	CBM	Modern	1	6	520835 433457
1074	N4	Glass	Post-Medieval	1	65	520835 433457
1075	N4	CBM	Modern	1	16	520829 433456
1075	N4	Pottery	Medieval	1	9	520829 433456
1076	N4	CBM	Modern	1	6	520826 433447
1076	N4	Pottery	Modern	1	3	520826 433447
1076	N4	Pottery	Modern	1	3	520826 433447

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
1077	N4	Glass	Post-Medieval	1	6	520821 433436
1077	N4	Pottery	Modern	1	5	520821 433436
1077	N4	Pottery	Modern	1	2	520821 433436
1077	N4	Pottery	Modern	1	3	520821 433436
1077	N4	Pottery	Modern	1	2	520821 433436
1078	N4	Pottery	Medieval	1	6	520817 433440
1078	N4	Pottery	Modern	2	26	520817 433440
1078	N4	Pottery	Modern	1	6	520817 433440
1078	N4	Pottery	Modern	1	9	520817 433440
1078	N4	Production waste	Post-medieval	1	11	520817 433440
1078	N4	Shell	Undetermined	1	3	520817 433440
1079	N4	Pottery	Modern	1	15	520800 433429
1079	N4	Pottery	Post-Medieval	1	5	520800 433429
1079	N4	Shell	Undetermined	3	6	520800 433429
1080	N4	Pottery	Medieval	1	35	520795 433423
1080	N4	Pottery	Modern	1	16	520795 433423
1081	N4	Pottery	Modern	1	19	520791 433406
1081	N4	Pottery	Modern	1	3	520791 433406
1082	N4	CBM	Modern	1	6	520790 433387
1082	N4	Pottery	Modern	1	20	520790 433387
1083	N4	Glass	Post-Medieval	1	24	520785 433384
1083	N4	Pottery	Modern	1	1	520785 433384
1083	N4	Pottery	Modern	1	30	520785 433384
1083	N4	Shell	Undetermined	1	9	520785 433384
1084	N4	CBM	Modern	1	9	520783 433382
1084	N4	Pottery	Modern	1	11	520783 433382
1085	N4	Pottery	Medieval	1	8	520777 433365
1085	N4	Pottery	Modern	1	2	520777 433365
1086	N4	Clay pipe	Post-Medieval	1	2	520772 433359
1087	N4	Pottery	Medieval	1	6	520976 433632
1088	N4	CBM	Modern	1	8	520976 433629
1088	N4	CBM	Modern	1	8	520976 433629
1089	N4	Pottery	Medieval	1	4	520951 433589
1090	N4	CBM	Modern	1	8	520939 433576
1090	N4	Pottery	Modern	1	3	520939 433576
1091	N4	CBM	Modern	1	1	520922 433548
1091	N4	Pottery	Medieval	1	11	520922 433548
1092	N4	CBM	Modern	1	1	521010 433671
1092	N4	CBM	Modern	1	2	521010 433671
1092	N4	CBM	Modern	1	19	521010 433671
1092	N4	Glass	Post-Medieval	1	45	521010 433671
1093	N4	Flint knapped	Prehistoric	1	4	521017 433680
1093	N4	Pottery	Modern	1	4	521017 433680
1093	N4	Pottery	Modern	1	12	521017 433680
1094	N4	CBM	Modern	1	6	521031 433718
1094	N4	CBM	Modern	1	16	521031 433718
1094	N4	Clay pipe	Post-Medieval	1	2	521031 433718
1094	N4	Glass	Post-Medieval	1	5	521031 433718
1094	N4	Pottery	Post-Medieval	1	9	521031 433718
1095	N4	CBM	Modern	1	3	521037 433720
1095	N4	Pottery	Medieval	1	2	521037 433720
1096	N4	CBM	Modern	1	4	521053 433743
1097	N4	CBM	Modern	1	4	521062 433753
1097	N4	CBM	Modern	1	3	521062 433753
1098	N4	CBM	Modern	1	8	521069 433765
1098	N4	Pottery	Medieval	1	25	521069 433765
1099	N4	CBM	Modern	2	14	521072 433770
1100	N4	CBM	Modern	1	5	521085 433787
1100	N4	CBM	Modern	1	8	521085 433787
1101	N4	CBM	Modern	1	28	521026 433657
1101	N4	CBM	Modern	1	7	521026 433657

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
1101	N4	Pottery	Modern	2	2	521026 433657
1102	N4	Pottery	Modern	1	7	521099 433784
1102	N4	Pottery	Modern	1	23	521099 433784
1102	N4	Pottery	Modern	1	10	521099 433784
1104	N4	Glass	Post-Medieval	1	6	521123 433824
1104	N4	Pottery	Medieval	1	4	521123 433824
1106	N4	Pottery	Medieval	1	1	521136 433875
1106	N4	Pottery	Modern	1	7	521136 433875
1107	N4	Pottery	Modern	1	10	521113 433839
1107	N4	Pottery	Modern	1	12	521113 433839
1108	N4	Glass	Post-Medieval	1	66	521107 433830
1109	N4	Glass	Post-Medieval	1	3	521100 433821
1109	N4	Pottery	Modern	1	119	521100 433821
1109	N4	Pottery	Modern	1	8	521100 433821
1110	N4	Pottery	Modern	1	1	521092 433824
1110	N4	Pottery	Post-Medieval	1	6	521092 433824
1111	N5	Pottery	Post-Medieval	1	2	521178 433939
1112	N5	Glass	Post-Medieval	1	5	521242 434027
1112	N5	Pottery	Modern	1	4	521242 434027
1112	N5	Pottery	Modern	1	2	521242 434027
1113	N5	Pottery	Modern	1	3	521262 434055
1114	N5	CBM	Modern	1	5	521275 434075
1116	N5	CBM	Modern	2	7	521325 434144
1116	N5	Pottery	Modern	1	31	521325 434144
1117	N5	CBM	Modern	1	5	521328 434152
1117	N5	Pottery	Modern	1	21	521328 434152
1117	N5	Pottery	Modern	1	1	521328 434152
1118	N5	Pottery	Modern	1	1	521358 434195
1118	N5	Pottery	Modern	1	1	521358 434195
1119	N5	CBM	Modern	1	52	521361 434202
1119	N5	CBM	Modern	1	26	521361 434202
1119	N5	Pottery	Post-Medieval	1	2	521361 434202
1120	N5	CBM	Modern	1	9	521381 434229
1120	N5	CBM	Modern	1	85	521381 434229
1120	N5	Pottery	Modern	1	7	521381 434229
1121	N5	CBM	Modern	1	19	521403 434263
1121	N5	CBM	Modern	1	2	521403 434263
1121	N5	Pottery	Modern	1	4	521403 434263
1121	N5	Pottery	Modern	1	2	521403 434263
1122	N5	CBM	Modern	1	17	521299 434136
1123	N6	Pottery	Modern	1	1	521404 434300
1123	N6	Pottery	Modern	1	1	521404 434300
1123	N6	Pottery	Modern	1	1	521404 434300
1125	N6	CBM	Modern	1	34	521447 434355
1126	N6	CBM	Modern	1	20	521448 434356
1126	N6	CBM	Modern	1	22	521448 434356
1127	N6	Pottery	Modern	1	30	521463 434387
1128	N6	Pottery	Medieval	1	39	521489 434425
1129	N6	CBM	Modern	1	73	521514 434460
1129	N6	Pottery	Modern	1	6	521514 434460
1130	N6	Pottery	Modern	1	1	521508 434446
1130	N6	Pottery	Post-Medieval	1	30	521508 434446
1130	N6	Pottery	Post-Medieval	1	8	521508 434446
1131	N6	Pottery	Modern	2	12	521494 434422
1132	N6	CBM	Modern	1	4	521486 434414
1132	N6	Glass	Post-Medieval	1	6	521486 434414
1132	N6	Pottery	Modern	1	6	521486 434414
1133	N6	CBM	Modern	1	2	521456 434366
1135	N6	CBM	Modern	1	23	521509 434374
1136	N6	CBM	Modern	1	8	521544 434441
1137	N6	Pottery	Modern	2	15	521648 434651

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
1138	N6	CBM	Modern	1	19	521625 434628
1139	N6	CBM	Modern	1	20	521564 434526
1140	N6	CBM	Modern	1	22	521561 434518
1142	N6	CBM	Modern	1	45	521570 434502
1143	N6	CBM	Modern	1	22	521622 434591
1144	N6	CBM	Modern	1	3	521655 434647
1144	N6	CBM	Roman	1	13	521655 434647
1144	N6	Clay heat affected	Undetermined	1	14	521655 434647
1146	N9	CBM	Modern	1	20	522460 435415
1146	N9	Clay pipe	Post-Medieval	1	2	522460 435415
1146	N9	Pottery	Modern	1	3	522460 435415
1147	N9	CBM	Modern	1	291	522462 435417
1147	N9	Pottery	Modern	1	3	522462 435417
1147	N9	Pottery	Modern	1	2	522462 435417
1148	N9	Pottery	Medieval	1	3	522469 435422
1148	N9	Pottery	Modern	1	2	522469 435422
1149	N9	Pottery	Post-Medieval	1	37	522488 435429
1150	N9	Pottery	Post-Medieval	1	4	522530 435452
1151	N10	Pottery	Modern	1	2	522710 435514
1152	N10	CBM	Modern	1	6	522676 435505
1153	N10	Pottery	Modern	1	3	522610 435485
1154	N10	CBM	Modern	1	27	522600 435482
1155	N10	Pottery	Modern	1	2	522612 435483
1156	N10	Pottery	Modern	1	41	522631 435491
1156	N10	Pottery	Modern	1	1	522631 435491
1157	N10	CBM	Modern	1	2	522813 435549
1158	N10	Pottery	Post-Medieval	1	19	522830 435551
1159	N10	Pottery	Modern	1	45	522838 435553
1160	N10	CBM	Modern	1	1	523174 435600
1161	N10	Pottery	Medieval	1	16	523159 435599
1163	N10	Pottery	Post-Medieval	1	2	523108 435585
1164	N10	CBM	Modern	1	36	523010 435558
1164	N10	Pottery	Modern	1	1	523010 435558
1165	N10	Pottery	Modern	1	3	522954 435550
1166	N10	Glass	Post-Medieval	1	7	522926 435549
1166	N10	Pottery	Modern	1	2	522926 435549
1167	N10	Pottery	Modern	1	6	522906 435545
1168	N10	Pottery	Modern	1	3	522883 435543
1168	N10	Pottery	Modern	1	112	522883 435543
1169	N11	CBM	Modern	1	1	523312 435627
1170	N11	Pottery	Post-Medieval	1	4	523369 435640
1171	N11	Pottery	Modern	1	74	523392 435670
1173	N11	CBM	Modern	1	35	523479 435708
1173	N11	Pottery	Modern	1	2	523479 435708
1174	N12	Pottery	Modern	1	14	523610 435743
1175	N12	Pottery	Modern	1	1	523649 435756
1176	N12	CBM	Modern	1	30	523760 435786
1178	N13	Pottery	Post-Medieval	2	6	523973 435845
1179	N13	CBM	Modern	1	1	524056 435875
1180	N13	CBM	Modern	1	18	524070 435881
1181	N13	CBM	Modern	1	78	524111 435896
1182	N13	CBM	Modern	1	9	524120 435898
1183	N13	Metal	Undetermined	1	32	524162 435913
1184	N13	Pottery	Medieval	1	3	524327 435961
1185	N13	Pottery	Modern	1	2	524422 435993
1186	N14	Pottery	Modern	1	2	524553 436039
1187	N14	CBM	Modern	1	14	524568 436040
1187	N14	Pottery	Roman	1	3	524568 436040
1188	N14	Production waste	Post-medieval	1	20	524704 436102
1189	N15	CBM	Modern	1	2	524919 436227

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
1189	N15	Pottery	Modern	1	14	524919 436227
1190	N15	CBM	Modern	1	22	524882 436204
1192	N15	CBM	Modern	1	25	524784 436130
1193	N15	Metal	Modern	1	3	524894 436184
1194	N16	CBM	Modern	1	2	525027 436318
1194	N16	CBM	Modern	1	34	525027 436318
1195	N16	CBM	Modern	1	18	525011 436306
1196	N16	Production waste	Post-medieval	1	4	524987 436289
1197	N16	Pottery	Modern	1	21	524960 436275
1198	N17	Pottery	Modern	1	6	525233 436435
1199	N17	CBM	Modern	1	1	525199 436414
1200	N17	CBM	Modern	1	40	525157 436391
5001	N1	Pottery	Modern	1	2	520123 432816
5003	N1	CBM	Modern	1	37	520121 432814
5004	N1	Clay pipe	Post-Medieval	1	3	520114 432811
5005	N1	CBM	Modern	1	10	520108 432807
5006	N1	Pottery	Modern	1	10	520086 432795
5007	N1	Pottery	Modern	1	3	520070 432801
5007	N1	Pottery	Modern	1	1	520070 432801
5008	N1	CBM	Modern	1	129	520064 432797
5009	N1	Pottery	Modern	1	27	520084 432786
5010	N1	Pottery	Modern	1	39	520084 432785
5011	N1	Glass	Post-Medieval	1	51	520089 432780
5012	N1	CBM	Modern	1	39	519964 432754
5013	N1	CBM	Modern	2	47	520027 432778
5014	N1	Flint knapped	Neolithic	1	13	520049 432785
5015	N1	Pottery	Modern	1	5	520062 432792
5016	N1	Clay pipe	Post-Medieval	1	4	520066 432792
5017	N1	Pottery	Modern	1	18	519777 432689
5017	N1	Shell	Undetermined	1	54	519777 432689
5018	N1	CBM	Modern	1	35	519807 432702
5018	N1	CBM	Modern	1	18	519807 432702
5019	N1	Clay pipe	Post-Medieval	2	4	519827 432712
5020	N1	CBM	Modern	1	33	519916 432750
5020	N1	Pottery	Modern	1	10	519916 432750
5021	N1	Flint knapped	Neolithic	2	86	519948 432760
5022	N1	Pottery	Modern	1	43	519791 432664
5023	N2	Pottery	Modern	1	1	520282 432871
5024	N2	Clay pipe	Post-Medieval	1	2	520280 432870
5025	N2	Pottery	Modern	1	1	520270 432878
5026	N2	Clay pipe	Post-Medieval	1	3	520243 432865
5027	N2	Pottery	Modern	1	1	520220 432855
5028	N2	Pottery	Post-Medieval	1	94	520189 432844
5029	N3	Pottery	Modern	1	5	520299 432900
5030	N3	CBM	Modern	1	84	520392 432943
5031	N3	CBM	Modern	1	40	520489 432947
5032	N3	Flint knapped	Prehistoric	1	5	520448 432931
5035	N3	Pottery	Modern	1	2	520603 433141
5036	N3	Pottery	Post-Medieval	1	5	520599 433135
5037	N3	Pottery	Modern	1	1	520527 433038
5037	N3	Pottery	Modern	1	4	520527 433038
5038	N4	Clay pipe	Post-Medieval	1	3	520723 433314
5039	N4	Pottery	Modern	1	1	520723 433309
5040	N4	Pottery	Modern	1	1	520707 433286
5040	N4	Pottery	Modern	1	1	520707 433286
5041	N4	Pottery	Modern	1	14	520702 433278
5041	N4	Pottery	Modern	1	1	520702 433278
5042	N4	Pottery	Modern	1	18	520693 433255
5043	N4	Pottery	Modern	1	32	520692 433254
5044	N4	Pottery	Modern	1	5	520683 433245
5045	N4	Pottery	Modern	1	11	520672 433236

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
5046	N4	Glass	Post-Medieval	1	50	520670 433231
5047	N4	CBM	Modern	1	9	520634 433180
5049	N4	Glass	Post-Medieval	1	2	520676 433199
5050	N4	CBM	Modern	1	32	520678 433203
5050	N4	Pottery	Modern	1	12	520678 433203
5051	N4	Pottery	Modern	1	14	520727 433275
5052	N4	Pottery	Modern	1	12	520760 433309
5053	N4	Pottery	Roman	1	2	520762 433312
5054	N4	Glass	Post-Medieval	1	3	520777 433336
5054	N4	Pottery	Modern	1	1	520777 433336
5054	N4	Pottery	Modern	1	1	520777 433336
5056	N4	Pottery	Modern	1	16	520778 433337
5057	N4	Pottery	Modern	1	2	520777 433337
5058	N4	Glass	Post-Medieval	1	21	520778 433337
5059	N4	Pottery	Post-Medieval	1	1	520780 433341
5060	N4	Pottery	Modern	1	12	520781 433341
5062	N4	Pottery	Modern	1	15	520790 433357
5063	N4	Pottery	Modern	1	3	520790 433357
5064	N4	Pottery	Modern	1	1	520793 433362
5065	N4	Pottery	Modern	1	7	520795 433365
5065	N4	Pottery	Modern	1	12	520795 433365
5066	N4	Pottery	Modern	1	1	520799 433370
5068	N4	Pottery	Modern	1	6	520816 433389
5070	N4	Pottery	Post-Medieval	1	20	520821 433395
5071	N4	Pottery	Modern	4	10	520831 433410
5073	N4	Pottery	Modern	1	2	520834 433412
5073	N4	Pottery	Modern	1	6	520834 433412
5075	N4	Pottery	Modern	1	7	520915 433521
5076	N4	Pottery	Modern	1	5	521001 433625
5078	N4	Pottery	Modern	1	1	520940 433544
5079	N4	CBM	Modern	1	17	520908 433567
5080	N4	Pottery	Modern	1	12	520913 433574
5081	N4	Glass	Post-Medieval	1	4	520921 433586
5081	N4	Pottery	Modern	1	4	520921 433586
5082	N4	CBM	Modern	2	26	520946 433620
5082	N4	Pottery	Post-Medieval	1	3	520946 433620
5083	N4	Glass	Post-Medieval	1	5	520952 433629
5084	N4	CBM	Modern	1	35	520966 433648
5085	N4	CBM	Modern	1	46	520982 433668
5086	N4	CBM	Modern	1	5	520988 433675
5086	N4	CBM	Modern	1	39	520988 433675
5086	N4	Glass	Post-Medieval	1	15	520988 433675
5086	N4	Pottery	Modern	1	5	520988 433675
5086	N4	Pottery	Modern	1	3	520988 433675
5088	N4	Pottery	Modern	1	3	520995 433691
5088	N4	Pottery	Post-Medieval	1	18	520995 433691
5089	N4	CBM	Modern	1	6	520996 433692
5089	N4	CBM	Modern	1	10	520996 433692
5089	N4	CBM	Modern	2	45	520996 433692
5090	N4	Glass	Post-Medieval	1	66	521046 433777
5091	N4	CBM	Modern	1	4	521048 433779
5092	N4	Pottery	Modern	1	3	521057 433787
5093	N4	Pottery	Modern	1	44	521091 433842
5094	N4	CBM	Modern	1	1	521106 433867
5094	N4	CBM	Modern	1	4	521106 433867
5095	N4	Pottery	Modern	1	6	521118 433882
5096	N5	Clay pipe	Post-Medieval	1	3	521171 433900
5097	N5	CBM	Modern	1	6	521206 433942
5097	N5	Pottery	Modern	1	2	521206 433942
5098	N5	CBM	Modern	1	20	521215 433952
5098	N5	CBM	Modern	1	105	521215 433952

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
5099	N5	Pottery	Post-Medieval	1	2	521272 434040
5100	N5	Glass	Post-Medieval	1	16	521277 434046
5101	N5	CBM	Modern	1	55	521209 434032
5102	N5	Pottery	Modern	1	3	521164 433940
5103	N5	CBM	Modern	1	15	521238 434039
5104	N5	CBM	Modern	1	14	521283 434070
5105	N5	Glass	Post-Medieval	1	29	521316 434112
5105	N5	Pottery	Modern	1	1	521316 434112
5106	N5	Pottery	Modern	1	9	521335 434135
5107	N5	Pottery	Modern	1	18	521352 434165
5108	N5	Pottery	Modern	2	14	521357 434170
5109	N5	Pottery	Modern	1	6	521369 434188
5110	N5	Clay pipe	Post-Medieval	1	2	521377 434200
5110	N5	Pottery	Modern	1	4	521377 434200
5111	N5	Pottery	Modern	1	9	521390 434220
5111	N5	Pottery	Modern	1	2	521390 434220
5112	N5	Pottery	Modern	1	3	521403 434239
5112	N5	Pottery	Modern	1	17	521403 434239
5113	N5	Pottery	Modern	1	8	521411 434256
5114	N6	Pottery	Modern	1	19	521417 434293
5115	N6	Pottery	Modern	1	1	521425 434304
5116	N6	CBM	Modern	1	14	521441 434327
5116	N6	CBM	Modern	1	4	521441 434327
5117	N6	Pottery	Modern	1	1	521461 434349
5117	N6	Pottery	Modern	1	3	521461 434349
5118	N6	Pottery	Modern	1	3	521464 434354
5119	N6	Pottery	Modern	1	1	521482 434375
5119	N6	Pottery	Modern	1	10	521482 434375
5120	N6	Clay pipe	Post-Medieval	2	6	521507 434410
5120	N6	Pottery	Modern	1	4	521507 434410
5121	N6	Pottery	Modern	1	2	521545 434473
5122	N6	CBM	Modern	1	25	521521 434404
5123	N6	Pottery	Modern	1	1	521502 434378
5124	N6	Pottery	Modern	1	3	521560 434491
5125	N6	Pottery	Post-Medieval	1	8	521568 434504
5126	N6	Production waste	Post-medieval	1	18	521593 434538
5127	N6	CBM	Modern	1	46	521602 434556
5128	N6	Pottery	Modern	1	2	521632 434597
5129	N6	Pottery	Modern	1	5	521654 434629
5130	N6	Pottery	Modern	1	5	521668 434649
5130	N6	Pottery	Modern	1	1	521668 434649
5130	N6	Pottery	Modern	1	1	521668 434649
5130	N6	Shell	Undetermined	1	5	521668 434649
5131	N6	Pottery	Post-Medieval	1	19	521673 434656
5132	N6	Glass	Post-Medieval	1	8	521581 434495
5132	N6	Pottery	Modern	1	3	521581 434495
5133	N6	Glass	Post-Medieval	1	30	521587 434503
5134	N6	CBM	Modern	1	16	521593 434511
5134	N6	Pottery	Medieval	1	13	521593 434511
5135	N6	Production waste	Post-medieval	1	22	521636 434581
5136	N6	Pottery	Modern	1	3	521659 434612
5137	N6	CBM	Modern	1	36	521666 434624
5138	N6	CBM	Modern	1	67	521682 434654
5138	N6	Glass	Post-Medieval	1	40	521682 434654
5139	N6	Pottery	Modern	1	8	521704 434691
5140	N9	CBM	Modern	1	366	522453 435383
5141	N9	CBM	Modern	1	29	522463 435393
5141	N9	Glass	Post-Medieval	1	57	522463 435393
5142	N9	Clay pipe	Post-Medieval	1	2	522464 435397
5143	N9	Pottery	Modern	1	1	522471 435399
5143	N9	Pottery	Post-Medieval	1	29	522471 435399

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
5144	N9	CBM	Modern	1	107	522482 435405
5145	N9	Pottery	Modern	1	4	522530 435429
5146	N9	Pottery	Modern	1	4	522567 435454
5147	N9	Pottery	Post-Medieval	1	73	522498 435393
5148	N9	Pottery	Modern	1	4	522556 435428
5149	N10	Pottery	Modern	1	2	522838 435531
5150	N10	CBM	Modern	1	86	522821 435528
5150	N10	Metal	Modern	1	6	522821 435528
5151	N10	Pottery	Modern	1	32	522821 435529
5152	N10	Pottery	Modern	1	1	522796 435521
5153	N10	Pottery	Post-Medieval	1	12	522749 435508
5154	N10	Pottery	Modern	1	12	522705 435495
5155	N10	CBM	Modern	1	16	522655 435483
5156	N10	Pottery	Modern	1	6	522608 435447
5157	N10	Production waste	Post-medieval	1	19	522635 435455
5158	N10	Pottery	Post-Medieval	1	5	522649 435464
5158	N10	Pottery	Post-Medieval	1	47	522649 435464
5159	N10	CBM	Modern	1	14	522675 435466
5159	N10	Glass	Post-Medieval	1	63	522675 435466
5160	N10	Pottery	Modern	1	8	522686 435467
5161	N10	CBM	Modern	1	76	522717 435470
5162	N10	Pottery	Post-Medieval	1	1	522724 435468
5163	N10	Pottery	Modern	1	7	522828 435491
5164	N10	Pottery	Modern	1	3	522856 435513
5165	N10	Pottery	Modern	1	2	522860 435516
5166	N10	Pottery	Modern	1	4	522898 435524
5167	N10	Pottery	Modern	1	1	522965 435537
5168	N10	Pottery	Modern	1	1	523052 435554
5169	N10	CBM	Modern	1	1	523079 435625
5170	N10	Pottery	Modern	1	29	522926 435599
5171	N10	Pottery	Post-Medieval	1	51	522906 435594
5172	N10	Pottery	Post-Medieval	1	49	522844 435560
5174	N11	CBM	Modern	1	9	523317 435676
5175	N11	CBM	Modern	1	80	523242 435655
5176	N11	CBM	Modern	1	3	523470 435678
5177	N11	Glass	Post-Medieval	1	4	523463 435676
5178	N11	Pottery	Modern	1	4	523493 435726
5179	N11	Pottery	Medieval	1	56	523494 435727
5180	N12	Pottery	Modern	1	13	523589 435710
5181	N12	CBM	Modern	1	11	523542 435739
5181	N12	Pottery	Modern	1	14	523542 435739
5182	N12	Pottery	Modern	1	11	523602 435758
5183	N12	Glass	Post-Medieval	1	9	523659 435775
5184	N13	Pottery	Post-Medieval	1	5	524421 435986
5186	N13	Pottery	Modern	1	10	524277 435934
5186	N13	Pottery	Modern	1	6	524277 435934
5187	N13	Pottery	Modern	1	3	524270 435937
5188	N13	Stone worked	Undetermined	1	406	524207 435911
5190	N14	Pottery	Post-Medieval	1	6	524626 436045
5191	N15	CBM	Modern	1	52	524860 436211
5192	N15	CBM	Modern	1	19	524885 436226
5193	N16	CBM	Modern	1	287	524959 436263
5194	N16	Pottery	Modern	1	12	525213 436380
6001	N1	Pottery	Medieval	1	8	520124 432839
6002	N1	CBM	Modern	1	27	520116 432835
6003	N1	Pottery	Modern	1	3	520090 432825
6004	N1	Pottery	Modern	1	34	520080 432820
6004	N1	Pottery	Modern	1	1	520080 432820
6005	N1	Pottery	Modern	1	1	520124 432815
6006	N1	Pottery	Modern	1	4	520074 432784
6006	N1	Pottery	Modern	1	5	520074 432784

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
6007	N1	Pottery	Medieval	1	20	519978 432780
6008	N1	Pottery	Modern	1	4	520029 432802
6008	N1	Pottery	Modern	1	1	520029 432802
6009	N1	Pottery	Modern	1	1	520062 432811
6010	N1	Pottery	Modern	1	2	520051 432780
6010	N1	Pottery	Modern	1	1	520051 432780
6011	N1	Clay pipe	Post-Medieval	1	4	520036 432773
6011	N1	Pottery	Modern	1	2	520036 432773
6011	N1	Pottery	Modern	1	1	520036 432773
6012	N1	Pottery	Modern	1	6	520028 432767
6013	N1	Pottery	Modern	1	2	520008 432760
6013	N1	Pottery	Modern	1	4	520008 432760
6014	N1	Pottery	Modern	1	7	520002 432759
6015	N1	Pottery	Modern	1	13	519996 432754
6016	N1	Pottery	Modern	1	1	519968 432744
6017	N1	Pottery	Modern	1	3	519806 432717
6018	N1	Pottery	Modern	1	11	519821 432722
6019	N1	Pottery	Modern	1	1	519855 432734
6019	N1	Pottery	Modern	1	1	519855 432734
6020	N1	Pottery	Modern	1	8	519893 432750
6021	N1	Pottery	Modern	1	2	519930 432766
6022	N1	Pottery	Modern	1	6	519920 432725
6023	N1	Pottery	Modern	1	9	519912 432724
6023	N1	Pottery	Modern	1	3	519912 432724
6024	N1	CBM	Modern	1	243	519838 432693
6025	N1	Pottery	Modern	1	1	519844 432691
6025	N1	Pottery	Modern	2	6	519844 432691
6026	N1	Pottery	Modern	1	1	519800 432673
6026	N1	Pottery	Modern	1	6	519800 432673
6027	N1	Pottery	Post-Medieval	1	7	519788 432670
6028	N2	CBM	Modern	1	54	520205 432866
6029	N2	Pottery	Modern	1	1	520238 432874
6030	N2	Pottery	Post-Medieval	1	12	520276 432869
6030	N2	Pottery	Post-Medieval	1	47	520276 432869
6032	N2	Pottery	Modern	1	1	520226 432837
6034	N2	Pottery	Medieval	1	13	520160 432819
6034	N2	Pottery	Modern	1	2	520160 432819
6037	N3	Pottery	Modern	1	6	520360 432939
6038	N3	Pottery	Modern	1	11	520552 432990
6039	N3	Pottery	Modern	1	10	520586 433025
6040	N4	Pottery	Modern	1	1	520746 433322
6040	N4	Pottery	Prehistoric	1	6	520746 433322
6041	N4	Pottery	Modern	1	2	520734 433305
6041	N4	Pottery	Modern	1	4	520734 433305
6042	N4	Pottery	Modern	1	6	520728 433305
6043	N4	Pottery	Modern	1	8	520715 433286
6044	N4	Pottery	Modern	1	10	520700 433260
6045	N4	Pottery	Modern	1	14	520681 433235
6045	N4	Pottery	Modern	1	2	520681 433235
6045	N4	Pottery	Post-Medieval	1	16	520681 433235
6046	N4	Pottery	Modern	1	4	520676 433227
6046	N4	Pottery	Modern	1	2	520676 433227
6046	N4	Pottery	Modern	1	2	520676 433227
6046	N4	Pottery	Modern	1	1	520676 433227
6046	N4	Pottery	Modern	1	11	520676 433227
6046	N4	Pottery	Post-Medieval	1	10	520676 433227
6046	N4	Pottery	Post-Medieval	1	5	520676 433227
6047	N4	Pottery	Modern	1	2	520672 433220
6048	N4	Pottery	Modern	1	1	520665 433210
6048	N4	Pottery	Prehistoric	1	8	520665 433210
6049	N4	CBM	Modern	2	5	520650 433191

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
6049	N4	Clay pipe	Post-Medieval	1	2	520650 433191
6050	N4	Pottery	Modern	1	4	520674 433172
6050	N4	Pottery	Modern	1	3	520674 433172
6051	N4	Clay pipe	Post-Medieval	1	2	520686 433195
6051	N4	Pottery	Modern	2	9	520686 433195
6052	N4	Pottery	Modern	1	1	520719 433244
6053	N4	Clay pipe	Post-Medieval	1	3	520742 433276
6054	N4	Clay pipe	Post-Medieval	1	2	520773 433311
6054	N4	Pottery	Modern	1	4	520773 433311
6054	N4	Pottery	Post-Medieval	1	1	520773 433311
6055	N4	Production waste	Post-medieval	2	5	520773 433313
6056	N4	Pottery	Modern	1	1	520783 433326
6056	N4	Pottery	Modern	1	16	520783 433326
6057	N4	CBM	Roman	1	83	520790 433332
6057	N4	Glass	Post-Medieval	1	3	520790 433332
6057	N4	Pottery	Modern	1	1	520790 433332
6057	N4	Pottery	Modern	1	2	520790 433332
6057	N4	Pottery	Modern	1	1	520790 433332
6057	N4	Pottery	Modern	2	3	520790 433332
6058	N4	Pottery	Modern	3	5	520793 433342
6058	N4	Pottery	Modern	1	6	520793 433342
6058	N4	Pottery	Modern	1	3	520793 433342
6059	N4	Pottery	Modern	1	11	520798 433350
6059	N4	Pottery	Modern	1	2	520798 433350
6059	N4	Pottery	Modern	1	3	520798 433350
6059	N4	Pottery	Modern	1	3	520798 433350
6060	N4	Clay pipe	Post-Medieval	1	3	520806 433367
6060	N4	Glass	Post-Medieval	1	37	520806 433367
6060	N4	Pottery	Modern	1	1	520806 433367
6060	N4	Pottery	Modern	1	12	520806 433367
6061	N4	Pottery	Modern	1	25	520815 433370
6061	N4	Pottery	Modern	1	2	520815 433370
6061	N4	Pottery	Modern	1	1	520815 433370
6062	N4	Pottery	Modern	1	1	520825 433375
6062	N4	Pottery	Modern	1	13	520825 433375
6062	N4	Pottery	Modern	1	1	520825 433375
6063	N4	Pottery	Modern	1	12	520843 433395
6064	N4	Pottery	Modern	1	11	520851 433422
6064	N4	Pottery	Modern	1	3	520851 433422
6064	N4	Production waste	Post-medieval	1	12	520851 433422
6065	N4	Pottery	Modern	1	3	520910 433496
6065	N4	Pottery	Modern	1	2	520910 433496
6065	N4	Pottery	Modern	1	3	520910 433496
6065	N4	Pottery	Modern	1	5	520910 433496
6066	N4	Pottery	Modern	1	8	520898 433547
6066	N4	Pottery	Modern	1	3	520898 433547
6067	N4	Pottery	Modern	1	4	520870 433514
6068	N4	Glass	Post-Medieval	1	23	520852 433487
6069	N4	CBM	Modern	1	25	520838 433468
6069	N4	Pottery	Modern	1	3	520838 433468
6069	N4	Pottery	Post-Medieval	1	10	520838 433468
6070	N4	Pottery	Medieval	1	5	520816 433430
6070	N4	Pottery	Modern	1	3	520816 433430
6071	N4	Pottery	Modern	1	3	520808 433420
6071	N4	Pottery	Modern	1	22	520808 433420
6071	N4	Pottery	Modern	1	1	520808 433420
6072	N4	Pottery	Modern	2	15	520803 433417
6073	N4	Glass	Post-Medieval	1	47	520795 433415
6073	N4	Pottery	Modern	1	14	520795 433415
6073	N4	Pottery	Modern	1	5	520795 433415
6073	N4	Pottery	Modern	1	2	520795 433415

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
6073	N4	Pottery	Post-Medieval	1	1	520795 433415
6074	N4	Pottery	Modern	1	9	520772 433390
6074	N4	Pottery	Modern	1	3	520772 433390
6075	N4	Clay pipe	Post-Medieval	1	3	520768 433377
6075	N4	Glass	Post-Medieval	1	4	520768 433377
6076	N4	Pottery	Modern	1	21	520758 433352
6076	N4	Pottery	Modern	1	3	520758 433352
6076	N4	Pottery	Post-Medieval	1	1	520758 433352
6077	N4	Pottery	Modern	1	4	520995 433640
6078	N4	Pottery	Modern	1	5	520983 433623
6078	N4	Pottery	Modern	1	2	520983 433623
6079	N4	Glass	Post-Medieval	1	25	520973 433608
6079	N4	Pottery	Modern	1	6	520973 433608
6080	N4	CBM	Modern	1	13	520915 433559
6080	N4	CBM	Modern	1	7	520915 433559
6081	N4	Pottery	Modern	2	7	520931 433582
6081	N4	Pottery	Modern	1	27	520931 433582
6082	N4	CBM	Modern	1	322	520934 433587
6083	N4	Pottery	Modern	1	30	520954 433612
6084	N4	Pottery	Modern	1	4	520966 433630
6084	N4	Pottery	Post-Medieval	1	12	520966 433630
6085	N4	Flint knapped	Prehistoric	1	17	520987 433662
6085	N4	Pottery	Medieval	1	8	520987 433662
6085	N4	Pottery	Modern	1	3	520987 433662
6086	N4	Pottery	Modern	1	6	520994 433662
6086	N4	Pottery	Modern	1	1	520994 433662
6086	N4	Pottery	Modern	1	2	520994 433662
6086	N4	Pottery	Modern	1	9	520994 433662
6086	N4	Pottery	Modern	1	1	520994 433662
6087	N4	Glass	Post-Medieval	1	8	521014 433707
6087	N4	Pottery	Modern	1	10	521014 433707
6088	N4	Pottery	Modern	1	33	521022 433728
6088	N4	Pottery	Modern	1	3	521022 433728
6089	N4	Pottery	Modern	1	48	521026 433739
6090	N4	Pottery	Modern	1	2	521043 433766
6090	N4	Pottery	Modern	1	6	521043 433766
6091	N4	Pottery	Modern	1	39	521056 433792
6091	N4	Pottery	Modern	1	12	521056 433792
6092	N4	Pottery	Medieval	1	4	521072 433805
6092	N4	Pottery	Modern	1	14	521072 433805
6092	N4	Pottery	Modern	1	2	521072 433805
6092	N4	Pottery	Modern	1	2	521072 433805
6094	N4	Pottery	Medieval	1	5	521006 433656
6095	N4	Pottery	Modern	1	27	521011 433662
6096	N4	Pottery	Modern	1	26	521022 433676
6097	N4	Pottery	Modern	2	51	521042 433706
6097	N4	Pottery	Modern	1	7	521042 433706
6097	N4	Pottery	Modern	1	5	521042 433706
6098	N4	Pottery	Modern	1	24	521048 433716
6099	N4	Pottery	Modern	1	9	521068 433750
6100	N4	Pottery	Modern	1	1	521083 433777
6100	N4	Pottery	Modern	1	5	521083 433777
6101	N4	Pottery	Modern	1	6	521090 433788
6101	N4	Pottery	Modern	1	3	521090 433788
6101	N4	Pottery	Modern	1	7	521090 433788
6102	N4	Pottery	Modern	2	23	521107 433805
6102	N4	Pottery	Modern	1	1	521107 433805
6102	N4	Pottery	Modern	1	6	521107 433805
6103	N4	Pottery	Modern	1	9	521124 433829
6104	N4	Pottery	Modern	1	5	521133 433847
6105	N4	Flint knapped	Prehistoric	1	12	521157 433887

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
6106	N5	CBM	Modern	1	53	521164 433915
6107	N5	Pottery	Modern	1	2	521169 433925
6108	N5	Clay pipe	Post-Medieval	1	3	521234 434004
6109	N5	Clay pipe	Post-Medieval	1	2	521257 434036
6109	N5	Pottery	Modern	1	2	521257 434036
6109	N5	Pottery	Modern	2	4	521257 434036
6110	N5	Pottery	Modern	1	3	521264 434050
6111	N5	Pottery	Modern	1	12	521239 434047
6112	N5	Clay pipe	Post-Medieval	1	3	521161 433954
6112	N5	Pottery	Modern	1	1	521161 433954
6112	N5	Pottery	Modern	1	8	521161 433954
6113	N5	Pottery	Modern	1	23	521196 434005
6114	N5	Pottery	Modern	1	4	521214 434032
6114	N5	Pottery	Modern	1	6	521214 434032
6116	N5	Pottery	Modern	1	1	521297 434073
6116	N5	Pottery	Modern	1	21	521297 434073
6116	N5	Pottery	Post-Medieval	1	1	521297 434073
6117	N5	Glass	Post-Medieval	1	35	521354 434125
6118	N5	CBM	Modern	1	19	521357 434127
6119	N5	Pottery	Modern	1	1	521407 434208
6119	N5	Pottery	Modern	1	5	521407 434208
6119	N5	Pottery	Modern	1	14	521407 434208
6120	N5	Pottery	Modern	1	4	521408 434217
6120	N5	Pottery	Modern	1	3	521408 434217
6120	N5	Pottery	Modern	1	5	521408 434217
6122	N5	Pottery	Modern	1	3	521417 434240
6122	N5	Pottery	Modern	2	8	521417 434240
6123	N5	Pottery	Modern	2	8	521423 434260
6124	N5	Pottery	Modern	1	10	521311 434134
6124	N5	Pottery	Modern	1	1	521311 434134
6125	N5	Production waste	Post-medieval	1	95	521346 434183
6126	N5	Pottery	Modern	1	6	521375 434224
6126	N5	Pottery	Modern	1	3	521375 434224
6127	N5	Pottery	Modern	1	7	521396 434270
6127	N5	Pottery	Modern	1	4	521396 434270
6127	N5	Pottery	Modern	1	2	521396 434270
6128	N9	Glass	Post-Medieval	1	3	522454 435397
6128	N9	Pottery	Modern	1	5	522454 435397
6128	N9	Pottery	Post-Medieval	1	2	522454 435397
6129	N9	Pottery	Modern	1	17	522472 435409
6129	N9	Pottery	Modern	1	11	522472 435409
6129	N9	Pottery	Modern	1	4	522472 435409
6130	N9	CBM	Modern	1	241	522475 435414
6130	N9	Pottery	Modern	2	8	522475 435414
6131	N9	Pottery	Modern	1	3	522485 435422
6131	N9	Pottery	Modern	1	6	522485 435422
6132	N9	Glass	Post-Medieval	1	15	522508 435432
6132	N9	Pottery	Modern	1	1	522508 435432
6133	N9	Flint knapped	Prehistoric	1	8	522563 435471
6133	N9	Pottery	Modern	1	2	522563 435471
6133	N9	Pottery	Modern	1	10	522563 435471
6134	N9	Pottery	Modern	2	12	522486 435394
6135	N9	Clay pipe	Post-Medieval	1	2	522569 435451
6135	N9	Pottery	Modern	1	9	522569 435451
6136	N10	Pottery	Post-Medieval	1	4	522598 435457
6137	N10	CBM	Modern	1	209	522619 435465
6137	N10	Glass	Post-Medieval	1	10	522619 435465
6138	N10	Clay pipe	Post-Medieval	1	2	522628 435462
6138	N10	Pottery	Modern	1	3	522628 435462
6138	N10	Pottery	Post-Medieval	1	1	522628 435462
6139	N10	Pottery	Medieval	1	47	522657 435467

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
6139	N10	Production waste	Post-medieval	1	12	522657 435467
6140	N10	Production waste	Post-medieval	1	11	522721 435484
6141	N10	Pottery	Modern	1	7	522753 435483
6142	N10	Pottery	Modern	1	4	522786 435490
6143	N10	CBM	Modern	1	25	522807 435494
6143	N10	Shell	Undetermined	1	15	522807 435494
6144	N10	Pottery	Modern	1	2	522843 435520
6145	N10	Glass	Post-Medieval	1	21	522858 435524
6145	N10	Pottery	Prehistoric	1	32	522858 435524
6146	N10	Pottery	Modern	2	6	522885 435539
6146	N10	Pottery	Modern	1	2	522885 435539
6147	N10	CBM	Modern	1	11	522907 435547
6148	N10	Pottery	Modern	1	4	522929 435553
6148	N10	Pottery	Modern	1	5	522929 435553
6149	N10	CBM	Modern	1	117	522980 435566
6149	N10	Pottery	Modern	1	5	522980 435566
6150	N10	Pottery	Modern	1	1	523036 435572
6152	N10	Production waste	Post-medieval	1	4	523099 435588
6155	N10	Flint knapped	Undetermined	1	16	523123 435623
6156	N10	Pottery	Modern	1	15	523101 435621
6157	N10	Pottery	Modern	2	3	522986 435598
6158	N10	Pottery	Modern	1	10	522923 435583
6159	N10	Pottery	Modern	1	1	522911 435576
6159	N10	Pottery	Modern	1	2	522911 435576
6159	N10	Pottery	Modern	2	5	522911 435576
6160	N10	Pottery	Modern	1	1	522883 435565
6160	N10	Pottery	Modern	1	22	522883 435565
6160	N10	Pottery	Modern	1	42	522883 435565
6161	N10	Metal	Undetermined	1	37	522865 435549
6161	N10	Pottery	Medieval	1	6	522865 435549
6162	N11	Pottery	Modern	1	1	523247 435626
6164	N11	Flint knapped	Prehistoric	1	4	523457 435679
6164	N11	Pottery	Modern	1	1	523457 435679
6165	N11	CBM	Modern	1	136	523467 435683
6166	N11	Pottery	Modern	1	3	523493 435694
6167	N12	Flint knapped	Prehistoric	1	2	523770 435774
6168	N12	Flint knapped	Neolithic	1	13	523653 435739
6168	N12	Pottery	Medieval	1	2	523653 435739
6169	N12	Flint knapped	Prehistoric	1	4	523568 435719
6170	N12	Pottery	Modern	1	2	523561 435714
6171	N13	Pottery	Modern	1	5	524437 436013
6172	N13	Production waste	Post-medieval	1	5	524421 436009
6173	N13	Flint knapped	Prehistoric	1	4	524371 435996
6174	N13	Glass	Post-Medieval	1	12	524221 435953
6174	N13	Production waste	Post-medieval	2	8	524221 435953
6175	N13	Metal	Undetermined	1	7	524192 435936
6176	N13	Production waste	Post-medieval	1	19	524113 435906
6177	N13	CBM	Modern	1	403	524079 435891
6178	N13	CBM	Modern	1	468	524066 435889
6179	N13	Pottery	Post-Medieval	1	1	524049 435882
6180	N13	Flint knapped	Prehistoric	1	22	524336 435995
6181	N14	Pottery	Modern	1	1	524519 436028
6182	N14	Production waste	Post-medieval	1	19	524564 436039
6183	N14	CBM	Modern	1	72	524587 436044
6183	N14	Pottery	Modern	1	1	524587 436044
6184	N14	Pottery	Saxon	1	15	524592 436045
6185	N14	Flint knapped	Undetermined	1	17	524679 436072
6187	N14	CBM	Modern	1	171	524747 436106
6187	N14	Pottery	Modern	1	5	524747 436106
6188	N15	Production waste	Post-medieval	1	8	524811 436154
6188	N15	Stone worked	Modern	1	43	524811 436154

Find number	Plot	Identification	Period	Count	Weight (g)	National grid reference
6189	N15	Pottery	Modern	1	3	524837 436164
6190	N15	Production waste	Post-medieval	1	11	524876 436185
6191	N15	Production waste	Post-medieval	1	9	524889 436193
6192	N16	Pottery	Modern	1	1	525071 436308
6193	N16	Production waste	Post-medieval	1	87	525044 436287
6194	N16	Glass	Post-Medieval	1	57	524976 436238
6195	N16	Flint knapped	Prehistoric	1	3	524992 436249
6200	N17	Pottery	Post-Medieval	1	4	525168 436388
6201	N17	Pottery	Modern	1	6	525129 436367
7001	N13	CBM	Modern	1	1	524504 436002
7002	N13	CBM	Modern	1	1	524474 435991
7003	N13	CBM	Modern	1	31	524459 435984
7004	N13	Flint knapped	Prehistoric	1	2	524434 435971
7005	N13	CBM	Modern	1	25	524265 435917
7006	N13	CBM	Modern	1	5	524228 435900
7006	N13	CBM	Modern	1	63	524228 435900
7006	N13	Pottery	Post-Medieval	1	12	524228 435900
7007	N13	Glass	Post-Medieval	1	17	524229 435901
7008	N13	CBM	Modern	1	2	524143 435902
7011	N14	CBM	Modern	1	26	524491 436046
7012	N14	CBM	Modern	1	22	524493 436046
7013	N14	CBM	Modern	1	4	524563 436085
7013	N14	CBM	Modern	1	21	524563 436085
7014	N14	CBM	Modern	1	40	524586 436079
7015	N14	CBM	Modern	1	55	524681 436113
7016	N15	CBM	Modern	1	6	524740 436140
7017	N15	Production waste	Post-medieval	1	34	524780 436167
7018	N15	CBM	Modern	1	13	524795 436183
7019	N15	CBM	Modern	1	52	524817 436193
7019	N15	CBM	Modern	1	47	524817 436193
7020	N15	CBM	Modern	1	31	524865 436223
7022	N16	CBM	Modern	1	25	525093 436324
7023	N16	CBM	Modern	2	26	525080 436320
7024	N16	CBM	Modern	1	41	525025 436286
7024	N16	CBM	Modern	1	5	525025 436286
7025	N16	CBM	Modern	1	13	524980 436260
7025	N16	CBM	Modern	1	28	524980 436260
7026	N16	CBM	Modern	1	45	524971 436257
7026	N16	Pottery	Modern	1	4	524971 436257
7027	N17	Pottery	Medieval	1	13	525116 436342
7028	N17	CBM	Modern	1	81	525178 436381
7029	N17	Pottery	Modern	1	5	525198 436392

APPENDIX F

ARTEFACT REPORTS

Assessment of the Pottery, Ceramic Building Material and Stone

Alan Vince and Kate Steane

Introduction

One hundred and ninety-nine fragments of ceramic building material, 595 sherds of pottery and two pieces of stone recovered during fieldwalking on the line of the Sproatley to Aldbrough pipeline, were submitted to the authors for identification and assessment.

Table 1: CBM, Pottery & Stone Distribution

Plot	CBM			Pottery			Stone		
	Nosh	NoV	Weight (g)	Nosh	NoV	Weight (g)	Nosh	NoV	Weight (g)
N1	22	21	1264	62	62	417			
N2	1	1	54	13	13	184			
N3	3	3	129	10	10	70			
N4	57	56	1056	281	278	2150			
N5	18	18	495	60	59	351			
N6	22	22	538	36	35	266			
N9	6	6	1054	28	28	259			
N10	15	15	699	61	61	761			
N11	7	7	283	8	8	145			
N12	2	2	41	7	7	57			
N13	13	13	1105	11	10	53	1	1	406
N14	8	8	353	7	7	33			
N15	10	10	269	2	2	17	1	1	43
N16	12	12	524	4	4	38			
N17	3	3	122	5	5	34			
Grand Total	**199**	**197**	**7986**	**595**	**589**	**4835**	**2**	**2**	**449**

Procedures

The finds were identified and recording using a series of ware codes (Table 2). Where the item was large or distinctive enough it was also assigned to a form code (Table 3). Details of traces of use and current condition were also noted.

Table 2: Ware Codes

Code	Class	Full name	Period	Earliest date AD	Latest date AD	Broad source	Narrow source
RTIL?	CBM	Roman ceramic building material?	Rom	40	400		
PMTIL	CBM	Post-medieval ceramic building material	Pmed	0	0		
MODTIL	CBM	Modern ceramic building material	Mod	1900	2000		
RTIL	CBM	Roman tile	Rom	40	400	England	
STONE	non-pottery	Stone	n/a	0	0		
BL	Pottery	Black-glazed wares	Pmed	1500	1750	England	various
LPMX	Pottery	Early modern unknown origin	E/Mod	1750	1900		
IPS	Pottery	Ipswich-type ware	M/Sax	700	850	England	East Anglia
IAERR	Pottery	Iron Age Erratic-Tempered ware	IA	-700	40		
HUM?	Pottery	Humber ware?	L/med	1250	1500	England	Humber Estuary
HUM	Pottery	Humber ware	L/med	1250	1500	England	Humber Estuary
BERTH	Pottery	Black glazed	Pmed	1550	1800	England	various

Code	Class	Full name	Period	Earliest date AD	Latest date AD	Broad source	Narrow source
		earthenware					
ENGS	Pottery	Unspecified English Stoneware	E/Mod	1750	1900	England	nk
ENPO	Pottery	English porcelain	E/Mod	1700	2000	England	various
CALC	Pottery	Calcite-tempered	Rom	40	400	England	Vale of Pickering
BLUE	Pottery	Refined blue ware	E/Mod	1850	1950	England	Staffordshire
PEAR	Pottery	Pearl ware	E/Mod	1770	1900	England	Staffordshire/Bristol
DERBS	Pottery	Derby Stoneware	E/Mod	1800	1950	England	Derby
CSTN	Pottery	Cistercian ware	Pmed	1500	1650	England	various local
CREA	Pottery	Cream ware	E/Mod	1765	1830	England	Staffordshire
CHPO	Pottery	Chinese Export Porcelain	Pmed-E/Mod	1620	1900	China	various
GRE	Pottery	Glazed Red Earthenware	Pmed	1500	1650	England	various
SLIP	Pottery	Unidentified slipware	Pmed	1650	1750	England	various
TPW	Pottery	Transfer printed ware	E/Mod	1770	1900	England	Staffordshire
TGW	Pottery	Tin-glazed ware	Pmed	1640	1770	England	nk
SWSG	Pottery	Staffordshire White Salt glazed stoneware	Pmed	1700	1770	England	Staffordshire
SUND/SLIP	Pottery	Sunderland Coarse ware or other slipware	E/Mod	1750	1900		
SUND	Pottery	Sunderland coarse ware	Pmed	1800	1900	England	North-East
STSL	Pottery	Staffordshire/Bristol slipware	Pmed	1680	1800	England	Staffordshire or Bristol
NCBW	Pottery	19th-century Buff ware	E/Mod	1800	1900	England	Staffordshire
STMO	Pottery	Staffordshire/Bristol mottled-glazed	Pmed	1690	1800	England	Staffordshire
BBAS	Pottery	Black basalt ware	E/Mod	1740	1900	England	various
RPOT	Pottery	unidentified Roman wares	Rom	40	400	na	na
RAER	Pottery	Raeren stoneware	Pmed	1450	1600	Belgium	Meuse valley
PMLOC	Pottery	Post-medieval local	Pmed	1550	1750	na	na
PEARL	Pottery	Pearl ware	E/Mod	1770	1900	England	Staffordshire
WHITE	Pottery	Modern white ware	E/Mod	1850	1900	England	Staffordshire
NOTS	Pottery	Nottingham stoneware	Pmed	1690	1900	England	Nottinghamshire
STRE	Pottery	Staffordshire red ware	Pmed	1630	1750	England	Staffordshire

Table 3: Form Codes

Code	Full Name	CBM	Pottery	Stone	Grand Total
AIRBRICK	Air brick	5			5
BOT	Bottle		5		5
BOWL	Bowl		121		121
BOWL?	Bowl?		1		1
BRICK	Brick	54			54
BRICK?	Brick?	3			3
COLANDER	Colander		1		1
CUP	Cup		55		55
DISH	Dish		2		2
DJ	Drinking Jug		2		2
EGG CUP? SMALL CUP?	Egg cup or small cup		1		1
FIGURINE	Figurine		1		1
FLAT	Flat Roof Tile	57			57
FLAT?	Flat Roof Tile?	8			8
FLP	Flower Pot		19		19
GEO	Un-worked stone			1	1
HONE	Hone			1	1
JAR	Jar		80		80

Code	Full Name	CBM	Pottery	Stone	Grand Total
JAR/JUG	Jar or Jug		2		2
JAR/VASE	Jar or Vase		1		1
JAR?	Jar?		2		2
JUG	Jug		21		21
JUG/JAR	Jug or Jar		6		6
JUG?	Jug?		1		1
LARGE BOWL	Large Bowl		3		3
LARGE JAR	Large Jar		1		1
LARGE PANC	Large Pancheon		1		1
LID	Lid		4		4
MARMALADE JAR	Cylindrical Jar, used for Marmalade and other preserves		34		34
OBJECT	Un-classed Object		1		1
PANC	Pancheon		16		16
PANT	Pantile	37			37
PANT?	Pantile?	2			2
PLATE	Plate		184		184
SAUCER	Saucer		2		2
SEWER PIPE	Sewer Pipe	1			1
SINK	Sink		1		1
SMALL CUP	Small Cup		2		2
STAND	Stand (for supporting a teapot)		1		1
TANK	Tankard		1		1
TILE?	Tile?	1			1
TOILET BOWL	Toilet Bowl		1		1
TPOT	Tea Pot		6		6
VASE	Vase		1		1
WALT	Wall Tile	1			1
Grand Total		**169**	**580**	**2**	**751**

Ceramic Building Material

The brick and tile fragments were examined visually, augmented occasionally by x20 microscope examination. They were assigned to 29 fabric groups and four forms (Table 4).

Table 4: Ceramic Building Material Forms

Subfabric	?	AIRBRICK	BRICK	BRICK?	FLAT	FLAT?	PANT	PANT?	TILE?	Grand Total
F01			6				1			7
F02			13				2			15
F03	3				4	2	2	1		12
F04					5		8			13
F05	2				15					17
F06	4		7	1						12
F07					6	1				7
F08							4			4
F09			1							1
F10					6		2			8
F11	1		2			2				5
F12			1							1
F13			6							6
F14			5	1						6
F15	3				5		6			14
F16			2							2
F17					1					1
F18	10				6	2	3	1		22
F19	2									2
F20					1					1
F21									1	1
F22	4				6	1	2			13
F23							1			1
F24	1			1						2
F25							2			2

Subfabric	?	AIRBRICK	BRICK	BRICK?	FLAT	FLAT?	PANT	PANT?	TILE?	Grand Total
F26			1							1
F27		5								5
F28					1		3			4
F29			9				1			10
Grand Total	**30**	**5**	**53**	**3**	**56**	**8**	**37**	**2**	**1**	**195**

Roman tile

Two fragments of ceramic building material were tentatively identified as being of Roman date. In the light of the extremely low incidence of pottery of this date from the fieldwork, both have to be treated as suspect.

Medieval tile

Sixty-four fragments of flat roof tile dating between the later 12th and the 17th centuries (or even later) were recorded. Several of these fabrics have characteristics seen in the products of the medieval Beverley tilery. However, similar resources (Quaternary quartzose cover sands, coarse mixed sands and gravels, micaceous silty estuarine clays and calcareous silty estuarine clays) occur widely in East Yorkshire.

Forty-one flat roof tile fragments had complete thicknesses (Table 5). These ranged from 11mm to 20mm with a mean thickness of 14.9mm. One fragment, from context 5018, is over fired and might be considered a waster. However, one would require more evidence before suggesting that tile was produced locally. No peg holes or nibs were present.

Table 5: Roof Tile Fabrics

Subfabric	Description at x20 magnification	Comments	Total
F03	Few inclusions over 0.1mm. Micaceous groundmass		6
F04	Few inclusions over 0.1mm across except for lenses of a calcareous/quartzose sand with rounded grains up to 0.3mm across. Micaceous groundmass		5
F05	Poorly mixed clays. a) red-firing with fine quartz sand up to 0.2mm across and b) cream/yellow/grey firing calcareous clay	Possibly from Beverley	15
F07	Red-firing calcareous silty clay with some organic inclusions	Possibly from Beverley	7
F10	Red-firing calcareous silty clay with fine quartz moulding sand	Possibly from Beverley	6
F11	Sparse rounded quartz sand. Fine-textured micaceous groundmass	Possibly from Beverley	2
F15	Few inclusions over 0.1mm. Calcareous micaceous groundmass	Possibly from Beverley	5
F17	Moderate rounded quartz/sandstone/ironstone sand in a fine-textured micaceous groundmass	Possibly from Beverley	1
F18	Sparse rounded dark red clay pellets. Micaceous groundmass (includes biotite)		8
F20	Red-firing with fine quartz sand up to 0.2mm across	Possibly from Beverley	1
F22	Sparse rounded quartz/flint/chert inclusions up to 2.0mm across in a fine-textured micaceous groundmass	Possibly from Beverley	7
F28	Few inclusions over 0.1mm. Calcareous micaceous groundmass. Fine rounded quartz moulding sand		1
Grand Total		**5**	**64**

Post-medieval tile

Although brick was used in the late medieval period, the widespread adoption of brick in rural East Yorkshire is likely to have been during the later 16th century. Fifty-six fragments were recorded in this collection (Table 6). The same range of shapes and sizes of brick were then used throughout the 17th and 18th centuries and in places through the 19th century too.

Detailed fabric analysis tied to stratigraphy might allow brick fragments to be dated more closely but in the presence case the brick can only be broadly dated. Pantiles are a second post-medieval introduction. They originated in the Low Countries but were widely adopted in England, especially in the later 17th-century and later. Thirty-nine examples were recorded in this collection (Table 6).

Table 6: Post Medieval Ceramic Building Material

Subfabric	BRICK	BRICK?	PANT	PANT?	Grand Total
F01	6		1		7
F02	13		2		15
F03			2	1	3
F04			8		8
F06	7	1			8
F08			4		4
F09	1				1
F10			2		2
F11	2				2
F12	1				1
F13	6				6
F14	5	1			6
F15			6		6
F16	2				2
F18			3	1	4
F22			2		2
F23			1		1
F24		1			1
F25			2		2
F26	1				1
F28			3		3
F29	9		1		10
Grand Total	**53**	**3**	**37**	**2**	**95**

These bricks and tile fabrics include most of those in which flat roof tiles were also found but twelve fabrics are new (Table 5). Most of these bricks were made from calcareous clay, probably an estuarine mud, and therefore probably produced close to the Humber. Only one fabric, F14, might have been made from boulder clay, which forms the bedrock in the pipeline area.

Table 7: Subfabric Codes

Subfabric	Description at x20 magnification	Comments	Total
F01	Red-firing, silty calcareous micaceous body with light-coloured marl pellets		7
F02	Sparse rounded white fine-grained sandstone fragments up to 3.0mm across. Over-fired, probably calcareous poorly mixed silty groundmass		15
F06	No inclusions over 0.1mm across. Poorly mixed calcareous and fine-textured clays.		8
F08	Sparse rounded quartz grains up to 0.3mm across. Micaceous silty groundmass	Probably made in the Humber estuary	4
F09	No inclusions over 0.1mm across. Micaceous silty groundmass (includes biotite).		1
F12	No inclusions over 0.1mm across. Calcareous silty micaceous groundmass		1
F13	as F02		6
F14	Abundant rounded quartz, sparse white sandstone, angular white flint up to 3.0mm across. Micaceous fine sandy matrix	Possibly a boulder clay	6
F16	Abundant angular marl fragments in a red-firing calcareous matrix		2
F25	No inclusions over 0.1mm across. Silty micaceous groundmass with streaks and pellets of lighter-coloured clay		2

Subfabric	Description at x20 magnification	Comments	Total
F26	Abundant voids, perhaps calcareous or organic inclusions up to 0.5mm across. Calcareous, micaceous silty groundmass		1
F29	Sparse rounded red fine-grained sandstone and moderate organic voids. Calcareous silty micaceous groundmass		10
Grand Total			**63**

Modern tile
Definitely modern ceramic building material was present in the collection. It includes fragments of airbricks, a salt-glazed stoneware sewer pipe, a white-glazed refined white ware wall tile and fragments of pantile and unidentified objects in fabrics F08, F23 and F24.

Table 8: Modern Subfabric Codes

Subfabric	Description at x20 magnification	Comments	Total
F23	as F04 but almost vitrified firing	Probably made in the Humber estuary	1
F24	Angular mudstone/relict clay fragments up to 5.0mm long. Fine-textured groundmass with sparse muscovite.	Oxford clay	2
Grand total			**7**

Pottery

Iron Age pottery
Three sherds of later prehistoric pottery were found. Two of these contain large angular rock fragments, mostly basic igneous rock. Such rocks are present in the local boulder clay but would have had to be deliberately selected in order to get the high frequency found in these sherds. One of the sherds is large and unabraded and was probably dislodged from a feature or occupation deposit by the plough (Plot N10, find 6145) whilst the other is abraded and smaller and has been subjected to plough damage and weathering (Plot N4, find 6048).

A sherd tempered with angular sparry calcite might be of later prehistoric or late Roman date (Plot 4, find 6040). This fabric was produced and used in the Vale of Pickering from the Late Bronze Age into the Anglo-Saxon period but is rarely found outside of the vale except in those two periods. It is small, abraded and the calcite has been leached.

Roman pottery
Two sherds of Romano-British greyware were recovered. Both were small and abraded and probably present through manuring (Plot N4 find 5053 and Plot N14 find 1187).

Anglo-Saxon pottery
The rim of a possible Ipswich ware jar was found on Plot N14 (find 6184). The sherd is relatively fresh and large and may indicate occupation of this period on the site. Finds of Ipswich ware are rare in Yorkshire. Even on the site of the Mid Saxon extramural settlement at York they only account for approx 3-5% of the contemporary sherds found and other finds are limited to single vessels from Lurk Lane in Beverley, Bridlington and Sewerby Cottage Farm. A single find, therefore, might well be indicative of a settlement rather than a stray find.

Medieval pottery

Thirty-four sherds of medieval pottery were recovered. All were of Humberware and all were heavily abraded, so that in some cases the identification is suspect (Table 9). Although the highest quantity of sherds comes from Plot N4, this plot also produced a large quantity of later pottery and there is no real evidence for a concentration such as might indicate settlement. The sherds include fragments of unglazed drinking jugs, jars and jugs but are mostly not attributable to a form. Humberware may first appear in East Yorkshire in the late 13th century but it only becomes common in the mid 14th century and throughout the remainder of that century and the 15th century it is the most common ware used in the region.

There were undoubtedly several production sites supplying East Yorkshire with Humberware and recent work at Wawne suggests that these may well have been located in East Yorkshire. The ware continued to be used into the 16th century and these late vessels often have a brown, semi-vitrified glaze as a result of the deliberate over-firing of a lead-glazed, brown-slipped vessel. Few of the sherds from the fieldwork retain their surfaces so it is impossible to say whether any of the finds might be of a 16th century date. However, the drinking jug form does not occur in this late phase and so at least one sherd is of later 14th or 15th-century date.

Table 9: Medieval Pottery Assemblage

Plot	Sum of Nosh	Sum of Weight
N1	2	28
N2	2	16
N4	20	190
N6	2	52
N9	1	3
N10	3	69
N11	1	56
N12	1	2
N13	1	3
N17	1	13
Grand Total	**34**	**432**

Post-medieval pottery

Fifty-five sherds of post-medieval pottery were recovered from the fieldwork. They range in date from sherds of Cistercian ware and Raeren stoneware, of late 15th or early 16th century, to sherds from English White Saltglazed Stoneware (SWSG) which are of mid 18th century date. Most, however, are of glazed red earthenwares which cannot be closely dated.

Table 10: Post Medieval Pottery wares

Plot	BERTH	BL	CSTN	GRE	RAER	SLIP	STMO	STRE	SWSG	TGW	Grand Total
N1		2									2
N2		3									3
N3		1									1
N4	3	2		7	1	1	1		3		18
N5	1	1								2	4
N6		2		2							4
N9		1		2		2					5
N10	1	4	1	1				3			10
N11						1					1
N13		2		2					1		5
N14							1				1
N17	1										1
Grand Total	**6**	**18**	**1**	**14**	**1**	**4**	**2**	**3**	**4**	**2**	**55**

Early Modern pottery

Five hundred and two sherds of pottery dating to the later 18th, 19th and 20th centuries were recorded (Table 11). The majority of the sherds probably date to the second half of the 19th century and consist of miscellaneous refined whitewares (WHITE), transfer printed wares (TPW) and miscellaneous English stonewares (ENGS). The latter include a number of vessels with a feldspathic glaze, introduced in the mid 19th century, and marmalade jars of late 19th/early 20th-century date. High proportions of the vessels recovered were translucent and classed as porcelains (ENPO). This may also be a reflection of the late date of the collection.

Table 11: Early-Modern Pottery

Plot	Total
N1	58
N2	8
N3	9
N4	241
N5	56
N6	30
N9	22
N10	47
N11	6
N13	5
N14	5
N17	3
N12	6
N16	4
N15	2
Grand Total	**502**

Stone

Two fragments of stone were submitted. One of these is identified here as a natural glacial erratic but the other is a sandstone hone. The hone has a circular cross-section and a tapering profile and shows little sign of wear. It appears to be of early modern or recent date.

Assessment

The finds range in date from the Late Bronze Age or Iron Age through to the 20th century.

Almost all of the finds are abraded to some degree and are consistent with their having been in active plough soil from soon after breakage and disposal. Therefore, they are likely to be evidence for the manuring of fields rather than settlement on the line of the pipeline. The exceptions are the later prehistoric sherd from Plot 10, which is indicative of settlement in the area (probably on site), as possibly is the sherd of Ipswich-type ware from Plot 14. Both finds should be investigated further.

The remaining sherds are indicative of manuring, in the Roman period and then again in the later medieval, post-medieval and early modern periods. It is presumed that in the medieval period the manure was obtained from the nearest settlement (farmyard manure) but the later finds might well have come from further afield, since there are documentary references to the existence of communal laystalls (dung heaps) by the 16th century in towns.

The Ipswich-type ware sherd should be drawn and samples take for thin section and chemical analysis, to test the possible attribution. The ceramic building material should be discarded, with the exception of the fabric series which, together with the pottery, should be retained for future study

Table 12: Ceramic Building Material, Pottery and Stone Assemblage

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N1	5001	POTTERY	WHITE	E/Mod		PLATE	1	1		BLUE SPONGING		R	2		ABRA
N1	5003	CBM	PMTIL	E/Mod	F22	FLAT	1	1				BS	37		ABRA
N1	5005	CBM	PMTIL	E/Mod	F4	PANT	1	1				BS	10		
N1	5006	POTTERY	TPW	E/Mod		PLATE	1	1				BS	10		
N1	5007	POTTERY	TPW	E/Mod		PLATE	1	1				B	3		ABRA
N1	5007	POTTERY	TPW	E/Mod		PLATE	1	1				R	1		ABRA
N1	5008	CBM	PMTIL	E/Mod	F4	PANT	1	1				BS	129		
N1	5009	POTTERY	ENGS	E/Mod		JAR	1	1				BS	27		
N1	5010	POTTERY	NOTS	E/Mod		COLANDER	1	1				BS	39		
N1	5012	CBM	PMTIL	E/Mod	F4	PANT	1	1				BS	39		OVERFIRED
N1	5013	CBM	MODTIL	E/Mod	F8	PANT	2	1				BS	47		
N1	5015	POTTERY	TPW	E/Mod		PLATE	1	1				R	5		ABRA
N1	5017	POTTERY	NOTS	E/Mod		LID	1	1		ROULETTING		BS	18		
N1	5018	CBM	PMTIL	E/Mod	F4	FLAT	1	1				BS	35		OVERFIRED
N1	5018	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	18		ABRA
N1	5020	CBM	PMTIL	E/Mod	F22	FLAT	1	1	FABRIC 22			BS	33		ABRA
N1	5020	POTTERY	TPW	E/Mod		PLATE	1	1				BS	10		ABRA
N1	5022	POTTERY	NOTS	E/Mod		BOWL	1	1				B	43		
N1	6001	POTTERY	HUM	Med		JUG	1	1				H	8		V ABRA
N1	6002	CBM	PMTIL	E/Mod	F22	FLAT	1	1				BS	27		ABRA
N1	6003	POTTERY	CREA	E/Mod		PLATE	1	1				R	3		
N1	6004	POTTERY	DERBS	E/Mod		BOWL	1	1				B	34		ABRA
N1	6004	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N1	6005	POTTERY	CREA	E/Mod		PLATE	1	1				BS	1		ABRA
N1	6006	POTTERY	TPW	E/Mod		PLATE	1	1				R	4		
N1	6006	POTTERY	WHITE	E/Mod		PLATE	1	1		BLUE SPRIGGED FLORAL DEC		B	5		
N1	6007	POTTERY	HUM	Med		JUG/JAR	1	1				B	20		V V ABRA
N1	6008	POTTERY	ENPO	E/Mod		PLATE	1	1				B	4		ABRA
N1	6008	POTTERY	TPW	E/Mod		CUP	1	1				R	1		
N1	6009	POTTERY	SUND	E/Mod		BOWL	1	1		BLACK GLAZE EXT; WHITE SLIP UNDER GLAZE INT		BS	1		
N1	6010	POTTERY	PEAR	E/Mod		CUP	1	1				R	2		
N1	6010	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		ABRA
N1	6011	POTTERY	CREA	E/Mod		PLATE	1	1				BS	2		
N1	6011	POTTERY	NCBW	E/Mod		BOWL	1	1				BS	1		
N1	6012	POTTERY	NCBW	E/Mod		BOWL	1	1				BS	6		
N1	6013	POTTERY	TPW	E/Mod		CUP	1	1				R	2		ABRA
N1	6013	POTTERY	TPW	E/Mod		PLATE	1	1				R	4		
N1	6014	POTTERY	TPW	E/Mod		CUP	1	1				B	7		ABRA
N1	6015	POTTERY	ENPO	E/Mod		BOWL	1	1				B	13		ABRA
N1	6016	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		ABRA
N1	6017	POTTERY	TPW	E/Mod		PLATE	1	1				BS	3		
N1	6018	POTTERY	NCBW	E/Mod		BOWL	1	1				B	11		
N1	6019	POTTERY	PEAR	E/Mod		BOWL	1	1				BS	1		ABRA
N1	6019	POTTERY	TPW	E/Mod		BOWL	1	1				BS	1		

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N1	6020	POTTERY	TPW	E/Mod		BOWL	1	1				BS	8		
N1	6021	POTTERY	TPW	E/Mod		PLATE	1	1				BS	2		
N1	6022	POTTERY	ENPO	E/Mod		BOWL	1	1				B	6		
N1	6023	POTTERY	NOTS	E/Mod		LID	1	1		ROULETTING		R	9		
N1	6023	POTTERY	WHITE	E/Mod		PLATE	1	1		BLUE SPONGING		BS	3		
N1	6024	CBM	PMTIL	E/Mod	F13	BRICK	1	1		REDUCED CORE		BS	243		ABRA
N1	6025	POTTERY	PEAR	E/Mod		PLATE	1	1				BS	1		
N1	6025	POTTERY	TPW	E/Mod		PLATE	2	2				BS	6		
N1	6026	POTTERY	CREA	E/Mod		PLATE	1	1				R	1		ABRA
N1	6026	POTTERY	PEAR	E/Mod		PLATE	1	1				B	6		ABRA
N1	6027	POTTERY	BL	Pmed		BOWL	1	1				BS	7		ABRA
N1	1002	CBM	PMTIL	E/Mod	F10	FLAT	1	1				BS	31		ABRA
N1	1003	CBM	PMTIL	E/Mod	F18	?	2	2				BS	11		ABRA
N1	1003	POTTERY	WHITE	E/Mod		CUP	1	1		BLUE SPONGING		B	2		
N1	1004	POTTERY	PEAR	E/Mod		PLATE	1	1		BLUE FEATHERING		BS	3		ABRA
N1	1006	CBM	PMTIL	E/Mod	F22	?	1	1				BS	1		ABRA
N1	1008	POTTERY	WHITE	E/Mod		CUP	1	1				R	1		
N1	1009	POTTERY	ENPO	E/Mod		BOWL	1	1				B	3		ABRA
N1	1009	POTTERY	WHITE	E/Mod		PLATE	1	1				R	3		ABRA
N1	1010	CBM	PMTIL	E/Mod	F10	FLAT	1	1				BS	34		
N1	1010	POTTERY	TPW	E/Mod		PLATE	1	1				R	6		ABRA
N1	1011	POTTERY	TPW	E/Mod		PLATE	1	1				R	1		
N1	1012	CBM	PMTIL	E/Mod	F6	BRICK	1	1				BS	113		ABRA
N1	1013	POTTERY	PEAR	E/Mod		CUP	1	1				R	4		
N1	1014	POTTERY	NOTS	E/Mod		LARGE JAR	1	1				BS	13		ABRA
N1	1015	POTTERY	ENPO	E/Mod		CUP	1	1		BLUE GLAZED DEC		BS	2		
N1	1015	POTTERY	TPW	E/Mod		PLATE	1	1				BS	8		
N1	1016	POTTERY	BL	E/Mod		PANC	1	1				BS	11		ABRA
N1	1016	POTTERY	PEAR	E/Mod		PLATE	1	1				BS	2		ABRA
N1	1016	CBM	PMTIL	E/Mod	F22	?	1	1				BS	2		
N1	1017	POTTERY	PEAR	E/Mod		PLATE	1	1				BS	1		ABRA
N1	1018	CBM	PMTIL	E/Mod	F13	BRICK	1	1		OXIDISED		BS	313		ABRA
N1	1018	POTTERY	SUND	E/Mod		BOWL	1	1		WHITE SLIP UNDER GLAZE INT		B	9		ABRA
N1	1019	CBM	PMTIL	E/Mod	F22	FLAT	1	1				BS	23		ABRA
N1	1019	CBM	PMTIL	E/Mod	F22	FLAT	1	1				BS	56		ABRA
N1	1020	CBM	PMTIL	E/Mod	F10	FLAT	1	1				BS	62		
N1	1021	POTTERY	PEAR	E/Mod		PLATE	1	1		BLUE FEATHERED EDGE		R	4		
N2	5023	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N2	5025	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N2	5027	POTTERY	TPW	E/Mod		CUP	1	1				BS	1		
N2	5028	POTTERY	BL	Pmed		PANC	1	1				R	94		
N2	6028	CBM	PMTIL	E/Mod	F10	PANT	1	1				BS	54		
N2	6029	POTTERY	TPW	E/Mod		PLATE	1	1				R	1		
N2	6030	POTTERY	BL	Pmed		PANC	1	1				BS	12		ABRA
N2	6030	POTTERY	BL	Pmed		PANC	1	1				R	47		ABRA
N2	6032	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N2	6034	POTTERY	HUM	Med		JUG	1	1		BROWN GLAZE		BS	13		
N2	6034	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	2		

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N2	1024	POTTERY	HUM	Med		JUG/JAR	1	1				BS	3		V V ABRA
N2	1024	POTTERY	NCBW	E/Mod		BOWL	1	1				BS	4		
N2	1025	POTTERY	ENPO	E/Mod		PLATE	1	1				R	4		
N3	5029	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUST BLUE SLIP INT		R	5		
N3	5030	CBM	PMTIL	E/Mod	F22	PANT	1	1				BS	84		
N3	5031	CBM	PMTIL	E/Mod	F10	PANT	1	1				BS	40		
N3	5035	POTTERY	ENPO	E/Mod		PLATE	1	1				BS	2		
N3	5036	POTTERY	BL	Pmed		JAR	1	1				BS	5		ABRA
N3	5037	POTTERY	ENPO	E/Mod		PLATE	1	1				B	1		
N3	5037	POTTERY	TPW	E/Mod		PLATE	1	1				R	4		
N3	6037	POTTERY	WHITE	E/Mod		PLATE	1	1				R	6		ABRA
N3	6038	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	11		
N3	6039	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	10		
N3	1026	CBM	PMTIL	E/Mod	F4	PANT	1	1				BS	5		ABRA
N3	1027	POTTERY	PEAR	E/Mod		BOWL	1	1		MOULDED DEC EXT		BS	2		
N3	1029	POTTERY	SUND	E/Mod		BOWL	1	1				R	24		
N4	5039	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP		BS	1		ABRA
N4	5040	POTTERY	CREA	E/Mod		PLATE	1	1				BS	1		ABRA
N4	5040	POTTERY	WHITE	E/Mod		?	1	1				BS	1		
N4	5041	POTTERY	NOTS	E/Mod		JUG	1	1				H	14		
N4	5041	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP		BS	1		
N4	5042	POTTERY	ENGS	E/Mod		JAR	1	1				BS	18		
N4	5043	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				B	32		
N4	5044	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	5		
N4	5045	POTTERY	WHITE	E/Mod		CUP	1	1				B	11		
N4	5047	CBM	PMTIL	E/Mod	F6	?	1	1				BS	9		
N4	5050	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	12		
N4	5050	CBM	PMTIL	E/Mod	F11	BRICK	1	1				BS	32	MORTAR	
N4	5051	POTTERY	ENGS	E/Mod		JAR	1	1				R	14		
N4	5052	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	12		
N4	5053	POTTERY	RPOT	Rom		?	1	1				BS	2		V V ABRA
N4	5054	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		ABRA
N4	5054	POTTERY	WHITE	E/Mod		PLATE	1	1				R	1		
N4	5056	POTTERY	SUND	E/Mod		BOWL	1	1		WHITE SLIP		R	16		ABRA
N4	5057	POTTERY	TPW	E/Mod		PLATE	1	1				BS	2		ABRA
N4	5059	POTTERY	SWSG	Pmed		TANK	1	1		SCRATCH BLUE GLAZE		BS	1		
N4	5060	POTTERY	WHITE	E/Mod		JAR	1	1				BS	12		
N4	5062	POTTERY	ENPO	E/Mod		SAUCER	1	1				B	15		
N4	5063	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	3		
N4	5064	POTTERY	ENPO	E/Mod		CUP	1	1				BS	1		
N4	5065	POTTERY	TPW	E/Mod		PLATE	1	1				R	7		ABRA
N4	5065	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	12		ABRA

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N4	5066	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		ABRA
N4	5068	POTTERY	PEAR	E/Mod		PLATE	1	1				BS	6		ABRA
N4	5070	POTTERY	GRE	Pmed		BOWL	1	1				B	20		ABRA
N4	5071	POTTERY	PEAR	E/Mod		PLATE	4	2				B;BS	10		ABRA
N4	5073	POTTERY	PEAR	E/Mod		PLATE	1	1				BS	2		ABRA
N4	5073	POTTERY	WHITE	E/Mod		BOWL	1	1		LATE		BS	6		
N4	5075	POTTERY	PEAR	E/Mod		PLATE	1	1				B	7		ABRA
N4	5076	POTTERY	ENPO	E/Mod		PLATE	1	1				R	5		
N4	5078	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N4	5079	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	17		
N4	5080	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	12		
N4	5081	POTTERY	ENPO	E/Mod		CUP	1	1				BS	4		ABRA
N4	5082	POTTERY	GRE	Pmed		BOWL	1	1				BS	3		V ABRA
N4	5082	CBM	PMTIL	E/Mod	F14	BRICK	2	2				BS	26		
N4	5084	CBM	PMTIL	E/Mod	F4	FLAT	1	1				BS	35		
N4	5085	CBM	MODTIL	E/Mod		SEWAGE PIPE	1	1				BS	46		
N4	5086	POTTERY	ENPO	E/Mod		FIGURINE	1	1		SHOULDER/ARM WITH ARMOUR		BS	5		
N4	5086	CBM	PMTIL	E/Mod	F18	FLAT	1	1				BS	5		ABRA
N4	5086	CBM	PMTIL	E/Mod		FLAT	1	1				BS	39		
N4	5086	POTTERY	TPW	E/Mod		PLATE	1	1				BS	3		
N4	5088	POTTERY	BERTH	Pmed		PANC	1	1				BS	18		ABRA
N4	5088	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	3		ABRA
N4	5089	CBM	PMTIL	E/Mod	F15	?	1	1				BS	6		
N4	5089	CBM	PMTIL	E/Mod	F15	FLAT	1	1				BS	10		
N4	5089	CBM	PMTIL	E/Mod	F15	PANT	2	1	FABRIC 15			BS	45		
N4	5091	CBM	PMTIL	E/Mod	F11	?	1	1				BS	4		
N4	5092	POTTERY	PEAR	E/Mod		BOWL	1	1				BS	3		
N4	5093	POTTERY	WHITE	E/Mod		JAR	1	1		IMPRESSED ON BASE '..STLE'		B	44		ABRA
N4	5094	CBM	PMTIL	E/Mod	F15	FLAT	1	1				BS	1		
N4	5094	CBM	PMTIL	E/Mod	F7	FLAT	1	1				BS	4		
N4	5095	POTTERY	ENGS	E/Mod		JAR	1	1				BS	6		
N4	6040	POTTERY	CALC	PREH/ROM		JAR	1	1				BS	6		LEACHED
N4	6040	POTTERY	WHITE	E/Mod		PLATE	1	1		SPRIGGED LEAF DEC		BS	1		
N4	6041	POTTERY	ENPO	E/Mod		BOWL	1	1				R	2		
N4	6041	POTTERY	WHITE	E/Mod		CUP	1	1				BS	4		
N4	6042	POTTERY	TPW	E/Mod		BOWL	1	1				B	6		
N4	6043	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				R	8		
N4	6044	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	10		ABRA
N4	6045	POTTERY	BERTH	Pmed		JUG	1	1				H;BS	16		ABRA
N4	6045	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	14		
N4	6045	POTTERY	ENPO	E/Mod		CUP	1	1		EVIDENCE FOR OVERGLAZE ENAMEL BELOW RIM		R	2		
N4	6046	POTTERY	ENGS	E/Mod		MARMALADE	1	1				BS	4		

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						JAR									
N4	6046	POTTERY	PEAR	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP		BS	2		
N4	6046	POTTERY	RAER	Pmed		DJ	1	1				B	10		ABRA
N4	6046	POTTERY	SWSG	Pmed		BOWL	1	1				B	5		
N4	6046	POTTERY	TPW	E/Mod		?	1	1				BS	2		BURNT
N4	6046	POTTERY	WHITE	E/Mod		CUP	1	1				BS	1		
N4	6046	POTTERY	WHITE	E/Mod		JAR	1	1				B	11		ABRA
N4	6047	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	2		ABRA
N4	6048	POTTERY	IAERR	Preh		JAR	1	1		SHORT VERTICAL ROUNDED RIM ON GLOBULAR/SHOULDERED BODY		R	8		VABR
N4	6048	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		ABRA
N4	6049	CBM	PMTIL	E/Mod	F18	?	2	2				BS	5		ABRA
N4	6050	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	4		
N4	6050	POTTERY	TPW	E/Mod		PLATE	1	1				BS	3		ABRA
N4	6051	POTTERY	WHITE	E/Mod		PLATE	2	2				BS	9		
N4	6052	POTTERY	WHITE	E/Mod		BOWL	1	1				R	1		ABRA
N4	6054	POTTERY	BL	Pmed		JAR	1	1				BS	1		ABRA
N4	6054	POTTERY	NOTS	E/Mod		BOWL	1	1		EXTERNAL ROULETTING		BS	4		
N4	6056	POTTERY	ENPO	E/Mod		CUP	1	1				R	1		
N4	6056	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP IN HORIZ BANDS		R	16		ABRA
N4	6057	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	1		
N4	6057	POTTERY	ENPO	E/Mod		CUP	1	1				BS	2		ABRA
N4	6057	CBM	RTIL?	Rom	F21	TILE?	1	1	FABRIC 21			BS	83		ABRA
N4	6057	POTTERY	TPW	E/Mod		BOWL	1	1				BS	1		
N4	6057	POTTERY	WHITE	E/Mod		PLATE	2	2				R; BS	3		ABRA
N4	6058	POTTERY	ENPO	E/Mod		CUP	3	3				BS	5		ABRA
N4	6058	POTTERY	ENPO	E/Mod		JUG?	1	1		TRACES OF GOLD OVERGLAZE		BS	6		ABRA
N4	6058	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP		BS	3		
N4	6059	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	11		
N4	6059	POTTERY	ENPO	E/Mod		CUP	1	1				BS	2		ABRA
N4	6059	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	3		ABRA
N4	6059	POTTERY	WHITE	E/Mod		JUG	1	1				H	3		ABRA
N4	6060	POTTERY	ENPO	E/Mod		PLATE	1	1				R	1		
N4	6060	POTTERY	WHITE	E/Mod		PLATE	1	1				R	12		
N4	6061	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				B	25		ABRA
N4	6061	POTTERY	ENPO	E/Mod		SMALL CUP	1	1				R	2		
N4	6061	POTTERY	WHITE	E/Mod		CUP	1	1				H	1		
N4	6062	POTTERY	CREA	E/Mod		PLATE	1	1				R	1		
N4	6062	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	13		
N4	6062	POTTERY	PEAR	E/Mod		PLATE	1	1				BS	1		

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N4	6063	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				R	12		
N4	6064	POTTERY	ENGS	E/Mod		JAR	1	1				BS	11		
N4	6064	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	3		
N4	6065	POTTERY	ENGS	E/Mod		JAR	1	1		IMPRESSED LETTERS OBSCURE		BS	3		
N4	6065	POTTERY	ENPO	E/Mod		CUP	1	1				H;BS	2		
N4	6065	POTTERY	TPW	E/Mod		PLATE	1	1				BS	3		
N4	6065	POTTERY	TPW	E/Mod		PLATE	1	1				BS	5		ABRA
N4	6066	POTTERY	BBAS	E/Mod		TPOT	1	1		GLAZED;IMPRESSED AND APPLIED DEC		BS	8		
N4	6066	POTTERY	PEAR	E/Mod		BOWL	1	1				BS	3		
N4	6067	POTTERY	TPW	E/Mod		PLATE	1	1				R	4		
N4	6069	POTTERY	BERTH	Pmed		JAR	1	1				BS	10		ABRA
N4	6069	CBM	PMTIL	E/Mod	F12	BRICK	1	1	FABRIC 12			BS	25		ABRA
N4	6069	POTTERY	WHITE	E/Mod		PLATE	1	1				R	3		ABRA
N4	6070	POTTERY	ENPO	E/Mod		CUP	1	1				B	3		
N4	6070	POTTERY	HUM	Med		JAR	1	1				BS	5		V V ABRA
N4	6071	POTTERY	ENPO	E/Mod		CUP	1	1				B	3		
N4	6071	POTTERY	SUND	E/Mod		BOWL	1	1		WHITE SLIP		BS	22		V ABRA
N4	6071	POTTERY	WHITE	E/Mod		PLATE	1	1				R	1		ABRA
N4	6072	POTTERY	WHITE	E/Mod		JUG	2	2				H;BS	15		
N4	6073	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	14		
N4	6073	POTTERY	ENPO	E/Mod		CUP	1	1				B	5		
N4	6073	POTTERY	STMO	Pmed		BOWL	1	1				BS	1		
N4	6073	POTTERY	TPW	E/Mod		PLATE	1	1				R	2		
N4	6074	POTTERY	ENPO	E/Mod		JAR?	1	1		STRANGE SHAPE		BS	9		
N4	6074	POTTERY	TPW	E/Mod		PLATE	1	1				BS	3		ABRA
N4	6076	POTTERY	NOTS	E/Mod		JAR	1	1				B	21		ABRA
N4	6076	POTTERY	PMLOC	E/Mod		FLP	1	1		IMPRESSED DEC		BS	3		
N4	6076	POTTERY	SWSG	Pmed		BOWL	1	1				BS	1		
N4	6077	POTTERY	ENPO	E/Mod		BOWL	1	1				R	4		ABRA
N4	6078	POTTERY	WHITE	E/Mod		BOWL	1	1		HORIZONTAL BANDS OF INDUSTIRAL BLUE SLIP		R	5		
N4	6078	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	2		ABRA
N4	6079	POTTERY	WHITE	E/Mod		PLATE	1	1				R	6		ABRA
N4	6080	CBM	PMTIL	E/Mod	F14	BRICK	1	1				BS	13		V ABRA
N4	6080	CBM	PMTIL	E/Mod	F3	?	1	1				BS	7		V ABRA
N4	6081	POTTERY	TPW	E/Mod		PLATE	2	2				BS	7		ABRA
N4	6081	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	27		ABRA
N4	6082	CBM	PMTIL	E/Mod	F13	BRICK	1	1	FABRIC 13	REDUCED CORE		BS	322		BLOATED
N4	6083	POTTERY	ENGS	E/Mod		BOT	1	1				R	30		ABRA
N4	6084	POTTERY	ENPO	E/Mod		CUP	1	1				R	4		
N4	6084	POTTERY	GRE	Pmed		PANC	1	1				BS	12		V ABRA
N4	6085	POTTERY	HUM	Med		JUG/JAR	1	1				BS	8		V V ABRA
N4	6085	POTTERY	TPW	E/Mod		BOWL	1	1				R	3		
N4	6086	POTTERY	ENPO	E/Mod		BOWL	1	1				BS	6		

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N4	6086	POTTERY	ENPO	E/Mod		DISH	1	1		UNGLAZED		R	1		
N4	6086	POTTERY	ENPO	E/Mod		PLATE	1	1		TRACES OF OVERGLAZE PATTERNS		R	2		
N4	6086	POTTERY	NOTS	E/Mod		BOWL	1	1				R	9		
N4	6086	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		ABRA
N4	6087	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	10		
N4	6088	POTTERY	ENGS	E/Mod		BOT	1	1				BS	33		
N4	6088	POTTERY	ENGS	E/Mod		JAR	1	1				BS	3		
N4	6089	POTTERY	ENGS	E/Mod		BOT	1	1				B	48		
N4	6090	POTTERY	WHITE	E/Mod		BOWL	1	1		HORIZ BANDS OF BLUE INDUSTRIAL SLIP		BS	2		
N4	6090	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	6		
N4	6091	POTTERY	NOTS	E/Mod		BOWL	1	1				BS	39		
N4	6091	POTTERY	TPW	E/Mod		TPOT	1	1				B	12		
N4	6092	POTTERY	HUM	Med		JAR	1	1				BS	4		V V ABRA
N4	6092	POTTERY	SUND	E/Mod		BOWL	1	1				BS	14		ABRA
N4	6092	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP		BS	2		
N4	6092	POTTERY	WHITE	E/Mod		PLATE	1	1				R	2		
N4	6094	POTTERY	HUM	Med		JAR	1	1				BS	5		ABRA
N4	6095	POTTERY	ENGS	E/Mod		JAR	1	1				BS	27		
N4	6096	POTTERY	ENGS	E/Mod		JAR	1	1				BS	26		
N4	6097	POTTERY	ENGS	E/Mod		BOT	2	1				B;BS	51		
N4	6097	POTTERY	NOTS	E/Mod		BOWL	1	1				BS	7		
N4	6097	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	5		
N4	6098	POTTERY	NOTS	E/Mod		JAR	1	1				B	24		
N4	6099	POTTERY	WHITE	E/Mod		BOWL	1	1				B	9		
N4	6100	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP		BS	1		
N4	6100	POTTERY	WHITE	E/Mod		JAR	1	1				BS	5		ABRA
N4	6101	POTTERY	ENGS	E/Mod		JAR	1	1				BS	6		
N4	6101	POTTERY	TPW	E/Mod		PLATE	1	1				R	3		ABRA
N4	6101	POTTERY	WHITE	E/Mod		BOWL	1	1		GREY/BLACK PAINT OVER VESSEL		R	7		
N4	6102	POTTERY	ENGS	E/Mod		MARMALADE JAR	2	2				R;BS	23		
N4	6102	POTTERY	ENPO	E/Mod		CUP	1	1				R	1		
N4	6102	POTTERY	WHITE	E/Mod		BOWL	1	1				R	6		
N4	6103	POTTERY	NOTS	E/Mod		JAR	1	1				BS	9		ABRA
N4	6104	POTTERY	WHITE	E/Mod		TPOT	1	1		BROWN GLAZE		B	5		ABRA
N4	1030	POTTERY	SLIP	E/Mod		BOWL	1	1				BS	2		
N4	1031	CBM	PMTIL	E/Mod	F14	BRICK	1	1	FABRIC 14			BS	13		
N4	1032	POTTERY	TPW	E/Mod		LID	1	1		RAISED DEC		R	7		
N4	1033	POTTERY	ENGS	E/Mod		JAR	1	1				BS	9		
N4	1034	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	10		
N4	1035	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	12		
N4	1035	POTTERY	TPW	E/Mod		PLATE	2	2				BS	3		ABRA
N4	1036	CBM	PMTIL	E/Mod	F14	BRICK	1	1				BS	17		

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N4	1036	POTTERY	TPW	E/Mod		BOWL	1	1				BS	2		
N4	1037	POTTERY	TPW	E/Mod		PLATE	1	1				BS	2		
N4	1038	POTTERY	ENPO	E/Mod		CUP	1	1				BS	2		ABRA
N4	1039	POTTERY	WHITE	E/Mod		JAR	1	1				B	17		V ABRA
N4	1040	POTTERY	ENGS	E/Mod		JAR	2	2				R;B	25		
N4	1042	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	5		
N4	1043	CBM	PMTIL	E/Mod	F18	?	1	1				BS	12		ABRA
N4	1043	POTTERY	WHITE	E/Mod		PLATE	1	1		SPONGED BLUE		BS	1		
N4	1044	POTTERY	PEAR	E/Mod		PLATE	1	1				BS	1		V ABRA
N4	1045	POTTERY	NOTS	E/Mod		JUG	1	1				H	5		
N4	1046	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	1		V ABRA
N4	1047	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	7		
N4	1048	POTTERY	PEAR	E/Mod		BOWL	1	1		HAND PAINTED WITH BLUE DESIGN		R	1		
N4	1048	POTTERY	TPW	E/Mod		BOWL	1	1				BS	1		V ABRA
N4	1048	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	2		ABRA
N4	1049	POTTERY	HUM	Med		JAR	1	1				BS	3		V V ABRA
N4	1049	POTTERY	WHITE	E/Mod		JAR	1	1				B	4		V ABRA
N4	1051	POTTERY	ENPO	E/Mod		CUP	1	1				BS	2		
N4	1051	POTTERY	PMLOC	E/Mod		FLP	1	1				R	10		
N4	1051	CBM	PMTIL	E/Mod	F20	FLAT	1	1	FABRIC 20	REDUCED CORE		BS	6		
N4	1052	POTTERY	PMLOC	E/Mod		FLP	1	1				R	3		ABRA
N4	1053	POTTERY	WHITE	E/Mod		PLATE	1	1				R	2		ABRA
N4	1054	POTTERY	ENPO	E/Mod		CUP	1	1				B	3		
N4	1054	POTTERY	GRE	E/Mod		BOWL	1	1				BS	13		ABRA
N4	1054	POTTERY	HUM	Med		JAR	1	1				BS	2		V V ABRA
N4	1054	POTTERY	NOTS	E/Mod		BOWL	1	1				R	16		
N4	1054	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	2		
N4	1054	CBM	PMTIL	E/Mod	F5	?	1	1				BS	3		V ABRA
N4	1054	POTTERY	SUND	E/Mod		BOWL	1	1				BS	9		
N4	1054	POTTERY	WHITE	E/Mod		CUP	1	1				BS	1		
N4	1056	POTTERY	ENPO	E/Mod		PLATE	1	1				R	1		
N4	1056	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	4		ABRA
N4	1057	POTTERY	BL	E/Mod		BOWL	1	1				BS	4		
N4	1058	POTTERY	ENPO	E/Mod		SMALL CUP	1	1				BS	1		
N4	1058	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	1		
N4	1058	POTTERY	TPW	E/Mod		PLATE	1	1				R	7		
N4	1058	POTTERY	WHITE	E/Mod		PLATE	1	1				R	3		
N4	1059	POTTERY	ENPO	E/Mod		CUP	1	1				BS	1		
N4	1059	POTTERY	WHITE	E/Mod		PLATE	2	2				B;BS	5		ABRA
N4	1060	POTTERY	WHITE	E/Mod		CUP	1	1				B	1		
N4	1061	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	6		
N4	1061	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	2		
N4	1062	CBM	PMTIL	E/Mod	F1	BRICK	1	1				BS	15		
N4	1063	POTTERY	WHITE	E/Mod		PLATE	1	1		STAINED BLACK		R	1		
N4	1064	POTTERY	WHITE	E/Mod		MARMALADE JAR	1	1				B	3		

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N4	1065	POTTERY	ENPO	E/Mod		OBJECT	1	1		FIGURINE STAND? ELECTRICAL BOX? BLOB OF IRON INSIDE		BS	3		
N4	1066	POTTERY	SUND	E/Mod		BOWL	1	1				BS	7		
N4	1067	POTTERY	NOTS	E/Mod		BOWL	1	1				R	21		
N4	1067	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	5		ABRA
N4	1068	POTTERY	DERBS	E/Mod		?	1	1				BS	1		
N4	1068	POTTERY	NOTS	E/Mod		JAR	1	1				BS	5		
N4	1068	CBM	PMTIL	E/Mod	F16	BRICK	1	1	FABRIC 16			BS	7		
N4	1069	POTTERY	HUM	E/Mod		JAR	1	1				BS	1		V V ABRA
N4	1070	POTTERY	TPW	E/Mod		PLATE	2	2				B	7		
N4	1071	CBM	PMTIL	E/Mod	F10	FLAT	1	1				BS	51		
N4	1072	POTTERY	HUM	Med		JAR/JUG	1	1		THUMBED BASE		B	45		V V ABRA
N4	1073	POTTERY	HUM	Med		JAR	1	1				BS	6		V V ABRA
N4	1074	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	6		ABRA
N4	1075	POTTERY	HUM	Med		JAR	1	1				B	9		V V ABRA
N4	1075	CBM	PMTIL	E/Mod	F27	AIRBRICK	1	1				BS	16		
N4	1076	POTTERY	NOTS	E/Mod		JAR	1	1				BS	3		
N4	1076	CBM	PMTIL	E/Mod	F15	FLAT	1	1				BS	6		
N4	1076	POTTERY	WHITE	E/Mod		JUG	1	1		BLUE SPONGING		BS	3		
N4	1077	POTTERY	ENPO	E/Mod		EGG CUP? SMALL CUP?	1	1				BS	5		
N4	1077	POTTERY	PEAR	E/Mod		PLATE	1	1				BS	2		
N4	1077	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	3		
N4	1077	POTTERY	TPW	E/Mod		PLATE	1	1				BS	2		
N4	1078	POTTERY	ENGS	E/Mod		MARMALADE JAR	2	2				R	26		
N4	1078	POTTERY	ENPO	E/Mod		CUP	1	1				B	6		
N4	1078	POTTERY	HUM	Med		JAR	1	1				BS	6		V V ABRA
N4	1078	POTTERY	NOTS	E/Mod		BOWL	1	1				B	9		
N4	1079	POTTERY	GRE	Pmed		BOWL	1	1				BS	5		V V ABRA
N4	1079	POTTERY	WHITE	E/Mod		JUG	1	1				B	15		
N4	1080	POTTERY	HUM	Med		JAR	1	1				B	35		V V ABRA
N4	1080	POTTERY	SUND/SLIP	E/Mod		BOWL	1	1		WHITE SLIP		R	16		
N4	1081	POTTERY	NOTS	E/Mod		BOWL	1	1				BS	19		
N4	1081	POTTERY	TPW	E/Mod		PLATE	1	1				R	3		
N4	1082	CBM	PMTIL	E/Mod	F6	BRICK	1	1				BS	6		
N4	1082	POTTERY	SUND	E/Mod		BOWL	1	1				R	20		
N4	1083	POTTERY	ENPO	E/Mod		CUP	1	1				BS	1		
N4	1083	POTTERY	WHITE	E/Mod		JAR	1	1				B	30		ABRA
N4	1084	POTTERY	ENGS	E/Mod		JAR	1	1				R	11		
N4	1084	CBM	PMTIL	E/Mod	F6	BRICK	1	1				BS	9		
N4	1085	POTTERY	CREA	E/Mod		PLATE	1	1				BS	2		
N4	1085	POTTERY	HUM	Med		JAR	1	1				BS	8		V V ABRA
N4	1087	POTTERY	HUM	Med		JAR	1	1				B	6		V V ABRA
N4	1088	CBM	PMTIL	E/Mod	F3	PANT?	1	1	FABRIC 3			BS	8		V ABRA
N4	1088	CBM	PMTIL	E/Mod	F4	FLAT	1	1				BS	8		
N4	1089	POTTERY	HUM	Med		JAR	1	1				BS	4		V V ABRA
N4	1090	POTTERY	ENGS	E/Mod		JAR	1	1				BS	3		

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N4	1090	CBM	PMTIL	E/Mod	F18	FLAT	1	1				BS	8		ABRA
N4	1091	POTTERY	HUM	Med		JAR	1	1				BS	11		ABRA
N4	1091	CBM	PMTIL	E/Mod	F15	?	1	1				BS	1		
N4	1092	CBM	PMTIL	E/Mod	F15	?	1	1				BS	1		
N4	1092	CBM	PMTIL	E/Mod	F18	?	1	1				BS	2		ABRA
N4	1092	CBM	PMTIL	E/Mod	F6	BRICK	1	1				BS	19		
N4	1093	POTTERY	CHPO	E/Mod		BOWL	1	1		OVERGLAZE ENAMEL		BS	4		
N4	1093	POTTERY	PEAR	E/Mod		PLATE	1	1				B	12		ABRA
N4	1094	POTTERY	GRE	E/Mod		PANC	1	1				BS	9		V ABRA
N4	1094	CBM	PMTIL	E/Mod	F1	BRICK	1	1				BS	6		ABRA
N4	1094	CBM	PMTIL	E/Mod	F18	FLAT	1	1	FABRIC 18			BS	16		V ABRA
N4	1095	POTTERY	HUM	Med		JAR	1	1				BS	2		V V ABRA
N4	1095	CBM	PMTIL	E/Mod	F18	?	1	1				BS	3		
N4	1096	CBM	PMTIL	E/Mod	F15	FLAT	1	1				BS	4		
N4	1097	CBM	PMTIL	E/Mod	F19	?	1	1	FABRIC 19			BS	4		
N4	1097	CBM	PMTIL	E/Mod	F6	BRICK	1	1				BS	3		
N4	1098	POTTERY	HUM	Med		JUG	1	1				BS	25		V V ABRA
N4	1098	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	8		
N4	1099	CBM	PMTIL	E/Mod	F18	FLAT	2	2				BS	14		V ABRA
N4	1100	CBM	PMTIL	E/Mod	F10	FLAT	1	1				BS	5		
N4	1100	CBM	PMTIL	E/Mod	F18	FLAT	1	1				BS	8		ABRA
N4	1101	POTTERY	PEAR	E/Mod		PLATE	2	2				B	2		
N4	1101	CBM	PMTIL	E/Mod	F17	FLAT	1	1	FABRIC 17			BS	28		ABRA
N4	1101	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	7		
N4	1102	POTTERY	ENGS	E/Mod		JAR	1	1				BS	7		
N4	1102	POTTERY	ENGS	E/Mod		JAR	1	1				R	23		
N4	1102	POTTERY	WHITE	E/Mod		PLATE	1	1				B	10		ABRA
N4	1104	POTTERY	HUM	Med		JUG/JAR	1	1				BS	4		ABRA
N4	1106	POTTERY	HUM	Med		JAR	1	1				BS	1		V V ABRA
N4	1106	POTTERY	NOTS	E/Mod		JAR	1	1				BS	7		
N4	1107	POTTERY	ENPO	E/Mod		STAND	1	1		DECORATIVE POT STAND?		BS	10	WEAR ON BASE	
N4	1107	POTTERY	NOTS	E/Mod		BOWL	1	1				BS	12		
N4	1109	POTTERY	ENGS	E/Mod		JAR?	1	1		'.S' OVER 'PINT'		BS	119		
N4	1109	POTTERY	WHITE	E/Mod		PLATE	1	1				B	8		ABRA
N4	1110	POTTERY	GRE	Pmed		BOWL	1	1				BS	6		V ABRA
N4	1110	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	1		
N5	5097	POTTERY	CREA	E/Mod		PLATE	1	1				R	2		ABRA
N5	5097	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	6		
N5	5098	CBM	PMTIL	E/Mod	F4	FLAT	1	1				BS	20		
N5	5098	CBM	PMTIL	E/Mod	F9	BRICK	1	1	FABRIC 9			BS	105		
N5	5099	POTTERY	BL	Pmed		?	1	1				BS	2		V ABRA
N5	5101	CBM	PMTIL	E/Mod	F7	FLAT	1	1				BS	55		
N5	5102	POTTERY	TPW	E/Mod		PLATE	1	1				R	3		
N5	5103	CBM	PMTIL	E/Mod	F10	FLAT	1	1	FABRIC 10			BS	15		
N5	5104	CBM	PMTIL	E/Mod	F3	PANT	1	1				BS	14		
N5	5105	POTTERY	ENPO	E/Mod		BOWL	1	1				R	1		
N5	5106	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	9		

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N5	5107	POTTERY	ENGS	E/Mod		JAR	1	1				BS	18		
N5	5108	POTTERY	WHITE	E/Mod		BOWL	2	1				BS	14		
N5	5109	POTTERY	TPW	E/Mod		PLATE	1	1				BS	6		ABRA
N5	5110	POTTERY	TPW	E/Mod		PLATE	1	1				R	4		
N5	5111	POTTERY	LPMX	E/Mod		BOWL	1	1		THICK WHITE SLIP, BLUE SPONGING AND GLAZE		BS	9		
N5	5111	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP		BS	2		ABRA
N5	5112	POTTERY	WHITE	E/Mod		CUP	1	1				H	3		
N5	5112	POTTERY	WHITE	E/Mod		MARMALADE JAR	1	1				B	17		ABRA
N5	5113	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	8		ABRA
N5	6106	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	53		
N5	6107	POTTERY	TPW	E/Mod		PLATE	1	1				R	2		
N5	6109	POTTERY	TPW	E/Mod		CUP	1	1				BS	2		
N5	6109	POTTERY	TPW	E/Mod		PLATE	2	2				BS	4		ABRA
N5	6110	POTTERY	TPW	E/Mod		PLATE	1	1				R	3		
N5	6111	POTTERY	NOTS	E/Mod		BOWL	1	1		STAMPS, ROULETTING AND INSCRIBED LINES		BS	12		
N5	6112	POTTERY	PEAR	E/Mod		PLATE	1	1		SPONGING		BS	1		
N5	6112	POTTERY	WHITE	E/Mod		CUP	1	1				B	8		
N5	6113	POTTERY	ENGS	E/Mod		JAR	1	1				B	23		
N5	6114	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	4		
N5	6114	POTTERY	TPW	E/Mod		PLATE	1	1				R	6		
N5	6116	POTTERY	BERTH	Pmed		?	1	1				BS	1		
N5	6116	POTTERY	ENPO	E/Mod		CUP	1	1				R	1		
N5	6116	POTTERY	WHITE	E/Mod		LARGE BOWL	1	1				R	21		
N5	6118	CBM	MODTIL	E/Mod		WALT	1	1		WHITE GLAZE		BS	19		
N5	6119	POTTERY	ENPO	E/Mod		PLATE	1	1				BS	1		
N5	6119	POTTERY	TPW	E/Mod		PLATE	1	1				B	5		
N5	6119	POTTERY	WHITE	E/Mod		SINK	1	1				BS	14		ABRA
N5	6120	POTTERY	ENPO	E/Mod		PLATE	1	1				BS	4		
N5	6120	POTTERY	WHITE	E/Mod		JAR	1	1				BS	3		
N5	6120	POTTERY	WHITE	E/Mod		JAR/VASE	1	1		MOULDED DEC EXT		BS	5		
N5	6122	POTTERY	TPW	E/Mod		CUP	1	1				H;BS	3		
N5	6122	POTTERY	TPW	E/Mod		PLATE	2	2				BS	8		ABRA
N5	6123	POTTERY	TPW	E/Mod		PLATE	2	2				BS	8		
N5	6124	POTTERY	WHITE	E/Mod		BOWL	1	1				R	10		
N5	6124	POTTERY	WHITE	E/Mod		CUP	1	1				R	1		
N5	6126	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	6		
N5	6126	POTTERY	WHITE	E/Mod		SAUCER	1	1				B	3		
N5	6127	POTTERY	ENGS	E/Mod		JAR	1	1				BS	7		
N5	6127	POTTERY	ENPO	E/Mod		CUP	1	1				B	4		
N5	6127	POTTERY	ENPO	E/Mod		PLATE	1	1				R	2		
N5	1111	POTTERY	TGW	Pmed		PLATE	1	1				BS	2		ABRA
N5	1112	POTTERY	ENPO	E/Mod		BOWL	1	1				R	4		
N5	1112	POTTERY	ENPO	E/Mod		PLATE	1	1				R	2		
N5	1113	POTTERY	TPW	E/Mod		PLATE	1	1				BS	3		ABRA
N5	1114	CBM	PMTIL	E/Mod	F5	?	1	1				BS	5		V ABRA

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N5	1116	POTTERY	PEAR	E/Mod		BOWL	1	1				B	31		ABRA
N5	1116	CBM	PMTIL	E/Mod	F5	FLAT	2	2				BS	7		
N5	1117	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				R	21		
N5	1117	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	1		
N5	1117	CBM	PMTIL	E/Mod	F3	?	1	1				BS	5		V ABRA
N5	1118	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		ABRA
N5	1118	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	1		ABRA
N5	1119	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	52		
N5	1119	CBM	PMTIL	E/Mod	F7	FLAT	1	1				BS	26		ABRA
N5	1119	POTTERY	TGW	Pmed		PLATE	1	1				R	2		ABRA
N5	1120	POTTERY	PEAR	E/Mod		PLATE	1	1				BS	7		
N5	1120	CBM	PMTIL	E/Mod	F3	?	1	1				BS	9		V ABRA
N5	1120	CBM	PMTIL	E/Mod	F7	FLAT	1	1				BS	85		
N5	1121	POTTERY	CHPO	E/Mod		VASE	1	1		SPONGED DEC		BS	4		
N5	1121	CBM	PMTIL	E/Mod	F11	FLAT?	1	1				BS	19		
N5	1121	CBM	PMTIL	E/Mod	F11	BRICK	1	1	FABRIC 11			BS	2		
N5	1121	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	2		
N5	1122	CBM	PMTIL	E/Mod	F3	FLAT	1	1				BS	17		V ABRA
N6	5114	POTTERY	WHITE	E/Mod		PLATE	1	1				R	19		
N6	5115	POTTERY	WHITE	E/Mod		BOWL?	1	1		INDUSTRIAL GREEN SLIP INT/EXT		BS	1		
N6	5116	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	14		
N6	5116	CBM	PMTIL	E/Mod	F3	PANT	1	1				BS	4		
N6	5117	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N6	5117	POTTERY	WHITE	E/Mod		TPOT	1	1		CAULIFLOWER		BS	3		
N6	5118	POTTERY	TPW	E/Mod		PLATE	1	1				BS	3		
N6	5119	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		ABRA
N6	5119	POTTERY	WHITE	E/Mod		PLATE	1	1				B	10		ABRA
N6	5120	POTTERY	TPW	E/Mod		PLATE	1	1				B	4		
N6	5121	POTTERY	ENPO	E/Mod		CUP	1	1				B	2		
N6	5122	CBM	PMTIL	E/Mod	F3	FLAT	1	1				BS	25		
N6	5123	POTTERY	ENPO	E/Mod		CUP	1	1				R	1		
N6	5124	POTTERY	PMLOC	E/Mod		FLP	1	1				R	3		
N6	5125	POTTERY	GRE	Pmed		BOWL	1	1				R	8		V ABRA
N6	5127	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	46		
N6	5128	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	2		ABRA
N6	5129	POTTERY	WHITE	E/Mod		BOWL	1	1		BLUE AND BLACK INDUST SLIP IN BANDS		BS	5		
N6	5130	POTTERY	ENPO	E/Mod		CUP	1	1		MOULDED LEAF DEC		H;BS	5		
N6	5130	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	1		ABRA
N6	5130	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N6	5131	POTTERY	BL	Pmed		PANC	1	1				BS	19		ABRA
N6	5132	POTTERY	TPW	E/Mod		BOWL	1	1				BS	3		
N6	5134	POTTERY	HUM	Med		JAR/JUG	1	1				BS	13		
N6	5134	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	16		
N6	5136	POTTERY	WHITE	E/Mod			1	1		BROWN GLAZE		BS	3		
N6	5137	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	36		ABRA
N6	5138	CBM	PMTIL	E/Mod	F3	FLAT	1	1				BS	67		

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N6	5139	POTTERY	WHITE	E/Mod		JAR	1	1				BS	8		ABRA
N6	1123	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	1		V ABRA
N6	1123	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		ABRA
N6	1123	POTTERY	WHITE	E/Mod		CUP	1	1				BS	1		
N6	1125	CBM	PMTIL	E/Mod	F7	FLAT	1	1	FABRIC 7	REDUCED CORE		BS	34		ABRA
N6	1126	CBM	MODTIL	E/Mod	F8	PANT	1	1	FABRIC 8			BS	20		
N6	1126	CBM	PMTIL	E/Mod	F7	FLAT	1	1				BS	22		
N6	1127	POTTERY	DERBS	E/Mod		JAR	1	1				R	30		
N6	1128	POTTERY	HUM	Med		JAR	1	1				BS	39		V ABRA
N6	1129	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	73		
N6	1129	POTTERY	WHITE	E/Mod		CUP	1	1				B	6		
N6	1130	POTTERY	BL	Pmed		PANC	1	1				R	30		V ABRA
N6	1130	POTTERY	GRE	Pmed		BOWL	1	1				BS	8		V V ABRA
N6	1130	POTTERY	WHITE	E/Mod		?	1	1				BS	1		
N6	1131	POTTERY	TPW	E/Mod		PLATE	2	2				R;BS	12		ABRA
N6	1132	CBM	PMTIL	E/Mod	F6	BRICK	1	1	FABRIC 6			BS	4		
N6	1132	POTTERY	WHITE	E/Mod		PLATE	1	1				B	6		ABRA
N6	1133	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	2		
N6	1135	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	23		
N6	1136	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	8		
N6	1137	POTTERY	WHITE	E/Mod		LARGE BOWL	2	1				BS	15		
N6	1138	CBM	PMTIL	E/Mod	F4	FLAT	1	1				BS	19		
N6	1139	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	20		
N6	1140	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	22		
N6	1142	CBM	PMTIL	E/Mod	F5	FLAT	1	1	FABRIC 5			BS	45		ABRA
N6	1143	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	22		ABRA
N6	1144	CBM	PMTIL	E/Mod	F3	FLAT?	1	1				BS	3		
N6	1144	CBM	RTIL	Rom	FINE UNTEMPERED WITH OCC R FE, R CALCAREOUS AND FESST <1.0MM	BRICK	1	1				BS	13		VABR
N9	5140	CBM	PMTIL	E/Mod	F2	BRICK	1	1	FABRIC 2			BS	366		OVERFIRED
N9	5141	CBM	PMTIL	E/Mod	F4	PANT	1	1	FABRIC 4			BS	29		
N9	5143	POTTERY	SLIP	Pmed		BOWL	1	1				B	29		V ABRA
N9	5143	POTTERY	TPW	E/Mod		CUP	1	1				BS	1		
N9	5144	CBM	PMTIL	E/Mod	F7	FLAT?	1	1		FINGER MARKS DRAWN ONE WAY AND THEN THE OTHER		BS	107		
N9	5145	POTTERY	TPW	E/Mod		PLATE	1	1				B	4		ABRA
N9	5146	POTTERY	PEAR	E/Mod		BOWL	1	1				B	4		
N9	5147	POTTERY	BL	Pmed		LARGE PANC	1	1				BS	73		ABRA
N9	5148	POTTERY	TPW	E/Mod		PLATE	1	1				R	4		ABRA
N9	6128	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				R	5		

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N9	6128	POTTERY	SLIP	Pmed		BOWL	1	1				BS	2		ABRA
N9	6129	POTTERY	ENGS	E/Mod		JAR	1	1				BS	17		ABRA
N9	6129	POTTERY	PEAR	E/Mod		BOWL	1	1				B	11		ABRA
N9	6129	POTTERY	TPW	E/Mod		BOWL	1	1				BS	4		
N9	6130	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	241		
N9	6130	POTTERY	TPW	E/Mod		PLATE	2	2				BS	8		ABRA
N9	6131	POTTERY	BLUE	E/Mod		TPOT	1	1		MOULDED DEC		BS	3		
N9	6131	POTTERY	WHITE	E/Mod		BOWL	1	1				B	6		
N9	6132	POTTERY	ENGS	E/Mod		JAR	1	1				BS	1		
N9	6133	POTTERY	NCBW	E/Mod		BOWL	1	1				BS	2		
N9	6133	POTTERY	NCBW	E/Mod		JUG	1	1				H	10		
N9	6134	POTTERY	ENPO	E/Mod		PLATE	2	2				B;BS	12		ABRA
N9	6135	POTTERY	ENGS	E/Mod		JAR	1	1				BS	9		
N9	1146	POTTERY	NCBW	E/Mod		BOWL	1	1				R	3		
N9	1146	CBM	PMTIL	E/Mod	F1	BRICK	1	1				BS	20		
N9	1147	POTTERY	PEAR	E/Mod		BOWL	1	1				BS	3		ABRA
N9	1147	CBM	PMTIL	E/Mod	F1	BRICK	1	1	FABRIC 1			BS	291		
N9	1147	POTTERY	WHITE	E/Mod		CUP	1	1				BS	2		
N9	1148	POTTERY	ENPO	E/Mod		PLATE	1	1				BS	2		
N9	1148	POTTERY	HUM	Med		DJ	1	1				BS	3		V ABRA
N9	1149	POTTERY	GRE	Pmed		PANC	1	1				BS	37		V ABRA
N9	1150	POTTERY	GRE	Pmed		BOWL	1	1				BS	4		V ABRA
N10	1151	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	2		
N10	1152	CBM	PMTIL	E/Mod	F6	?	1	1				BS	6		
N10	1153	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	3		
N10	1154	CBM	PMTIL	E/Mod	F5	FLAT	1	1				BS	27		ABRA
N10	1155	POTTERY	TPW	E/Mod		PLATE	1	1				BS	2		
N10	1156	POTTERY	NOTS	E/Mod		JAR	1	1				B	41		ABRA
N10	1156	POTTERY	TPW	E/Mod		CUP	1	1				BS	1		ABRA
N10	1157	CBM	PMTIL	E/Mod	F22	?	1	1				BS	2		
N10	1158	POTTERY	STRE	Pmed		PANC	1	1		WHITE SLIP		B	19		ABRA
N10	1159	POTTERY	ENGS	E/Mod		JAR	1	1				B	45		
N10	1160	CBM	PMTIL	E/Mod	F6	?	1	1				BS	1		ABRA
N10	1161	POTTERY	HUM	Med		JUG/JAR	1	1				BS	16		ABRA
N10	1163	POTTERY	CSTN	Pmed		CUP	1	1				BS	2		ABRA
N10	1164	CBM	PMTIL	E/Mod	F22	PANT	1	1				BS	36		ABRA
N10	1164	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	1		ABRA
N10	1165	POTTERY	PMLOC	E/Mod		FLP	1	1				R	3		
N10	1166	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP		BS	2		ABRA
N10	1167	POTTERY	NCBW	E/Mod		BOWL	1	1				BS	6		ABRA
N10	1168	POTTERY	ENGS	E/Mod		JAR	1	1				BS	3		
N10	1168	POTTERY	NOTS	E/Mod		JAR	1	1				B	112		
N10	5149	POTTERY	ENPO	E/Mod		PLATE	1	1				BS	2		
N10	5150	CBM	PMTIL	E/Mod	F26	BRICK	1	1	FABRIC 26			BS	86		
N10	5151	POTTERY	ENGS	E/Mod		PANC	1	1				BS	32		ABRA
N10	5152	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUSTRIAL BLUE SLIP		BS	1		
N10	5153	POTTERY	BL	Pmed		JUG	1	1				H	12		ABRA
N10	5154	POTTERY	NOTS	E/Mod		BOWL	1	1				BS	12		ABRA
N10	5155	CBM	PMTIL	E/Mod	F18	FLAT?	1	1				BS	16		ABRA

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N10	5156	POTTERY	PEAR	E/Mod		JAR	1	1				B	6		
N10	5158	POTTERY	BL	Pmed		PANC	1	1				BS	5		ABRA
N10	5158	POTTERY	GRE	Pmed		PANC	1	1				BS	47		V ABRA
N10	5159	CBM	PMTIL	E/Mod	F15	PANT	1	1				BS	14		
N10	5160	POTTERY	ENPO	E/Mod		TPOT	1	1				SPOUT	8		
N10	5161	CBM	PMTIL	E/Mod	F18	PANT	1	1				BS	76		
N10	5162	POTTERY	BL	Pmed		JAR	1	1				BS	1		
N10	5163	POTTERY	ENGS	E/Mod		JAR	1	1				BS	7		ABRA
N10	5164	POTTERY	TPW	E/Mod		MARMALADE JAR	1	1		'...MALAD..'		BS	3		ABRA
N10	5165	POTTERY	PEAR	E/Mod		LID	1	1		HAND PAINTED BLUE LINES		R	2		
N10	5166	POTTERY	ENPO	E/Mod		PLATE	1	1				B	4		ABRA
N10	5167	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N10	5168	POTTERY	ENPO	E/Mod		?	1	1				BS	1		
N10	5169	CBM	PMTIL	E/Mod	F24	BRICK?	1	1				BS	1		
N10	5170	POTTERY	NOTS	E/Mod		JAR	1	1				B	29		
N10	5171	POTTERY	STRE	Pmed		PANC	1	1		WHITE SLIP		BS	51		V ABRA
N10	5172	POTTERY	STRE	Pmed		PANC	1	1		WHITE SLIP		BS	49		V ABRA
N10	6136	POTTERY	BERTH	Pmed		?	1	1				BS	4		
N10	6137	CBM	PMTIL	E/Mod	F13	BRICK	1	1		REDUCED CORE		BS	209		ABRA
N10	6138	POTTERY	BL	Pmed		JAR	1	1				BS	1		
N10	6138	POTTERY	NOTS	E/Mod		JUG	1	1				H	3		
N10	6139	POTTERY	HUM	Med		JUG	1	1				H	47		V ABRA
N10	6141	POTTERY	TPW	E/Mod		PLATE	1	1				B	7		
N10	6142	POTTERY	ENPO	E/Mod		PLATE	1	1				B	4		ABRA
N10	6143	CBM	PMTIL	E/Mod	F22	FLAT	1	1		REDUCED THROUGHOUT AND VITRIFIED SURFACES		BS	25		
N10	6144	POTTERY	TPW	E/Mod		MARMALADE JAR	1	1				BS	2		
N10	6145	POTTERY	IAERR	Preh		JAR	1	1		SHOULDER AND START OF NECK;CRUDELY SMOOTHED EXT AND INT		BS	32	SOOTED EXT	FRESH
N10	6146	POTTERY	ENPO	E/Mod		PLATE	2	2				R;B	6		
N10	6146	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	2		ABRA
N10	6147	CBM	PMTIL	E/Mod	F28	FLAT	1	1				BS	11		
N10	6148	POTTERY	ENPO	E/Mod		PLATE	1	1				B	4		
N10	6148	POTTERY	TPW	E/Mod		BOWL	1	1				BS	5		
N10	6149	CBM	PMTIL	E/Mod	F1	BRICK	1	1		REDUCED EXTERIOR; VITRIFIED SURFACES AND ALONG ONE BREAK		BS	117		BURNT
N10	6149	POTTERY	TPW	E/Mod		PLATE	1	1				R	5		ABRA
N10	6150	POTTERY	TPW	E/Mod		BOWL	1	1				R	1		ABRA
N10	6156	POTTERY	TPW	E/Mod		JAR	1	1		'MEDA..' 'LOND..'		BS	15		
N10	6157	POTTERY	TPW	E/Mod		PLATE	2	2				BS	3		
N10	6158	POTTERY	NCBW	E/Mod		BOWL	1	1				BS	10		ABRA
N10	6159	POTTERY	CREA	E/Mod		PLATE	1	1				BS	1		
N10	6159	POTTERY	ENPO	E/Mod		CUP	1	1		TRANSFER PRINTING		BS	2		

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N10	6159	POTTERY	TPW	E/Mod		PLATE	2	2				BS	5		
N10	6160	POTTERY	PEAR	E/Mod		?	1	1				BS	1		ABRA
N10	6160	POTTERY	PEAR	E/Mod		JUG	1	1				R	22		ABRA
N10	6160	POTTERY	WHITE	E/Mod		JAR	1	1		'NEW..' IMPRESSED IN BASE		B	42		ABRA
N10	6161	POTTERY	HUM	Med		JAR	1	1				BS	6		ABRA
N10	6183	CBM	PMTIL	E/Mod	F18	PANT	1	1				BS	72		ABRA
N11	1169	CBM	PMTIL	E/Mod	F19	?	1	1				BS	1		
N11	1170	POTTERY	SLIP	Pmed		BOWL	1	1				R	4		V ABRA
N11	1171	POTTERY	ENGS	E/Mod		TOILET BOWL	1	1				R	74		
N11	1173	CBM	PMTIL	E/Mod	F6	BRICK	1	1				BS	35		
N11	1173	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	2		ABRA
N11	5174	CBM	PMTIL	E/Mod	F18	?	1	1				BS	9		V ABRA
N11	5175	CBM	PMTIL	E/Mod	F27	AIRBRICK	1	1				BS	80		ABRA
N11	5176	CBM	PMTIL	E/Mod	F11	FLAT?	1	1				BS	3		
N11	5178	POTTERY	ENPO	E/Mod		CUP	1	1				B	4		
N11	5179	POTTERY	HUM	Med		JUG	1	1				H	56		V V ABRA
N11	6162	POTTERY	WHITE	E/Mod		?	1	1				BS	1		ABRA
N11	6164	POTTERY	ENPO	E/Mod		?	1	1		UNGLAZED		BS	1		
N11	6165	CBM	PMTIL	E/Mod	F27	AIRBRICK	1	1	FABRIC 27			BS	136		ABRA
N11	6166	POTTERY	TPW	E/Mod		PLATE	1	1				BS	3		ABRA
N12	1174	POTTERY	BBAS	E/Mod		JUG	1	1		UNGLAZED		H	14		
N12	1175	POTTERY	ENPO	E/Mod		PLATE	1	1				R	1		
N12	1176	CBM	PMTIL	E/Mod	F4	PANT	1	1				BS	30		SOOTED UPPER SURFACE
N12	5180	POTTERY	ENGS	E/Mod		MARMALADE JAR	1	1				BS	13		
N12	5181	POTTERY	NOTS	E/Mod		JAR	1	1				B	14		
N12	5181	CBM	PMTIL	E/Mod	F27	AIRBRICK	1	1				BS	11		
N12	5182	POTTERY	TPW	E/Mod		BOWL	1	1				BS	11		V ABRA
N12	6168	POTTERY	HUM	Med		JUG	1	1				BS	2		V ABRA
N12	6170	POTTERY	TPW	E/Mod		PLATE	1	1				R	2		ABRA
N13	1178	POTTERY	GRE	Pmed		BOWL	2	1				BS	6		V ABRA
N13	1179	CBM	PMTIL	E/Mod	F6	BRICK?	1	1				BS	1		ABRA
N13	1180	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	18		
N13	1181	CBM	MODTIL	E/Mod	F23	PANT	1	1	FABRIC 23			BS	78		
N13	1182	CBM	MODTIL	E/Mod	F24	?	1	1	FABRIC 24			BS	9		
N13	1184	POTTERY	HUM?	Med		JUG	1	1		ID? MIGHT BE MUCH EARLIER VESSEL E.G. ESAX OR IA?		BS	3		
N13	1185	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUST BLUE GLAZE EXT		BS	2		
N13	5184	POTTERY	BL	Pmed		BOWL	1	1				R	5		
N13	5186	POTTERY	ENGS	E/Mod		JAR	1	1				BS	10		
N13	5186	POTTERY	WHITE	E/Mod		BOWL	1	1		INDUST BLUE GLAZE EXT		BS	6		
N13	5187	POTTERY	WHITE	E/Mod		PLATE	1	1				BS	3		
N13	5188	STONE	STONE	ND	FINE-GRAINED BASIC WITH	GEO	1	1		HAS L-SHAPE WITH RECT CROSS SECTION		BS	406		WORN AND IRON-

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
					VEIN/COUNTRY ROCK OF MEDIUM-GRAINED ACID IGNEOUS					BUT THIS IS FORTUITOUS					STAINED
N13	6171	POTTERY	STSL	E/Mod		DISH	1	1				B	5		
N13	6177	CBM	PMTIL	E/Mod	F13	BRICK	1	1		REDUCED CORE		BS	403		ABRA; BLOATED
N13	6178	CBM	PMTIL	E/Mod	F13	BRICK	1	1		REDUCED CORE		BS	468		ABRA; BLOATED
N13	6179	POTTERY	SWSG	Pmed		?	1	1				BS	1		
N13	7001	CBM	PMTIL	E/Mod	F3	FLAT?	1	1				BS	1		ABRA
N13	7002	CBM	PMTIL	E/Mod	F14	BRICK?	1	1				BS	1		ABRA
N13	7003	CBM	PMTIL	E/Mod	F22	?	1	1				BS	31		ABRA
N13	7005	CBM	MODTIL	E/Mod	F8	PANT	1	1		VITRIFIED LOWER FACE		BS	25		BURNT ON UNDER FACE
N13	7006	POTTERY	BL	Pmed		JUG	1	1				H	12		
N13	7006	CBM	PMTIL	E/Mod	F22	FLAT?	1	1				BS	5		ABRA
N13	7006	CBM	PMTIL	E/Mod	F25	PANT	1	1	FABRIC 25			BS	63		
N13	7008	CBM	PMTIL	E/Mod	F18	FLAT?	1	1				BS	2		ABRA
N14	1186	POTTERY	STSL	E/Mod		CUP	1	1		FLARING RIM; MARBLED SLIP INT		R	2		ABRA
N14	1187	CBM	PMTIL	E/Mod	F28	PANT	1	1				BS	14		
N14	1187	POTTERY	RPOT	Rom	GREY	JAR	1	1				BS	3		VABR
N14	5190	POTTERY	STMO	Pmed		BOWL	1	1				BS	6		
N14	6181	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N14	6183	POTTERY	TPW	E/Mod		PLATE	1	1				BS	1		
N14	6184	POTTERY	IPS	MSax		JAR	1	1	DR;TS;ICPS	ROLLED-OUT ROUNDED RIM		R	15		ABR
N14	6187	POTTERY	NCBW	E/Mod		BOWL	1	1		WHITE SLIP INT		R	5		
N14	6187	CBM	PMTIL	E/Mod	F29	BRICK	1	1		REDUCED CORE		BS	171		ABRA
N14	7011	CBM	PMTIL	E/Mod	F28	PANT	1	1				BS	26		
N14	7012	CBM	PMTIL	E/Mod	F29	BRICK	1	1		REDUCED CORE		BS	22		ABRA
N14	7013	CBM	PMTIL	E/Mod	F1	BRICK	1	1				BS	4		ABRA
N14	7013	CBM	PMTIL	E/Mod	F2	BRICK	1	1				BS	21		
N14	7014	CBM	PMTIL	E/Mod	F25	PANT	1	1				BS	40		
N14	7015	CBM	PMTIL	E/Mod	F4	PANT	1	1				BS	55		
N15	1189	POTTERY	ENGS	E/Mod		JAR	1	1				BS	14		
N15	1189	CBM	PMTIL	E/Mod	F18	?	1	1				BS	2		ABRA
N15	1190	CBM	PMTIL	E/Mod	F29	PANT	1	1				BS	22		
N15	1192	CBM	PMTIL	E/Mod	F2	PANT	1	1		REDUCED CORE		BS	25		
N15	5191	CBM	PMTIL	E/Mod	F29	BRICK	1	1				BS	52		
N15	5192	CBM	PMTIL	E/Mod	F2	PANT	1	1		REDUCED CORE		BS	19		
N15	6188	STONE	STONE	E/Mod	MICACEOUS SST	HONE	1	1		CIRCULAR CROSS-SECTION		BS	43		FRESH
N15	6189	POTTERY	ENPO	E/Mod		BOWL	1	1		MOULDED DEC		BS	3		
N15	7016	CBM	PMTIL	E/Mod	F1	PANT	1	1				BS	6		
N15	7018	CBM	PMTIL	E/Mod	F4	PANT	1	1				BS	13		

Plot	Context	Class	Cname	Date	Subfabric	Form	Nosh	NoV	Action	Description	Date	Part	Weight	Use	Condition
N15	7019	CBM	PMTIL	E/Mod	F15	PANT	1	1				BS	52		
N15	7019	CBM	PMTIL	E/Mod	F27	AIRBRICK	1	1				BS	47		ABRA
N15	7020	CBM	PMTIL	E/Mod	F29	BRICK	1	1				BS	31	SOOTED EXT	
N16	1194	CBM	PMTIL	E/Mod	F18	?	1	1				BS	2		ABRA
N16	1194	CBM	PMTIL	E/Mod	F3	FLAT	1	1				BS	34		ABRA
N16	1195	CBM	PMTIL	E/Mod	F18	PANT	1	1				BS	18		
N16	1197	POTTERY	NCBW	E/Mod		BOWL	1	1		WHITE SLIP INT		BS	21		
N16	5193	CBM	PMTIL	E/Mod	F29	BRICK	1	1	FABRIC 29			BS	287		
N16	5194	POTTERY	WHITE	E/Mod		PLATE	1	1				B	12		ABRA
N16	6192	POTTERY	CREA	E/Mod		?	1	1				BS	1		
N16	7022	CBM	PMTIL	E/Mod	F15	PANT	1	1				BS	25		
N16	7023	CBM	PMTIL	E/Mod	F29	BRICK	2	2				BS	26		
N16	7024	CBM	PMTIL	E/Mod	F15	FLAT	1	1				BS	41		
N16	7024	CBM	PMTIL	E/Mod	F29	BRICK	1	1				BS	5		
N16	7025	CBM	PMTIL	E/Mod	F15	PANT	1	1				BS	13		
N16	7025	CBM	PMTIL	E/Mod	F18	PANT?	1	1				BS	28		
N16	7026	CBM	PMTIL	E/Mod	F29	BRICK	1	1				BS	45		
N16	7026	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	4		
N17	1198	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	6		ABRA
N17	1199	CBM	PMTIL	E/Mod	F6	?	1	1				BS	1		
N17	1200	CBM	PMTIL	E/Mod	F16	BRICK	1	1				BS	40		
N17	6200	POTTERY	BERTH	Pmed		JAR	1	1				BS	4		ABRA
N17	6201	POTTERY	PMLOC	E/Mod		FLP	1	1				BS	6		
N17	7027	POTTERY	HUM	Med		JUG/JAR	1	1		BROWN GLAZE		BS	13		ABRA
N17	7028	CBM	PMTIL	E/Mod	F28	PANT	1	1	FABRIC 28			BS	81		
N17	7029	POTTERY	WHITE	E/Mod		BOWL	1	1				BS	5		

Assessment of the Flint

Tania Wilson

A total of 20 struck flint artefacts were recovered during the fieldwalking survey of the proposed route for the Sproatley to Aldbrough pipeline. A number of natural unmodified pieces (37) were collected, in addition to one piece of burnt unmodified flint. Struck and unmodified flint was recovered from some 15 areas along the route of the pipeline.

The assemblage has been catalogued in detail, with attributes such as the raw material, condition, and other technological features being noted. For the purposes of this assessment, the assemblage has been divided and examined per plot. The composition of the assemblage from each plot is shown in Table 1.

Table 1: Flint assemblage

Plot	Cores & Struck Nodules	Flakes	Hammer -stone	Natural, Burnt Pieces	Natural, Unmodified Pieces	Retouched & Utilised Pieces	Total
N1	0	1	1	0	1	2	5
N2	1	0	0	0	2	0	3
N3	0	2	0	0	4	0	6
N4	1	2	0	0	13	0	16
N5	0	0	0	0	2	0	2
N6	0	0	0	0	3	0	3
N9	0	1	0	0	0	0	1
N10	0	0	0	0	3	0	3
N11	0	0	0	0	1	1	2
N12	0	2	0	0	0	1	3
N13	0	3	0	0	2	1	6
N14	0	0	0	0	1	0	1
N15	0	0	0	1	0	0	1
N16	0	1	0	0	0	0	1
N17	0	0	0	0	5	0	5

As Table 1 shows only plots N1-N4, N9, N11-N13 and N16 produced struck flint. Plot N15 produced the only fragment of burnt flint weighing just 10g. The assemblage comprises cores, hammer-stone, waste flakes, retouched and utilised pieces. However, the artefacts are very thinly spread across the route of the pipeline.

The artefacts recovered from plots N1 and N2 were retrieved from a fairly discrete area and could be considered to be part of the same assemblage. This group includes a hammer-stone, a levallois-type core, a piercer and an end-on-blade scraper.

Of the remaining plots that produced struck flint, waste flakes form the bulk of the assemblage. Plot N4 also produced a small sparsely flaked lump, plot N11 produced a possibly utilised blade, plot N12 produced a large transverse arrowhead, and plot N13 produced a small retouched flake.

The condition of the struck flint varies from fresh unpatinated pieces to examples with a thick patina. In addition, the majority of the struck flint has chipping that is probably indicative of

post-depositional damage. These factors are consistent with many surface-collected lithic assemblages.

Assemblages of this nature, where the artefacts are spread thinly over such a large area, are not particularly diagnostic in terms of the date and types of activities that they might represent. The recovery of struck flint from many of the plots suggests that activity of prehistoric date is represented in the general vicinity. However the small quantities recovered suggest that either this survey has not located the main areas of activity, or that the underlying archaeology is largely undisturbed. Interestingly where Bronze Age activity is known, particularly in the Humbleton area, very few lithics were recovered.

The area around plots 1 and 2 would appear to be the most promising. Whilst this assemblage is very small some interesting pieces are represented, and this could indicate that something other than transitory activity was taking place. Based upon the typologically diagnostic pieces recovered from this area, a Neolithic date is suggested. Whilst this small assemblage may not represent the focus of activity, it could indicate activity in the area and future fieldwork in this vicinity may well produce further lithics.

Assessment of Production Waste

Jane Cowgill

The arable fields through which the corridor of the 7.7km gas pipeline will pass were systematically field walked in five transacts, 10m apart. All artefacts were recovered with the exception of any positively identified as modern and each was allocated a unique finds number that links them to their location recorded by GPS.

Table 1: Production Waste Assemblage

Plot	Number	Type	Count	Weight (g)	Craft	Comments
N4	1060	Slag	1	4	Fesmelt/Fesmith?	Magnetic dribble
N4	1078	Slag	1	10		Fresh; glossy; Pmed/Mod
N4	6055	Clinker	2	4		
N4	6065	Slag	1	11	Fesmith?	Coal fuel but dense slag
N5	6125	Slag	1	94		Not Fesmith; coal fuel; black and glassy; Pmed
N6	1141	Ironstone	1	264		Discard
N6	5126	Slag	1	17		Not Fesmith; black, sandy and glassy; Pmed
N6	5135	Blast	1	21		Coal fuel; blast furnace slag; Pmed
N9	1145	Stone	1	91		Abraded quern fragment? Or natural
N10	5157	Slag	1	18	Fesmelt/Fesmith?	
N10	6139	Ssl	1	11	Fesmith	Coal fuel
N10	6140	Fecinder	1	11	Fesmith	
N10	6151	Stone?	1	50		Not slag
N10	6152	Coal	1	3		Slagged
N11	6163	Ironstone	1	71		Discard
N13	6172	Slag	1	4	Fesmelt/Fesmith?	
N13	6174	Fecinder	1	4	Fesmith	
N13	6174	Coal	1	3		Slagged
N13	6176	Ssl	1	19	Fesmith	
N13	7010	Stone	1	48		Presumably natural?
N14	1188	Ssl	1	19	Fesmith	Coal fuel; abraded
N14	6182	Slag	1	18		Probably not Fesmith
N15	6188	Ssl	1	6	Fesmith	Coal fuel
N15	6190	Ssl	1	10	Fesmith	Coal fuel
N15	6191	Slag	1	7		Stone inclusions; could be natural?
N15	7017	HB	1	32	Fesmith	Coal fuel; hearth-lining inclusions
N15	7021	Ironstone	1	243		Discard
N16	1196	Slag	1	3	Fesmith	
N16	6193	Stone	1	86		Burnt

Table 2: Codes used in Table 1

Code	Description
Fecinder	Cinder-type slag that is a by-product of iron smithing
Fesmelt	Evidence of iron smelting (production)
Fesmith	Evidence of iron smithing
HB	Plano-convex slag accumulation (commonly known as hearth bottom)
Mod	Modern
Pmed	Post Medieval
Ssl	Smithing-slag lump

Discussion

Much of this assemblage is composed of probably Post Medieval or Modern pieces of slag, by-products of uncertain processes but one not connected with iron smelting or smithing. There is one piece of blast furnace slag (Plot 6, 5135) but as this material was often used to surface farm tracks, it is of no particular significance. Possible iron smelting slags were recovered from Plots N4, N10 and N13, but as they are all tentatively identified and the only examples of this type of slag from these fields it is more likely that they represent particularly dense pieces of iron smithing slag. Iron smithing slags are more common with three pieces being recovered in each of Plots N10, N13 and N15. Coal was the fuel used in all three instances, which suggests they are a by-product of later medieval or Post-Medieval smithing (although coal was occasionally used in the Roman, Saxon and early medieval period particularly if it was locally available). The amount of slag collected in all three fields is very small and it is improbable that they represent in situ smithing. More likely is that smithing in the farmyard/s resulted in the slag becoming incorporated within, or was disposed of with, manure heaps and thereby ended up within the fields during manuring.

Assessment of clay pipe

Wendy Booth

Thirty three fragments of clay pipe, weighing 87 grams, were recovered from the field surveys of the Sproatley to Aldbrough gas pipeline. These fragments were collected from seven of the sixteen plots surveyed, and each find spot individually located using GPS handsets.

The fragments were counted, weighed and examined by eye and the results are detailed in the table below. All the fragments were undecorated and all were pieces of stem, one of which included the damaged stump of a heel. Due to the undiagnostic nature of the assemblage, it was not possible to gain any further information.

Table 1: Clay pipe Catalogue

Plot	Find No.	Easting	Northing	Material Type	Provisional Period	Count	Weight (g)	Comments
N1	1007	520066	432810	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N1	1017	519887	432734	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N1	5004	520114	432811	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N1	5016	520066	432792	Clay pipe	Post-Medieval	1	4	Undecorated stem frag.
N1	5019	519827	432712	Clay pipe	Post-Medieval	2	4	Undecorated stem frag.
N1	6011	520036	432773	Clay pipe	Post-Medieval	1	4	Undecorated stem frag.
N2	1022	520233	432869	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N2	5024	520280	432870	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N2	5026	520243	432865	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N4	1046	520772	433345	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N4	1058	520812	433411	Clay pipe	Post-Medieval	1	4	Undecorated stem frag.
N4	1060	520822	433419	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N4	1086	520772	433359	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N4	1094	521031	433718	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N4	5038	520723	433314	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N4	6049	520650	433191	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N4	6051	520686	433195	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N4	6053	520742	433276	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N4	6054	520773	433311	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N4	6060	520806	433367	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N4	6075	520768	433377	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.

Plot	Find No.	Easting	Northing	Material Type	Provisional Period	Count	Weight (g)	Comments
N5	5096	521171	433900	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N5	5110	521377	434200	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N5	6108	521234	434004	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N5	6109	521257	434036	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N5	6112	521161	433954	Clay pipe	Post-Medieval	1	3	Undecorated stem frag.
N6	5120	521507	434410	Clay pipe	Post-Medieval	2	6	Undecorated stem frags.
N9	1146	522460	435415	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
N9	5142	522464	435397	Clay pipe	Post-Medieval	1	2	Undecorated stem frag. & damaged stump of a heel.
N9	6135	522569	435451	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.
1N0	6138	522628	435462	Clay pipe	Post-Medieval	1	2	Undecorated stem frag.

Assessment of the Glass

Wendy Booth

Forty nine fragments of glass, weighing 1135 grams, were recovered from the field surveys of the Sproatley to Aldbrough gas pipeline. These fragments were collected from ten of the sixteen plots surveyed, and each find spot individually located using GPS handsets.

These fragments were counted, weighed and examined by eye and the results are detailed in the table below. All the fragments were from post-medieval bottles or vessel fragmants which had probably been introduced to the soil through manuring. The sample was of insufficient size to allow any further inferences.

Table 1: Glass Catalogue

Plot	Find No.	Easting	Northing	Material Type	Provisional Period	Count	Weight (g)	Comments
N1	1013	519940	432758	Glass	Post-Medieval	1	35	Bottle frag.
N1	5011	520089	432780	Glass	Post-Medieval	1	51	Bottle frag.
N4	1038	520684	433212	Glass	Post-Medieval	1	45	Bottle frag.
N4	1044	520770	433337	Glass	Post-Medieval	1	11	Bottle frag.
N4	1054	520804	433388	Glass	Post-Medieval	1	14	Bottle frag.
N4	1068	520895	433529	Glass	Post-Medieval	1	2	Bottle frag.
N4	1074	520835	433457	Glass	Post-Medieval	1	65	Bottle frag.
N4	1077	520821	433436	Glass	Post-Medieval	1	6	Bottle frag.
N4	1083	520785	433384	Glass	Post-Medieval	1	24	Bottle frag.
N4	1092	521010	433671	Glass	Post-Medieval	1	45	Vessel stem frag.
N4	1094	521031	433718	Glass	Post-Medieval	1	5	Bottle frag.
N4	1104	521123	433824	Glass	Post-Medieval	1	6	Ball from bottle neck.
N4	1108	521107	433830	Glass	Post-Medieval	1	66	Bottle frag.
N4	1109	521100	433821	Glass	Post-Medieval	1	3	Bottle frag.
N4	5046	520670	433231	Glass	Post-Medieval	1	50	Bottle frag.
N4	5049	520676	433199	Glass	Post-Medieval	1	2	Bottle frag.
N4	5054	520777	433336	Glass	Post-Medieval	1	3	Bottle neck frag.
N4	5058	520778	433337	Glass	Post-Medieval	1	21	Bottle frag.
N4	5081	520921	433586	Glass	Post-Medieval	1	4	Bottle frag.
N4	5083	520952	433629	Glass	Post-Medieval	1	5	Bottle frag.
N4	5086	520988	433675	Glass	Post-Medieval	1	15	Bottle rim frag.
N4	5090	521046	433777	Glass	Post-Medieval	1	66	Bottle frag.
N4	6057	520790	433332	Glass	Post-Medieval	1	3	Bottle frag.
N4	6060	520806	433367	Glass	Post-Medieval	1	37	Bottle frag.
N4	6068	520852	433487	Glass	Post-Medieval	1	23	Bottle frag.
N4	6073	520795	433415	Glass	Post-Medieval	1	47	Bottle frag.
N4	6075	520768	433377	Glass	Post-Medieval	1	4	Bottle frag. Heat affected.
N4	6079	520973	433608	Glass	Post-Medieval	1	25	Vessel frag.
N4	6087	521014	433707	Glass	Post-Medieval	1	8	Bottle frag.
N5	1112	521242	434027	Glass	Post-Medieval	1	5	Bottle frag.
N5	5100	521277	434046	Glass	Post-Medieval	1	16	Bottle neck.
N5	5105	521316	434112	Glass	Post-Medieval	1	29	Bottle frag.
N5	6117	521354	434125	Glass	Post-Medieval	1	35	Bottle rim.
N6	1132	521486	434414	Glass	Post-Medieval	1	6	Bottle frag.
N6	5132	521581	434495	Glass	Post-Medieval	1	8	Bottle frag.
N6	5133	521587	434503	Glass	Post-Medieval	1	30	Bottle frag.
N6	5138	521682	434654	Glass	Post-Medieval	1	40	Bottle frag.
N9	5141	522463	435393	Glass	Post-Medieval	1	57	Bottle frag.
N9	6128	522454	435397	Glass	Post-Medieval	1	3	Vessel frag.
N9	6132	522508	435432	Glass	Post-Medieval	1	15	Bottle frag.
N10	1166	522926	435549	Glass	Post-Medieval	1	7	Bottle frag.
N10	5159	522675	435466	Glass	Post-Medieval	1	63	Bottle frag.
N10	6137	522619	435465	Glass	Post-Medieval	1	10	Bottle frag.

Plot	Find No.	Easting	Northing	Material Type	Provisional Period	Count	Weight (g)	Comments
N10	6145	522858	435524	Glass	Post-Medieval	1	21	Bottle frag.
N11	5177	523463	435676	Glass	Post-Medieval	1	4	Bottle frag.
N12	5183	523659	435775	Glass	Post-Medieval	1	9	Bottle rim frag.
N13	6174	524221	435953	Glass	Post-Medieval	1	12	Bottle frag.
N13	7007	524229	435901	Glass	Post-Medieval	1	17	Bottle frag.
N16	6194	524976	436238	Glass	Post-Medieval	1	57	Bottle frag.

Assessment of the Metal Objects

Wendy Booth

Five pieces of metal, weighing 85 grams, were recovered during the field surveys of the Sproatley to Aldbrough gas pipeline. These fragments were collected from three of the sixteen plots surveyed, and each finds spot was individually located using GPS handsets.

The pieces were counted, weighed and examined by eye and the results are detailed below.

Copper Alloy Object

This comprised of a copper alloy button 24mm in diameter. This was hollow and embossed with a military style pattern consisting of a laurel wreath around the edge with the initials 'R' and possibly 'V' in the centre, surmounted by a crown. The surface was too badly damaged to be certain of the lettering, but 'VR' would suggest Victoria Regina. The overall appearance of the button suggested a late 19th or early 20th century date.

Lead Object

This consisted of two small fragments of lead sheet, each approximately 1mm thick x 200mm wide x 230mm long, folded together and trimmed along one side. These fragments are most likely to be off cuts from an unknown manufacturing process.

Iron Objects

The three iron objects consisted of a washer and two nails. The washer was 19mm in diameter and slightly dished. The other two objects appeared to be square-headed nails with square shafts, although the shaft of find 6161 was incomplete at its widest end. Find 6161 was 93mm long x 10mm square, and 1183 was 72mm long x 12mm x 14mm.

Table 1: Metal Objects Catalogue

Plot	Find No.	Easting	Northing	Material Type	Provisional Period	Count	Weight (g)	Comments
N10	5150	522821	435528	Copper alloy object	Modern	1	6	Button, 19th to 20th century
N10	6161	522865	435549	Iron object	Undetermined	1	37	Nail?
N13	1183	524162	435913	Iron object	Undetermined	1	32	Nail
N13	6175	524192	435936	Lead object	Undetermined	1	7	Frag. of strip
N15	1193	524894	436184	Iron object	Modern	1	3	Washer

Assessment of the Mortar

Wendy Booth

Three fragments of mortar and cement, weighing 148 grams, were recovered during the field surveys of the Sproatley to Aldbrough gas pipeline. These fragments were collected from three of the sixteen plots surveyed, and each find spot individually located using GPS handsets.

These fragments were counted, weighed and examined by eye and the results are detailed in the table below. All these pieces were isolated finds and are most unlikely to be associated with an extant or demolished building. They were probably introduced to the soil through manuring.

Table 1: Mortar Catalogue

Plot	Find No.	Easting	Northing	Material Type	Provisional Period	Count	Weight (g)	Comments
N4	1086	520772	433359	CBM	Modern	1	10	Mortar frag.
N15	1191	524780	436144	CBM	Modern	1	110	Lump of mortar
N16	6196	525082	436302	CBM	Modern	1	28	'Fillet' of cement

Assessment of the Shell

Wendy Booth

Twelve fragments of shell, weighing 129 grams, were recovered during the field surveys of the Sproatley to Aldbrough gas pipeline. These fragments were collected from four of the sixteen plots surveyed, and each finds spot was individually located using GPS handsets.

These fragments were counted, weighed and examined by eye and the results are detailed in the table below. The sample was of insufficient size to allow any inferences.

Table 1: Shell Catalogue

Plot	Find No.	Easting	Northing	Material Type	Provisional Period	Count	Weight (g)	Comments
N1	1011	520000	432747	shell	undetermined	1	6	oyster
N1	5017	519777	432689	shell	undetermined	1	54	oyster
N4	1041	520657	433186	shell	undetermined	1	3	oyster
N4	1050	520782	433354	shell	undetermined	1	20	oyster
N4	1061	520827	433424	shell	undetermined	1	8	oyster
N4	1078	520817	433440	shell	undetermined	1	3	oyster
N4	1079	520800	433429	shell	undetermined	3	6	1 x oyster, 1 x snail, 1 x cockleshell
N4	1083	520785	433384	shell	undetermined	1	9	oyster
N6	5130	521668	434649	shell	undetermined	1	5	oyster
N10	6143	522807	435494	shell	undetermined	1	15	oyster

APPENDIX G

GEOPHYSICAL SURVEY REPORT

Geophysical Survey Report

Alister Bartlett

Summary

This geophysical survey forms part of the archaeological evaluation which is being undertaken by Network Archaeology Ltd. of the route of the proposed Sproatley to Aldbrough pipeline in East Yorkshire.

The techniques employed for the survey were magnetic susceptibility surveying, which may indicate the presence of past settlement sites or other areas in which soil magnetic properties have been affected by human activities, and magnetometer surveying.

The magnetometer survey was arranged as a 15m wide sample strip extending along the 7.7 km length of the proposed pipeline. An initial survey was done in December 2004, with additional coverage of potentially significant areas in January 2005. The findings include two areas of strongly defined magnetic activity which are likely to indicate significant archaeological sites. One of these (field N12) is well removed from any previously identified areas of archaeological concern. A number of additional areas which may require further investigation during later stages of the evaluation were also identified.

Summary of Findings

Table 2 records the most significant findings from the magnetometer survey. The grading (1-4) given alongside each entry refers to the reliability of the geophysical evidence rather than the archaeological significance of the findings (see Table 1).

Table 1

Grade 1	Distinct magnetic anomalies of probable archaeological origin
Grade 2	Magnetic anomalies possibly including natural or recent disturbances, but which could in part be archaeologically significant
Grade 3	Weak or isolated features; not necessarily archaeologically significant
Grade 4	Strong magnetic anomalies of probably recent or natural origin

Table 2

Field	Reference	Description	Grade of confidence
N1	A	Probable former boundary	4
N1	B	Isolated pit-like features	2-3
N2	C	Large pit-like features	3
N3-4	D, E, F, H	Localised magnetic disturbances (possibly recent or natural)	2-3
N4	G	Possible linear feature (weak)	3
N5	J	Group of pit-like features (but in area of possibly natural magnetic disturbances)	3
N7	K	Isolated magnetic disturbances	4
N8-9	L	Magnetic and susceptibility response in area with post-medieval pottery finds	2
N11	M	Broad irregular magnetic anomalies: possibly natural	3
N11	N	Linear and other magnetic anomalies in area of raised	1-2

		susceptibility response	
N12		Extensive strong magnetic and susceptibility response suggests significant archaeological site	1
N13	O	Linear and other disturbances. Former boundary ?	2-3
N15	P	Disturbances around possible former boundary	2-3
N17-18	Q + R	Some potentially significant magnetic anomalies, but possibly natural	3
N21		Strong magnetic anomalies and raised susceptibility	1

Introduction

This geophysical survey forms part of the archaeological evaluation which is being undertaken of the route of the proposed Sproatley to Aldbrough gas pipeline in the East Riding of Yorkshire. The survey was commissioned by Network Archaeology Ltd. on behalf of Black and Veatch, Murphy Pipelines Ltd., and Transco.

The proposed route extends for about 7.7 km from Sproatley (519750E, 432670N) to the Aldbrough gas storage site (526700E, 436800N).

The initial magnetometer survey of the route was carried out in December 2004. Interim plots of the findings indicated both positive archaeological findings, and other areas of magnetic activity of less certain archaeological significance. Additional work was carried out in January 2005 to obtain further information from these more problematic areas. The survey coverage in five sections of the route (fields N1-2, N5-6, N8-9, N11 and N18) was extended to the full working width of the pipeline (44m) from the initial 15m sample strip. This additional work has shown that some of the areas in question are probably of only limited archaeological concern.

The Proposed Route

The route lies in a region of arable farmland with open, level fields well suited to magnetometer surveying. Complete coverage of the route was therefore obtained, with the exception of obstructions at boundaries.

The geology of the route is Boulder Clay and drift deposits above chalk bedrock. Boulder clays vary in their composition and their quality of magnetic response, but in this case the soils proved to be quite strongly magnetic with relatively high susceptibility values (20-40 x 10-5 SI). Conditions should therefore be generally favourable for magnetometer surveying, with the possible difficulty that glacial soils often contain naturally magnetic stones, which can create magnetic anomalies difficult to distinguish from archaeological features. Such disturbances may have been detected at various locations in the present survey (e.g. N8).

There do not appear to be any previously identified archaeological sites which directly intersect the route, although an Iron Age / Romano British settlement was found on the site of the Aldbrough gas storage facility now under construction at the east end of the proposed pipeline. This was investigated during previous Network in 2003-4, and the present survey has shown that the site appears to extend across an adjacent section of the proposed route.

A number of cropmark and earthwork features in the vicinity of the route were noted in an earlier Environmental Statement prepared by Wardell Armstrong in 1998, and updated in 2004. Nearby areas of particular archaeological sensitivity were identified to the south of Bail Wood (fields

N17-18), and between cropmarks on Humbleton Moor (approximately fields N6-8). These concerns were taken into account in locating the areas for extended survey coverage.

Survey Procedure

The initial magnetometer survey was arranged as a 15m wide strip centred on the proposed pipe alignment. Additional transects were recorded alongside the initial strip to extend the survey width to 44m at selected locations during the second stage of the survey in January 2005. The magnetometer survey was carried out using Bartington fluxgate gradiometers, and the results are presented as graphical or x-y trace plots and as grey scale plots on figures 32-40. These plots show the readings after standard processing operations including adjustments to the line spacing to correct for variations in the instrument zero setting, and numerical smoothing to reduce background noise levels. Outlines and cross hatching indicating selected magnetic anomalies of potential interest have been added to the graphical plots.

The susceptibility survey was based on readings taken at 12.5m intervals along two transects using Bartington MS2 susceptibility meters with the MS2D field probe. The initial susceptibility readings are displayed as strips of shaded squares of density proportional to the readings at 1:2000 scale on figures 21-31. The interpretative outlines as shown on the magnetometer plots have been added in red to these drawings at reduced scale to provide a summary of the survey findings

The survey was positioned in each field by reference to OS co-ordinates taken from the digital OS base map, and located with a sub-1m accuracy GPS system. OS co-ordinates of map locations can be read from the AutoCAD (.dwg) version of the plans which can be supplied with this report.

The results obtainable from magnetometer and magnetic susceptibility surveys are related, but they will not necessarily detect the same features or disturbances. The magnetometer responds to cut features such as ditches and pits when they are silted with topsoil, which usually has a higher magnetic susceptibility than the underlying natural subsoil. It also detects the thermoremanent magnetism of fired materials, notably baked clay structures such as kilns or hearths. Burning associated with past human occupation enhances the magnetic susceptibility of topsoil, increasing the magnetometer response from ditches and pits, and also making it possible to locate sites by magnetic susceptibility measurements on the superficial topsoil. Susceptibility surveying can therefore be used to obtain a broad indication of previously occupied or disturbed areas, although the readings may be affected by a number of non-archaeological factors, including geology and land use.

Results

The results from both the original and extended surveys are shown together in a single set of location plans and data plots. Findings are described below by fields, in sequence from west to east. The fields are numbered according to a scheme which has been agreed with Network Archaeology. Features which were detected by the survey and are referred to in the text are labelled (A, B etc) on the location plans plots (figures 10-20) and on the interpretative drawings (figures 21-31).

Fields N1 - N4

Findings in much of field N1 are limited except for magnetic anomalies A and B. The linear feature at A aligns with a field boundary to the south, and so is probably a former boundary. The

anomalies at B could represent silted pits, but are large and isolated, and not necessarily archaeologically significant.

Linear markings visible in the grey scale plots here and elsewhere in the survey are probably caused by cultivation. They are likely to be a result of recent ploughing, but may sometimes indicate traces of ridge and furrow. Some of the more conspicuous linear markings are indicated by green broken lines in the interpretation.

The survey near the boundary between fields N1 and N2 shows magnetic disturbances including linear features which are stronger than most of the cultivation effects. The coverage here was widened in the second stage of the survey, but the plots fail to show any coherent plan of interpretable features or enclosures, although some strong magnetic anomalies are present (e.g. around C in field N2). Some linear disturbances are visible in the plots, and it is not impossible that enclosures or other archaeological features are present, perhaps in a plough-damaged state. There is no clear susceptibility response, however, and so it is perhaps more likely that the detected features are non-archaeological.

Similar considerations apply to the interpretation of occasional magnetic disturbances seen in fields N3-4 (e.g. D, E, F, H). The anomalies at D and E are near the former site of Sproatley Mere (an infilled lake), but appear similar to other features detected in these fields. A possible isolated linear magnetic anomaly at G in field N4 is weak and may be insubstantial.

Fields N5 - N6

The route in field N6 lies near to one of the previously identified sites on Humbleton Moor (SM 3096: field system and enclosure), as well as another cropmark to the south of the proposed line.

The initial survey here showed widespread magnetic disturbances, but only a limited susceptibility response. Extended coverage in both fields indicated a number of potentially significant magnetic anomalies, particularly around J and nearby to the north in field N5. Features here include individual rounded peaks (as seen in the x-y plots) of a kind which could indicate clusters of silted pits. They could also be naturally magnetic stones buried at slighter greater depth than elsewhere in the Boulder Clay subsoil. This possibility, as well as the presence of similarly indeterminate features, as were noted above in fields N3 and N4, suggests that the magnetic disturbances in fields N5 and N6 could well be mainly natural.

Fields N7 – N9

The isolated magnetic disturbance at K in field N7 could well be recent. There are numerous small-scale magnetic disturbances across field N8. Some of the areas of more concentrated magnetic activity are marked on the plans by cross hatching, but there are few individually identifiable features. Ring ditches (SM 18951) are recorded in field N8, but any such features could be difficult to identify against a disturbed magnetic background.

It is therefore, probable, that most of the magnetic activity is geological, except perhaps at the north end of the field, where there are distinct linear and other features. Some of the linear markings detected here indicate current and former boundaries between fields N8 and N9, but other magnetic anomalies (e.g. near L) cannot be immediately dismissed. There is also an increase in susceptibility readings at the north of field N8.

The magnetic anomalies at L are not the distinct pit-like features which could indicate an ancient settlement site, but it may be significant that post-medieval pottery was seen in this area at the time of the survey. There could perhaps be remains of some relatively recent activity nearby. The Shaw Fosse moated site (SM 21205) lies 3-400m to the south.

Fields N10 – N12

Field N10 shows mainly cultivation effects, but there is magnetic activity of considerable potential interest in fields N11-12. Magnetic anomalies and high susceptibility readings across most of field N12 show linear and other patterns suggesting the presence of a significant archaeological site, possibly including enclosures and settlement features.

The response in field N11 is a little more difficult to interpret, and so an enlarged area was surveyed. The broad irregular anomalies at the west of the field (M) could well be natural, but linear and other features at N may be archaeologically significant. Cultivation effects were also detected.

Fields 13 –16

The parallel linear markings seen in fields N13, 14 and part of 15 are stronger than the linear cultivation features seen elsewhere in the survey, and are probably caused by field drains.

This parallel pattern is interrupted by linear and other disturbances at O in the centre of field N13, but the features here do not form a clearly interpretable plan. There could perhaps once have been a boundary or track across this area.

The regular pattern of assumed field drains stops in the centre of field N15, with cultivation markings on a different alignment to the east. The magnetic anomalies at P could perhaps indicate disturbances around a former boundary.

Field N16 contains an intersecting pattern of cultivation features or drains, with no other interpretable findings.

Fields N17 – N19

Field N17 contains scattered magnetic anomalies, particularly to the east of the field (Q). Erratic disturbances continue into field N18, where the extended survey shows numerous small magnetic anomalies. Most are narrow spikes (as seen on the x-y plot), and so could be geological (as with field N8). Some more rounded features (as outlined) could indicate pits or other subsurface features, but could also perhaps be natural. The field gave slightly raised susceptibility values. Linear features near R do not extend across the survey, and so do not appear to represent substantial enclosures.

The only finding in field N19 is a strong and probably recent magnetic disturbance at the north end of the field.

Fields N20 – N21

The small area surveyed in field N20 lies next to the entrance to the Aldbrough gas storage site, and the magnetic disturbances probably reflect recent landscaping.

The survey in field N21 recorded a dense pattern of linear and other magnetic anomalies, together with high susceptibility readings. These findings probably indicate a continuation of the Iron Age / Romano British settlement which was previously investigated within the adjacent construction site.

Conclusions

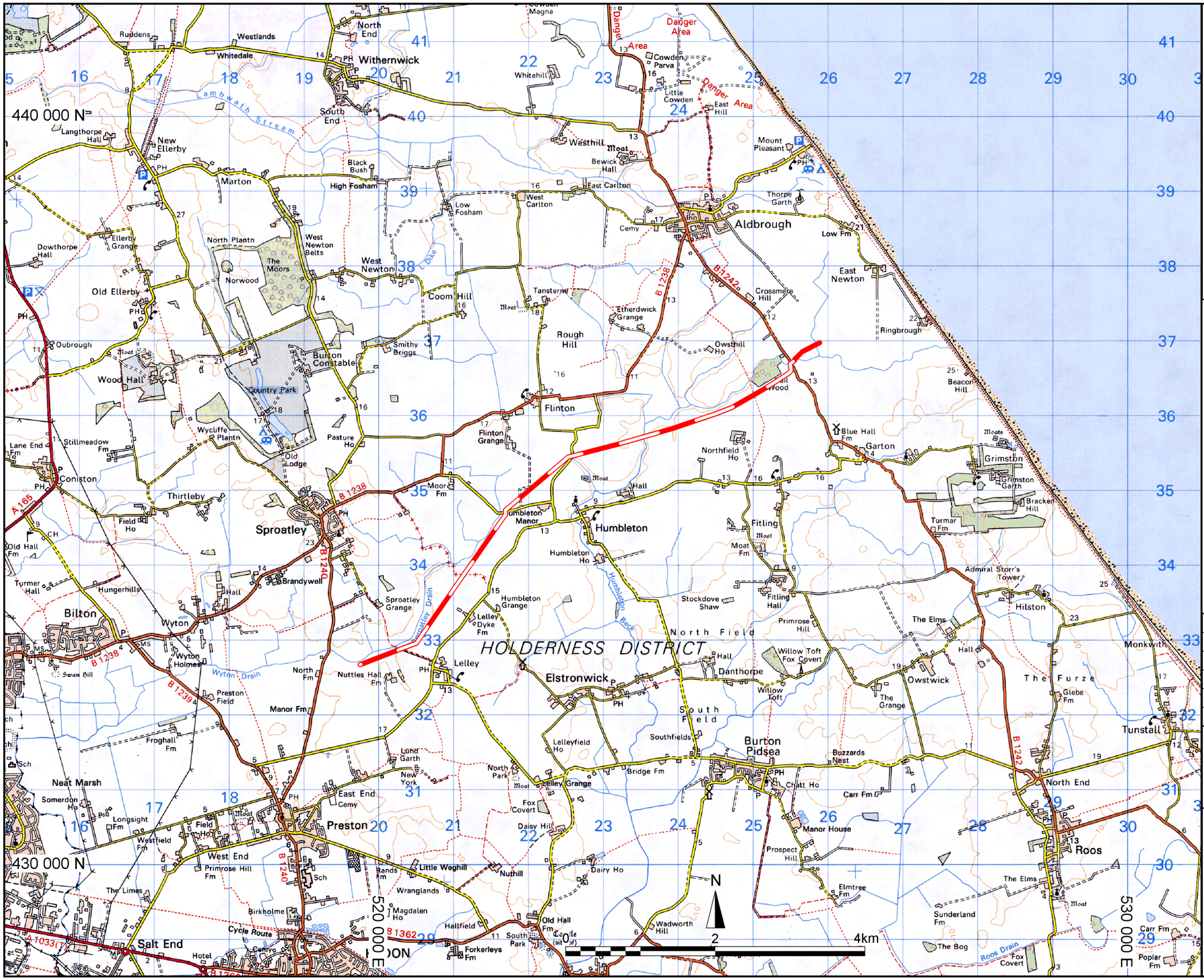
The survey has identified potentially significant archaeological sites in fields N12 and N21, and perhaps also in field N11. The findings in fields N11-12 lie well away from previously recorded cropmark sites.

Sections of the route in areas previously identified as of archaeological concern (e.g. fields N5-6 and N17-18) have produced few clearly significant findings.

Individual or localised magnetic anomalies at a number of locations may require further investigation to establish whether or not they are of archaeological relevance. Most are found in association with other clearly geological or non-archaeological disturbances, but their specific character is difficult to determine from the survey evidence alone. These could include the magnetic anomalies D-H in fields N3-4, J in field 5, O in field N13, P in field N15 and Q, R in fields N17-18. These features in most cases could be natural or recent. The presence of post-medieval pottery in fields N8-9 suggests the magnetic disturbances there (L) could also be comparatively recent.

APPENDIX H

FIGURES 1 - 40



Proposed pipeline

Ver	Date	Description	Drn	Chk	App
1.00	17/02/05	First draft	AH	ML	DB

BLACK & VEATCH
MURPHY
Transco

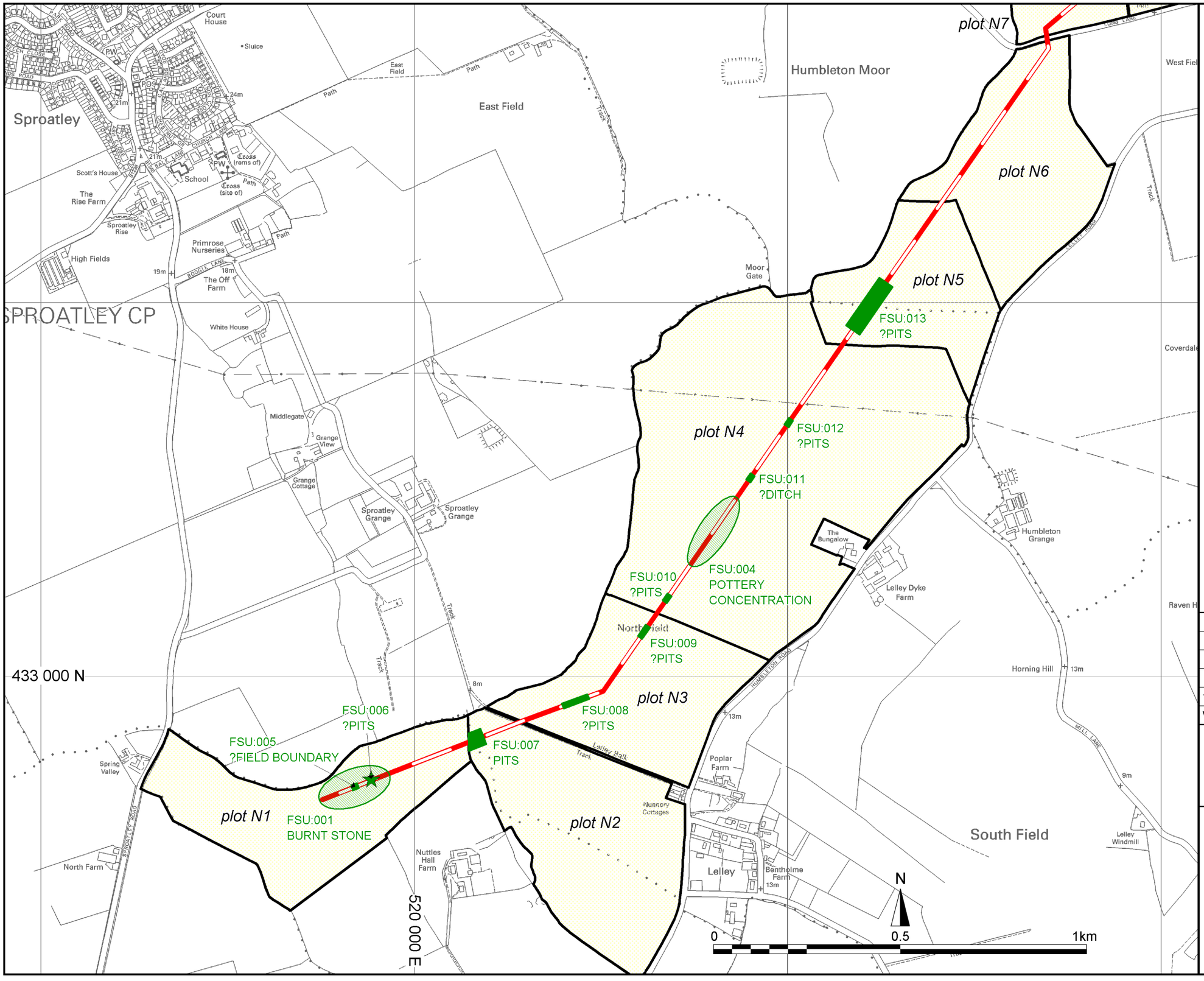
Sproatley to Aldbrough Pipeline

Figure 1
Location of proposed pipeline

Scale: 1:50 000

network archaeology

FILE NAME: spa\2-3\gis\workspaces\\wer01.00\figure01.wor



Proposed pipeline

Survey plot

Field survey data

C grade

D grade

Ver	Date	Description	Drn	Chk	App
1.00	17/02/05	First draft	AH	ML	DB

BLACK & VEATCH

MURPHY Transco

Sproatley to Aldbrough Pipeline

Figure 2
Field survey results

Scale: 1:10 000

network archaeology

FILE NAME: spa12-3\gis\workspaces\ver01.00\figure02.wor

Proposed pipeline

Survey plot

Field survey data

C grade

D grade

Flinton Carr
Holderness Cottages
Herons Farm
Carr Farm
Track
FB
B1238
FLINTON ROAD
GALLOWS BRIDGE ROAD
Gallows Bridge
12m
13m
Flinton
PW
Fairfield Farm
Buck Hill
Green Hill
17m
SPROATLEY ROAD
CG
Hill Farm
The Manor
Pit Hill
Mill Hill
14m
West Wells
Flinton Grange
plot N9
11m
plot N10
plot N13
FSU:016
SETTLEMENT
Bracken Hill
FSU:002
MOUND
FSU:021
POTTERY
FSU:015
?DITCHES & ?PITS
FSU:003
FIELD BOUNDARY
HUMBLETON CP
plot N8
plot N11
plot N12
FSU:014
?BOUNDARIES & ?PITS
Shaw Foss
Moat
Moor Farm
Moorlands
435 000 N
plot N7
SMR MHU18951
BARROW
Humbleton Hall
Ivy Cottage
The Old Vicarage
The Bungalow
Humbleton Manor
West Field
Humbleton Moor
Beck Bridge
Filter Bed
Town End Villas
Banes Field
Humbleton
plot N6
plot N5
The Greens
Playing Field
Gargill Close Plantation
522 000 E
N
0
0.5
1km

Ver	Date	Description	Drn	Chk	App
1.00	17/02/05	First draft	AH	ML	DB

BLACK & VEATCH
MURPHY
Transco

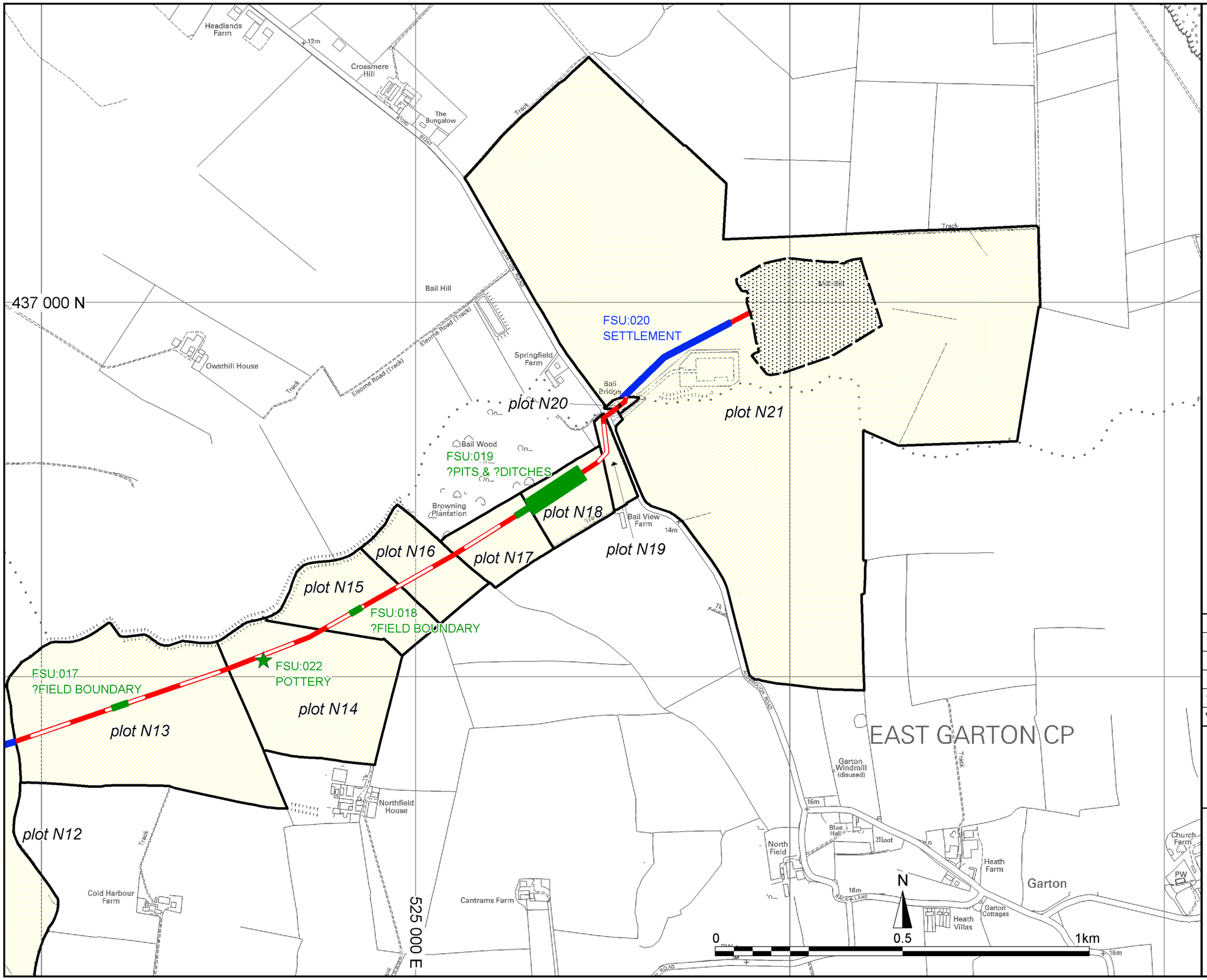
Sproatley to Aldbrough Pipeline

Figure 3
Field survey results

Scale: 1:10 000

network archaeology

FILE NAME: spa12-3gis\workspaces\ver01.00figure03.wor



Proposed pipeline

Proposed AGI

Survey plot

Field survey data

C grade

D grade

Ver	Date	Description	Drn	Chk	App
1.00	17/02/05	First draft	AH	ML	DB

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MURPHY Transco

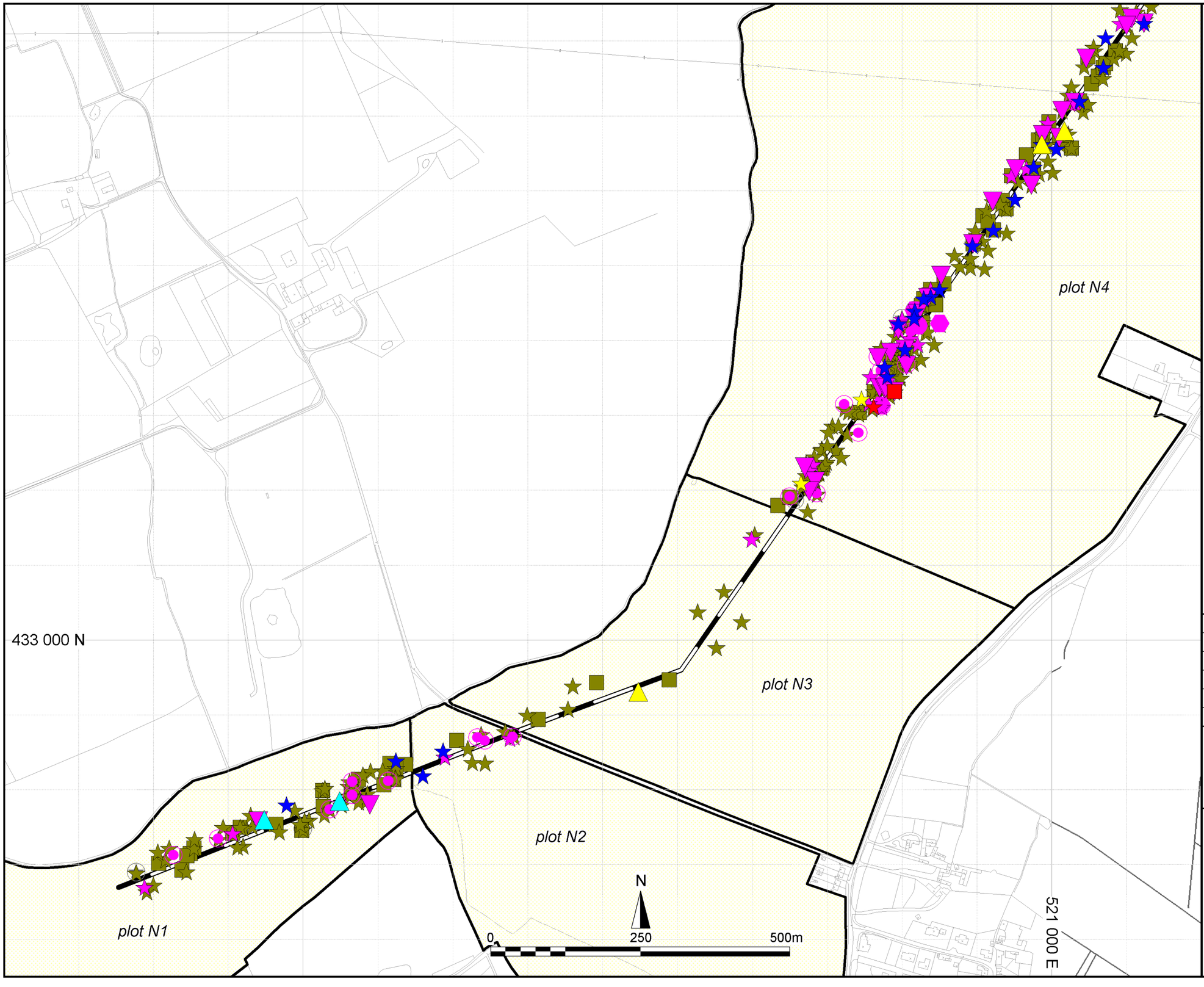
Sproatley to Aldbrough Pipeline

Figure 4
Field survey results

Scale: 1:10 000

network archaeology

FILE NAME: spa\2-3\gis\workspaces\\ver01.00\figure04.wor



Proposed pipeline

Survey plot

Field walking data

- Neolithic
- Prehistoric
- Roman
- Saxon
- Medieval
- Post-medieval
- Modern
- Undetermined
- CBM
- Clay pipe
- Clay heat affected
- Flint knapped
- Glass
- Metal
- Pottery
- Production waste
- Shell
- Stone worked

Ver	Date	Description	Drn	Chk	App
1.00	17/02/05	First draft	AH	ML	DB

BLACK & VEATCH

MURPHY Transco

Sproatley to Aldbrough Pipeline

Figure 5
Distribution of artefacts found by fieldwalking survey

Scale: 1:5000

network archaeology

FILE NAME: spa\2-3\gis\workspaces\\ver01.00\figure05.wor

Moor Farm

plot N7

plot N8

ALDBROUGH LANE

Humbleton Manor

West Field

12m

The Greens

plot N6

Moor Gate

plot N5

434 000 N

plot N4

Coverdales Hill

522 000 E

N

0 250 500m

Proposed pipeline

Survey plot

Field walking data

- Neolithic
- Prehistoric
- Roman
- Saxon
- Medieval
- Post-medieval
- Modern
- Undetermined
- CBM
- Clay pipe
- Clay heat affected
- Flint knapped
- Glass
- Metal
- Pottery
- Production waste
- Shell
- Stone worked

Ver	Date	Description	Drn	Chk	App
1.00	17/02/05	First draft	AH	ML	DB

BLACK & VEATCH

MURPHY Transco

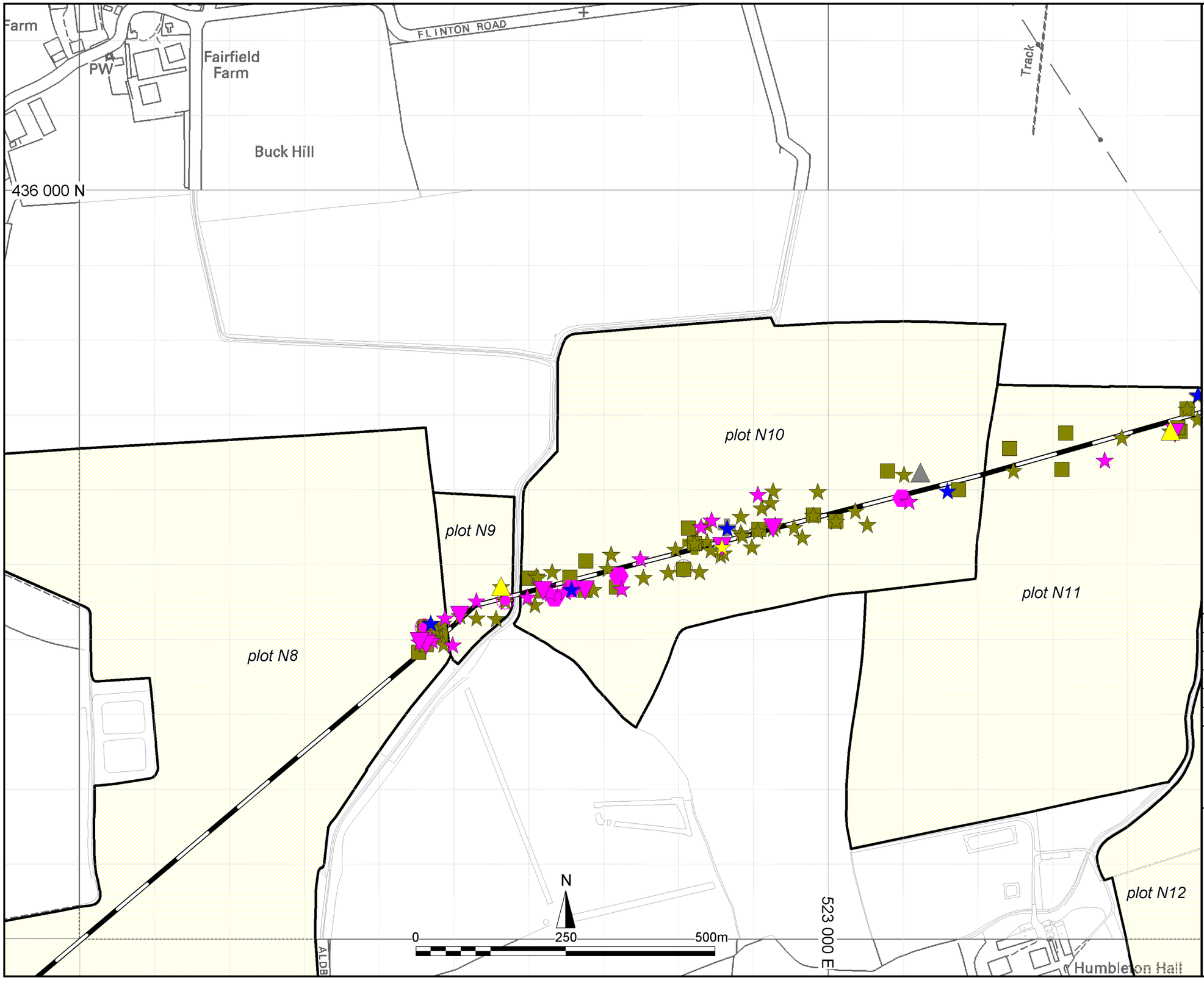
Sproatley to Aldbrough Pipeline

Figure 6
Distribution of artefacts found by fieldwalking survey

Scale: 1:5000

network archaeology

FILE NAME: spa\2-3\gis\workspaces\ver01.00\figure06.wor



Proposed pipeline

Survey plot

Field walking data

- Neolithic
- Prehistoric
- Roman
- Saxon
- Medieval
- Post-medieval
- Modern
- Undetermined
- CBM
- Clay pipe
- Clay heat affected
- Flint knapped
- Glass
- Metal
- Pottery
- Production waste
- Shell
- Stone worked

Ver	Date	Description	Drn	Chk	App
1.00	17/02/05	First draft	AH	ML	DB

BLACK & VEATCH

MURPHY Transco

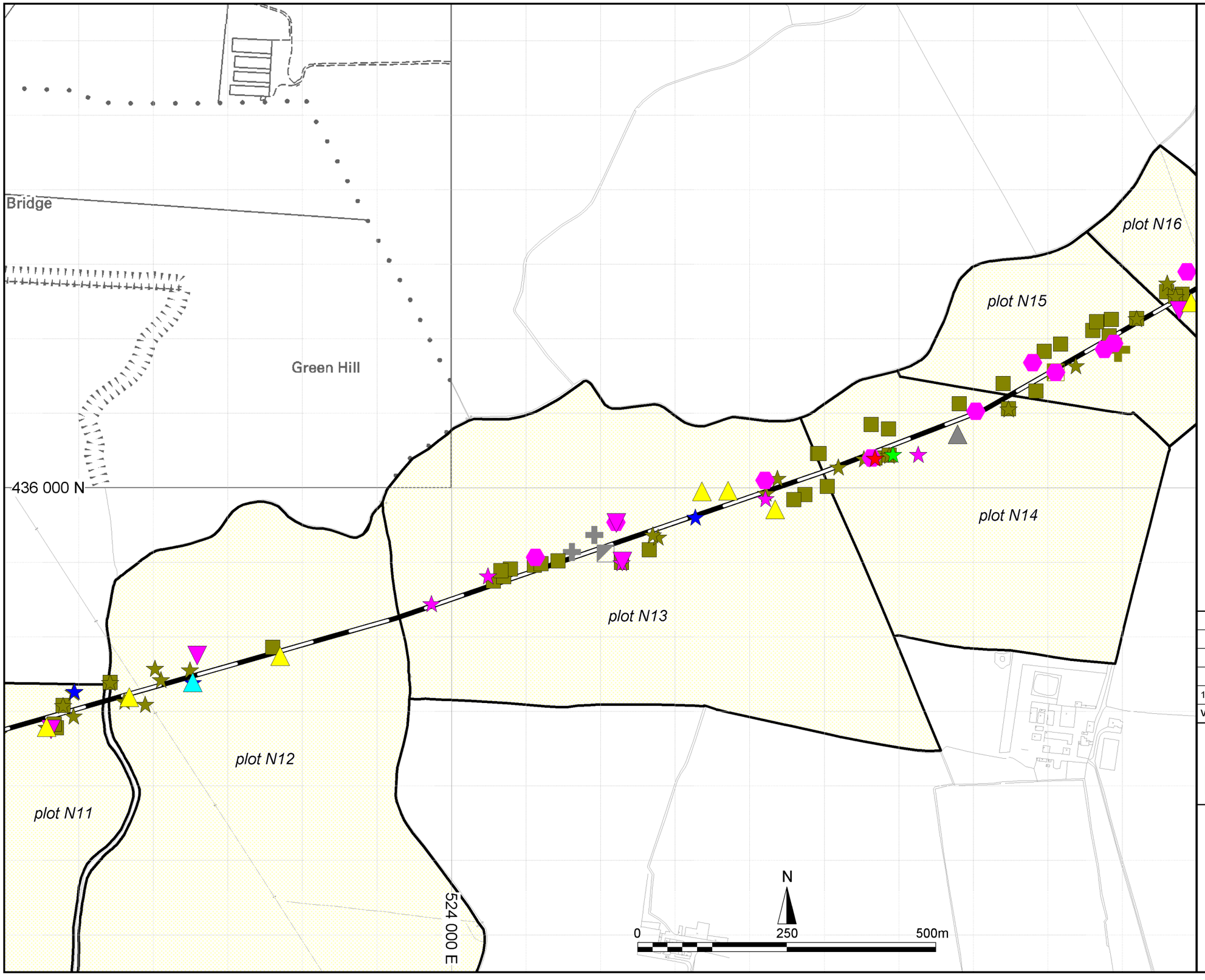
Sproatley to Aldbrough Pipeline

Figure 7
Distribution of artefacts found by fieldwalking survey

Scale: 1:5000

network archaeology

FILE NAME: spa12-3gis\workspaces\ver01.00\figure07.wor



Proposed pipeline

Survey plot

Field walking data

- Neolithic
- Prehistoric
- Roman
- Saxon
- Medieval
- Post-medieval
- Modern
- Undetermined
- CBM
- Clay pipe
- Clay heat affected
- Flint knapped
- Glass
- Metal
- Pottery
- Production waste
- Shell
- Stone worked

Ver	Date	Description	Drn	Chk	App
1.00	17/02/05	First draft	AH	ML	DB

BLACK & VEATCH

MURPHY Transco

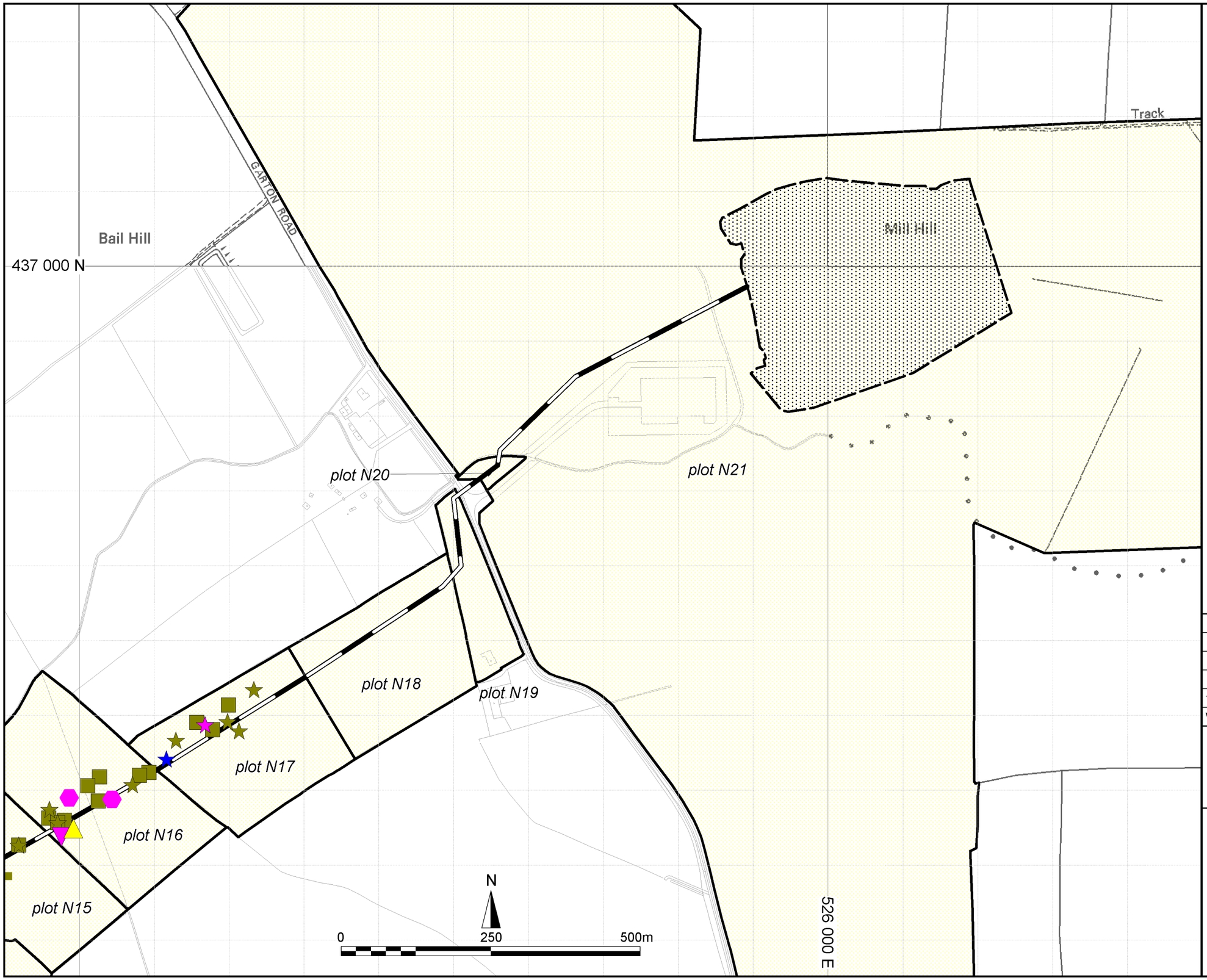
Sproatley to Aldbrough Pipeline

Figure 8
Distribution of artefacts found by fieldwalking survey

Scale: 1:5000

network archaeology

FILE NAME: spa\2-3\gis\workspaces\ver01.00\figure08.wor



Proposed pipeline

Proposed AGI

Survey plot

Field walking data

- Neolithic
- Prehistoric
- Roman
- Saxon
- Medieval
- Post-medieval
- Modern
- Undetermined
- CBM
- Clay pipe
- Clay heat affected
- Flint knapped
- Glass
- Metal
- Pottery
- Production waste
- Shell
- Stone worked

Ver	Date	Description	Drn	Chk	App
1.00	17/02/05	First draft	AH	ML	DB

BLACK & VEATCH

MURPHY Transco

Sproatley to Aldbrough Pipeline

Figure 9
Distribution of artefacts found by fieldwalking survey

Scale: 1:5000

network archaeology

FILE NAME: spa\2-3\gisworkspaces\ver01.00\figure09.wor

Pond

Pond

Track

Drain

Drain

7.9m

Sproatley Drain

SD

CD

D

N3A

N2

C

12.8m

Lelley Balk Track

B

A

N1

Drain

Def

Surveyed by:

Bartlett-Clark Consultancy
25 Estate Yard, Cuckoo Lane
North Leigh
Oxfordshire OX29 6PW
(01865 200864)

for:

Network Archaeology Ltd
22 High Street
Buckingham
MK18 1NU
(01289 816174)

+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

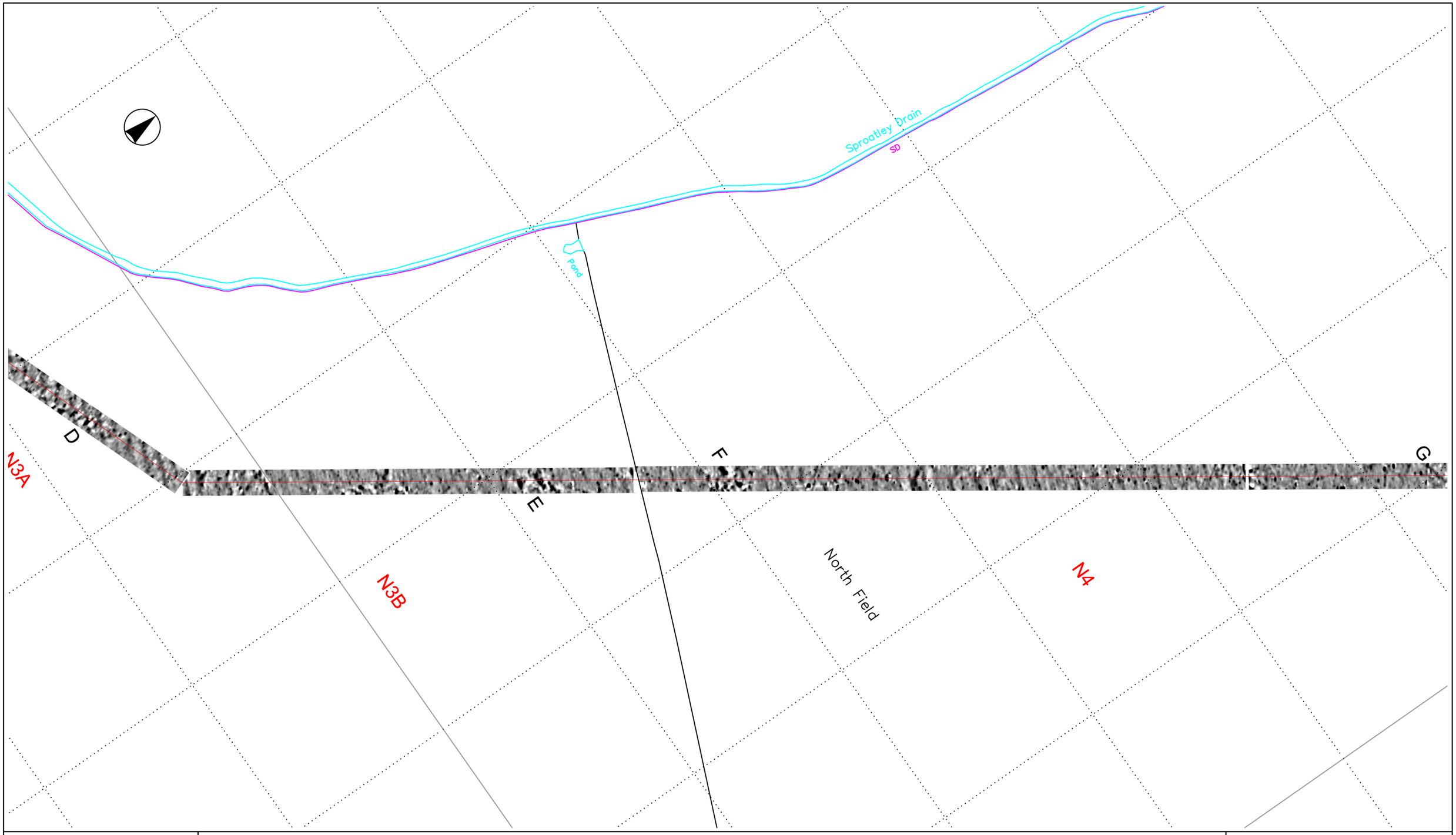
1:2000

0 100m

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 10:
Magnetometer Survey
Fields N1 - N3



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Oxfordshire OX29 6PW
(01865 200864)

for:

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Buckingham
MK18 1NU
(01289 816174)

+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

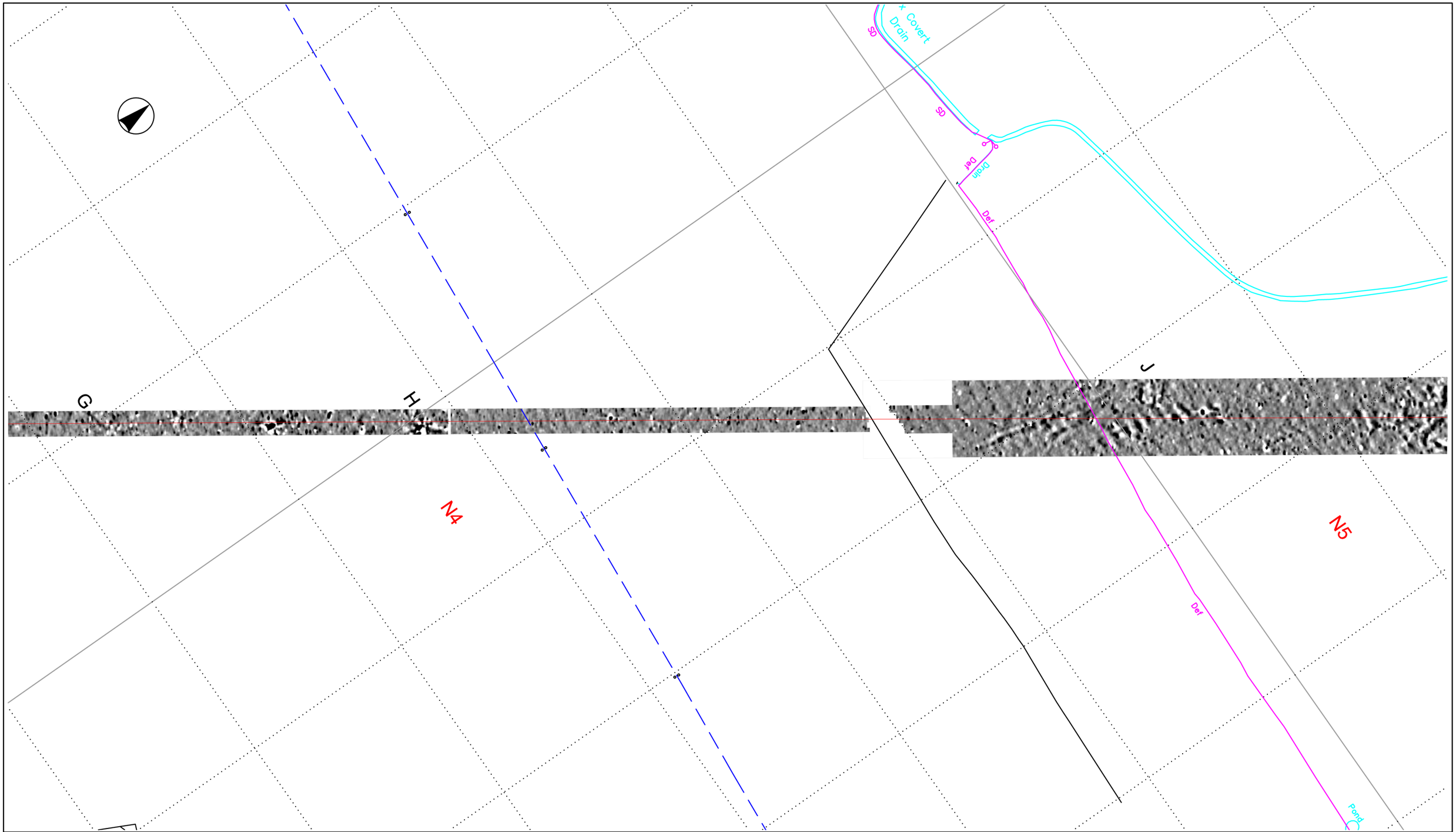
1:2000

0 100m

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 11:
Magnetometer Survey
Fields N3 - N4



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North Leigh
Oxfordshire OX29 6PW
(01865 200864)

for:

Network Archaeology Ltd
22 High Street
Buckingham
MK18 1NU
(01289 816174)

+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

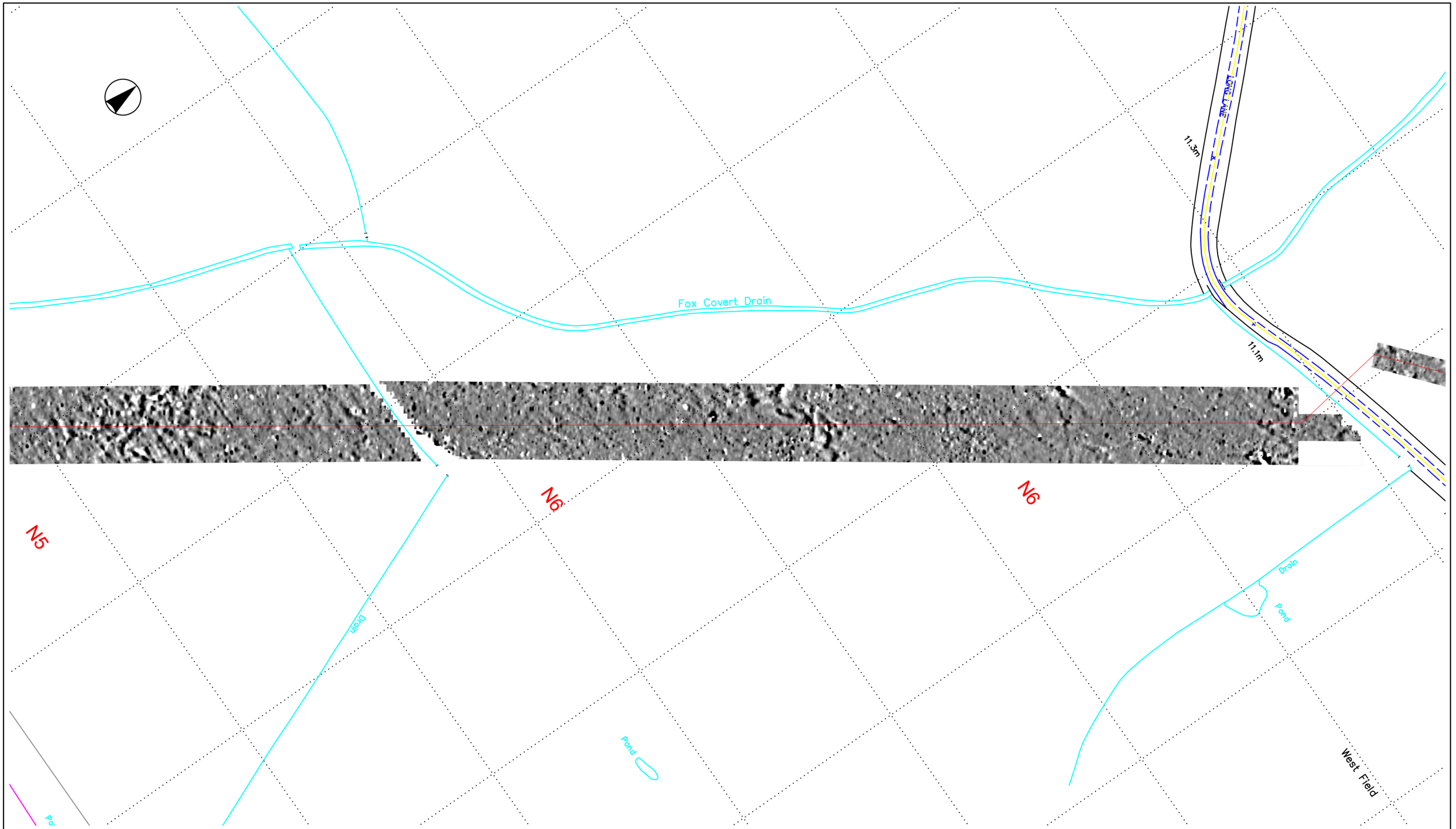
1:2000

0 100m

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 12:
Magnetometer Survey
Fields N4 - N5



Surveyed by:

Bartlett-Clark Consultancy
25 Estate Yard, Cuckoo Lane
North Leigh
Oxfordshire OX29 6PW
(01865 200864)

for:

Network Archaeology Ltd
22 High Street
Buckingham
MK18 1NU
(01289 816174)

+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

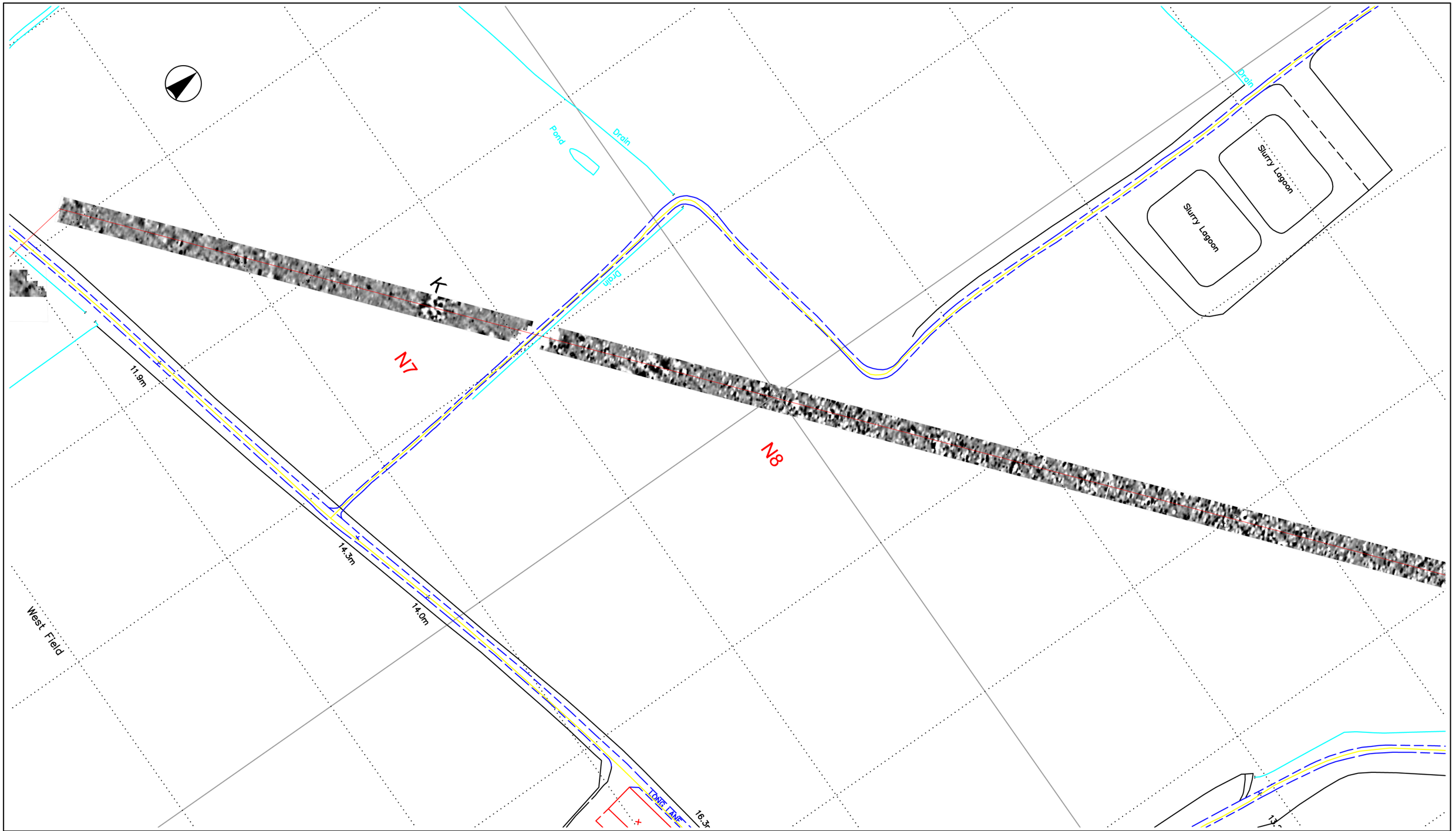
1:2000

0 100m

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 13:
Magnetometer Survey
Fields N5 - N6



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for:

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Buckingham
MK18 1NU
(01289 816174)

+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

1:2000

0 100m

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Proposed Transco Pipeline

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TITLE: Figure 14:
Magnetometer Survey
Fields N7 - N8

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+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

1:2000

0 100m

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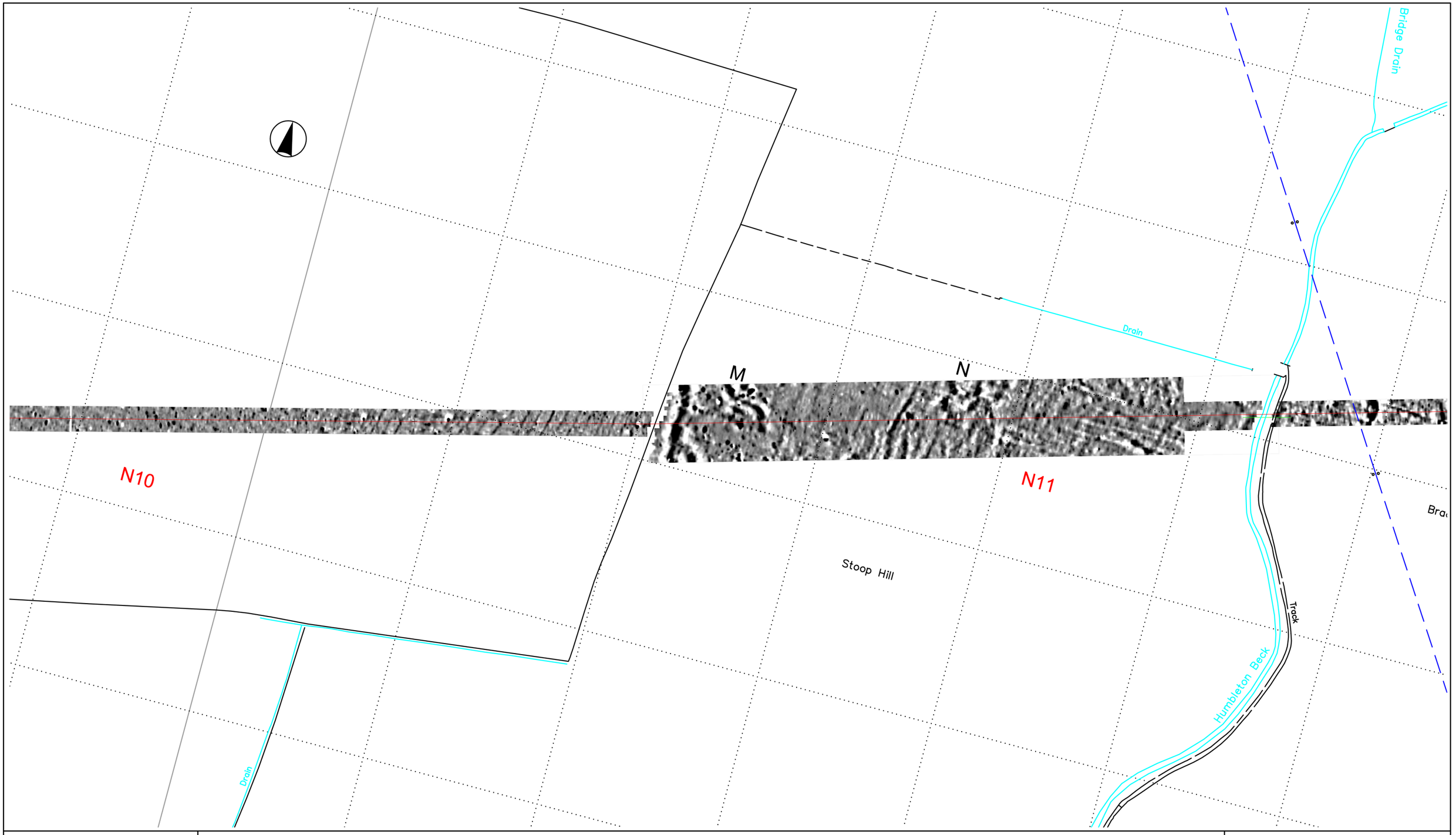
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 15:
Magnetometer Survey
Fields N8 - N10



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+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

1:2000

0 100m

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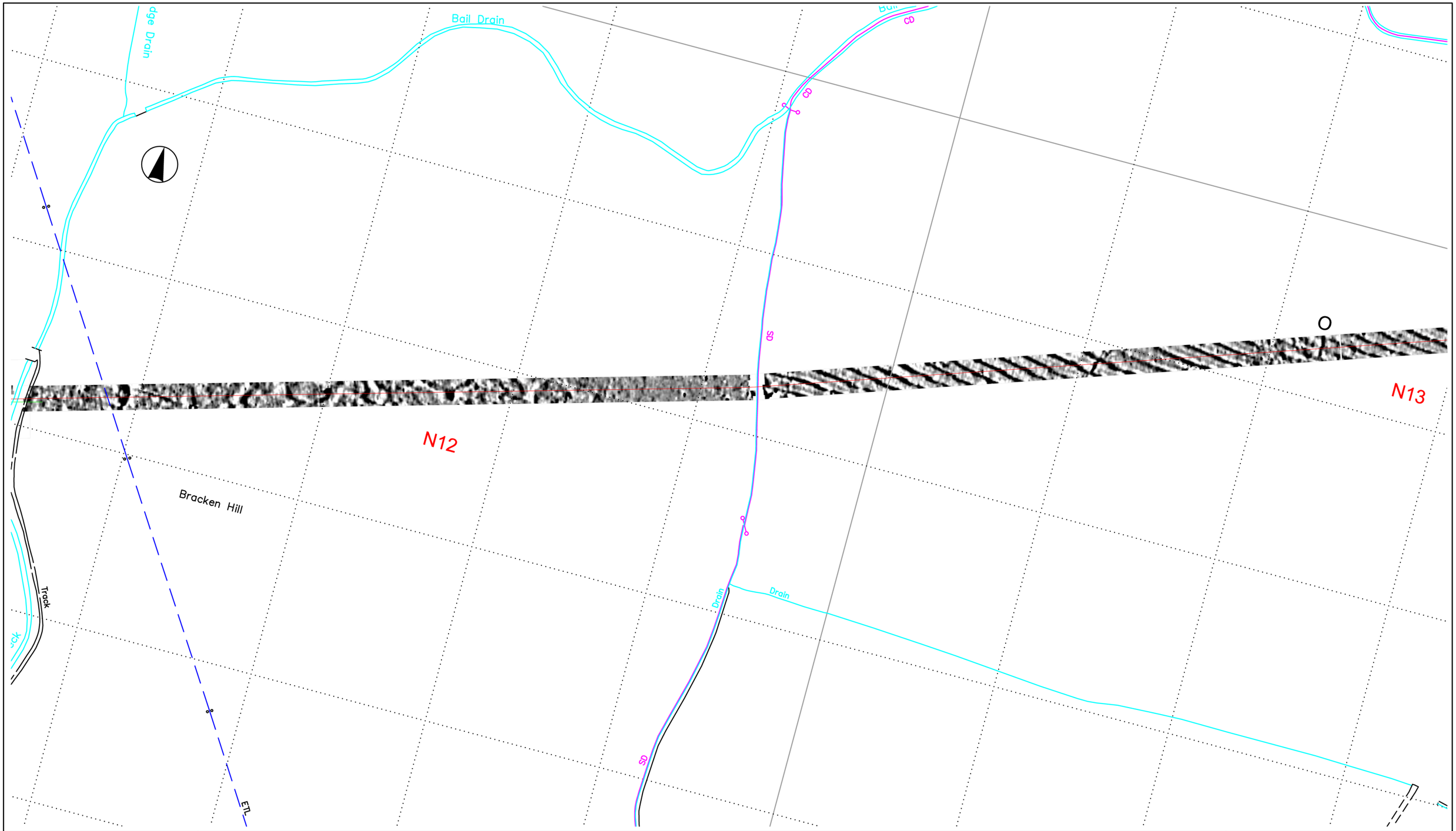
Geophysical Survey
2004-5

TITLE: Figure 16:
Magnetometer Survey
Fields N10 - N11



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+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

1:2000

0 100m

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Proposed Transco Pipeline

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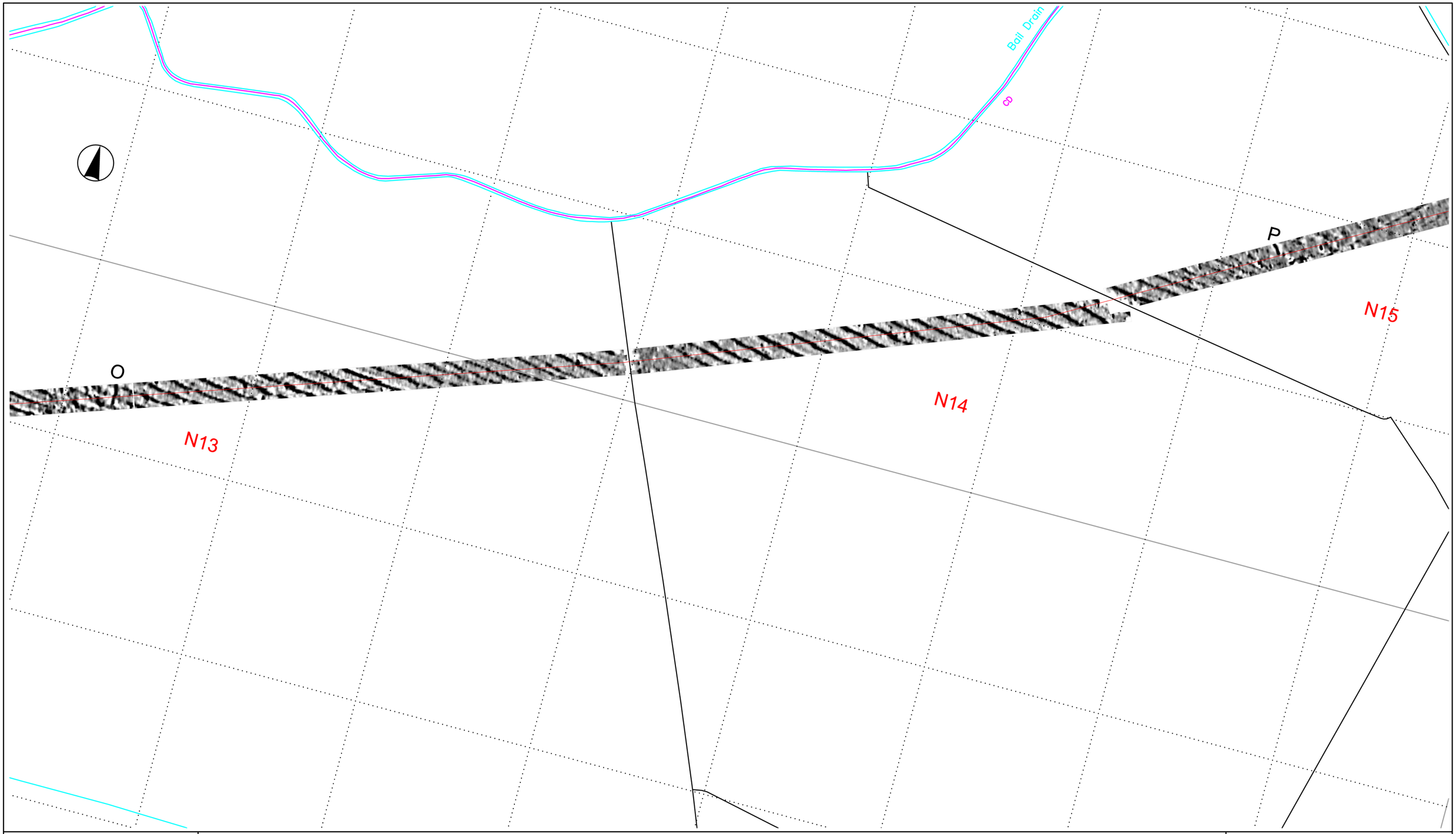
2004-5

TITLE: Figure 17:
Magnetometer Survey
Fields N12-N13



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+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

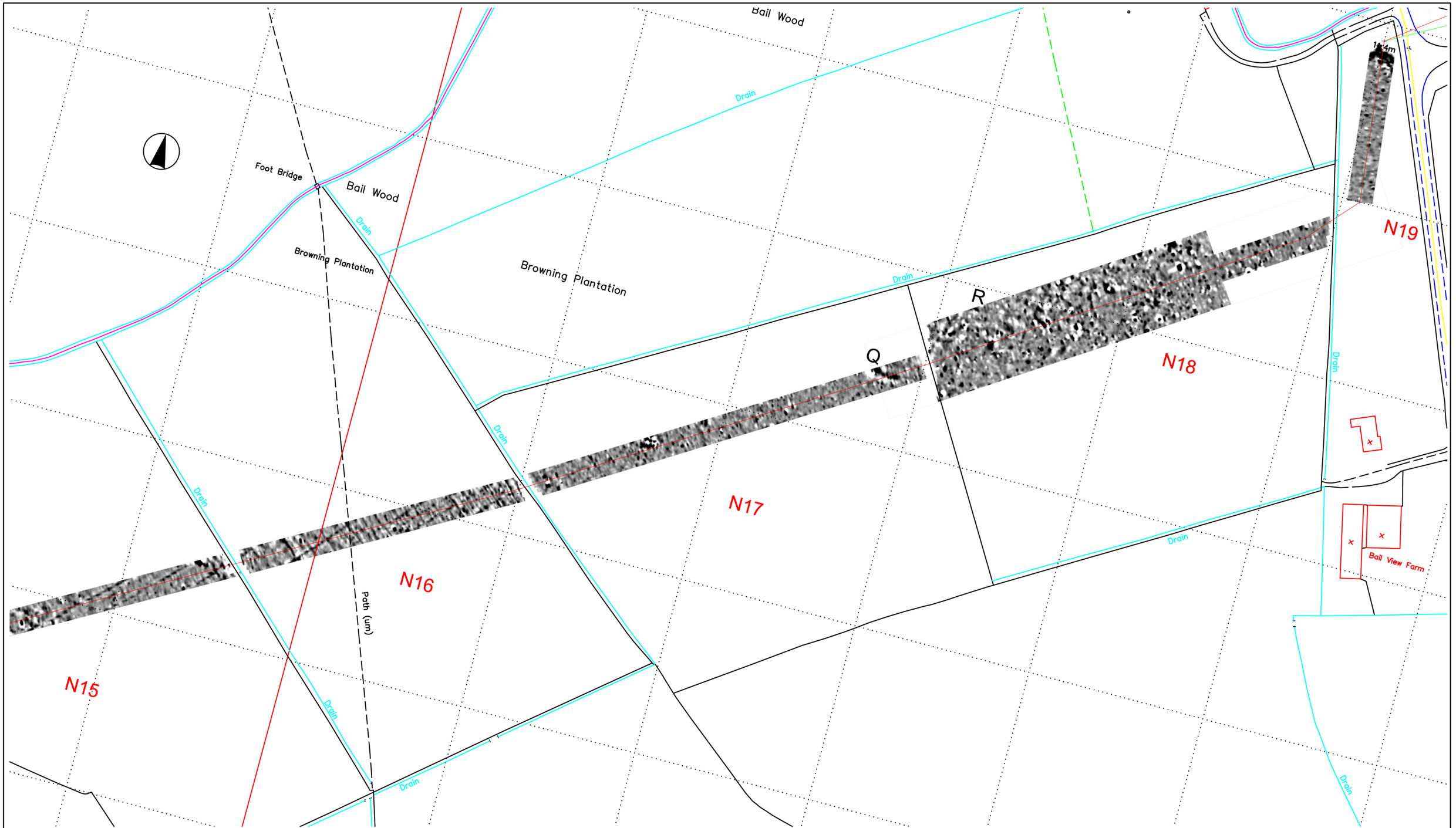
1:2000

0 100m

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 18:
Magnetometer Survey
Fields N13 - N15



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+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

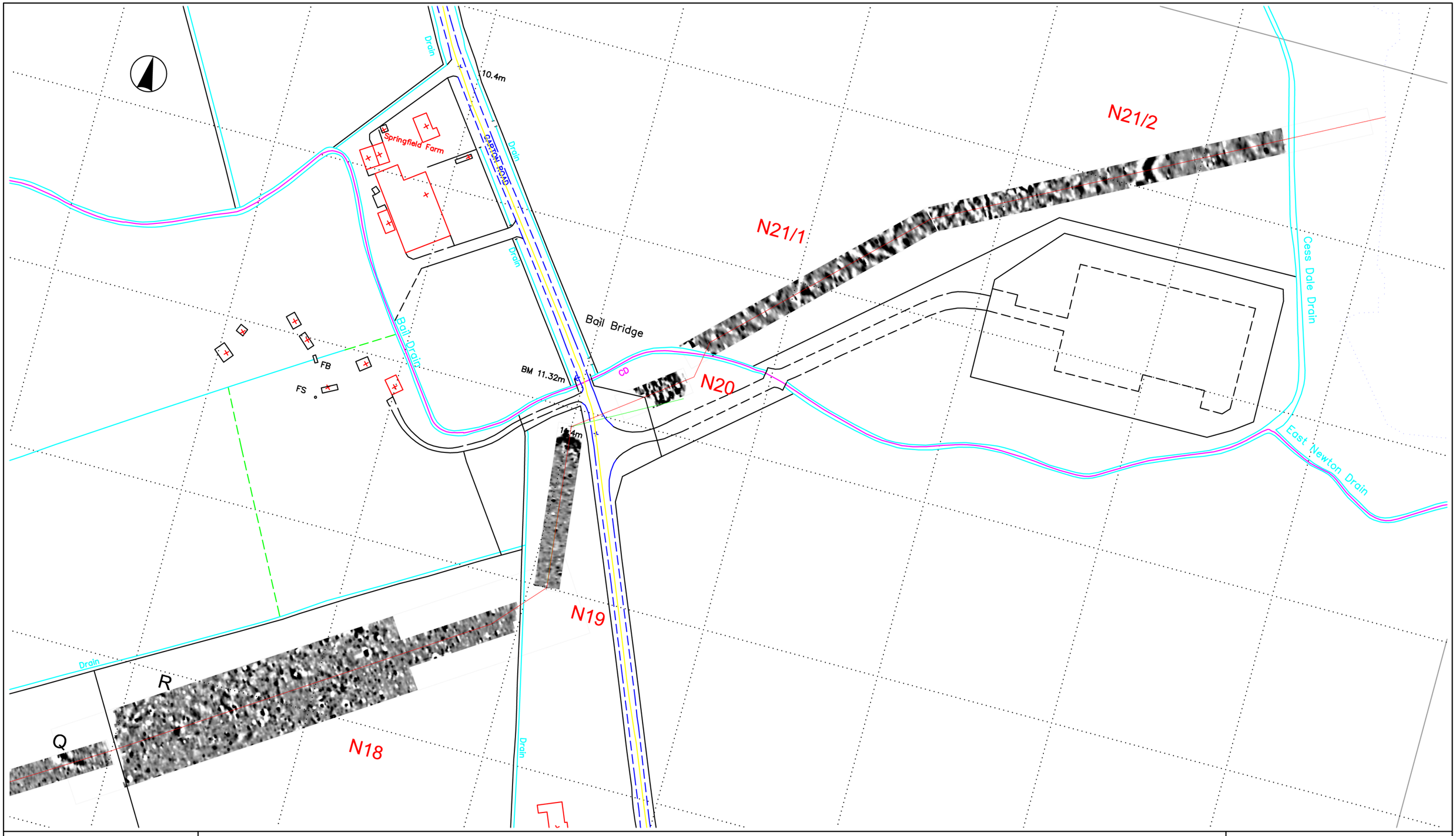
1:2000

0 100m

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 19:
Magnetometer Survey
Fields N15 - N19



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+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(grey scale plot)

1:2000

0 100m

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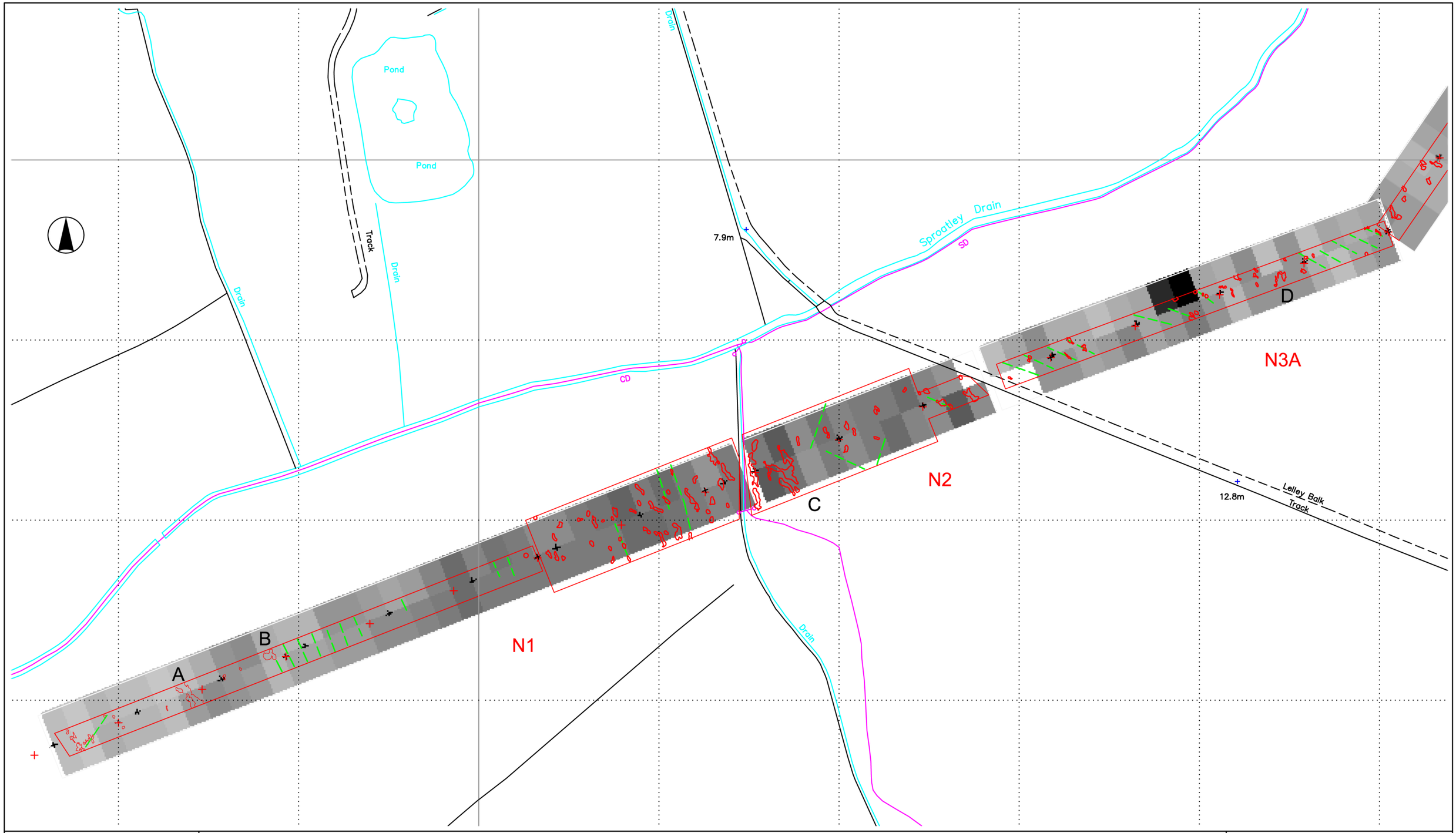
Geophysical Survey
2004-5

TITLE: Figure 20:
Magnetometer Survey
Fields N18 - N21



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65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

Sproatley to Aldbrough Proposed Transco Pipeline

Geophysical Survey 2004-5

TITLE: Figure 21: Magnetic Susceptibility Survey Fields N1 - N3

Drain

Sproatley Drain

SD

Pond

N3A

N3B

D

E

F

G

North Field

N4

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65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

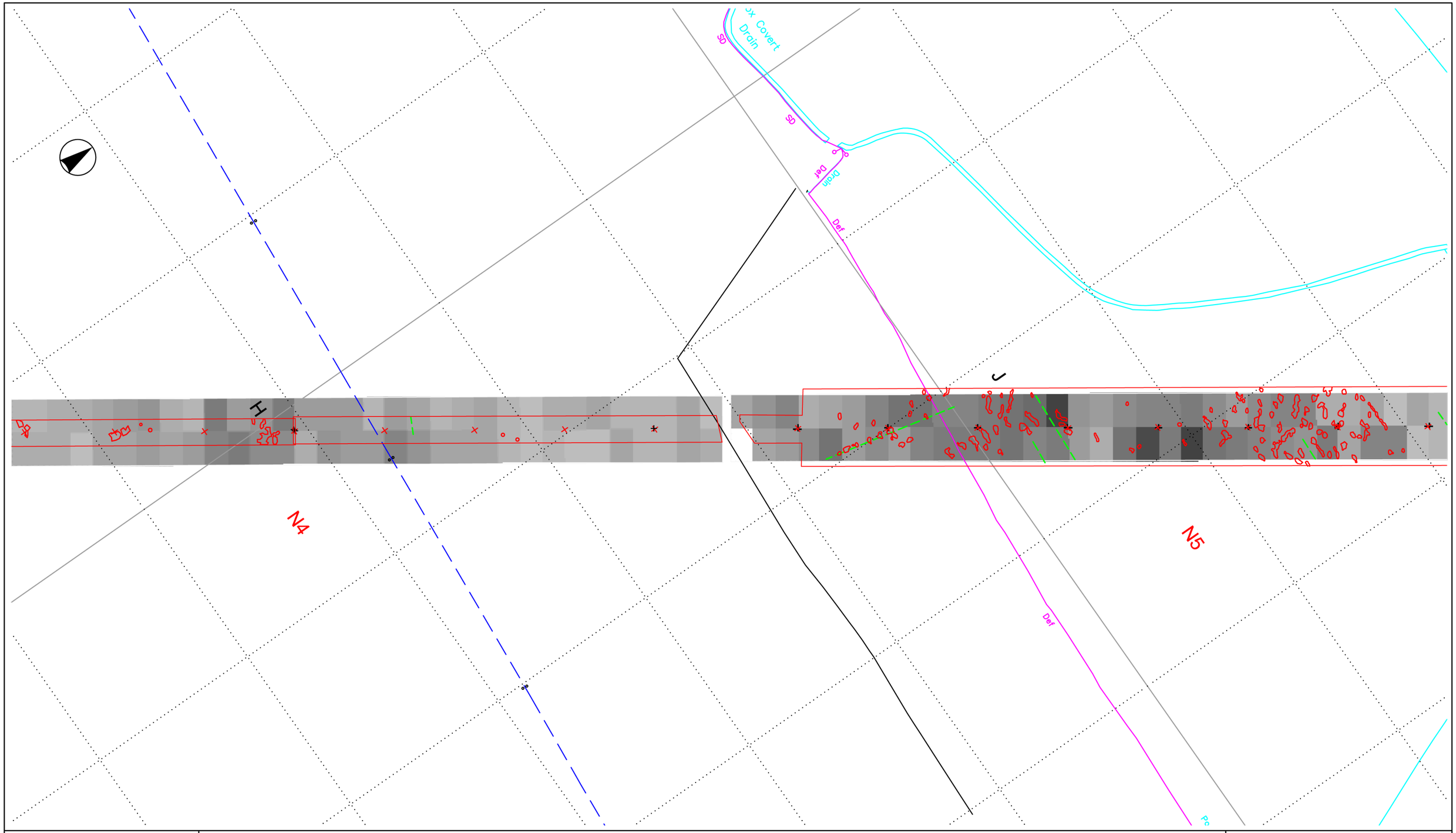
Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 22:
Magnetic Susceptibility
Survey Fields N3 - N4



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65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

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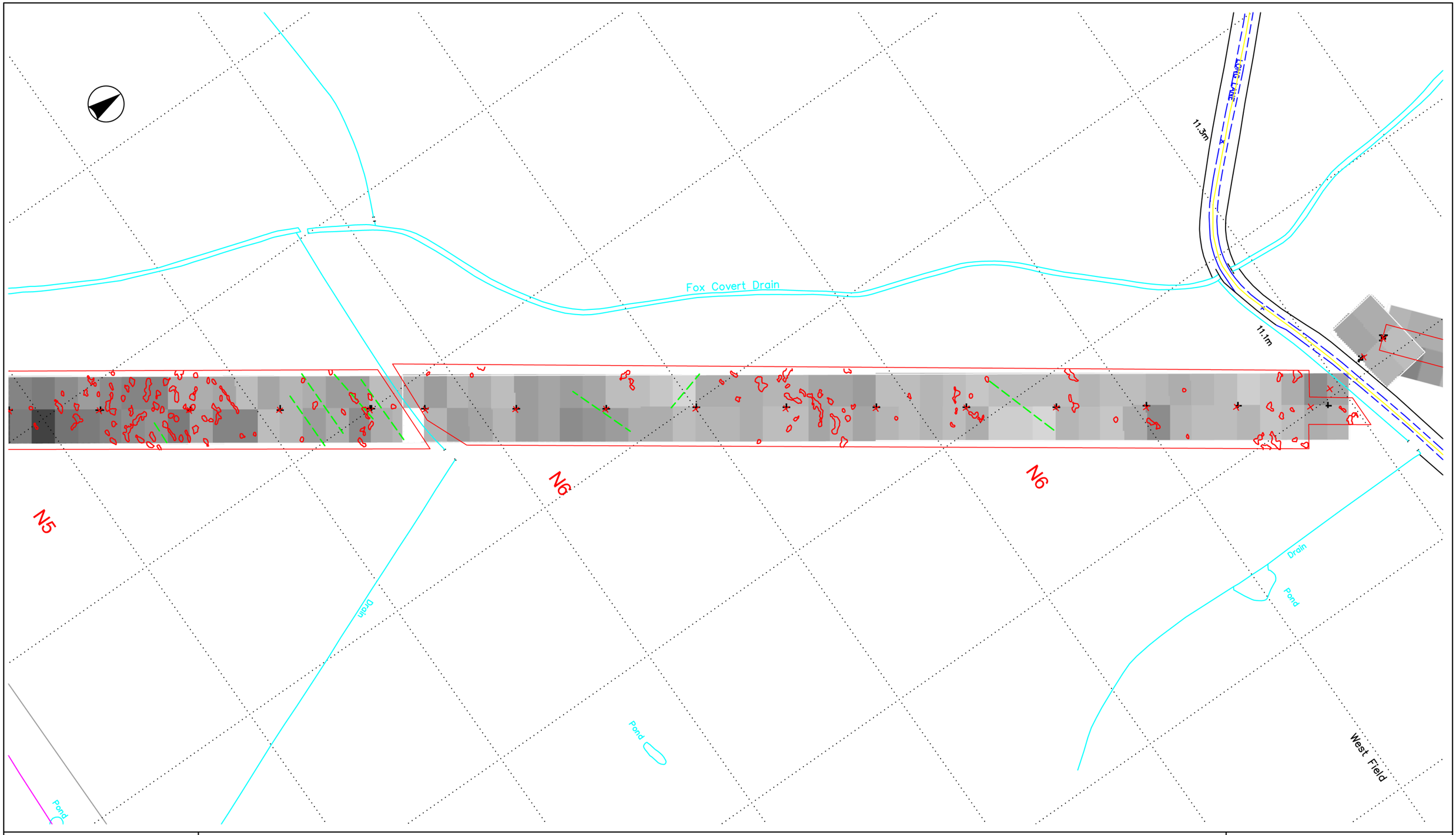
Geophysical Survey 2004-5

TITLE: Figure 23: Magnetic Susceptibility Survey Fields N4 - N5



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65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

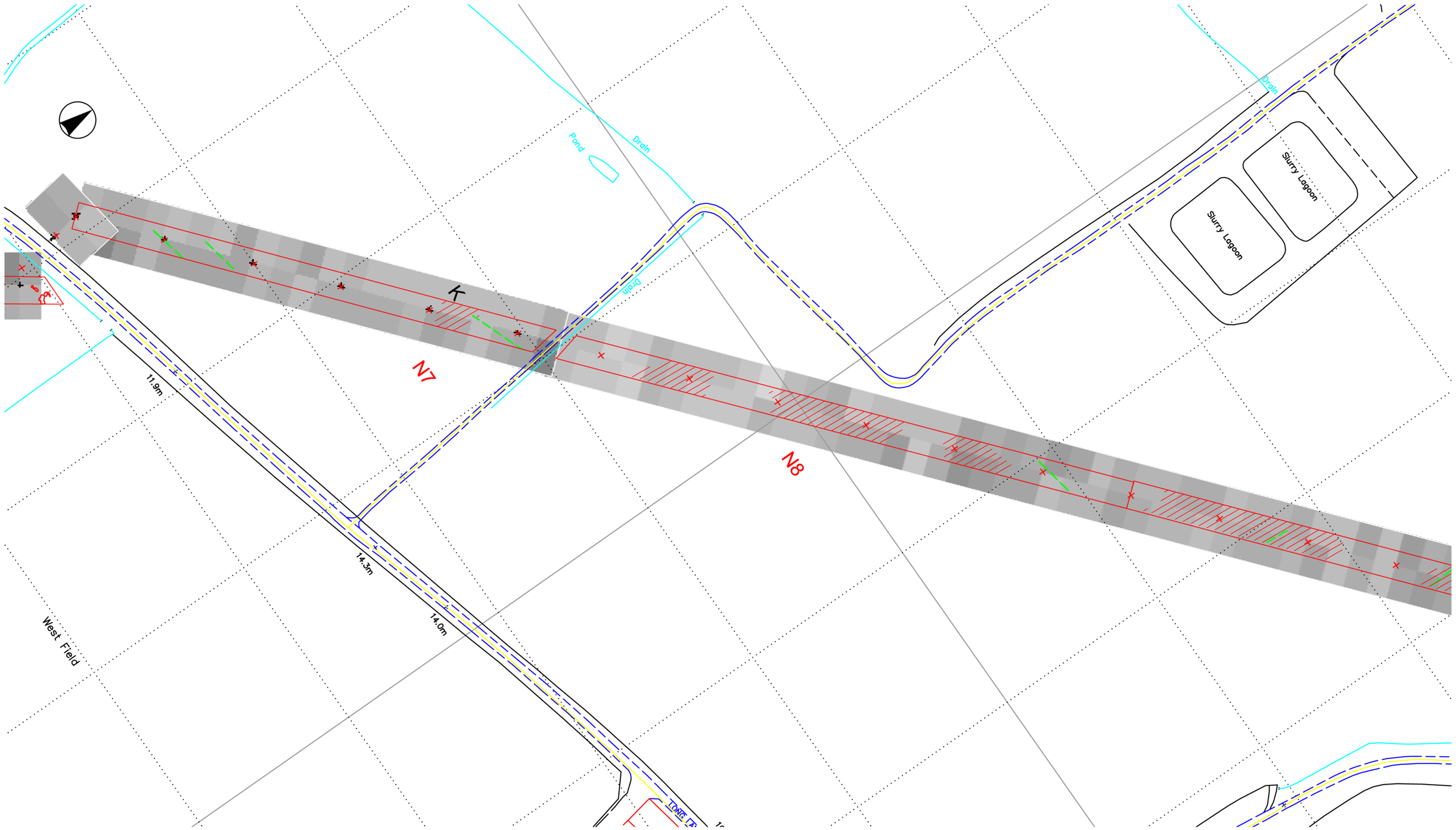
0 100m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

Sproatley to Aldbrough Proposed Transco Pipeline

Geophysical Survey 2004-5

TITLE: Figure 24: Magnetic Susceptibility Survey Fields N5 - N6



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65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

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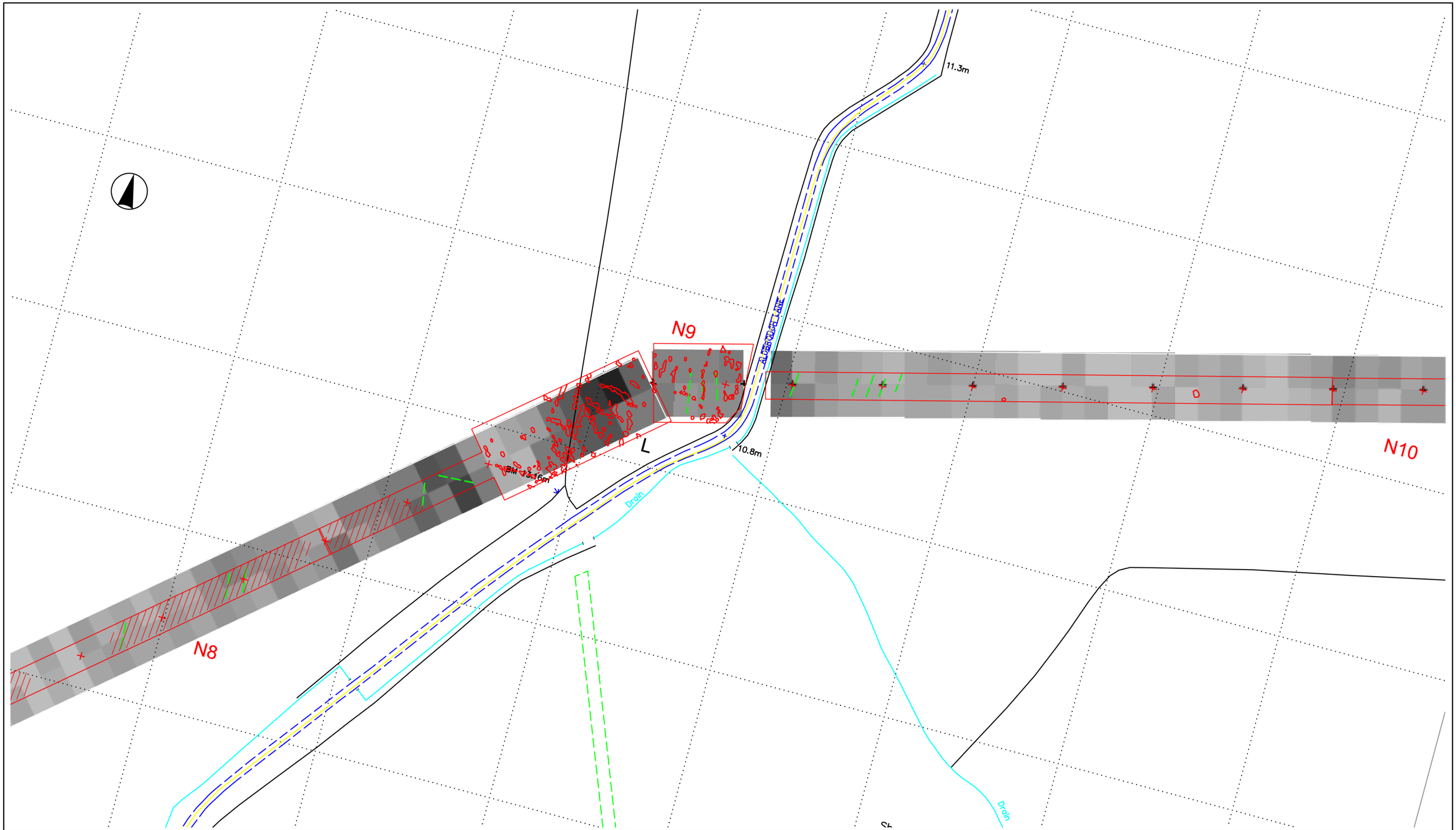
Geophysical Survey 2004-5

TITLE: Figure 25: Magnetic Susceptibility Survey Fields N7 - N8



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65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

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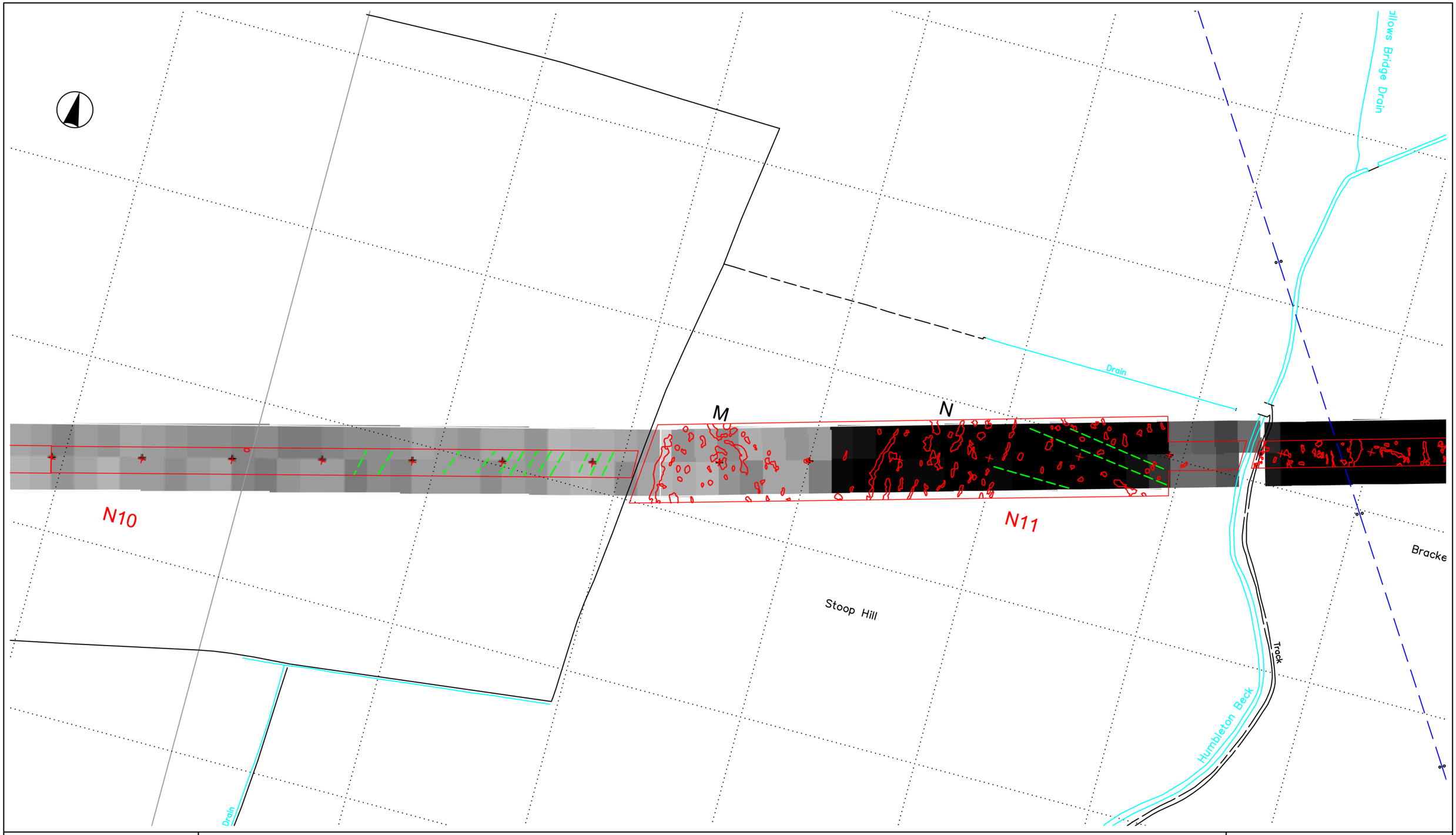
Geophysical Survey 2004-5

TITLE: Figure 26: Magnetic Susceptibility Survey Fields N8 - N10



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65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

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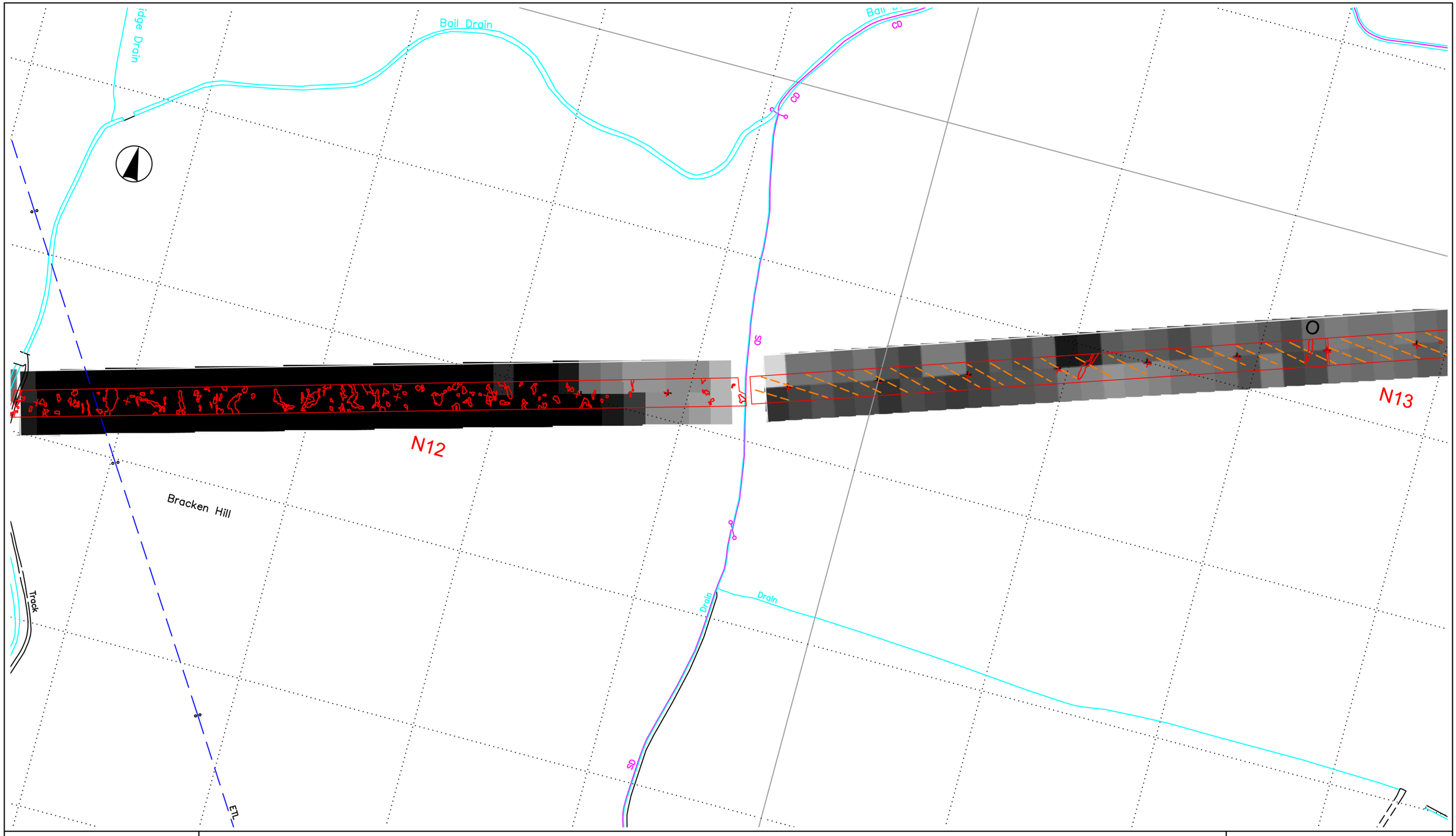
TITLE: Figure 27: Magnetic Susceptibility Survey Fields N10-N11



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65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

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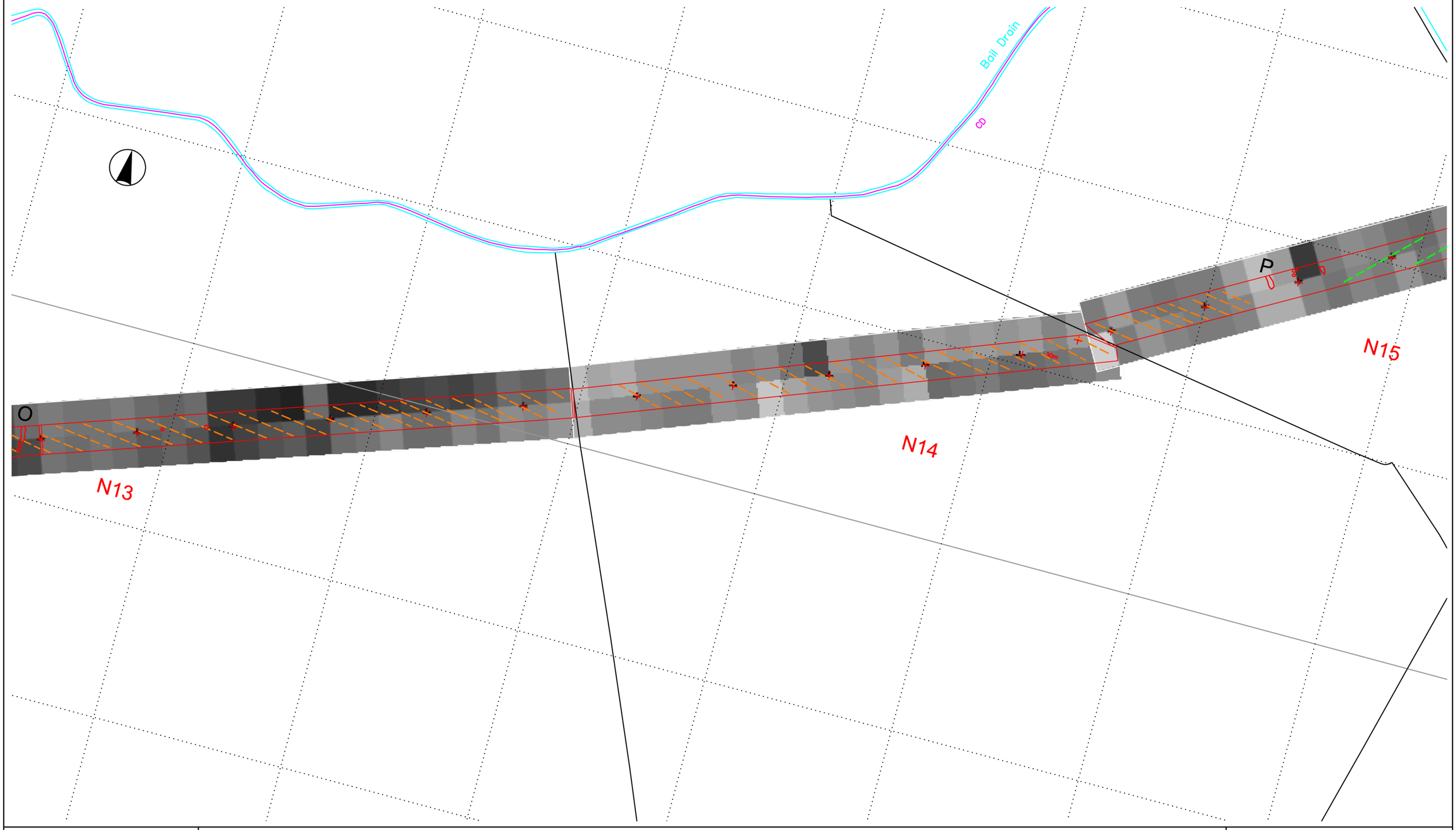
TITLE: Figure 28: Magnetic Susceptibility Survey Fields N12-N13



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65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

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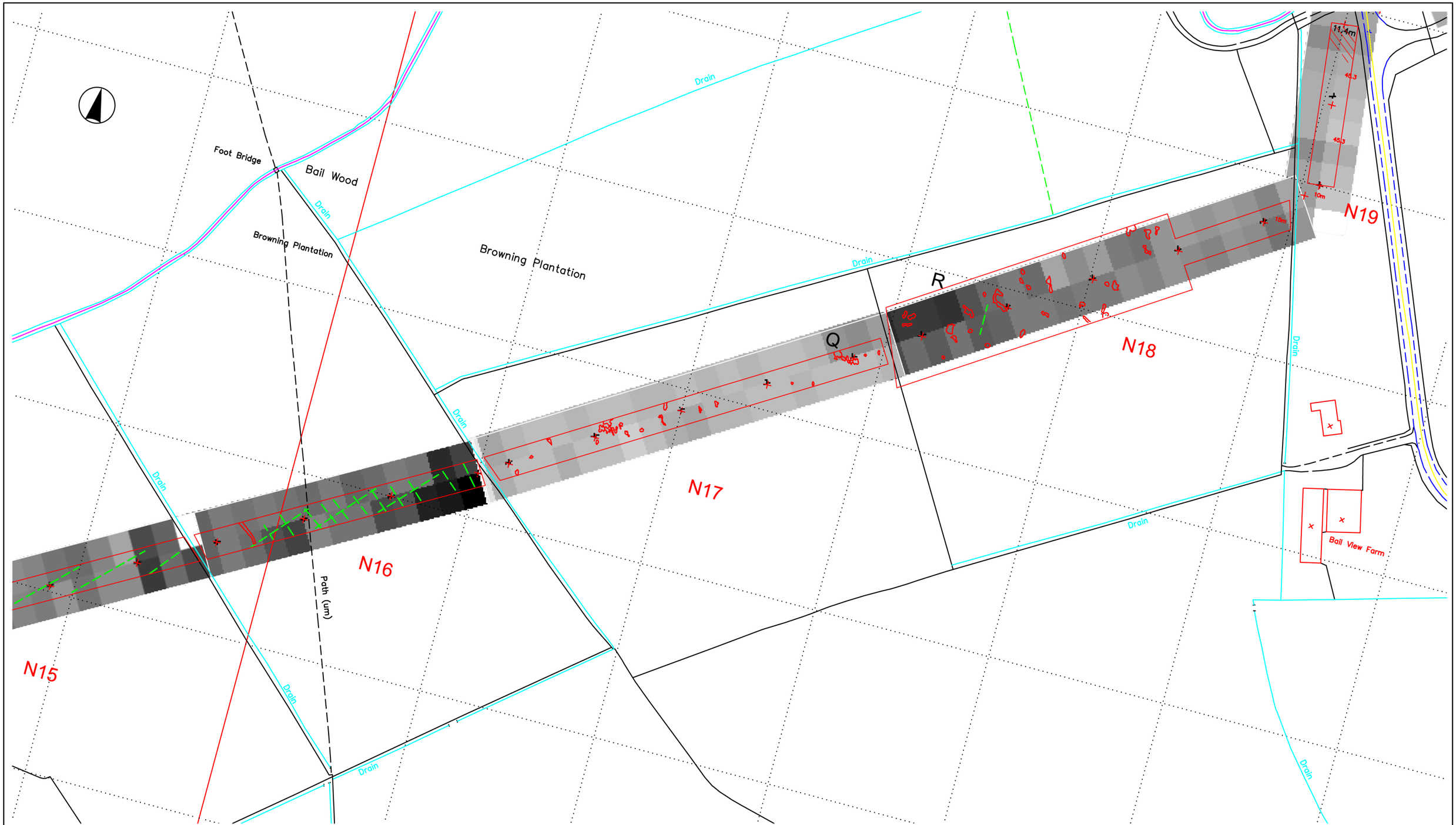
Geophysical Survey 2004-5

TITLE: Figure 29: Magnetic Susceptibility Survey Fields N13-N15



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(01289 816174)

65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

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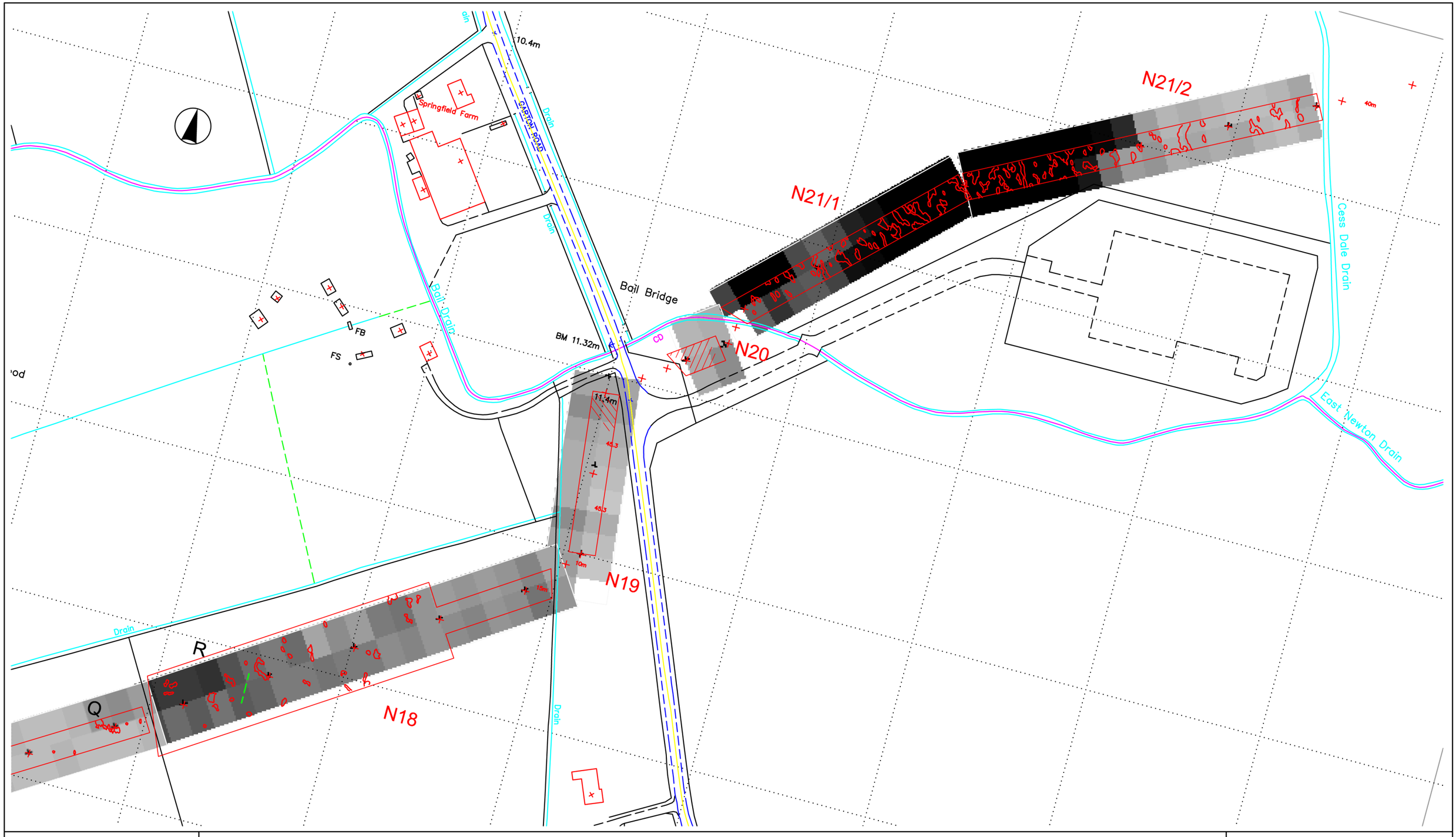
Geophysical Survey 2004-5

TITLE: Figure 30: Magnetic Susceptibility Survey Fields N15 - N19



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(01289 816174)

65 (x 10^{-5}SI)

Magnetic susceptibility survey

0

Magnetic Susceptibility Survey
(with interpretation of magnetometer survey)

1:2000

0 100m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

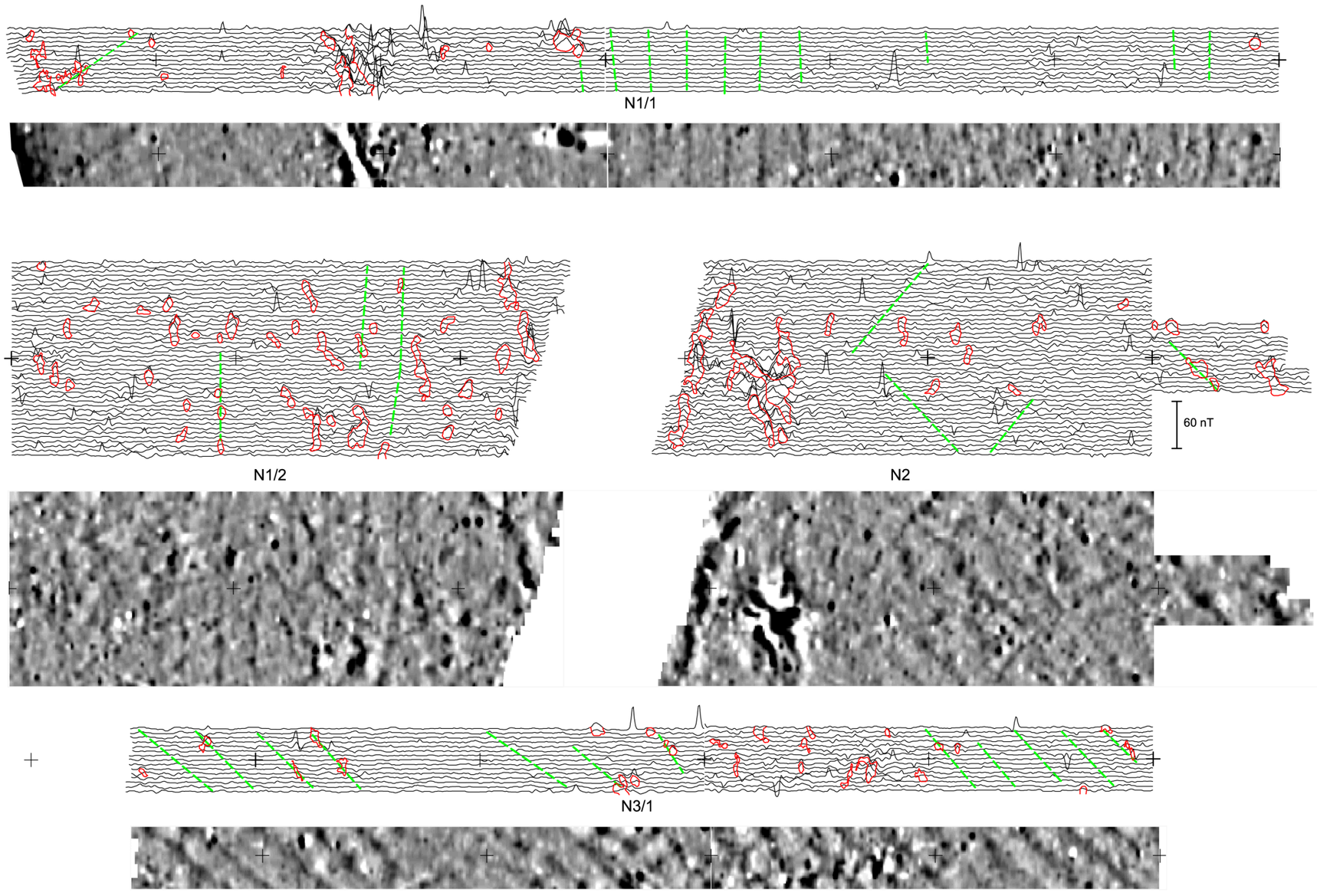
Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 31:
Magnetic Susceptibility
Survey Fields N18 - N21



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(01289 816174)

+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(with interpretation)

1:1000

0 50m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

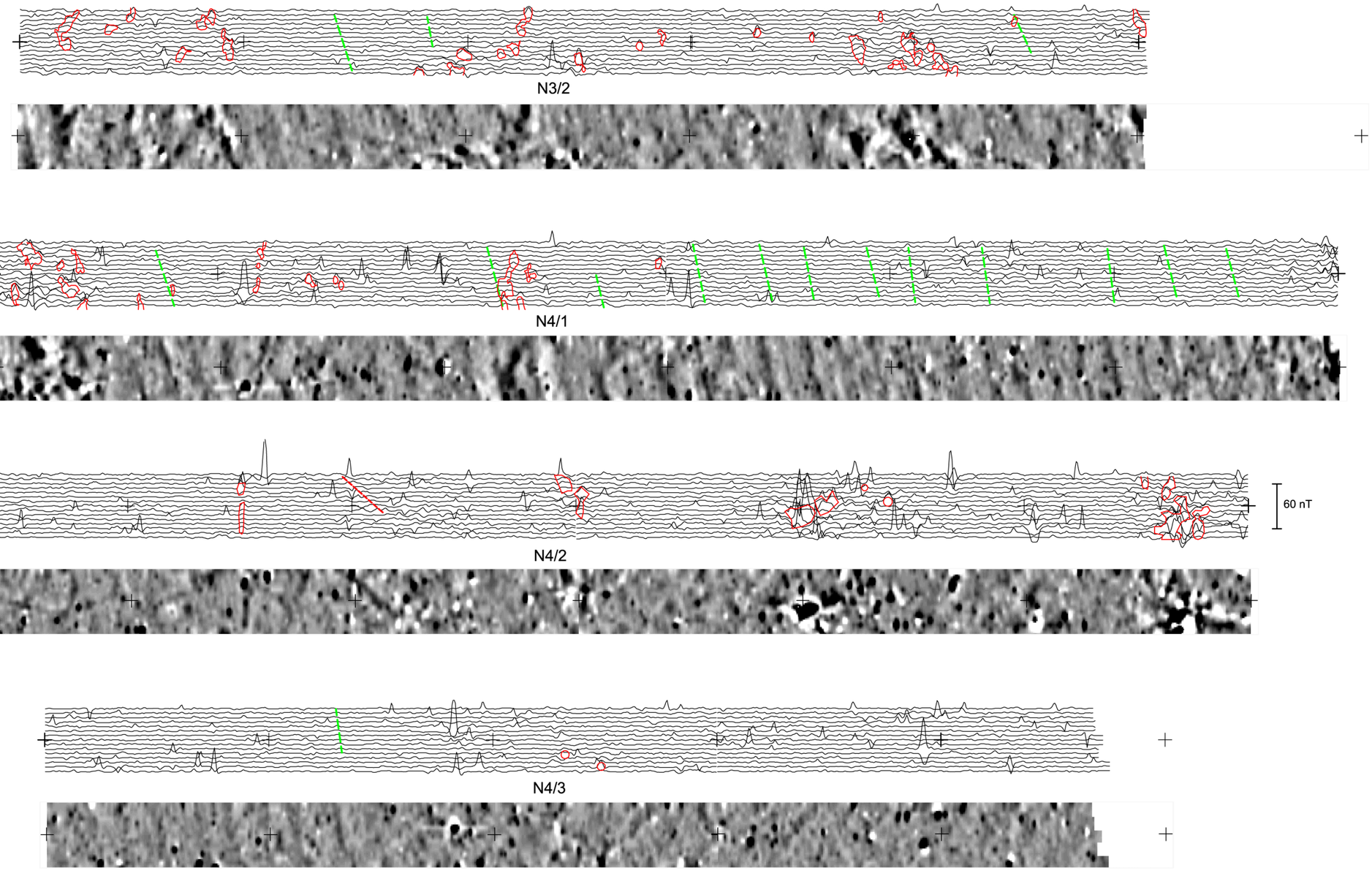
Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

Sproatley to Aldbrough Proposed Transco Pipeline

Geophysical Survey 2004-5

TITLE: Figure 32: Magnetometer Survey Fields N1 - N3



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(01289 816174)

+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey
(with interpretation)

1:1000

0 50m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

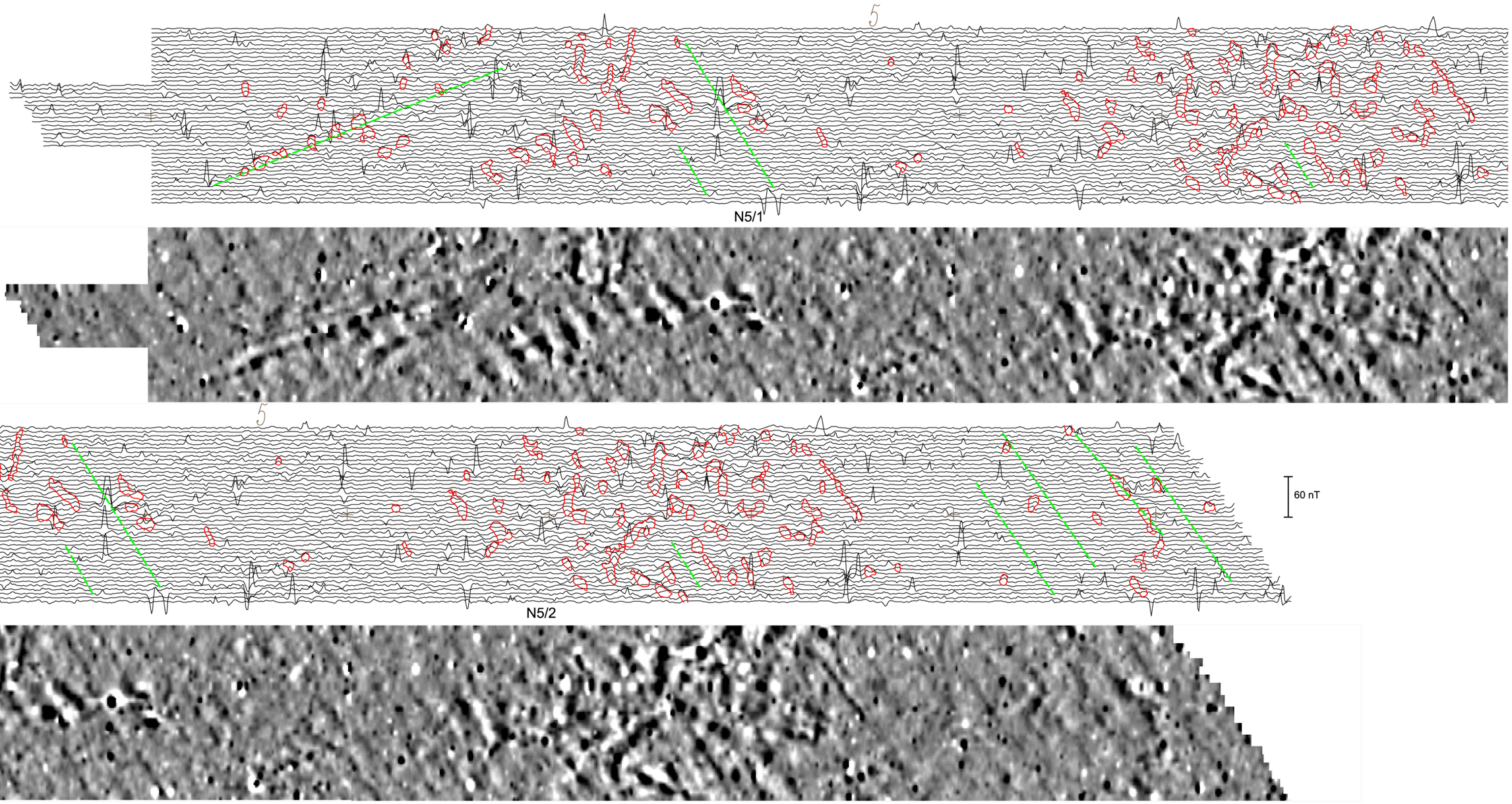
Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 33:
Magnetometer Survey
Fields N3-N4



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(01289 816174)

+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(with interpretation)

1:1000

0 50m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

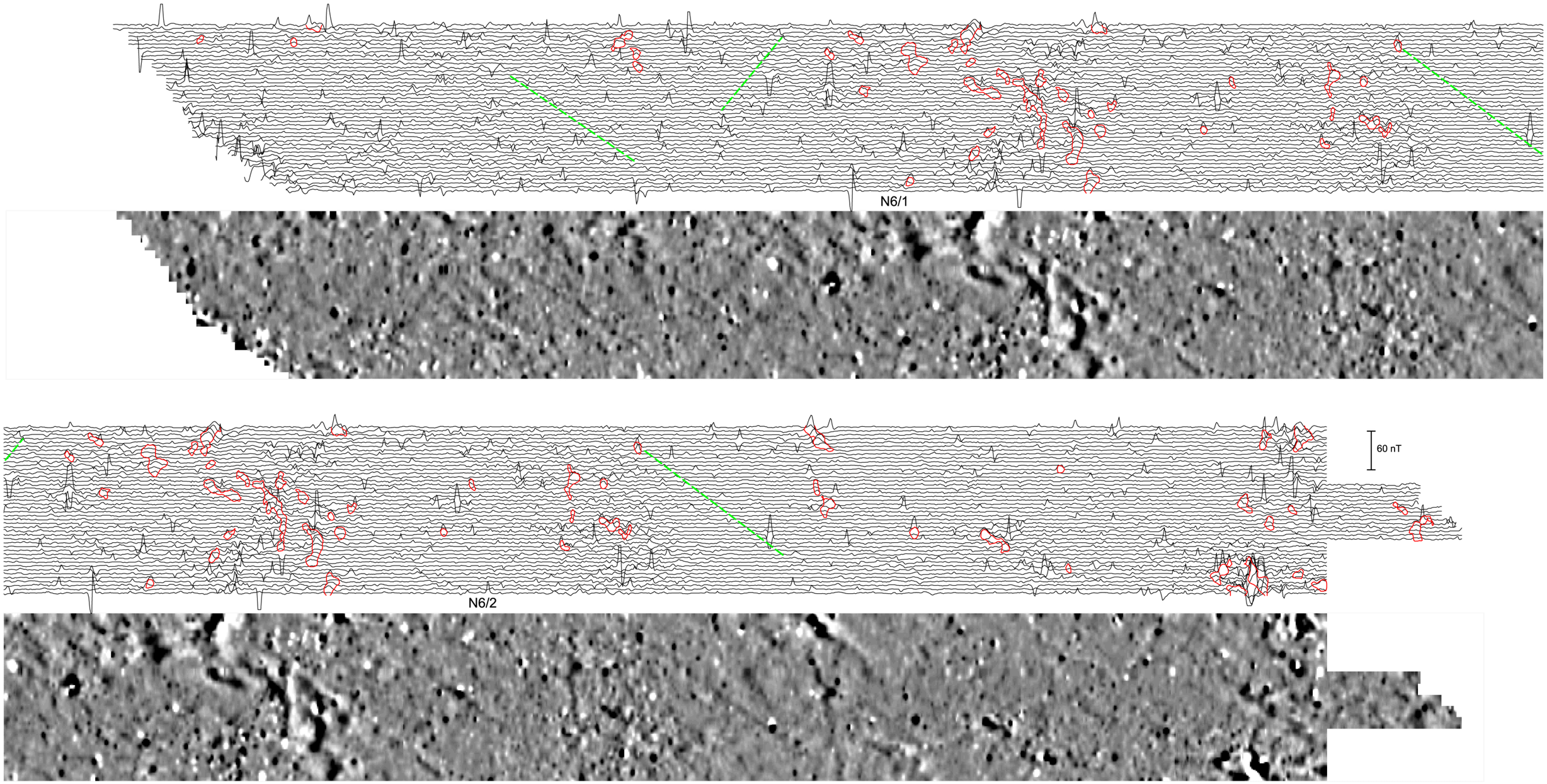
Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

Sproatley to Aldbrough Proposed Transco Pipeline

Geophysical Survey 2004-5

TITLE: Figure 34: Magnetometer Survey Field N5



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MK18 1NU
(01289 816174)

+2.4 nT

Magnetometer survey

-2.4 nT

Magnetometer Survey

(with interpretation)

1:1000

0 50m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

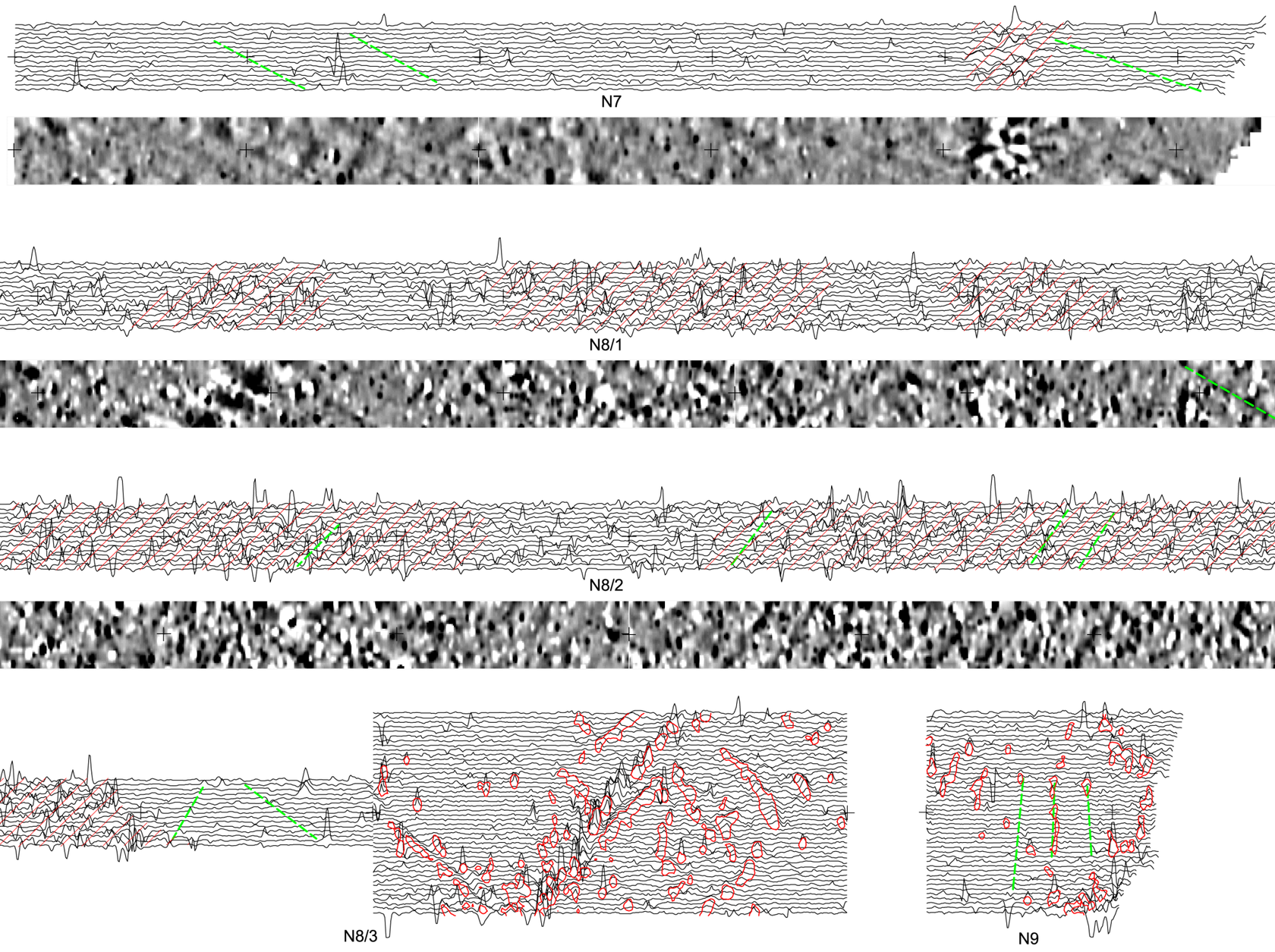
Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 35:
Magnetometer Survey
Field N6



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for:

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22 High Street
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MK18 1NU
(01289 816174)

+2.2 nT

Magnetometer survey

-2.0 nT

Magnetometer Survey

(with interpretation)

1:1000

0 50m

- Magnetic anomalies
- Linear magnetic anomalies (cultivation ?)
- Magnetically disturbed area (recent / non-archaeological ?)
- Field drain ?

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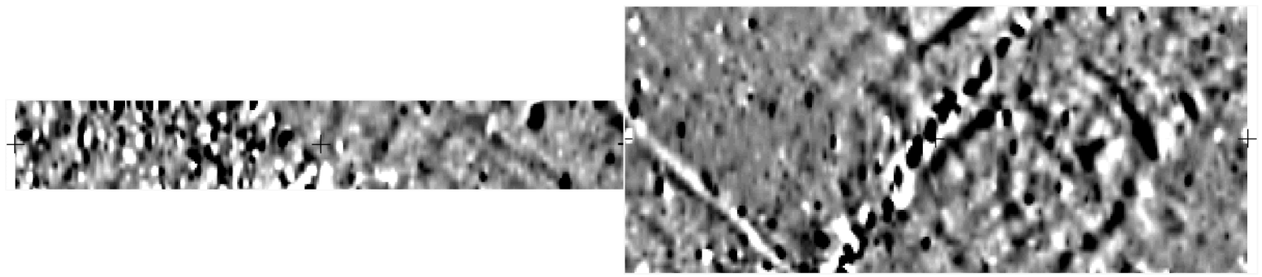
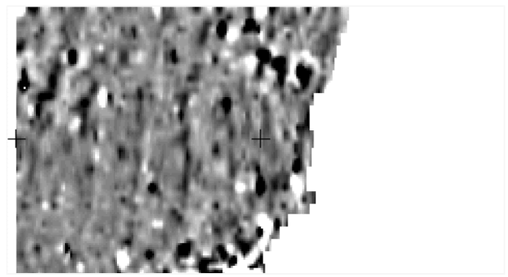
Geophysical Survey 2004-5

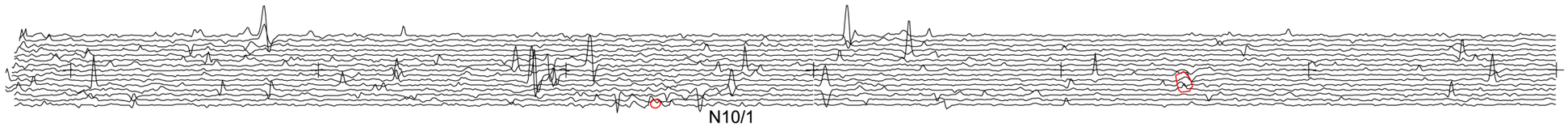
TITLE: Figure 36: Magnetometer Survey Fields N7-N9



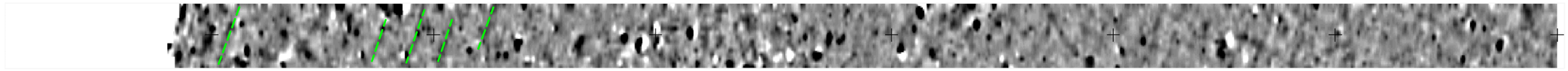
N8/3

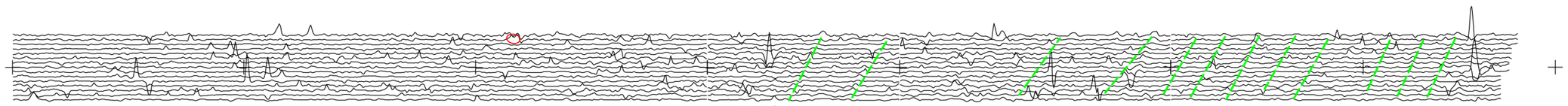


N9

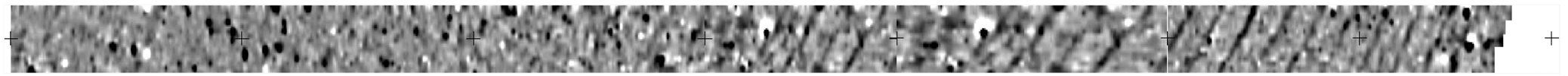


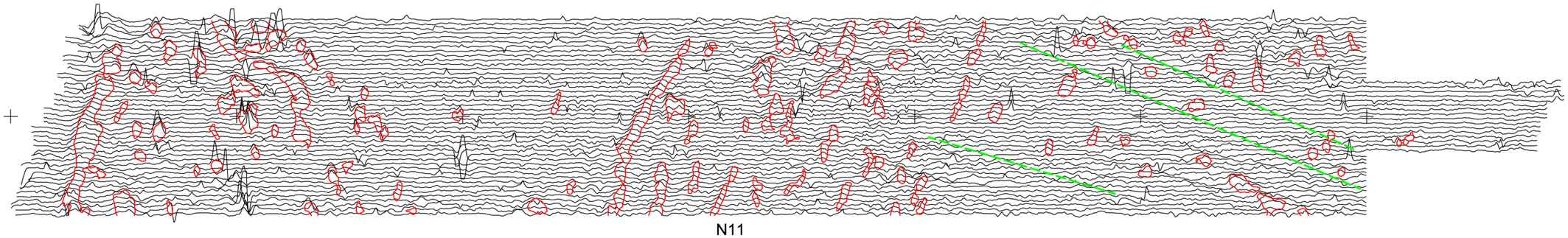
N10/1





N10/2





N11

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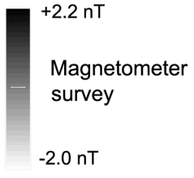


Magnetometer Survey

(with interpretation)

1:1000

0 50m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

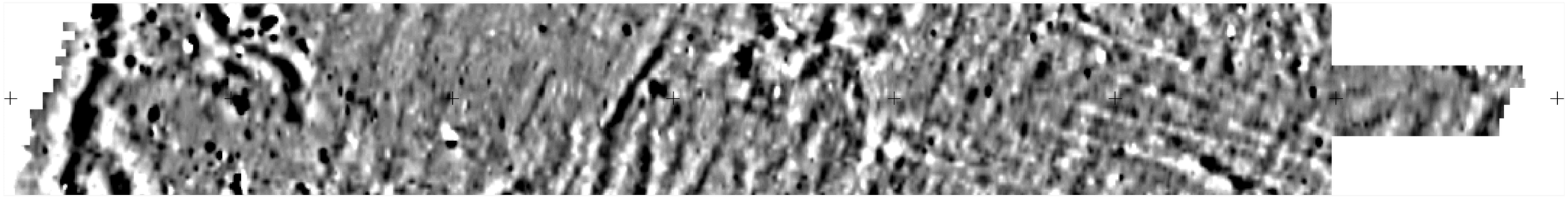
Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

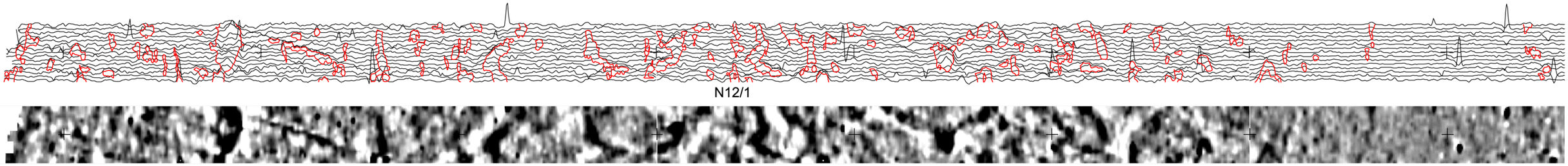
Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

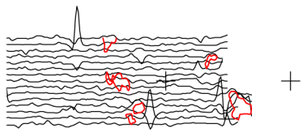
TITLE: Figure 37:
Magnetometer Survey
Fields N8 - N11



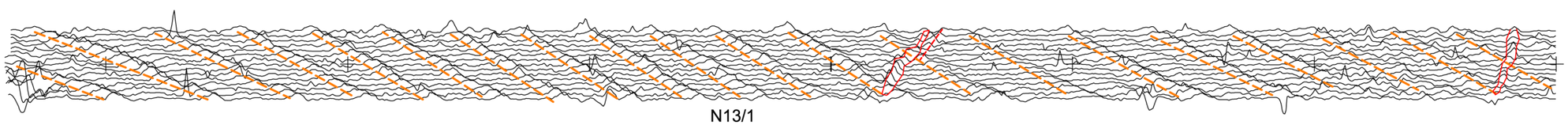
N11



N12/1

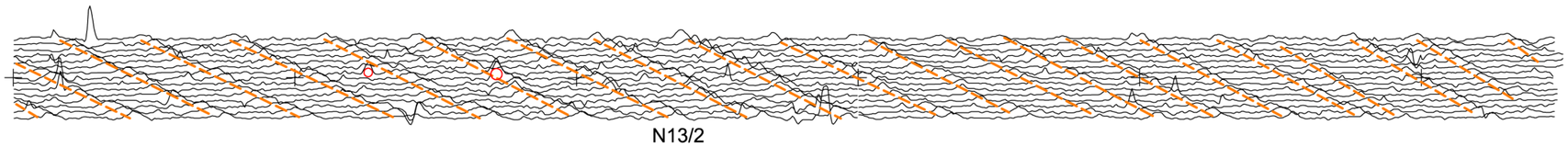


12/2



N13/1

80 nT



N13/2

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+2.2 nT

Magnetometer survey

-2.0 nT

Magnetometer Survey

(with interpretation)

1:1000

0 50m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

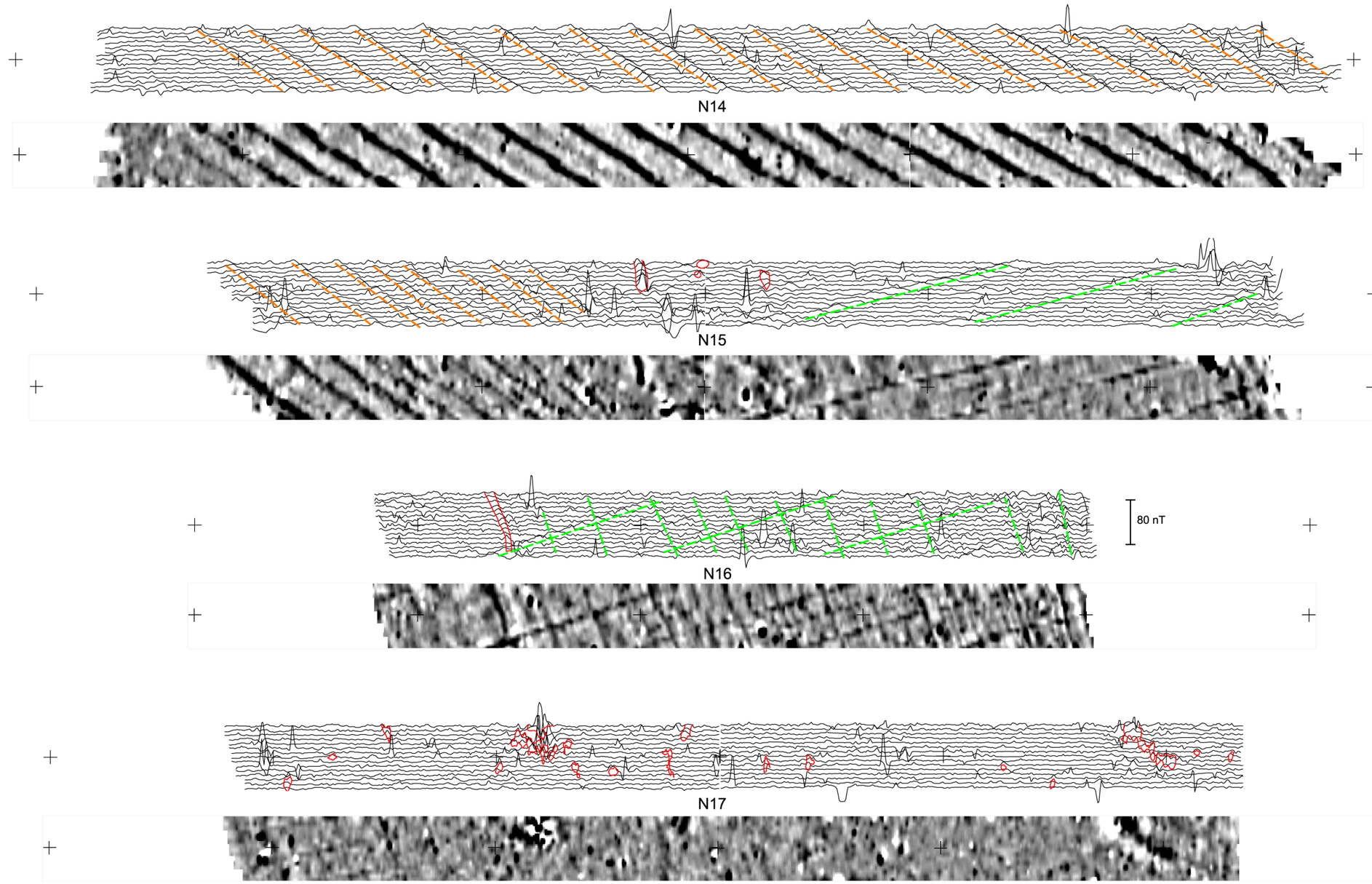
Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 38:
Magnetometer Survey
Fields N11 - N13



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+2.2 nT

Magnetometer survey

-2.0 nT

Magnetometer Survey

(with interpretation)

1:1000

0 50m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

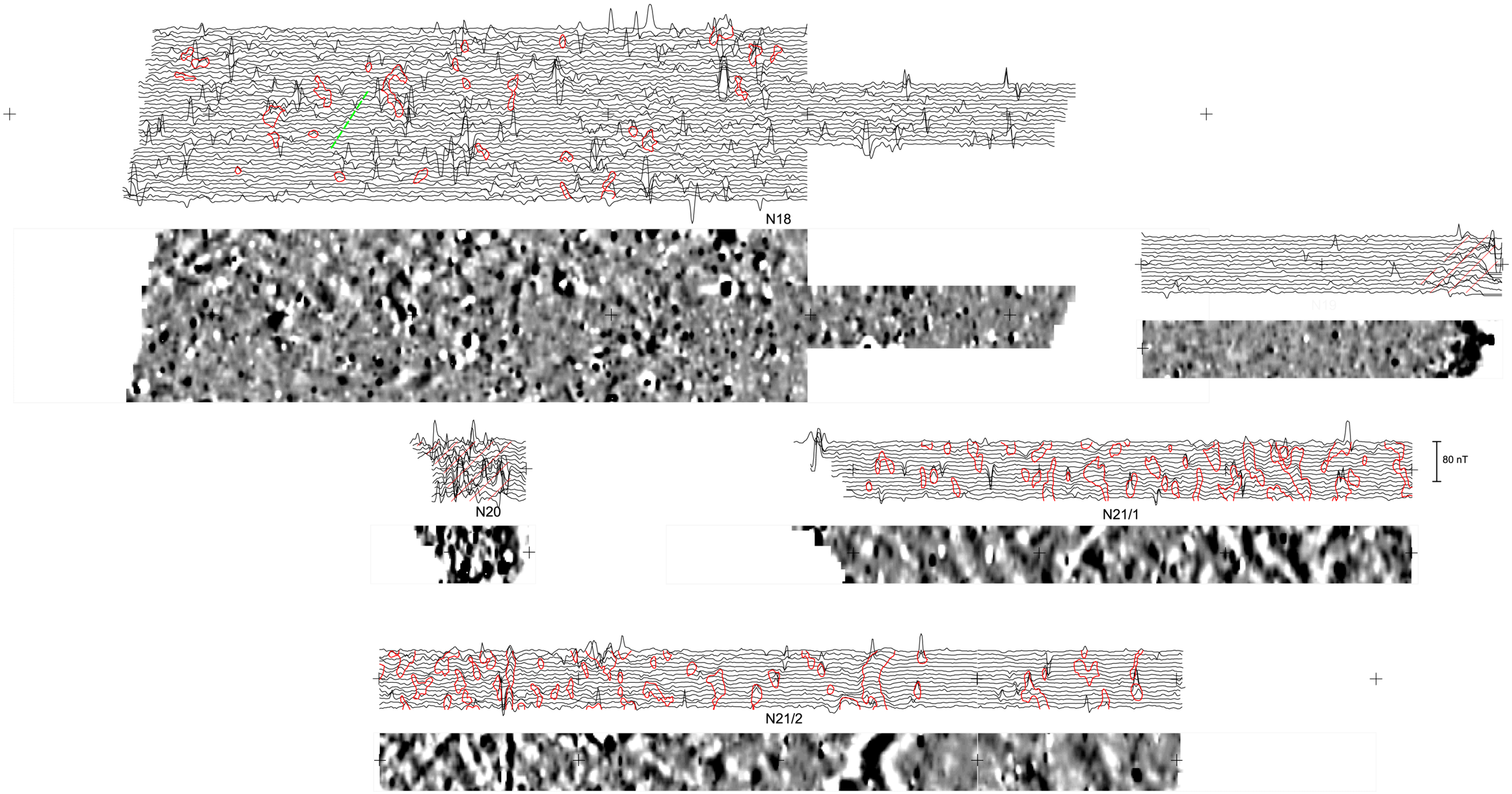
Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 39:
Magnetometer Survey
Fields N14 - N17



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+2.2 nT

Magnetometer survey

-2.0 nT

Magnetometer Survey

(with interpretation)

1:1000

0 50m

Magnetic anomalies

Linear magnetic anomalies (cultivation ?)

Magnetically disturbed area (recent / non-archaeological ?)

Field drain ?

Sproatley to Aldbrough
Proposed Transco Pipeline

Geophysical Survey
2004-5

TITLE: Figure 40:
Magnetometer Survey
Fields N18 - N21