



Norfolk County Council

Norfolk Minerals and Waste Development Framework

Revised Policies Map



December 2017
Norfolk County Council
Community and Environmental Services

Norfolk Minerals and Waste Development Framework

Revised Policies Map

December 2017

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Contents

● Introduction	4
● Legend	8
● Inset Plan	9
● Insets 1 – 26 Mineral Safeguarding Areas	10
● Insets 1 – 26 Policies	37
● Regionally Important Geological Sites Insets 27 – 30	64
● Air Quality Management Areas Insets 31, 33, 33a	69
● Airport Safeguarding Legend & Insets 34 – 35	73
● Mineral site specific allocation insets	77
● Areas of Search for silica sand insets	98
● Waste site specific allocation insets	103
● Data Sources	125

Introduction

This set of maps is an accompaniment to the Norfolk Minerals and Waste Site Specific Allocations DPDs and is designed to act as a visual aid in the interpretation of the policies therein, as well as the policies contained within the adopted Core Strategy and Minerals and Waste Development Management Policies DPD (the 'Core Strategy').

The Mineral Safeguarding Areas shown on the key diagram in the 'Core Strategy' as identified resources for sand and gravel, carstone and silica sand are reproduced in greater detail within the Policies Map and are used to support the Core Strategy policy CS16 – Safeguarding.

Those areas which are safeguarded as part of Core Strategy policy CS16 related to existing mineral extraction, mineral infrastructure, key wastewater treatment works, and waste management sites have been updated to take into account changes in the status of sites are shown on the Policies Map. Mineral infrastructure covers uses such as rail heads/links to quarries, wharfage and associated storage, concrete batching and coated material plants where these are not covered by safeguarding in respect of an existing mineral extraction operation, and are the subject of a planning permission determined by the Mineral Planning Authority.

A list of safeguarded existing sites will be available from the Norfolk County Council website by following the link www.norfolk.gov.uk/nmwdf, and clicking on Annual Monitoring Reports, this will be updated as part of the monitoring process.

It should be recognised that the existing sites shown in this Policies Map are correct at the time of printing; however, the status of these sites and the area which they cover can vary over time, as the result of subsequent planning permissions etc. As the Policies Map is required to cover the whole of Norfolk, and while every effort has been made to ensure clarity to show the overall spatial interaction between policies, it is recognised that limitations exist for identifying existing site boundaries, however it is not intended that it be used for this purpose in relation to site safeguarding (Policy CS16). If more detailed views of the boundaries of a particular site and its consultation area are required it is advised that the online version of the Policies Map should be consulted, this allows users to view the Policies Map at far greater levels of detail, and also allows particular layers of information to be selected and viewed.

The online Policies map can be viewed by following the link at www.norfolk.gov.uk/nmwdf

This Policies Map has been segregated into two sets of 26 insets to allow for easier viewing. The first set covers all spatial information related to policies with the exception of Mineral Safeguarding Areas, these are covered in the second set of insets. The airport safeguarding maps has been separated out into a further two insets as its large features make it more suited to separate presentation. The Air Quality Management Areas (AQMAs) and Regionally Important Geological Sites- RIGS (also known as Local Geodiversity Sites) have been shown on seven further insets as their small scale made this necessary for the sake of clarity.

The following changes have been made to the Policies Map as a result of the adoption of the Single Issue Silica Sand Review of the Minerals Site Specific Allocations Development Plan Document in December 2017:

- New inset maps for the allocated Areas of Search (AOS E, AOS F, AOS I, AOS J) and the specific site SIL 01. These allocations have also resulted in changes to the following main Policies Map Insets: 2, 3, 7, and 8.

The following maps have also been revised to keep the Policies Map as up-to-date as possible:

- Airport Safeguarding legend and Insets 34-35 (to take into account changes to the number of safeguarded facilities and the way the Defence Infrastructure Organisation categorise development)
- Air Quality Management Areas: inset 32 has been removed to take into account the removal of the East Wretham AQMA; changes have been made to inset 33 to reflect updates to the boundary of the Norwich AQMA; inset 33A has been added due to the designation of Swaffham AQMA. These changes to AQMAs have resulted in the revision of main Policies Map insets 7, 8, 15, 16, and 18.

The Policies Map will be revised as each new development plan document is adopted and will reflect the up to date planning strategy in Norfolk.

Definition of Mineral Safeguarding Areas

National policy background

The National Planning Policy Framework includes the safeguarding of mineral resources as one of the policies for minerals planning.

In Paragraph 143 Local Planning Authorities (LPAs) are obliged to define Mineral Safeguarding Areas (MSAs) and Mineral Consultation Areas (MCAs) as follows:

- define Minerals Safeguarding Areas and adopt appropriate policies in order that known locations of specific minerals resources of local and national importance are not needlessly sterilised by non-mineral development, whilst not creating a presumption that resources defined will be worked; and define Minerals Consultation Areas based on these Minerals Safeguarding Areas;
- safeguard: existing, planned and potential rail heads, rail links to quarries, wharfage and associated storage, handling and processing facilities for the bulk transport by rail, sea or inland waterways of minerals, including recycled, secondary and marine-dredged materials; and
- existing, planned and potential sites for concrete batching, the manufacture of coated materials, other concrete products and the handling, processing and distribution of substitute, recycled and secondary aggregate material.
- set out policies to encourage the prior extraction of minerals, where practicable and environmentally feasible, if it is necessary for non-mineral development to take place

In Paragraph 144 the NPPF states that ‘When determining planning applications, local planning authorities should:

- give great weight to the benefits of the mineral extraction, including to the economy; and
- not normally permit other development proposals in mineral safeguarding areas where they might constrain potential future use for these purposes.

Norfolk Minerals and Waste Core Strategy policy

In paragraph 6.86 of the Core Strategy the relationship between Minerals Safeguarding Areas and Minerals Consultation Areas is set out this is reproduced below.

- For safeguarding mineral resources, the Minerals Consultation Area (MCA) is the same defined area as the MSA, which requires the District and Borough Councils to consult the County Planning Authority on applications for any form of development received within these areas, which are likely to affect or be affected by mineral working and meet the criteria outlined in Appendix C (*of the Core Strategy*).

The County Council will object to such development unless it can be shown that the mineral is not of economic value or that, where practicable, the mineral will be worked before the development takes place.

Evidence base

Minerals are a finite natural resource and can only be worked where they exist. Mineral working is becoming increasingly constrained by the need to protect the key environmental, heritage and amenity assets of Norfolk, which limits the amount of resource available in practice.

The primary evidence base for defining mineral resources as MSAs is the Norfolk Mineral Resources Map 2004 (as amended) by the BGS Digimap-50.

There are three broad types of mineral resources which the County Council will safeguard; these are aggregate (sand and gravel), silica sand, and carstone.

Deposits of aggregates are widely distributed across Norfolk, and there are very considerable resources. To ensure that the safeguarding areas are proportionate, the area covered by the MSA will include only those deposits which are most likely to be commercially viable. This will normally be those deposits with the highest proportion of gravel; Table 1 shows the superficial geology types which have been included within the indicative sand and gravel safeguarding area. There are two main types of geology, bedrock and superficial. In Norfolk, chalk is the main bedrock material, along with younger crag (sand and gravel), and other sedimentary deposits in some areas. The superficial geology is made up of more recent deposits generally of a sedimentary nature from either ancient river systems or as a result of glacial activity, during the Quaternary Period (the most recent geological period).

Table 1: Superficial geology types

BGS superficial geology classifications in Norfolk	Included in indicative sand and gravel resources layer
Calcareous Tufa	n
Clay and Silt	n
Clay, silt and sand	n
Clay, silt, sand and gravel	y
Diamicton	n
Gravel	y
Gravel, sand and silt	y
Gravel, sand, silt and clay	y
Peat	n
Sand	y
Sand and gravel	y
Sand and silt	n
Sand with clay and gravel	y
Sand, silt and clay	n
Sediment, shell	n
Shelly mudstone	n
Unknown lithology	n

Silica sand is scarce both nationally and in Norfolk; and it is defined as an important resource within ‘the National Planning Policy Framework’ and it is appropriate for the entire resource to be safeguarded. The same is true for the area defined as the carstone resource; this is a scarce resource in Norfolk.




The ‘Core Strategy’ and the Minerals Site Specific Allocations document refer to safeguarding areas for silica sand resources. Reference is made in the Core Strategy to the 2004 BGS Mineral Resources Map (as amended). Mineral resource mapping from 2010 uses the updated BGS digital dataset for mineral resources, (BGS Digimap-50 2009) which amended the extents shown in the Mineral Resources map. In translating the extents of mineral resources for silica sand into the Minerals Safeguarding Area for this mineral, in the Norfolk Minerals and Waste Development Framework, the County Council has discussed the interpretation of these BGS datasets with the silica sand operator in Norfolk. The extents shown on the Policies Map are used in connection with Core Strategy Policy CS16 - Safeguarding.

Legend



Areas of Search and allocations

-  Areas of Search
-  Mineral site allocations
-  Consultation area for safeguarded mineral extraction - allocation
-  Waste site allocations
-  Indicative site screening
-  Indicative site buffers






Insets

-  allocation insets
-  AQMA insets
-  RIGS insets




Safeguarded existing Mineral and Waste sites

-  Safeguarded existing mineral extraction sites
-  Safeguarded existing waste management sites
-  Safeguarded existing mineral infrastructure
-  Safeguarded existing key wastewater treatment works
-  Consultation area for safeguarded waste management sites-existing
-  Consultation area for safeguarded mineral infrastructure-existing
-  Consultation area for safeguarded mineral extraction sites-existing
-  Consultation area for safeguarded key WWTW-existing
-  Air Quality Management Area (AQMA)





Road Network

-  Trunk Roads
-  A Roads
-  Mineral access route
-  Waste access route
-  Designated Lorry Routes in Norfolk




Safeguarded mineral resources

-  Mineral Safeguarding Area (Silica Sand)
-  Mineral Safeguarding Area (Sand and Gravel)
-  Mineral Safeguarding Area (Carstone)









Landscape designations

-  North Norfolk Heritage Coast
-  Core River Valleys
-  Area of Outstanding Natural Beauty (AONB)
-  Broads Authority Executive Area





Administrative boundaries

-  Norwich Policy Area
-  Districts
-  Norfolk Parishes




Environmental designations

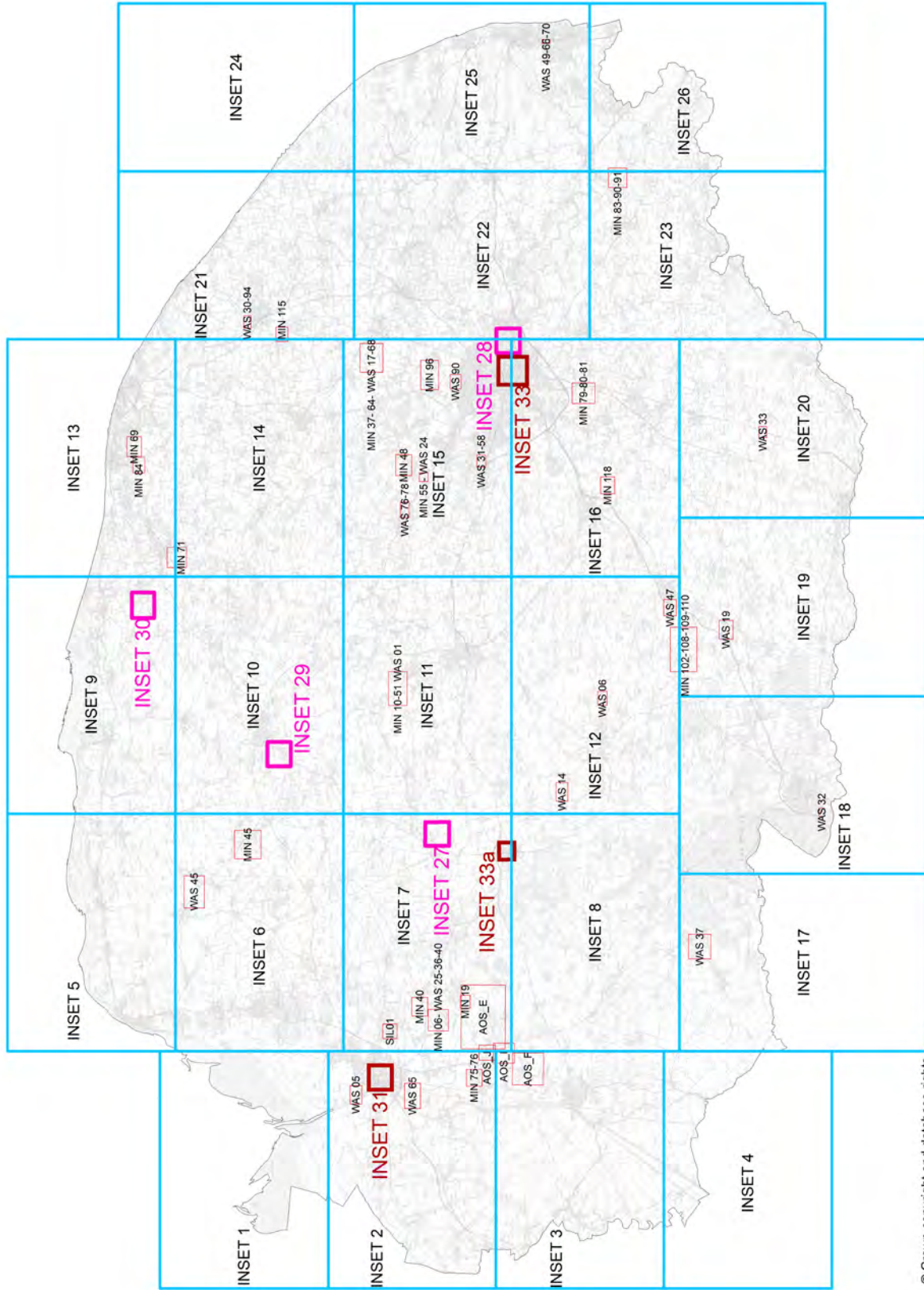
-  Local Nature Reserves
-  National Nature Reserves
-  Special Protection Area (SPA)
-  Special Area of Conservation (SAC)
-  Site of Special Scientific Interest (SSSI)
-  Ramsar sites
-  County Wildlife Sites
-  Ancient Woodland
-  Regionally Important Geological Sites (RIGS)
-  Mitigation zone for stone curlews
-  Protection zone for stone curlews

Heritage designations

-  Registered Historic Parks and Gardens
-  Scheduled Monuments
-  Listed Buildings
-  Conservation Areas

Environment Agency designations

-  Groundwater Source Protection Zone 1
-  Flood zone 2 & 3
-  Flood zone 2

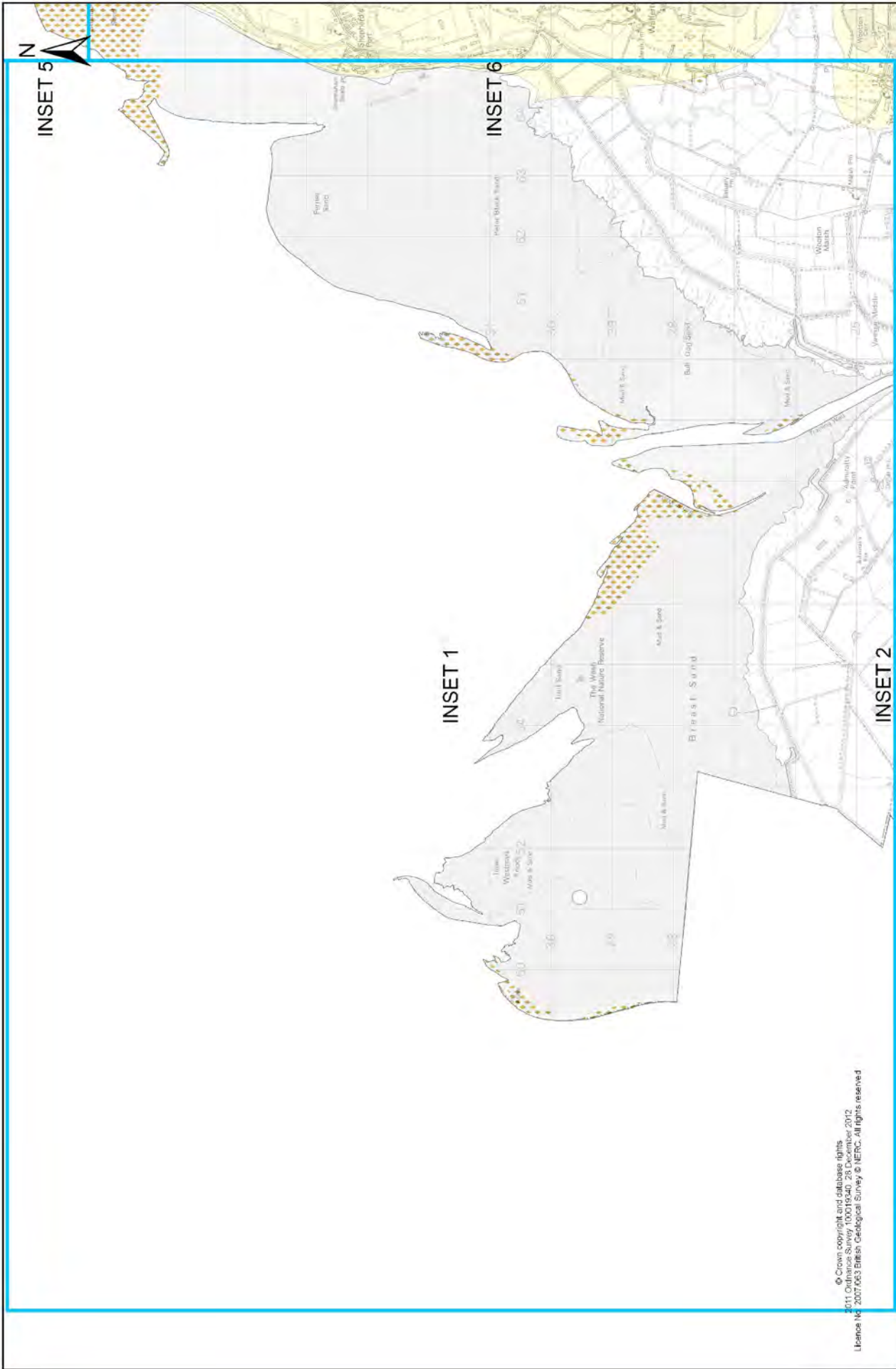


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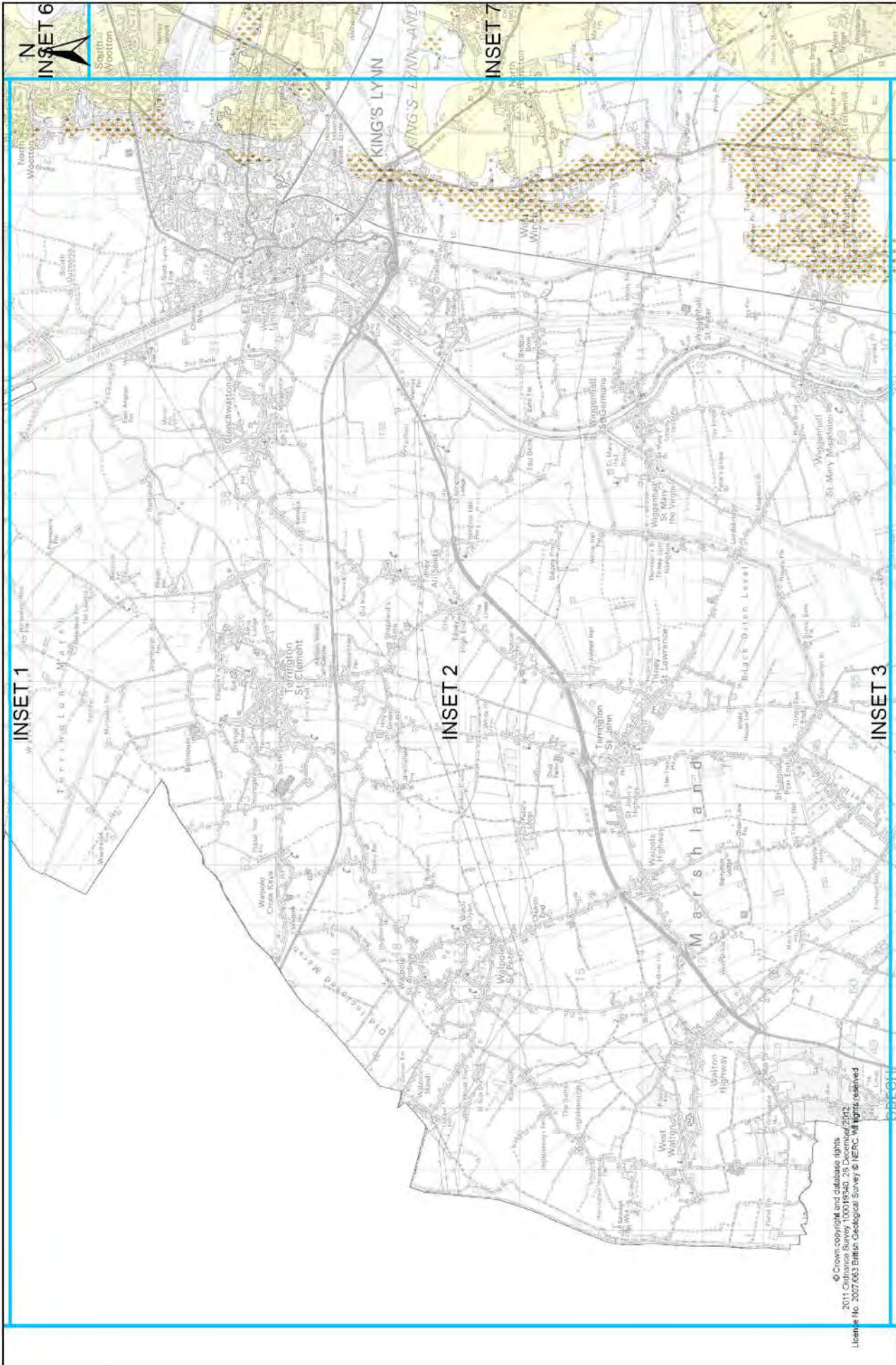
Inset Maps 1-26

Mineral Safeguarding Areas



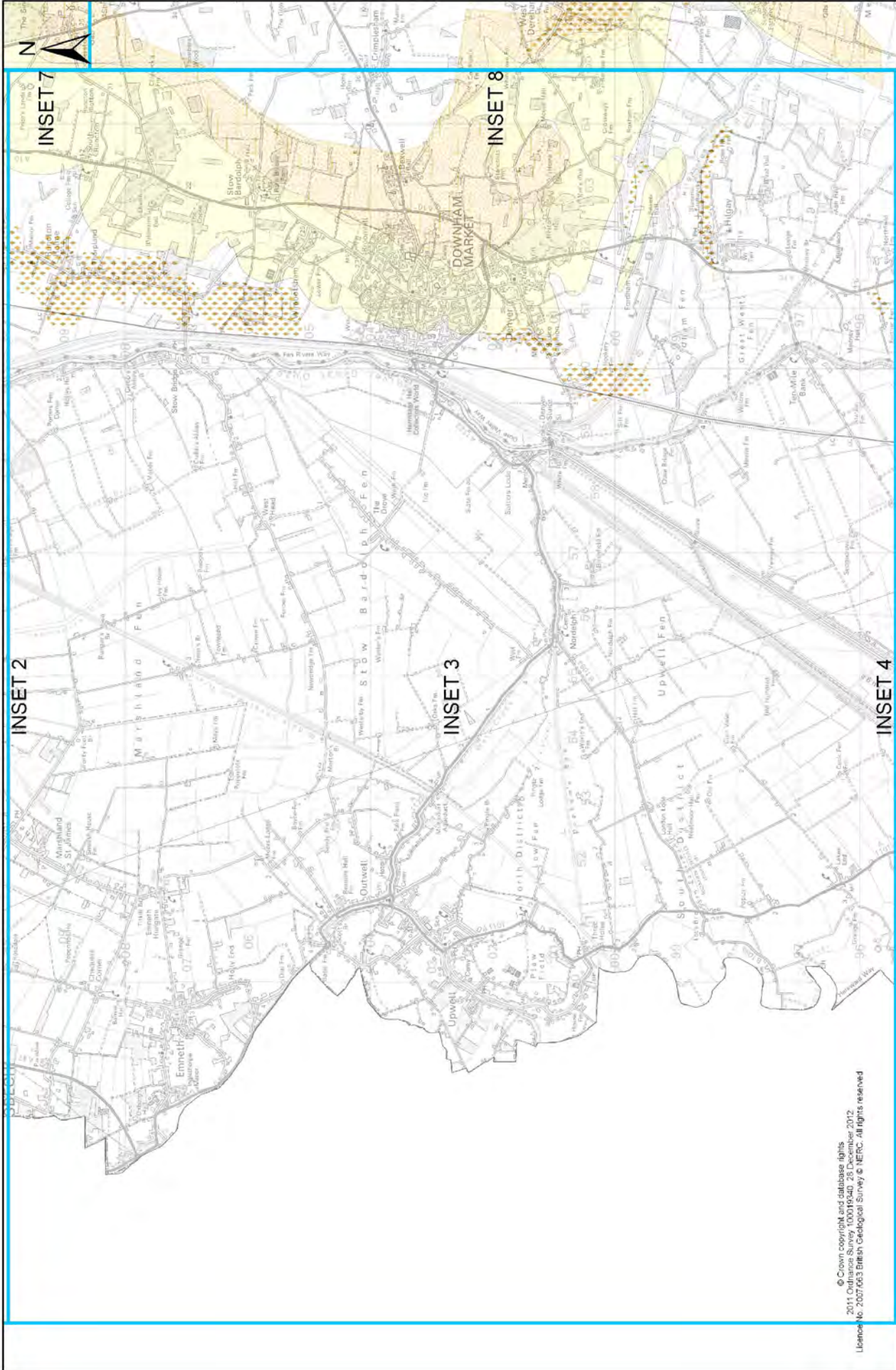
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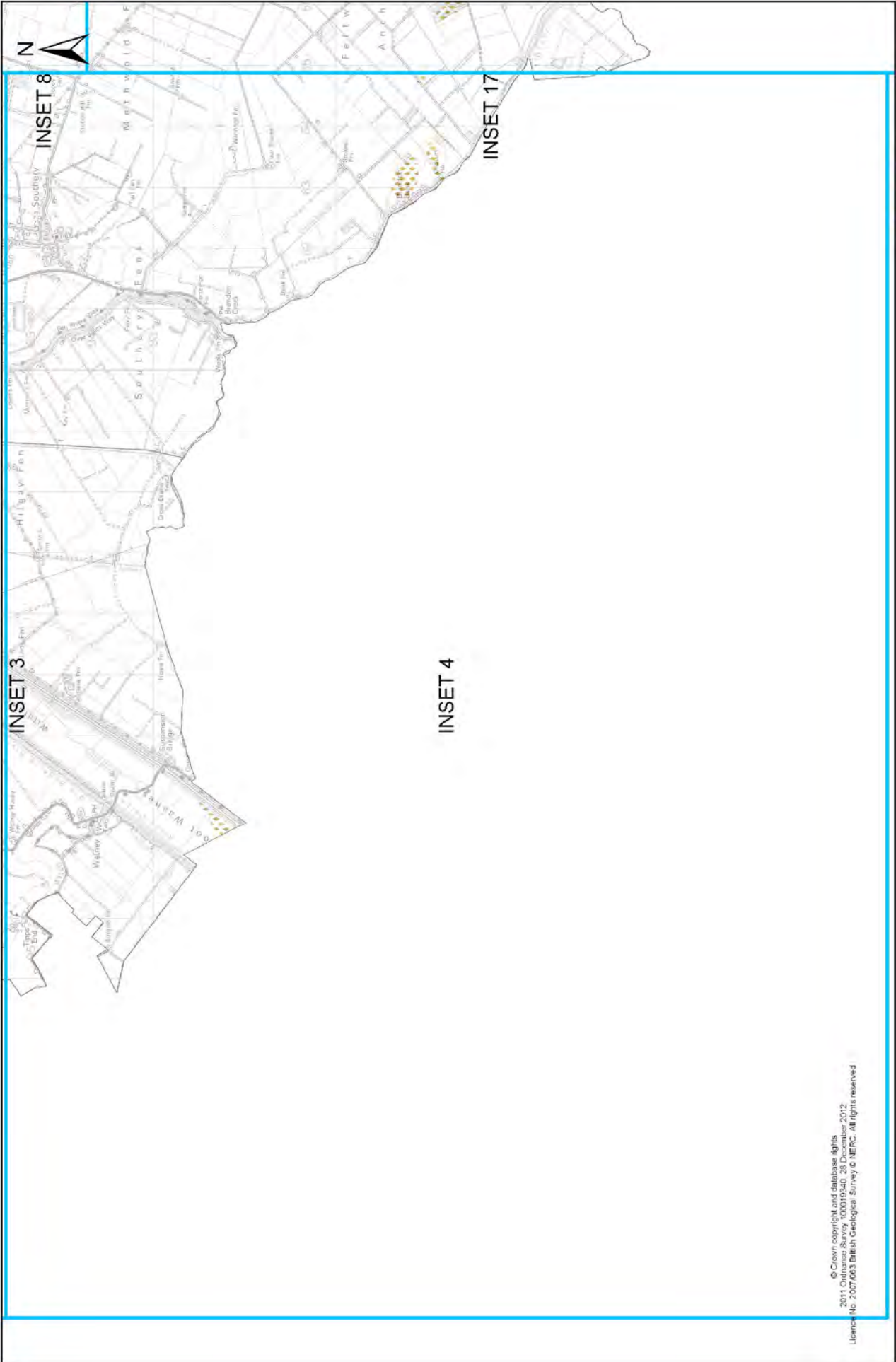
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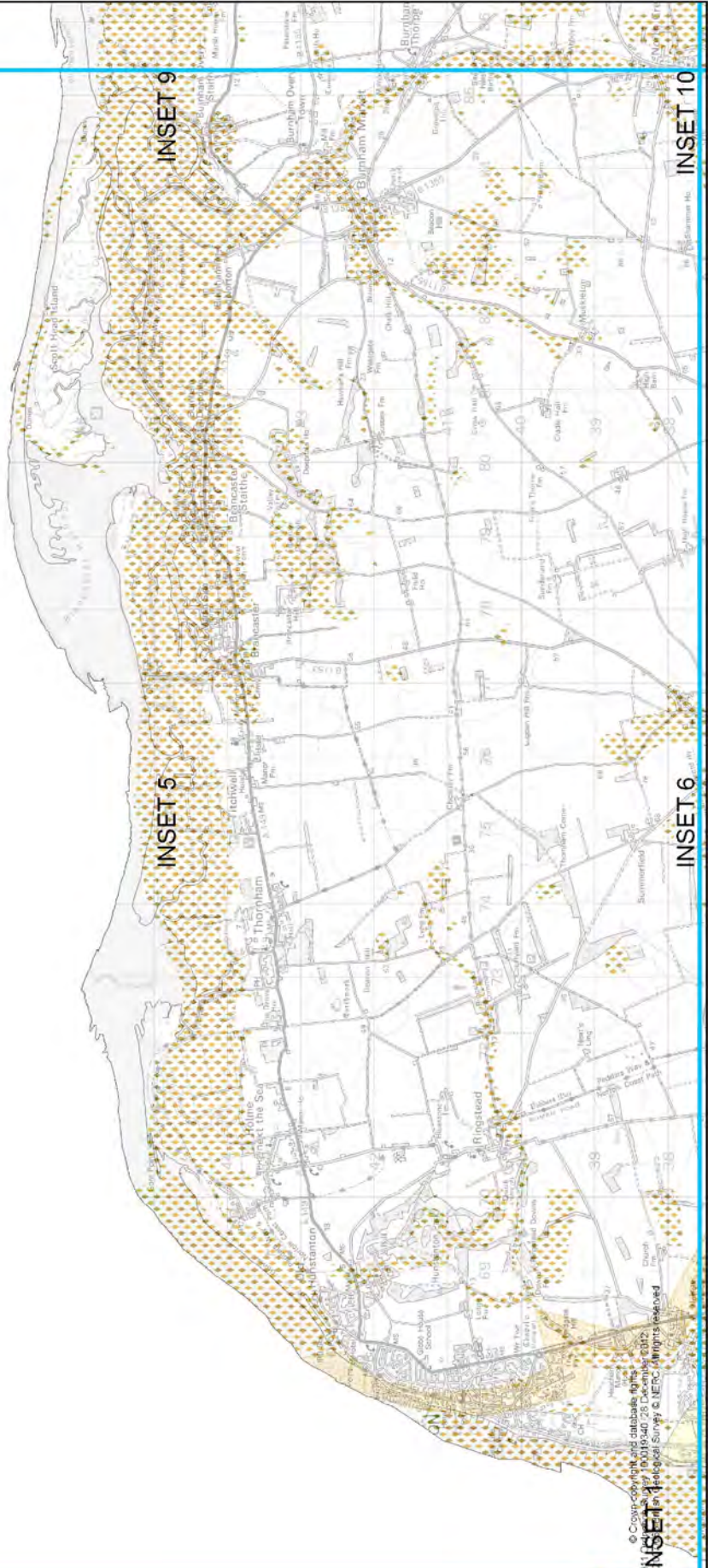
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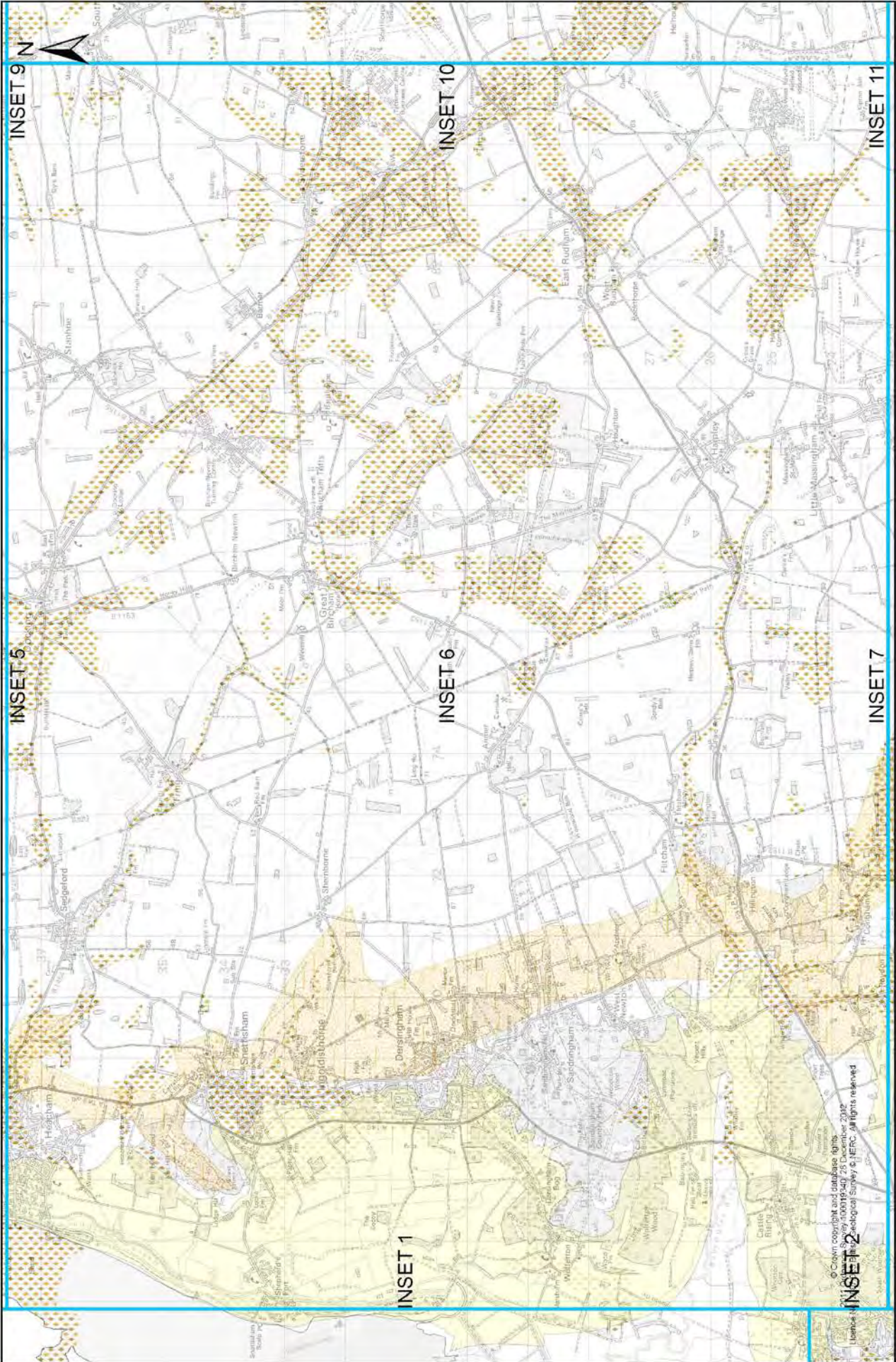
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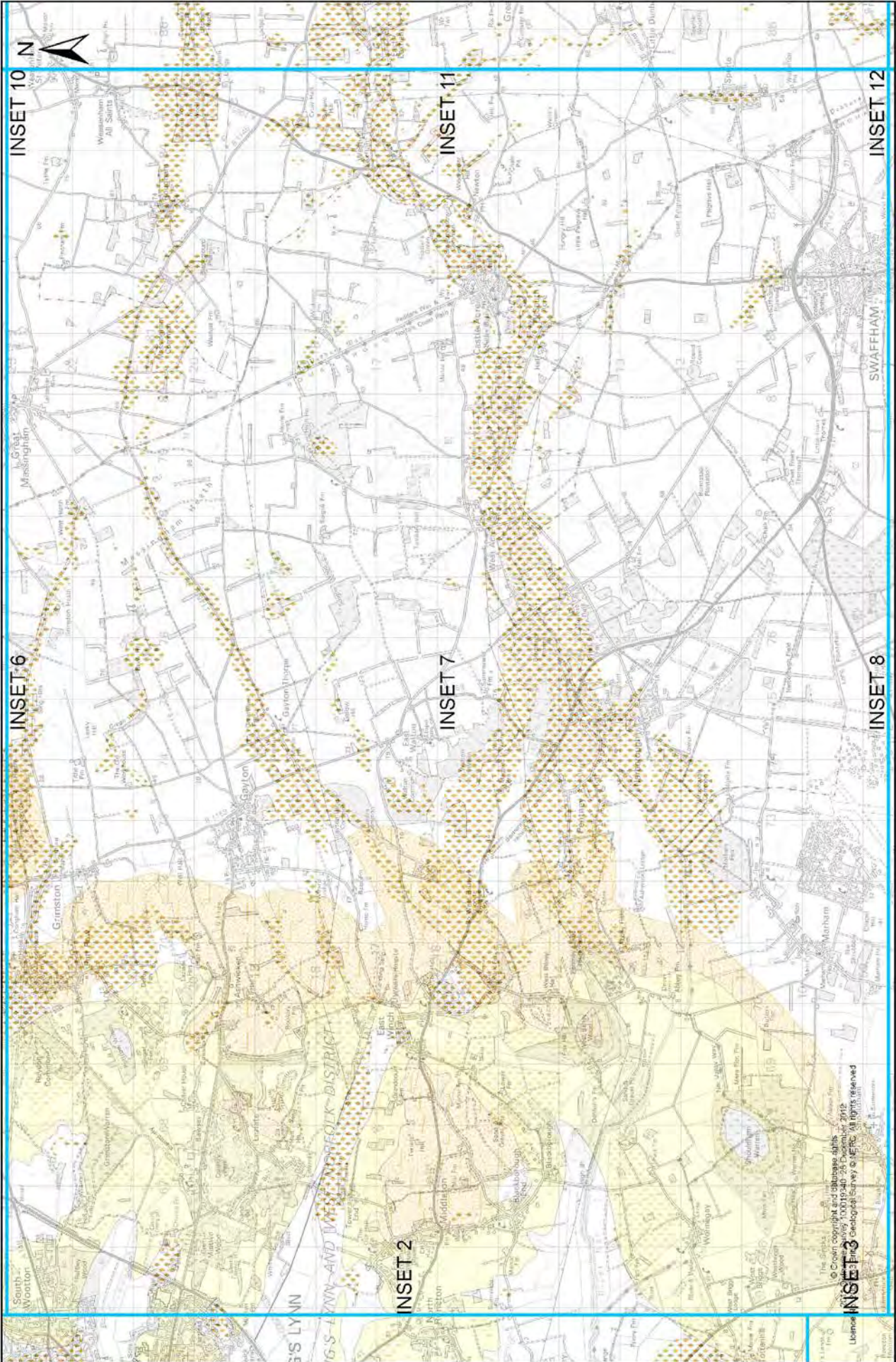
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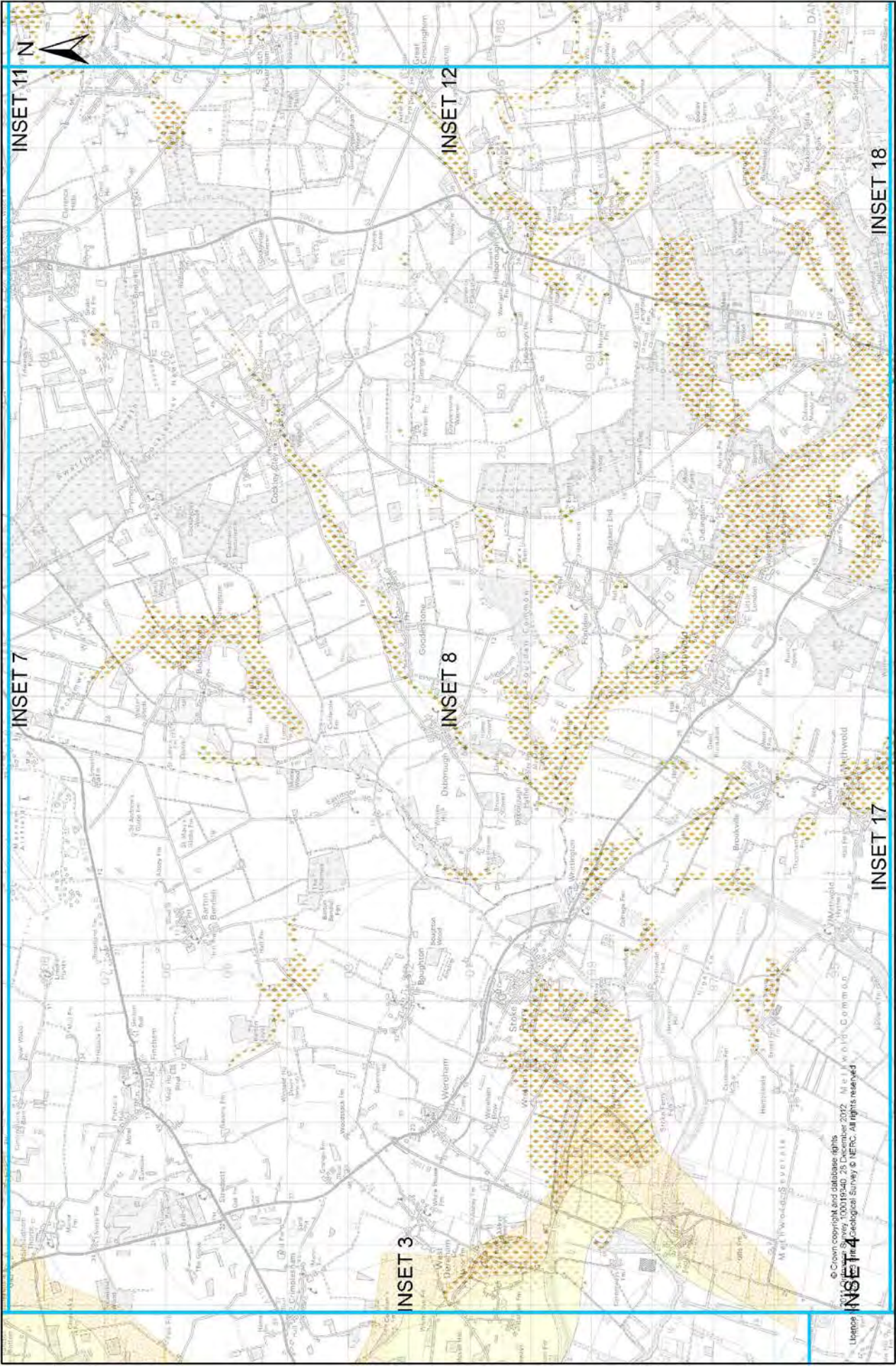


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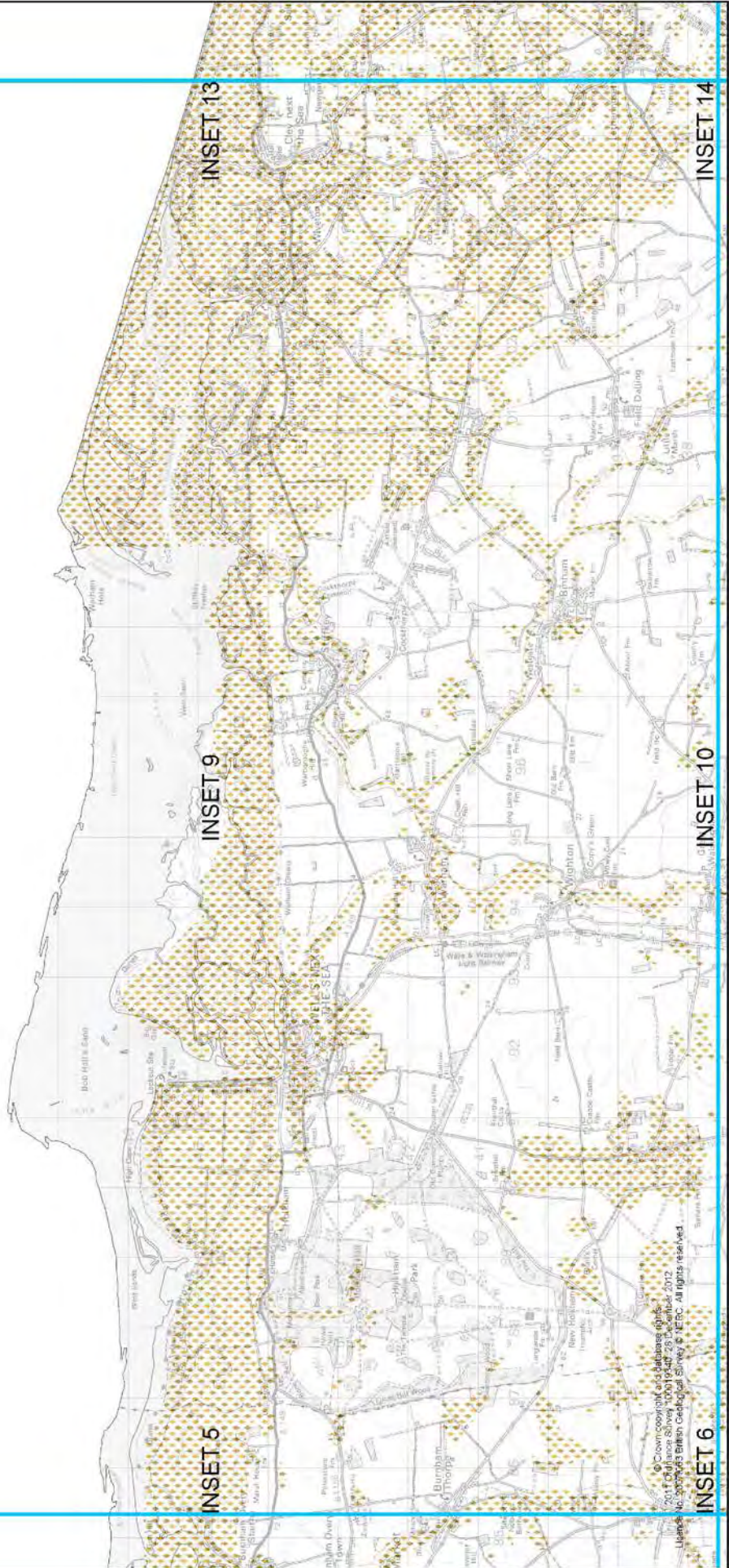


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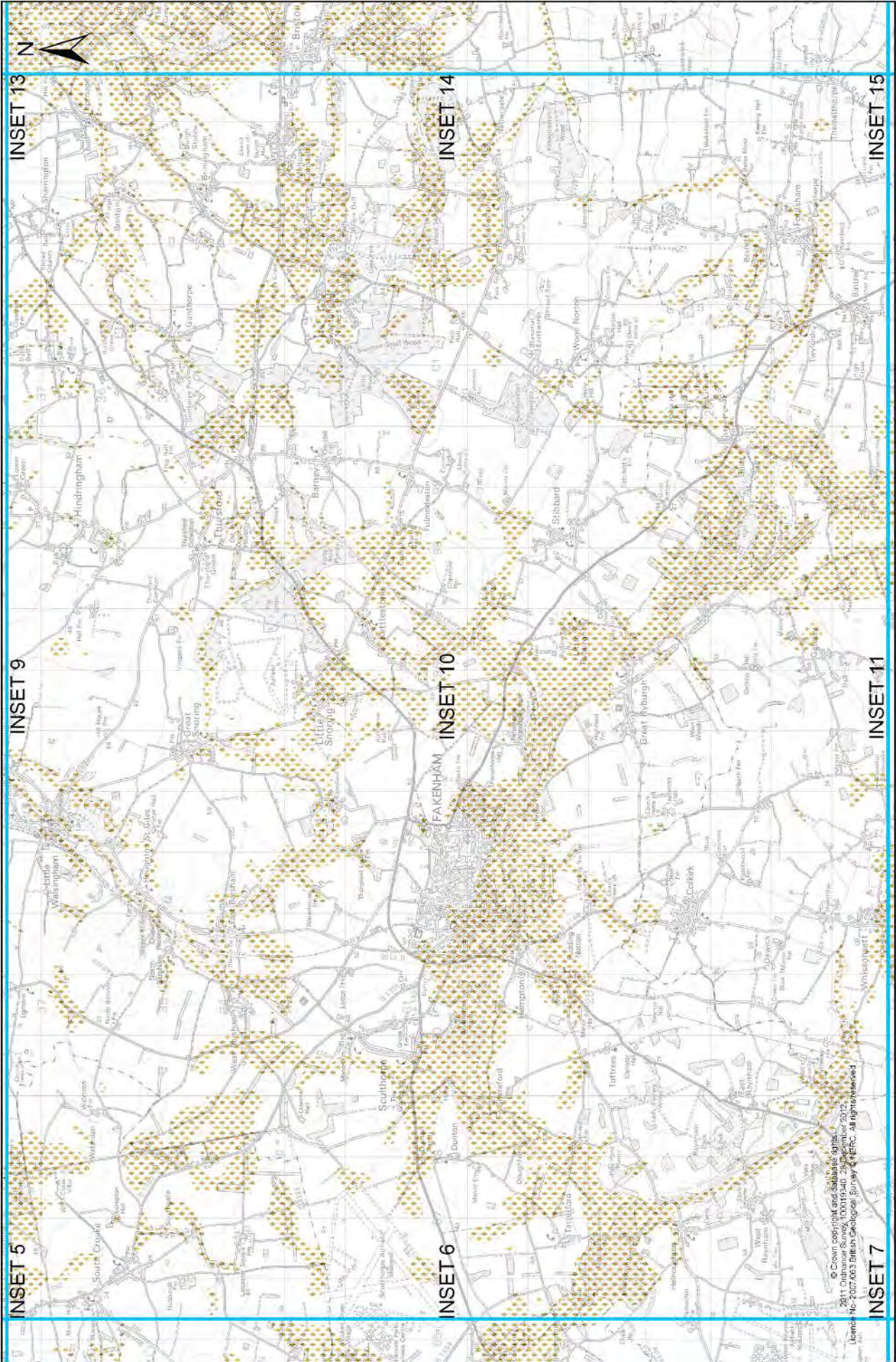
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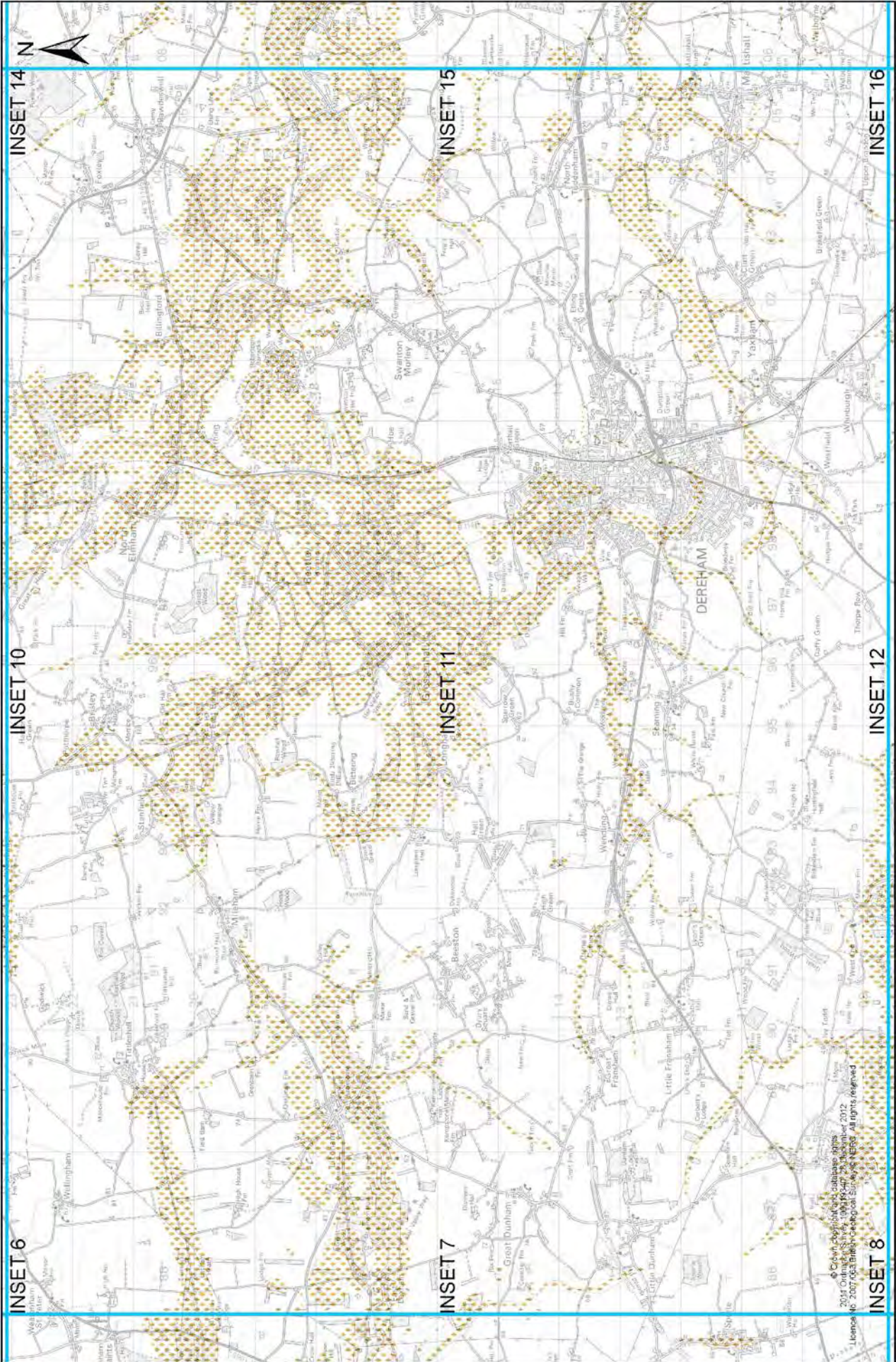




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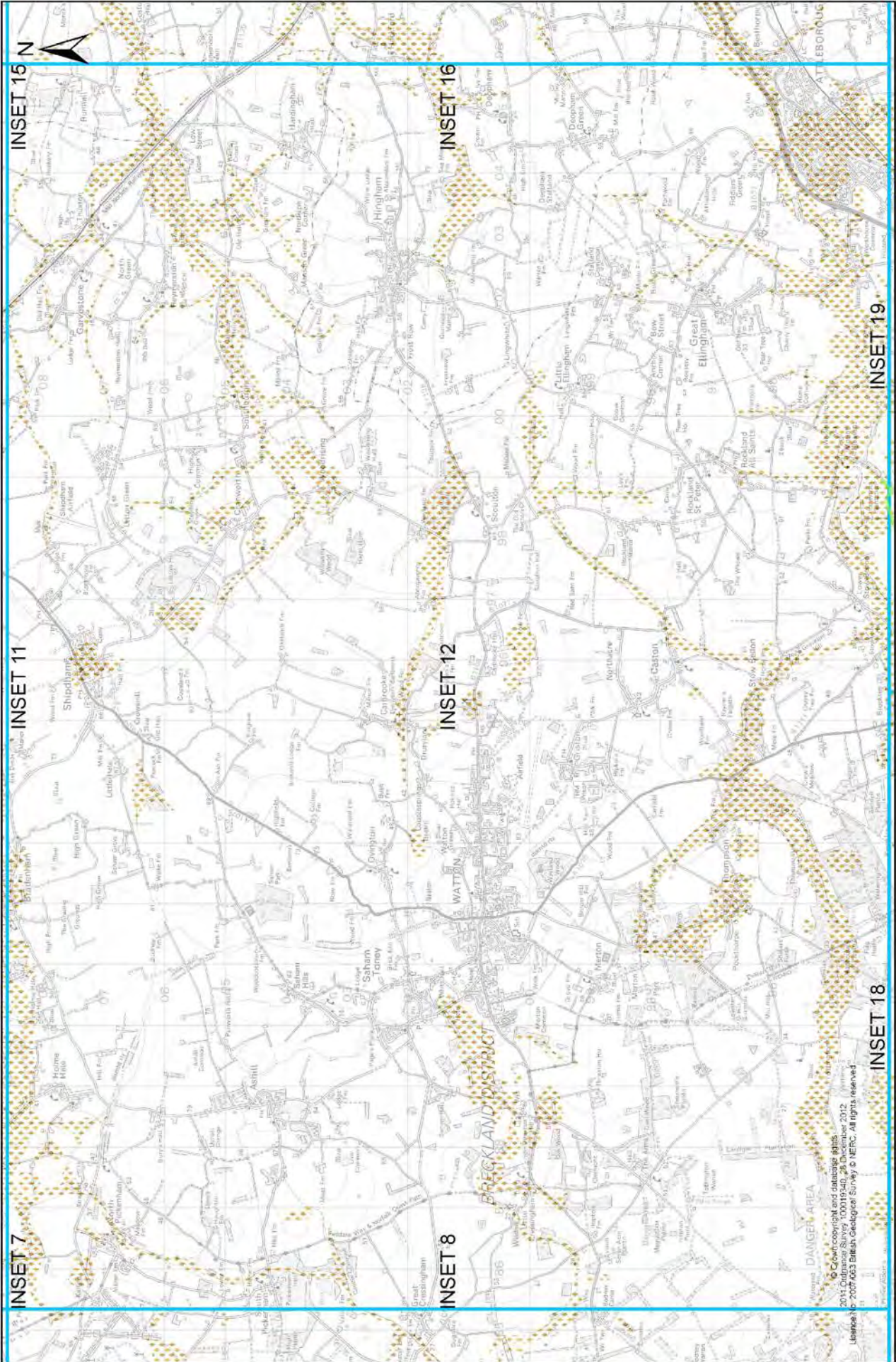






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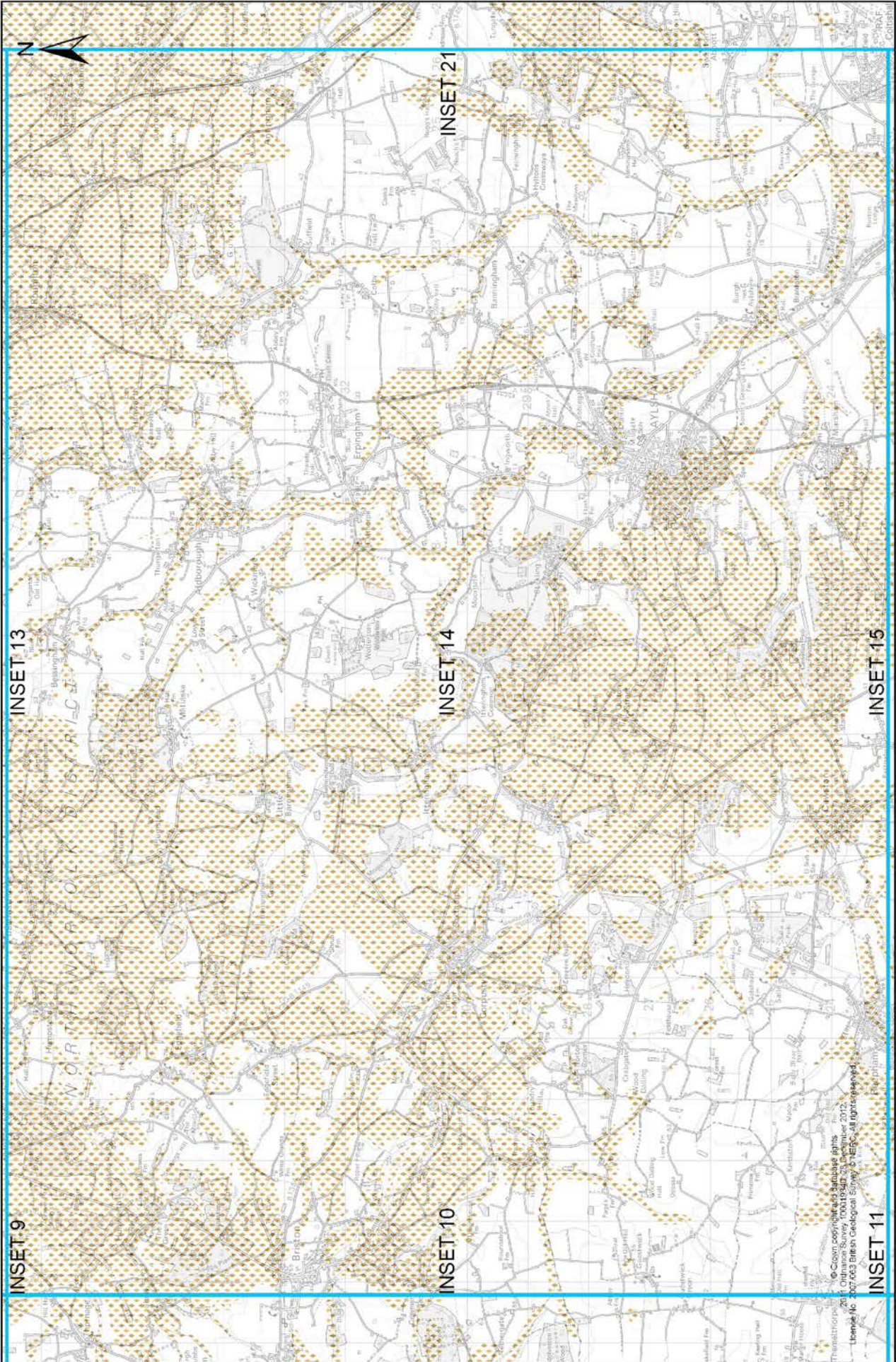
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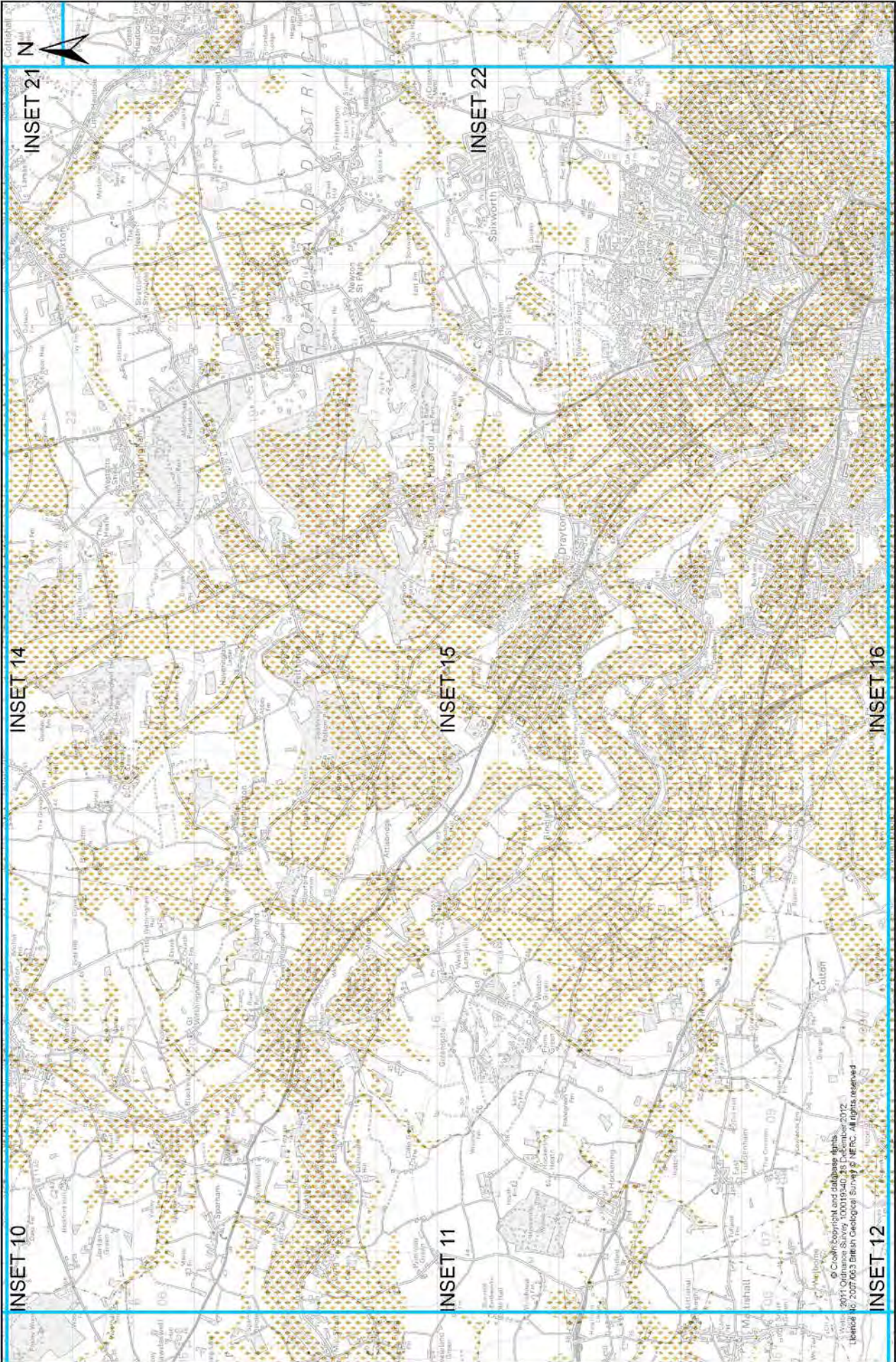
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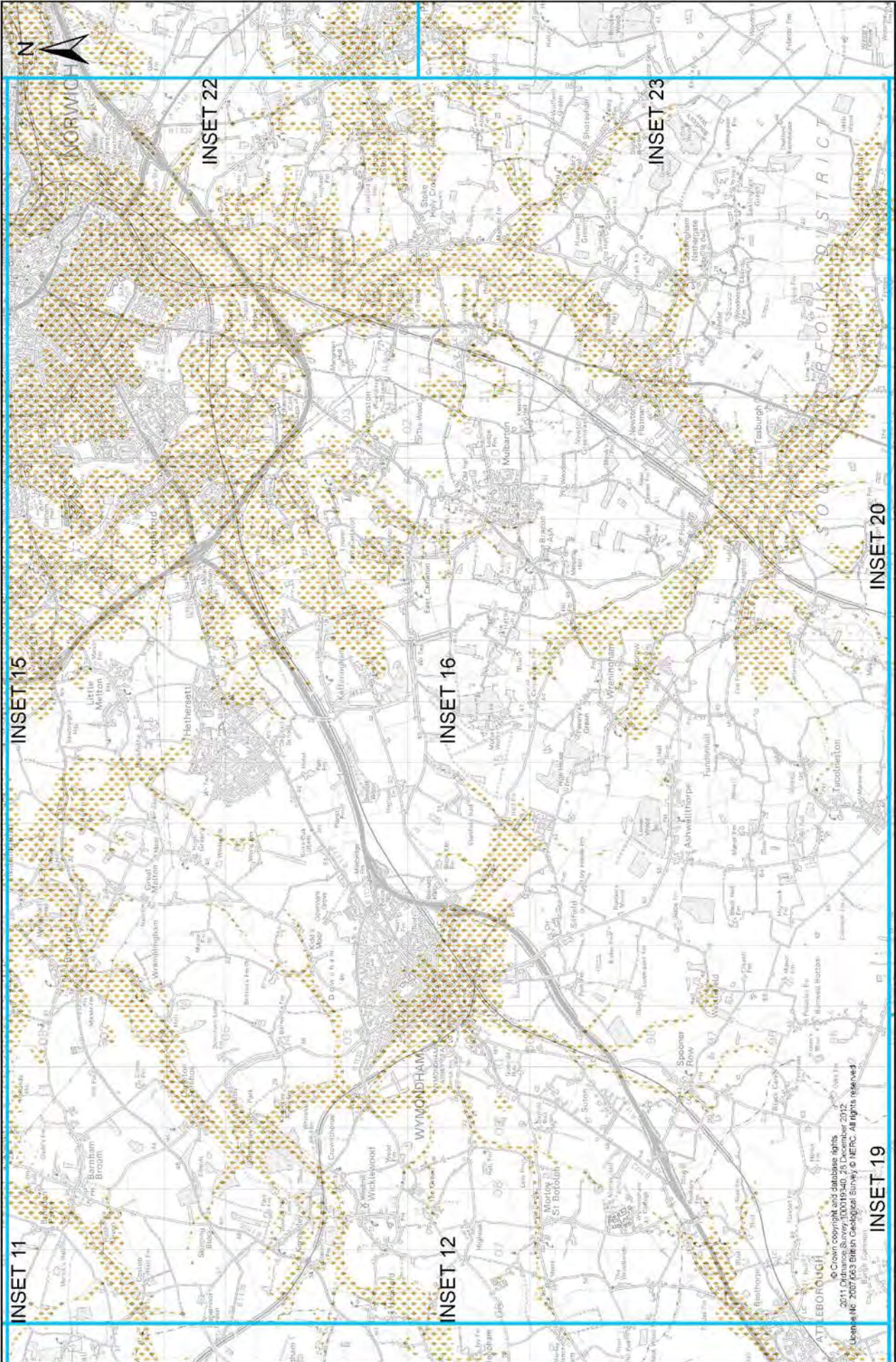




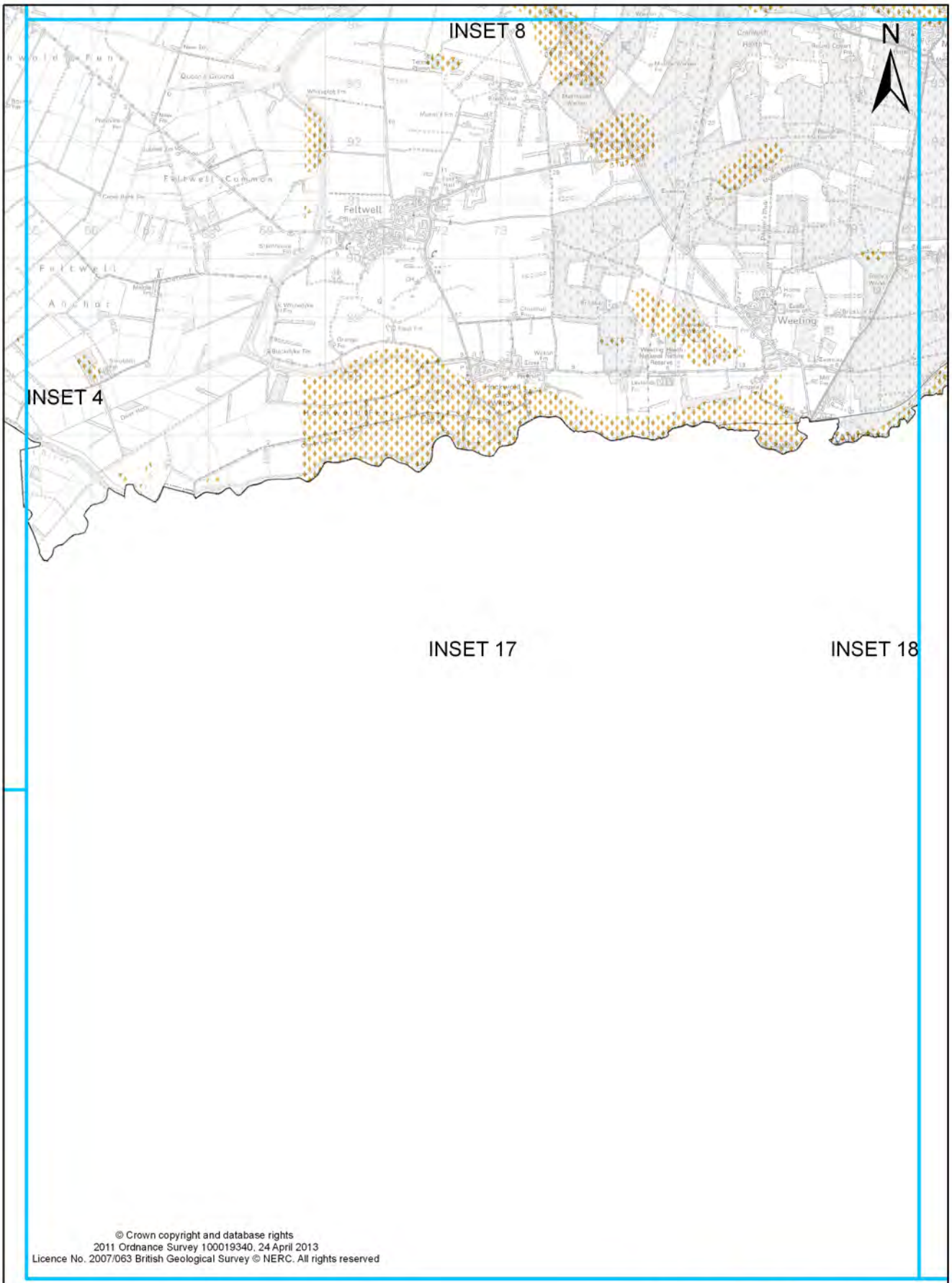


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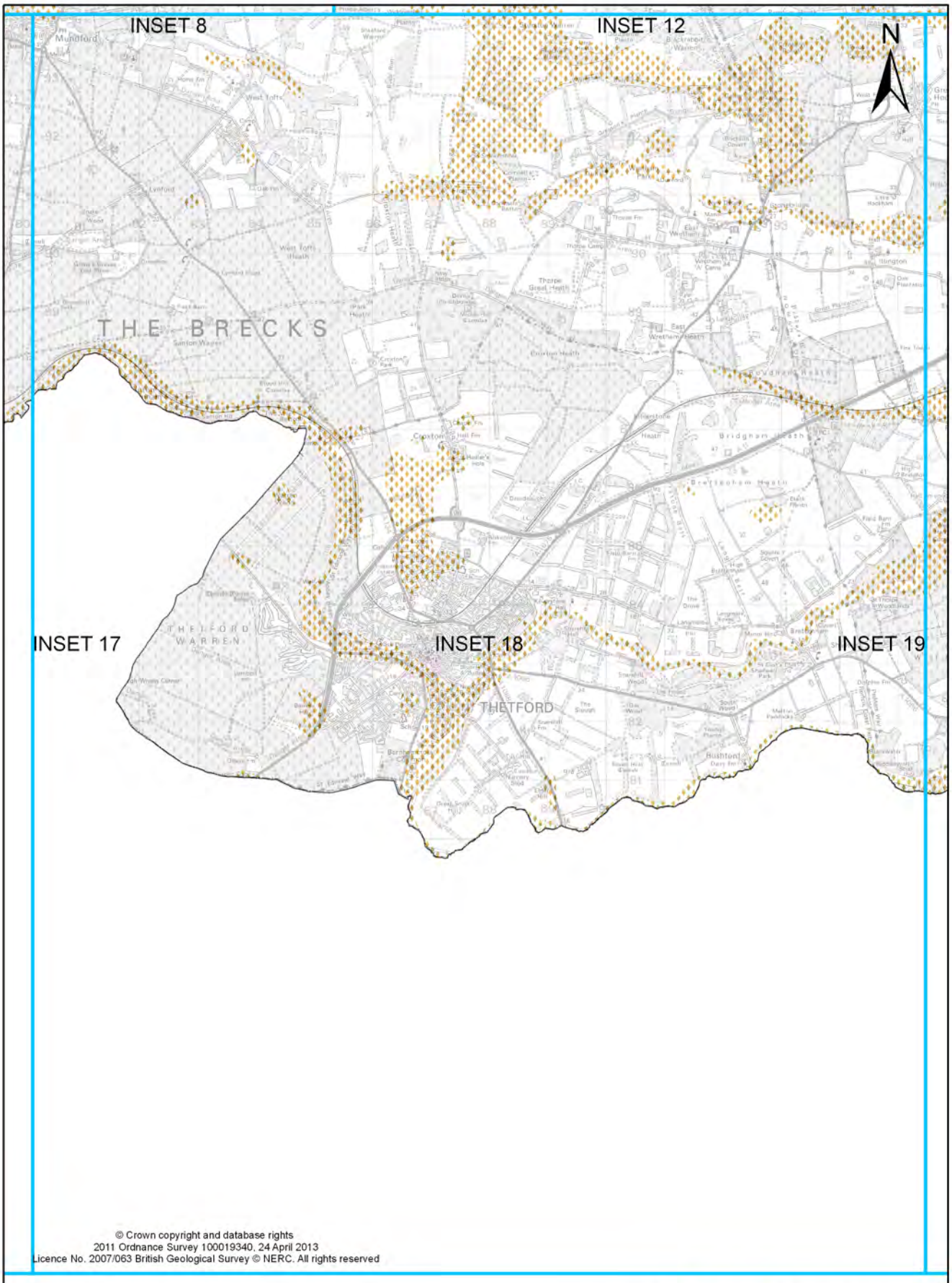
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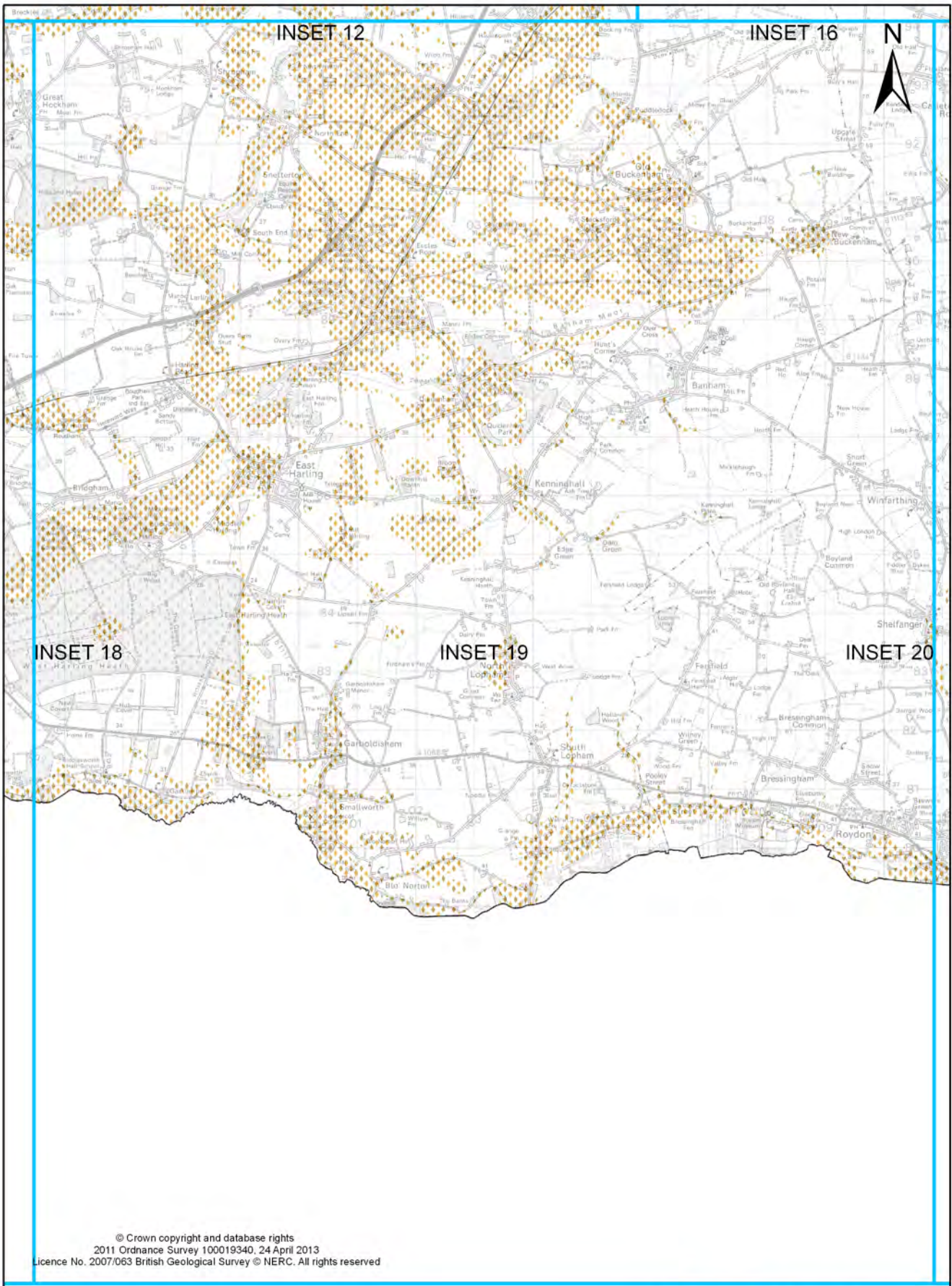
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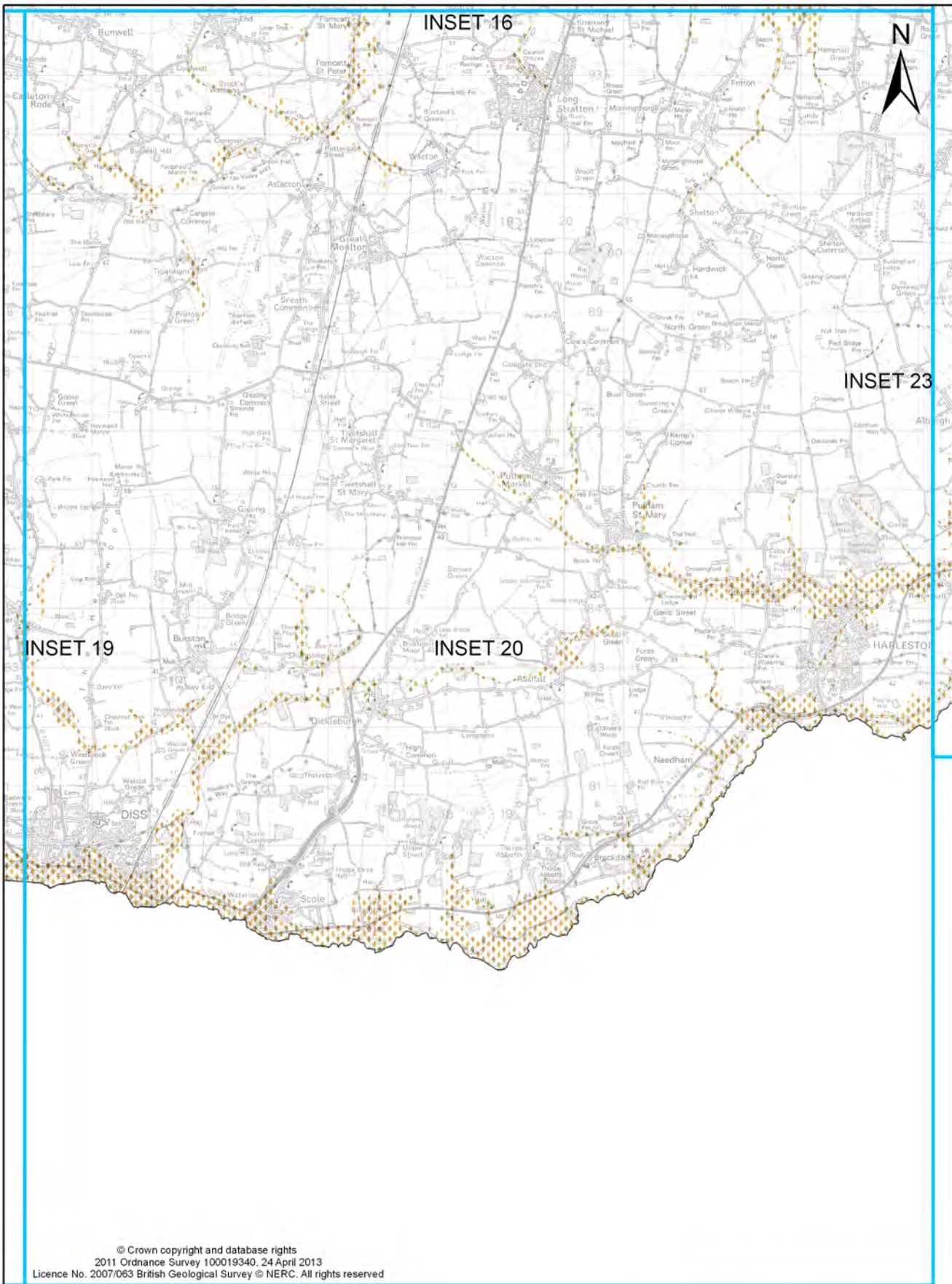
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INSET 13

INSET 21

INSET 24

INSET 14

NORTH WALSHAM

INSET 15

INSET 22

INSET 25

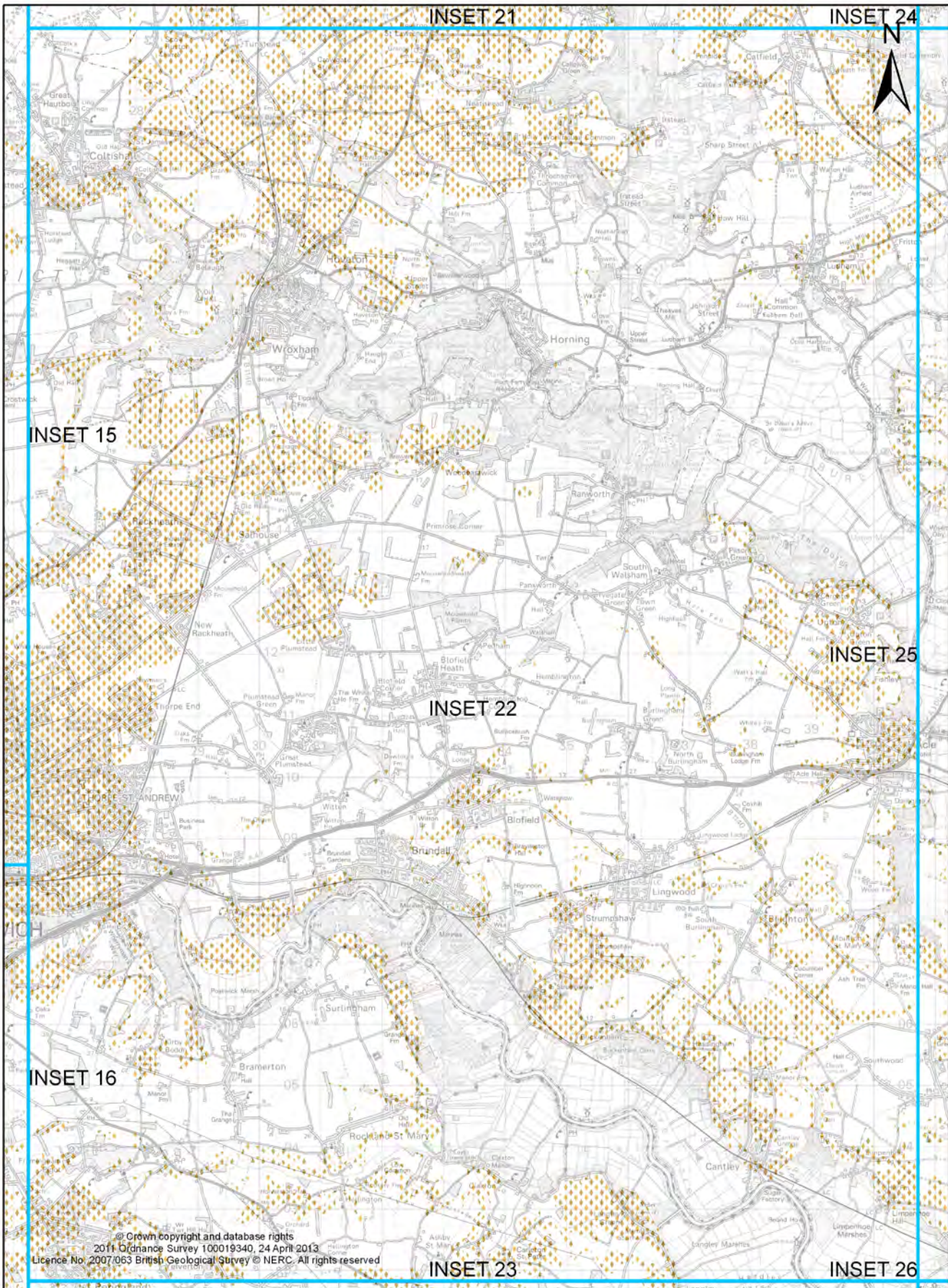
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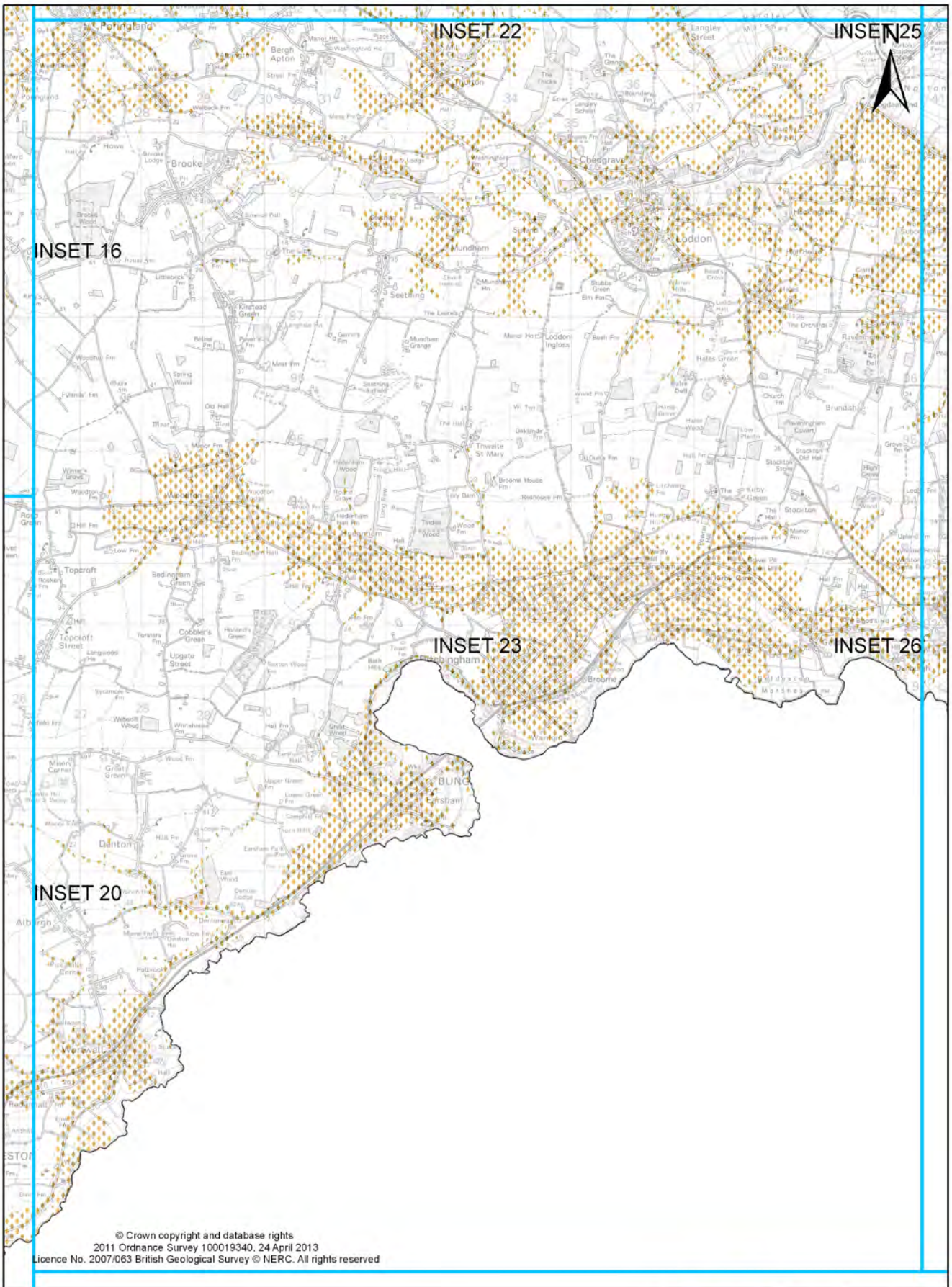
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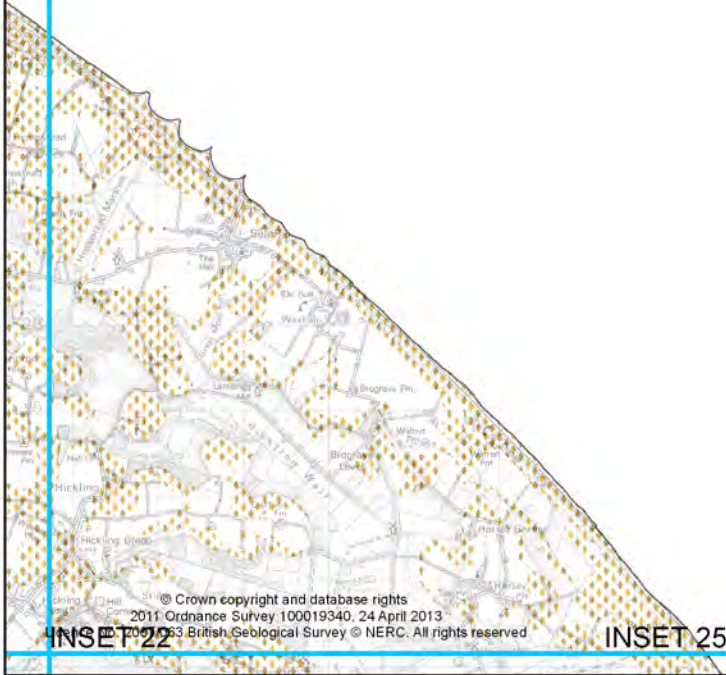
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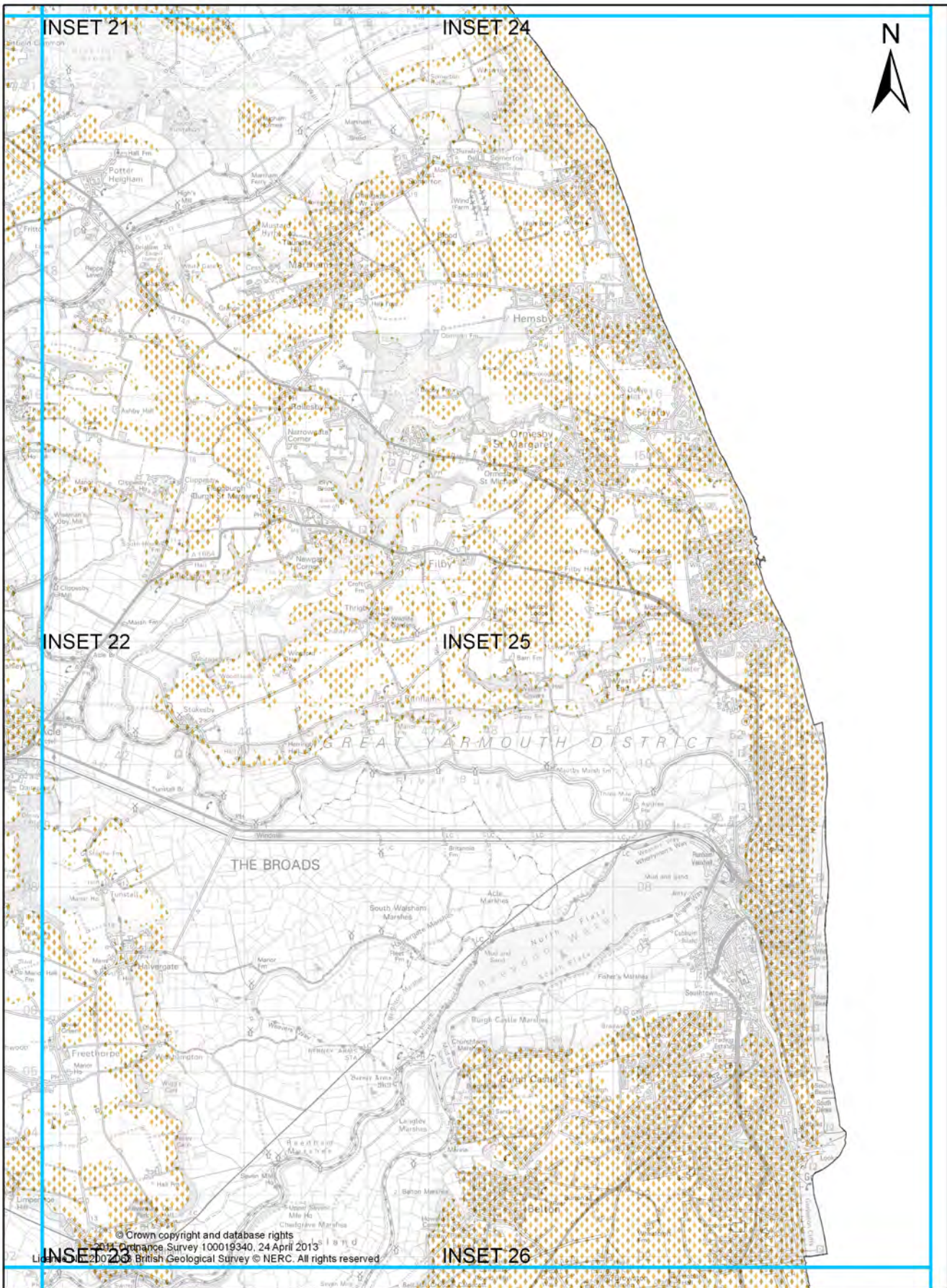
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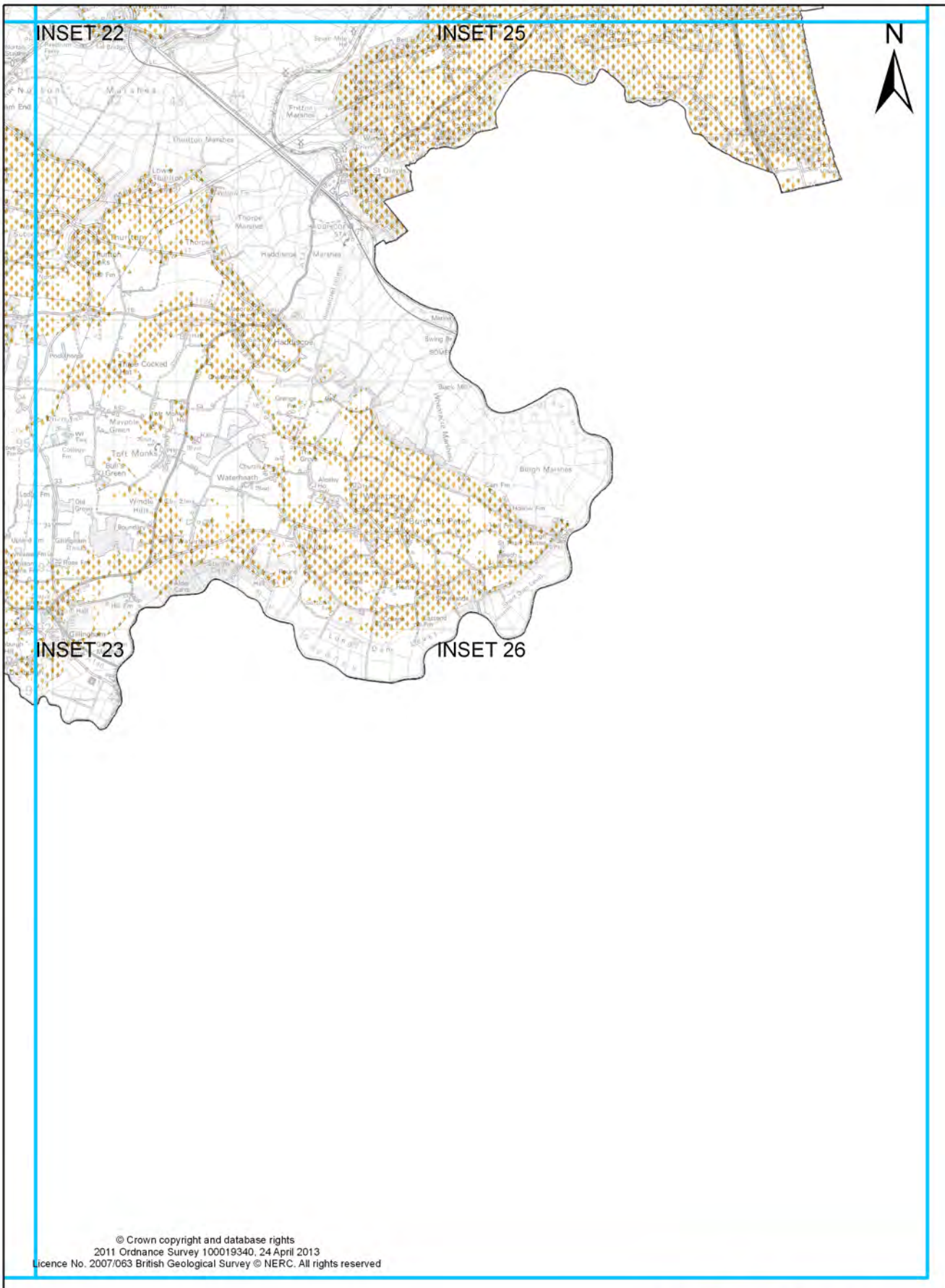


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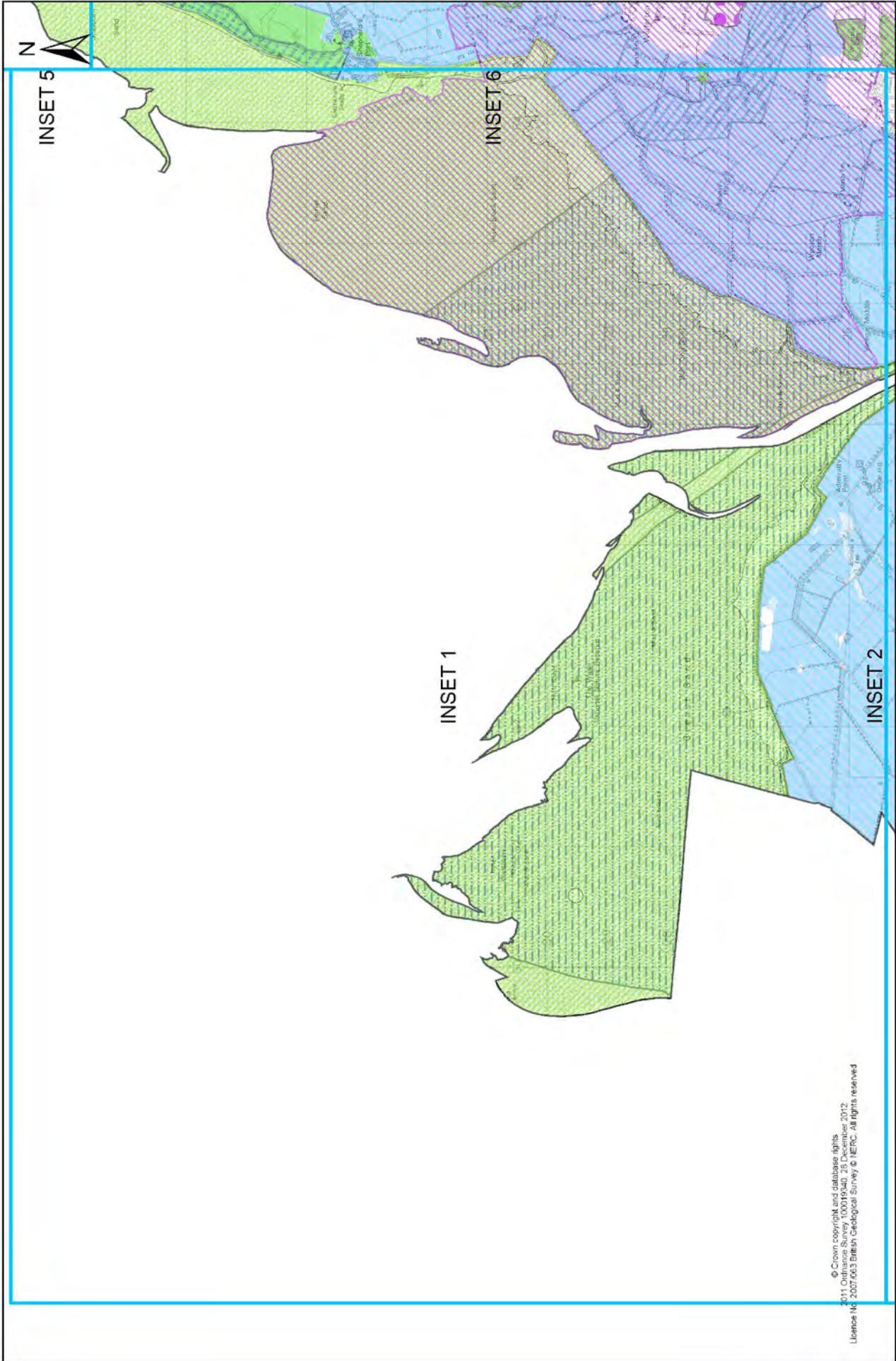


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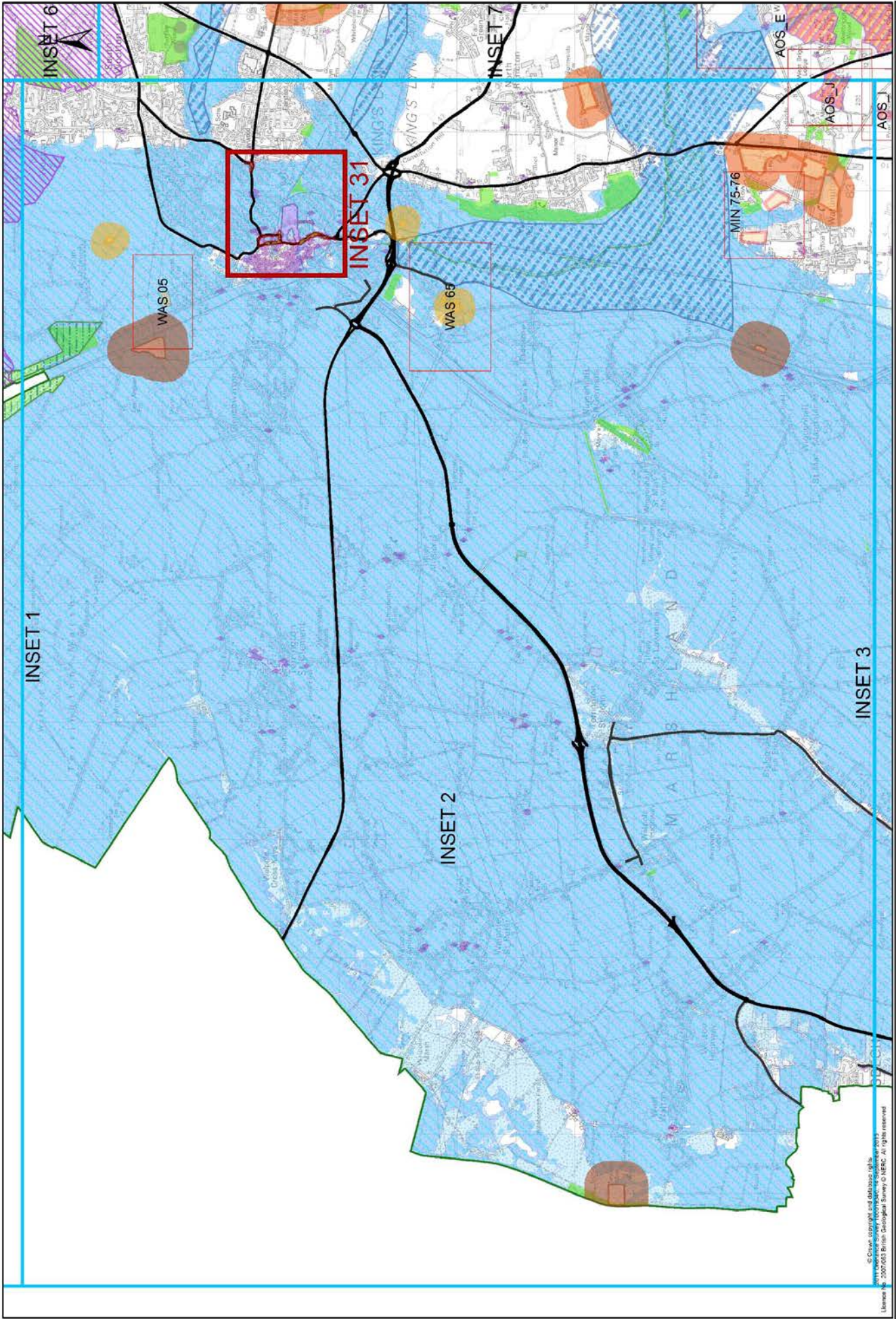
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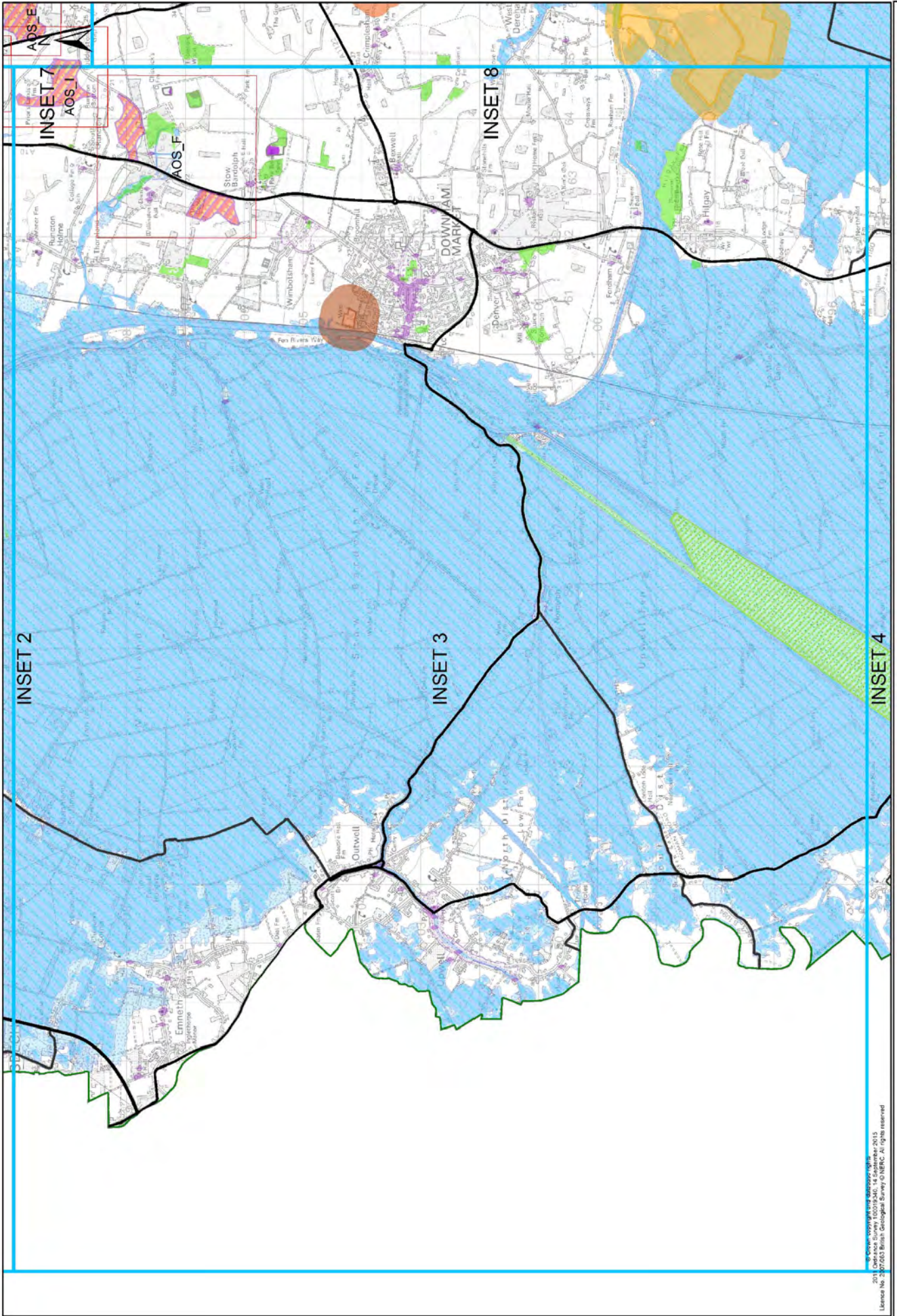
Insets 1-26 - Policies



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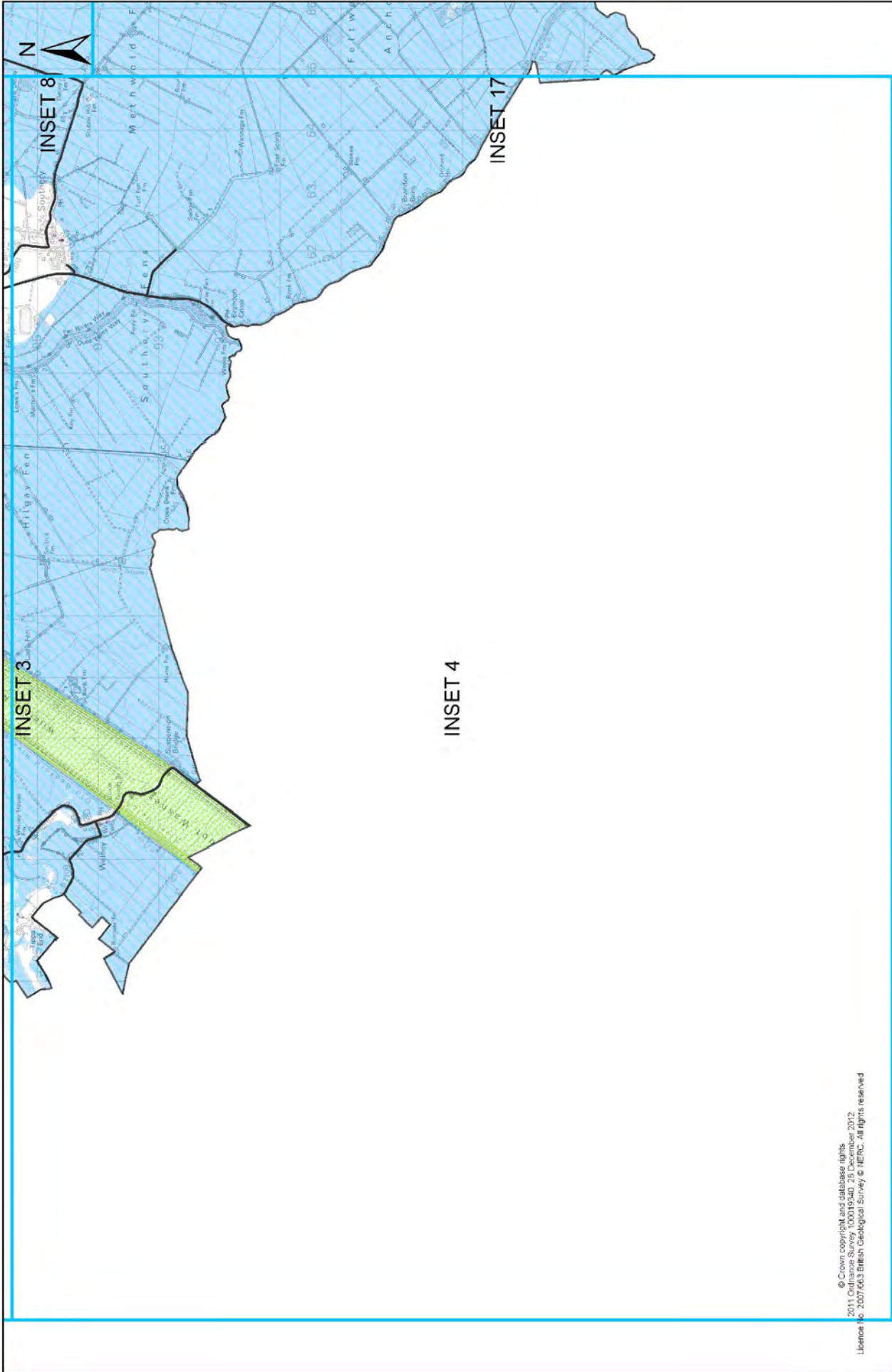




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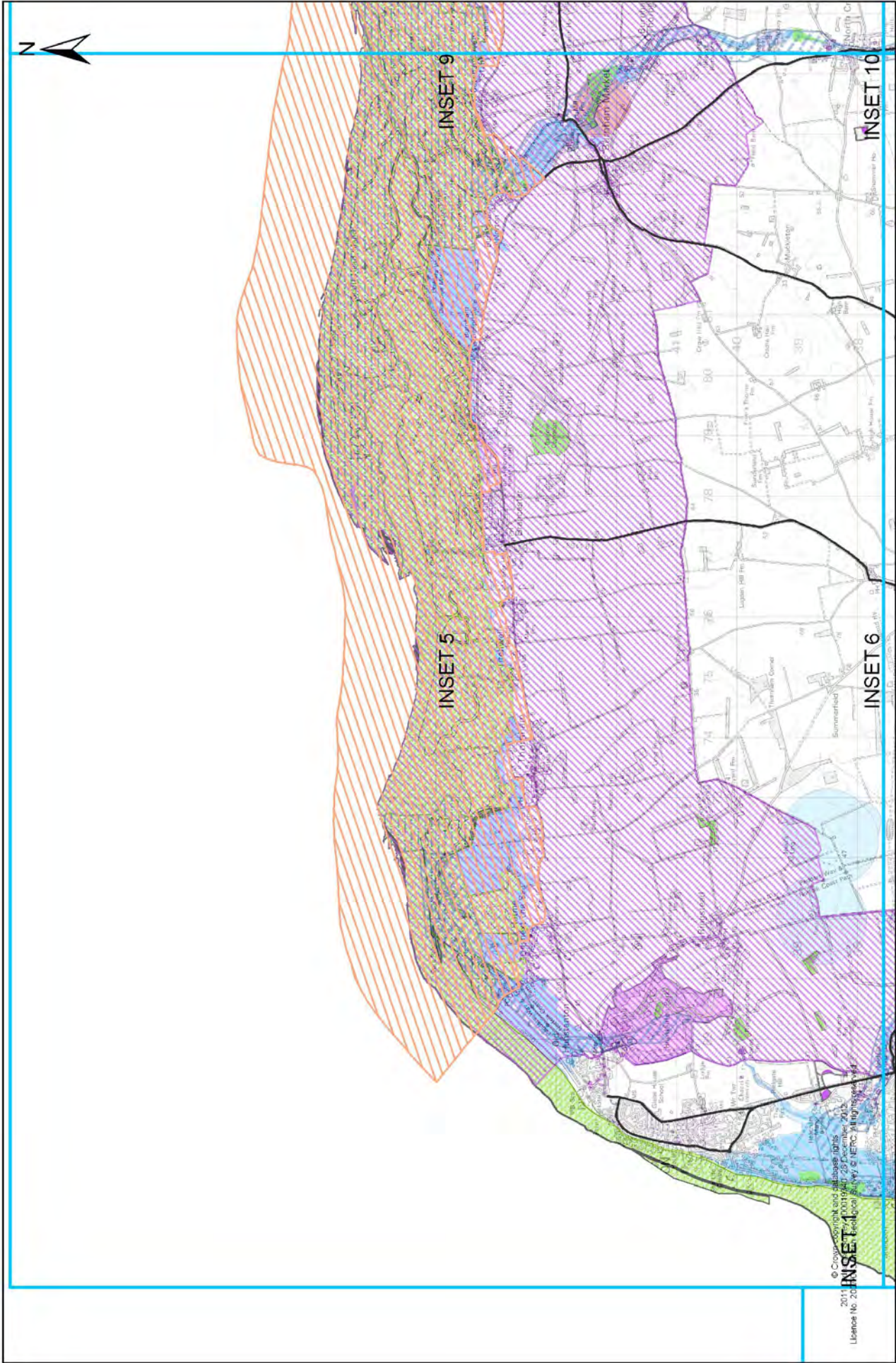
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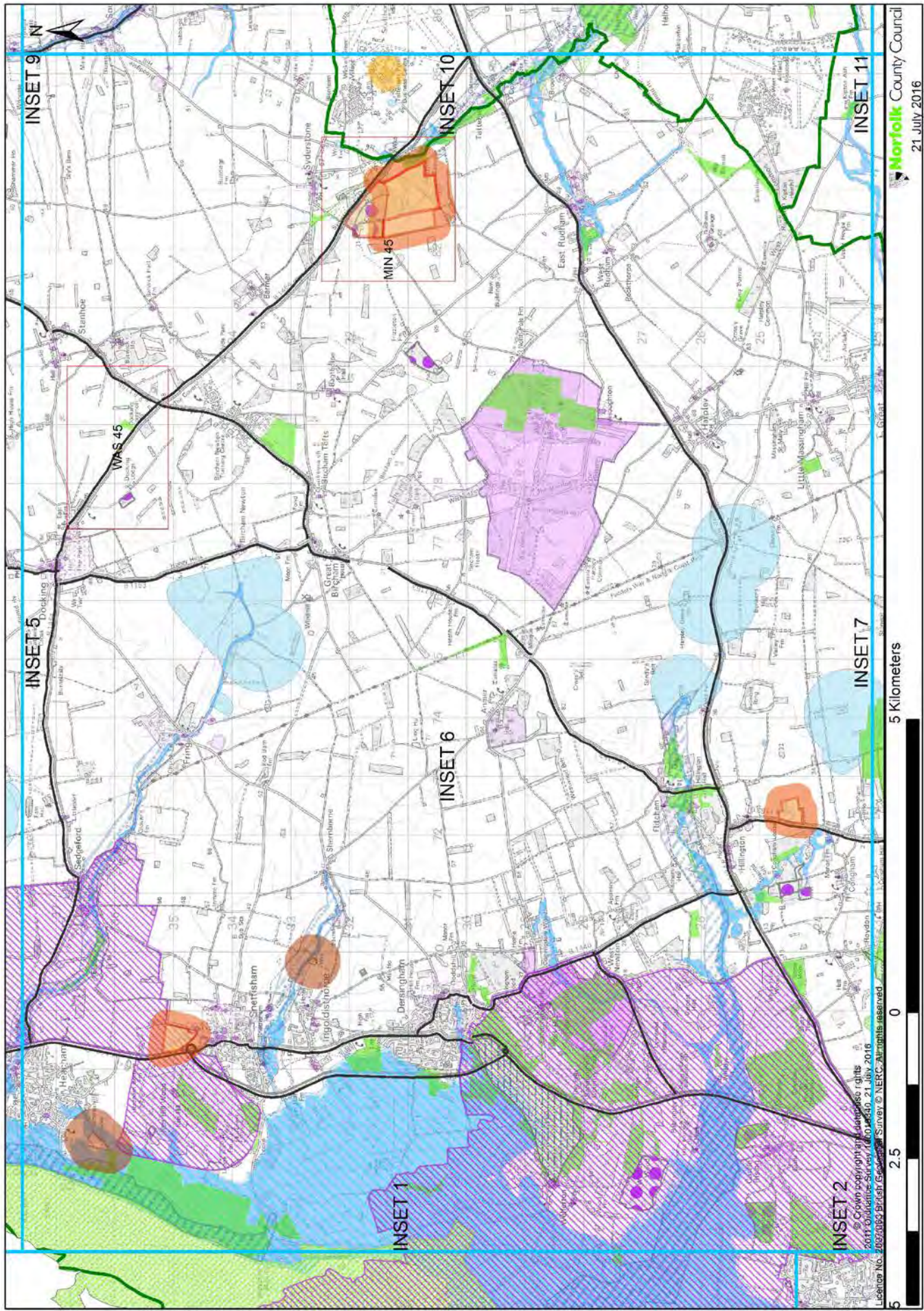
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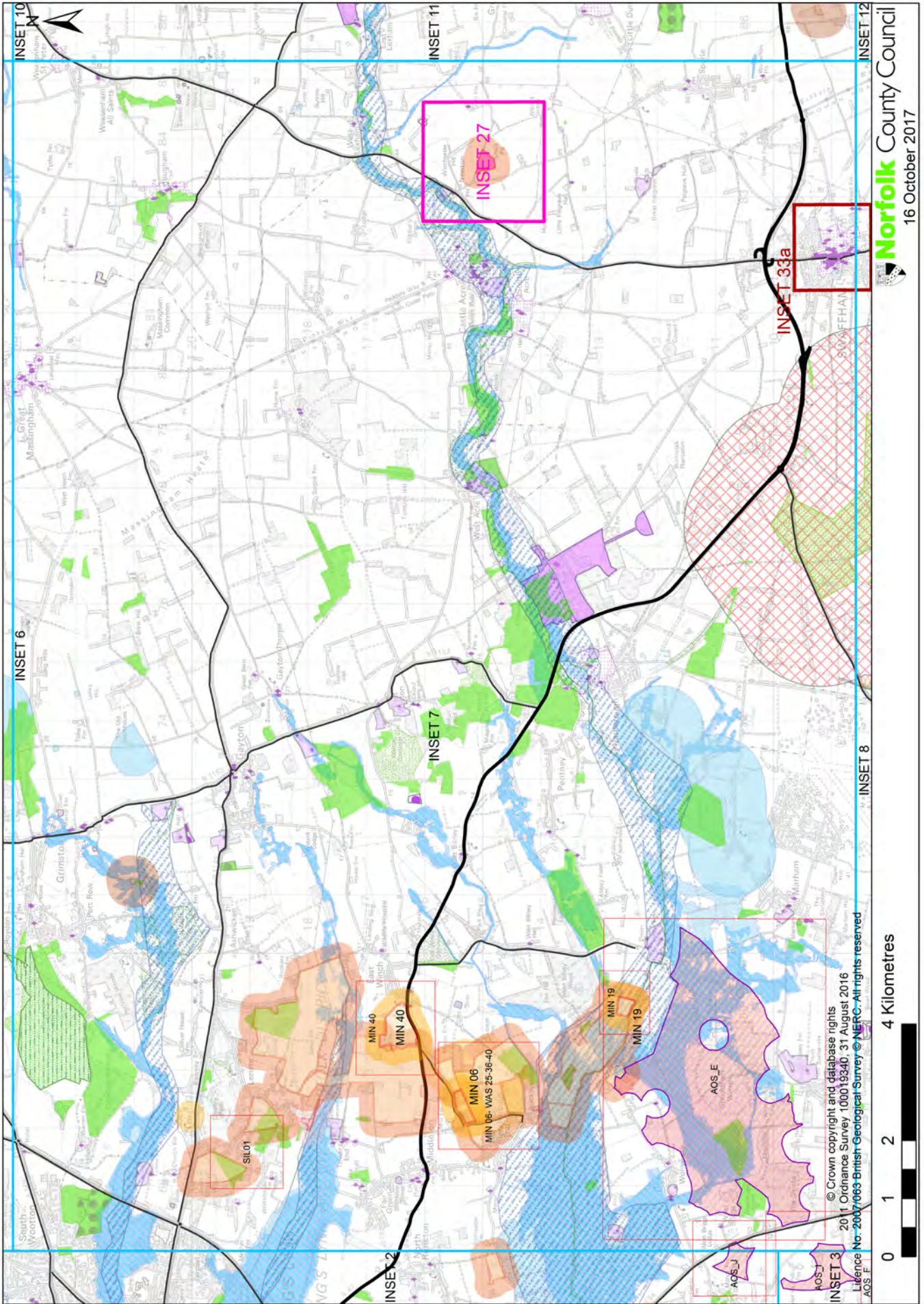


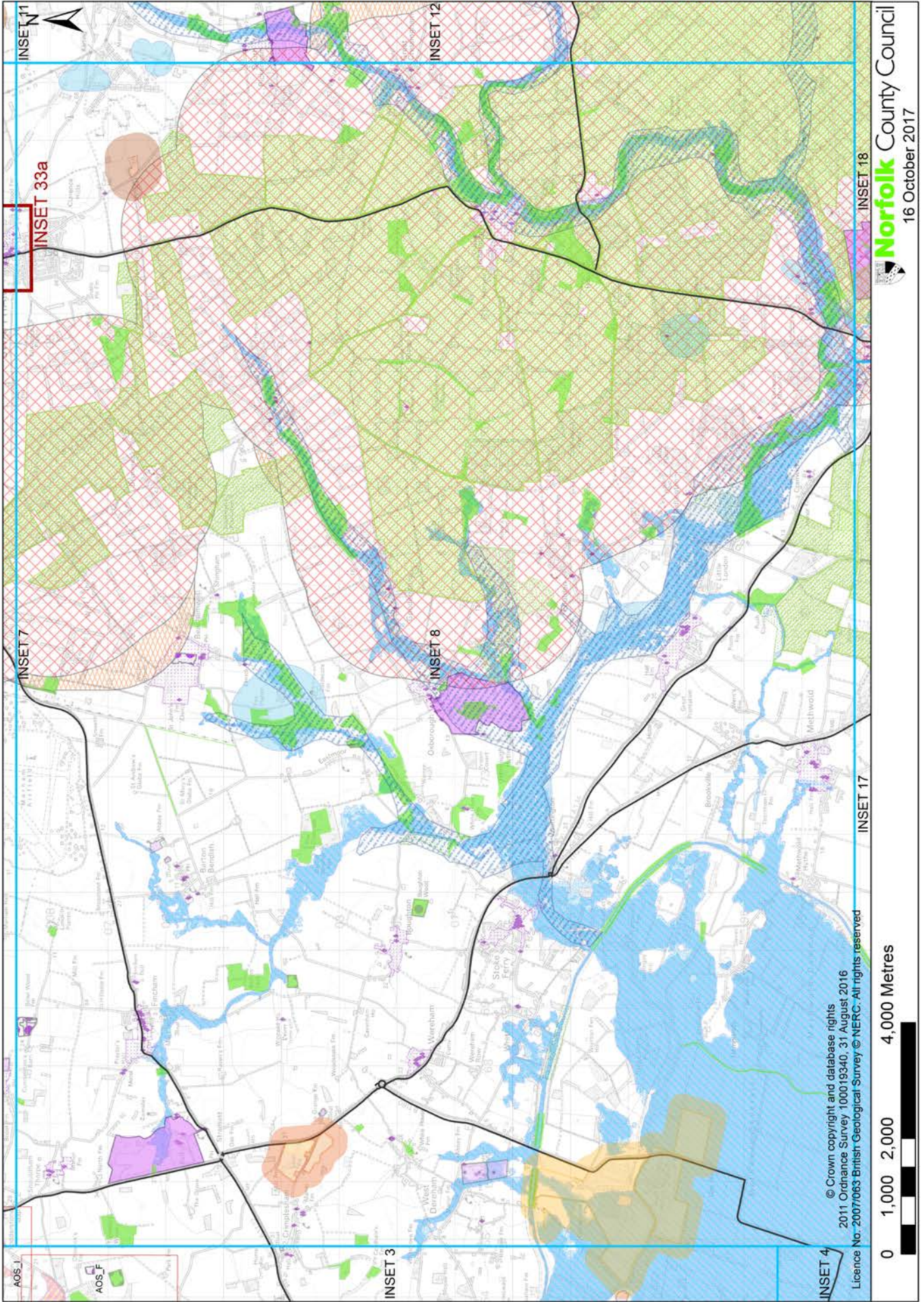


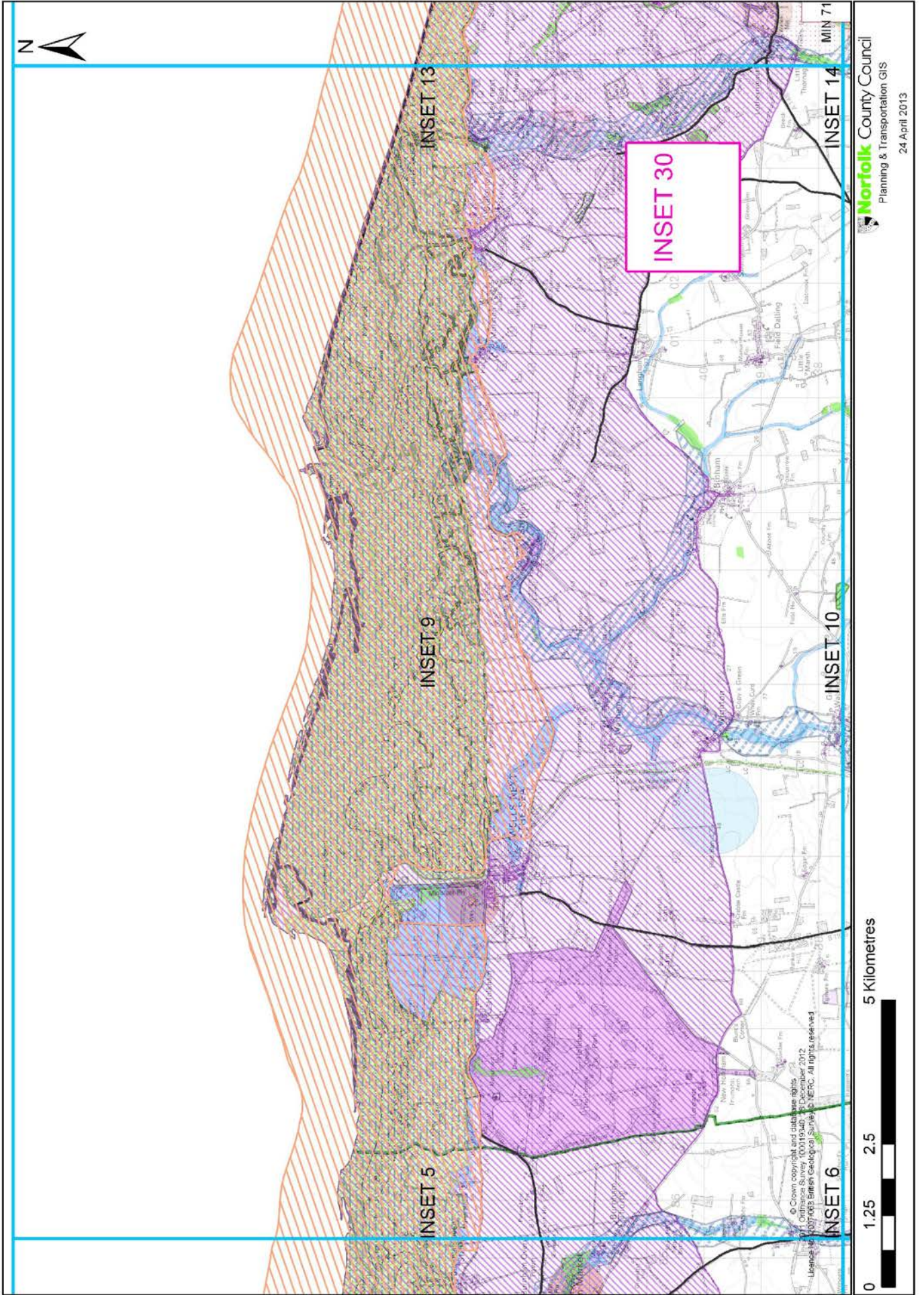
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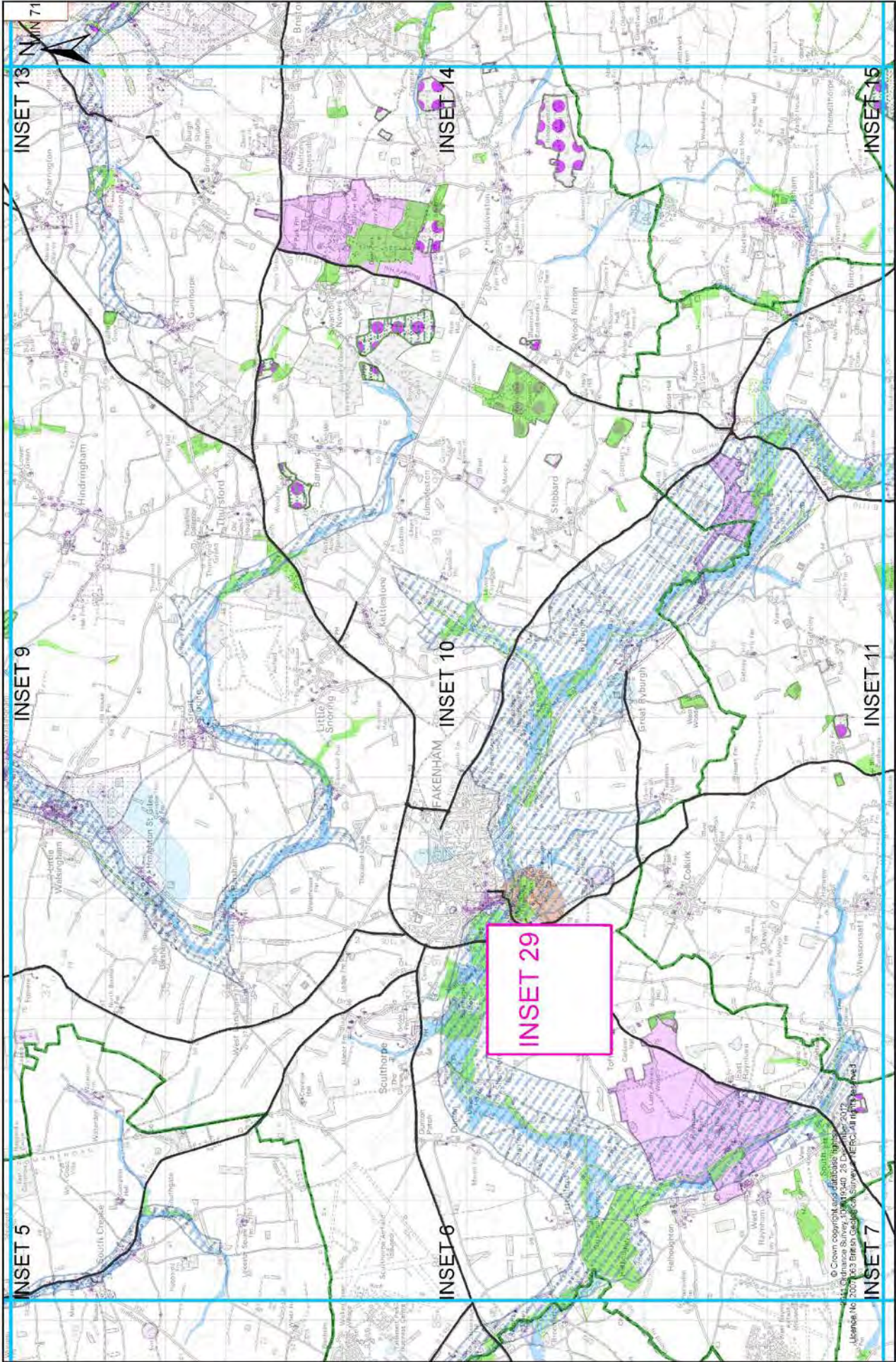
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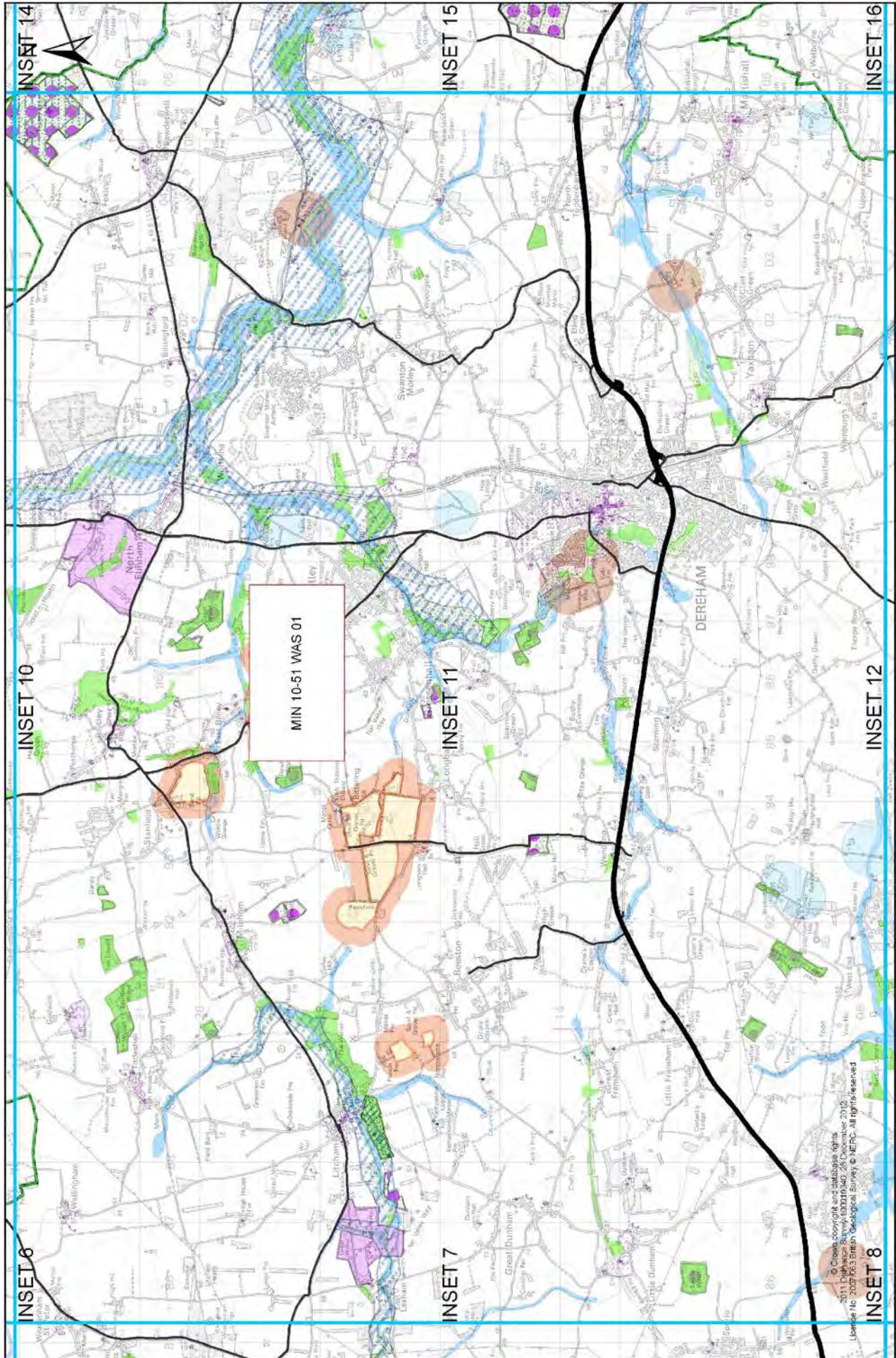








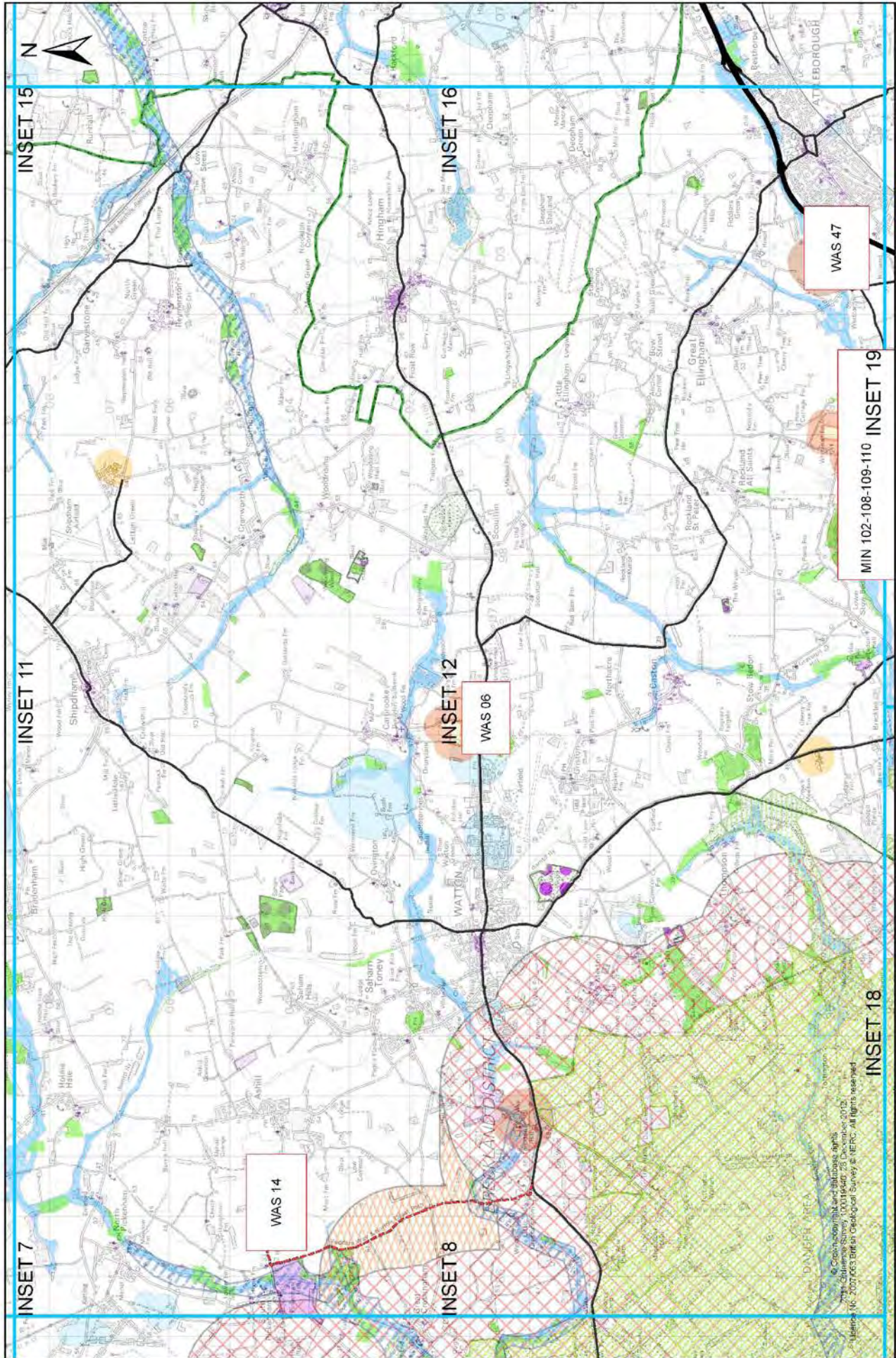
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MIN 10-51 WAS 01

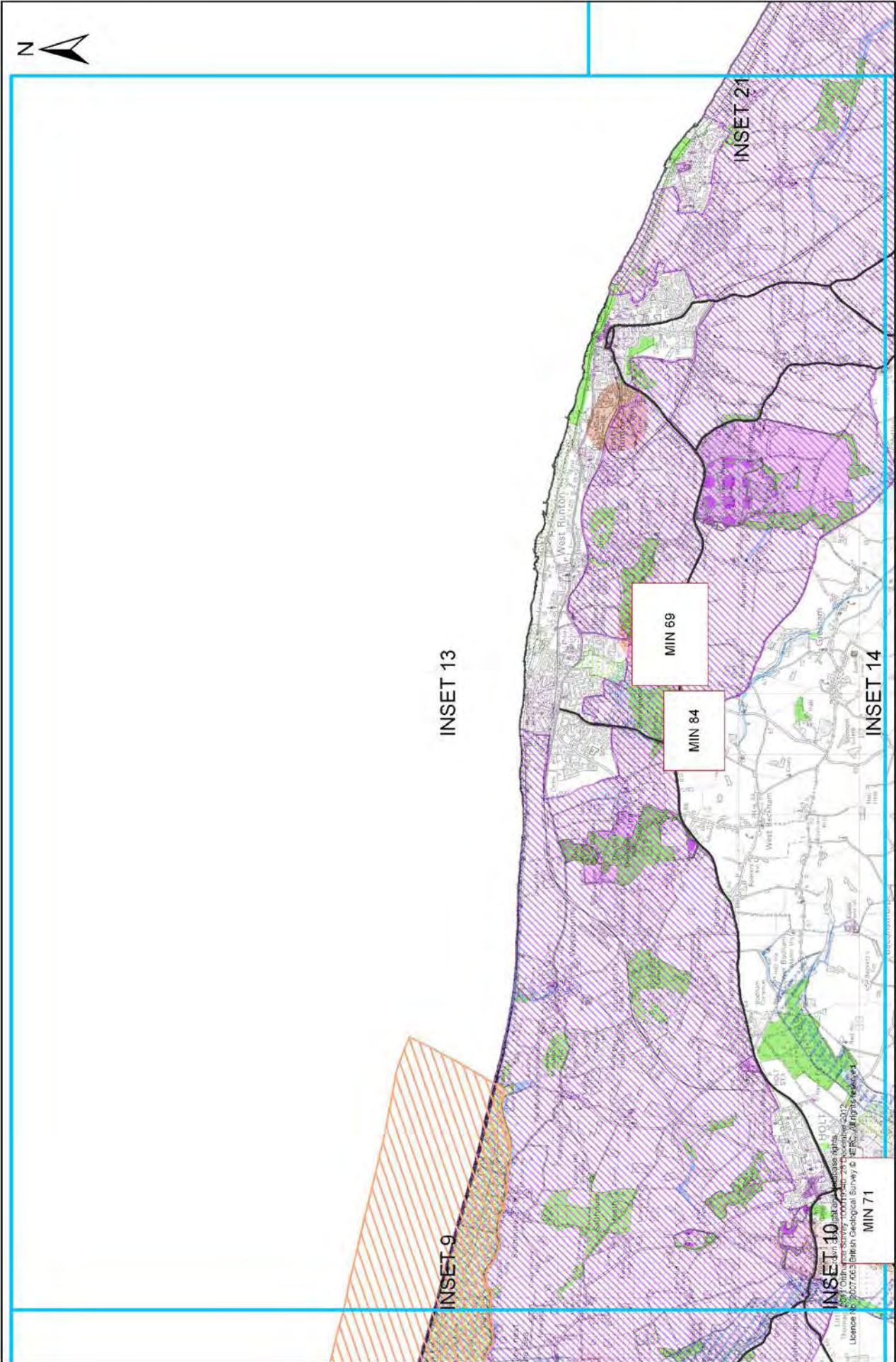
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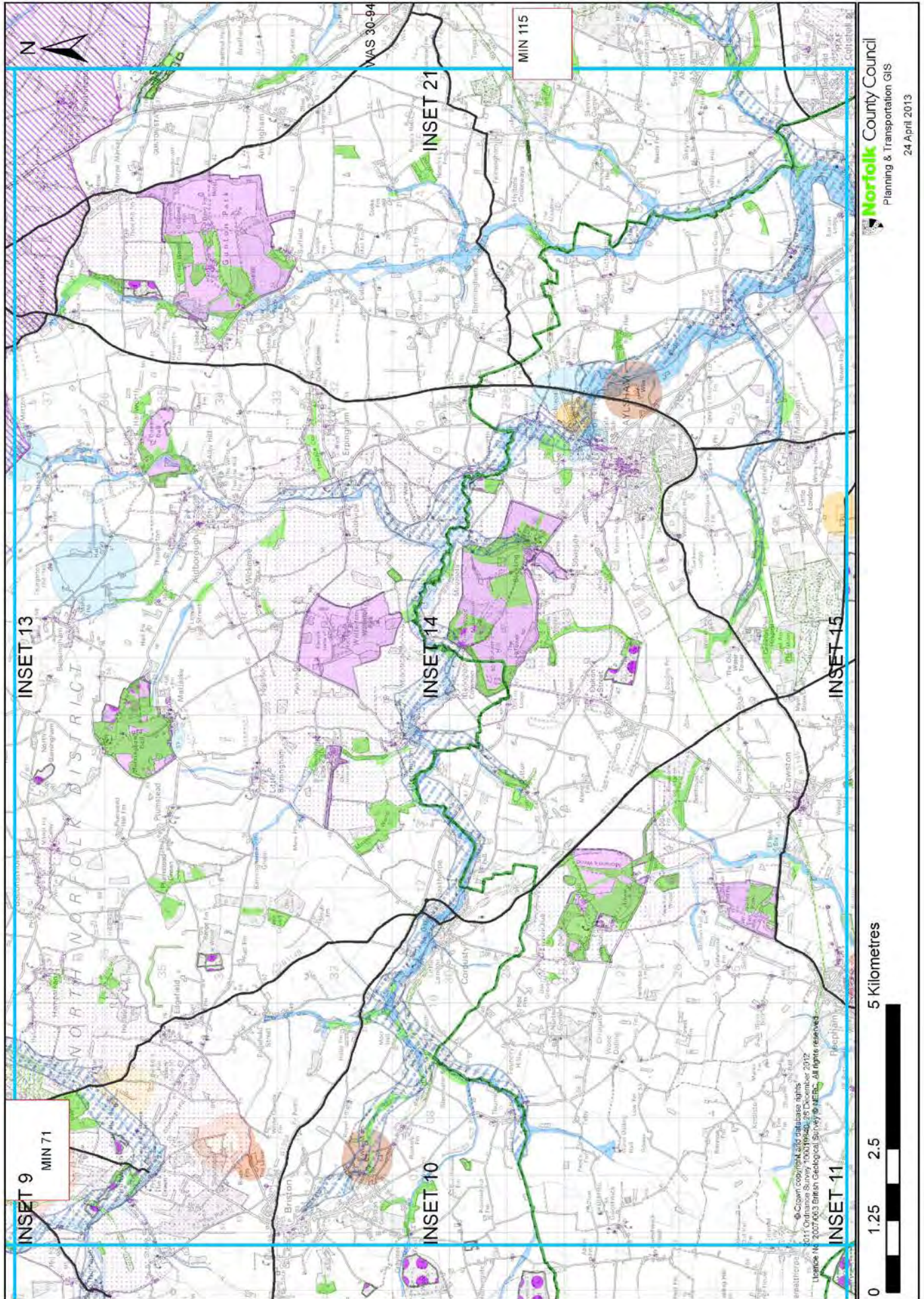


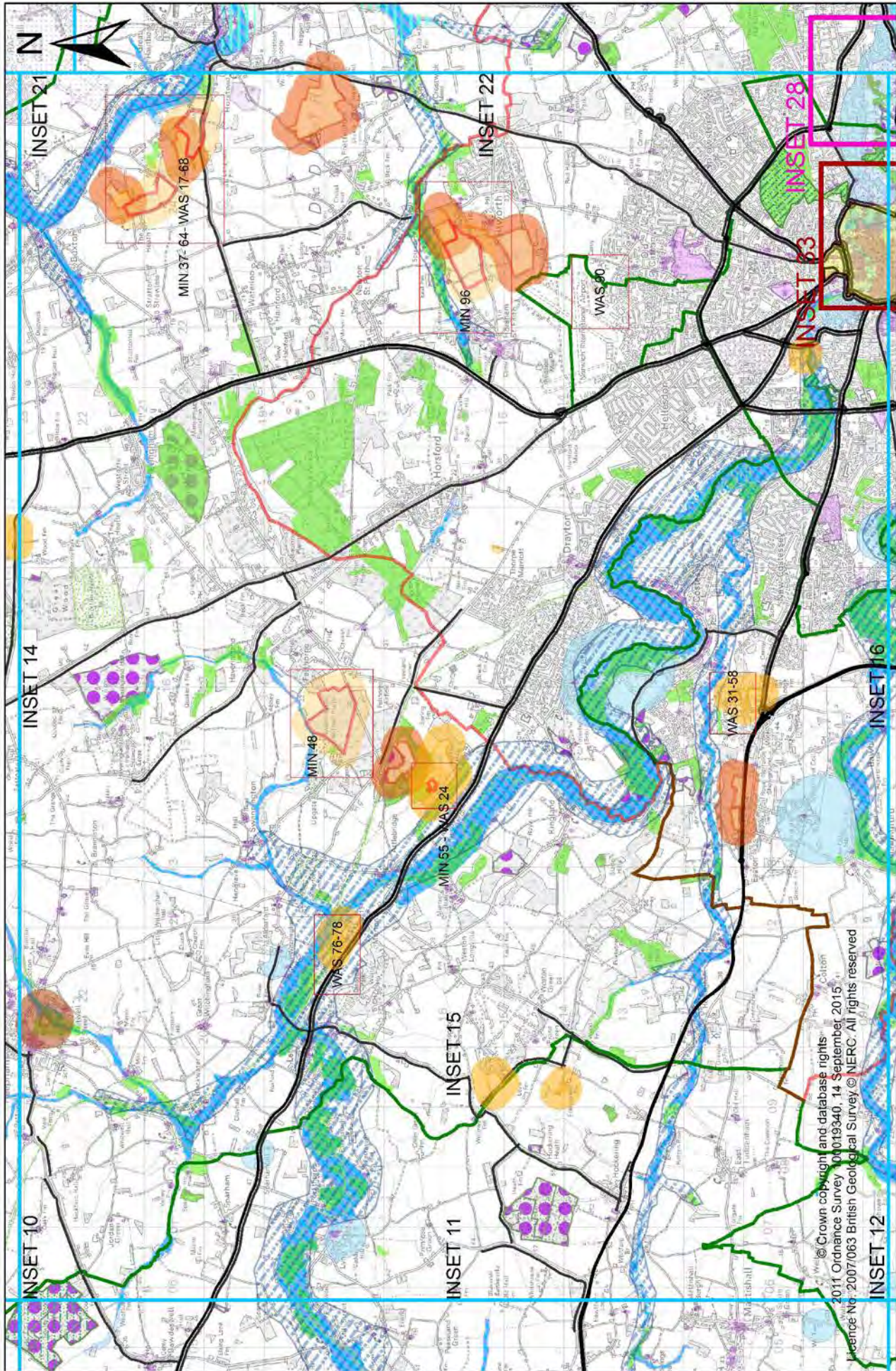


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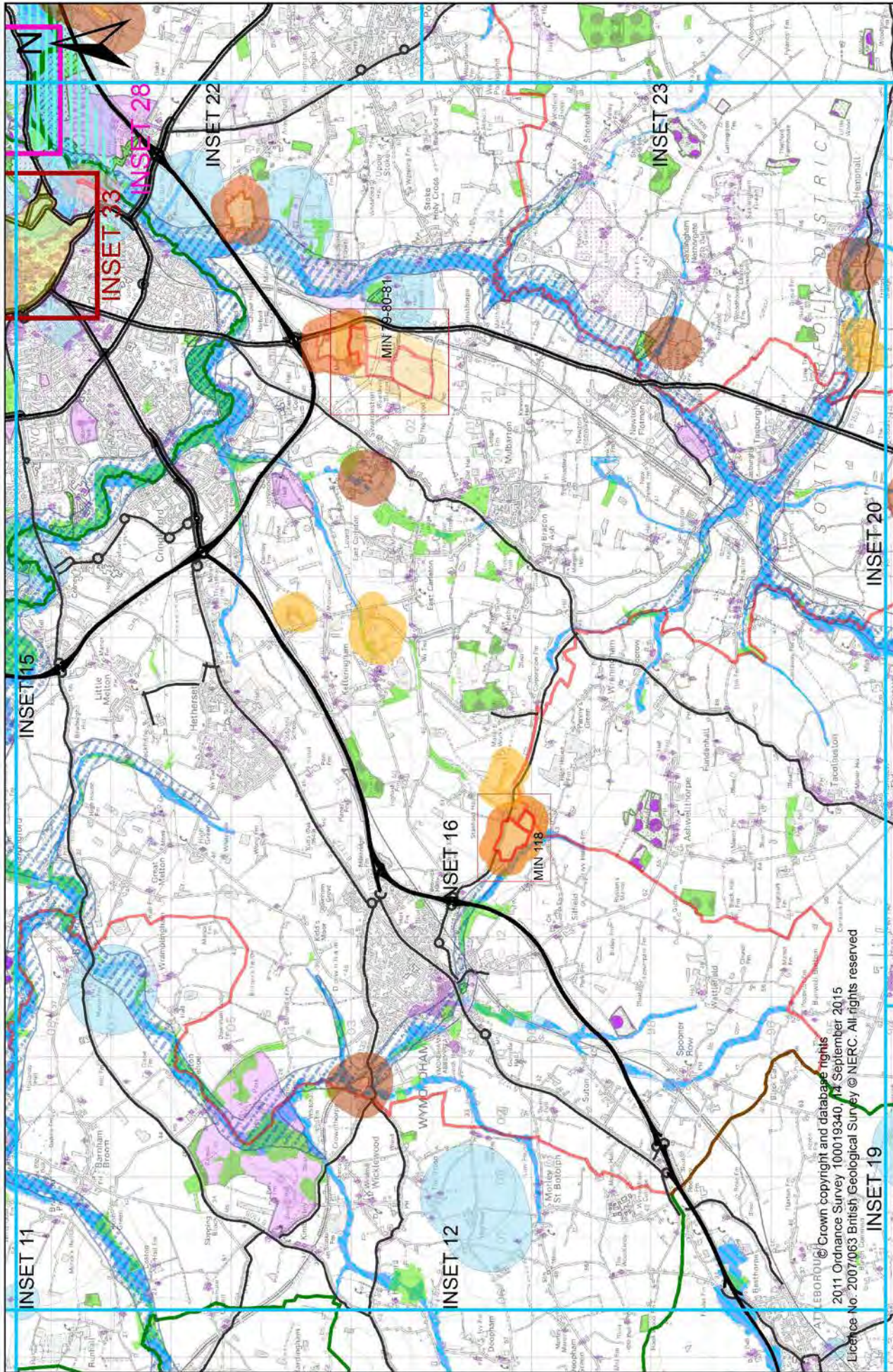
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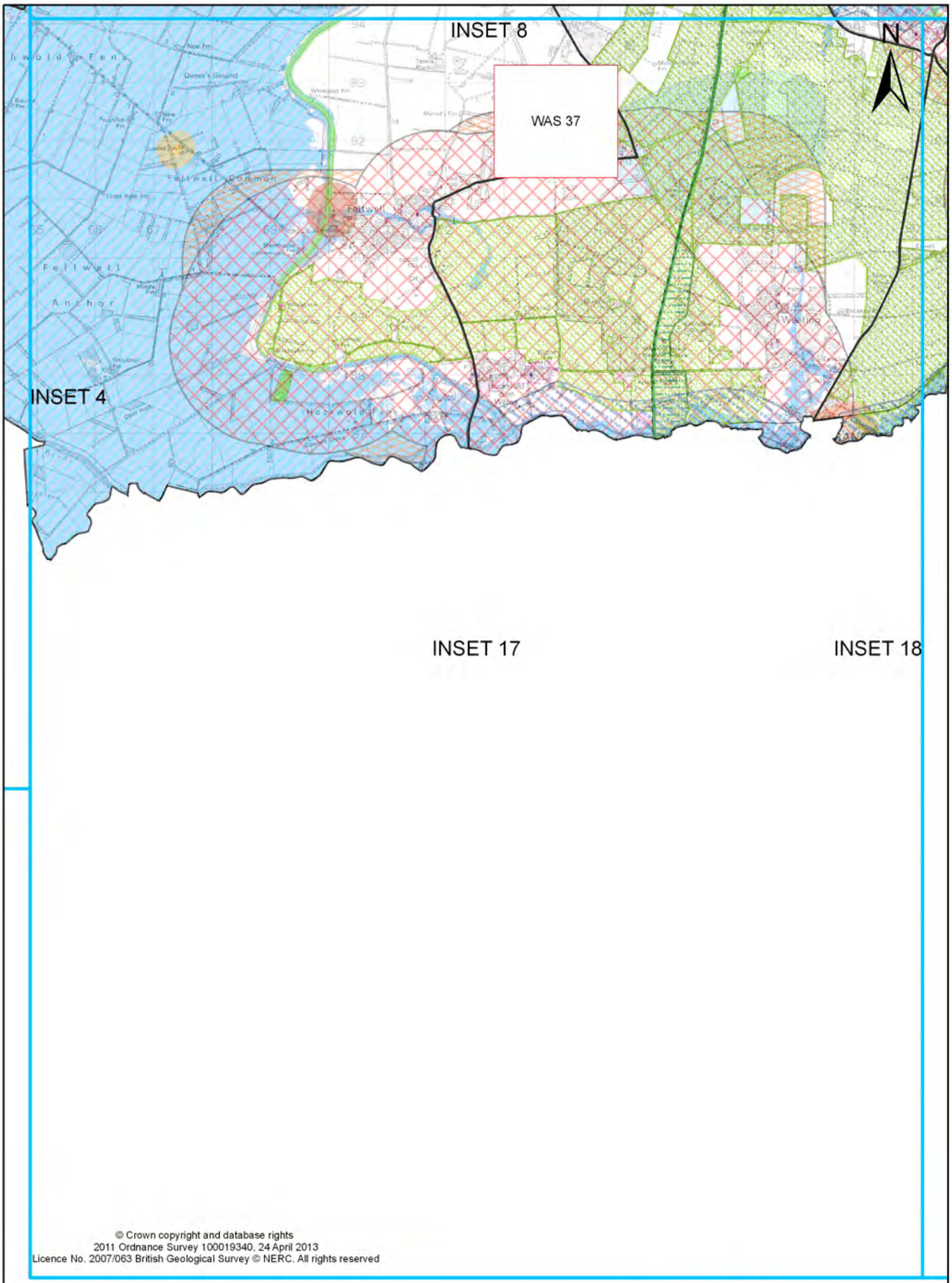
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5 Kilometres

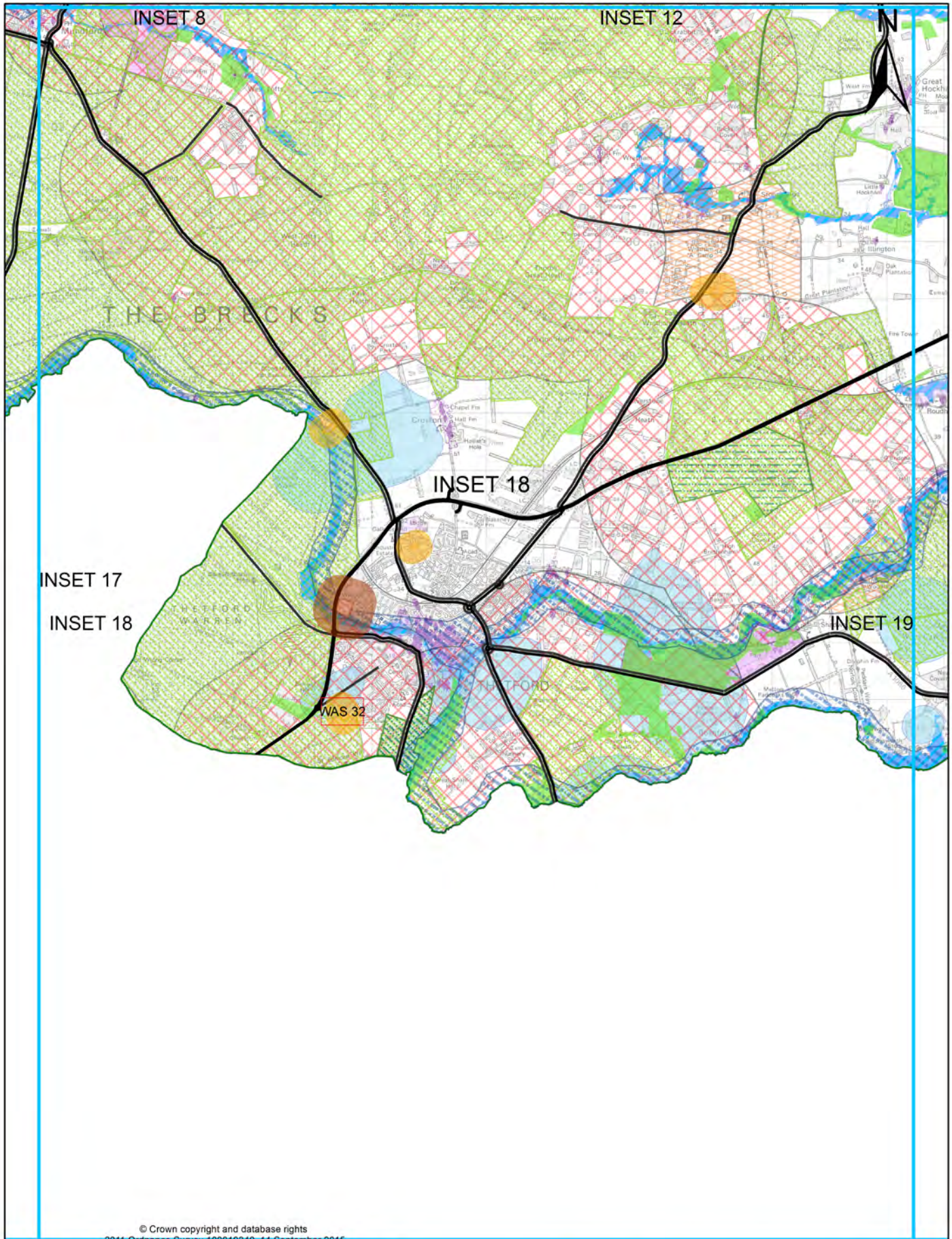




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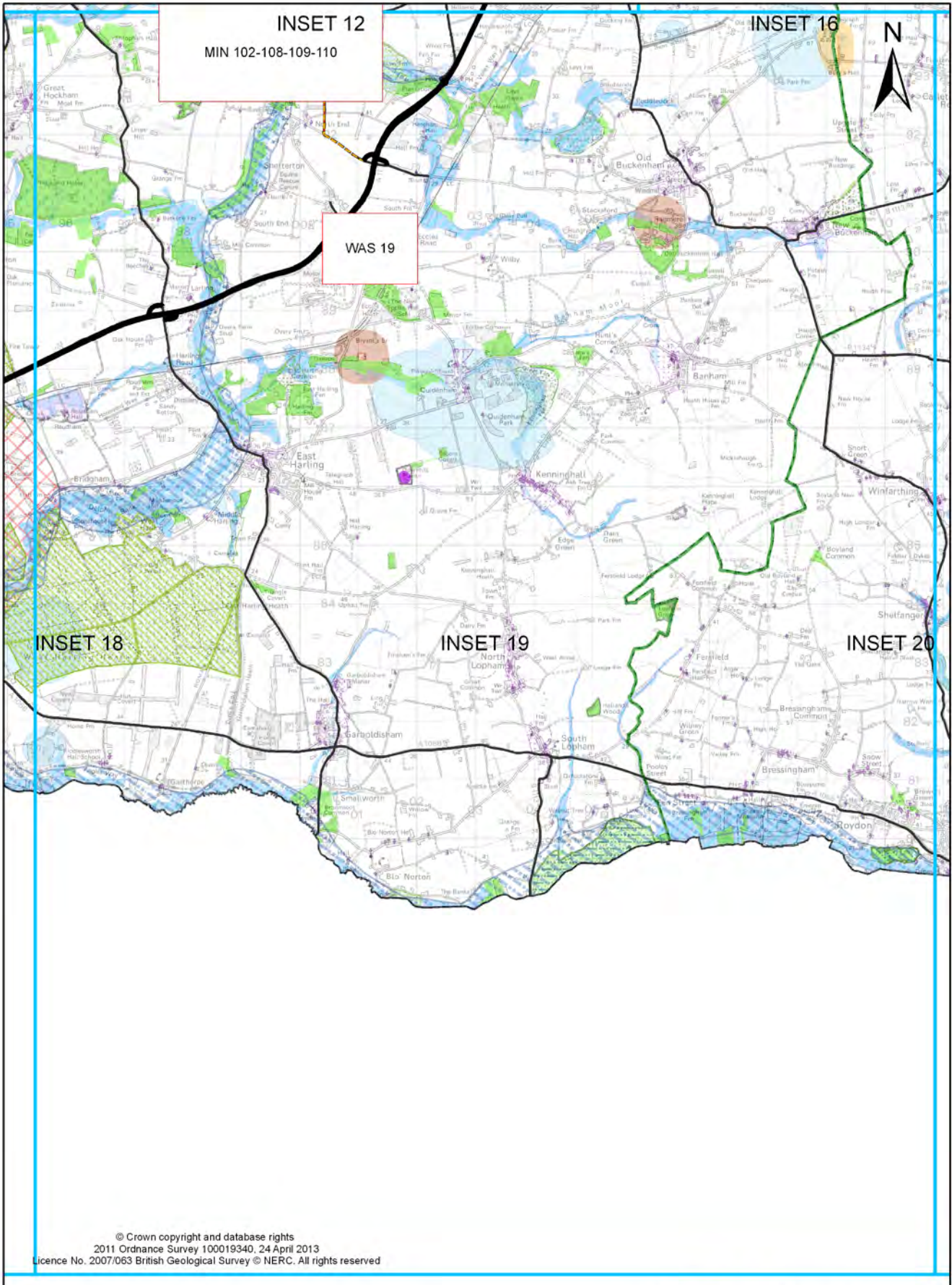
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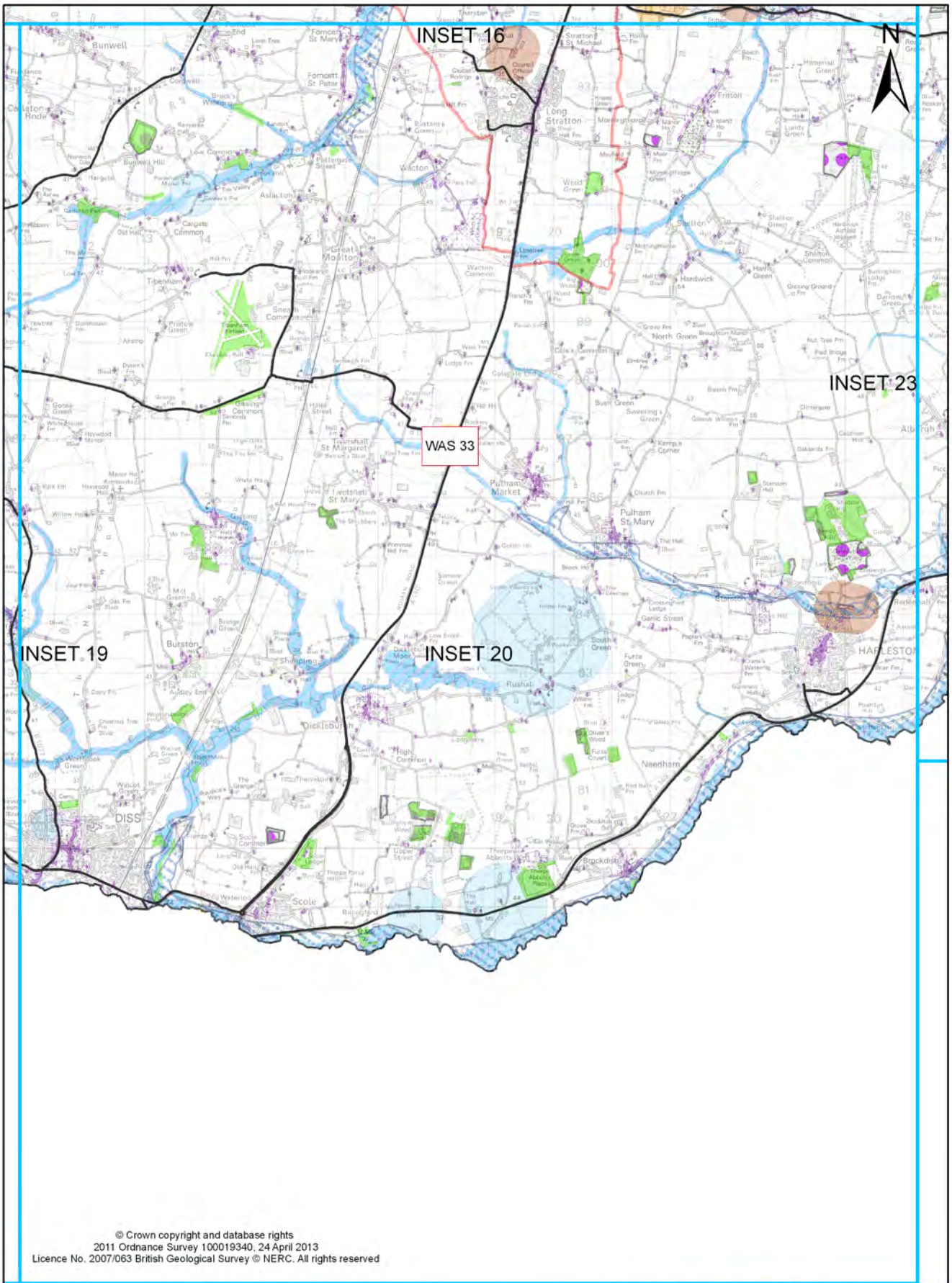
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0 1.25 2.5 5 Kilometres





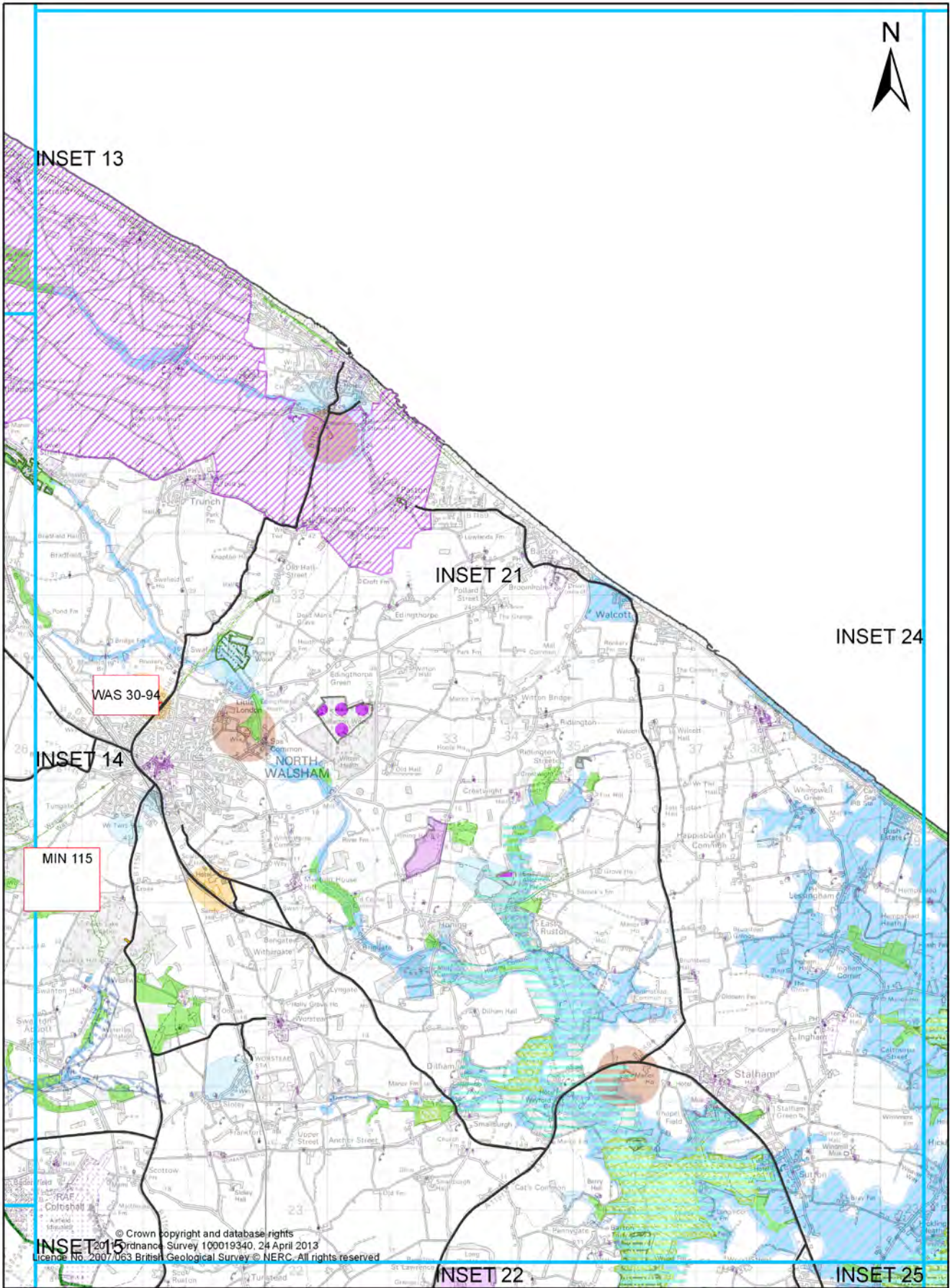
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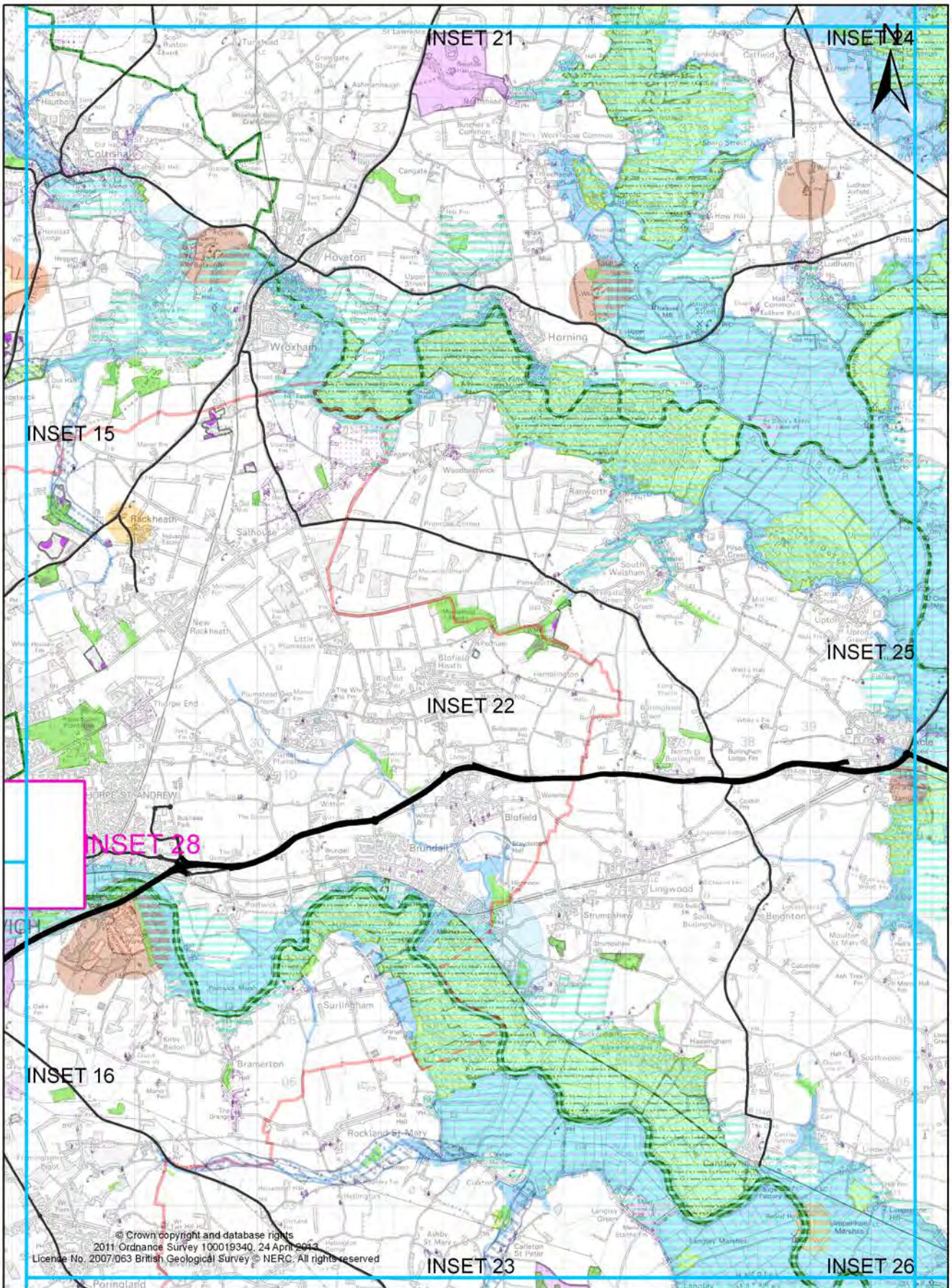


 **Norfolk** County Council

Planning & Transportation GIS

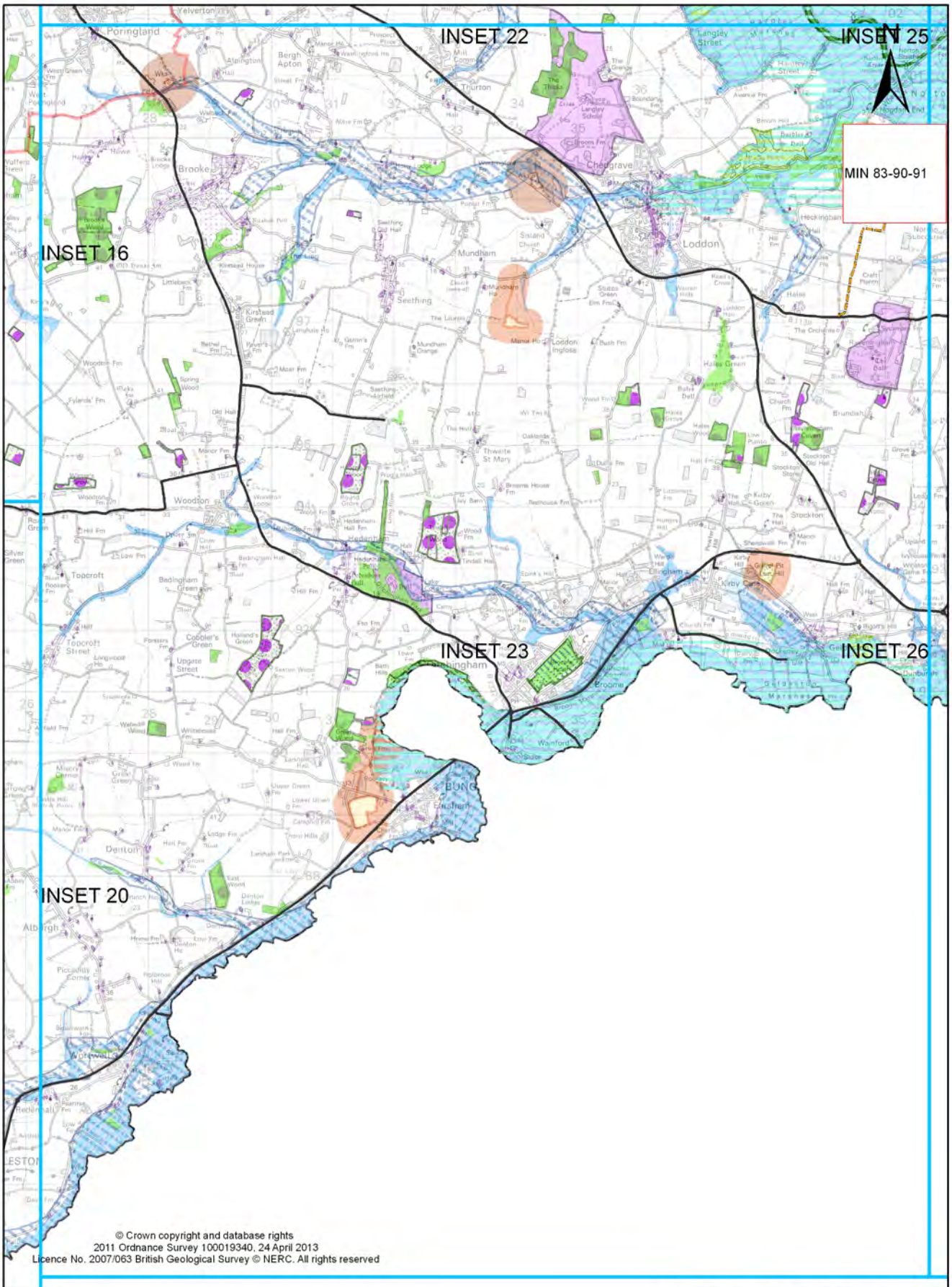
24 April 2013





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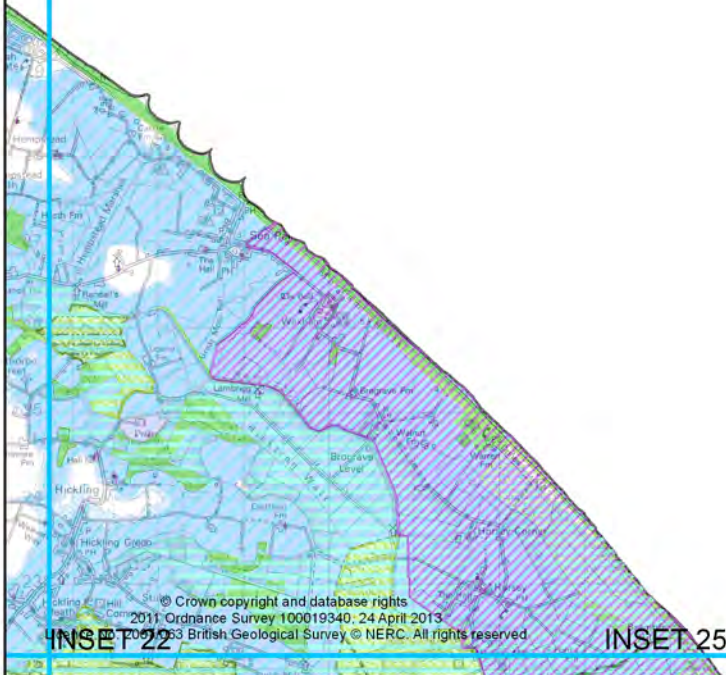
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INSET 21

INSET 24

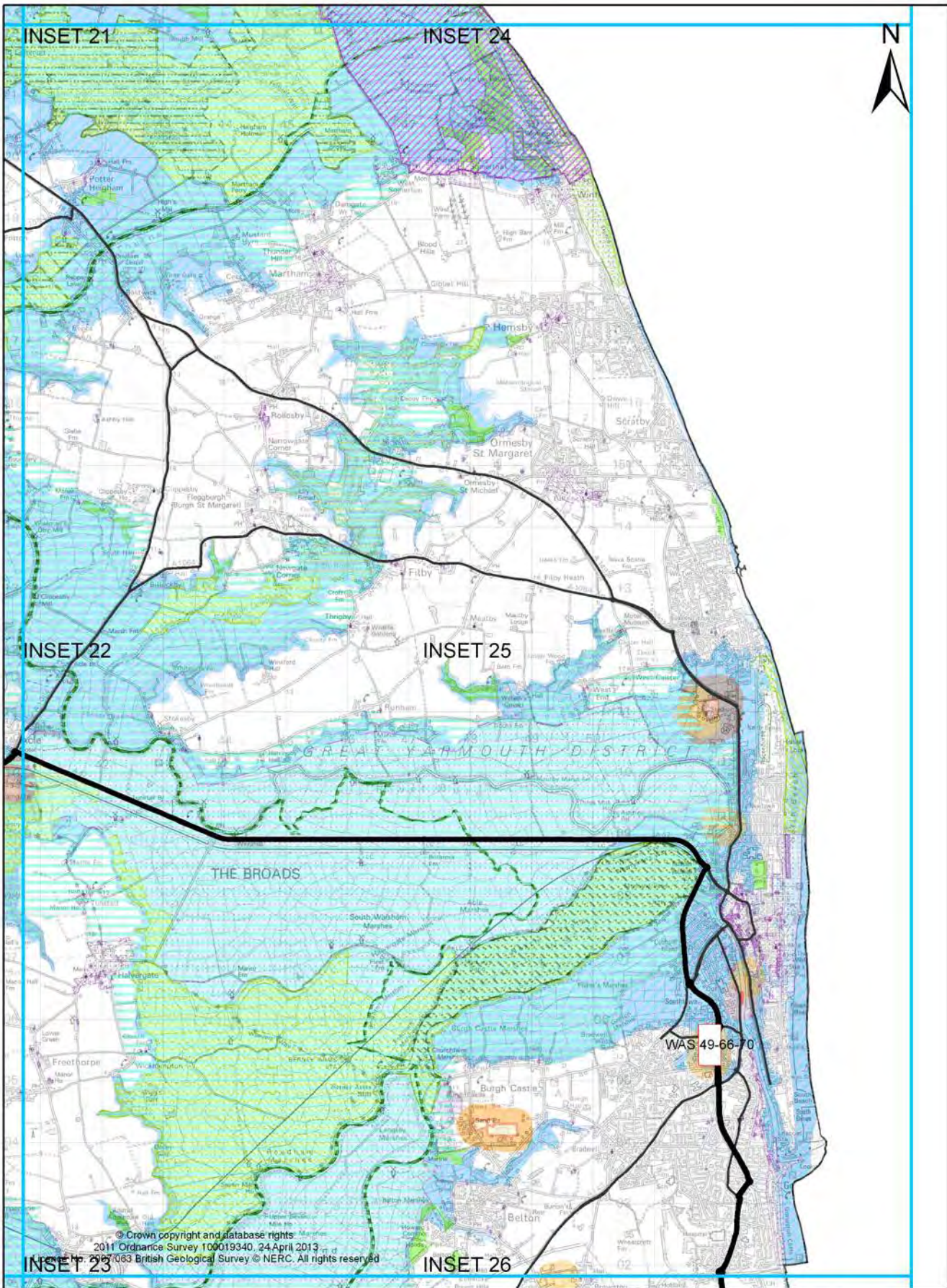


INSET 22

INSET 25

0 1.25 2.5 5 Kilometres





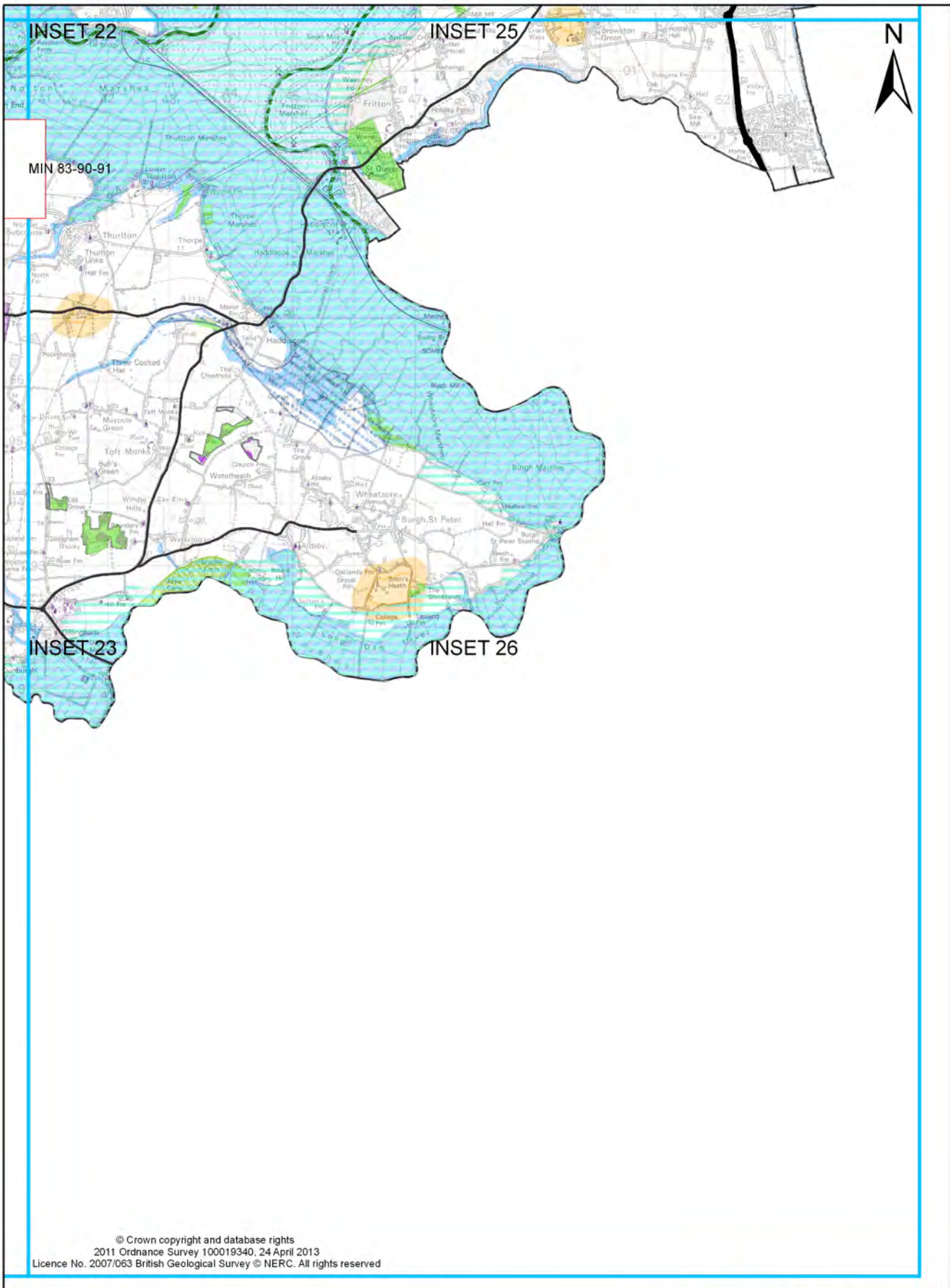
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 **Norfolk County Council**

Planning & Transportation GIS

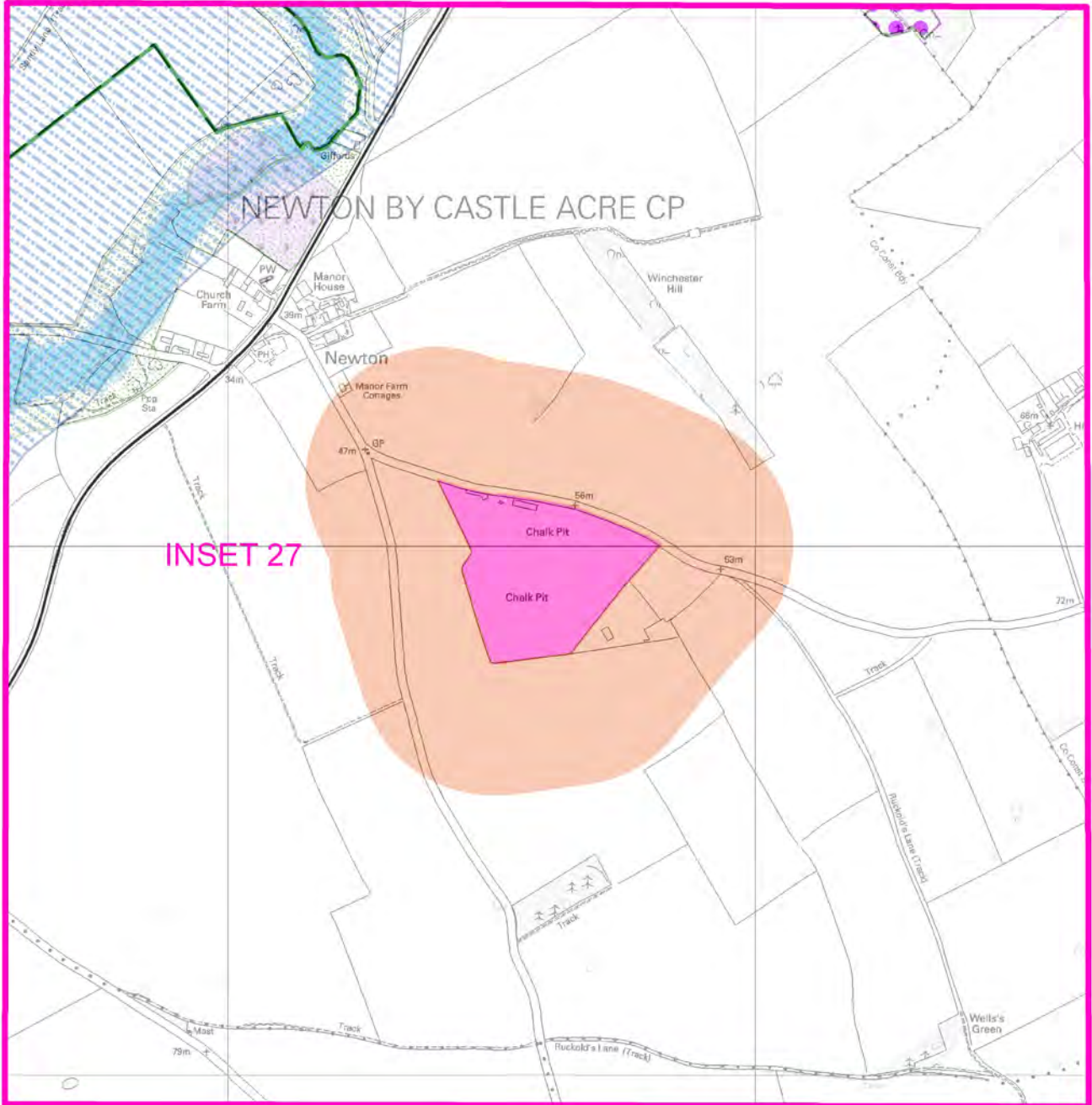
24 April 2013



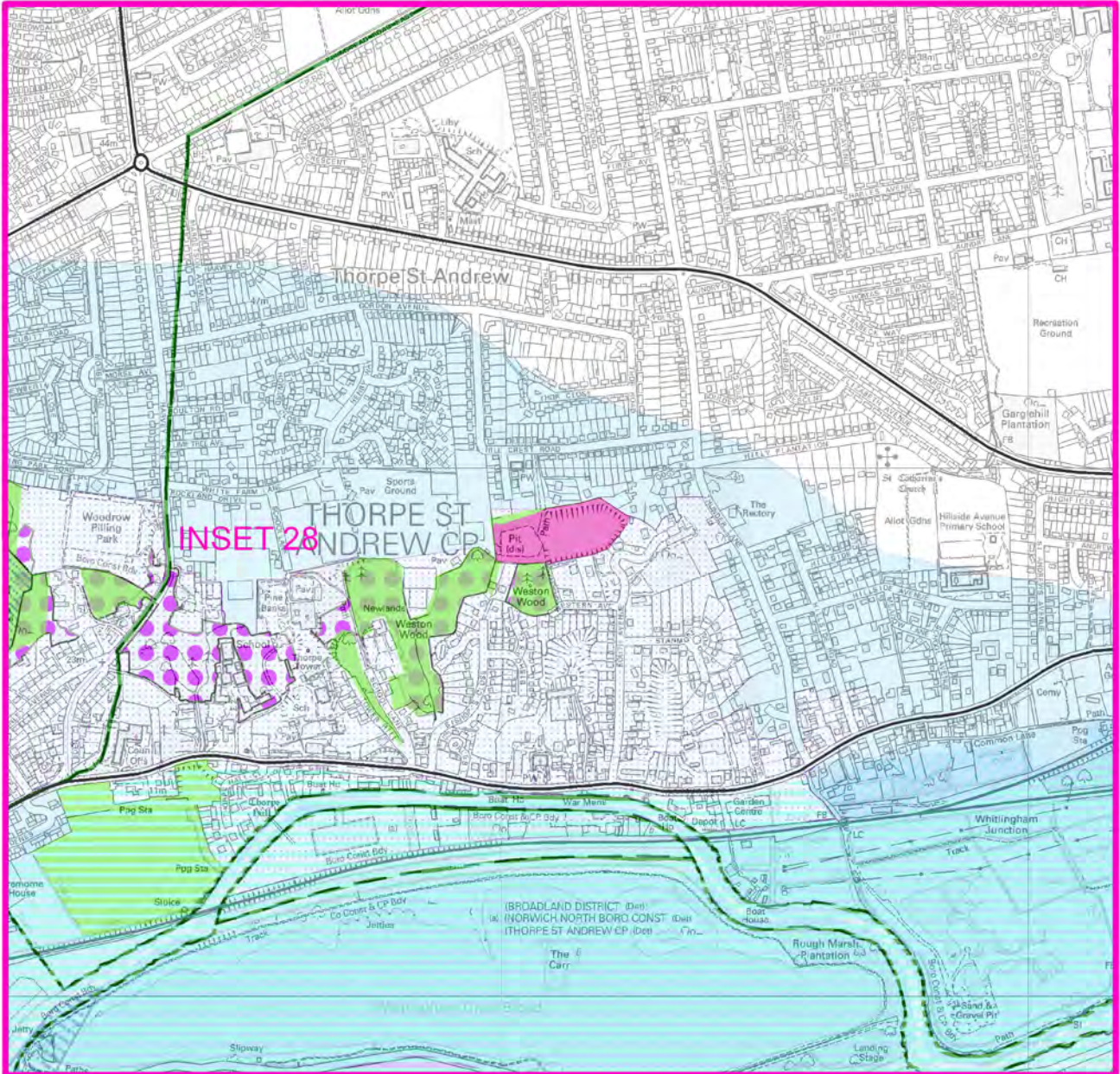
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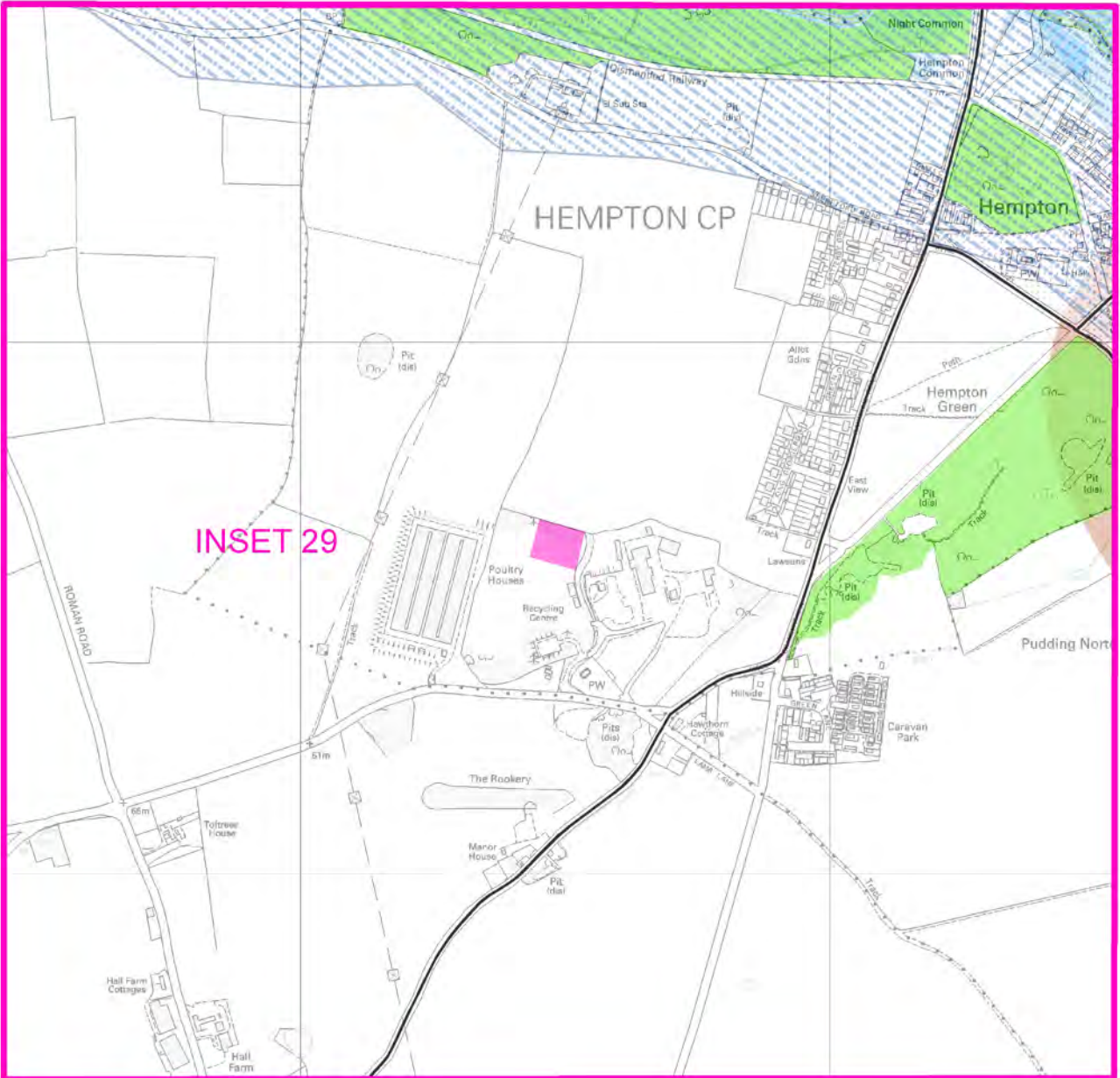
Insets 27-30
Regionally Important
Geological Sites (RIGS)



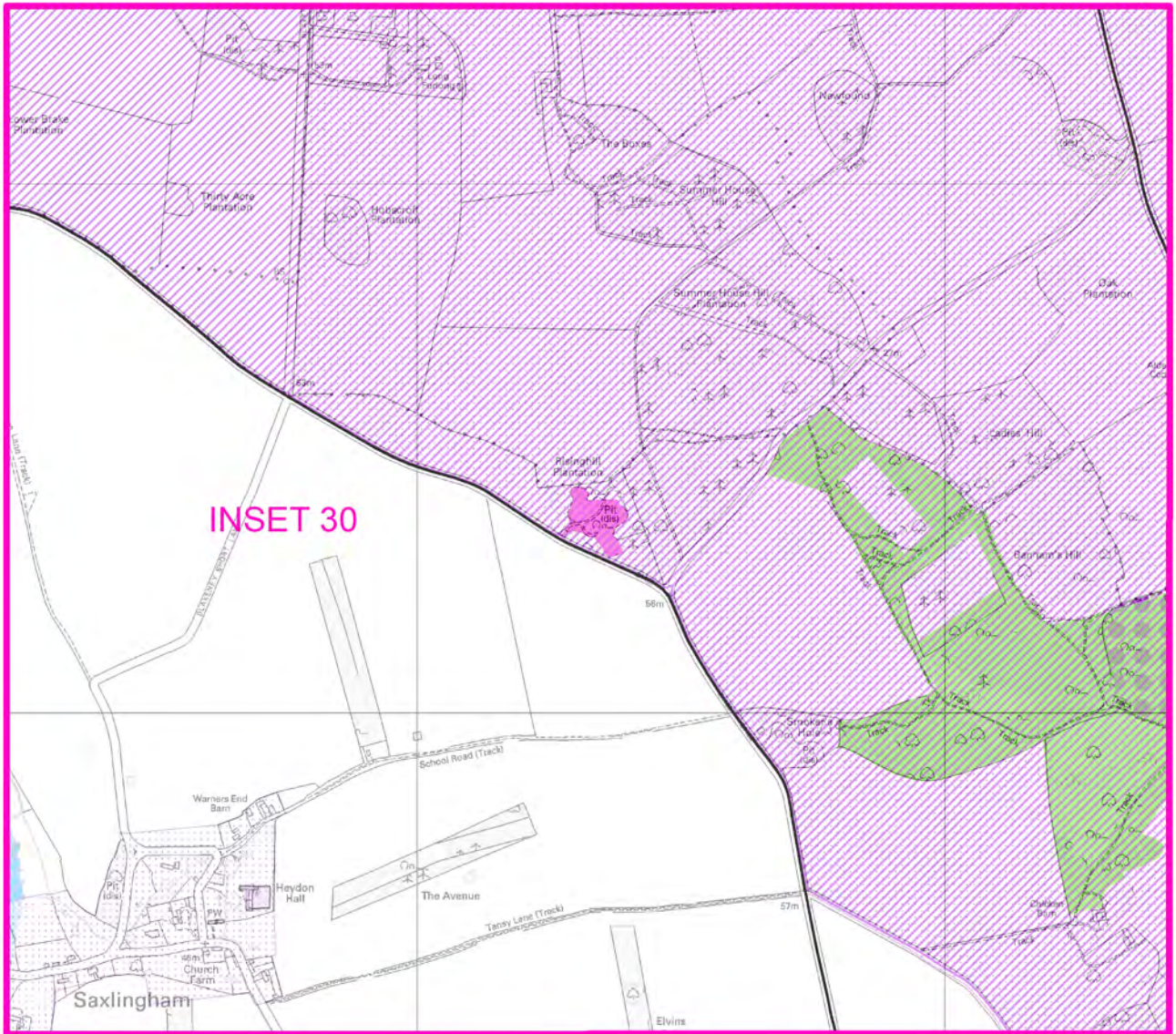
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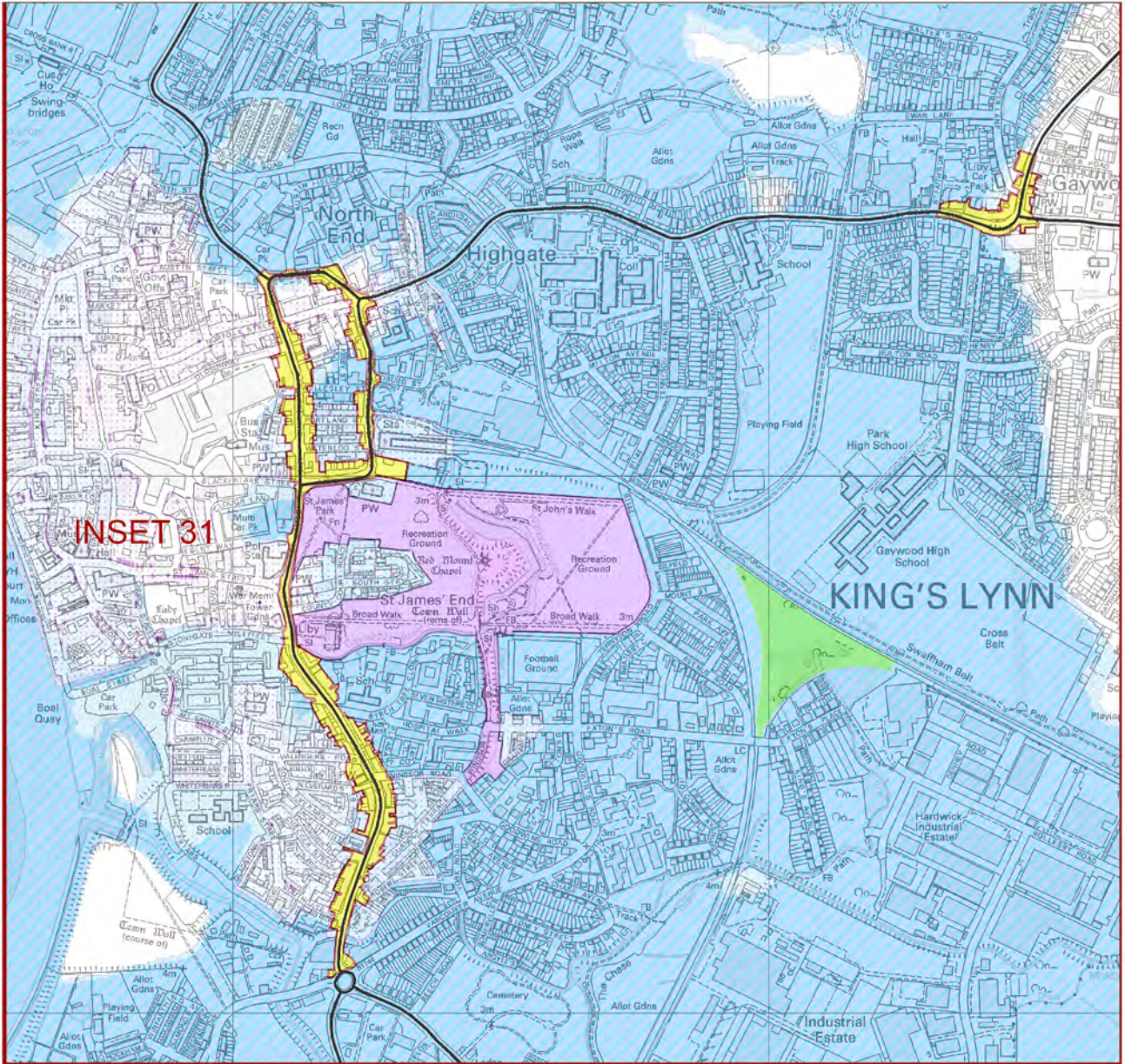


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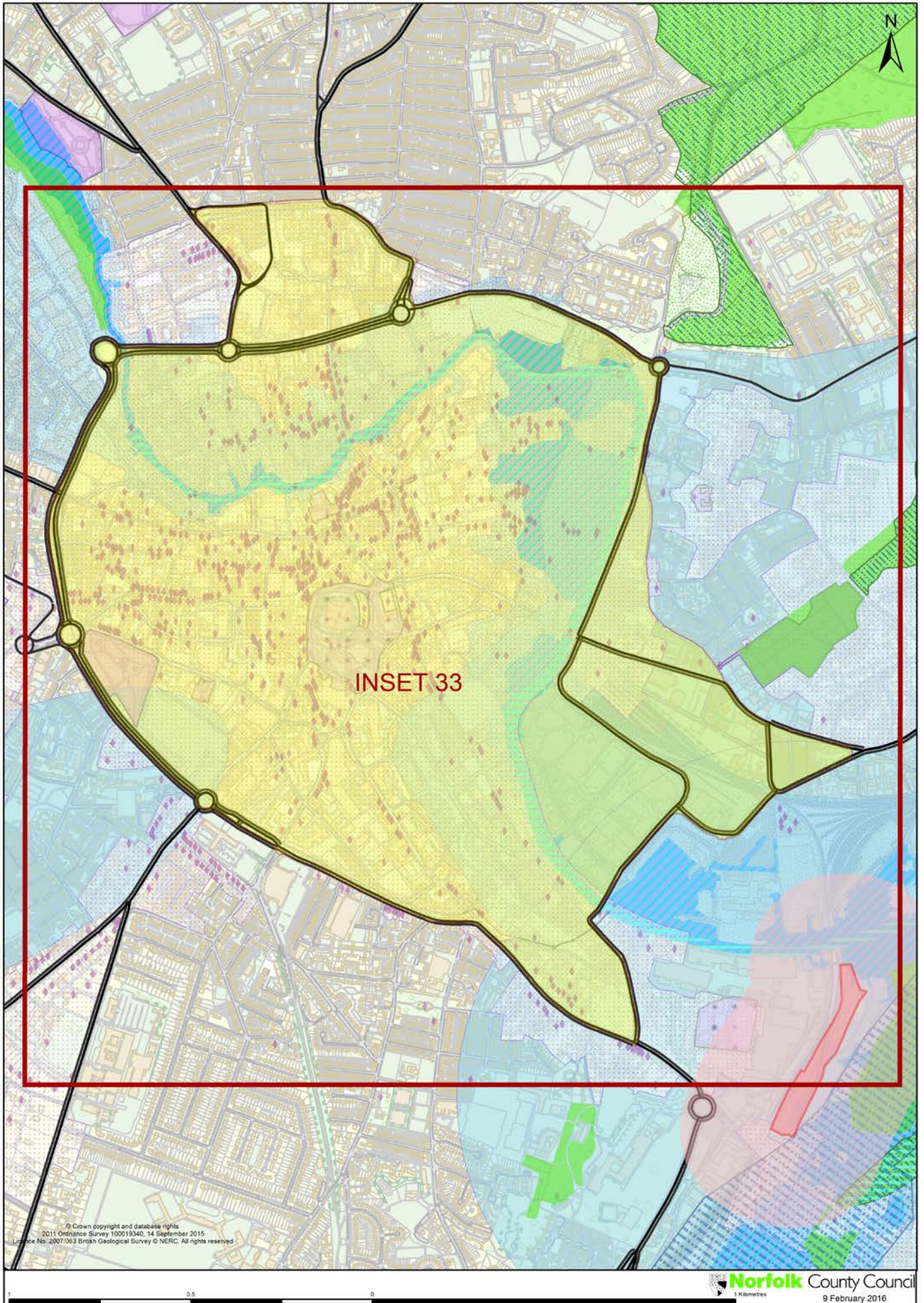
Insets 31, 33 and 33a Air Quality Management Areas (AQMA)

**Inset 32 has been removed as the AQMA at East
Wretham has been undesignated**

**Inset 33a has been added as Swaffham has been
designated an AQMA**

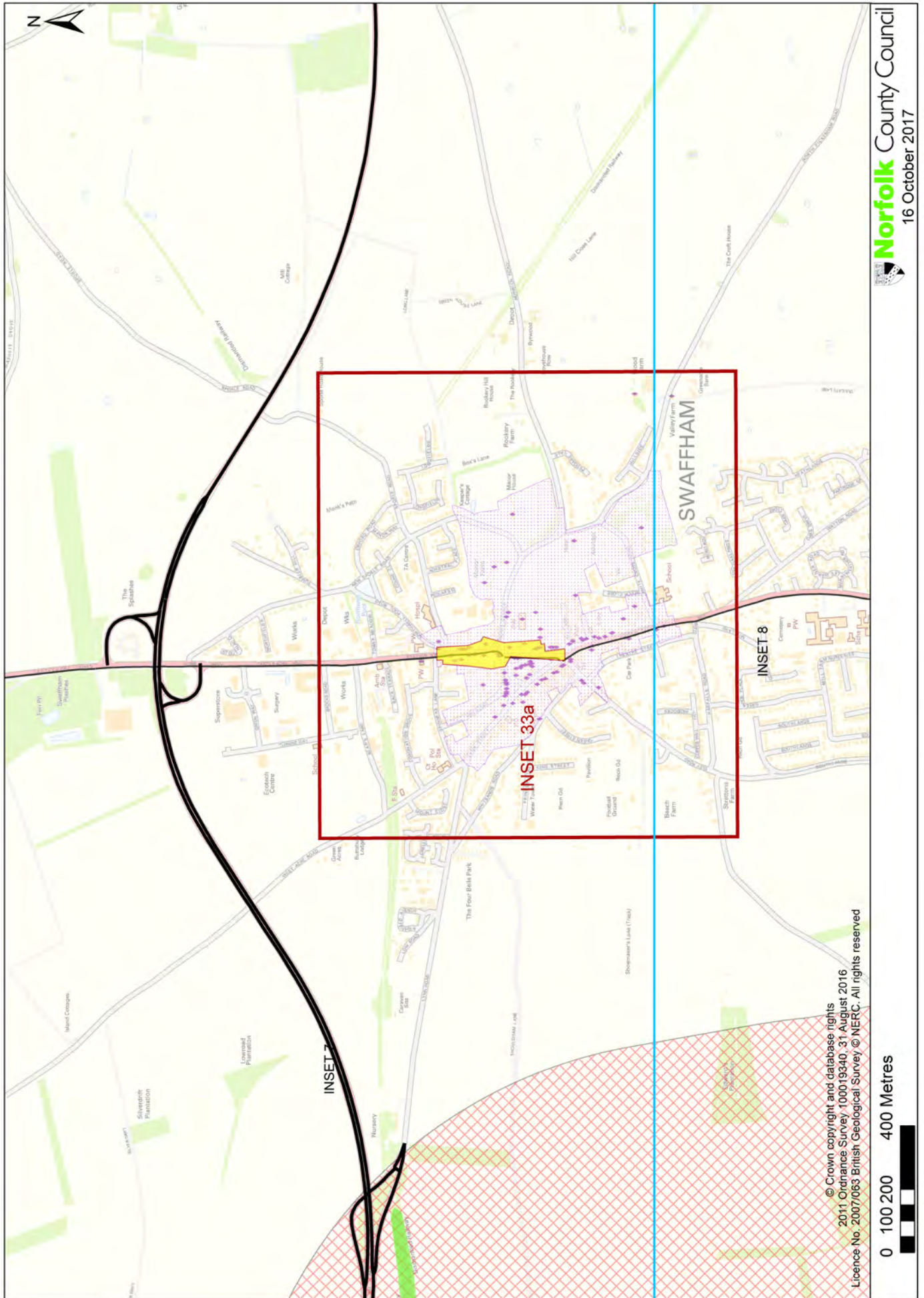


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INSET 33



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






Airport Safeguarding Inset Maps

Key - Airport Safeguarding

Felthorpe Airfield Safeguarding

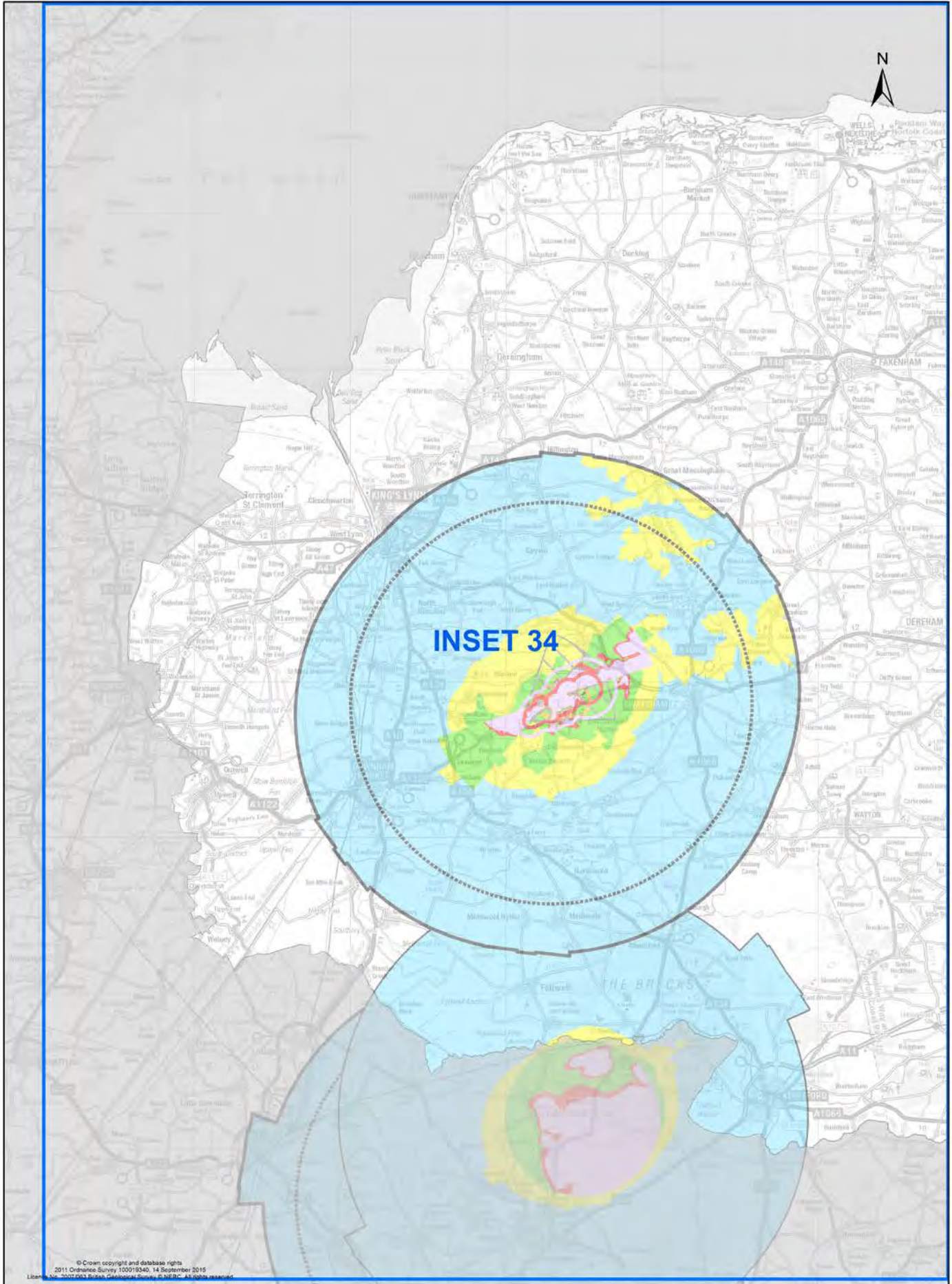
-  Consult on all Development
-  Consult on all development exceeding 30.5 metres

MoD Safeguarding

-  Consultation required for any overhead power lines above 100kv
-  Consultation required for all applications involving a refuse tip, a reservoir, a sewage disposal works, a nature reserve or a bird sanctuary
-  Any building or structure with elevations clad or partly clad in metallic type materials, or roofing clad or partly clad in metallic type materials
-  Consultation required for any building, structure or works exceeding 10.7m in height above ground level
-  Consultation required for any building, structure or works exceeding 15.2m in height above ground level
-  Consultation required for any development or change of use of land
-  Consultation required to erect a building of curtain wall construction or clad or substantially clad in glass
-  Consultation required for any building structure or works exceeding 45.7m in height above ground level
-  Consultation required to carry out building, engineering, mining, or other operations or to make any material changes in the use of any building or other land
-  Consultation required for any building, structure or works exceeding 91.4m in height above ground level
-  Consultation required for developments that involve flying activities including gliding, micro-light aircraft and hang-gliding sites

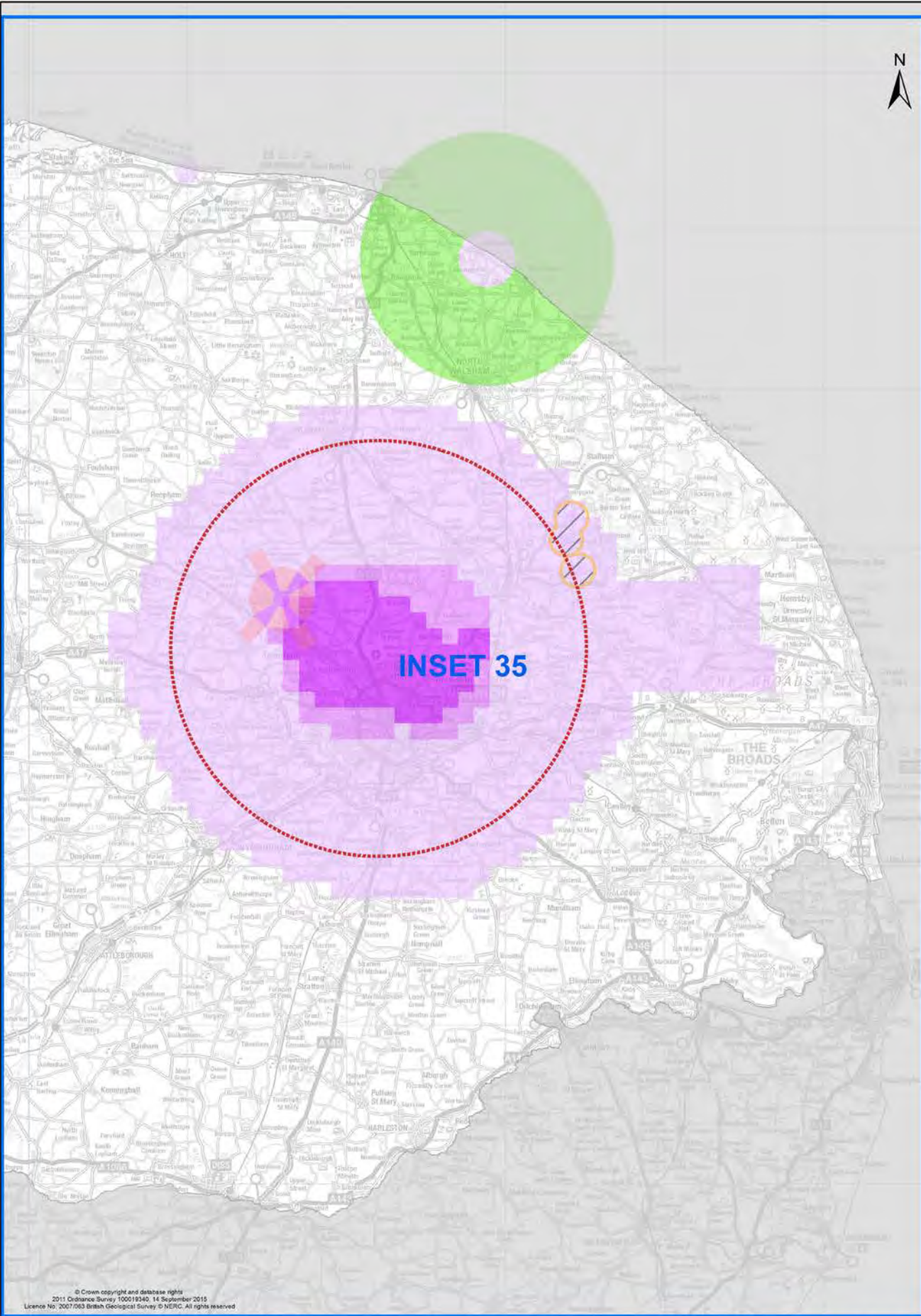
Norwich Airport Safeguarding

-  All Developments
-  Consult on Developments Exceeding 10 metres
-  Consult on Developments Exceeding 15 metres
-  Consult on Developments Exceeding 45 metres
-  Consult on Developments Exceeding 90 metres
-  Bird Strike Consultation Zone



INSET 34

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


Mineral Site Specific Allocation Inset Site Maps

Legend

Areas of Search and allocations

-  Areas of Search
-  Mineral site allocations
-  Consultation area for safeguarded mineral extraction - allocation
-  Waste site allocations
-  Indicative site screening
-  Indicative site buffers






Insets

-  allocation insets
-  AQMA insets
-  RIGS insets




Safeguarded existing Mineral and Waste sites

-  Safeguarded existing mineral extraction sites
-  Safeguarded existing waste management sites
-  Safeguarded existing mineral infrastructure
-  Safeguarded existing key wastewater treatment works
-  Consultation area for safeguarded waste management sites-existing
-  Consultation area for safeguarded mineral infrastructure-existing
-  Consultation area for safeguarded mineral extraction sites-existing
-  Consultation area for safeguarded key WWTW-existing
-  Air Quality Management Area (AQMA)





Road Network

-  Trunk Roads
-  A Roads
-  Mineral access route
-  Waste access route
-  Designated Lorry Routes in Norfolk




Safeguarded mineral resources

-  Mineral Safeguarding Area (Silica Sand)
-  Mineral Safeguarding Area (Sand and Gravel)
-  Mineral Safeguarding Area (Carstone)












Landscape designations

-  North Norfolk Heritage Coast
-  Core River Valleys
-  Area of Outstanding Natural Beauty (AONB)
-  Broads Authority Executive Area





Administrative boundaries

-  Norwich Policy Area
-  Districts
-  Norfolk Parishes




Environmental designations

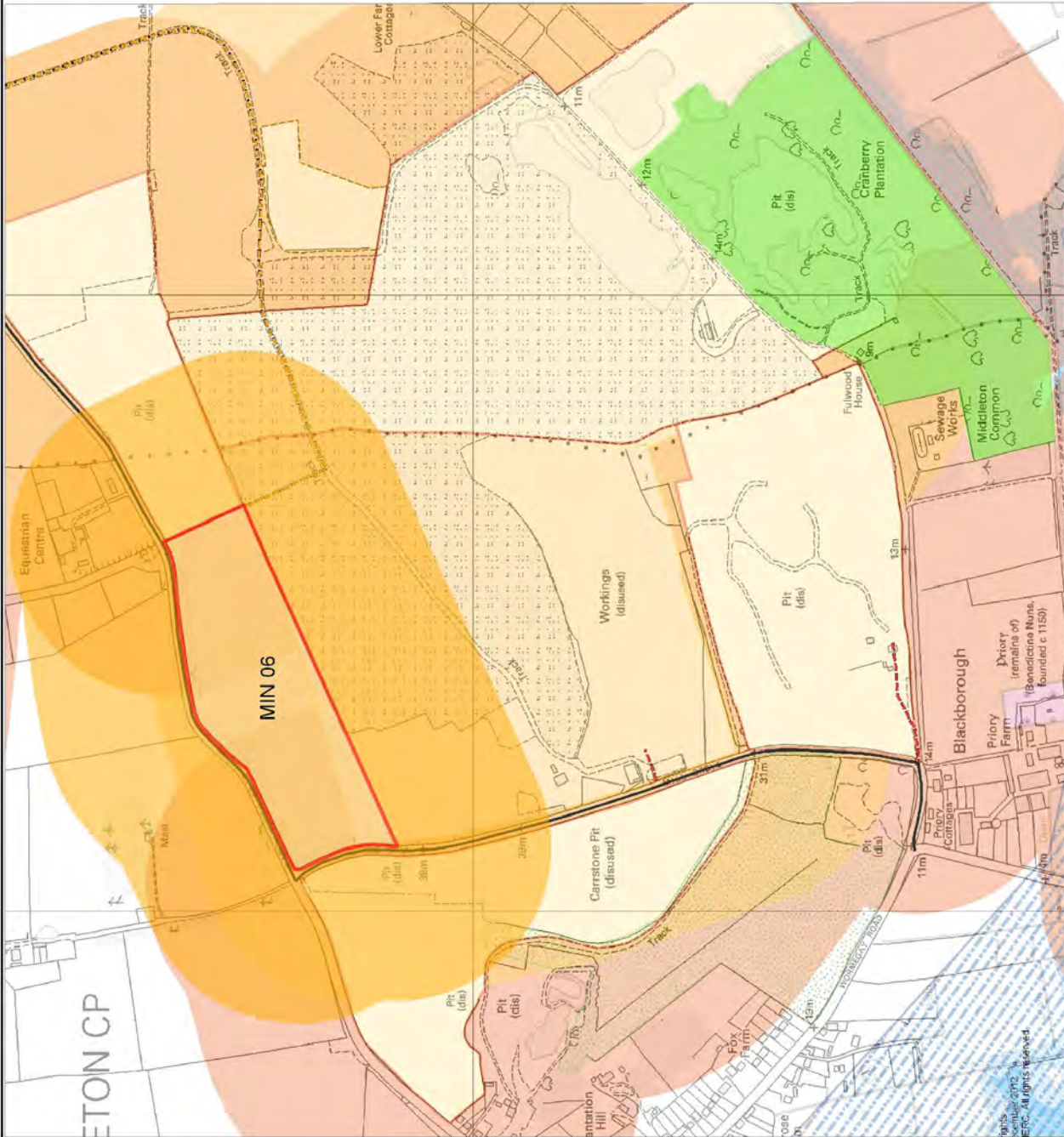
-  Local Nature Reserves
-  National Nature Reserves
-  Special Protection Area (SPA)
-  Special Area of Conservation (SAC)
-  Site of Special Scientific Interest (SSSI)
-  Ramsar sites
-  County Wildlife Sites
-  Ancient Woodland
-  Regionally Important Geological Sites (RIGS)
-  Mitigation zone for stone curlews
-  Protection zone for stone curlews

Heritage designations

-  Registered Historic Parks and Gardens
-  Scheduled Monuments
-  Listed Buildings
-  Conservation Areas

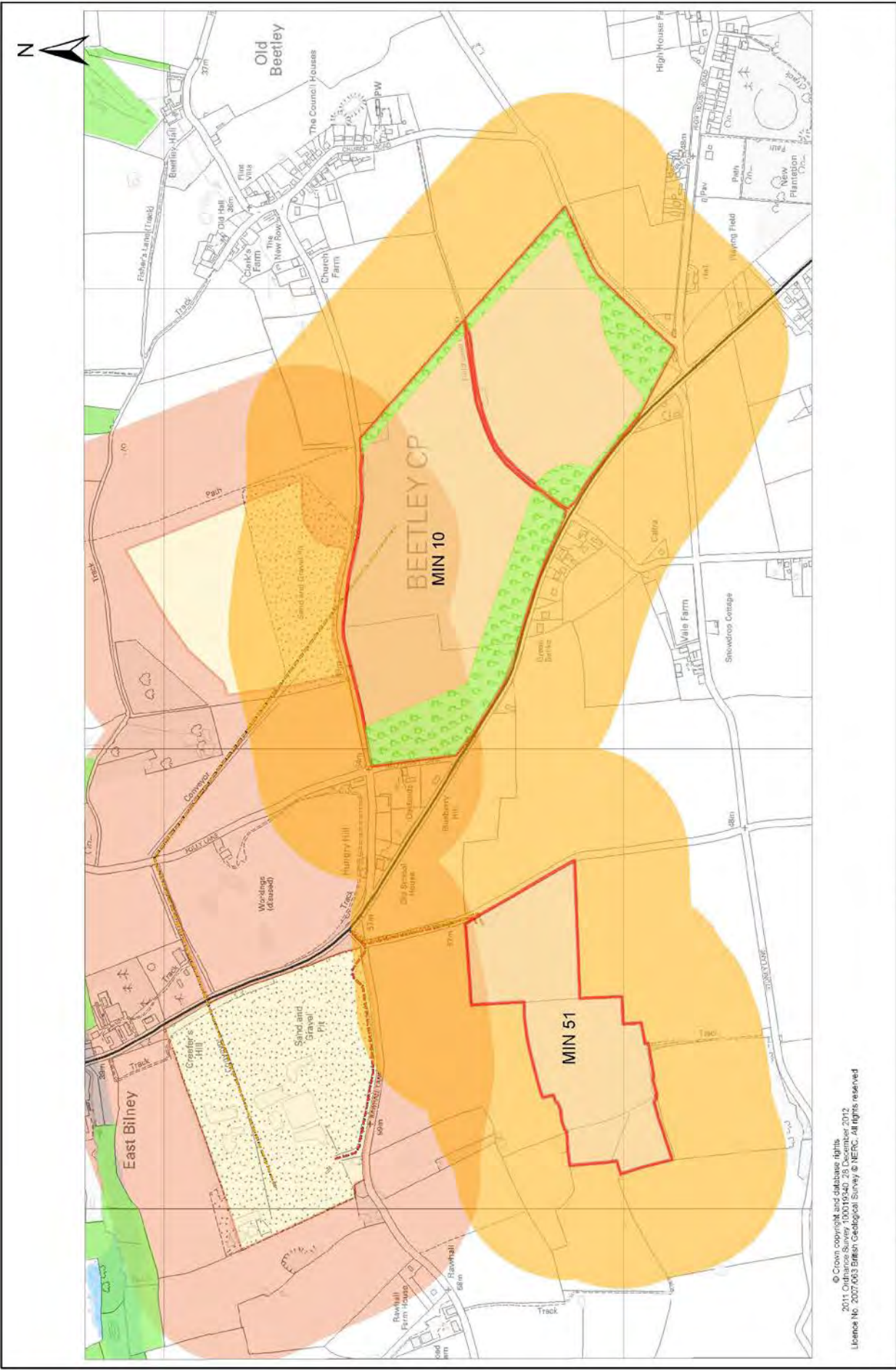
Environment Agency designations

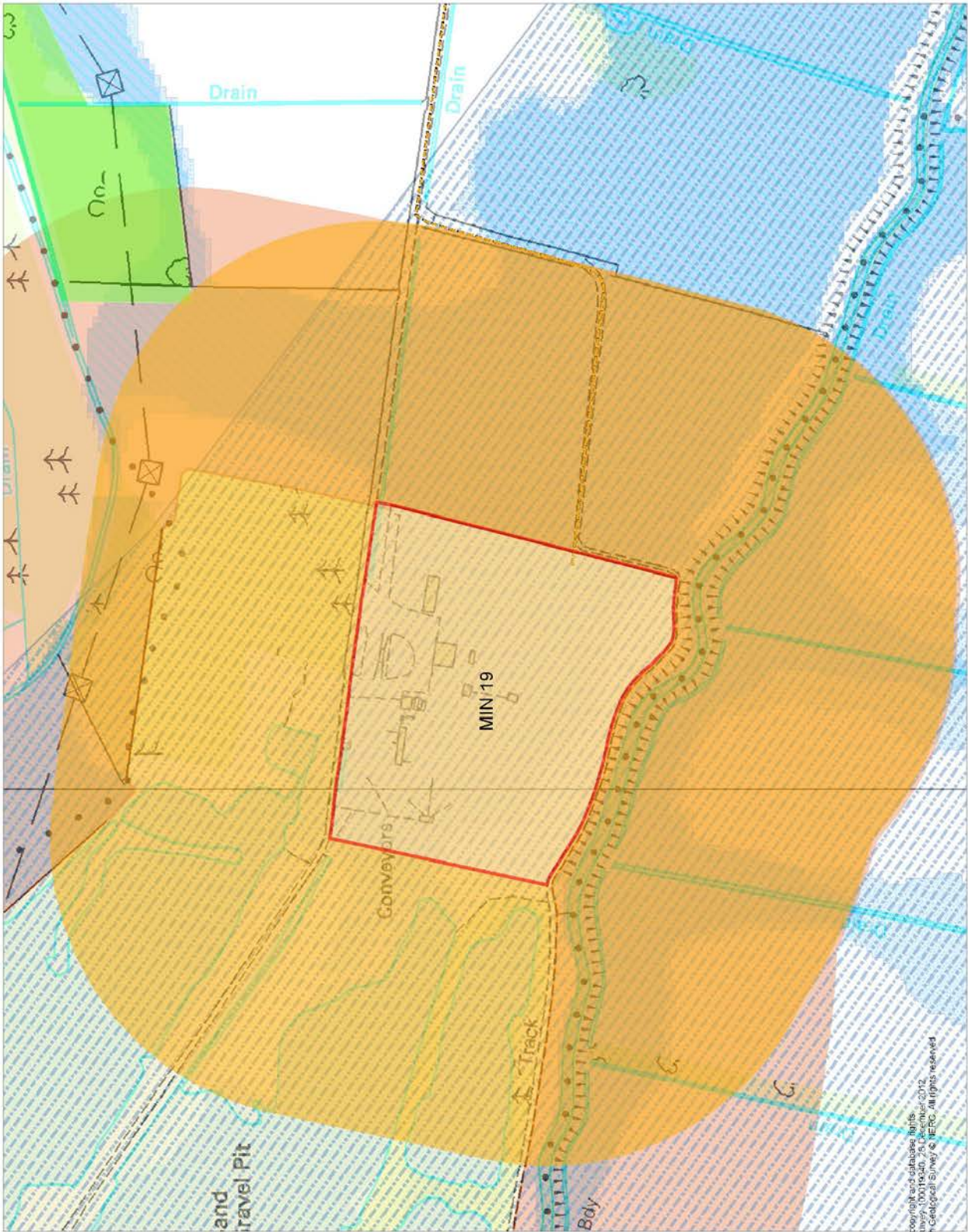
-  Groundwater Source Protection Zone 1
-  Flood zone 2 & 3
-  Flood zone 2



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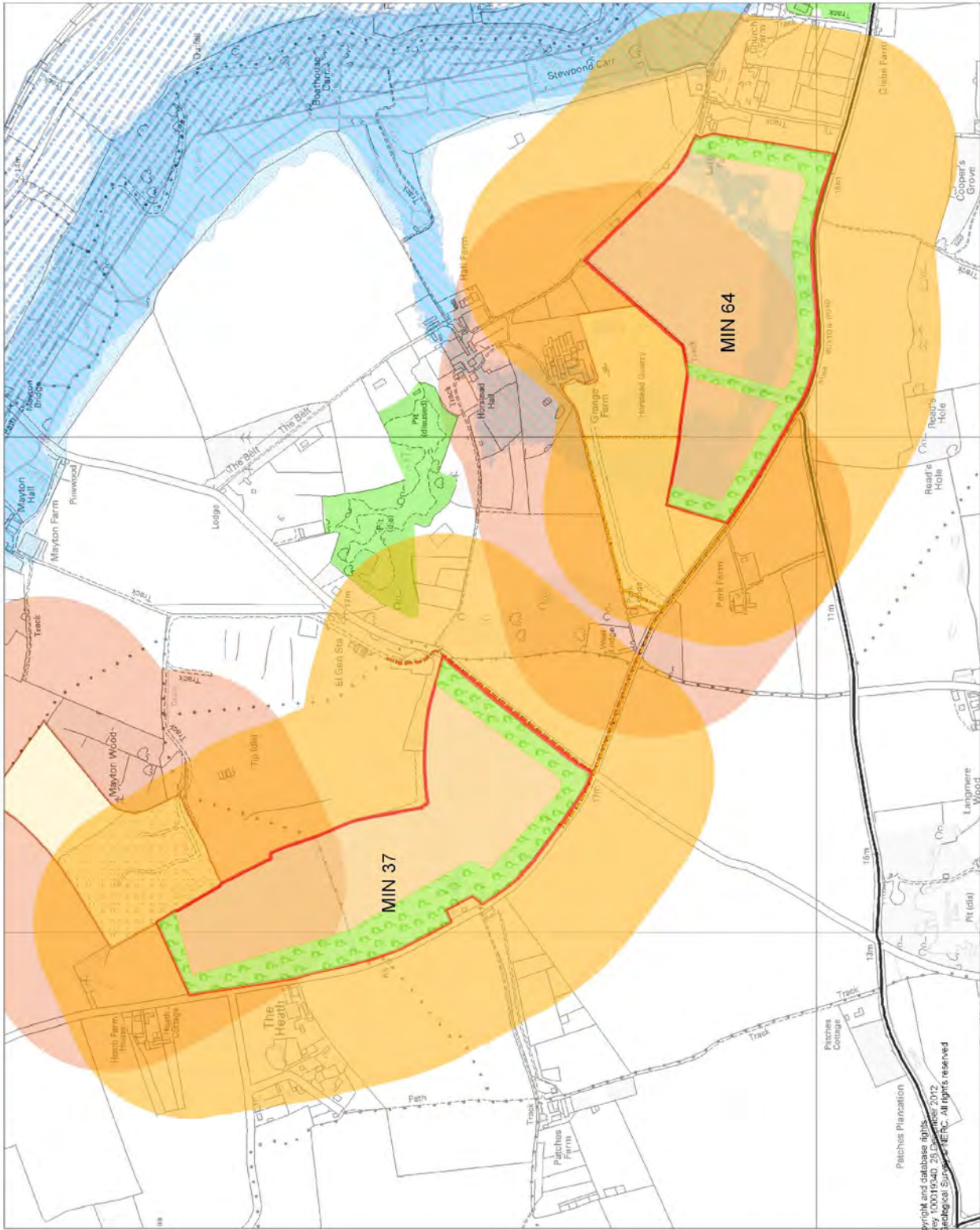
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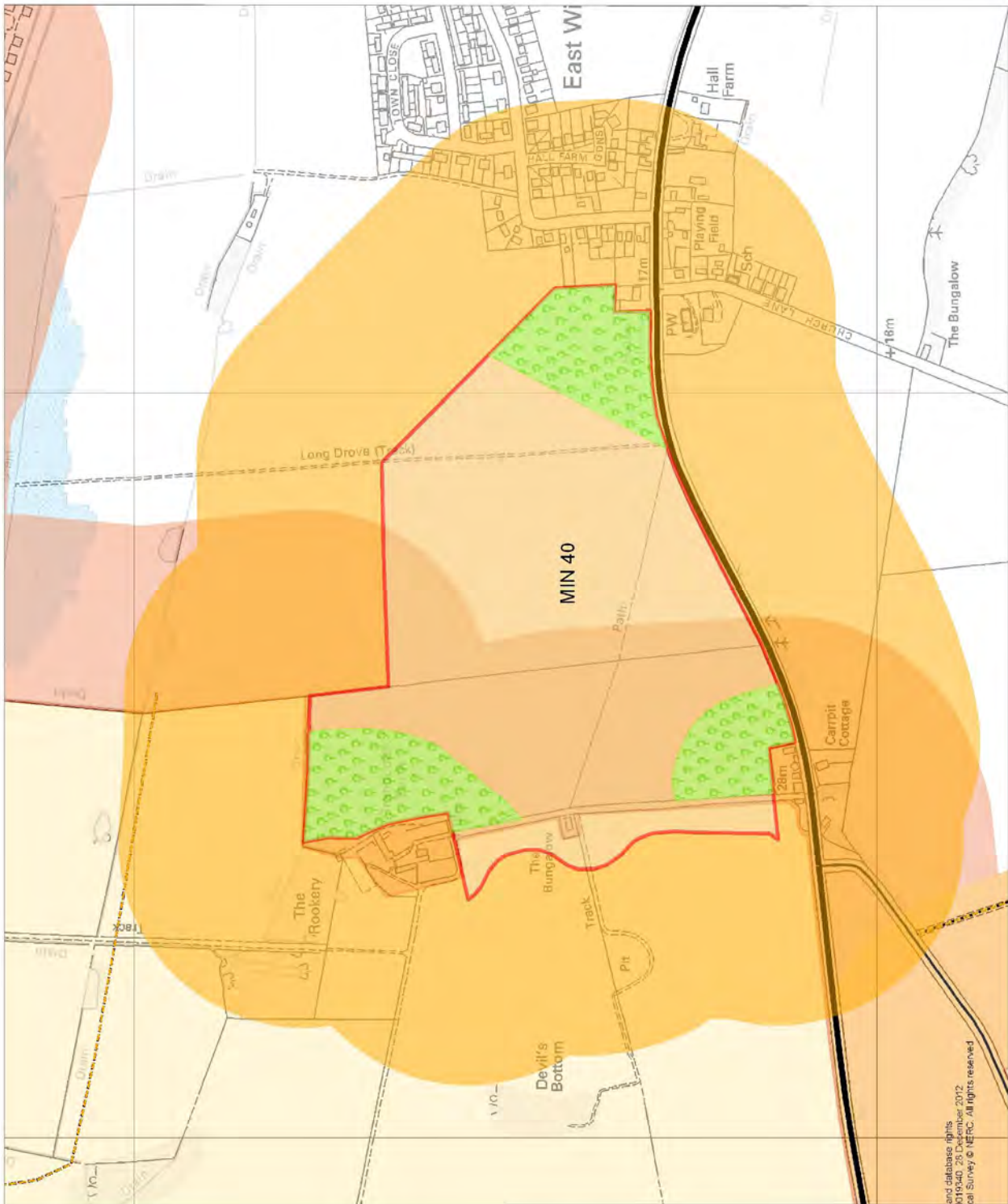
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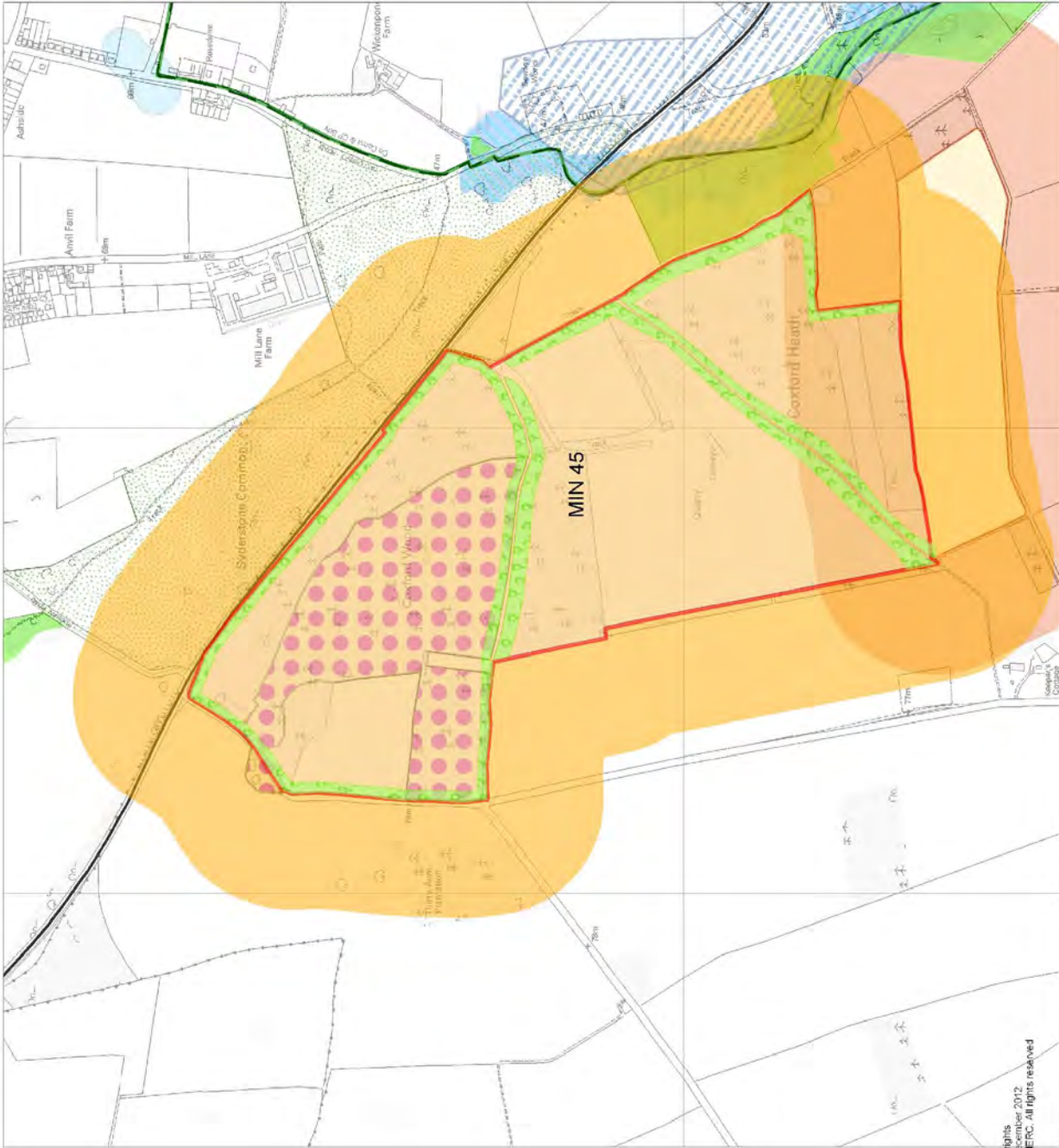
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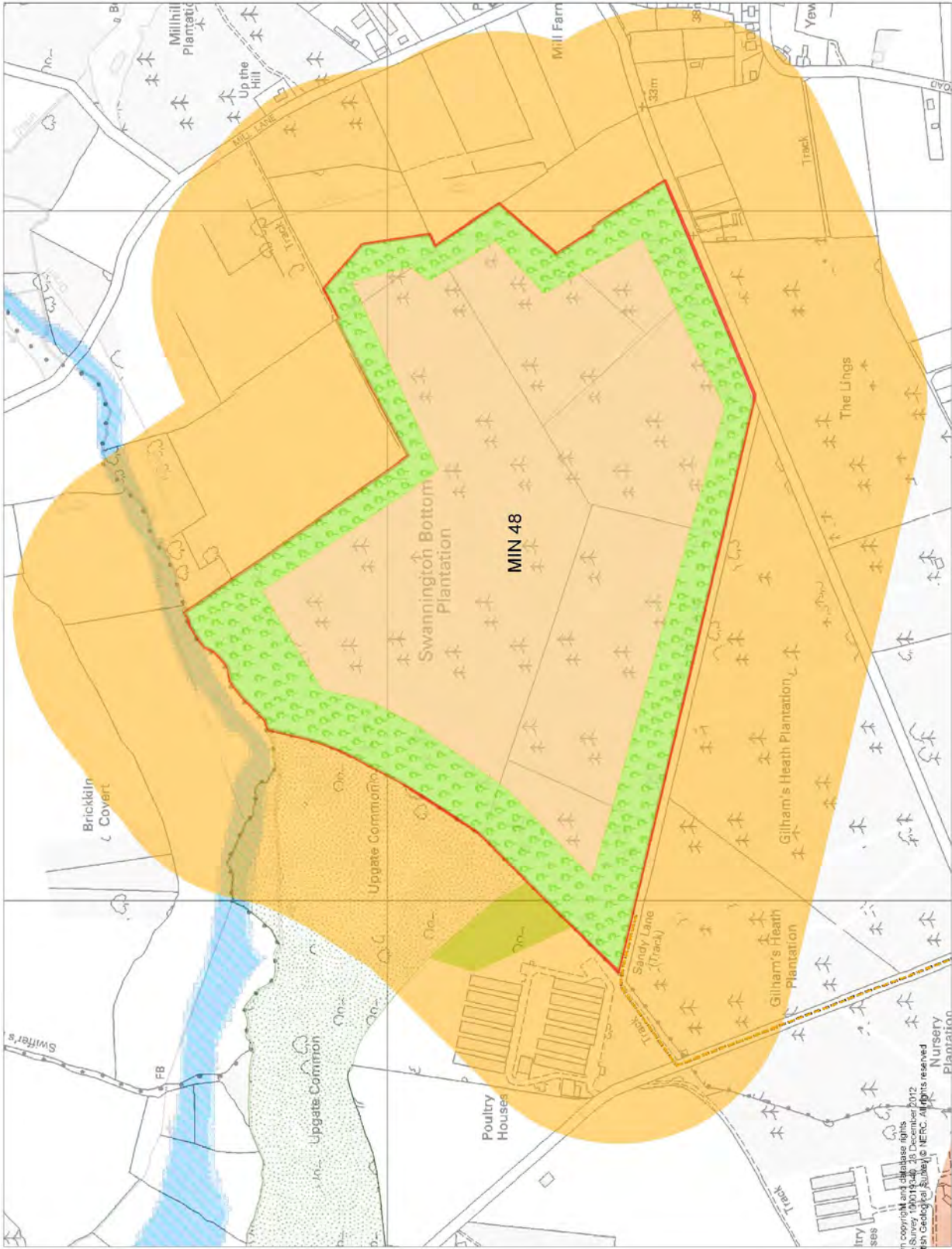
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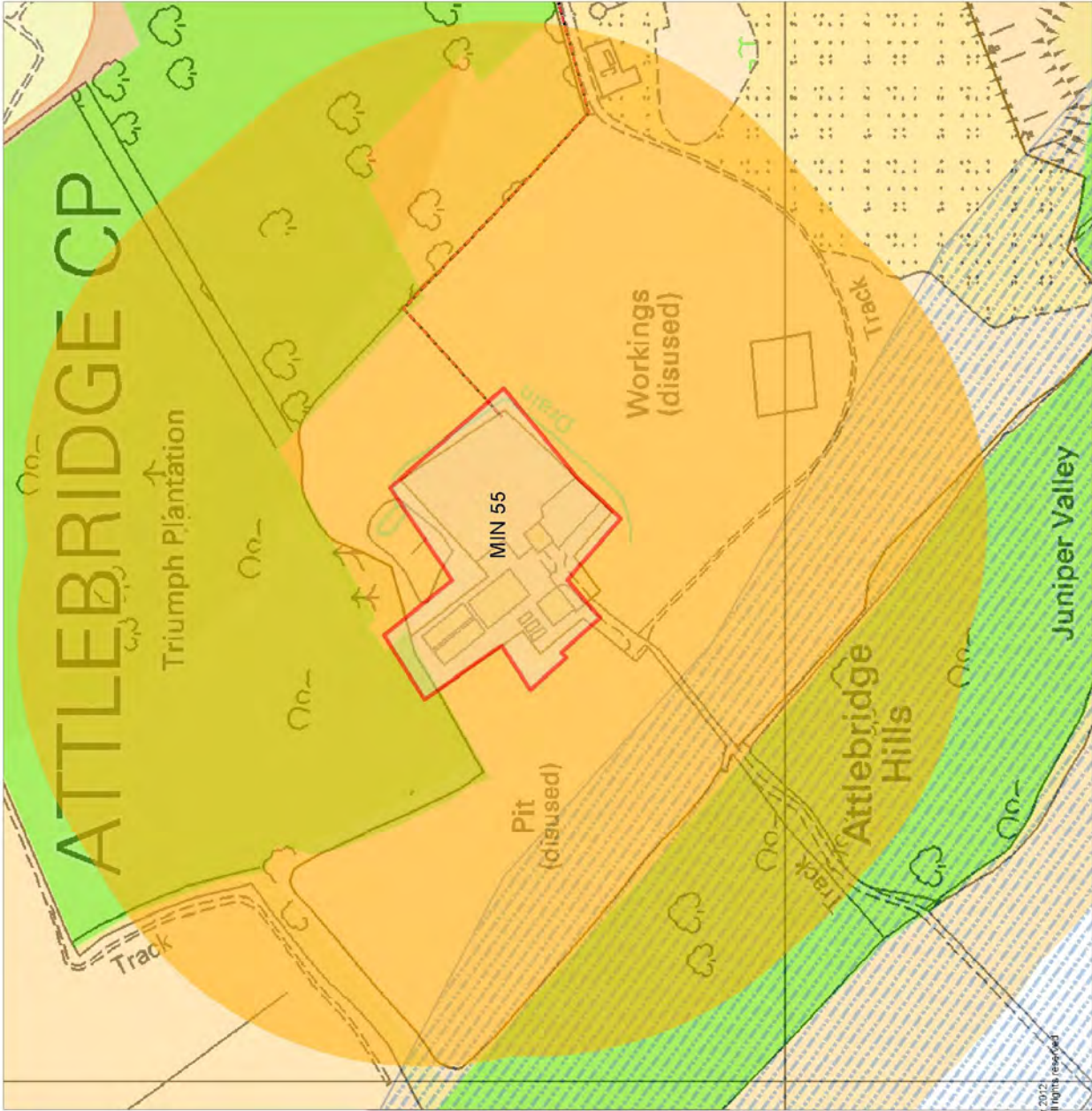


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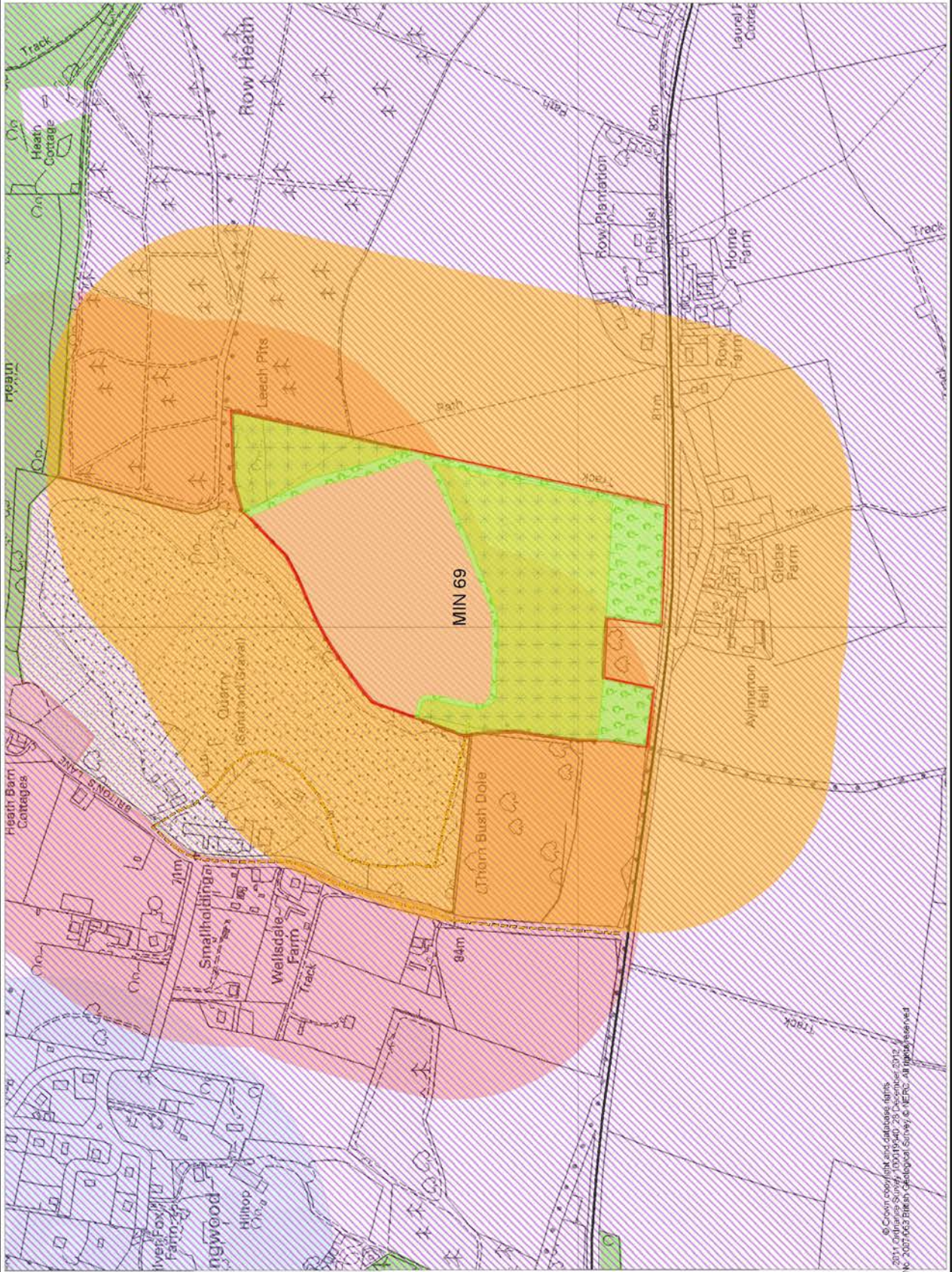
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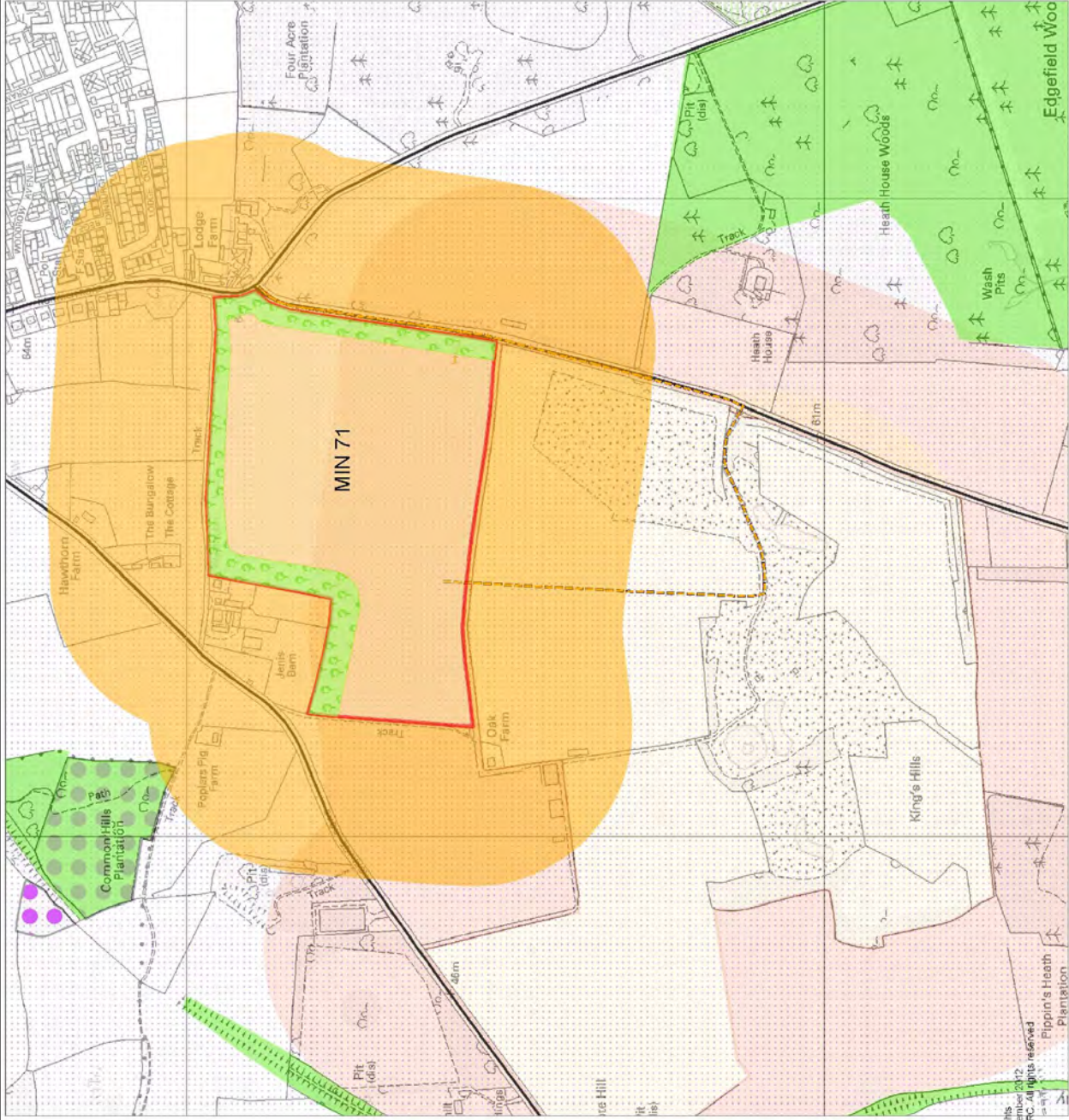
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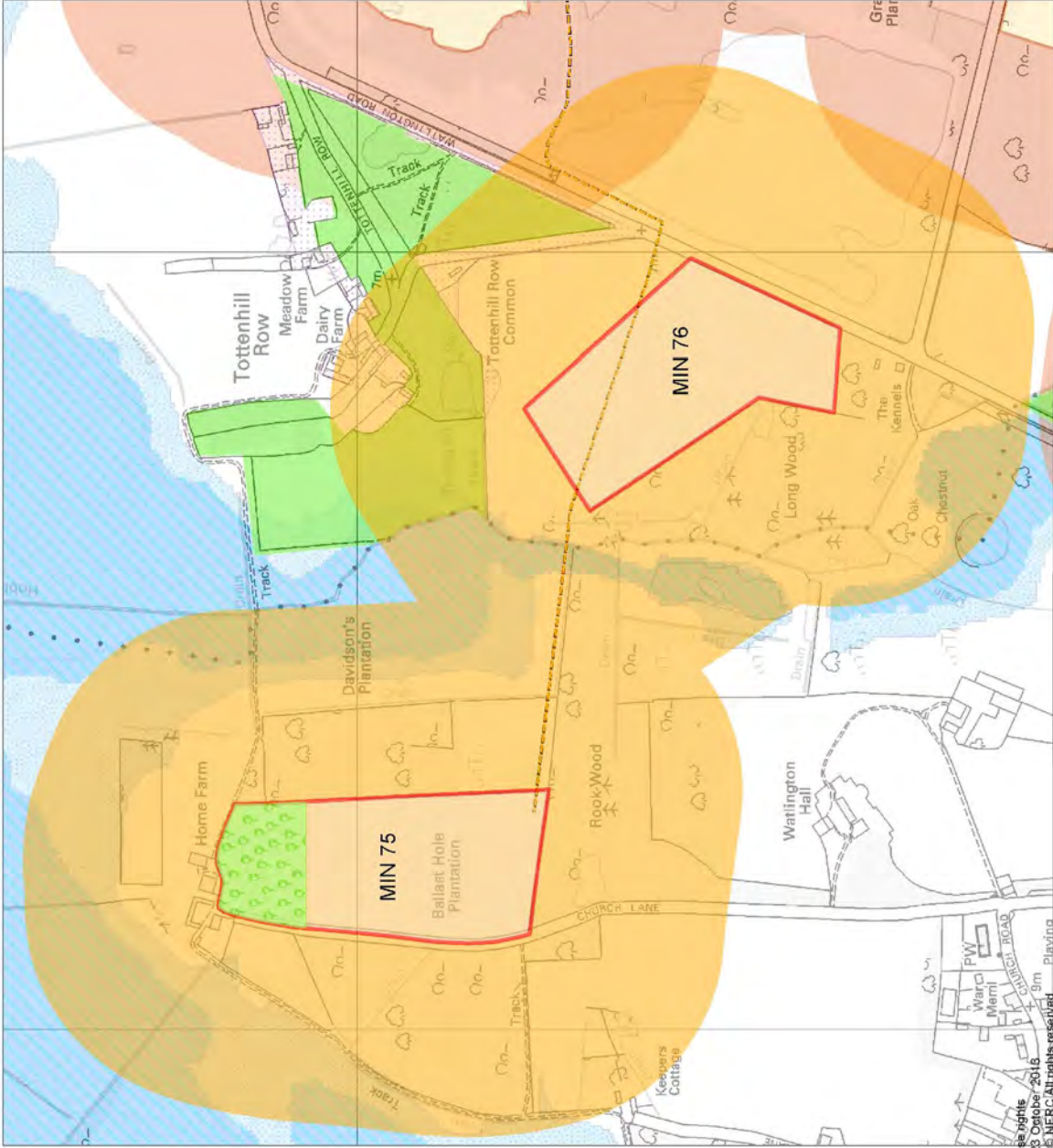
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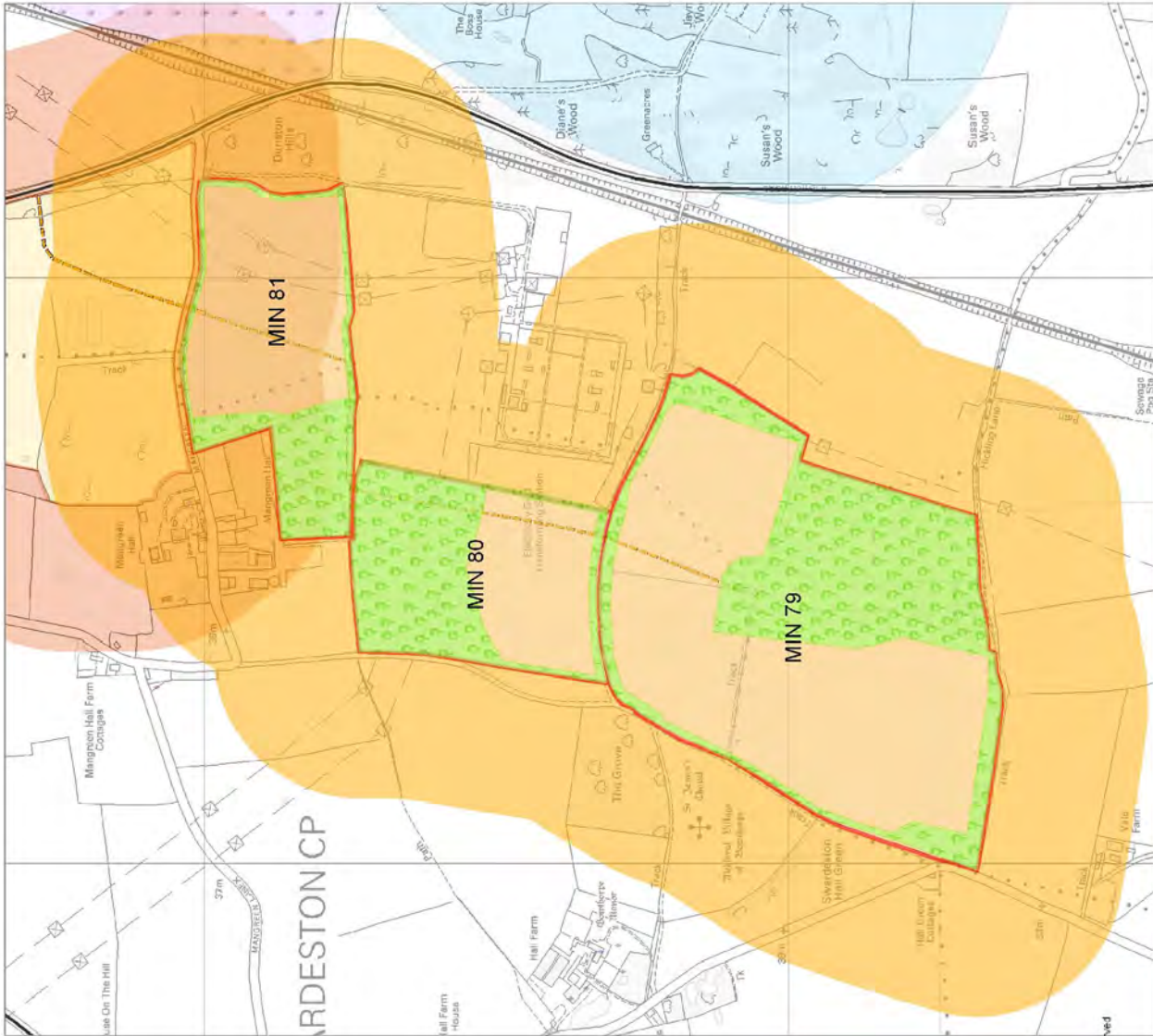
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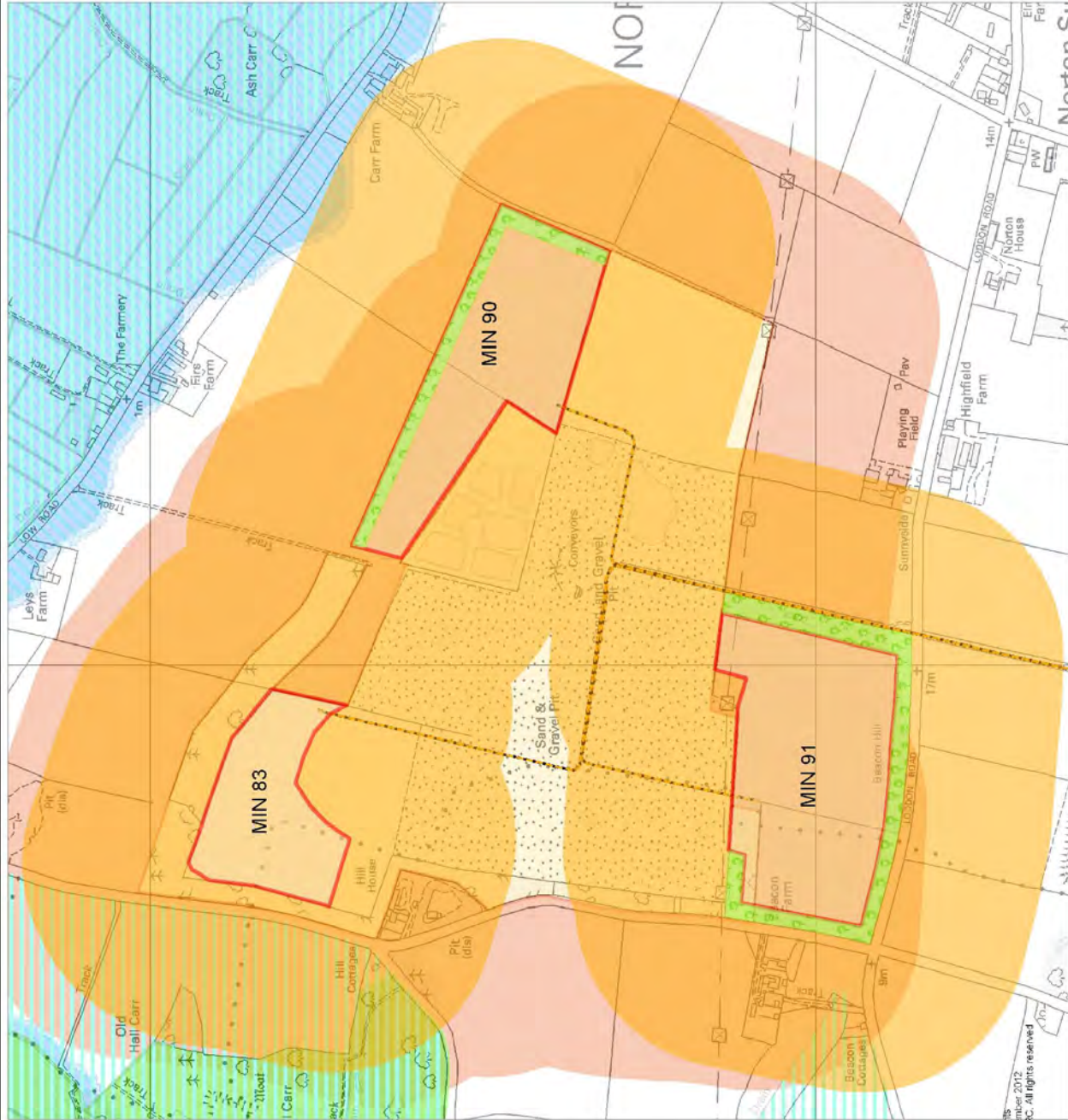




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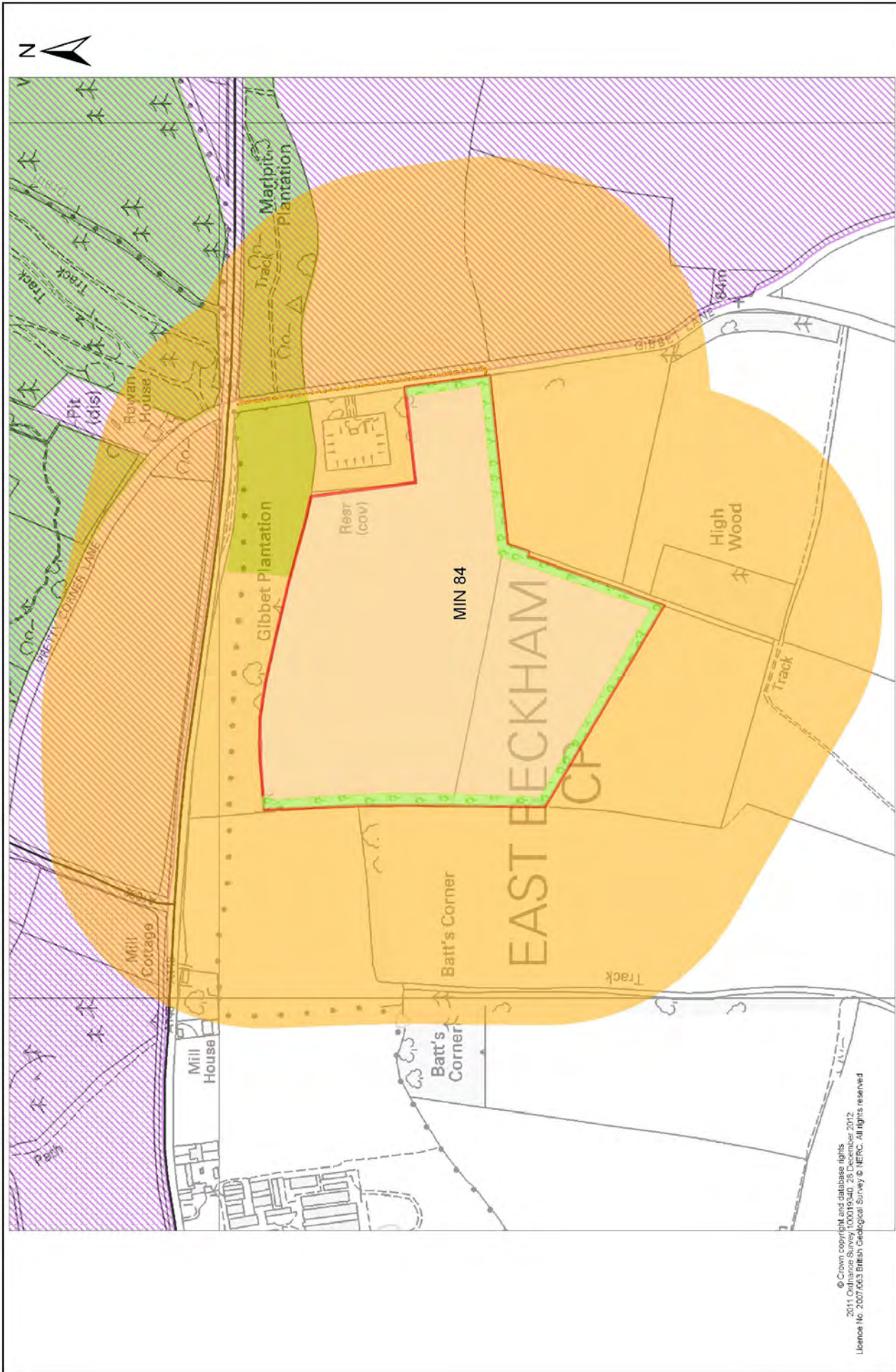






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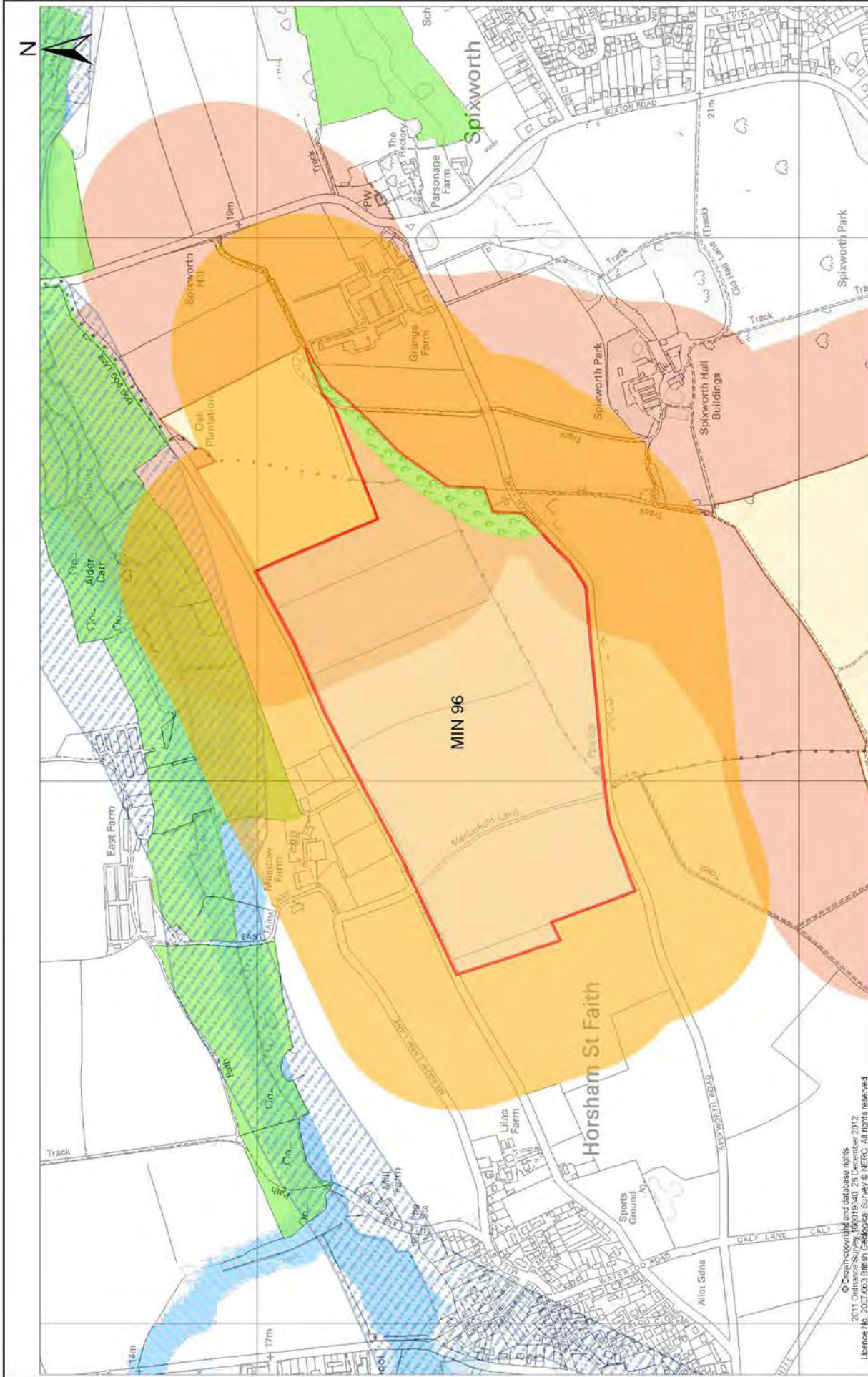


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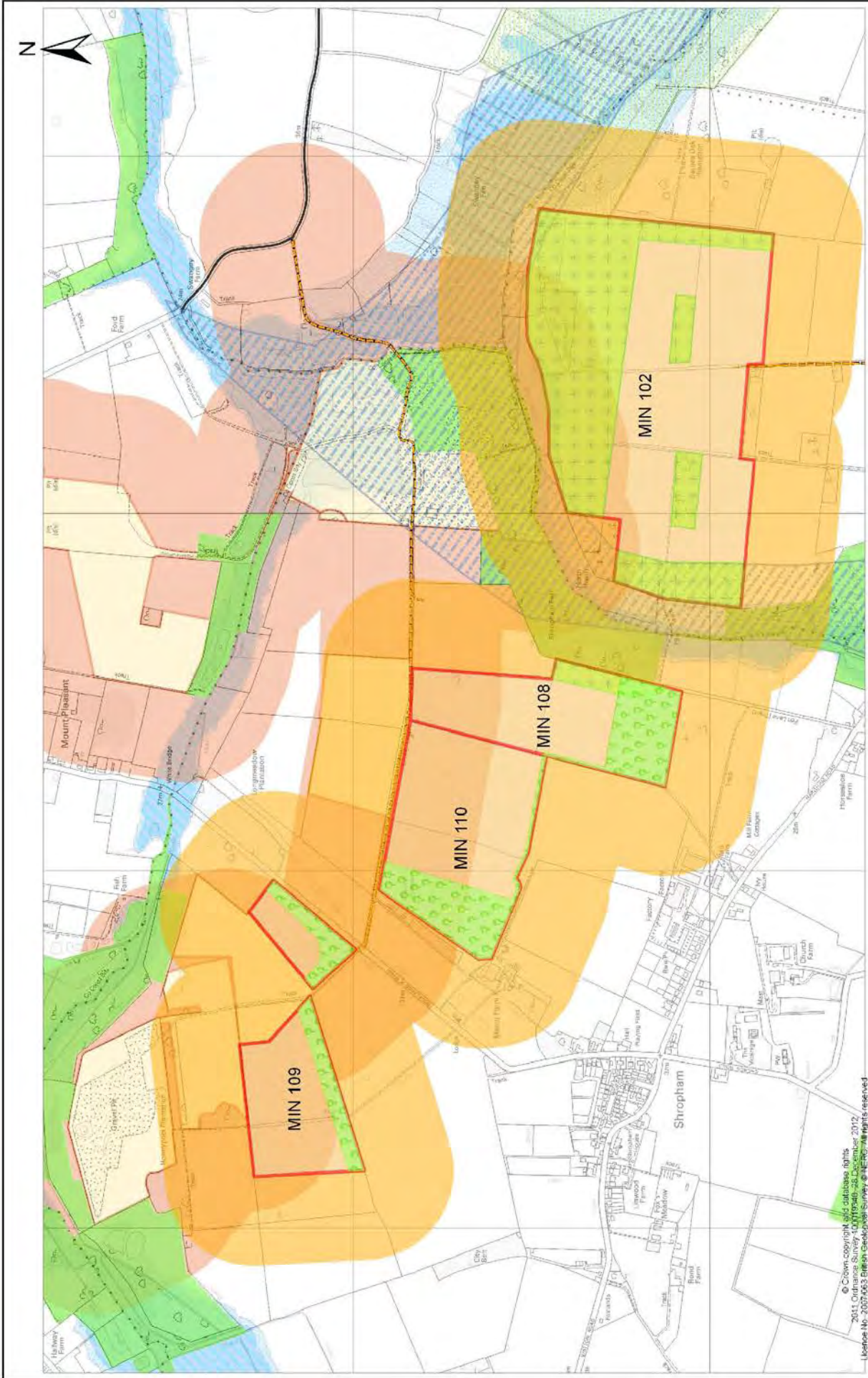
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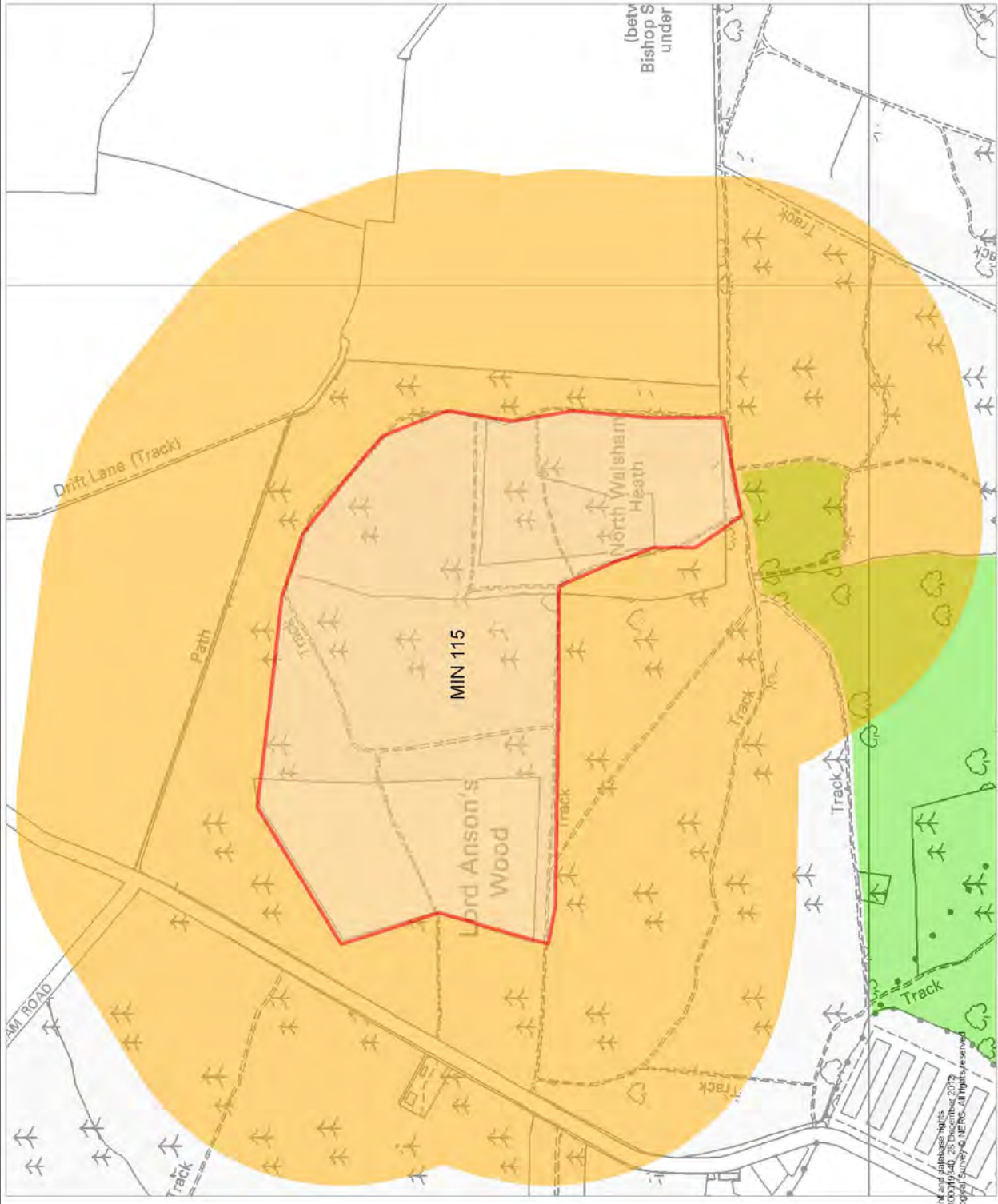


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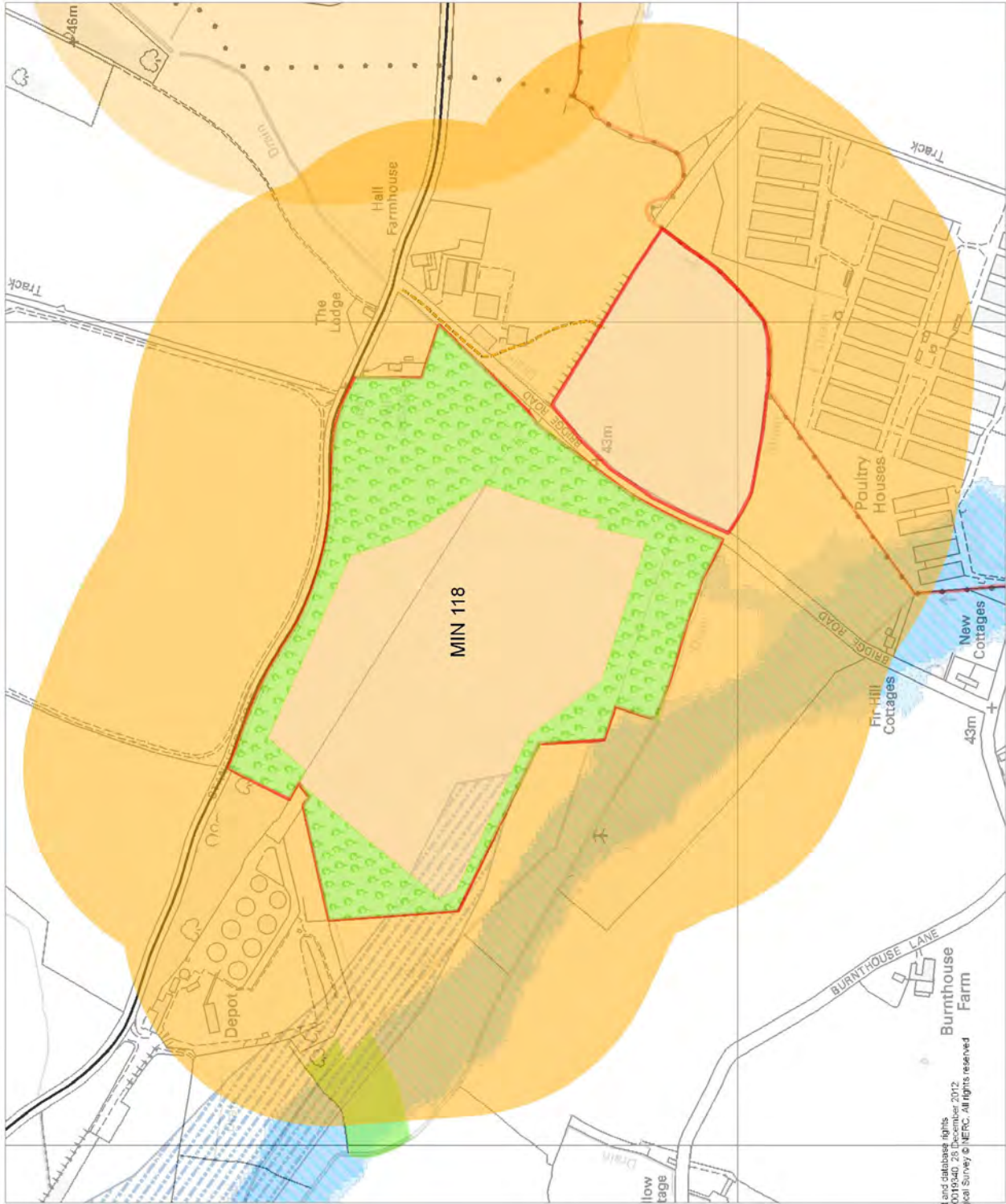
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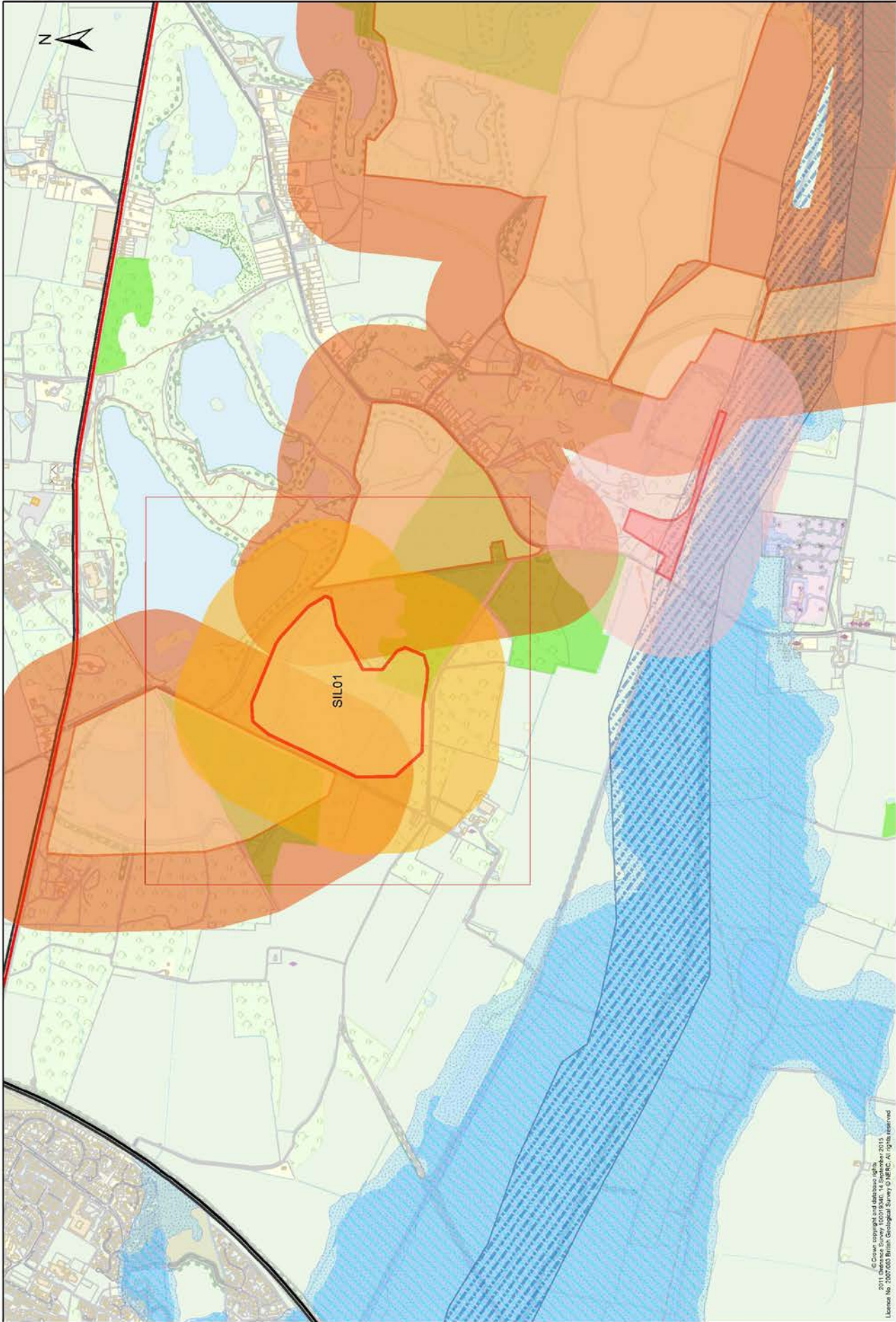
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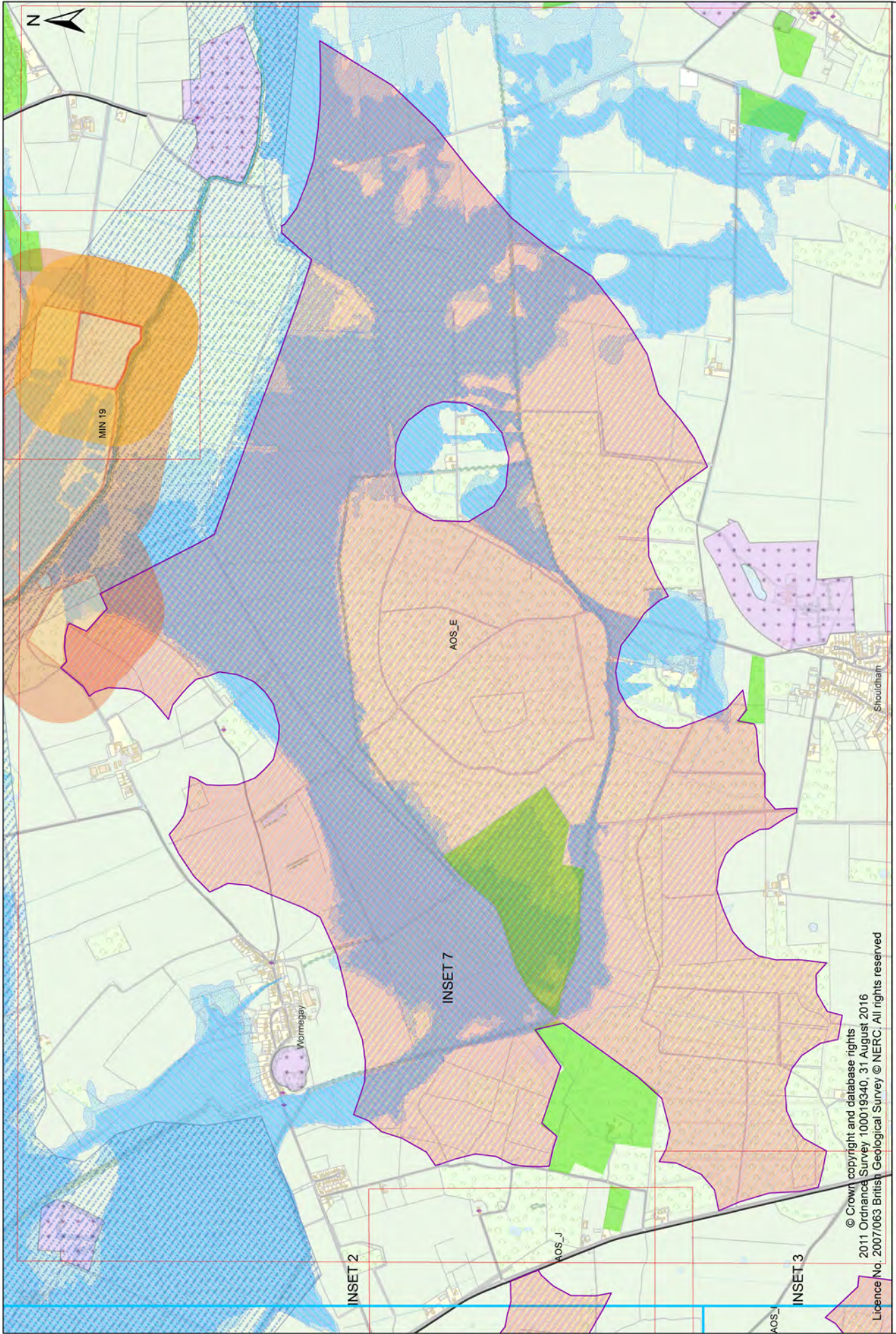


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Kilometres

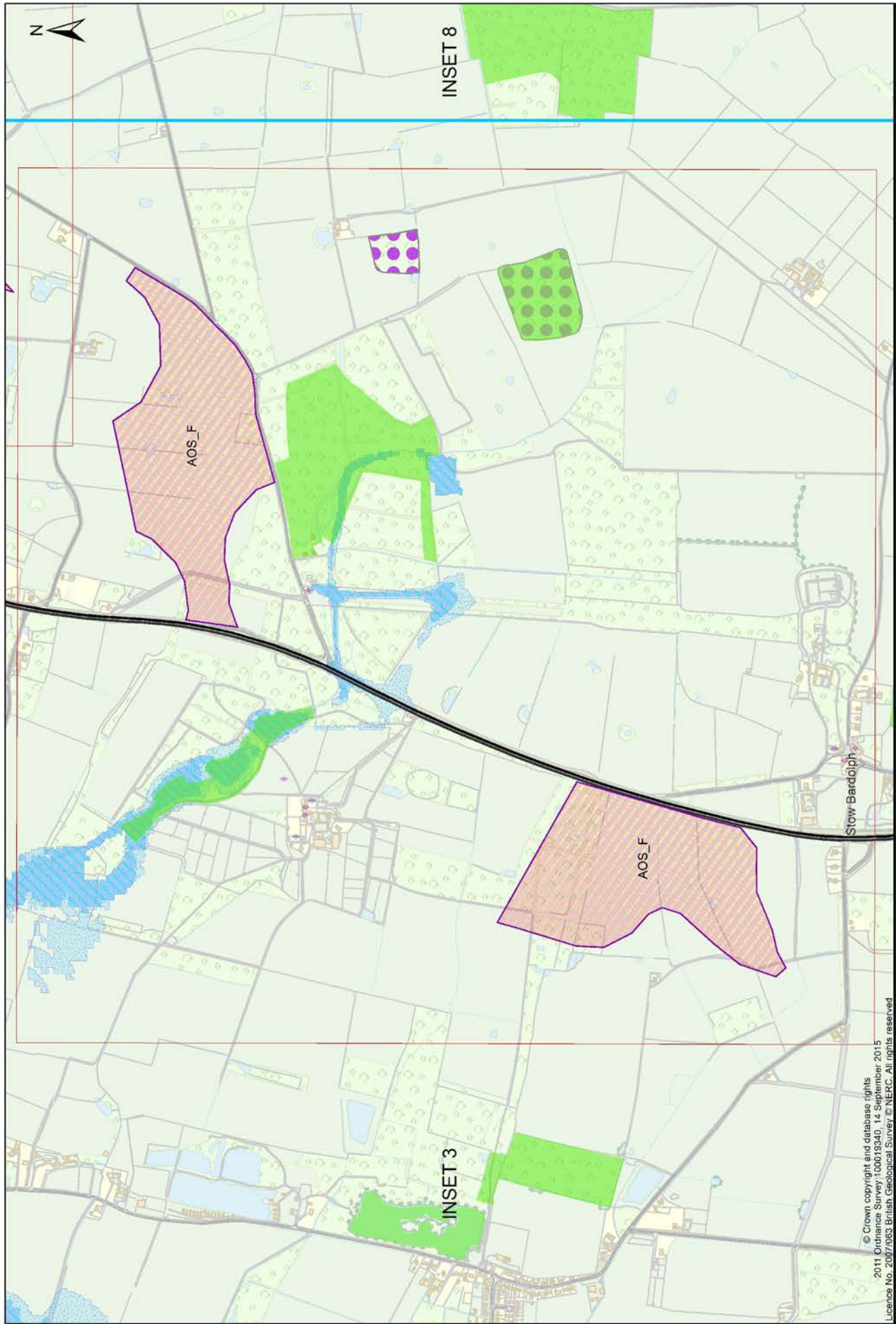
9 February 2016

Areas of Search for Silica Sand Inset Maps



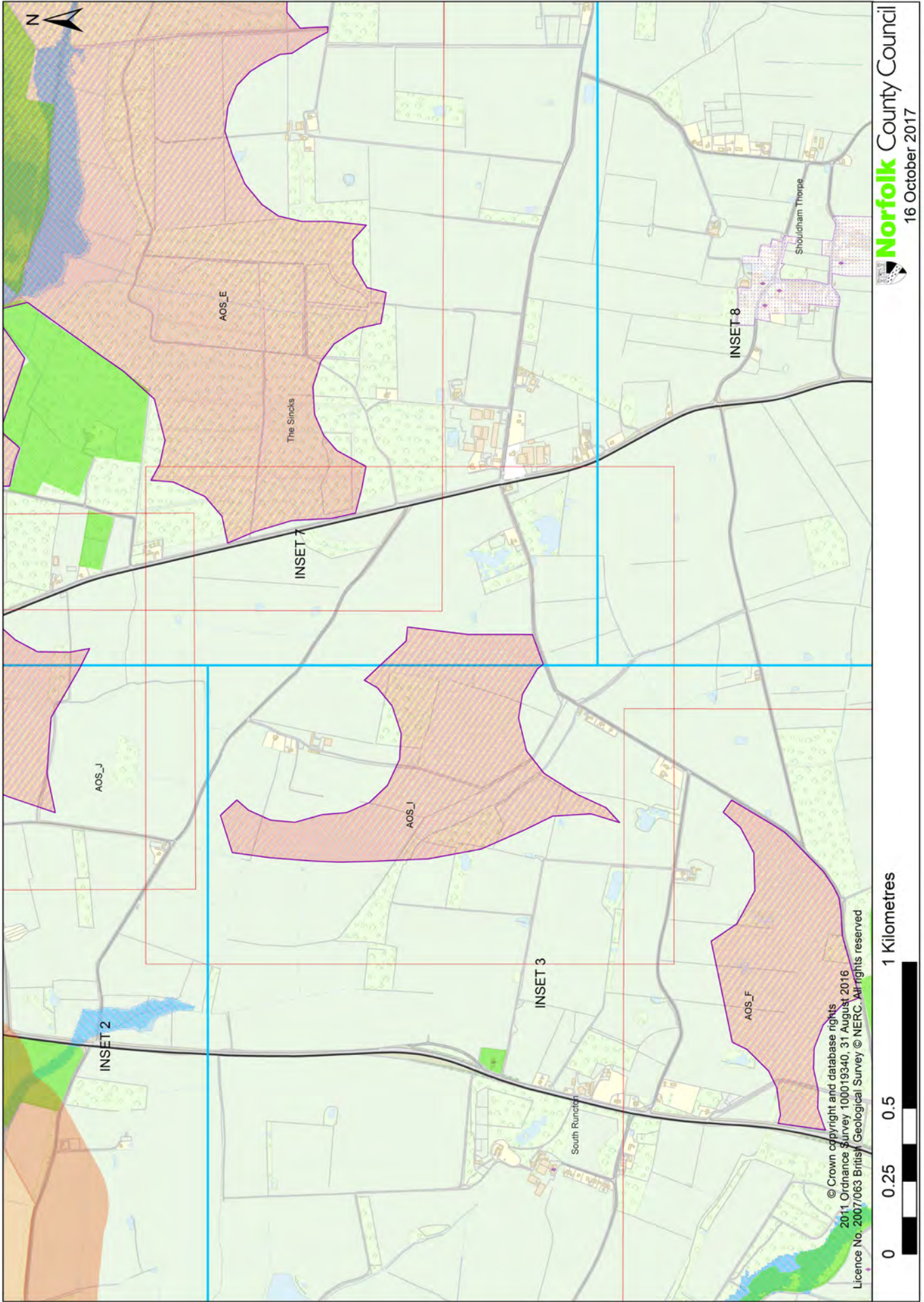
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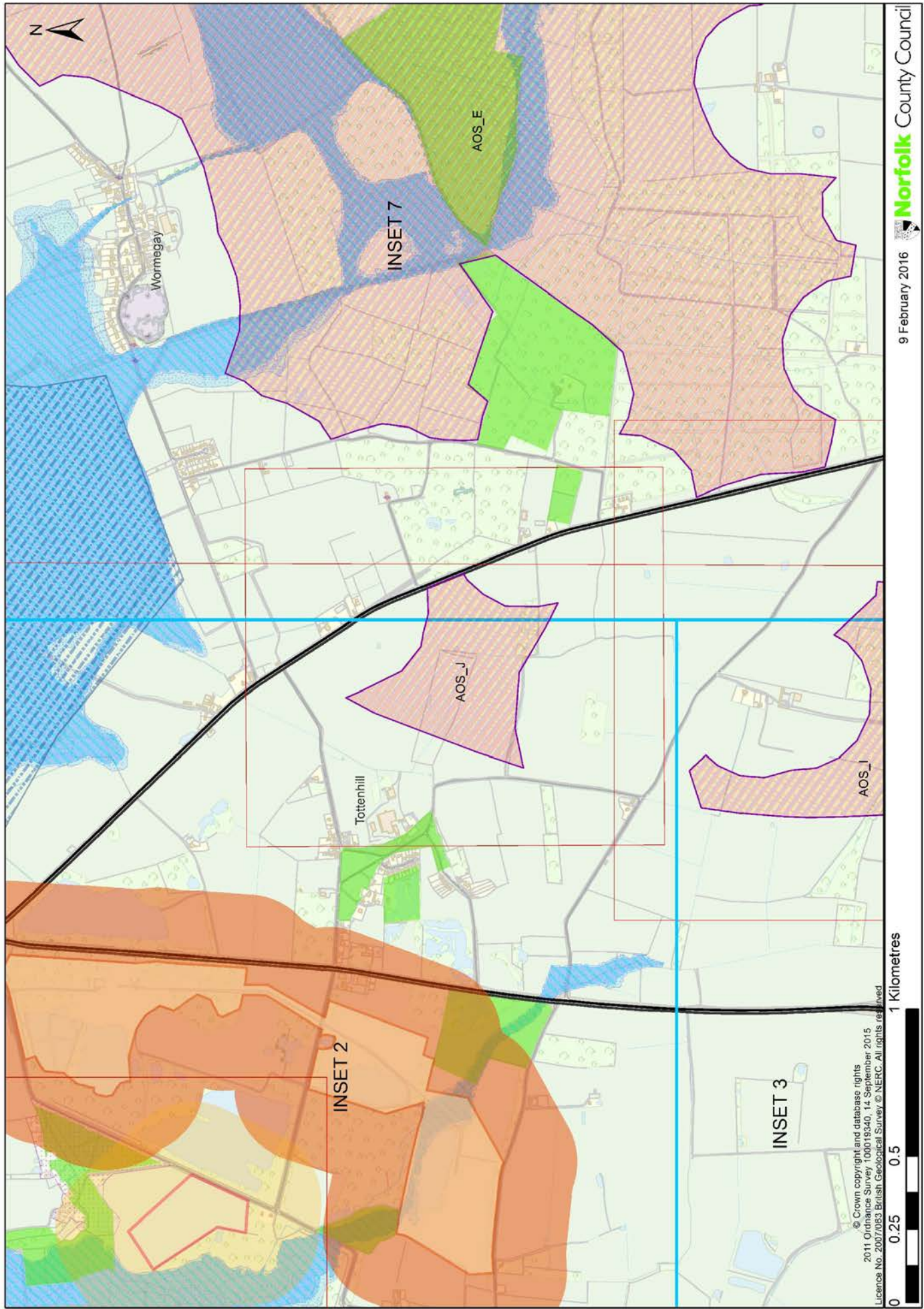




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1 Kilometres








Waste Site Specific Allocations Inset Site maps

Legend








Areas of Search and allocations

-  Areas of Search
-  Mineral site allocations
-  Consultation area for safeguarded mineral extraction - allocation
-  Waste site allocations
-  Indicative site screening
-  Indicative site buffers






Insets

-  allocation insets
-  AQMA insets
-  RIGS insets




Safeguarded existing Mineral and Waste sites

-  Safeguarded existing mineral extraction sites
-  Safeguarded existing waste management sites
-  Safeguarded existing mineral infrastructure
-  Safeguarded existing key wastewater treatment works
-  Consultation area for safeguarded waste management sites-existing
-  Consultation area for safeguarded mineral infrastructure-existing
-  Consultation area for safeguarded mineral extraction sites-existing
-  Consultation area for safeguarded key WWTW-existing
-  Air Quality Management Area (AQMA)





Road Network

-  Trunk Roads
-  A Roads
-  Mineral access route
-  Waste access route
-  Designated Lorry Routes in Norfolk




Safeguarded mineral resources

-  Mineral Safeguarding Area (Silica Sand)
-  Mineral Safeguarding Area (Sand and Gravel)
-  Mineral Safeguarding Area (Carstone)











Landscape designations

-  North Norfolk Heritage Coast
-  Core River Valleys
-  Area of Outstanding Natural Beauty (AONB)
-  Broads Authority Executive Area





Administrative boundaries

-  Norwich Policy Area
-  Districts
-  Norfolk Parishes




Environmental designations

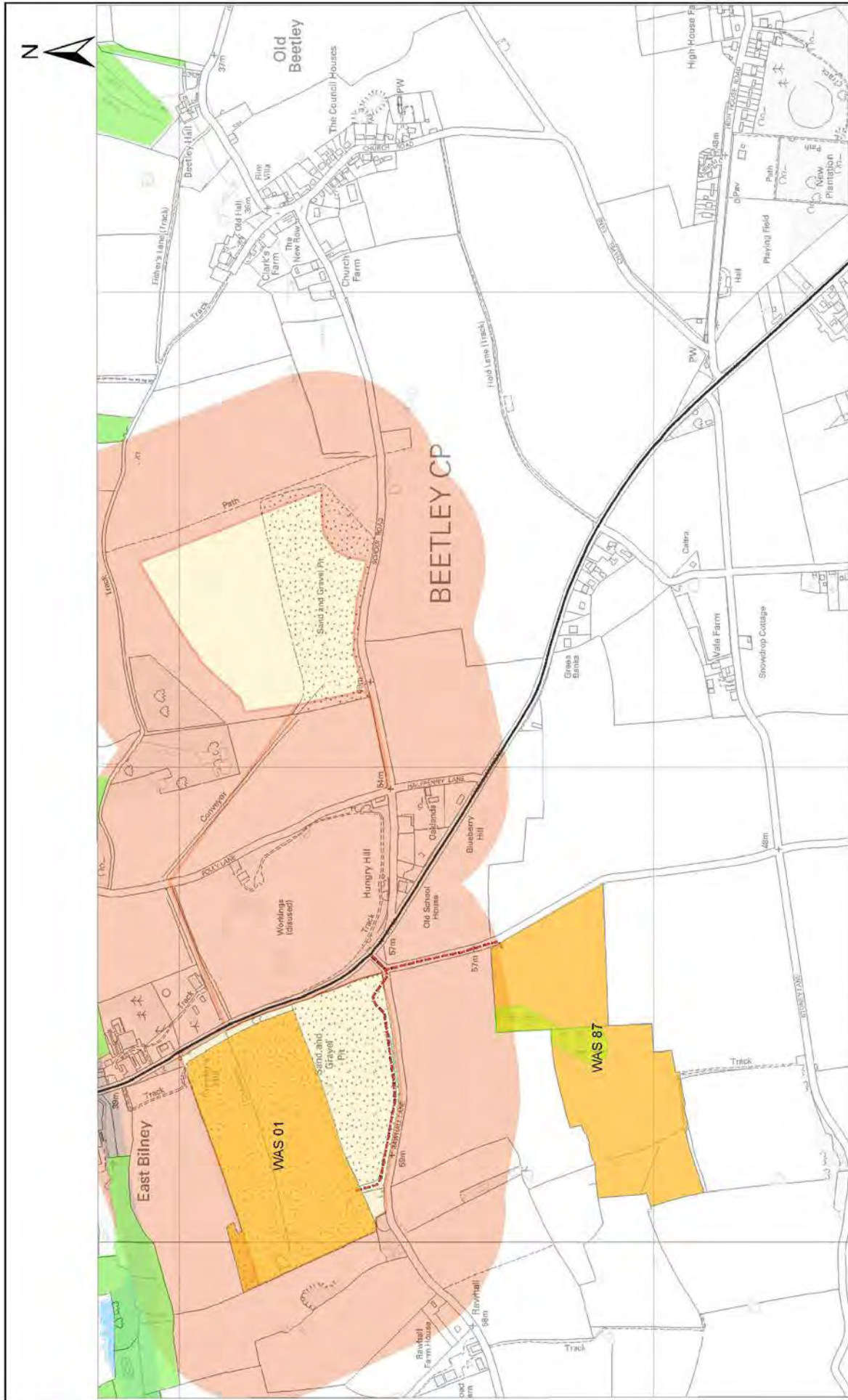
-  Local Nature Reserves
-  National Nature Reserves
-  Special Protection Area (SPA)
-  Special Area of Conservation (SAC)
-  Site of Special Scientific Interest (SSSI)
-  Ramsar sites
-  County Wildlife Sites
-  Ancient Woodland
-  Regionally Important Geological Sites (RIGS)
-  Mitigation zone for stone curlews
-  Protection zone for stone curlews

Heritage designations

-  Registered Historic Parks and Gardens
-  Scheduled Monuments
-  Listed Buildings
-  Conservation Areas

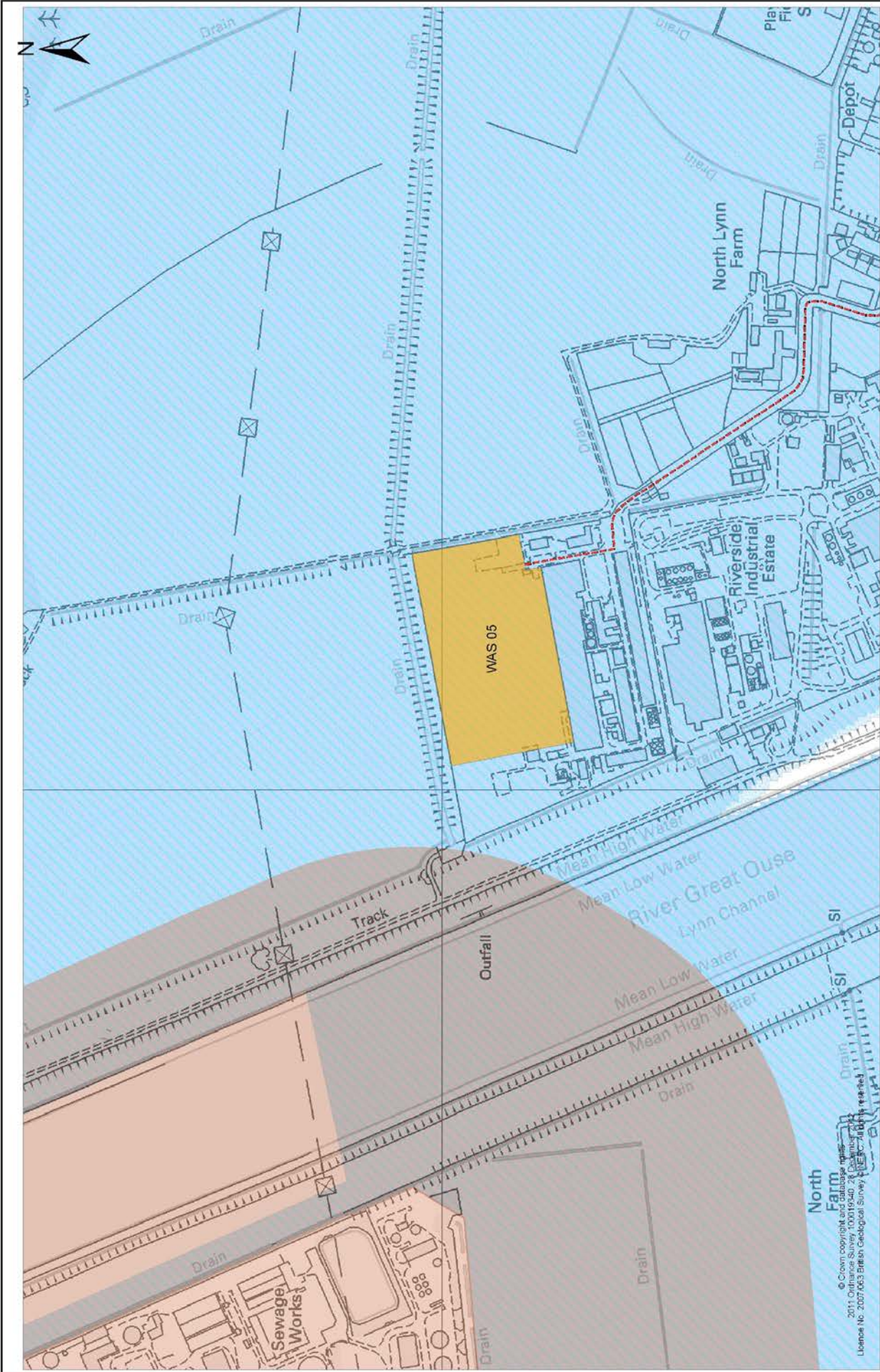
Environment Agency designations

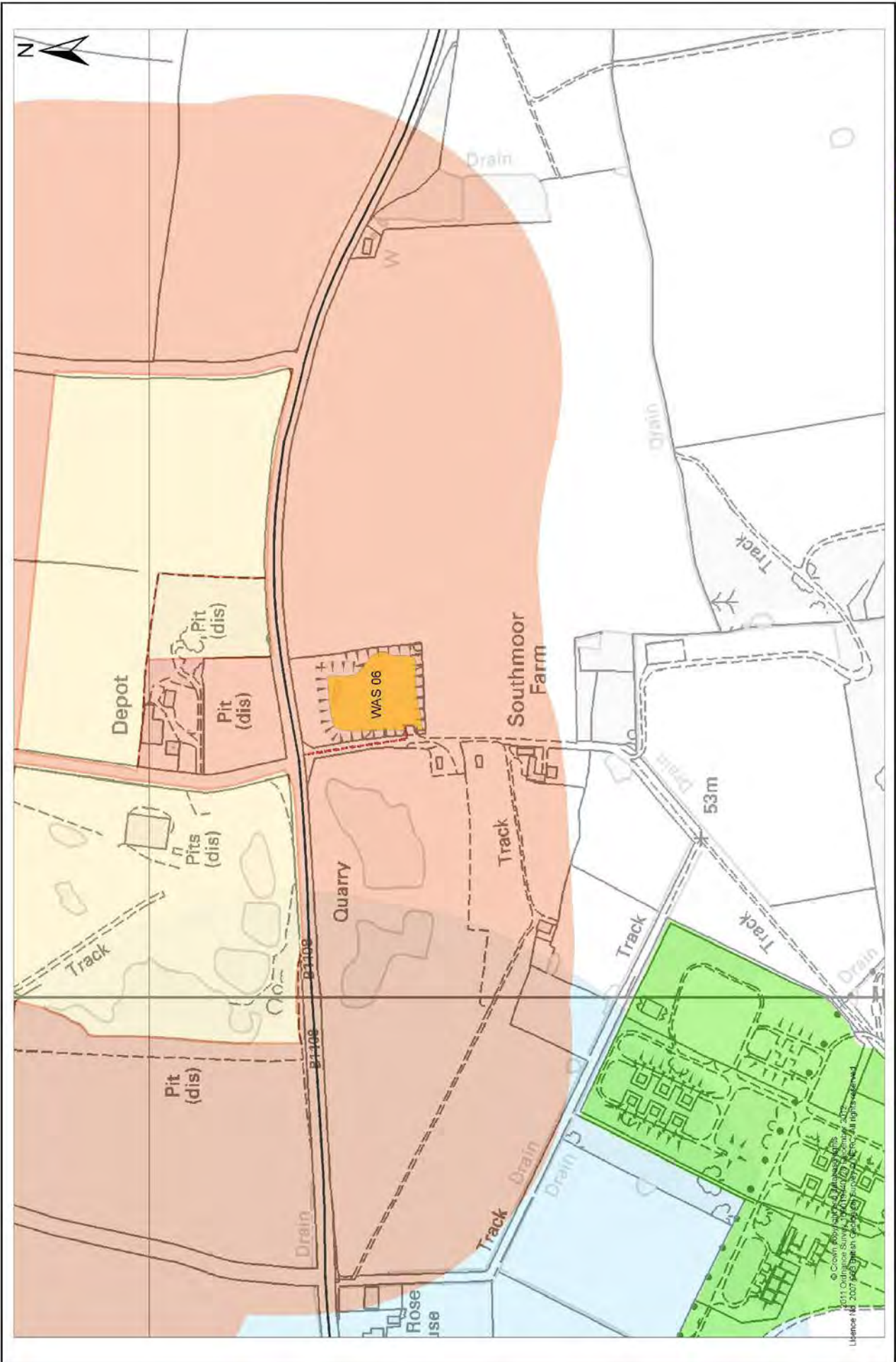
-  Groundwater Source Protection Zone 1
-  Flood zone 2 & 3
-  Flood zone 2

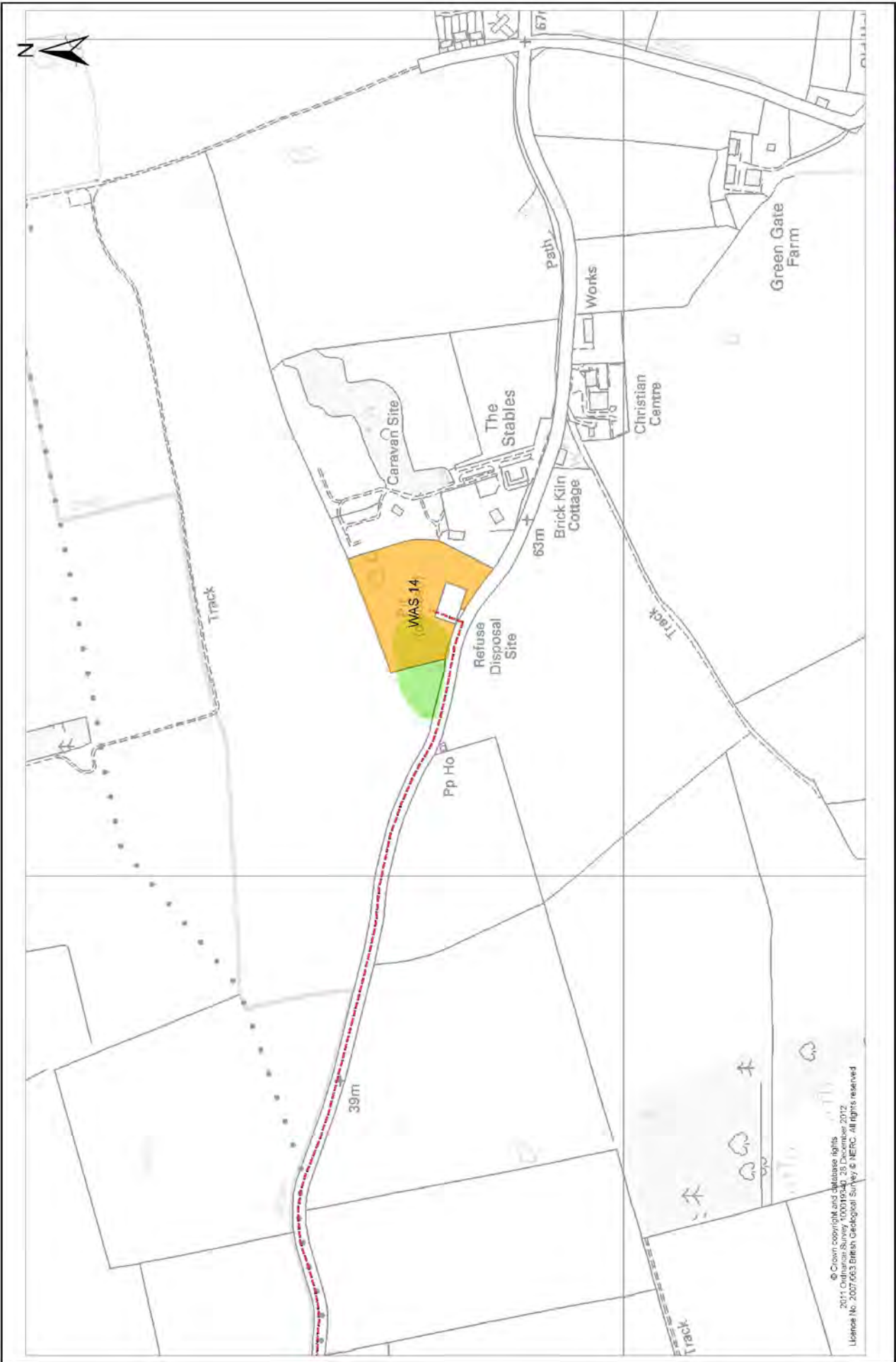


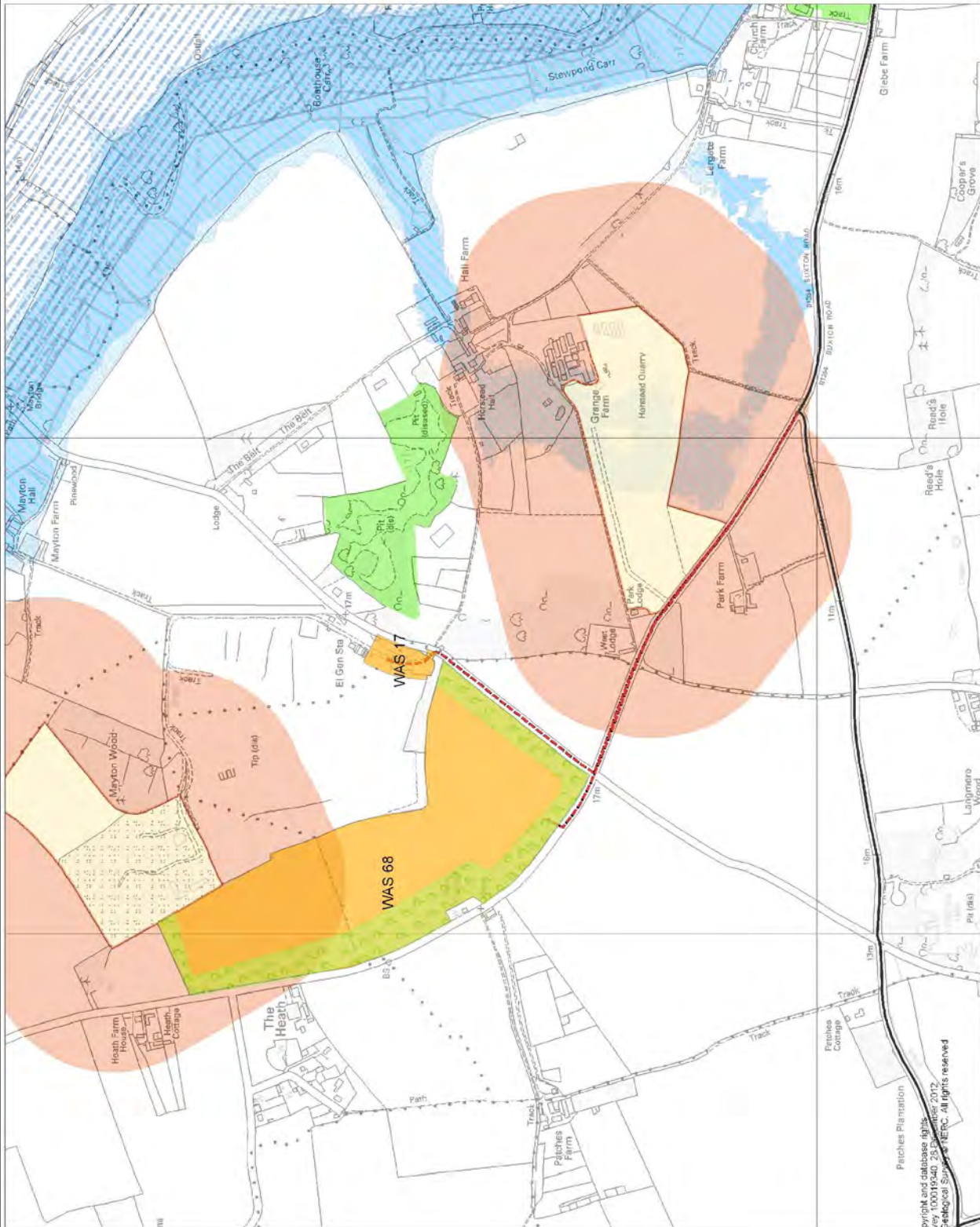
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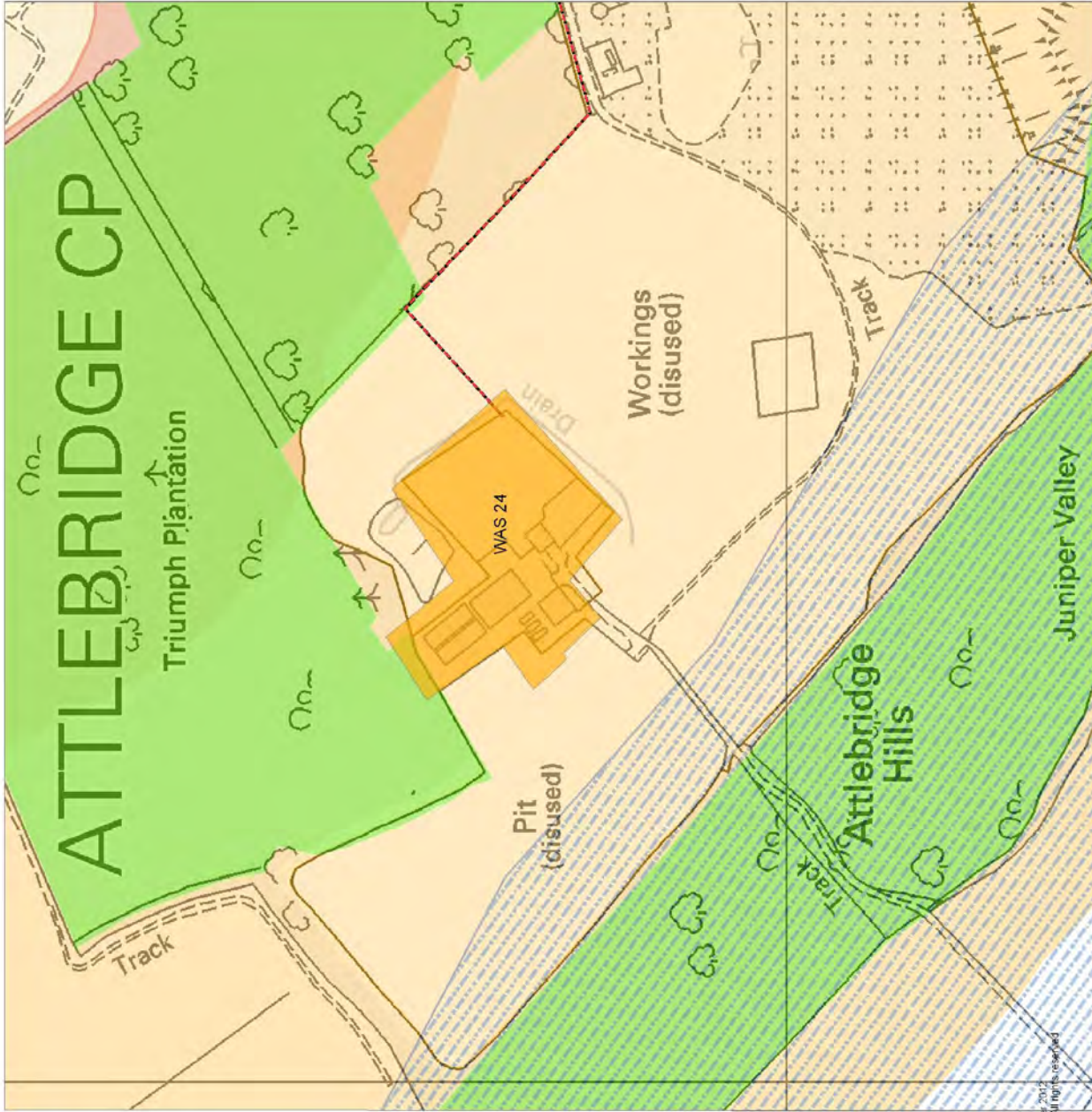
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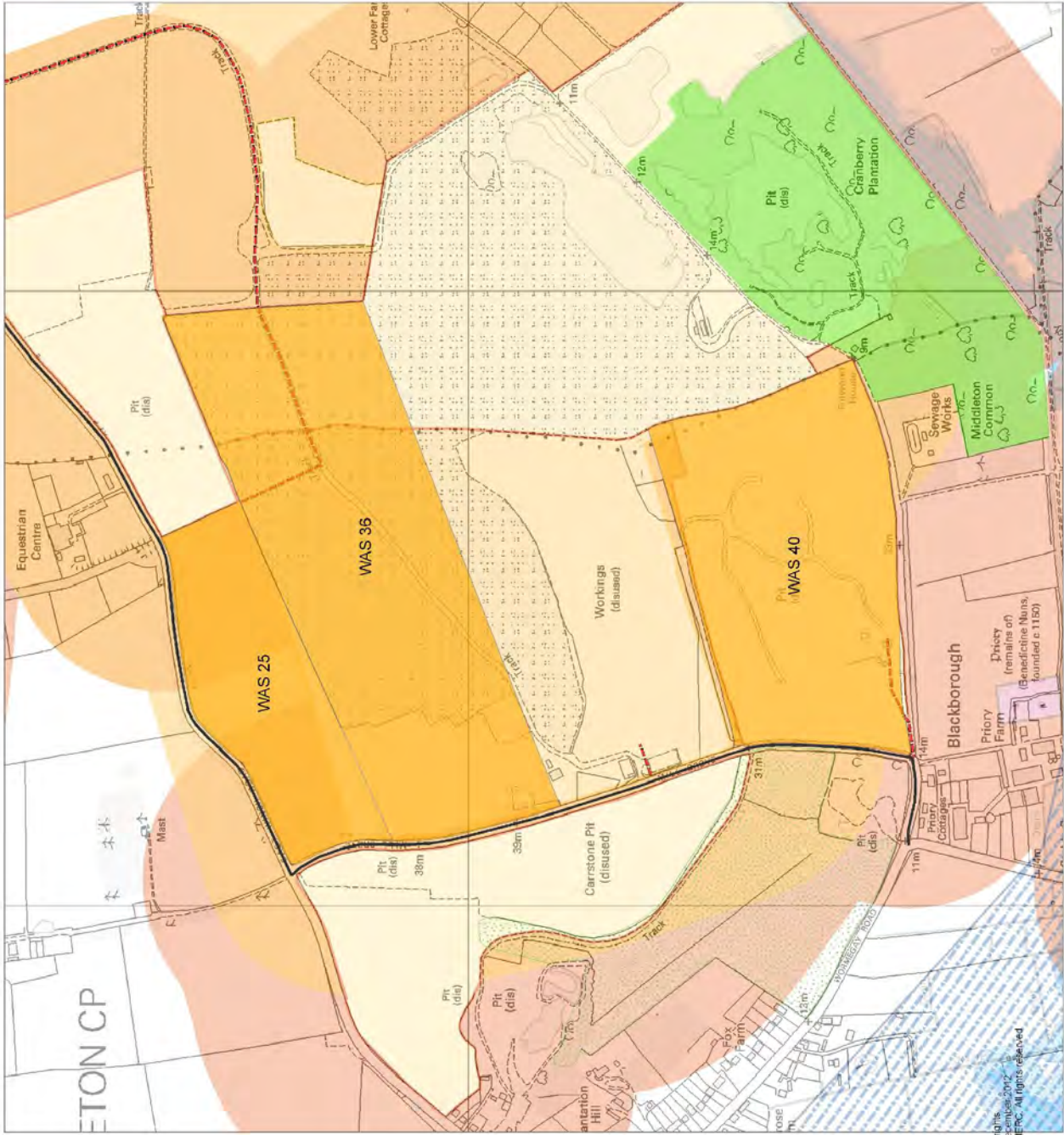
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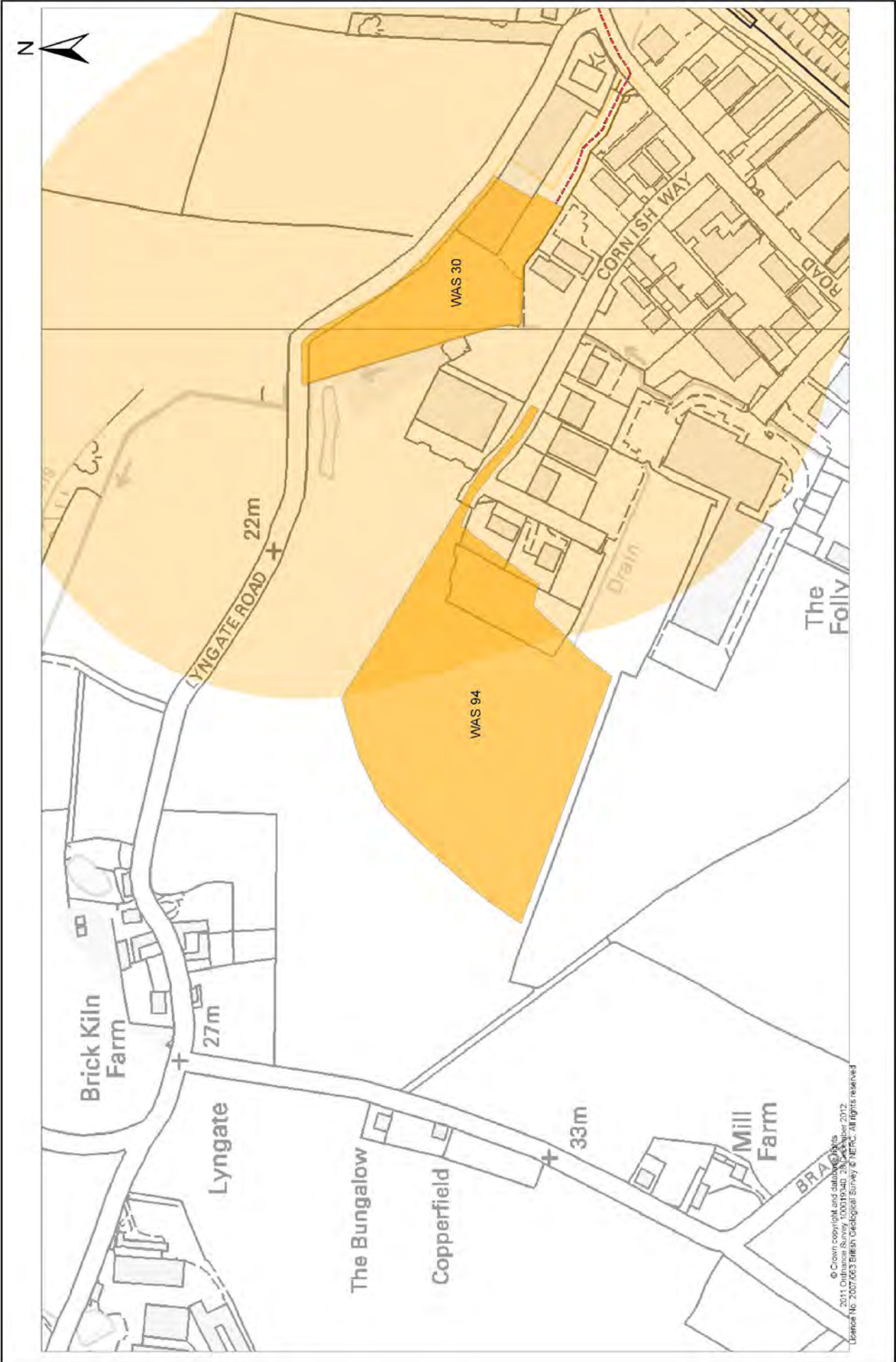
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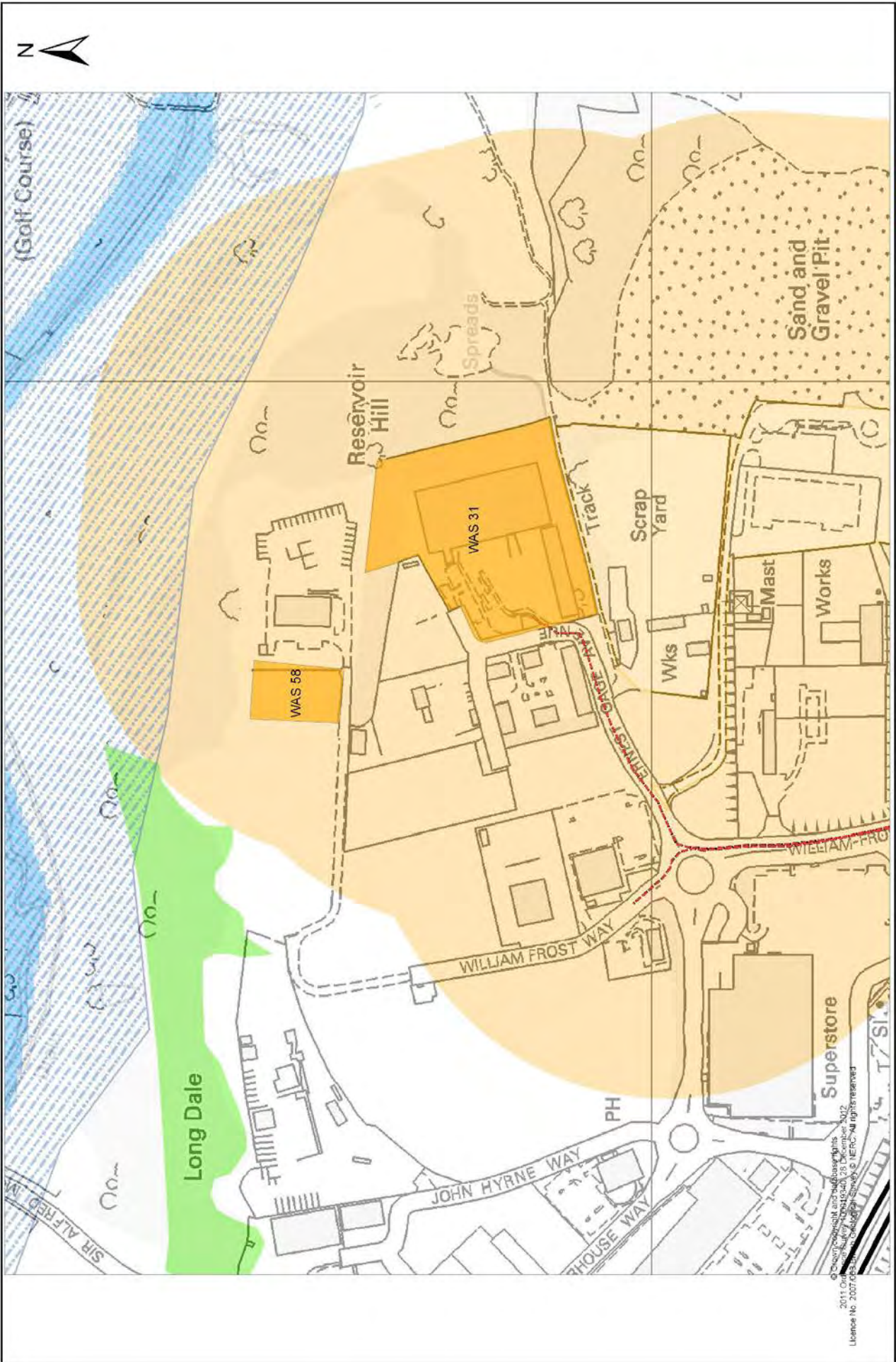


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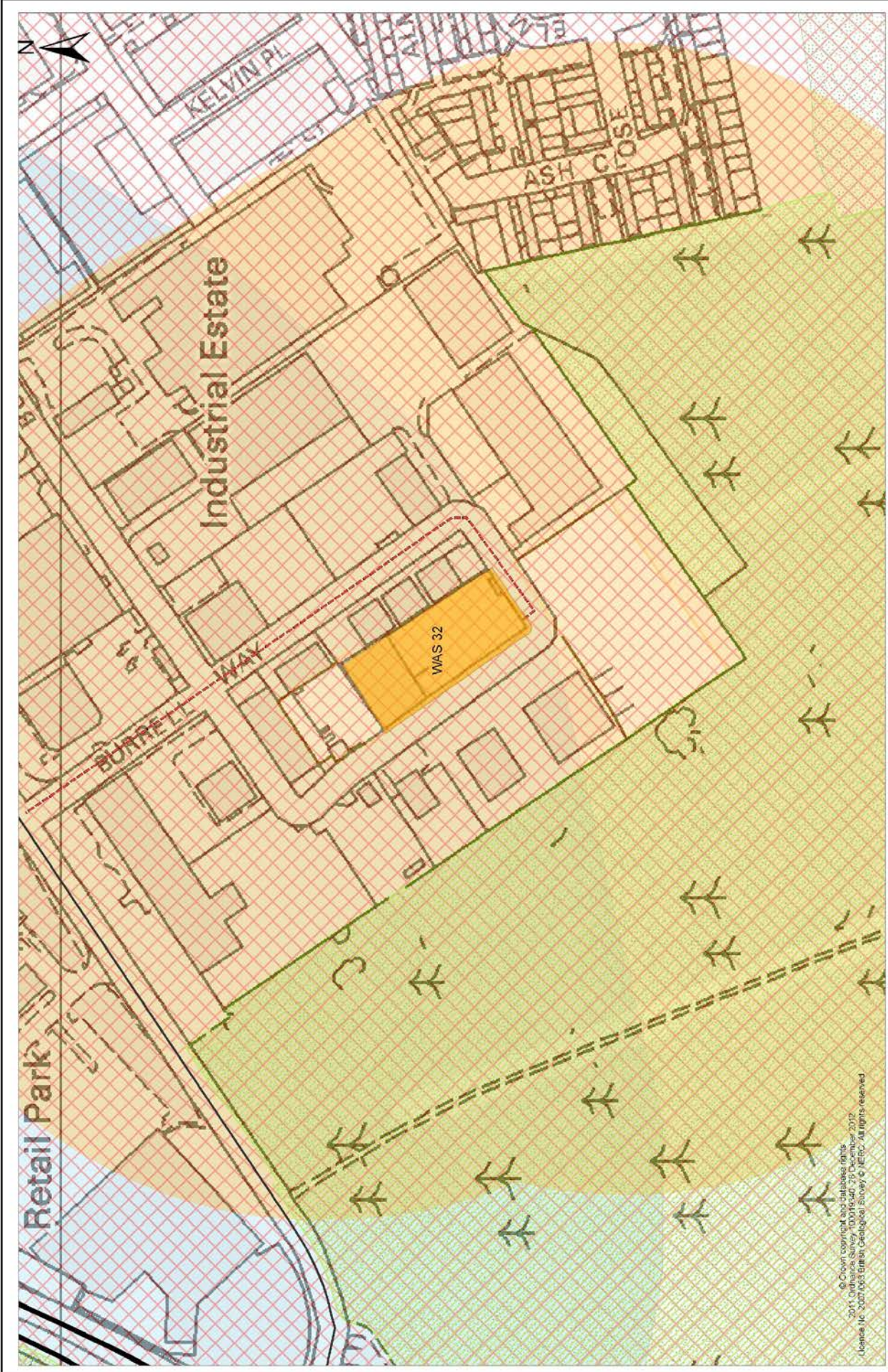


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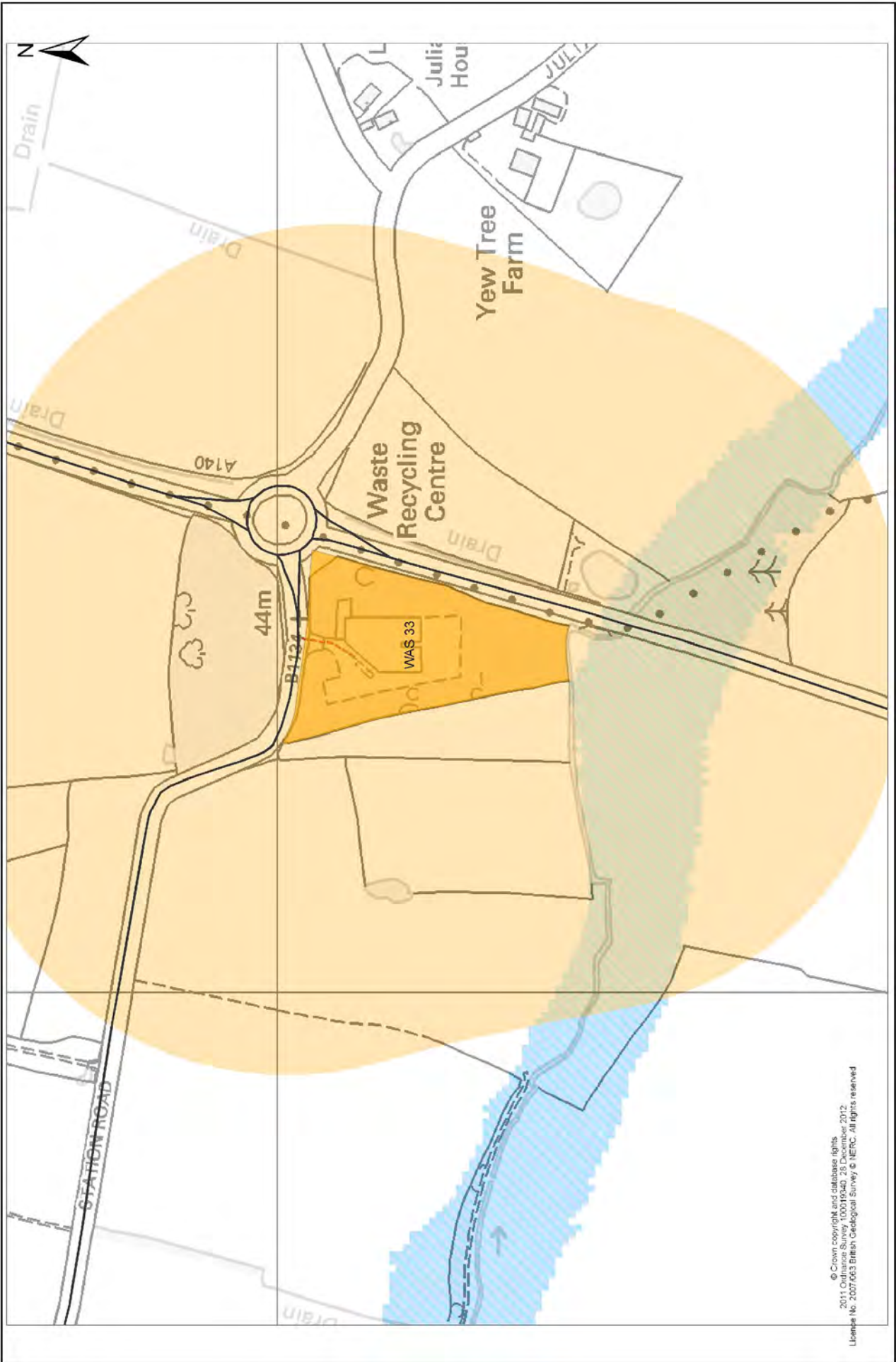


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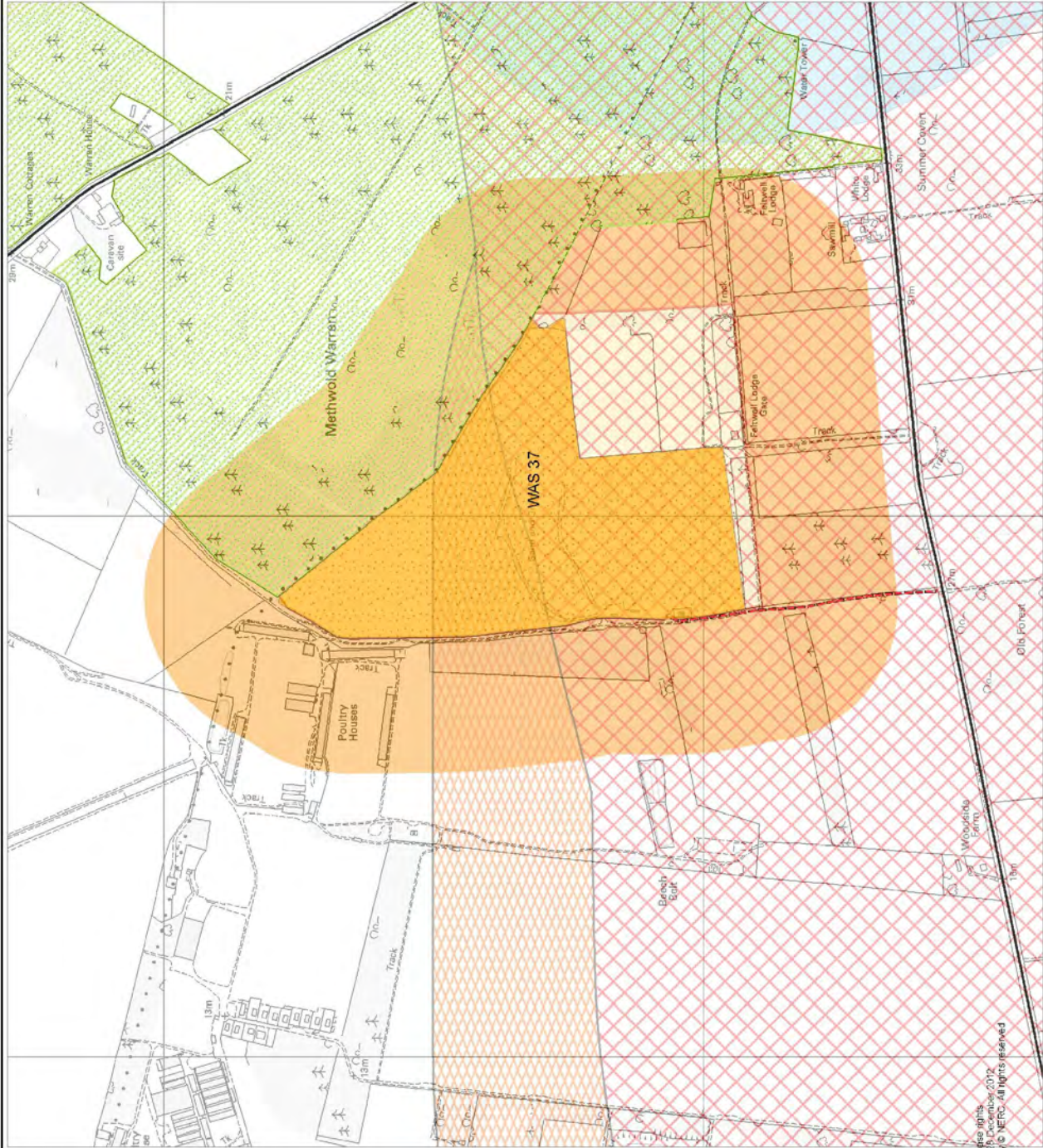
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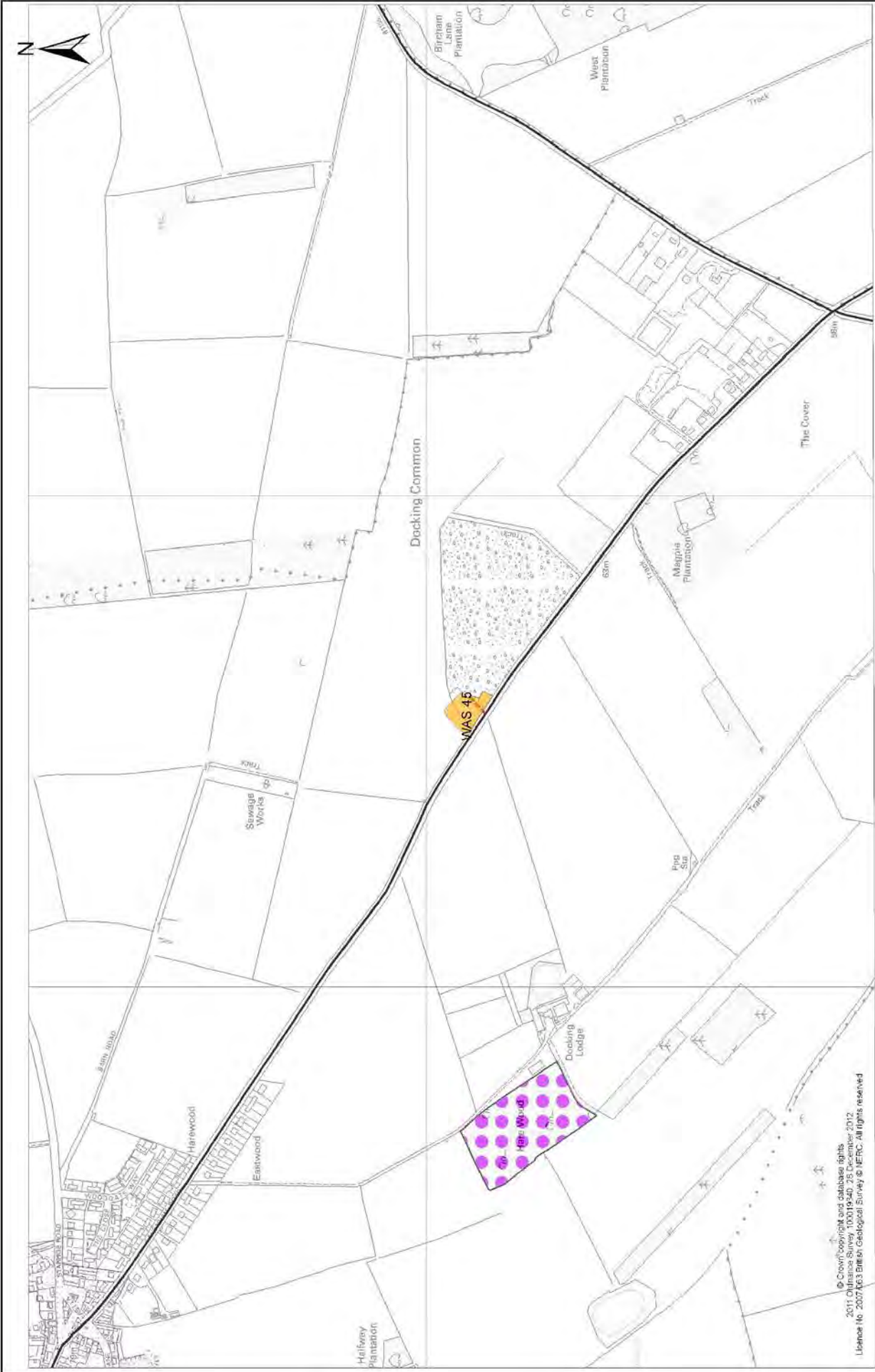
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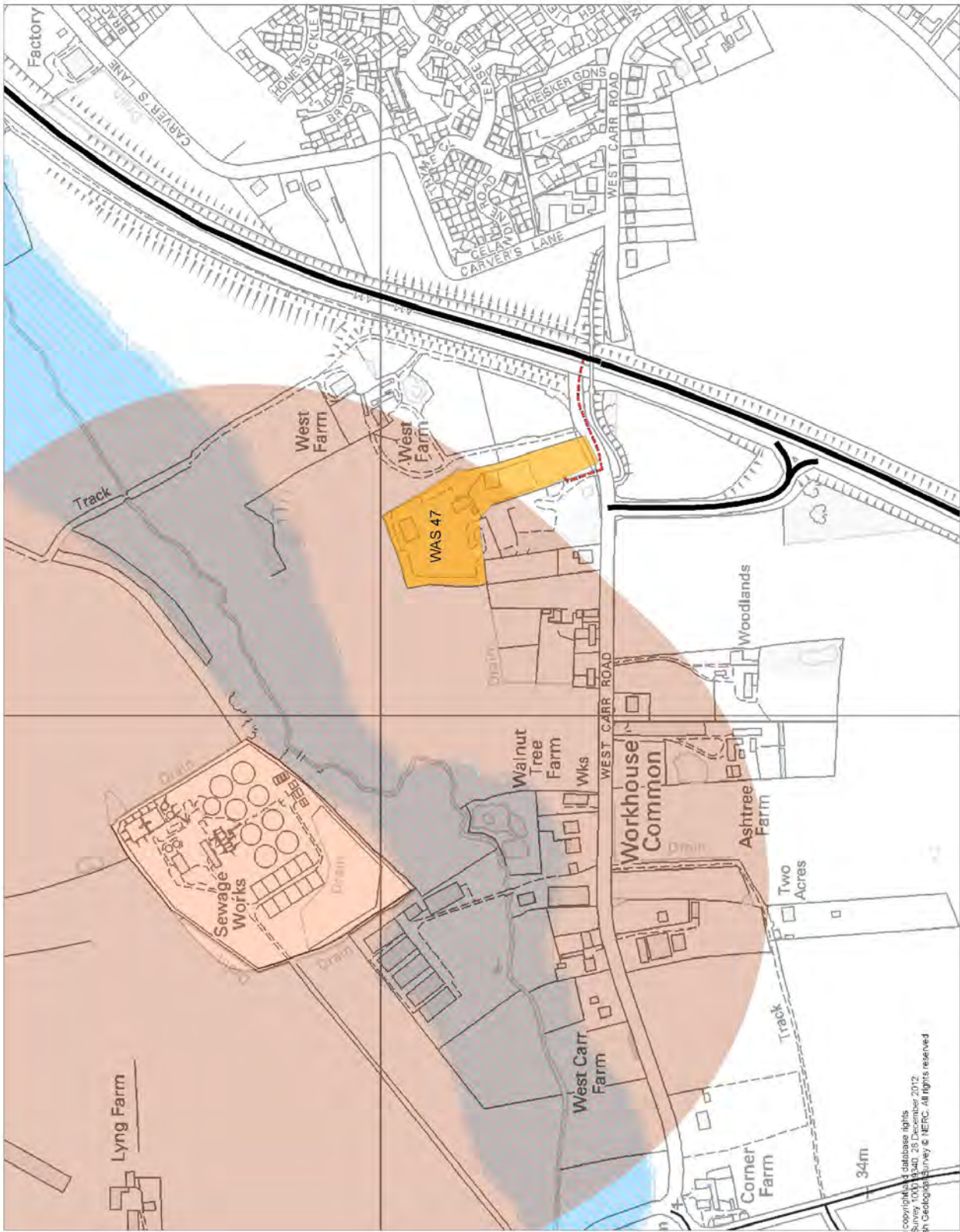


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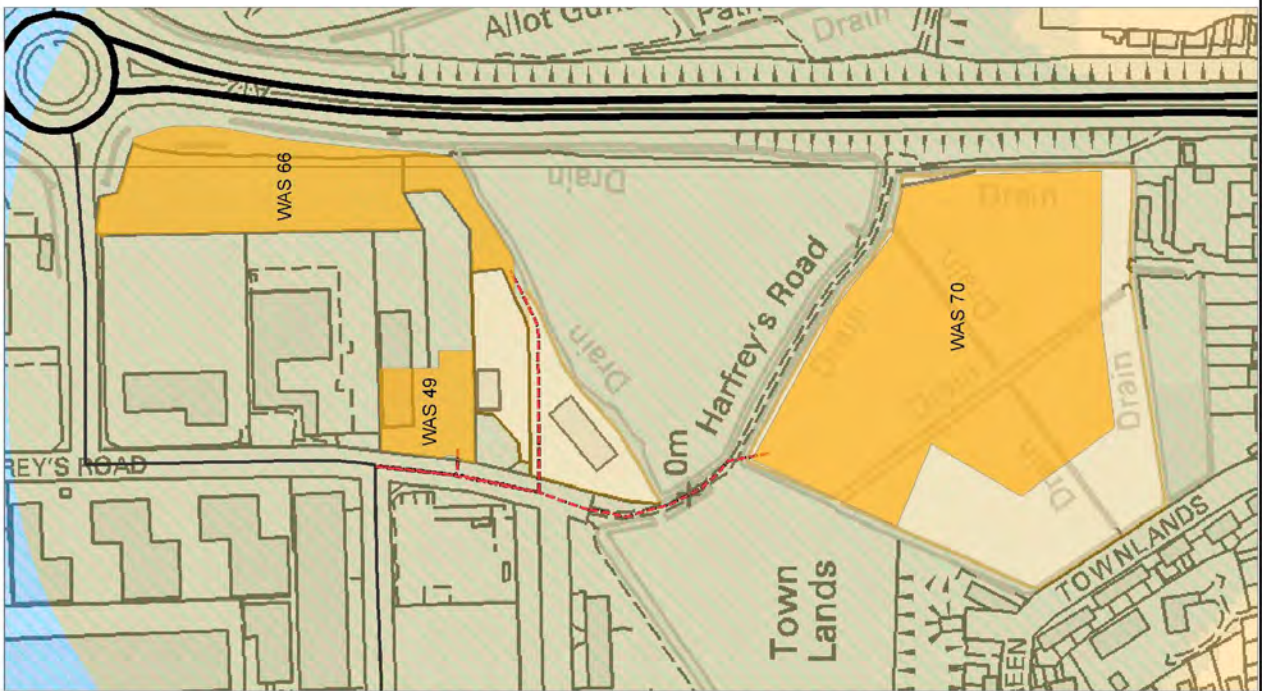
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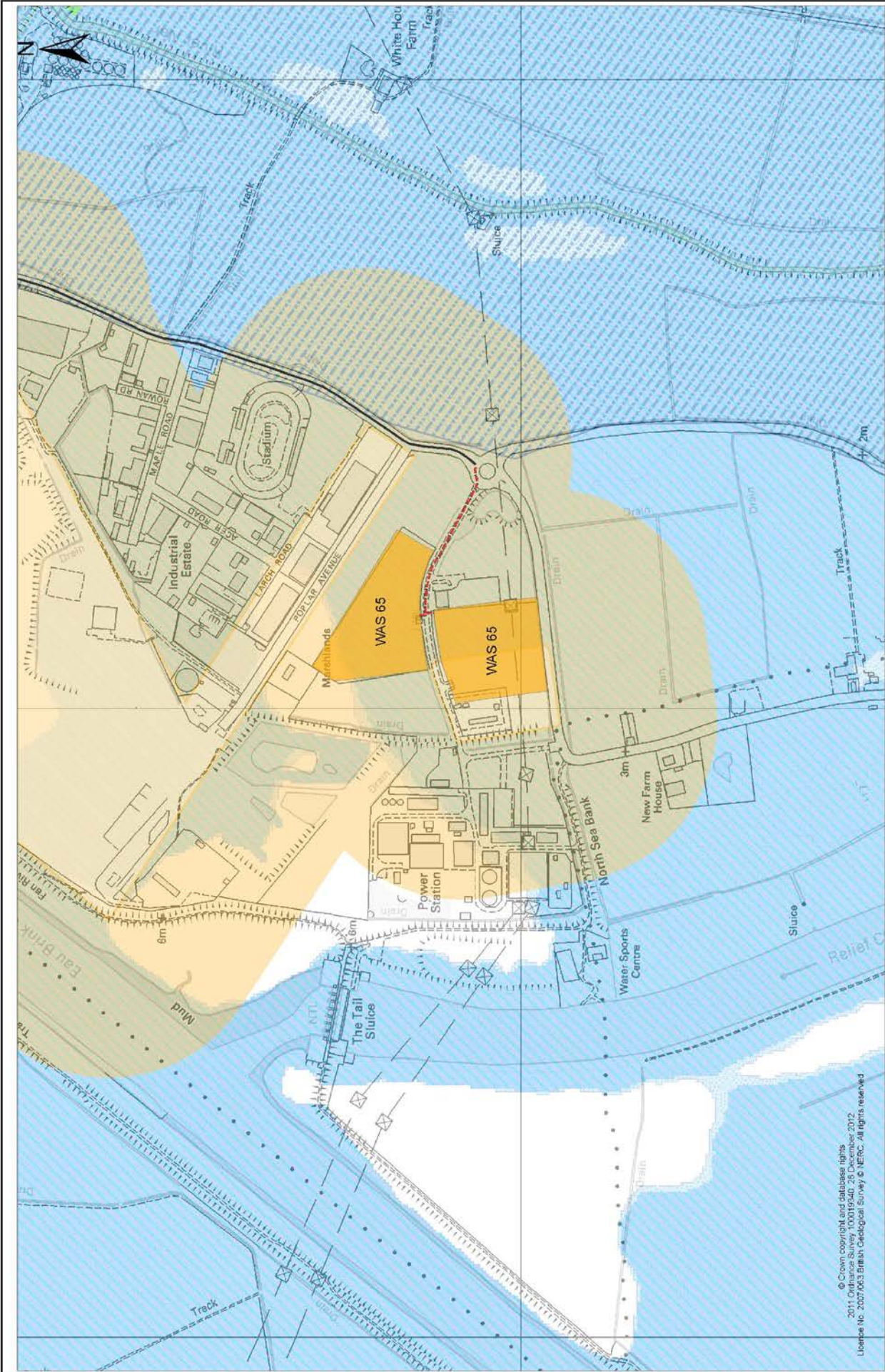
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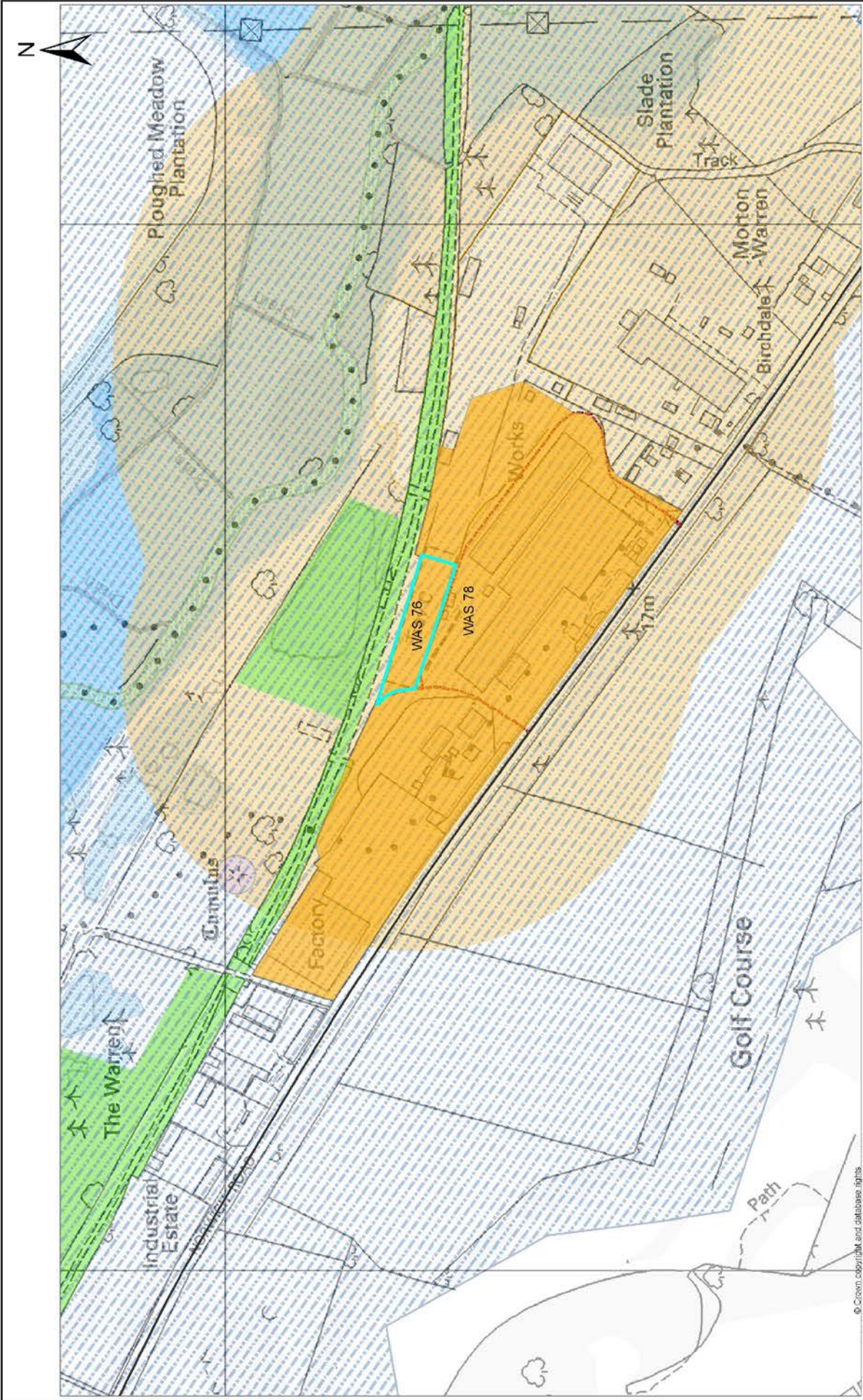
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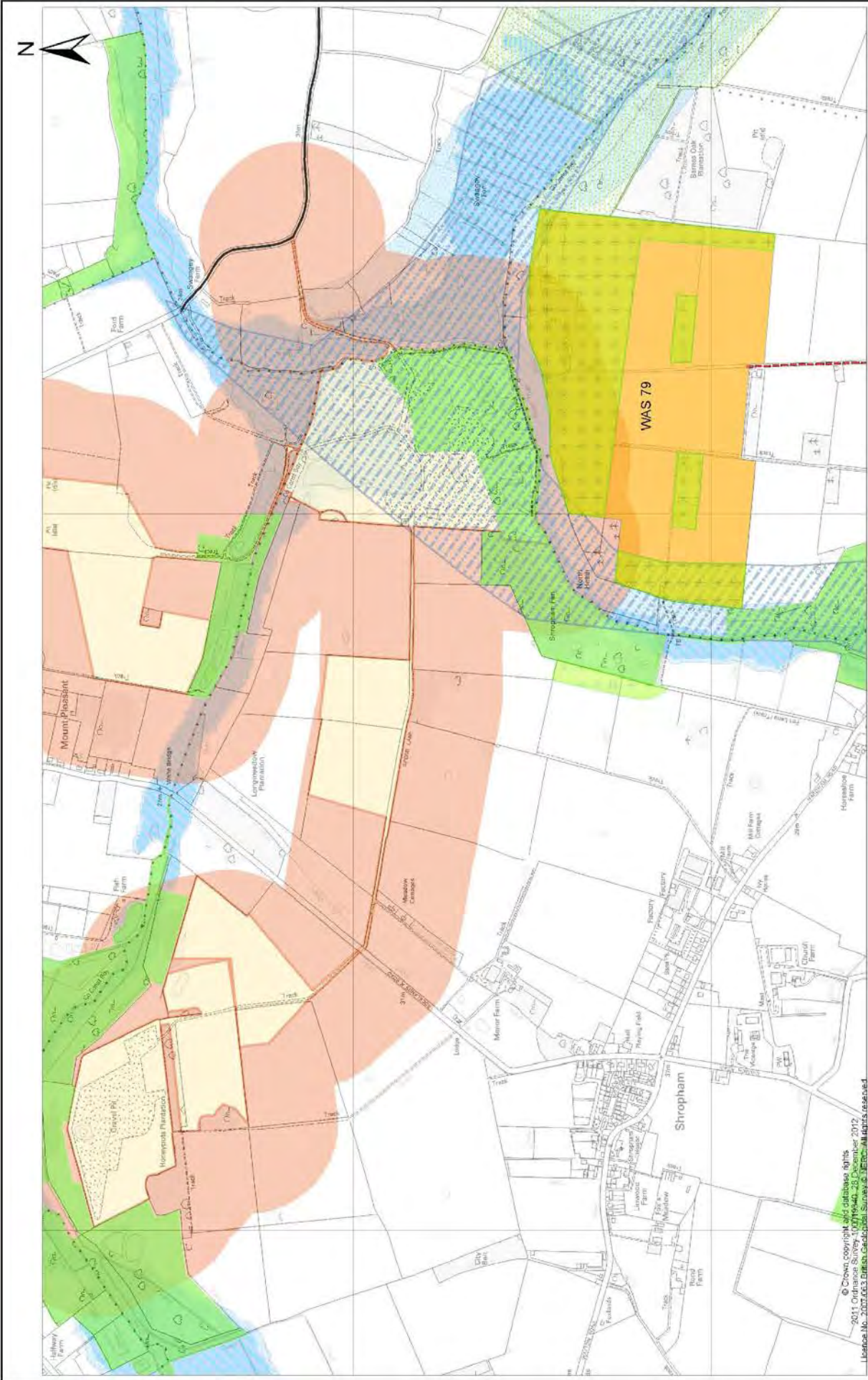
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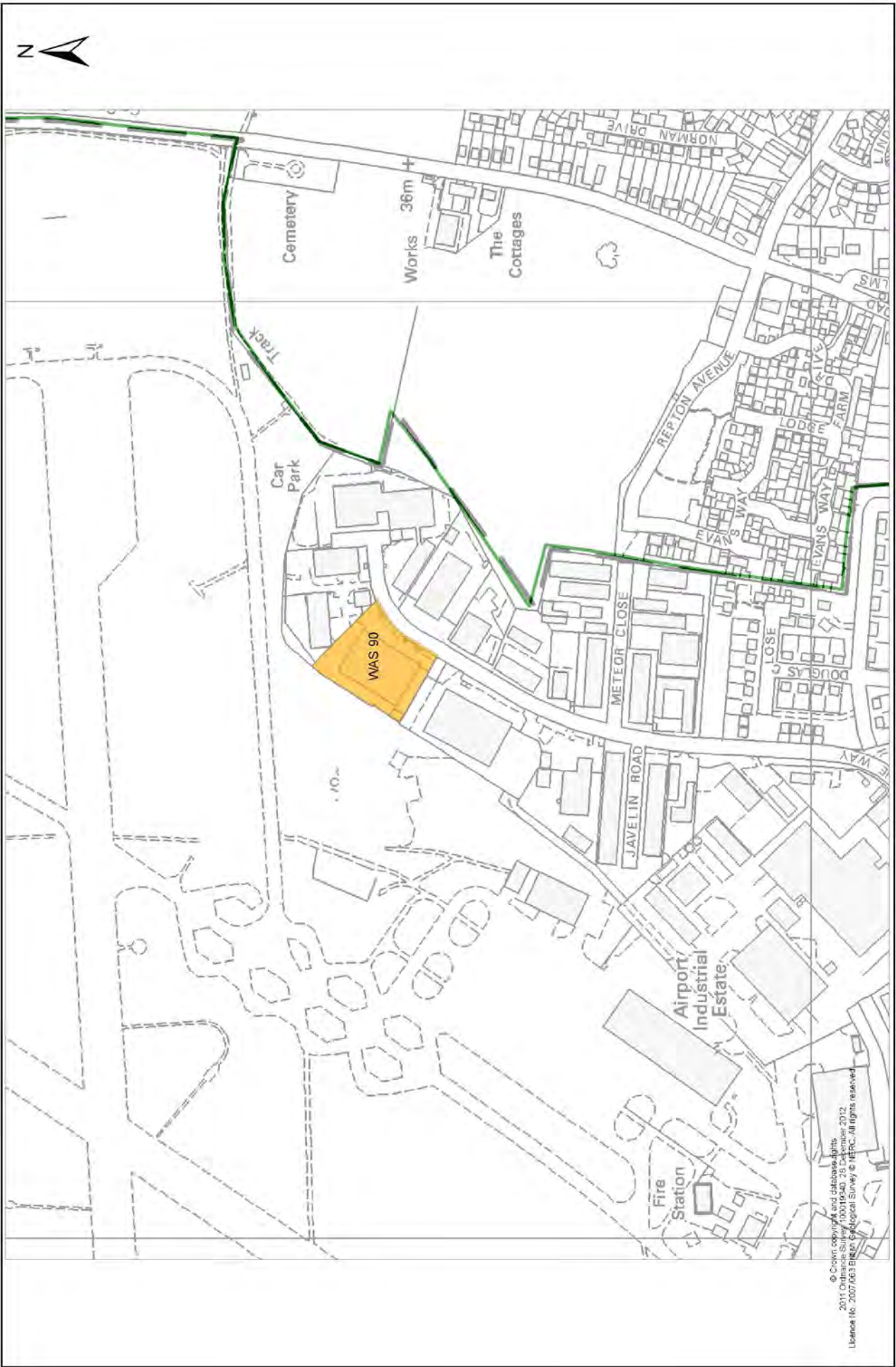




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Data Sources

Dataset	Source
Area of Outstanding Natural Beauty Special Protection Area (SPA) Special Area of Conservation (SAC) Site of Special Scientific Interest (SSSI) Ramsar sites National Nature Reserves Local Nature Reserves	Natural England (from www.magic.gov.uk)
County Wildlife Sites Existing mineral sites Existing waste sites Existing mineral infrastructure	Norfolk County Council
Groundwater Source Protection Zones Flood Risk Zones	Environment Agency
Listed Buildings Registered Historic Parks and Gardens Scheduled Ancient Monuments	English Heritage (from www.magic.gov.uk)
Broads Authority executive area	Broads Authority
Regionally Important Geological Sites	Norfolk Geo-diversity Partnership
Conservation Areas Air Quality Management Areas	Norfolk County Council (derived from local authority information)
Stone Curlew protection and mitigation buffer zones	Breckland District Council