The Great Grid Upgrade

North Humber to High Marnham

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North Humber to High Marnham

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1. Introduction

1.1.1 This appendix to Application Document 6.8 Chapter 8 Ecology details the scope, methods and findings of bat roost surveys carried out to inform the Environmental Statement (ES) and any mitigation and licensing requirements for the Project.

1.1.2 The bat roost report identifies relevant legislation relating to bats, which is outlined within section 2 Relevant Legislation of this appendix. Baseline information was obtained through desk-based assessments and field surveys, comprising Ground Level Tree Assessments (GLTA) and aerial tree assessments carried out between October 2023 and 15 July 2026. The results of further aerial tree assessments undertaken in 2026 to complete the required three surveys visits will be provided in an addendum alongside an updated assessment.

1.1.3 As a consequence of National Grid Electricity Transmission plc's (National Grid) commitment to avoid the loss of buildings, no bat roost assessments were undertaken in respect of buildings or structures. The potential for impacts on bats associated with buildings and structures was considered during the baseline surveys; however, no works are proposed that would directly affect buildings or structures capable of supporting bat roosts, and no construction activities are anticipated to result in the disturbance of any roosts that may be present in nearby structures. Suitable standoffs from buildings forms part of the routeing and embedded design of the Project. On this basis, detailed bat roost assessments of buildings and structures were not considered necessary. Baseline data presented in this appendix has been used to inform the assessment in **Application Document 6.8 Chapter 8 Ecology**.

1.1.4 This appendix is supported by the following figure located in Annex A:

- **Figure A8.7.1 Bat Roost Inspection L**ocations

1.1.5 Desk-study records are not presented in a figure due to the low resolution of some of the location data, as further described in section 3.3.

1.1.6 There are two annexes to this appendix:

- Annex A Figures;
- Annex B Current standing of trees assessed for bat roost suitability.

1.1.7 The following documents and figures should be read in conjunction with this appendix to provide a more detailed assessment of the baseline in relation to bats:

- **Application Document 5.2 Habitats Regulations Assessment Report**;
- **Application Document 6.1.F1 Figure 1.1 Project Location and Route Sections**;
- **Application Document 6.2 Chapter 2 Legislation and Policy Context**;
- **Application Document 6.4 Chapter 4 Description of the Project**;
- **Application Document 6.8 Chapter 8 Ecology**;

- **Application Document 6.8.F2 Figure 8.2 Nature Conservation Non-Statutory Designated Sites, and Priority Habitat within 2 km**;
- **Application Document 6.8.A1 Appendix 8.1 Local Planning Policy**;
- **Application Document 6.8.A2 Appendix 8.2 Designated Sites Information**;
- **Application Document 6.8.A3 Appendix 8.3 Habitat Survey Report**;
- **Application Document 6.8.A8 Appendix 8.8 Bat Activity Report**;
- **Application Document 7.3 Register of Environmental Actions and Commitments**;
- **Application Document 7.8 Outline Landscape and Ecology Management Plan**; and
- **Application Document 7.14 Arboricultural Impact Assessment**.

1.2 Defining the study and survey areas

1.2.1 In this appendix, the following terminology is used to describe the geographic areas in which the bat roost survey work has been conducted:

- Study area: This area was subject to the collection of background information, such as existing records of bats within 2 km of the Order Limits, information on internationally designated sites of relevance to bats within 30 km, and nationally designated sites of relevance to bats within 5 km; and
- Survey area: The survey area comprised all trees within the Order Limits and a 30 m buffer. The survey area is shown in **Figure A8.7.1 Bat Roost Inspection Locations**, in Annex A.

1.2.2 The Project has been sub-divided into the following six geographical Route Sections, as shown on **Application Document 6.1.F1 Figure 1.1 Project Location and Route Sections**:

- Route Section A – between the proposed Birkhill Wood Substation and the River Ouse;
- Route Section B – between the River Ouse and Crowle;
- Route Section C – between Crowle and North Moor (M180);
- Route Section D – between North Moor (M180) and the River Idle;
- Route Section E – between the River Idle and Darlton; and
- Route Section F – between Darlton to the proposed High Marnham Substation.

1.2.3 Where appropriate, the results reported in this appendix reference the Route Section (or closest Route Section) in which the habitat/feature is located.

1.3 Survey aims and objectives

1.3.1 The aims and objectives of the bat roost survey work and report are presented in the following sections.

Aims

1.3.2 Aims of the desk based and field surveys, and report are to:

- Determine the presence and species of bat roosts within the survey area where possible; and
- Inform the ES for the Project and any subsequent mitigation or licensing that may be required to enable the Project to proceed lawfully with respect to bats.

Objectives

1.3.3 The objectives of the bat roost survey work and report are to:

- Outline the legislation relevant to bats;
- Present desk-study information within the study area;
- Identify trees within the survey area that have the potential to be used by roosting bats;
- Present the methods and results of GLTAs and aerial tree assessments carried out within the survey area between October 2023 and 15 July 2026;
- Evaluate the nature value of roosting bats within the survey area; and
- Present any mitigation requirements for roosting bats across the Project.

2. Relevant legislation

2.1 Introduction

2.1.1 This section lists the legislation that is relevant to bats. More detailed information regarding legislation pertaining to bats is presented in **Application Document 6.8 Chapter 8 Ecology** and **Application Document 6.2 Chapter 2 Legislation and Policy Context**.

2.1.2 Policy matters are specifically referenced in **Application Document 6.8 Chapter 8 Ecology** and **Application Document 6.8.A1 Appendix 8.1 Local Planning Policy**, and not discussed further in this appendix.

2.2 Legislation

The Conservation of Habitats and Species Regulations 2017

2.2.1 All UK bat species are protected under Regulation 43 of The Conservation of Habitats and Species Regulations 2017 (the Habitats Regulations) (HM Government, 2017). This makes it an offence to: deliberately, intentionally or recklessly capture, injure or kill a bat; deliberately, intentionally or recklessly disturb a bat; or damage or destroy a breeding site or resting place used by a bat (this is an offence whether the act is deliberate or not).

2.2.2 Deliberate capture or killing is taken to include "*accepting the possibility*" of such capture or killing. Deliberate disturbance of bats includes, in particular, any disturbance that is likely a) to impair their ability to survive, to breed or reproduce, or to rear or nurture their young, or to hibernate or migrate; or b) to affect significantly the local distribution or abundance of the species of bat to which the individuals belong.

2.2.3 Where development works cannot avoid impacts that would otherwise result in an offence under The Habitats Regulations 2017 (HM Government, 2017) and the Wildlife and Countryside Act 1981 (HM Government, 1981), a mitigation licence from Natural England would be required to permit such works. Any such licence would only be granted where the relevant derogation tests are satisfied. The granting of a licence is subject to the three derogation tests being met, namely that there are imperative reasons of overriding public interest, no satisfactory alternative (to the Project, or its design that would resolve the issue with less or no harm to the species) is available, and that the favourable conservation status of the species is maintained.

Wildlife and Countryside Act 1981

2.2.4 Bats are also protected under Schedule 5 of the Wildlife and Countryside Act 1981 (HM Government, 1981), which makes it an offence to intentionally or recklessly disturb, injure, or kill bats, or intentionally or recklessly obstruct access to any structure or place used for shelter or protection, or disturb a bat in such a place.

2.2.5 Lower levels of disturbance not covered by the Habitats Regulations 2017 (HM Government, 2017) remain an offence under the Wildlife and Countryside Act 1981 (HM

Government, 1981), although a defence is available where such actions are the incidental result of a lawful activity that could not reasonably be avoided.

2.2.6 A bat roost is defined as being "*any structure or place that is used for shelter or protection"* or a *"breeding site or resting place"*, and since bats regularly move roost site throughout the year, a roost is protected whether or not bats are present at the time.

2.2.7 It is illegal to carry out work affecting bats or their roosts if that work would result in one of the above offences. Licences to permit otherwise illegal activities relating to bats and their roost sites can be issued for specific purposes and by the relevant licensing authority, which in England is Natural England.

Natural Environment and Rural Communities Act 2006

2.2.8 Seven of the UK bat species are listed as species of principal importance (SPI) within Section 41 of the Natural Environment and Rural Communities Act 2006 (NERC Act) (HM Government, 2006): barbastelle bat (*Barbastella barbastellus)*, Bechstein's bat (*Myotis bechsteinii)*, noctule (*Nyctalus noctula)*, soprano pipistrelle (*Pipistrellus pygmaeus)*, brown long-eared bat (*Plecotus auritus)*, greater horseshoe bat (*Rhinolophus ferrumequinum)* and lesser horseshoe bat (*Rhinolophus hipposideros)*. These species are recognised as being of conservation concern, typically due to rarity, declining populations, or limited distribution, and are therefore material considerations in the planning process. Public authorities are required to have regard to the purpose of conserving biodiversity when exercising their functions, in accordance with Section 40 of the NERC Act.

European protected species mitigation licences

2.2.9 Although the law provides strict protection to bats, it also allows this protection to be set aside (derogated) under Regulation 55 of the Habitats Regulations 2017 (HM Government, 2017) through the issuance of European Protected Species Mitigation Licences (EPSML) for the purpose of preserving public health; public safety; other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequences of primary importance for the environment. However, in accordance with the requirements of the Habitats Regulations a licence can only be issued by Natural England where the following requirements are satisfied:

- There is no satisfactory alternative; and
- The action authorised will not be detrimental to the maintenance of the population of the species concerned at a favourable conservation status in their natural range.

2.2.10 It is an offence to fail to comply with the terms and conditions of an EPSML once it has been issued.

3. Methods

3.1 Desk-study

3.1.1 A desk-study was carried out to inform the ES **Application Document 6.8 Chapter 8 Ecology** in relation to bats.

Local records centres

3.1.2 As part of the desk-study, the following Local Record Centres (LRC) were contacted to request pre-existing data for bats within the study area:

- North & East Yorkshire Ecological Data Centre (data received in December 2025);
- Lincolnshire Environmental Records Centre (data received in January 2026); and
- Nottinghamshire Biological and Geological Record Centre (data received in October 2025).

3.1.3 The desk-study focused on data collected within the ten years prior to data being issued to provide an accurate representation of the current ecological conditions within the study area. By concentrating on recent data, the assessment better reflects the present baseline conditions, rather than relying on potentially outdated information which is unlikely to still be representative of bat species in the local area.

Online data and other resources

3.1.4 Any international statutory sites designated for bats within 30 km of the Order Limits, and any national statutory sites designated for bats within 5 km of the Order Limits were identified using the Multi Agency Geographic Information for the Countryside (MAGIC) website, which is hosted by the Department for Environment, Food and Rural Affairs (Department for Environment, Food and Rural Affairs, 2026). The MAGIC website was also reviewed for any granted EPSMLs for bats within 2 km of the Order Limits.

3.2 Field survey

Ground level tree assessment

3.2.1 Ground Level Tree Assessments in the survey area were conducted between October 2023 and December 2025 for trees within the survey area. Each survey was overseen by at least one ecologist registered to use the Natural England bat survey class licence (Level 1 or above). Only those trees potentially impacted (including disturbance impacts), or likely to be removed for the Project were assessed.

3.2.2 Trees were assigned a unique identifier number in the field using ESRI FieldMaps at the time of survey (pre-fix of ‘T’ followed by a number). This results in the numbering not running sequentially and gaps in the numbering, as shown in **Figure A8.7.1 Bat Roost Inspection Locations**, in Annex A. Where trees were closely grouped, they were treated as a single feature and given a single identifier (for example T610 is a group of

three mature hawthorn trees in a hedge). Trees were examined from the ground using close-focusing binoculars and a high-powered torch. In accordance with criteria within the standard Bat Conservation Trust (BCT) guidance (Collins, 2023) trees were visually inspected for Potential Roost Features (PRF) with suitability to support roosting bats, including:

- Holes, cankers, cracks, callus rolls, splits, or cavities within trees;
- Lifted plates of bark; and
- Crevices under ivy.

3.2.3 Trees were also checked for any signs of bats including:

- Presence of any live or dead bats;
- Bat droppings within a feature, around an entrance to a feature or underneath a feature;
- Feeding remains;
- Stains around crevice entrance holes;
- Scratch marks or smoothly polished surfaces around entrance holes; and
- Odours or noise characteristic of bats.

3.2.4 Trees with None or Negligible bat roost suitability are not reported within this document. From ground level, trees were categorised as provisional PRF-I (features suitable for an individual or small number of bats), or provisional PRF-M (features suitable for multiple bats or larger roosts including maternity roosts). If the surveyor was not confident to select between PRF-I or PRF-M from the ground, for example if it was not possible to see the tree clearly, or access prevented being able to view a tree from both sides, then these trees were categorised as Further Assessment Required (FAR). This approach represents a deviation from the BCT guidance (Collins, 2023) and was agreed in advance with Natural England (in-person meeting with Natural England on 4 July 2025 (see Table 8.6 of Application Document 6.8 Chapter 8 Ecology) and documented in Application Document 5.8.3 Statement of Common Ground – Natural England) due to the scale and nature of the Project.

3.2.5 Only trees categorised as provisional PRF-M or FAR, were subject to climbed aerial inspections or dusk emergence surveys where a tree was not safe to climb. It was agreed with Natural England that provisional PRF-I trees would be climbed during pre-construction surveys when confirmed that they would be affected, and then soft felled in the presence of an ecologist registered to use the Natural England bat survey class licence (Level 2 or above). Should they be upgraded to a PRF-M at this time, then further surveys will be carried out where required.

Detailed aerial inspection

3.2.6 Following the GLTA, trees which were classified as provisional PRF-M or FAR, which were considered to be potentially impacted by the Project, and were safe to climb were subject to detailed aerial inspection (subject to access). The first aerial inspection surveys were conducted between September 2025 and November 2025, and further surveys were completed between May and September 2026. They were carried out by certified tree climbers acting as accredited agents under a Natural England bat survey

class licence. The works were planned and supervised by a suitably qualified ecologist holding a Natural England bat survey class licence (Level 2).

3.2.7 A limited number of GTLAs were completed in December 2025, after completion of the 2025 aerial inspection survey programme. The corresponding aerial inspections for any provisional PRF-M or FAR identified in December 2025 were undertaken from May 2026 onwards. Only surveys conducted up to and including 15 July 2026 are included in this appendix due to the time required for data processing and reporting prior to submission. Additional survey data are to be presented in an addendum report.

3.2.8 Determination of whether a PRF-M or FAR was potentially impacted by the Project, and therefore subject to detailed aerial inspection, was based on information on vegetation clearance in **Application Document 6.4 Chapter 4 Description of the Project** and shown in **Application Document 2.13 Trees and Important Hedgerows to be Removed or Managed Plans.** This considers the tree's proximity to the proposed overhead line and/or associated Project infrastructure based on the Project design set out in **Application Document 6.4 Chapter 4 Description of the Project**, and **Application Document 6.4.F1 Figure 4.1 Proposed Project Design**.

Proposed overhead line

3.2.9 Trees included in the assessment due to vegetation clearance for the proposed overhead line had canopies and stems located:

- Up to a distance of 25 m (depending on span length) either side of the proposed overhead line centreline (removed).
- From 21 m and up to 33 m (depending on span length and the associated extent of removal required) either side of the proposed overhead line centreline (affected managed).
- From 29 m and up to 50 m (depending on span length and should the flexibility afforded by the LoD be used) either side of the proposed overhead line centreline (potentially affected).

Construction access

3.2.10 Trees included in the assessment as removed due to construction access in the following areas:

- Highway widening;
- Bellmouths;
- Construction access tracks (stone);
- Bridge working areas;
- Construction access tracks (trackway); and
- In bespoke locations along other construction access routes where there is no existing gap in the vegetation.

3.2.11 Trees included in the assessment as affected managed due to construction access in the following areas:

- Visibility splays; and

- Any canopy overhang in areas for some elements of highway widening, bellmouths and construction access tracks (stone) any of the areas listed as removed above.

Working areas

3.2.12 Trees included in the assessment as removed due to the following working areas:

- Pylon working areas;
- Construction compounds;
- Crossing protection (working area);
- Stringing position (within the Equipotential Zone[1] (EPZ));
- Drainage areas;
- Flood compensation areas; and
- Elements of third-party modification works (removal of exiting assets and installation of new assets).

3.2.13 Trees included in the assessment as affected managed due to the following working areas:

- Stringing positions (outside of the EPZ);
- Crossing protection (within the netting span); and
- Third party modification works (canopy overhang).

3.2.14 Trees included in the assessment as potentially affected due to the following working areas:

- Any canopy overhang in areas for elements of flood compensation areas, third party modification works, species mitigation areas, and other bespoke areas where appropriate.

3.2.15 Typically, the Order Limits extend 50 m either side of the proposed overhead line centreline, narrowing or widening where required. Aerial inspection surveys were not undertaken beyond the Order Limits.

3.2.16 It is acknowledged that, following design evolution, the buffers from the proposed overhead line in relation to removal, Affected Managed, or Potentially Affected categories used in defining the survey extent varies slightly from the vegetation clearance assumptions presented in **Application Document 6.4 Chapter 4 Description of the Project**, but survey area and effort is adequate and appropriate.

3.2.17 Trees within all ancillary Project areas where removal, pruning, or disturbance may occur were also assessed. These areas include pylon working areas, flood compensation areas, indicative working areas, crossing protection zones, stringing positions, construction compounds, drainage mitigation works, bridge working areas, and third-party asset working areas.

[1] An Equipotential Zone (EPZ) on overhead lines is a safety control method used during conductor installation or replacement to ensure that workers and all conductive equipment in the working zone are kept at the same electrical potential. This eliminates dangerous touch and step voltages and reduces the risk of electric shock.

3.2.18 Planting areas were also reviewed to understand baseline conditions; however, trees within designated planting areas are not anticipated to be affected by the Project. Also, it is anticipated that no works will be required for future maintenance access routes.

3.2.19 Each tree categorised as either PRF-M or FAR was inspected at height (where possible) to determine the confirmed roost suitability (PRF-I, PRF-M, or Negligible/None suitability), refining any provisional categorisation assigned during the GLTA. An endoscope and torch were used to inspect features and search for bats or evidence of bats.

Nature conservation evaluation

3.2.20 The nature conservation value of any confirmed and potential bat roosts was assessed in accordance with the Bat Mitigation Guidelines (Reason & Wray, 2025). The approach follows the valuation framework set out within the guidelines, which assigns geographical importance to roosts based on conservation status, distribution, roost type and the relative size of the roost (interpreted in the context of typical colony sizes for the species concerned).

3.2.21 As described, trees within the survey area were inspected from ground level to identify PRFs and assigned a provisional category of provisional PRF-I, provisional PRF-M, or FAR as a precautionary assessment. Subsequently, trees assigned precautionary PRF-M or FAR were subject to an aerial inspection by suitably experienced and licensed ecologists to confirm roost features and confirm the final roost classification.

3.2.22 Where confirmed or potential roost features were identified, a precautionary level of importance (Site, Local, District, County, Regional or higher, where applicable) was assigned in accordance with the Bat Mitigation Guidelines (Reason & Wray, 2025). As bat surveys associated with the Project are ongoing at the time of reporting and due to be completed by October 2026, this assessment adopts a precautionary approach where roost presence cannot yet be ruled out. The valuation considered the ecological context of the survey area, including the presence of bat species known to use tree roosts, and took into account the following factors:

- The conservation status and geographical distribution of the species recorded or considered likely to use the feature;
- The roost type (e.g. individual day roost, transitional roost, maternity roost, hibernation site, night roost);
- The size of the roost relative to typical sizes for that species; and
- The presence of assemblages or multiple species, where applicable.

3.2.23 In accordance with the guidelines (Reason & Wray, 2025), where tree-roosting species are likely to use multiple trees within a woodland or linear habitat for breeding or hibernation, the importance of the overall roost resource (i.e. the collection of available PRFs) was considered. This approach recognises that individual roost features may be used intermittently and that the conservation value may lie in the availability of a network of suitable trees rather than a single confirmed roost.

3.3 Assumptions and limitations

3.3.1 The aim of a desk-study is to help characterise the baseline context of the Project and provide valuable background information that would not be captured by surveys alone. However, a lack of records for a particular species does not necessarily mean that the species does not occur in the study area. Likewise, the presence of records for particular species does not automatically mean that these still occur within the area of interest or are relevant in the context of the Project.

3.3.2 A proportion of the records returned during the desk-study were associated with broad or coarse grid references (e.g. tetrad or kilometre-scale resolution), rather than precise point locations. As a result, it was not possible to reliably attribute all records to specific habitat features or to determine exact proximity to the Order Limits. The desk-study information has been used to provide contextual evidence of species presence and assemblage composition within the wider landscape, with Project level evaluation and conclusions based primarily on targeted field surveys carried out between October 2023 and July 2026.

3.3.3 Detailed aerial inspections were carried out where trees were considered safe to climb and accessible. A total of 21 trees could not be climbed (aerial inspections could not be undertaken) due to safety constraints. These trees were assigned, where possible, a provisional roost suitability category (PRF-I or PRF-M). Where roost features could not be confidently verified, trees were assigned a precautionary classification of FAR. As aerial inspection is not possible for these trees, to determine bat presence/likely absence, dusk emergence surveys were carried out between June and September 2026, the results of the dusk emergence surveys will be reported in an addendum report.

3.3.4 For trees considered safe to climb and accessible, aerial inspections were carried out to confirm the presence and suitability of PRF-M and FAR identified during the GLTA. This report includes the results of the aerial inspections carried out between September 2025 and July 2026 and does not present the full survey data for all trees. The results of surveys carried out after 15 July 2026 will be included in the addendum report.

3.3.5 The addendum will also include the results of the dusk emergence surveys for trees that could not be climbed due to safety, or where access was not possible, as well as aerial inspection results of trees not yet climbed, and the remaining aerial inspection results of confirmed or provisional PRF-M trees where initial inspection did not result in downgrading. The outcomes of these additional surveys will inform any necessary refinement of roost categorisation and nature conservation value.

3.3.6 In some instances, access to specific trees or land parcels was not possible. Where access restrictions apply, where possible, assessments were carried out from the nearest accessible vantage point, and conclusions have been drawn based on the information available at the time of survey. A total of 17 trees recorded during the GLTA surveys as either FAR or provisional PRF-M have not had further assessment due to access limitations, these trees will retain the roost category awarded during the GLTA survey.

4. Results

4.1 Desk-study

Statutory designations

4.1.1 There are no Special Areas of Conservation (SACs) within 30 km of the Order Limits or Sites of Special Scientific Interest (SSSIs) within 5 km of the Order Limits that are specifically designated, cited, or notified for bats as a qualifying feature.

Existing bat species records

4.1.2 There were 1,065 existing records of bat species returned within 2 km of the Order Limits within the ten years prior to receipt of data from the LRCs. The records consisted of ten species, including brown long-eared bat, common pipistrelle, soprano pipistrelle, Nathusius' pipistrelle (*Pipistrellus nathusii*), Daubenton's bat (*Myotis daubentonii*), Brandt's bat (*Myotis brandtii*), whiskered bat (*Myotis mystacinus*), Leisler's bat (*Nyctalus leisleri*), noctule, barbastelle, as well as unidentified Myotis species (*Myotis* spp.), and unidentified pipistrelle species (*Pipistrellus* spp.).

4.1.3 A total of 90 records of bats were recorded within the Order Limits. Of the 90 records, 13 records related to confirmed roosts. Of the 13 records of confirmed roosts, eight were brown long-eared bat, two were common pipistrelle, one roost was a soprano pipistrelle, and the remaining two roosts were of unidentified bats. Table 4.1 shows the species and locations of the roosts provided by the LRCs (Route Sections are also provided for clarity), along with any accompanying notes provided by the relevant LRC. These data are not presented in a figure due to the low resolution of some of the location data, and also may not therefore actually be located within the Order Limits, just the extent of the grid square provided overlaps by at least some amount.

Table 4.1 – Species and location of roosts received from local records centres

Species	Location NGR (route section)	Notes
Brown long-eared bat	SE92NW (Route Section B)	Recorded in bat box
Common pipistrelle	SE92NW (Route Section B)	Day roost
Soprano pipistrelle	SE92NW (Route Section B)	Day roost
Unidentified bat	SE8418 (Route Section B)	Field observation (roost)
Unidentified bat	SE8418 (Route Section B)	Field observation (roost)
Brown long-eared bat	SK7798 (Route Section D)	Field observation (roost)
Brown long-eared bat	SK7798 (Route Section D)	Field observation (roost)
Brown long-eared bat	SK7798 (Route Section D)	Field observation (roost)
Brown long-eared bat	SK7679 (Route Section D)	Field observation (roost)

Species	Location NGR (route section)	Notes
Brown long-eared bat	SK7679 (Route Section D)	Recorded in bat box
Brown long-eared bat	SK7679 (Route Section D)	Recorded in bat box
Brown long-eared bat	SK7679 (Route Section D)	Recorded in bat box
Common pipistrelle	SK7798 (Route Section D)	Field observation (roost)

4.1.4 A review of data on MAGIC (Department for Environment, Food and Rural Affairs, 2026) returned no granted EPSML applications for bats within the Order Limits. A total of 11 granted EPSML applications for bats were returned within 2 km of the Order Limits, as summarised in Table 4.2. The closest was for common pipistrelle, 20 m east of the Order Limits (near Belton, Route Section D). All 11 licence applications were for common pipistrelle alone except one, which was for both common pipistrelle and brown long-eared bat.

Table 4.2 – European protected species mitigation licences for bats within the study area

EPSML Reference	Location	Species	Licence start	Licence end	Damage of breeding site?	Damage of a resting place?	Destruction of a breeding site?	Destruction of resting place?	Impact on hibernation site?
2015-17132-EPS-MIT	Cottingham, 1.9 km southeast of the Order Limits Route Section A	Common pipistrelle	16 February 2016	14 February 2021	No	No	No	Yes	Unknown
2014-3242-EPS-MIT	Gilberdyke, 1.6 km west of the Order Limits Route Section A	Common pipistrelle	24 September 2014	31 October 2019	No	No	No	Yes	Unknown
2018-34553-EPS-MIT	Gilberdyke, 1.4 km northwest of the Order Limits Route Section A	Common pipistrelle	01 May 2018	09 April 2019	No	No	No	Yes	Unknown
2015-17779-EPS-MIT	Blacktoft, 0.7 km east of the Order Limits Route Section A	Common pipistrelle, brown long-eared bat	14 December 2015	13 December 2025	Yes	No	No	Yes	Unknown
2018-38476-EPS-NSIP1	Keadby 0.9 km east of the Order Limits Route Section C	Common pipistrelle	10 January 2019	08 January 2024	No	No	Yes	Yes	Unknown
2017-32037-EPS-MIT	Belton, 20 m east from the Order Limits Route Section D	Common pipistrelle	01 November 2017	30 June 2019	No	No	No	Yes	Unknown

EPSML Reference	Location	Species	Licence start	Licence end	Damage of breeding site?	Damage of a resting place?	Destruction of a breeding site?	Destruction of resting place?	Impact on hibernation site?
2014-88-EPS-MIT	Belton, 20 m east from the Order Limits Route Section D	Common pipistrelle	22 April 2014	31 December 2015	No	Yes	No	Yes	Unknown
EPSM2013-6015	Belton, 20 m east from the Order Limits Route Section D	Common pipistrelle	01 September 2013	31 December 2014	No	No	No	Yes	Unknown
2016-24844-EPS-MIT-1	Woodbeck, 0.5 km east of the Order Limits Route Section E	Common pipistrelle	07 July 2017	16 August 2021	No	No	No	Yes	Unknown
2016-24844-EPS-MIT-2	Woodbeck, 0.5 km east of the Order Limits Route Section E	Common pipistrelle	24 October 2019	16 August 2021	No	No	No	Yes	Unknown
2017-28963-EPS-MIT	Woodbeck, 0.5 km east of the Order Limits Route Section E	Common pipistrelle	22 May 2017	18 April 2022	No	No	No	Yes	Unknown

4.2 Field Survey

Ground Level Tree Assessments

4.2.1 A total of 910 trees were visually assessed during the GLTAs, 321 trees did not have any features suitable for roosting bats and were classified as having Negligible or None bat roost suitability. They are not reported further in this appendix and have been omitted from further assessment.

4.2.2 A total of 589 trees were identified in the survey area as having potential PRFs following the GLTAs. Of these 589 trees, 141 trees classified as provisional PRF-M or FAR were taken forward for detailed aerial assessment based on their location within areas of impact.

4.2.3 Of the remaining 448 trees, 297 trees were categorised from GLTA as provisional PRF-I, of these 139 are located within areas where they could be removed or affected and require management. A further 45 trees were categorised as provisional PRF-M; however, these were not progressed to aerial inspection due to their location outside of areas where impacts occur. A further 106 trees were unable to be suitably classified from GLTA, due to access, or dense foliage constraints and have therefore been categorised as FAR. Three of these trees are associated with proposed maintenance access and are unlikely to be affected therefore further surveys have not been carried out to confirm suitability status, the remaining 103 trees are outside of areas where impacts will occur. Should any trees become impacted as a result of design changes, then these will be surveyed prior to being affected.

4.2.4 Results from the GLTA are shown in Table 4.3 below with combined results from the GLTA and detailed aerial inspection displayed in **Figure A8.7.1 Bat Roost Inspection Locations**, in Annex A. Those trees noted as outside impacted areas were not taken through for further assessment pre application

Table 4.3 – Ground Level Tree Assessment results

	GLTA assessed	Negligible/None (both outside and within impacted areas)	Provisional PRF-I (both outside and within impacted areas)	Provisional PRF-M/ outside impacted areas	FAR/ outside impacted areas	Taken forward for detailed aerial assessment as PRF-M or FAR and within impacted areas
Number of trees	910	321	297	45	106	141

Detailed aerial inspection

4.2.5 A total of 141 trees were put forward for detailed aerial inspection surveys. Thirteen of these trees with a FAR categorisation could not be accessed; therefore, a detailed aerial inspection was not possible, and a further eight have been taken forward for dusk emergence survey, as these were deemed unsafe to climb. These 21 trees accordingly retain their GLTA classification of FAR until access or dusk emergence surveys have been completed. Seventeen trees classification of provisional PRF-M were deemed unsafe to climb (13 trees) or could not be accessed (four trees) and retain their GLTA

until further surveys have been completed. Therefore 38 trees were not possible to climb.

4.2.6 Due to design changes 18 trees subject to detailed aerial assessment fall outside of impacted areas and are no longer considered within this report, these comprise six Negligible/None, four confirmed PRF-I and eight confirmed or provisional PRF-M trees.

4.2.7 Of the 85 trees successfully climbed, 50 trees were categorised as confirmed PRF-I, 23 were categorised as confirmed PRF-M, and 12 trees were categorised as Negligible PRF. Trees categorised as Negligible PRF require no further surveys and are not considered further in this report. Results of the detailed aerial inspection are displayed in **Figure A8.7.1 Bat Roost Inspection Locations**, in Annex A.

4.2.8 Trees that were successfully climbed and categorised as PRF-M had at least one of three aerial roost assessments which is recommended in the BCT guidance (Collins, 2023) to determine the presence or likely absence of bat roosts. Detailed aerial inspection for potential roost categorisation results are presented in Table 4.4. Table **4.5** – Trees subject to management/removal and their current roost assessment categorisation shows the bat roost assessment categorisation of trees in relation to how they may be affected by the Project, and Table 4.6 sets out further survey requirements for all affected trees with PRFs.

4.2.9 As of 15 July 2026, no bat roosts have been located during any of the aerial inspection assessments. A total of 79 trees have been climbed sufficiently to satisfy BCT guidance (Collins, 2023) and confirm their suitability status, with 44 trees still to be subject to further aerial inspection surveys or dusk emergence surveys to confirm their status or complete their required visits, and 18 removed from being impacted due to design changes. These 44 trees are to be subject to further assessment during the rest of the 2026 survey season (16 July to 30 September 2026) to refine their categorisation where access allows, with the results reported in an addendum report. The results of the completed detailed aerial assessments are located in Table 4.7. Those trees where surveys remain outstanding are not included in Table 4.7.

Table 4.4 – Results of the aerial roost inspections

Confirmed PRF-I	Confirmed PRF-M	Provisional PRF-M[1]	Negligible/ None	FAR[1]
T14, T17, T18, T19, T21, T24, T44, T45, T48, T62, T67, T70, T71, T72, T74, T79, T80, T137, T138, T140, T144, T160, T188, T223, T224, T238, T253, T259, T261, T262, T267, T274, T305, T312, T321, T353, T358, T359,	T12, T13, T22, T40, T64, T65, T68, T69, T85, T139, T141, T145, T164, T181, T184, T190, T232, T257, T260, T352, T352A, T880, T890	T20, T66, T73, T142, T143, T185, T285, T287, T314, T342, T343, T371, T856, T857, T905, T988, T992	T25, T43, T241, T242, T334, T367, T576, T797, T892, T1007, T1020, T1037	T41, T42, T60, T276, T316, T319, T320, T357, T361, T362, T376, T377, T401, T975, T976, T979, T986, T1003, T1019, T1023, T1042

Confirmed PRF-I	Confirmed PRF-M	Provisional PRF-M[1]	Negligible/ None	FAR[1]
T366, T370, T403, T574, T794, T798, T854, T891, T991, T1009, T1017, T1047				
Total 50	Total 23	Total 17	Total 12	Total 21

[1] These trees were deemed unsafe to climb or could not be accessed and maintain their FAR or Provisional PRF-M classification from GLTA surveys.

Table 4.5 – Trees subject to management/removal and their current roost assessment categorisation

	Within overhead line clearance area			Within working areas outside of overhead line clearance areas[1]			
PRF categorisation	**Removed - within 21 m of centreline[2]**	**Affected managed - within 21–29 m of centreline[3]**	**Potentially affected - within 29–50 m of centreline[4]**	**Within major working areas[5]**	**Within working areas[6]**	**Within third party[7]**	**Within working areas but not likely to be removed[8]**
Confirmed PRF-I	T14, T17, T67, T72, T79, T138, T144, T188, T223, T224, T253, T262, T353, T366, T370, T403, T574, T891	T18, T24, T80, T137, T140, T261, T305, T358, T1047	T19, T21, T44, T45, T48, T62, T70, T71, T74, T160, T238, T259, T267, T274, T312, T321, T359, T991, T1009, T1017	T18	T267, T305, T794, T798, T854, T991	T261, T358, T359	T305
Confirmed PRF-M	T22, T40, T64, T68, T69, T139, T184, T190, T232, T257, T880	T141, T145, T164	T12, T13, T65, T85, T181, T260, T890	T352	T325A	T181	
Provisional PRF-I	T15, T23, T46, T47, T63, T116, T186, T187, T225, T227, T228, T229, T230, T231, T233, T234, T280, T281, T295, T306,	T3, T4, T16, T57, T61, T86, T156, T183, T189, T273, T402, T577, T625, T977, T980	T11, T52, T53, T54, T55, T56, T58, T59, T78, T134, T136, T147, T149, T150, T155, T161, T180, T182, T191, T226, T235, T236, T237,	T16, T81, T82, T240, T293, T351, T624, T664, T666, T667, T668	T155, T156, T194, T195, T196, T205, T206, T279, T294, T333, T360, T791, T884, T980, T981, T982, T989, T990, T1035	T163, T176, T177, T179, T180, T182, T183, T189, T191, T192, T194, T195, T196, T360, T603, T625, T827, T862, T1035	T30, T172, T240, T860, T873, T874, T898, T899, T900, T1039, T1041

PRF categorisation	Within overhead line clearance area			Within working areas outside of overhead line clearance areas[1]			
	Removed - within 21 m of centreline[2]	Affected managed - within 21–29 m of centreline[3]	Potentially affected - within 29–50 m of centreline[4]	Within major working areas[5]	Within working areas[6]	Within third party[7]	Within working areas but not likely to be removed[8]
	T307, T310, T327, T332, T580, T618, T626, T641, T869, T907, T972, T978, T996, T997, T1001, T1014, T1021, T1022, T1045		T239, T240, T258, T275, T277, T333, T568, T571, T583, T584, T620, T791, T870, T871, T872, T902, T971, T981, T989, T1015, T1016, T1018, T1041, T1048				
Provisional PRF-M	T73, T142, T143, T185, T285, T371	T66, T342, T343	T20, T314, T905, T992		T988, T992	T287, T343	T343, T856, T857
FAR	T357, T376, T975, T976, T979, T1003, T1023, T1042	T377, T1019	T41, T42, T60, T276, T316, T319, T320	T401	T361, T986	T361, T362	T34, T157, T347

1 Trees captured within 21 m each side of the proposed overhead centre line. Working areas have not been repeated here as they will be scheduled for removal, this section only includes trees outside of the proposed overhead line removal area which may include trees scheduled for removal or are affected/managed.

2 Trees within 21 m either side of the overhead lines which are scheduled for removal.

3 Trees within 21-29 m either side of the overhead lines which are likely to be affected and/or managed.

4 Tree within 29-50 m either side of the overhead lines which may potentially be affected.

5 This includes works access tracks, crossing protection zones, as well as scaffolding, bellmouth and compound areas and are likely to be removed, affected or managed.

PRF categorisation	Within overhead line clearance area			Within working areas outside of overhead line clearance areas[1]			
	Removed - within 21 m of centreline[2]	Affected managed - within 21–29 m of centreline[3]	Potentially affected - within 29–50 m of centreline[4]	Within major working areas[5]	Within working areas[6]	Within third party[7]	Within working areas but not likely to be removed[8]

6 This includes trees within stringing positions, access panels and species mitigation areas which have the potential to be removed, affected or managed.

7 Trees included here are those not associated with any other working areas and are within third party areas where it is unknown whether they will be removed, affected or managed.

8 This includes trees in planting mitigation areas, planting access areas, maintenance areas or within the limits of deviation.

Table 4.6 – Survey requirements

Location/vegetation management zone	Potential roost category	Survey requirements
Overhead line clearance area (trees within 21 m of centreline to be removed)1	Confirmed PRF-I	Felling under ecological watching brief.
	Provisional PRF-I	Pre-construction detailed aerial inspections or dusk emergence surveys before removal.
	Confirmed PRF-M	A total of three aerial inspections to check for bat presence/likely absence.
	Provisional PRF-M	Detailed aerial inspections or dusk emergence surveys to refine categorisation.
	Downgraded to PRF-I following aerial inspection	Felling or pruning under an ecological watching brief.
	Negligible/None	No further surveys required.
	FAR	Ground level tree assessment and detailed aerial inspections to refine categorisation. Subsequent surveys dependent on confirmed status.
Affected Managed (21–29 m from centreline)2 and Potentially Affected (29–50 m from centreline)3	Confirmed PRF-I	Felling or pruning under an ecological watching brief where works are required.
	Provisional PRF-I	Pre-construction detailed aerial inspections or dusk emergence surveys where removal or management is proposed.
	Confirmed PRF-M	A total of three aerial inspections to check for bat presence/likely absence.
	Provisional PRF-M	Aerial inspection to refine categorisation. Subsequent surveys may include dusk emergence surveys, additional aerial inspections or pre-construction surveys depending on confirmed status and climb suitability.
	FAR	Ground level tree assessment and detailed aerial inspections to refine categorisation. Subsequent surveys dependent on confirmed status.

Location/vegetation management zone	Potential roost category	Survey requirements
Major working areas4 and areas with potential removal/management outside the proposed overhead line clearance corridor5	Confirmed PRF-I	Felling or pruning under an ecological watching brief where works are required.
	Provisional PRF-I	Pre-construction detailed aerial inspections or dusk emergence surveys where removal or management is proposed.
	Confirmed PRF-M	A total of three aerial inspections to check for bat presence/likely absence.
	Provisional PRF-M	Aerial inspection to refine categorisation. Further survey effort dependent on confirmed status and climb suitability, which may include dusk surveys.
	FAR	Ground level tree assessment and detailed aerial inspections to refine categorisation. Subsequent surveys dependent on confirmed status.
Third-party working areas (uncertain removal)6	All categories	Aerial inspection carried out where required to refine categorisation. Further surveys (additional climbs, dusk emergence surveys or pre-construction surveys) implemented only where works are confirmed to the trees, and roost status requires further investigation.
Trees not anticipated to be removed or impacted7	All categories	No further surveys required as potential roost features will not be affected.

1 Trees within 21 m either side of the proposed overhead centre line which are scheduled for removal.

2 Trees within 21-29 m either side of the proposed overhead lines which are likely to be affected and/or managed.

3 Tree within 29-50 m either side of the proposed overhead lines which may potentially be affected.

4 This includes works access tracks, crossing protection zones, as well as scaffolding, bell mouth and compound areas and are likely to be removed, affected or managed.

5 This includes trees within stringing positions, access panels and species mitigation areas which have the potential to be removed, affected or managed.

6 Trees included here are those not associated with any other working areas and are within third party areas where it is unknown whether they will be removed, affected or managed.

7 This includes trees in planting mitigation areas, planting access areas, or maintenance areas.

Table 4.7 – Results of completed detailed aerial assessments for roosting bats

Tree number	Roost categorisation	Presence/absence of bat roost
T12	Confirmed PRF-M	Absent
T14	Confirmed PRF-I	Absent
T17	Confirmed PRF-I	Absent
T18	Confirmed PRF-I	Absent
T19	Confirmed PRF-I	Absent
T21	Confirmed PRF-I	Absent
T22	Confirmed PRF-M	Absent
T24	Confirmed PRF-I	Absent
T25	Negligible	Absent
T40	Confirmed PRF-M	Absent
T43	Negligible	Absent
T44	Confirmed PRF-I	Absent
T45	Confirmed PRF-I	Absent
T48	Confirmed PRF-I	Absent
T62	Confirmed PRF-I	Absent
T64	Confirmed PRF-M	Absent
T65	Confirmed PRF-M	Absent
T67	Confirmed PRF-I	Absent
T68	Confirmed PRF-M	Absent
T69	Confirmed PRF-M	Absent
T70	Confirmed PRF-I	Absent
T71	Confirmed PRF-I	Absent

Tree number	Roost categorisation	Presence/absence of bat roost
T72	Confirmed PRF-I	Absent
T74	Confirmed PRF-I	Absent
T79	Confirmed PRF-I	Absent
T80	Confirmed PRF-I	Absent
T137	Confirmed PRF-I	Absent
T138	Confirmed PRF-I	Absent
T140	Confirmed PRF-I	Absent
T144	Confirmed PRF-I	Absent
T160	Confirmed PRF-I	Absent
T164	Confirmed PRF-M	Absent
T181	Confirmed PRF-M	Absent
T184	Confirmed PRF-M	Absent
T188	Confirmed PRF-I	Absent
T190	Confirmed PRF-M	Absent
T223	Confirmed PRF-I	Absent
T224	Confirmed PRF-I	Absent
T232	Confirmed PRF-M	Absent
T238	Confirmed PRF-I	Absent
T241	Negligible	Absent
T242	Negligible	Absent
T253	Confirmed PRF-I	Absent
T257	Confirmed PRF-M	Absent
T259	Confirmed PRF-I	Absent

Tree number	Roost categorisation	Presence/absence of bat roost
T260	Confirmed PRF-M	Absent
T261	Confirmed PRF-I	Absent
T262	Confirmed PRF-I	Absent
T267	Confirmed PRF-I	Absent
T274	Confirmed PRF-I	Absent
T305	Confirmed PRF-I	Absent
T312	Confirmed PRF-I	Absent
T321	Confirmed PRF-I	Absent
T334	Negligible	Absent
T352	Confirmed PRF-M	Absent
T352A	Confirmed PRF-M	Absent
T353	Confirmed PRF-I	Absent
T358	Confirmed PRF-I	Absent
T359	Confirmed PRF-I	Absent
T366	Confirmed PRF-I	Absent
T367	Negligible	Absent
T370	Confirmed PRF-I	Absent
T403	Confirmed PRF-I	Absent
T574	Confirmed PRF-I	Absent
T576	Negligible	Absent
T794	Confirmed PRF-I	Absent
T797	Negligible	Absent
T798	Confirmed PRF-I	Absent

Tree number	Roost categorisation	Presence/absence of bat roost
T854	Confirmed PRF-I	Absent
T890	Confirmed PRF-M	Absent
T891	Confirmed PRF-I	Absent
T892	Negligible	Absent
T991	Confirmed PRF-I	Absent
T1007	None	Absent
T1009	Confirmed PRF-I	Absent
T1017	Confirmed PRF-I	Absent
T1020	None	Absent
T1037	Negligible	Absent
T1047	Confirmed PRF-I	Absent

Nature conservation value

4.2.10 In accordance with the method set out in paragraphs 3.2.20 to 3.2.23, the nature conservation value of any confirmed and potential bat roosts has been assessed with reference to conservation status, likely roost type, relative size, and the contribution of the wider roost resource.

4.2.11 No bat roosts within trees have been confirmed within the Order Limits or associated working areas during the surveys carried out between October 2023 and 15 July 2026.

4.2.12 Due to the presence of trees with suitable PRFs, including 23 confirmed PRF-M trees within potentially affected areas, alongside desk-study information confirming the presence of existing bat roosts within the Order Limits, a precautionary value of **County** level has been assigned for roosting bats within the Order Limits and wider study area.

5. Summary and evaluation

5.1 Desk-study

5.1.1 In relation to statutory designations, there are no SACs within 30 km of the Order Limits with bats as a qualifying feature, and no SSSIs within 5 km cited specifically for bats.

5.1.2 A total of 1,065 bat records were returned within 2 km of the Order Limits within the ten years preceding data receipt, comprising ten species: brown long-eared bat, common pipistrelle, soprano pipistrelle, Nathusius' pipistrelle, Daubenton's bat, Brandt's bat, whiskered bat, Leisler's bat, noctule and barbastelle, in addition to records of unidentified Myotis and pipistrelle species. Existing records for barbastelle were returned, however, these records were not in the Order Limits and barbastelle bats were not recorded during any bat activity surveys conducted for the Project between 2023 and 2025 as reported in **Application Document 6.8.A8 Appendix 8.8 Bat Activity Report**.

5.1.3 Within the Order Limits, 90 bat records were returned, including 13 confirmed roost records. Of these roost records, eight related to brown long-eared bat, two to common pipistrelle, one to soprano pipistrelle, and two to unidentified bat species. Several roost records were associated with bat boxes, while others were recorded through field observation or identified as day roosts. These data have low resolution and may not therefore actually be located within the Order Limits, just the extent of the large grid square provided overlaps by at least some amount. There were 11 granted EPSML within 2 km of the Order Limits, with none recorded within the Order Limits. Although no licensed works have been recorded within the Order Limits, desk-study records confirm the presence of roosting features that have historically supported roosting bats.

5.1.4 Many of the returned desk-study records were associated with broad grid references, limiting the ability to attribute records precisely to specific habitat features or to determine exact proximity to proposed works. Consequently, the desk-study has been used to provide landscape context and confirm species presence rather than to identify precise roosting locations.

5.2 Field surveys

5.2.1 A total of 910 trees in the survey area were subject to GLTA, between October 2023 and December 2025. A total of 589 trees during this time were identified as supporting potential roost features. Trees classified as having Negligible or None bat roost suitability were excluded from further consideration as they do not provide features suitable for roosting bats and are not reported on within this appendix.

5.2.2 Of these trees, 141 classified as provisional PRF-M or FAR from GLTA were prioritised for detailed aerial inspection to confirm the presence and suitability of roost features. Following aerial inspection, 50 trees were confirmed as PRF-I and 23 as PRF-M, while 12 trees were reclassified as Negligible PRF and excluded from further consideration. A total of 38 (FAR and provisional PRF-M) trees could not be inspected due to access or safety constraints and therefore retain their precautionary classifications assigned during the GLTA until further surveys are completed. Post design changes 18 trees

originally subject to detailed aerial assessment, now fall outside of impacted areas. These included six Negligible/none, four confirmed PRF-I and six confirmed and two provisional PRF-M trees.

5.2.3 As of 15 July 2026, no bat roosts have been located during any of the aerial inspection assessments. A total of 79 trees have been climbed enough to satisfy BCT guidance (Collins, 2023) with 44 trees still to be subject to further aerial inspection surveys or dusk emergence surveys. These 44 trees are to be subject to further assessment during the rest of the 2026 survey season (16 July to 30 September 2026) to refine their categorisation, with the results reported in an addendum report.

5.2.4 Table 5.1 below summarises the current PRF-categorisations of trees within the survey area and the total number of those which fall within potential working areas following GLTA and detailed aerial assessments.

Table 5.1 – Summary of PRF categorisation of trees within the survey area and those falling within potentially affected areas

PRF categorisation	Total number of trees within survey area	Number of trees located within affected areas
Negligible/none	339	51
Further assessment required	127	24
Provisional PRF-I	297	139
Confirmed PRF-I	54	50
Provisional PRF-M	64	17
Confirmed PRF-M	29	23

5.2.5 No confirmed bat roosts have been identified during the GLTA or aerial inspections carried out for the Project between October 2023 and 15 July 2026. However, a substantial number of trees within the Order Limits contain features suitable for roosting bats, including confirmed PRF-M trees capable of supporting multiple bats or larger roosts, and numerous PRF-I features capable of supporting individual bats or small numbers of bats.

5.2.6 Further survey requirements will be determined based on the confirmed or provisional roost potential of each tree, and the scale of vegetation management (Removed, Affected Managed, Potentially Affected). Trees within the vegetation management area of the proposed overhead line, Affected Managed areas, Major Working Areas, and other locations where removal or management may occur will be subject to additional survey effort where potential roost features are present. This may include further detailed aerial inspections, dusk emergence surveys, or pre-construction surveys depending on the roost potential category and whether the initial aerial inspection has confirmed or refined the presence of suitable features. A full breakdown of the survey requirements by roost potential category and management zone is provided in Table 4.6.

5.3 Nature conservation evaluation

5.3.1 Given the number of trees within the survey area containing confirmed and potential roost features, and recognising that further survey work remains outstanding for trees currently categorised as FAR and PRF-M, the survey area currently supports a substantial potential tree roost resource. Applying a precautionary approach while surveys remain ongoing, a precautionary value of **County** level has therefore been assigned to roosting bats associated with trees within the survey area.

5.4 Potential interactions with the project and mitigation

5.4.1 Habitats within the Order Limits support foraging and commuting activity by a range of different bat species. These habitats are also of value to roosting bats who use these features for foraging and commuting. The desk-study indicated the presence of 13 known bat roosts within the Order Limits (these data have low resolution and may not therefore actually be located within the Order Limits, just the extent of the large grid square provided overlaps by at least some amount); however, to date no confirmed roosts have been identified by field surveys conducted for the Project. Consequently, the retention, protection and appropriate management of important habitat features (particularly woodland, watercourses and linear features) will make sure that the ecological functionality of the habitats within the Order Limits for bats will be maintained in accordance with relevant wildlife legislation and planning policy. The Project ensure that commuting routes are maintained, with any removed hedgerows replaced and improved from defunct species poor hedges to intact species rich ones with on-going mitigation. Planting areas will be created to account for any habitat and tree losses across the Project, providing additional foraging, commuting and roosting habitat for bats. These are presented in **Application Document 7.8 Outline Landscape and Ecology Management Plan**.

5.4.2 All trees identified as supporting PRFs and requiring removal or direct works will be subject to appropriate pre-construction survey to confirm the presence or likely absence of roosting bats. This will include dusk emergence surveys, detailed aerial inspection and/or soft-felling under an ecological watching brief, as appropriate to the confirmed roost potential category and in accordance with current best practice guidance with survey results submitted as an addendum once completed. Where bats are confirmed to be present, works will be carried out under an EPSML, and in full compliance with licence conditions. This approach ensures that any roosts present are identified and appropriately mitigated before works commence.

5.4.3 To minimise potential impacts on bats during construction and operation of the Project, bat-sensitive lighting will be incorporated into the Project construction design. This will follow current best practice guidance (Institution of Lighting Professionals, 2021), (Institution of Lighting Professionals, 2023), avoiding unnecessary illumination of features such as tree lines, hedgerows, and watercourses used by bats. Where lighting is necessary, it will be low-level, directional, and use warm-spectrum LEDs to reduce disturbance. These measures alongside responsible habitat protection, mitigation and management aim to safeguard local bat populations and ensure the Project proceeds in accordance with relevant wildlife legislation and ecological best practice. For additional information pertaining to the mitigation of species across the Project, including bats please see **Application Document 7.3 Register of Environmental Actions and Commitments**.

5.4.4 As an enhancement measure, bat boxes will also be provided to some landowners retaining trees on their properties to allow for further bat roosting opportunities.

References

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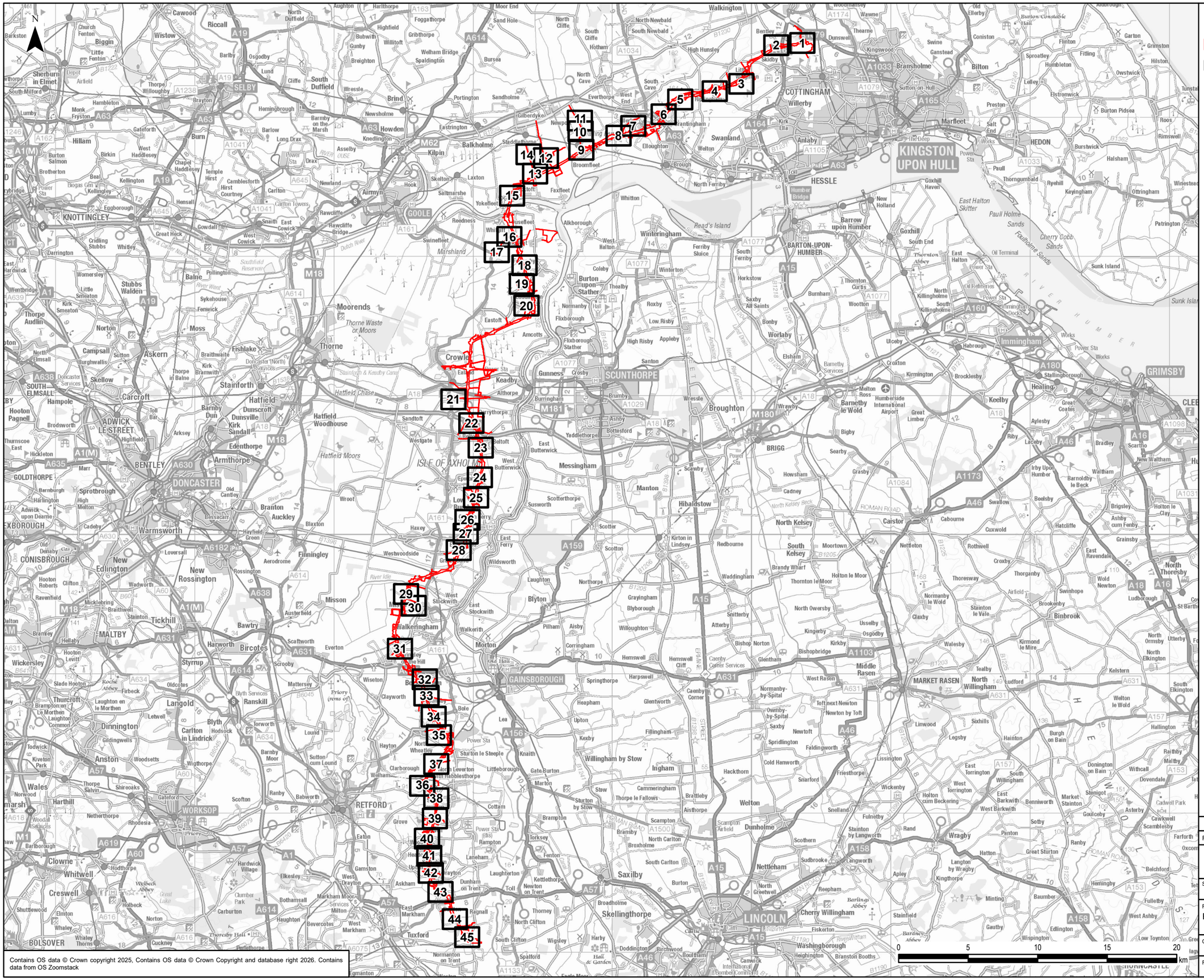
Reason, P., & Wray, S. (2025, August). *UK Bat Mitigation Guidelines: A Guide to Impact Assessment, Mitigation and Compensation for Developments Affecting Bats. Version 1.2.* Retrieved February 12, 2026, from CIEEM: https://cieem.net/wp-content/uploads/2023/09/Bat-Mitigation-Guidelines-2025-V1.2.pdf

Annex A
Figures

nationalgrid

Annex A – Figures

Figure A8.7.1 Bat Roost Inspection Locations


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KINGSTON UPON HULL
COTTINGHAM
HESSLE
BARTON-UPON-HUMBER
SCUNTHORPE
GRIMSBY
Immingham
LINCOLN
DONCASTER
RETFORD
WORKSOP
GAINSBOROUGH
MARKET RASEN
BRIGG
KNOTTINGLEY
SELBY
Humber Bridge
M18
M62
M180
M181
A1(M)
A63
A614
A15
A1077
A1105
A1084
A1173
A46
A180
A160
A16
A18
A631
A57
A1500
A1029
A1500
A1103
A1033
A1079
A1034
A1174
A1098
A1037
A1136
A1133
A6182
A6075
A1500
A1500
A1500

N

Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Existing Overhead Line

- 275 kV
- 400 kV

Project Design Details

- Indicative New Overhead Line
- Indicative New Gantry
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

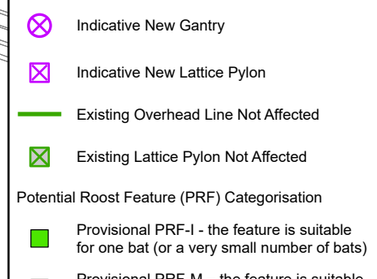
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required

T115 T116 T343 T342 T119 T120

4AF1 4AF2 4AF3 4AF4 4AF5 4AF6

4ZQ107 4ZQ108 4ZQ109 4ZQ110 4ZQ111 4ZQ112 4ZQ113

Jillywood Farm · Tennis Court · Burton Farm · Burn Park Farm · Wanless Farm · Cottingham Parks · Burn Park Cottages · Wind Turbine · Co Const & Ward Bdy · Distribution · Track · Pond · Drain · Def · ETL · FB · RH · Path (um) · 18.0m · 16.5m · 16.2m · 13.4m · 11.3m · 10.3m · 14.0m



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0 0.1 0.2 0.3 0.4 km

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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	1 OF 45	0

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N

Hornsea Belts
Track
Belts
43.5m
37.5m
West End Farm
Drain
FB
Pond
Balancing Pond
Path (um)
Low Daw Hill
Drain
Pond
Track
Drain
Path (um)
Stockiner Hole
Drain
Path (um)
Platwoods Fields
ETL
Path (um)
Path (um)
Fish Pond
Fishpond Wood
The Folly
Car Park
Gorse Plantation
Track
Folly Wood
Pond
Old Moor
Pond
DUNFLAT GATE
Pond
Cott
43.2m
53.5m
39.0m
46.8m
T324
T323
Track
51.0m
51.0m
Cycle Way
4AF9
4AF8
4AF7
Pond
Old Moor
Pond
53.4m
Def
40.2m
4AF10
Platwoods Bar
Plantation
ETL
Pond
OLDGATE (TRACK)
Def
Barns
4AF11
Def
Def
4AF12
FB
4ZQ106
ETL
Path (um)
ETL
Track
Track
Lazaat Hote
0 0.1 0.2 0.3 0.4 km

Legend

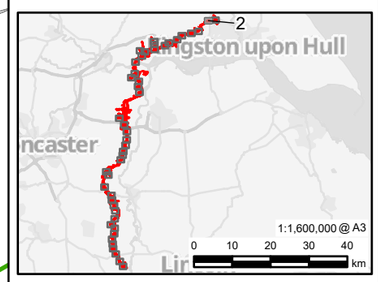
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



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N

Cowlam Farm

Track

The Dower House

Track

4AF19

4ZQ97

ETL

4ZQ96

4AF20

Track

ETL

4ZQ95

4AF21

Rush Hill

Track

4ZQ94

Bottoms Road Bridge

4AF22

RIPLINGHAM ROAD

T1059

T345

4ZQ93

T346

T347

4AF23

Def

ETL

4ZQ92

Track

Def

Track

Track

0 0.1 0.2 0.3 0.4 km

Legend

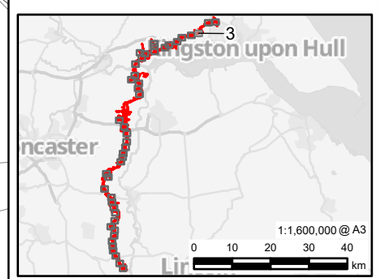
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Further Assessment Required



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N

Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Confirmed PRF-M – the feature is suitable for multiple bats
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required

T317 T152 T148 T318 T140 T145 T320 T149 T142 T137 T139 T151 T134 T141 T150 T147 T143 T254 T319 T321 T144 T135 T316 T253 T138 T136

4AF25 4ZQ90 4AF26 4ZQ89 4AF27 4ZQ88 4AF28 4ZQ87 4ZQ86

T281 T280

Socken Wood

T152 T148 T151 T318 T319 T320 T141 T134 T145 T150 T149 T147 T139 T143 T144 T321 T140 T137 T138 T142 4AF25

Kingston upon Hull

1:1,600,000 @ A3

0 10 20 30 40 km

0 10 20 30 40 m

0 0.1 0.2 0.3 0.4 km

Rev	Date	Description	GIS	Chk	App
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nationalgrid

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Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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N

Cave Wold

Great Wold

Mount Airy

The Warren

Brantingham Wold

Long Wold

Brantingham Dale Plantation

Brantingham

Waltham's Wold

Fox Covert Farm

Ellerker North Wold

Far Wold

DALE ROAD

Track

Path (um)

Def

ETL

144.2m

134.7m

108.8m

98.5m

79.2m

66.4m

4AF32

4AF33

4AF34

4AF35

4AF36

4AF37

4ZQ80

4ZQ81

4ZQ82

4ZQ79A

4ZQ79B

T1

T2

T3

T4

T5

T6

T7

T8

T9

T81

T82

T84

T85

T86

T87

T88

T89

0 0.1 0.2 0.3 0.4 km

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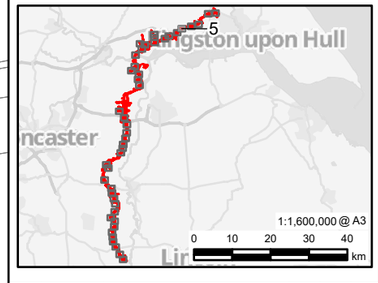
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Existing Lattice Pylon Not Affected
- Existing Lattice Pylon To Be Modified

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Confirmed PRF-M – the feature is suitable for multiple bats
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



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Scheme: NORTH HUMBER TO HIGH MARNHAM

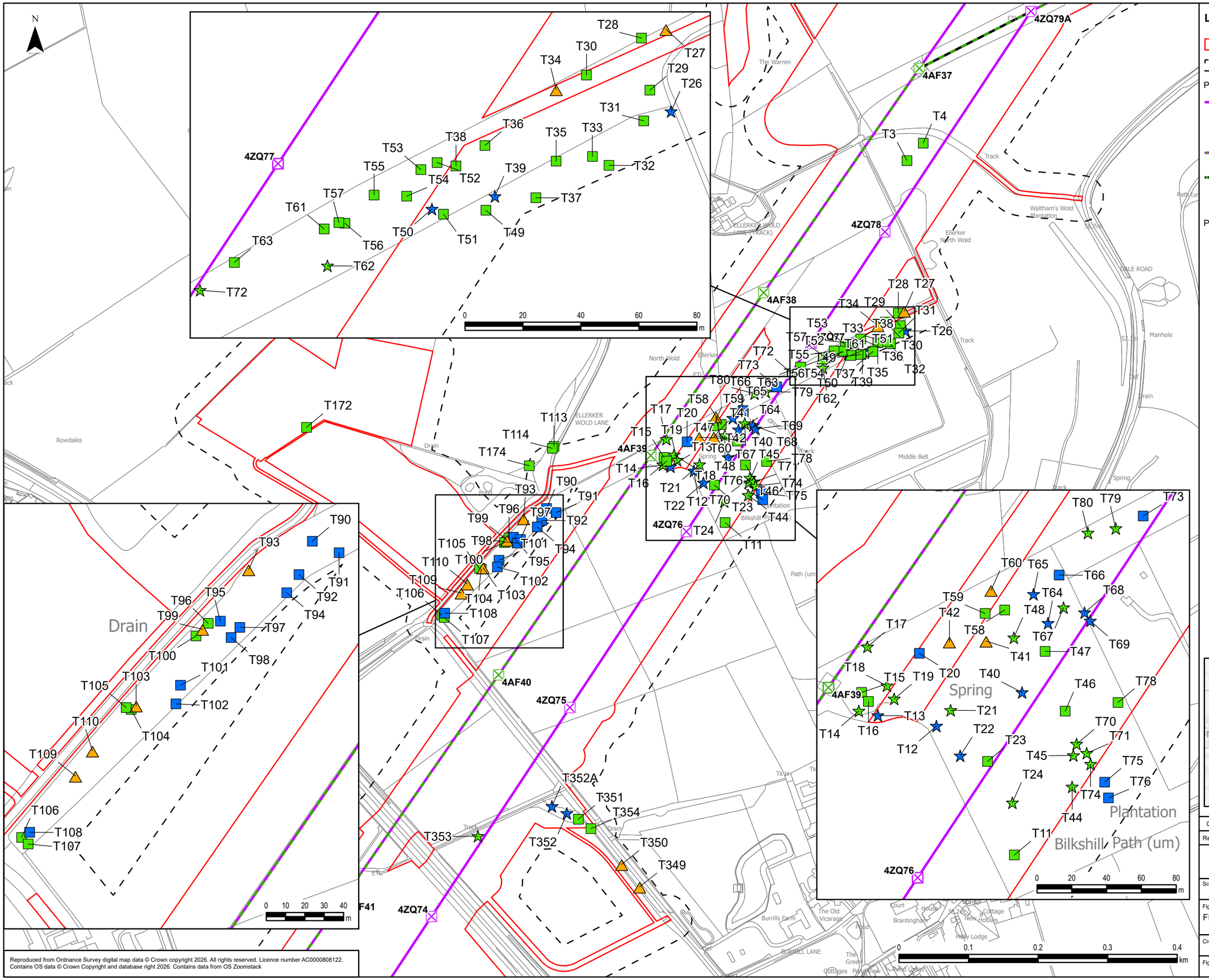
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Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Existing Lattice Pylon To Be Modified

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Confirmed PRF-M – the feature is suitable for multiple bats
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required

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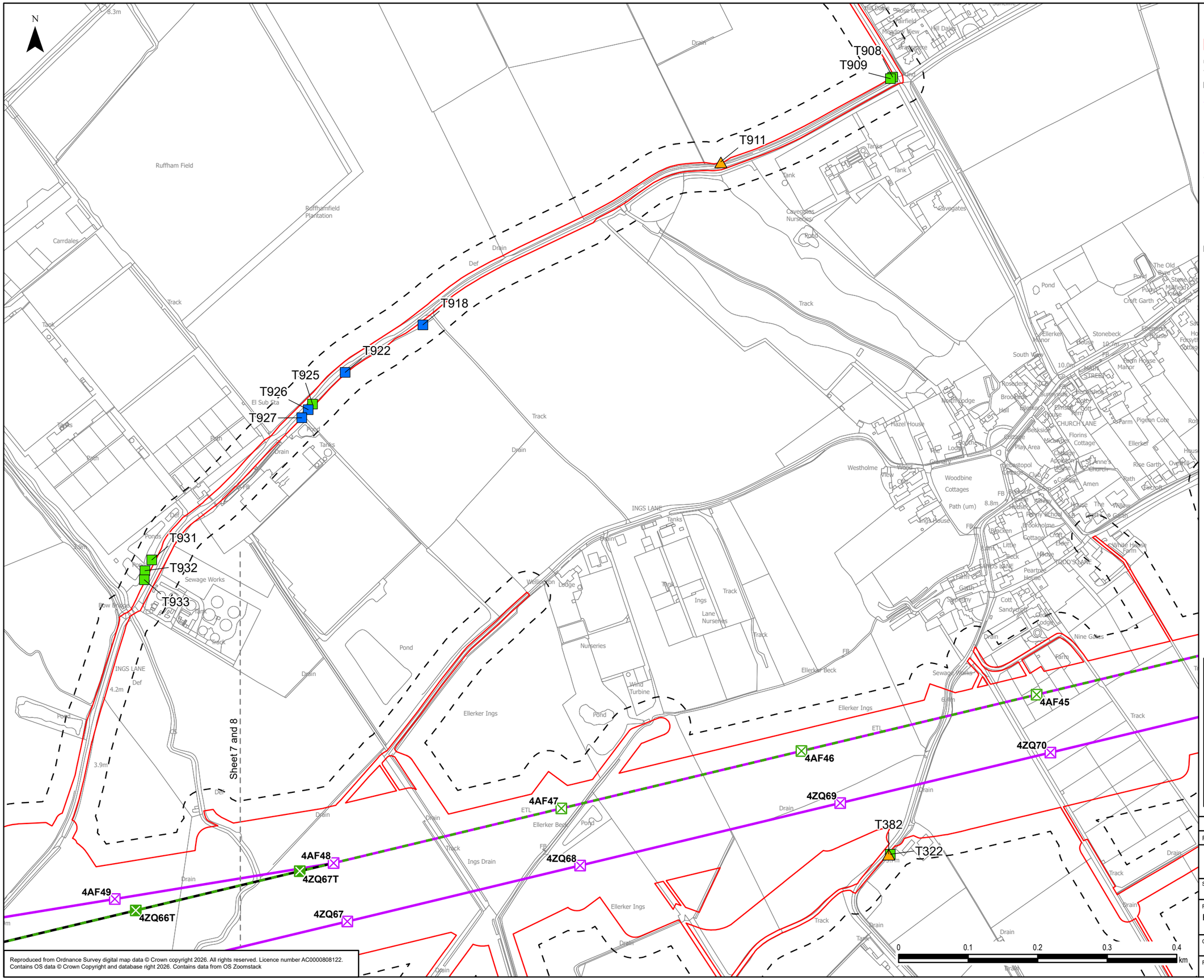
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title:
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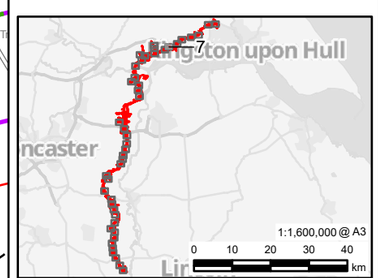
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Existing Lattice Pylon To Be Modified
- Existing Lattice Pylon To Be Removed

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



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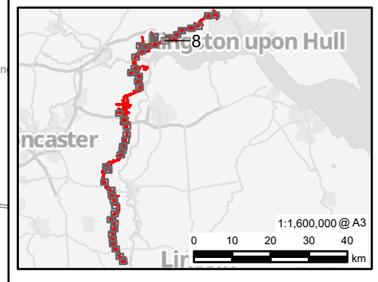
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
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- Existing Lattice Pylon To Be Removed

Potential Roost Feature (PRF) Categorisation

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- Further Assessment Required



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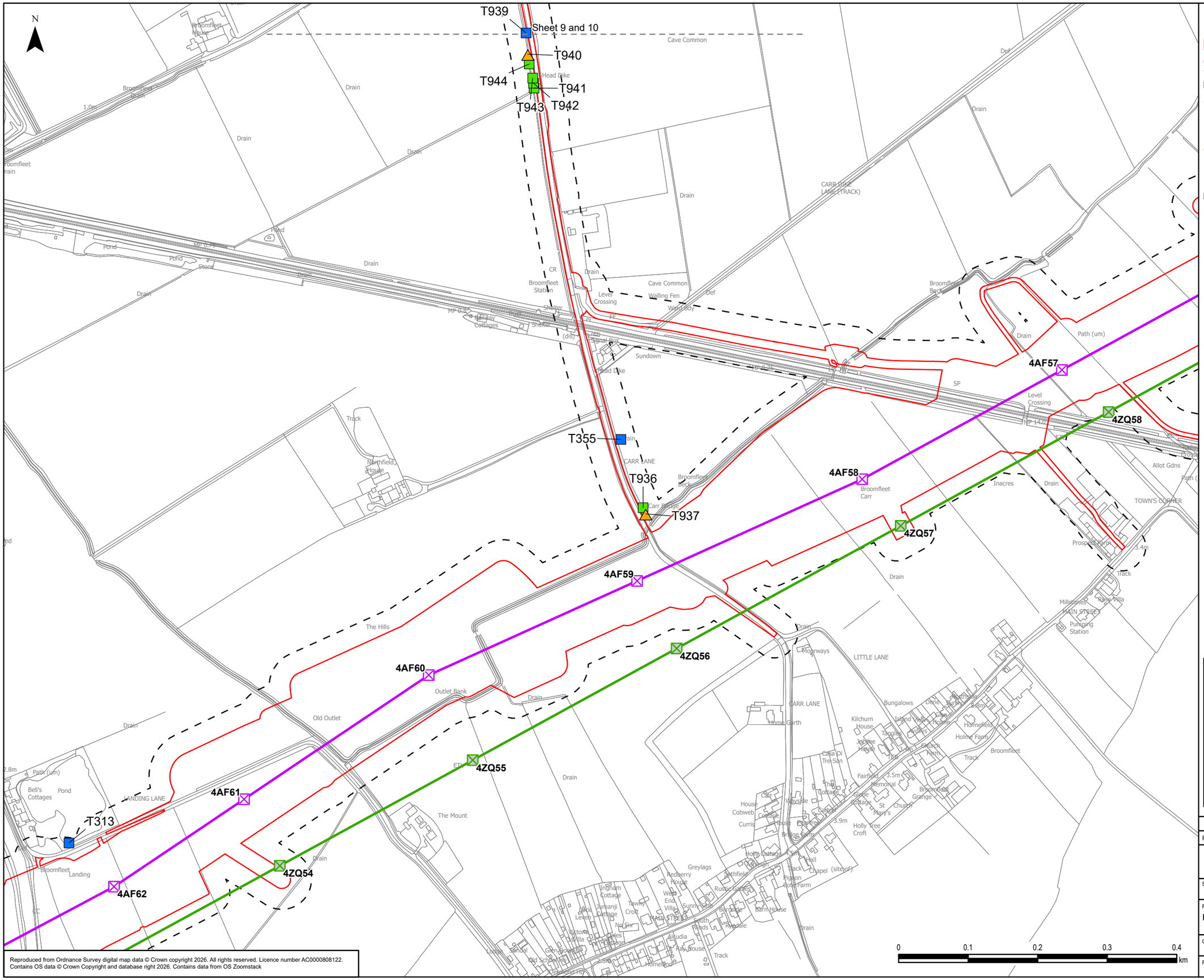
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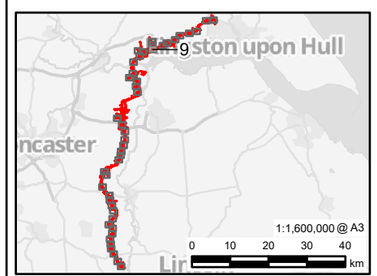
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
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N

T965
T964
T962
T958
T957
T955
T954
T953
T951
T950
T948
T947
T946
T949
T945
T939

Sheet 10 and 11
Sheet 9 and 10

Walling Fen
Drain
Ploughfurrow Drain
LANDING LANE
Fenland Lodge
Und
Cleggikes Drain
Track
Common Road
Skelton Grange
DRAIN BANK (TRACK)
Def
Cleggikes Bridge
White House Farm
Stables
Pond
Laxton Lodge
Weeping Willows
Ward Bdy
CR
Granges Farm
Cave Common
2.5m
2.4m
2.1m
2.8m
2.0m
1.7m
1.2m
1.9m
1.2m
El Ps
ETL

0 0.1 0.2 0.3 0.4 km

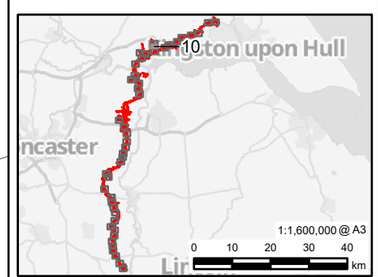
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Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
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N

T966

T965

T964

T962

T958

T957

Sheet 10 and 11

Walling Fen

Saltmarsh Grange

WALLINGFEN LANE

Wallingfen Grange

Elm Tree Farm

Skelfleet Drain

COMMON LANE (TRACK)

LAMB LANE (TRACK)

COLLINSON LANE (TRACK)

DRAIN BANK (TRACK)

LANDING LANE

Cleadike Bridge

Cleadike Drain

Ploughfurrow Drain

Fen and Lodge

White House Farm

Stables

Skeldyke Grange

Hogdam Drain

Ward Bank

Pond

Track

ETL

Def

CD

Und

2.3m

2.5m

2.4m

2.1m

3.3m

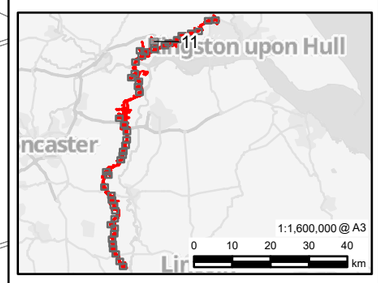
0 0.1 0.2 0.3 0.4 km

Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



Rev	Date	Description	GIS	Chk	App
0	12/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	11 OF 45	0

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N

T853
T851
T850
T849
T848

Pond
Drain
TONGUE LANE
2.0m
FB
Stone
2.7m
3.2m
1.9m
Track
Scalby Warping Drain
Factory
Tank
L Twr
Warping Drain
North Hall
Ponds
Pond
Sheet 12 and 14
Sheet 12 and 13
Far Drain or Bishopsoil Drain

0 0.1 0.2 0.3 0.4 km

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Legend

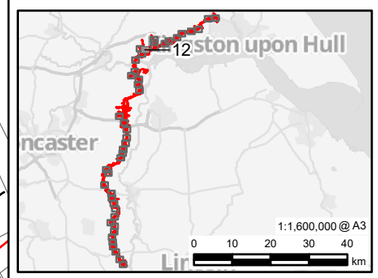
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Existing Overhead Line Not Affected

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



Rev	Date	Description	GIS	Chk	App
0	12/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	12 OF 45	0

Document Path: L:\ENV\Humber Trent Green GIS\02_Maps\ES\CH8_Ecology\NHHM_ES_ECO_App8.7.1_BatTrees_20260219.aprx

N

Sheet 12 and 13

T835
T834
T832
T830
T827
T829
T828
T314
T315

4AF68
4AF69
4AF70
4AF71
4AF72

4ZQ47
4ZQ46
4ZQ45
4ZQ44

Pond
Amsterdam Drain
Drain
3.1m
2.4m
2.1m
3.5m
Track
Sewage Works
Far Drain or Bishopsoil Drain
Staddlethorpe House
North Farm
Waysides Cottage
Staddlethorpe
The Low Inn
The Granary
The Granary Barn
The Gallery
Farm House
Garden Cottage
Cornmill Barn
Blacktoft Warping Drain
ETL
Layby
2.0m

Legend

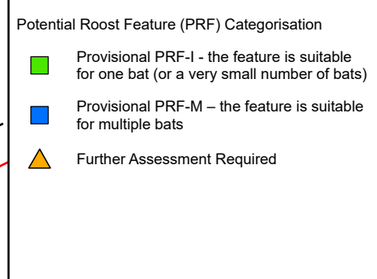
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



0 0.1 0.2 0.3 0.4 km

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0	12/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

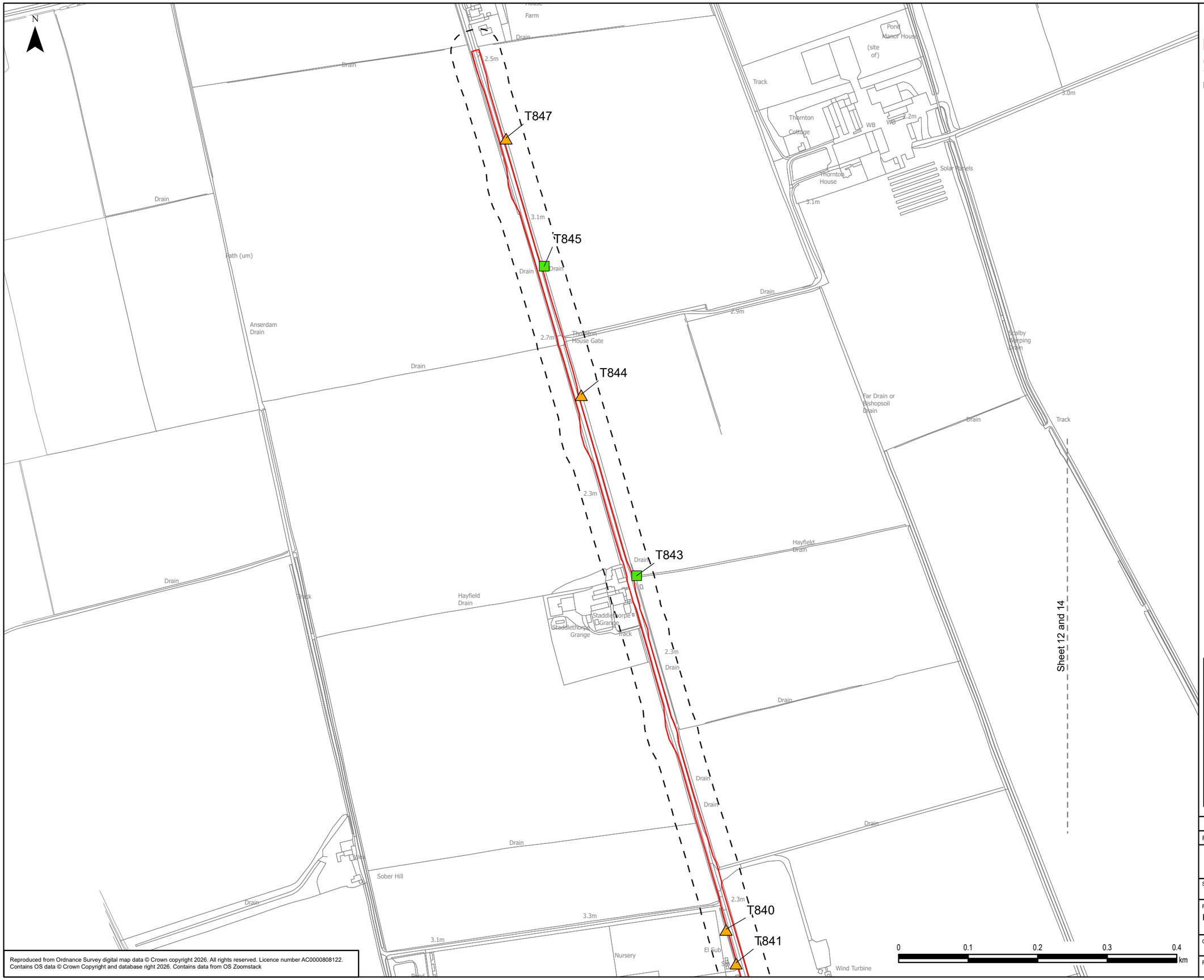
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	13 OF 45	0

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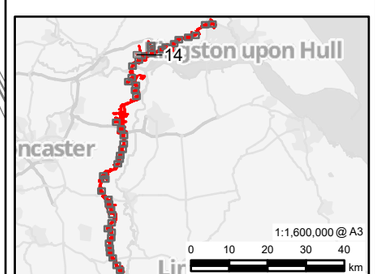


Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	14 OF 45	0

Document Path: L:\ENV\Humber Trent Green GIS\02_Maps\ES\CH8_Ecology\NHHM_ES_ECO_App8.7.1_BatTrees_20260219.aprx

N

4AF74
4ZQ42
4ZQ41
4AF75
4ZQ40
4AF76
T127
4ZQ39
T124
4ZQ38
4AF77
Route Section A
Route Section B

OLD LANE
FIELDWELL LANE (TRACK)
BLACKTOFT LANE
HUTCH LANE
Yokefleet Hall
Home Farm
Council Houses
Ella Farm
Stable Yard
House
Garth Cottages
Cottages
Ella Cottages
The Mook
West Lodge
Yokefleet Hall (site of)
Wind Pump (dismantled)
Pond
Yokefleet Drain
Hall Garth
Hall
Post
Bay Lodge
Clough
Sluice
Stone
Hall Garth
Hall Stath
Landing Stage
Navigation Light (Flashing White)
Bellasize Clough
River Ouse
Ward Bdy
Def
Drains
Mud
Sloping masonry
Posts
Mean High Water
Path (um)
Track
Drain
ETL
3.1m
3.6m
SM

0 0.1 0.2 0.3 0.4 km

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Legend

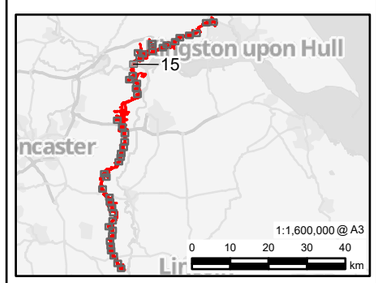
- Order Limits
- 30 m Survey Area from the Order Limits
- Route Section

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Further Assessment Required



Rev	Date	Description	GIS	Chk	App
0	12/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
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N

Long Marsh

Chapel Field

Long Marsh

Drain

Drain

Soil Bank Drain

Track

Drain

Black Plantation

Drain

Drain

Broadlane Bridge

1.5m

Drain

Broad Lane Drain

Drain

Track

Broad Lane Drain

2.0m

1.3m

1.4m

1.9m

Drain

Nursery Plump

Pentlands Dike

Stripe Close Plantation

Sheet 16 and 17

1.8m

Broad Lane Drain

Track

T636

2.1m

Drain

MARROW LANE

1.8m

Broadlane Gate

Longdike Bank

Track

Drain

Pentlands Dike

Drain

Drain

Drain

Pentlands Dike

A.F.L.

Drain

Pentlands

Drain

Drain

Drain

Drain

WESTFIELD LANE (TRACK)

4AF83

4ZQ32

4ZQ31

4AF84

T703

4ZQ30

4AF85

4ZQ29

4AF86

0 0.1 0.2 0.3 0.4 km

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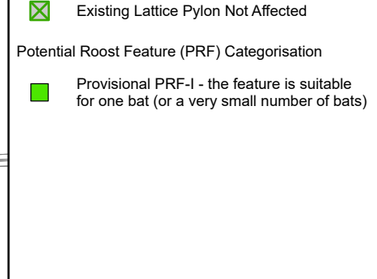
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)



Rev	Date	Description			
0	12/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	16 OF 45	0

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N

Sheet 16 and 17

T636
T656
T664
T666
T667
T668
T678
T677
T619
T599
T287
T601
T603

Drain
Boynton Closes
Moxon Close
Moxon Close Drain
Pond
Ponds
Track
1.5m
1.9m
Nursery Pump
Pentlands Dike
Stripe Close Plantation
Broad Lane Drain
2.0m
BROAD LANE (TRACK)
Obstruct Hall Lodge
1.2m
Cross (site of)
Bracken Hill
Stonecross Closes
Stonecross Drain
Cowlane Drain
A165
Co Const, UA & C Bdy

0 0.1 0.2 0.3 0.4 km

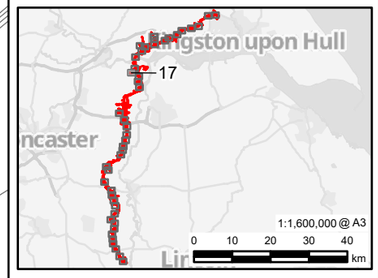
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Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats



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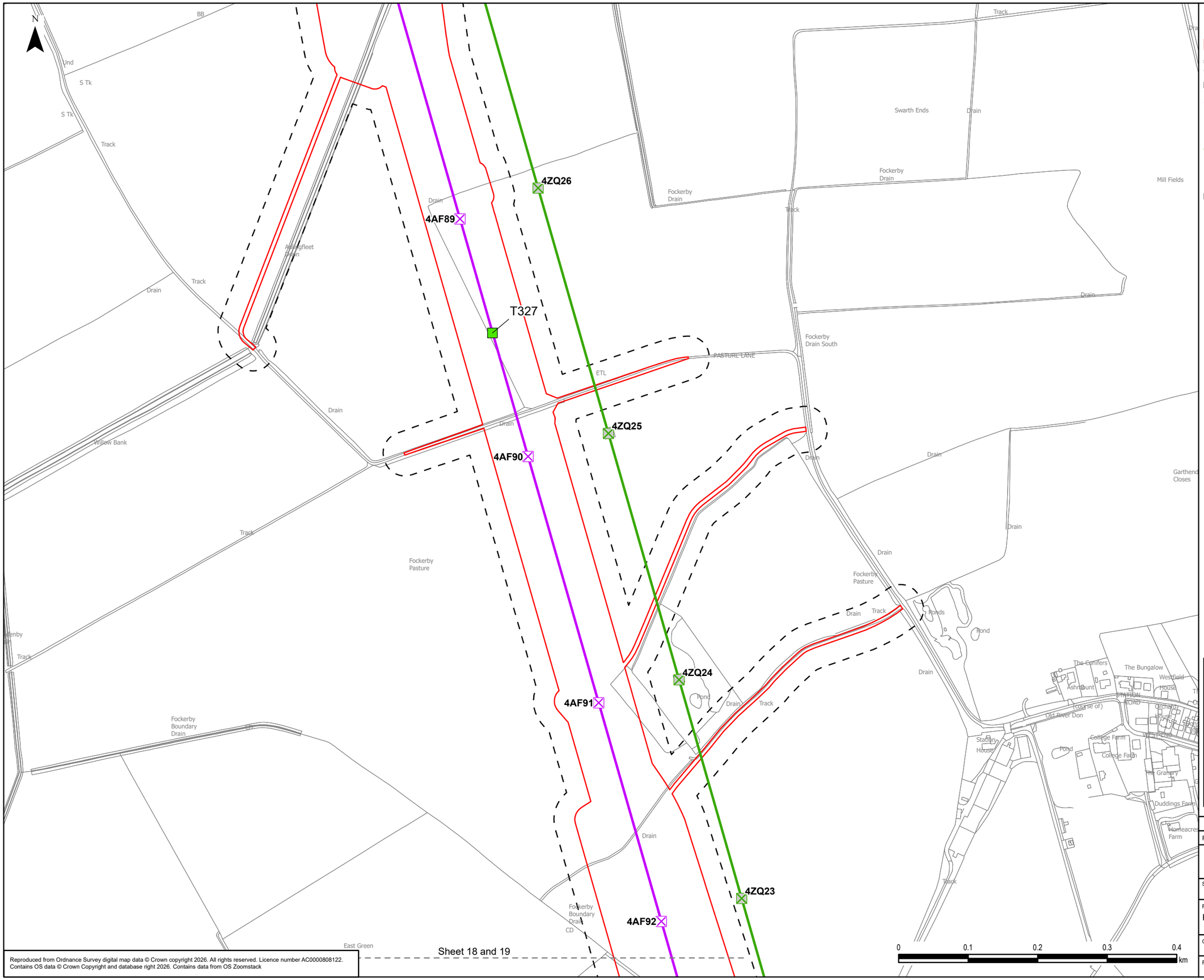
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
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Sheet 18 and 19

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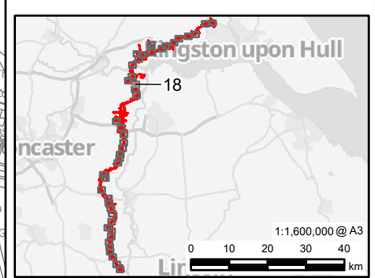
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)



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0	12/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

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Scheme: NORTH HUMBER TO HIGH MARNHAM

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ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

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A8.7.1	1:5,000	A3	18 OF 45	0

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N

Sheet 18 and 19

East Green

Legend

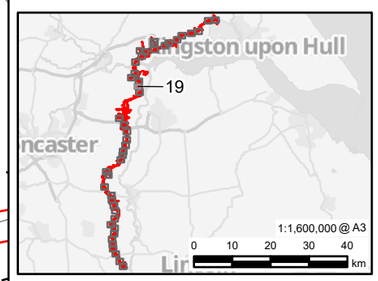
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



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nationalgrid

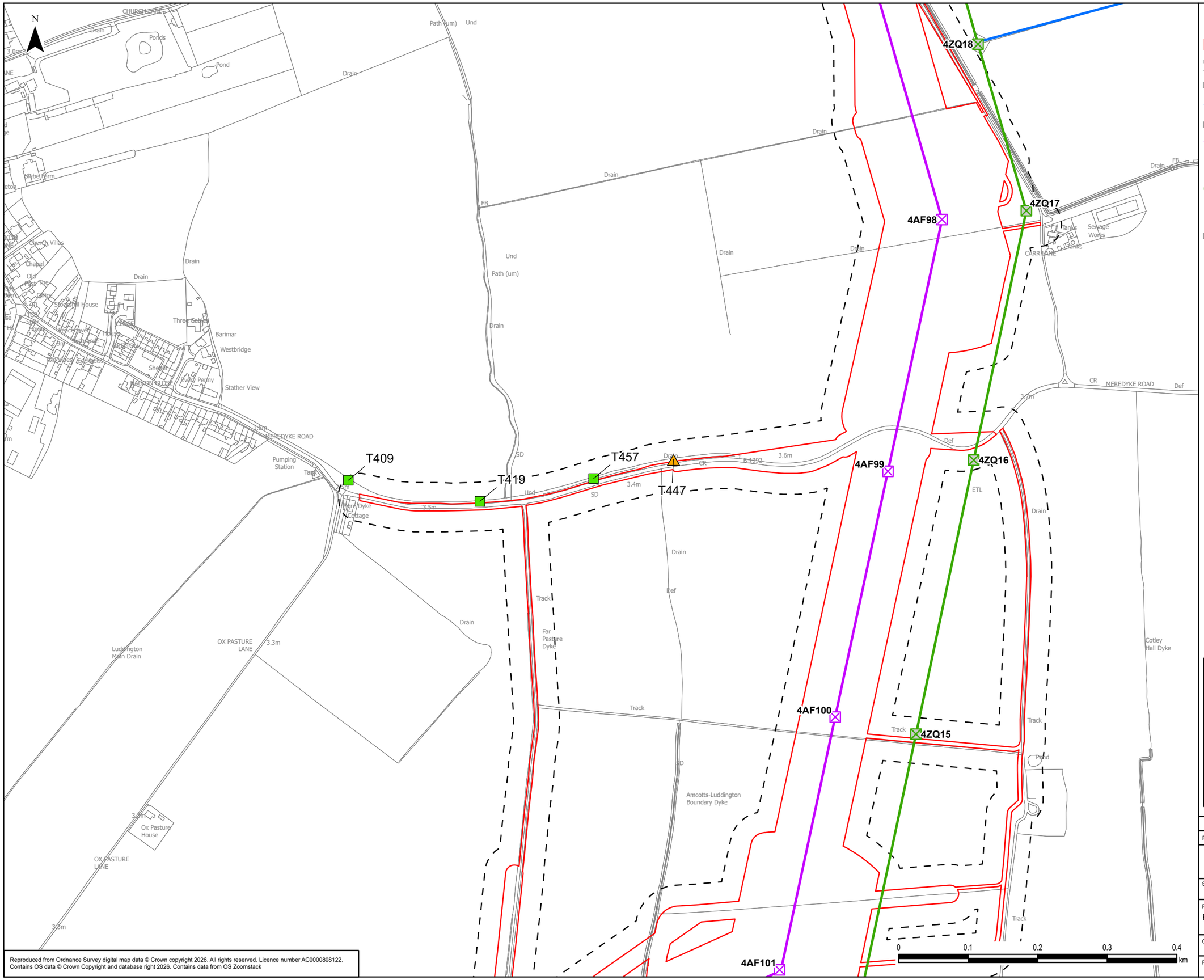
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	19 OF 45	0

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Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Existing Overhead Line

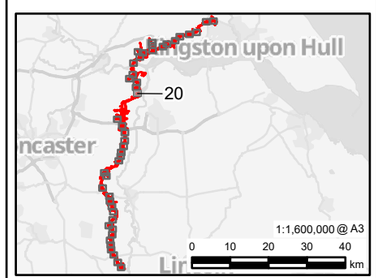
- 400 kV

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Lattice Pylon Not Affected

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



Rev	Date	Description			
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

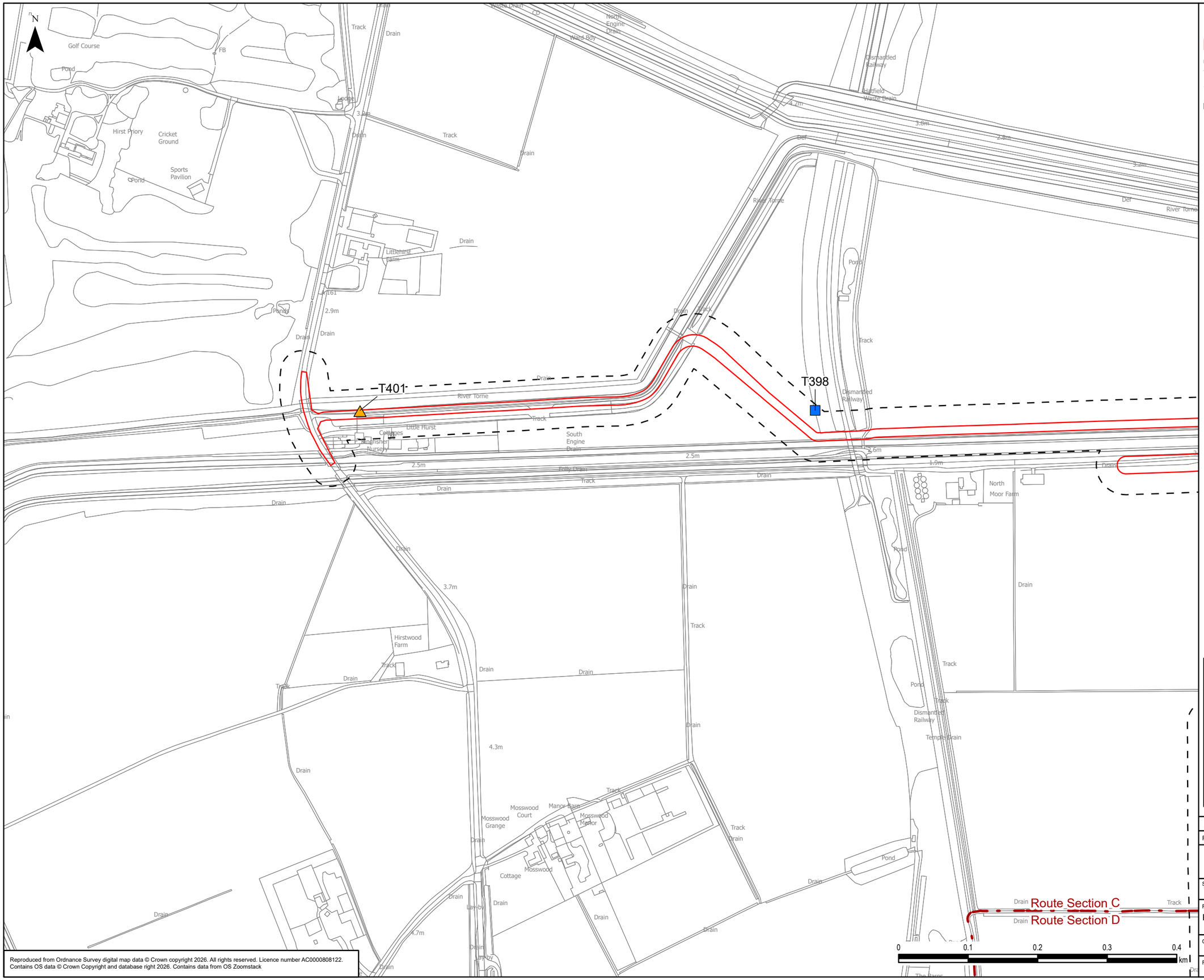
Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

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N
T401
T398
Route Section C
Route Section D
Golf Course
Pond
FB
Hirst Priory
Cricket Ground
Sports Pavilion
Pond
Track
Drain
Ward Bdy
North Engine Drain
Dismantled Railway
Hatfield Waste Drain
River Torne
Littlehirst Farm
Pond
Pond
Track
Drain
Drain
Drain
Drain
Track
Drain
Track
Drain
Drain
Drain
Drain

N

STEALGOOSE LANE (TRACK)

Temple Drain

Three Cocked Hat Wood

M 180

Track

North Moor Drain

Drain

Plantation

Dog House

Track

Skiptons Drain

Pond

Reservoir

Dixon Wood

Mill Hill Wood

Ruins

Obelisk

Mill Hill

Armshore Bridge

FB

Track

4AF130

4AF131

4AF132

4AF133

T733

T330

T329

T751

T735

T785

T780

T754

T749

T782

T756

T741

T788

T753

T752

T743

T761

T744

T781

T750

T783

T742

T748

T759

T755

T763

T791

T794

T803

T798

T777

T778

T815

T814

T761

T751

T741

T754

T735

T780

T742

T752

T740

T782

T785

T750

T748

T753

T744

T781

T783

T788

T749

T743

T756

T759

T755

T763

0 10 20 30 40 m

0 0.1 0.2 0.3 0.4 km

Legend

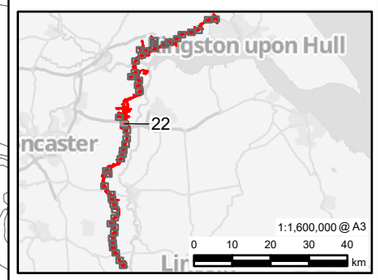
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

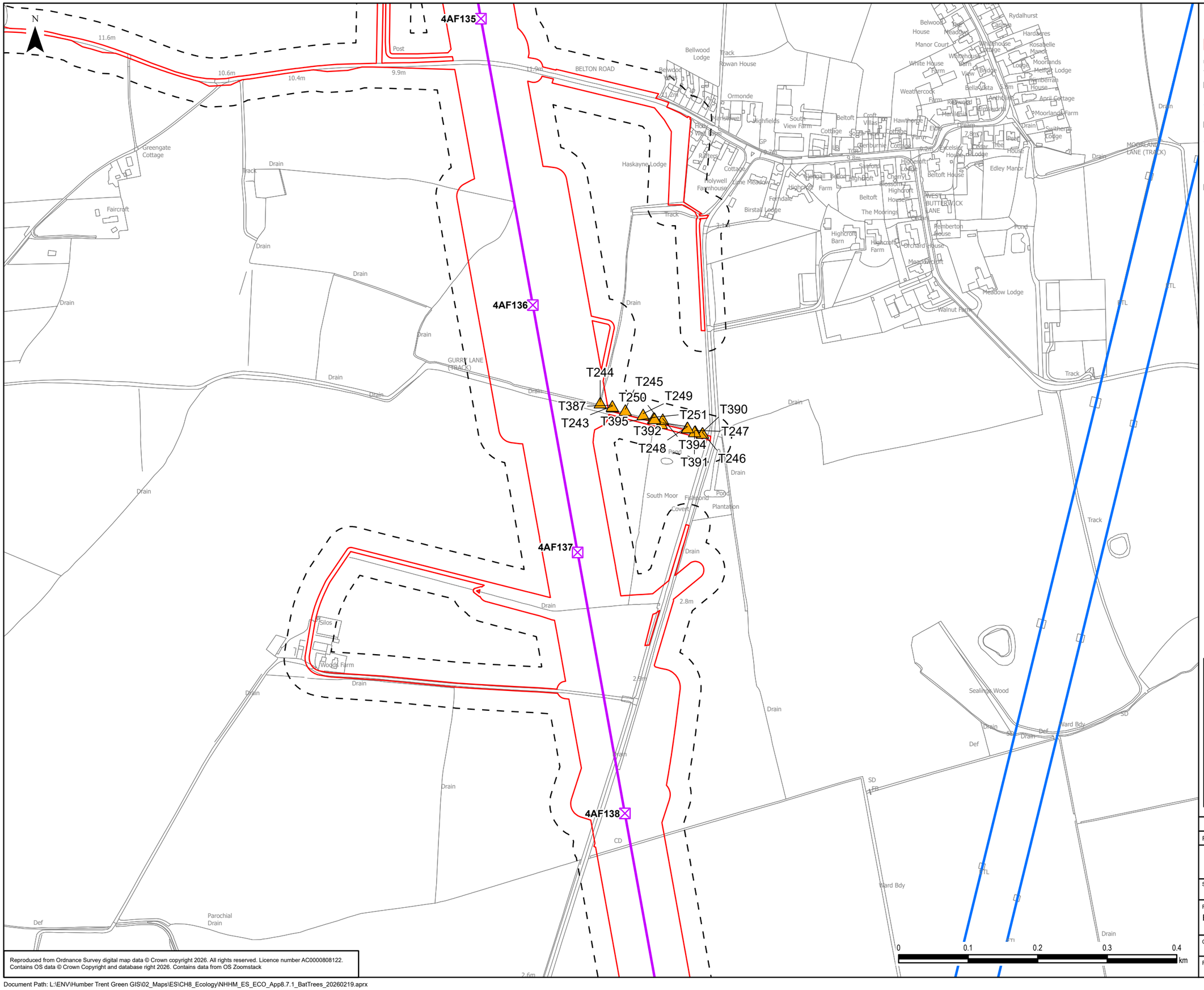
Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

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A8.7.1	1:5,000	A3	22 OF 45	0

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Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Existing Overhead Line

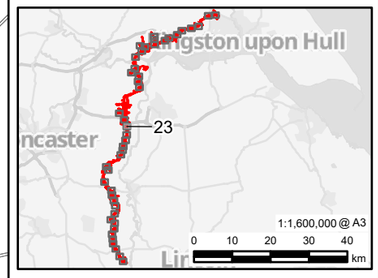
- 400 kV

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Further Assessment Required



Rev	Date	Description	GIS	Chk	App
0	12/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

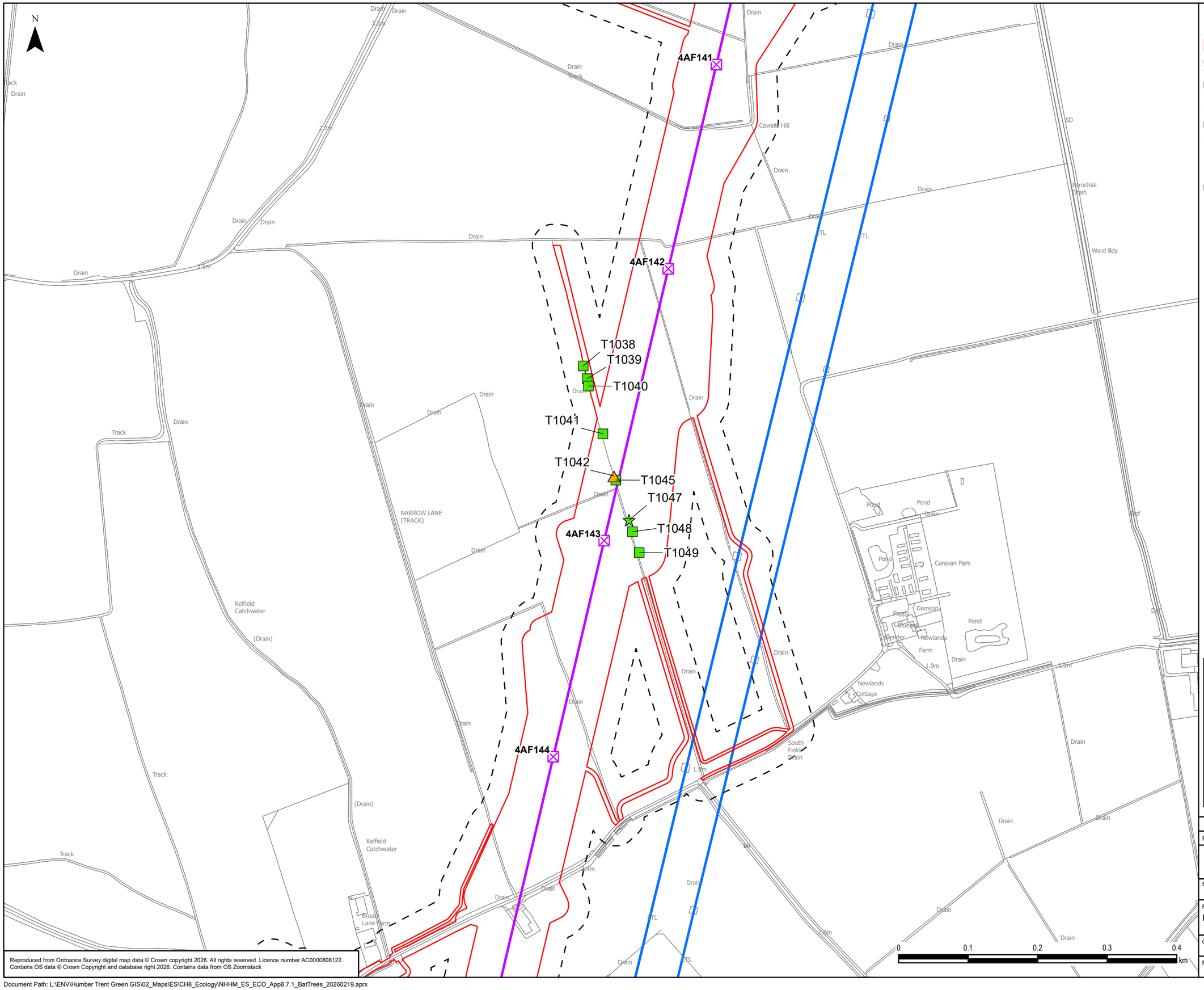
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	23 OF 45	0

Document Path: L:\ENV\Humber Trent Green GIS\02_Maps\ES\CH8_Ecology\NHHM_ES_ECO_App8.7.1_BatTrees_20260219.aprx



Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Existing Overhead Line

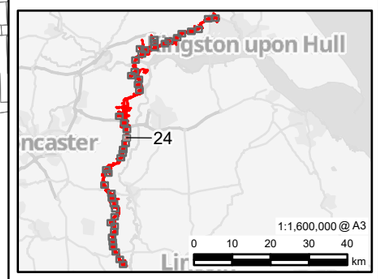
- 400 kV

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



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0	12/10/2026	ENVIRONMENTAL STATEMENT	ID	JG	NL

nationalgrid

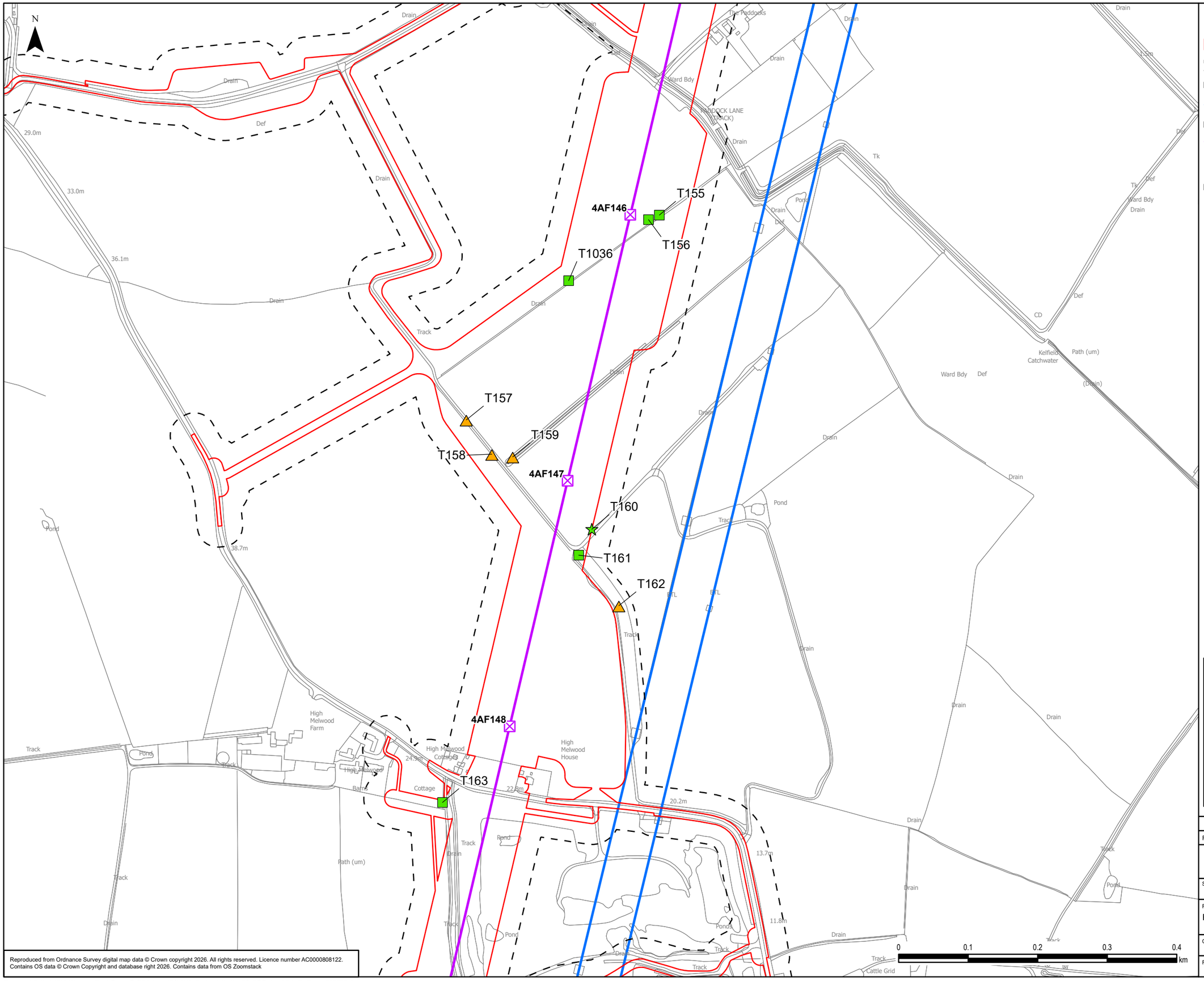
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	24 OF 45	0

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Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Existing Overhead Line

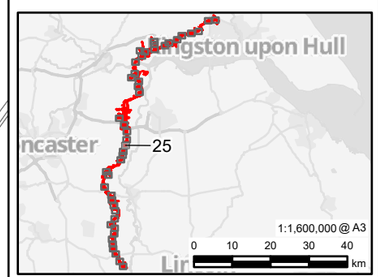
- 400 kV

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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N

4AF150
4AF151
4AF152
4AF153
T164
T255
T165
T1057

Sheet 26 and 27

0 0.1 0.2 0.3 0.4 km

Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Existing Overhead Line

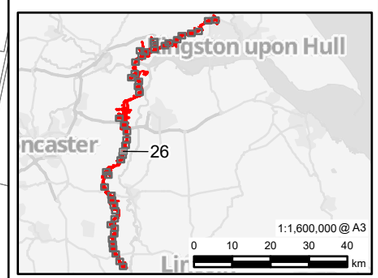
- 400 kV

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-M – the feature is suitable for multiple bats
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	26 OF 45	0

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N

4AF153

4AF154

4AF155

4AF156

T284

Sheet 26 and 27

Sheet 27 and 28

LOW HALL ROAD

Addy's Wood

Low Hall Farm

Evergreen

Redmere

Hill Crest

Hillcrest Farm

Bungalow

New

EAST LOUND ROAD

The Cottage

Rose Cottage

Mystic Flight

Orchard House

Stone Crop

Farm

The Paddock

Woodcotes

FIELDS

The Glasshouse

South View

New Orchard

Hill View

The Hollies

Fieldside

Wakefield Farm

The Barn

Barn

Havian Lea

Low Paddock

The Holt

Pine Lodge

The Bramleys

Wakefield Lodge

Karphi

Magdalenes

Kirkton

Vendcroft

Gate

Cottage

The Paddock

Sewage

Pond

The Meadows

CARR LANE

Elsinore

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Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Existing Overhead Line

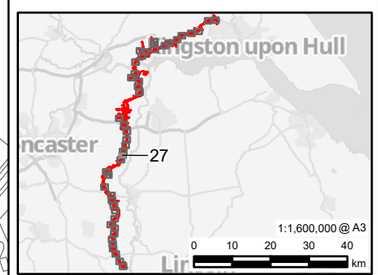
- 400 kV

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)



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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	27 OF 45	0

0 0.1 0.2 0.3 0.4 km

Document Path: L:\ENV\Humber Trent Green GIS\02_Maps\ES\CH8_Ecology\NHHM_ES_ECO_App8.7.1_BatTrees_20260219.aprx

N

Sheet 27 and 28

4AF156

4AF157

4AF158

4AF159

4AF160

T286 T1035 T196 T194 T193 T195 T192 T191 T189 T188 T190 T187 T184 T183 T185 T181 T186 T182 T177 T180 T176 T179 T178

T285

T286 T1035 T195 T194 T191 T189 T188 T193 T186 T185 T181 T177 T196 T192 T184 T183 T176 T187 T180 T190 T179 T182 T178

T1026

T1034

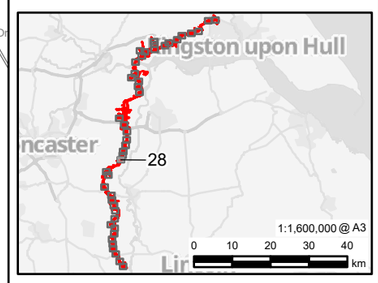
0 10 20 30 40 m

0 0.1 0.2 0.3 0.4 km

Drain Pond Track Def Ponds The Meadows CARR LANE Catherine Syke Drain Lound Road Drain Lound Rates Drain Doncaster Road Drain Paunch Drain Loundrates Farm Kennels Silo Owston Grange OWSTON FERRY ROAD Catchwater Drain Warping Drain Rosa Hill

Legend

- Order Limits
- 30 m Survey Area from the Order Limits
- Existing Overhead Line
- 400 kV
- Project Design Details
- Indicative New Overhead Line
- Indicative New Lattice Pylon
- Potential Roost Feature (PRF) Categorisation
- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Confirmed PRF-M – the feature is suitable for multiple bats
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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A8.7.1	1:5,000	A3	28 OF 45	0

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N

Route Section D
Route Section E

4AF172
4AF173
4AF174
4AF175

T1001
T1003
T1011
T1009
T854
T855
T1014
T856
T857

Sheet 29 and 30

CORNLEY ROAD
DEBDHILL ROAD (TRACK)
Debd Hill
Cornley Farm
Cornley
Misterton Carr
Carr Ings Drain
Dismantled Railway
Barrier Bank
Mother Drain
Ponds
Track
Pond
Drain
Red House
Cornley Carr Drain

Legend

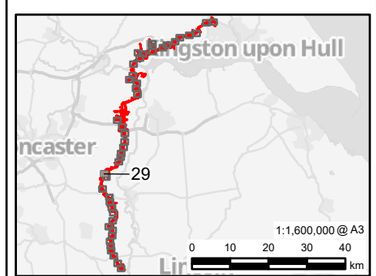
- Order Limits
- 30 m Survey Area from the Order Limits
- Route Section

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



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Scheme: NORTH HUMBER TO HIGH MARNHAM

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A8.7.1	1:5,000	A3	29 OF 45	0

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N

T854

T855

4AF174

4AF175

4AF176

T1014

T856

T857

T858

T859

Sheet 29 and 30

CORNLEY ROAD

DEBDHILL ROAD

CATTLE ROAD

MINSTER ROAD

CRINGLEY ROAD

HAXEY ROAD

CHURCH LANE

MARK LANE

Misterton Carr

Carr Ings Drain

Sandholes Drain

Horse Close Drain

Drain

Red House

Town End Farm

New Cemetery

White House Farm

Ponds

Pond

WATERSIDE ORCHARD

Cooper's Bridge

Chesterfield Canal

14.9m

0 0.1 0.2 0.3 0.4 km

Legend

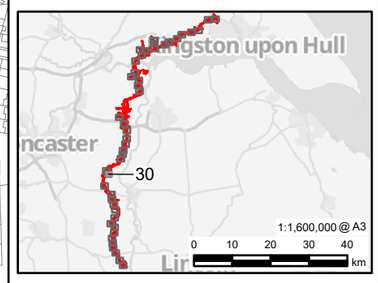
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats



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Scheme: NORTH HUMBER TO HIGH MARNHAM

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A8.7.1	1:5,000	A3	30 OF 45	0

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N

T860
T824
T825
T861
4AF184
4AF185
4AF186
4AF187
4AF188
T372
T371
T370

Wooden Beck
Ward Bdy
Def
Drain
Chesterfield Canal
Solar Panels
Dunstan Farm
SHAW ROAD
Shaw Bridge
Lowfield Farm
Highfield Farm
Cottage
Pond
Track
Sports Court
Path (um)
Sports Pavilion
SUNNY BANK GARDENS
Bradgate
WALKERINGHAM ROAD
Issues
Spring
CS
GP
15.5m
17.1m
17.8m
15.9m
22.9m
30.1m
39.4m
24.9m
23.2m
21.7m
22.9m
43.6m

0 0.1 0.2 0.3 0.4 km

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Legend

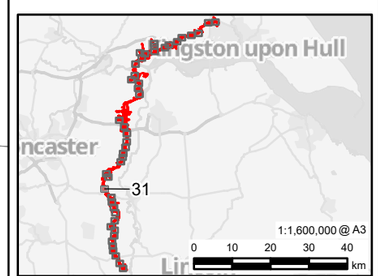
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats



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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	31 OF 45	0

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N

T289
T290
4AF192
4AF193
4AF194
4AF195
T1015
T1016
T1021
T1018
T1022
T1017
T1019
T1023
T1025
T325
T337
T336
T335
T332
T333
T739
T737
T738
T732
T731
T730
T734
T819
T818
T816
Sheet 32 and 33

A631
MUTTON LANE
Track
Drain
Oil Well
Oil Wells
Bore Holes
Pond
Pear Tree Farm (Ruins)
Pear Tree Hill
Sandyfurze Farm
Sandy-Furze
Bungalow
Lay-by
Kennels
Orchards
Tank
South Sandy-Furze Farm
Ash Lea
Mingulay
The Mount
Moor Close Cottage
Silo
Wood Farm
Wood Farm Bungalow
Tong's Wood
Dogholes Wood
FB

44.8m
39.4m
34.6m
33.0m
39.1m
39.5m
37.3m
33.1m
34.4m
32.8m
28.5m
26.9m
28.2m
24.9m
28.6m
25.5m

0 0.1 0.2 0.3 0.4 km

Legend

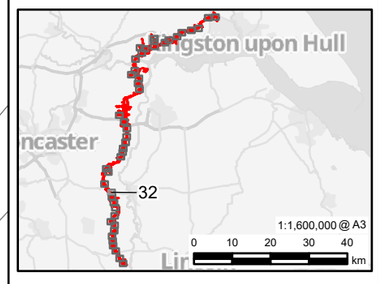
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



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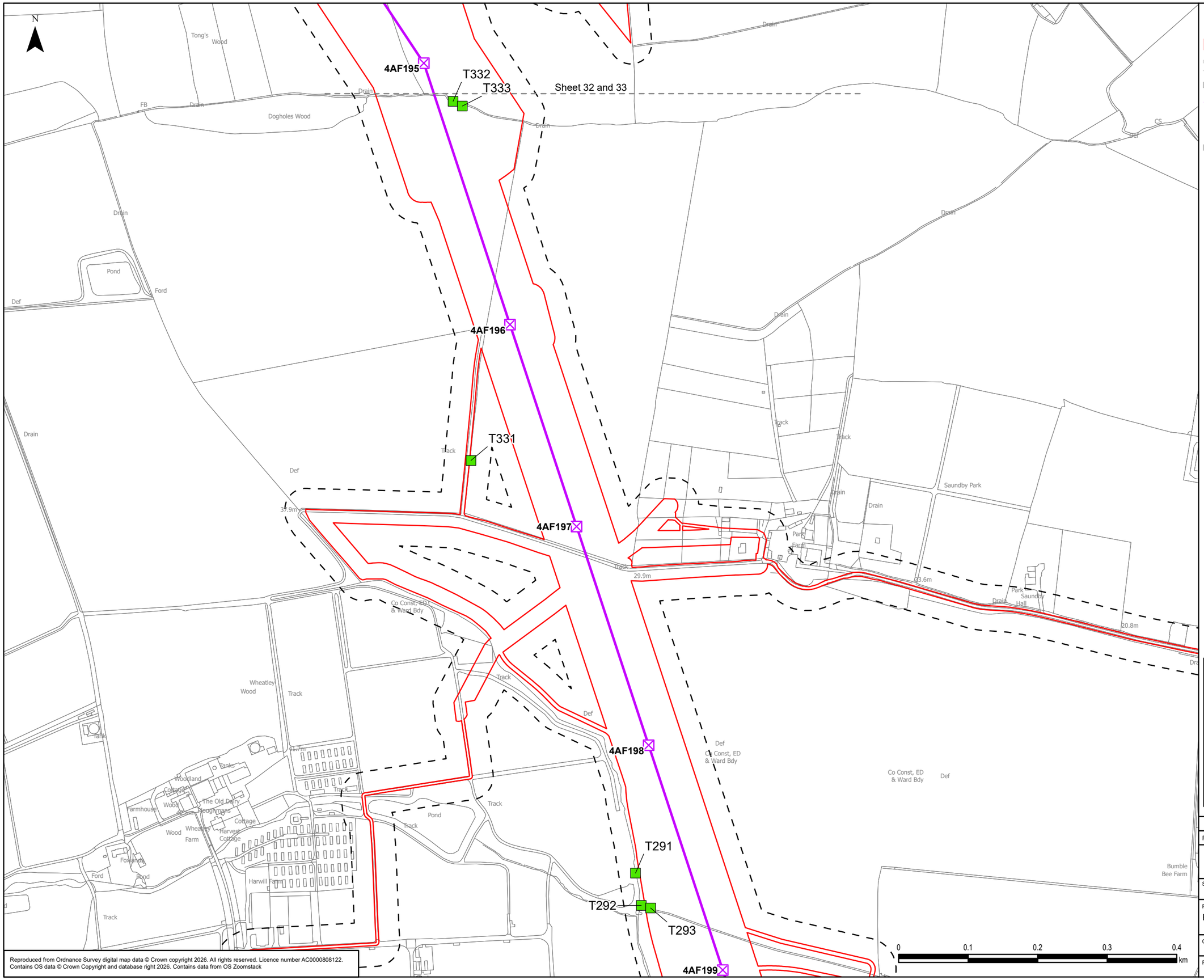
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Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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Legend

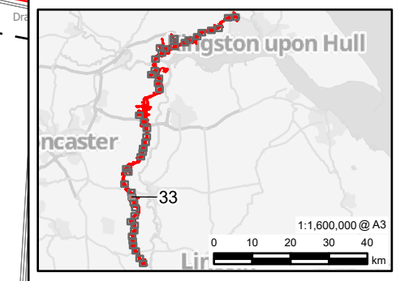
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)



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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

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ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

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N

T294
T997
T295
4AF200
Def
T1055
Track
4AF201
24.7m
24.6m
21.9m
25.5m
26.2m
27.2m
Boiler House
Farm
Pond
FB
A 620
26.5m
T641
Track
4AF202
Def
Drain
GAINSBOROUGH ROAD
Track
22.8m
A 620
21.0m
T626
T625
T624
CS
Issues
TROUGH BALK LANE (TRACK)
20.6m
4AF203
Def
23.1m
GAINSBOROUGH ROAD
T620
Track
Track
Eastfield
Pond
T618
T617
Eastfield
Bungalow
27.9m
4AF204
Sheet 34 and 35
0 0.1 0.2 0.3 0.4 km

Legend

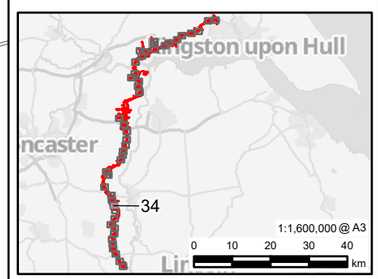
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

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A8.7.1	1:5,000	A3	34 OF 45	0

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N

Sheet 34 and 35

T600 T604 T606 T611 T610 T616 T608 T613 T615

4AF205 4AF206 4AF207 4AF208

T374 T373

Track Drain Wheatley Beck Oswald Beck Pond Def CS FB Tanks Sludge Tank Sewage Works Romerie Stables The Loose Box Orchard Lodge BURTON LANE (TRACK) FOOTGAP LANE (TRACK) The Crest Lang Lea High Pasture Cranleigh Littlewood House The Little Bungalow The Beeches 23.3m 24.2m 23.5m 22.3m 20.4m 20.5m 21.3m 18.6m 21.3m

Legend

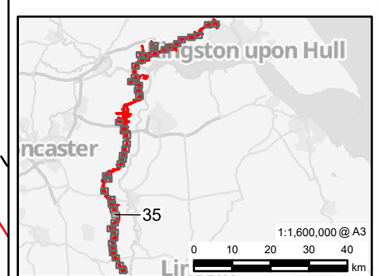
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

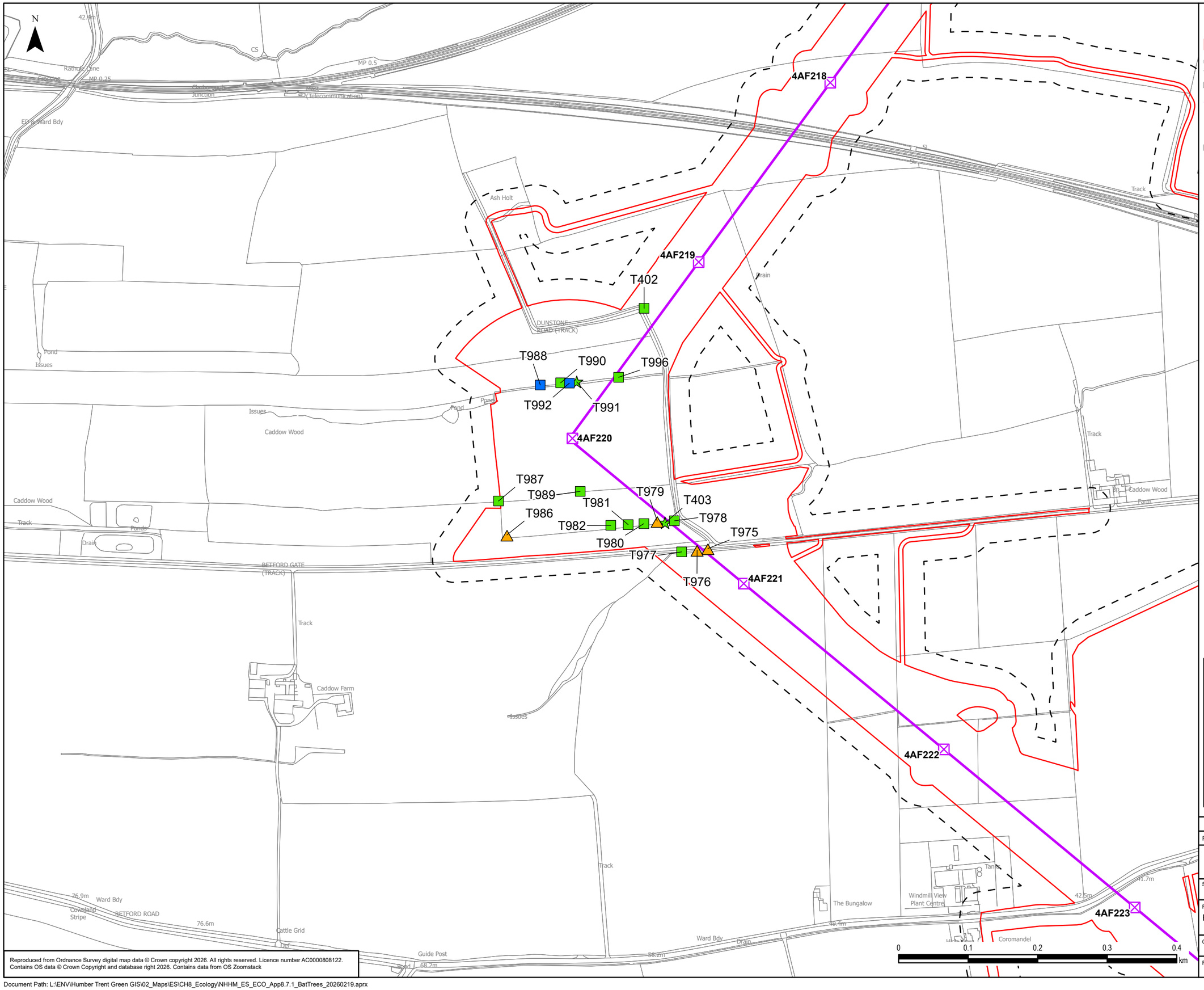
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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	35 OF 45	0

0 0.1 0.2 0.3 0.4 km

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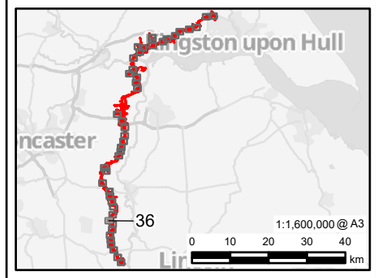
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



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A8.7.1	1:5,000	A3	36 OF 45	0

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N

WOODHOUSE FIELD LANE (TRACK)

Field Farm

WOOD LANE (TRACK)

HIGH HOUSE ROAD

42.8m

36.9m

31.2m

29.7m

28.0m

33.8m

34.4m

21.7m

22.2m

21.0m

22.7m

21.1m

15.1m

Level Crossing

Drain

Ditch

SL

MP Post

Track

FB

Def

Tank

FREEMAN'S LANE

DOG HOLES LANE (TRACK)

4AF212

4AF213

4AF214

4AF215

4AF216

T377

T376

0 0.1 0.2 0.3 0.4 km

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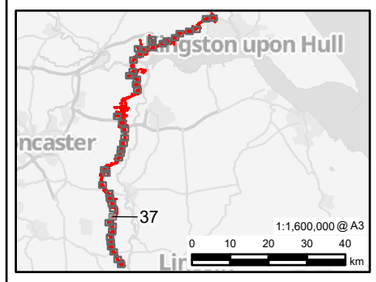
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Further Assessment Required



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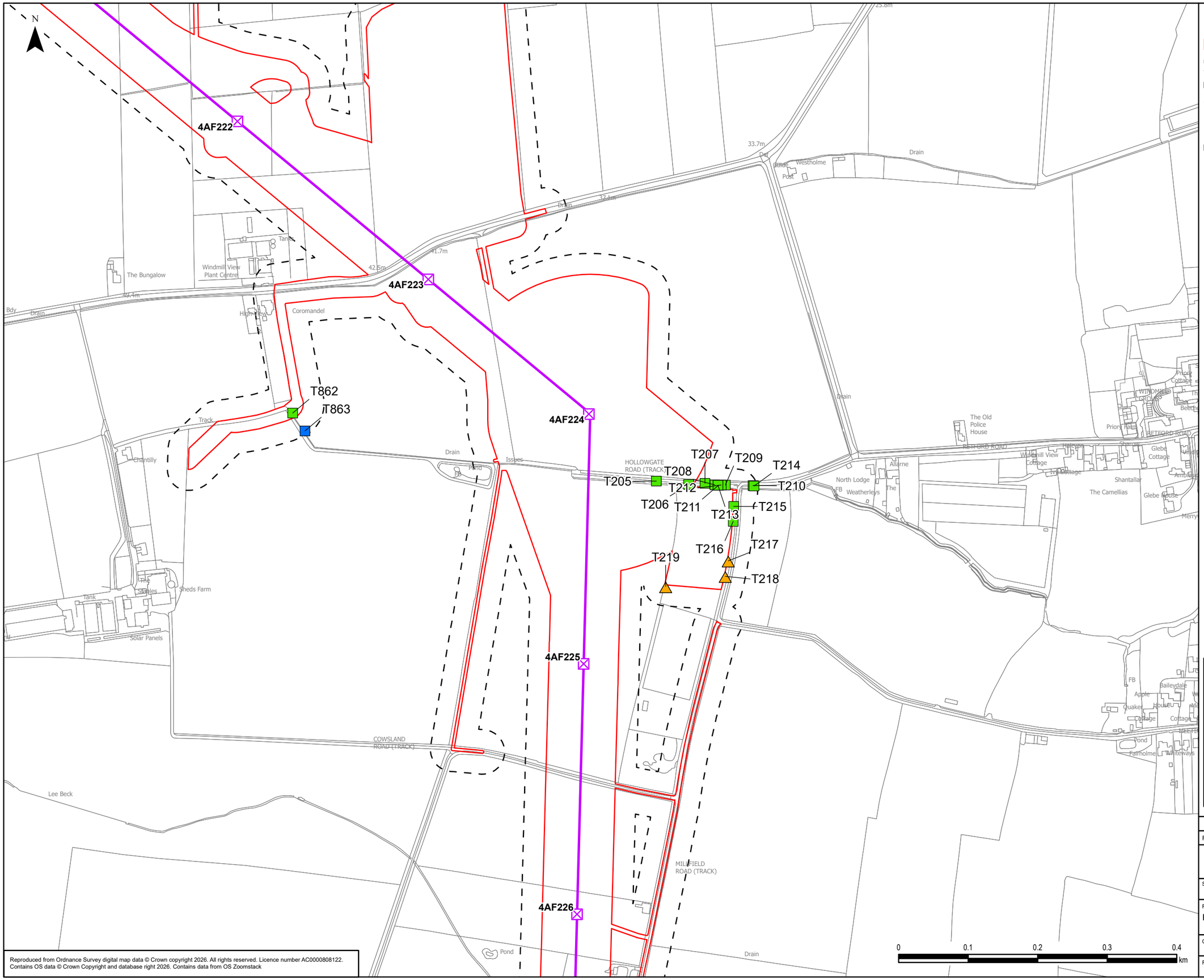
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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	37 OF 45	0

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Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required

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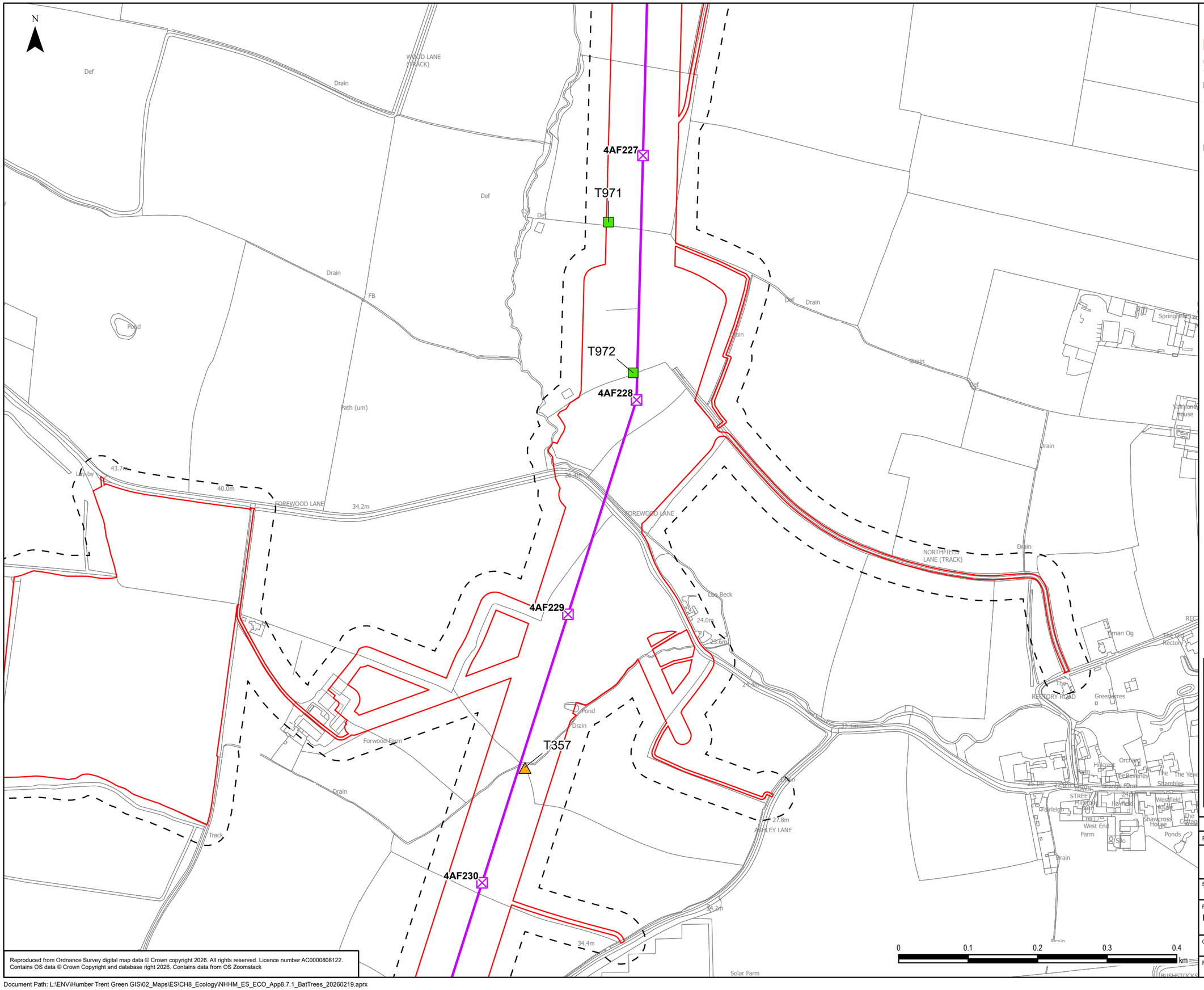
Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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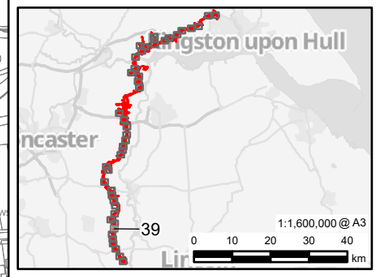
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



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Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	39 OF 45	0

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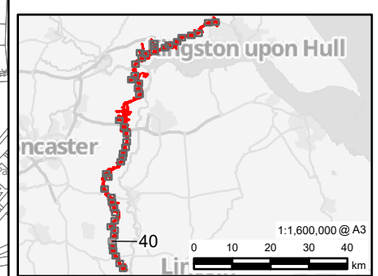
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Confirmed PRF-M – the feature is suitable for multiple bats
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



Rev	Date	Description	GIS	Chk	App
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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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N

T258
T257
T363
T364
T220
North Beck
Sheet 40 and 41
4AF235
4AF236
4AF237
4AF238
T404
T366
T266
T263
T264
T267
Sheet 41 and 42

Track
Pond
Tank
Church (ruins)
Def
Drain
Maggie Hall Farm
Hall Farm Cottage
Sewage Works
Issues
GD
Hardings Farm
Ward Bdy
CS
40.0m
35.1m
30.4m
28.7m
23.6m
28.8m
27.5m
27.8m
22.9m
25.5m

0 0.1 0.2 0.3 0.4 km

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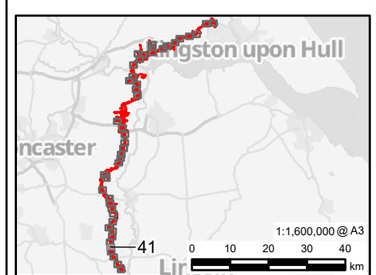
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Confirmed PRF-M – the feature is suitable for multiple bats
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Further Assessment Required



Rev	Date	Description	GIS	Chk	App
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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 1 - BAT ROOST INSPECTION LOCATIONS

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ID	12/10/2026	JG	12/10/2026	NL	12/10/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	41 OF 45	0

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N

Sheet 41 and 42

4AF238

T262

4AF239

T259

T260

4AF240

T261

4AF241

Sheet 42 and 43

Drain

Pond

HARDINGS (TRACK)

COLEGATE TRACK

Track

Field Farm

RETFORD ROAD

Mill House

Ward Bdy

Def

CS

BACK LANE (TRACK)

North Beck

North Green Bridge

NORTH GREEN

East Drayton

CHURCH LANE

Post Office

Tithe Barn Cottage

Broadlea

Ashlands Farm

Poplar Farm

Poplar View

Summerfield

Bay Tree Barn

Yew Tree Farm

Stone Gate

Bramble Lodge

Westholme

The Bungalow

The Paddocks

Kingston upon Hull

Lincaster

1:1,600,000 @ A3

0 10 20 30 40 km

0 0.1 0.2 0.3 0.4 km

Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Confirmed PRF-M – the feature is suitable for multiple bats

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
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Sheet 42 and 43

N

4AF242

4AF243

4AF244

4AF245

4AF246

4AF247

T407

T1054

T886

T887

T888

T889

T890

T891

T893

T894

T279

Route Section E

Route Section F

Legend

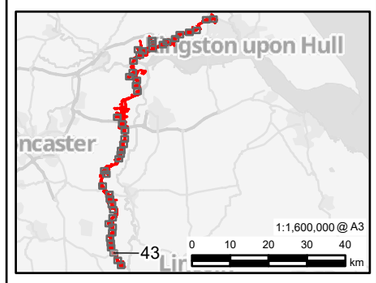
- Order Limits
- 30 m Survey Area from the Order Limits
- Route Section

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Confirmed PRF-M – the feature is suitable for multiple bats
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



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N

4AF250
4AF251
4AF252
4AF253

T278
T277
T276
T274
T275
T901
T902
T899
T897
T898
T900
T273

Drain
Track
Vicarage Farm Cottage
Vicarage Farm
Pond
America Farm
Majors Farm
Fledborough Beck
Def
FAR ROAD
Path (um)
Sheet 44 and 45

Legend

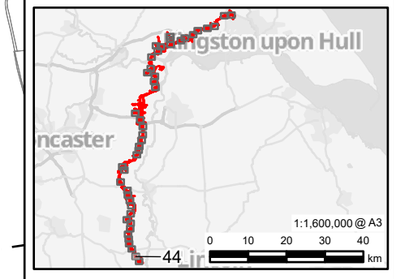
- Order Limits
- 30 m Survey Area from the Order Limits

Project Design Details

- Indicative New Overhead Line
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Confirmed PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
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N

Sheet 44 and 45

4AF254

4AF255

4AF256

4AF257

4AF258

4AF259

4AF260

T240

T903

T904

T905

T906

T907

CRABTREE LANE (TRACK)

CRABTREE LANE

Lay-by

High Marnham

Junction

Station Cottages

Station House

Fledborough House

Fledborough House Farm

Pond

Drain

Path

Dismantled Railway

Post

ETL

SP

GP

16.4m

17.2m

20.8m

18.9m

17.4m

8.7m

12.6m

19.3m

21.2m

19.6m

4.1m

10.8m

19.1m

0 0.1 0.2 0.3 0.4 km

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Legend

- Order Limits
- 30 m Survey Area from the Order Limits

Existing Overhead Line

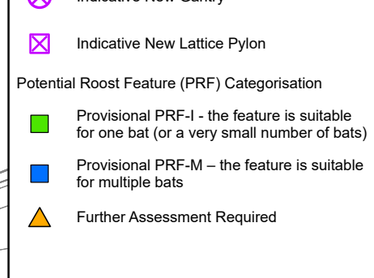
- 275 kV
- 400 kV

Project Design Details

- Indicative New Overhead Line
- Indicative New Gantry
- Indicative New Lattice Pylon

Potential Roost Feature (PRF) Categorisation

- Provisional PRF-I - the feature is suitable for one bat (or a very small number of bats)
- Provisional PRF-M – the feature is suitable for multiple bats
- Further Assessment Required



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Figure Ref:	Scale:	Format:	Sheets:	Rev:
A8.7.1	1:5,000	A3	45 OF 45	0

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Annex B
Current status of trees assessed for bat roost suitability

nationalgrid

Annex B – Current status of trees assessed for bat roost suitability

Table B8.1 presents the combined results of the GLTA and detailed aerial roost assessments undertaken within the survey area. These are also presented in **Figure A8.7.1 Bat Roost Inspection Locations**, in Annex A.

Trees were assigned a unique identifier number in the field using ESRI FieldMaps at the time of survey (pre-fix of 'T' followed by a number). This results in the numbering not running sequentially, and gaps in the numbering. Where trees were closely grouped, they were treated as a single feature and given a single identifier (for example T610 is a group of three mature hawthorn trees in a hedge).

Trees requiring further assessment are identified as FAR where access constraints prevented aerial inspection, or where the GLTA did not provide sufficient information to assign a provisional PRF category with confidence. The spatial distribution of all assessed trees, including confirmed PRF categories, provisional PRF categories, and FAR trees, is shown on **Figure A8.7.1 Bat Roost Inspection Locations**, in Annex A.

Table B1 – Current status of trees assessed for bat roost suitability

Tree Reference	Species	Potential bat roost feature categorisation
T3	Sycamore (*Acer pseudoplatanus*)	Provisional PRF-I
T4	Sycamore	Provisional PRF-I
T11	Ash (*Fraxinus excelsior*)	Provisional PRF-I
T12	Sycamore	Confirmed PRF-M
T13	Oak species (*Quercus* sp.)	Confirmed PRF-M
T14	Sycamore	Confirmed PRF-I
T15	Sycamore	Provisional PRF-I
T16	Sycamore	Provisional PRF-I
T17	Sycamore	Confirmed PRF-I
T18	Sycamore	Confirmed PRF-I
T19	Sycamore	Confirmed PRF-I
T20	Beech (*Fagus sylvatica*)	Provisional PRF-M
T21	Oak species standing deadwood	Confirmed PRF-I
T22	Sycamore	Confirmed PRF-M
T23	Sycamore	Provisional PRF-I
T24	Sycamore	Confirmed PRF-I
T25	Ash	Negligible
T26	Beech	Confirmed PRF-M

Tree Reference	Species	Potential bat roost feature categorisation
T27	Beech	Further Assessment Required
T28	Beech	Provisional PRF-I
T29	Beech	Provisional PRF-I
T30	Beech	Provisional PRF-I
T31	Ash	Provisional PRF-I
T32	Ash	Provisional PRF-I
T33	Ash	Provisional PRF-I
T34	Beech	Further Assessment Required
T35	Sycamore	Provisional PRF-I
T36	Beech	Provisional PRF-I
T37	Beech	Provisional PRF-I
T38	Beech	Provisional PRF-I
T39	Beech	Confirmed PRF-M
T40	Sycamore	Confirmed PRF-M
T41	Ash	Further Assessment Required
T42	Beech	Further Assessment Required
T43	Ash	Negligible
T44	Ash	Confirmed PRF-I
T45	Ash	Confirmed PRF-I
T46	Ash	Provisional PRF-I
T47	Sycamore	Provisional PRF-I
T48	Ash	Confirmed PRF-I
T49	Beech	Provisional PRF-I
T50	Beech	Confirmed PRF-M
T51	Ash	Provisional PRF-I
T52	Beech	Provisional PRF-I
T53	Ash	Provisional PRF-I
T54	Beech	Provisional PRF-I
T55	Beech	Provisional PRF-I
T56	Beech	Provisional PRF-I
T57	Beech	Provisional PRF-I
T58	Sycamore	Provisional PRF-I

Tree Reference	Species	Potential bat roost feature categorisation
T59	Sycamore	Provisional PRF-I
T60	Ash	Further Assessment Required
T61	Beech	Provisional PRF-I
T62	Ash	Confirmed PRF-I
T63	Beech	Provisional PRF-I
T64	Beech	Confirmed PRF-M
T65	Beech	Confirmed PRF-M
T66	Beech	Provisional PRF-M
T67	Ash	Confirmed PRF-I
T68	Sycamore	Confirmed PRF-M
T69	Ash	Confirmed PRF-M
T70	Ash	Confirmed PRF-I
T71	Ash	Confirmed PRF-I
T72	Beech	Confirmed PRF-I
T73	Beech (dead)	Provisional PRF-M
T74	Ash	Confirmed PRF-I
T75	Ash	Provisional PRF-M
T76	Ash	Provisional PRF-M
T78	Sycamore	Provisional PRF-I
T79	Beech	Confirmed PRF-I
T80	Beech	Confirmed PRF-I
T81	Ash	Provisional PRF-I
T82	Ash	Provisional PRF-I
T84	Ash	Provisional PRF-M
T85	Ash	Confirmed PRF-M
T86	Alder (*Alnus* sp.) (dead)	Provisional PRF-I
T87	Alder (dead)	Further Assessment Required
T88	Alder (dead)	Provisional PRF-M
T89	Ash	Confirmed PRF-I
T90	Beech	Provisional PRF-M
T91	Ash	Provisional PRF-M
T92	Sycamore	Provisional PRF-M

Tree Reference	Species	Potential bat roost feature categorisation
T93	Beech	Further Assessment Required
T94	Sycamore	Provisional PRF-M
T95	Beech (dead)	Provisional PRF-M
T96	Beech (dead)	Provisional PRF-I
T97	Sycamore	Provisional PRF-M
T98	Sycamore	Provisional PRF-M
T99	Beech	Further Assessment Required
T100	Sycamore (dead)	Provisional PRF-I
T101	Oak	Provisional PRF-M
T102	Ash	Provisional PRF-M
T103	Beech	Further Assessment Required
T104	Beech (dead)	Provisional PRF-I
T105	Beech (dying)	Provisional PRF-I
T106	Beech (dead)	Provisional PRF-I
T107	Sycamore	Provisional PRF-I
T108	Beech (dead)	Provisional PRF-M
T109	Beech (dead)	Further Assessment Required
T110	Beech (dead)	Further Assessment Required
T113	Ash	Provisional PRF-I
T114	Ash	Provisional PRF-I
T115	Sycamore	Provisional PRF-I
T116	Ash	Provisional PRF-I
T119	Oak	Provisional PRF-M
T120	Ash	Further Assessment Required
T124	Ash	Further Assessment Required
T127	Oak	Further Assessment Required
T134	Ash	Provisional PRF-I
T135	Sycamore	Confirmed PRF-I
T136	Sycamore (dead)	Provisional PRF-I
T137	Sycamore	Confirmed PRF-I
T138	Ash	Confirmed PRF-I
T139	Sycamore	Confirmed PRF-M

Tree Reference	Species	Potential bat roost feature categorisation
T140	Ash	Confirmed PRF-I
T141	Sycamore	Confirmed PRF-M
T142	Sycamore	Provisional PRF-M
T143	Ash	Provisional PRF-M
T144	Ash	Confirmed PRF-I
T145	Sycamore	Confirmed PRF-M
T147	Ash	Provisional PRF-I
T148	Ash	Further Assessment Required
T149	Ash	Provisional PRF-I
T150	Ash	Provisional PRF-I
T151	Unknown (dead)	Provisional PRF-I
T152	Sycamore	Provisional PRF-M
T155	Oak	Provisional PRF-I
T156	Oak	Provisional PRF-I
T157	Oak	Further Assessment Required
T158	Oak	Further Assessment Required
T159	Oak	Further Assessment Required
T160	Oak	Confirmed PRF-I
T161	Oak	Provisional PRF-I
T162	Willow (*Salix* sp.)	Further Assessment Required
T163	Willow	Provisional PRF-I
T164	Ash	Confirmed PRF-M
T165	Oak	Further Assessment Required
T172	Ash	Provisional PRF-I
T174	Ash	Provisional PRF-I
T176	Sycamore	Provisional PRF-I
T177	Oak species.	Provisional PRF-I
T178	Scots pine (*Pinus sylvestris*)	Further Assessment Required
T179	Oak species	Provisional PRF-I
T180	Beech	Provisional PRF-I
T181	Beech (dead)	Confirmed PRF-M
T182	Sycamore	Provisional PRF-I

Tree Reference	Species	Potential bat roost feature categorisation
T183	Sycamore	Provisional PRF-I
T184	Beech	Confirmed PRF-M
T185	Scots pine	Provisional PRF-M
T186	Sycamore (dead)	Provisional PRF-I
T187	Oak species	Provisional PRF-I
T188	Oak species	Confirmed PRF-I
T189	Oak species	Provisional PRF-I
T190	Oak species (dead - hit by lightning)	Confirmed PRF-M
T191	Beech	Provisional PRF-I
T192	Oak	Provisional PRF-I
T193	Sycamore (dead)	Further Assessment Required
T194	Ash	Provisional PRF-I
T195	Unknown (dead)	Provisional PRF-I
T196	Beech	Provisional PRF-I
T205	Ash	Provisional PRF-I
T206	Ash	Provisional PRF-I
T207	Ash	Provisional PRF-I
T208	Ash	Provisional PRF-I
T209	Ash	Provisional PRF-I
T210	Ash	Provisional PRF-I
T211	Ash	Provisional PRF-I
T212	Ash	Provisional PRF-I
T213	Ash	Provisional PRF-I
T214	Ash	Provisional PRF-I
T215	Ash	Provisional PRF-I
T216	Ash	Provisional PRF-I
T217	Ash	Further Assessment Required
T218	Ash	Further Assessment Required
T219	Ash	Further Assessment Required
T220	Hawthorn (*Crataegus monogyna*)	Further Assessment Required
T222	Ash	Provisional PRF-I
T223	Ash	Confirmed PRF-I

Tree Reference	Species	Potential bat roost feature categorisation
T224	Ash	Confirmed PRF-I
T225	Ash	Provisional PRF-I
T226	Ash	Provisional PRF-I
T227	Ash	Provisional PRF-I
T228	Ash	Provisional PRF-I
T229	Hawthorn	Provisional PRF-I
T230	Hawthorn	Provisional PRF-I
T231	Ash	Provisional PRF-I
T232	Ash	Confirmed PRF-M
T233	Oak	Provisional PRF-I
T234	Hawthorn	Provisional PRF-I
T235	Oak	Provisional PRF-I
T236	Ash	Provisional PRF-I
T237	Ash	Provisional PRF-I
T238	Oak	Confirmed PRF-I
T239	Ash	Provisional PRF-I
T240	Willow sp.	Provisional PRF-I
T241	Ash	Negligible
T242	Oak	Negligible
T243	Ash	Further Assessment Required
T244	Ash	Further Assessment Required
T245	Ash	Further Assessment Required
T246	Ash	Further Assessment Required
T247	Ash	Further Assessment Required
T248	Ash	Further Assessment Required
T249	Oak	Further Assessment Required
T250	Ash	Further Assessment Required
T251	Ash	Further Assessment Required
T253	Ash	Confirmed PRF-I
T254	Ash	Provisional PRF-I
T255	White willow (*Salix alba*)	Provisional PRF-M
T257	Oak sp.	Confirmed PRF-M

Tree Reference	Species	Potential bat roost feature categorisation
T258	Ash	Provisional PRF-I
T259	Ash	Confirmed PRF-I
T260	Ash	Confirmed PRF-M
T261	Ash	Confirmed PRF-I
T262	Ash	Confirmed PRF-I
T263	Ash	Further Assessment Required
T264	Ash	Provisional PRF-I
T266	Ash	Confirmed PRF-M
T267	Willow	Confirmed PRF-I
T268	Willow	Negligible
T269	Willow	Negligible
T271	Willow	Negligible
T272	Willow	None
T273	Willow	Provisional PRF-I
T274	Oak	Confirmed PRF-I
T275	Ash	Provisional PRF-I
T276	Ash	Further Assessment Required
T277	Ash	Provisional PRF-I
T278	Ash	Provisional PRF-I
T279	Ash	Provisional PRF-I
T280	Ash	Provisional PRF-I
T281	Elder (*Sambucus nigra*)	Provisional PRF-I
T284	Field maple (*Acer campestre*)	Provisional PRF-I
T285	Ash	Provisional PRF-M
T286	Ash	Provisional PRF-M
T287	Oak	Provisional PRF-M
T288	Ash	Negligible
T289	Ash	Further Assessment Required
T290	Ash	Further Assessment Required
T291	Ash	Provisional PRF-I
T292	Oak	Provisional PRF-I
T293	Oak	Provisional PRF-I

Tree Reference	Species	Potential bat roost feature categorisation
T294	Oak	Provisional PRF-I
T295	Ash	Provisional PRF-I
T305	Oak	Confirmed PRF-I
T306	Oak	Provisional PRF-I
T307	Oak	Provisional PRF-I
T308	Oak	Provisional PRF-I
T309	Oak	Further Assessment Required
T310	Oak	Provisional PRF-I
T311	Oak	Negligible
T312	Oak	Confirmed PRF-I
T313	Willow	Provisional PRF-M
T314	Pedunculate oak	Provisional PRF-M
T315	Ash	Provisional PRF-M
T316	Ash	Further Assessment Required
T317	Ash	Provisional PRF-M
T318	Sycamore	Further Assessment Required
T319	Ash	Further Assessment Required
T320	Ash	Further Assessment Required
T321	Ash	Confirmed PRF-I
T322	Ash	Provisional PRF-I
T323	Field maple	Further Assessment Required
T324	Ash	Provisional PRF-I
T325	Ash	Provisional PRF-M
T326	Ash	Negligible
T327	Ash	Provisional PRF-I
T329	Ash	Provisional PRF-M
T330	Ash	Further Assessment Required
T331	Ash	Provisional PRF-I
T332	Ash	Provisional PRF-I
T333	Ash	Provisional PRF-I
T334	Ash	Negligible
T335	Ash	Confirmed PRF-I

Tree Reference	Species	Potential bat roost feature categorisation
T336	Ash	Provisional PRF-I
T337	Ash	Provisional PRF-I
T342	Oak	Provisional PRF-M
T343	Ash	Provisional PRF-M
T345	Ash	Further Assessment Required
T346	Ash	Further Assessment Required
T347	Sycamore	Further Assessment Required
T349	Oak	Further Assessment Required
T350	Oak	Further Assessment Required
T351	Sycamore	Provisional PRF-I
T352	Oak	Confirmed PRF-M
T353	Ash	Confirmed PRF-I
T354	Ash	Provisional PRF-I
T355	Ash	Provisional PRF-M
T357	Willow	Further Assessment Required
T358	Ash	Confirmed PRF-I
T359	Oak	Confirmed PRF-I
T360	Oak	Provisional PRF-I
T361	Ash	Further Assessment Required
T362	Ash	Further Assessment Required
T363	Oak	Further Assessment Required
T364	Ash	Further Assessment Required
T366	Ash	Confirmed PRF-I
T367	Willow	None
T370	Ash	Confirmed PRF-I
T371	Ash	Provisional PRF-M
T372	Oak	Provisional PRF-I
T373	Oak	Further Assessment Required
T374	Ash	Provisional PRF-I
T376	Oak	Further Assessment Required
T377	Oak	Further Assessment Required
T382	Ash	Further Assessment Required

Tree Reference	Species	Potential bat roost feature categorisation
T387	Ash	Further Assessment Required
T390	Ash	Further Assessment Required
T391	Ash	Further Assessment Required
T392	Ash	Further Assessment Required
T394	Ash	Further Assessment Required
T395	Ash	Further Assessment Required
T398	Ash	Provisional PRF-M
T401	Hazel (*Corylus avellana*)	Further Assessment Required
T402	Ash	Provisional PRF-I
T403	Oak	Confirmed PRF-I
T404	Ash	Provisional PRF-I
T405	Ash	Provisional PRF-I
T406	Ash	Provisional PRF-I
T407	Whitebeam (*Sorbus* sp.)	Provisional PRF-I
T409	Alder	Provisional PRF-I
T410	Willow sp.	Negligible
T411	Cherry (*Prunus* sp.)	Negligible
T413	Alder	Negligible
T415	Cherry	Negligible
T416	Silver birch	Negligible
T417	Silver birch	Negligible
T418	Willow sp.	Negligible
T419	Cherry	Provisional PRF-I
T420	Field maple	Negligible
T421	Cherry	Negligible
T422	Pear (*Pyrus* sp.)	Negligible
T423	Field maple	Negligible
T424	Cherry	Negligible
T425	Cherry	Negligible
T426	Cherry	Negligible
T427	Field maple	Negligible
T428	Cherry	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T429	Cherry	Negligible
T430	Cherry	Negligible
T431	Field maple	Negligible
T432	Cherry	Negligible
T433	Cherry	Negligible
T434	Sycamore	Negligible
T435	Elder	Negligible
T436	Field maple	Negligible
T437	Oak	Negligible
T438	Field maple	Negligible
T439	Sycamore	Negligible
T440	Field maple	Negligible
T441	Field maple	Negligible
T442	Sycamore	Negligible
T443	Field maple	Negligible
T444	Dead tree	Negligible
T445	Sycamore	Negligible
T446	Sycamore	Negligible
T447	Beech	Further Assessment Required
T448	Field maple	Negligible
T449	Field maple	Negligible
T450	Hawthorn	Negligible
T451	Hawthorn	Negligible
T452	Sycamore	Negligible
T453	Sycamore	Negligible
T454	Sycamore	Negligible
T455	Sycamore	Negligible
T456	Sycamore	Negligible
T457	Field maple	Provisional PRF-I
T458	Cherry	Negligible
T459	Sycamore	Negligible
T460	Sycamore	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T461	Sycamore	Negligible
T462	Beech	Negligible
T463	Beech	Negligible
T464	Sycamore	Negligible
T465	Sycamore	Negligible
T466	Sycamore	Negligible
T467	Sycamore	Negligible
T479	Hawthorn	Further Assessment Required
T480	Hawthorn	Further Assessment Required
T481	Hawthorn	Further Assessment Required
T482	Hawthorn	Further Assessment Required
T483	Hawthorn	Negligible
T485	Elder	Provisional PRF-I
T487	Elder	Negligible
T489	Hawthorn	Further Assessment Required
T490	Hawthorn, elder regrowth	Negligible
T491	Hawthorn	Negligible
T492	Not a tree - collapsed telephone pole	Further Assessment Required
T493	Hawthorn, elder	Negligible
T494	Elder	Negligible
T495	Hawthorn	Negligible
T496	Ash	Negligible
T497	Hawthorn	Provisional PRF-I
T498	Hawthorn, elder	Negligible
T499	Hawthorn	Provisional PRF-I
T500	Hawthorn and elder	Negligible
T501	Hawthorn	Provisional PRF-I
T502	Hawthorn, elder	Negligible
T503	Hawthorn and elder	Negligible
T504	Hawthorn and elder	Negligible
T505	Hawthorn	Negligible
T506	Hawthorn	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T507	Hawthorn	Negligible
T508	Hawthorn	Negligible
T509	Ash	Negligible
T510	Ash	Negligible
T511	Ash	Negligible
T512	Field maple	Negligible
T513	Ash	Provisional PRF-I
T514	Ash	Negligible
T515	Ash	Negligible
T516	Willow	Provisional PRF-I
T517	Ash	Provisional PRF-I
T518	Hawthorn	Negligible
T519	Hawthorn	Negligible
T520	Willow	Negligible
T521	Ash	Negligible
T522	Ash	Negligible
T523	Ash	Further Assessment Required
T524	Ash	Negligible
T525	Hawthorn	Negligible
T526	Ash	Negligible
T527	Willow	Provisional PRF-I
T528	Willow	Provisional PRF-I
T529	Ash	Negligible
T530	Ash	Negligible
T531	Ash	Negligible
T535	Ash, hawthorn	Negligible
T536	Hawthorn	Negligible
T537	Hawthorn	Negligible
T538	Ash	Provisional PRF-I
T539	Ash and hawthorn	Negligible
T540	Ash hawthorn	Negligible
T541	Willow	Further Assessment Required

Tree Reference	Species	Potential bat roost feature categorisation
T542	Ash, hawthorn	Negligible
T543	Willow	Further Assessment Required
T544	Willow	Further Assessment Required
T545	Willow	Negligible
T546	Willow	Negligible
T547	Willow	Negligible
T548	Willow	Negligible
T549	Willow	Negligible
T550	Willow	Negligible
T551	Ash	Negligible
T552	Hawthorn	Negligible
T553	Haw thorn	Negligible
T554	Willow	Negligible
T555	Hawthorn	Negligible
T556	Ash	Negligible
T557	Hawthorn	Negligible
T558	Ash	Negligible
T559	Hawthorn	Negligible
T560	Willow	Negligible
T561	Hawthorn	Negligible
T562	Willow	Negligible
T563	Willow	Further Assessment Required
T564	Hawthorn	Negligible
T565	Willow	Negligible
T566	Willow	Negligible
T567	Willow	Further Assessment Required
T568	Ash	Provisional PRF-I
T569	Hawthorn, ash	Negligible
T570	Ash	Negligible
T571	Ash	Provisional PRF-I
T572	Ash	Negligible
T573	Ash	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T574	Ash	Confirmed PRF-I
T575	Ash	Negligible
T576	Ash	Negligible
T577	Ash	Provisional PRF-I
T578	Hawthorn	Negligible
T579	Ash	Negligible
T580	Willow	Provisional PRF-I
T581	Willow	Negligible
T582	Willow	Negligible
T583	Willow	Provisional PRF-I
T584	Willow	Provisional PRF-I
T585	willow	Negligible
T586	willow	Negligible
T587	willow	Negligible
T588	Willow	Provisional PRF-I
T589	Willow	Provisional PRF-I
T592	Hawthorn	Negligible
T593	Hawthorn	Negligible
T594	poplar	Negligible
T595	Hawthorn at edge, oak and elm	Negligible
T596	Elm	Negligible
T597	Elm	Negligible
T598	Young elm, mature hawthorn	Negligible
T599	Oak	Provisional PRF-I
T600	Ash	Provisional PRF-I
T601	Elm (*Ulmus* sp.)	Provisional PRF-I
T602	Young elm, mature hawthorn	Negligible
T603	Dead tree	Provisional PRF-I
T604	Hawthorn	Provisional PRF-I
T606	Three semi-mature ash trees in hedge	Provisional PRF-I
T608	Hawthorn	Provisional PRF-I

Tree Reference	Species	Potential bat roost feature categorisation
T610	Group of three mature hawthorn trees in hedge	Provisional PRF-I
T611	Hawthorn	Provisional PRF-I
T613	Group of four mature hawthorn trees in hedge	Provisional PRF-I
T614	Group of four mature hawthorn trees in hedge	Negligible
T615	Group of three mature hawthorn trees in hedge	Provisional PRF-I
T616	Group of three mature hawthorn trees in hedge	Provisional PRF-I
T617	Semi mature ash tree	Provisional PRF-I
T618	Hawthorn	Provisional PRF-I
T619	Ash tree (dead)	Provisional PRF-I
T620	Semi mature ash	Provisional PRF-I
T624	Hawthorn	Provisional PRF-I
T625	Ash	Provisional PRF-I
T626	Hawthorn	Provisional PRF-I
T627	Ash and hawthorn	Negligible
T628	Oak	Negligible
T629	Rowan	Negligible
T630	Oak	Negligible
T631	Oak	Negligible
T632	Field maple	Negligible
T633	Oak	Negligible
T634	Sycamore	Negligible
T635	Sycamore	Negligible
T636	Field maple	Provisional PRF-I
T637	Oak	Negligible
T638	Oak	Negligible
T639	Hawthorn (4) and oak (2)	Negligible
T640	Cherry	Negligible
T641	Sycamore	Provisional PRF-I
T642	Sycamore, cherry, willow	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T647	Ash	Negligible
T648	Cherry	Negligible
T649	Ash	Negligible
T650	Cherry	Negligible
T651	Rowan	Negligible
T652	Oak willow	Negligible
T653	Oak	Negligible
T654	Oak	Negligible
T655	Oak cherry	Negligible
T656	Oak	Provisional PRF-I
T657	Oak	Negligible
T658	Scots pine	Negligible
T659	Sycamore	Negligible
T660	Pines	Negligible
T661	Sycamore (2) and Ash (3)	Negligible
T662	Ash	Negligible
T663	Pine	Negligible
T664	Hawthorn	Provisional PRF-I
T665	Ash and Oak	Negligible
T666	Hawthorn	Provisional PRF-I
T667	Hawthorn	Provisional PRF-I
T668	Hawthorn	Provisional PRF-I
T669	Cherry	Negligible
T670	Pine	Negligible
T671	Oak	Negligible
T672	Cherry	Negligible
T673	Cherry	Negligible
T674	Cherry	Negligible
T676	Pines	Negligible
T677	Ash	Provisional PRF-I
T678	Hawthorn	Confirmed PRF-I
T680	Ash	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T681	Ash	Negligible
T682	Hawthorn	Negligible
T683	Field maple	Negligible
T684	Cherry	Negligible
T685	Oak	Negligible
T686	Field maple	Negligible
T687	Cherry	Negligible
T688	Ash	Negligible
T689	Ash	Negligible
T690	Ash and Field maple	Negligible
T691	Ash, cherry, silver birch, oak	Negligible
T692	Silver birch	Negligible
T693	Ash, hazel and field maple	Negligible
T694	Field maple, oak	Negligible
T695	Silver birch	Negligible
T696	Holly,	Negligible
T697	Silver birch	Negligible
T698	Hazel	Negligible
T699	Silver birch	Negligible
T700	Cherry	Negligible
T701	Holly	Negligible
T702	Aspen, holly , silver birch, oak	Negligible
T703	Ash	Provisional PRF-I
T704	Holly, cherry, field maple, aspen	Negligible
T705	Holly, silver birch, aspen, oak , hazel	Negligible
T706	Holly, cherry, silver birch, aspen, oak	Negligible
T707	Oak	Negligible
T708	Field maple, holly, hawthorn, ash	Negligible
T709	Ash	Negligible
T710	Field maples	Negligible
T711	Rowan	Negligible
T712	Ash	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T713	Dead tree	Negligible
T714	Oak	Negligible
T715	Field maple	Negligible
T716	Ash	Negligible
T717	Ash	Negligible
T718	Ash	Negligible
T719	Field maple	Negligible
T720	Field maple	Negligible
T721	Ash	Negligible
T722	Ash	Negligible
T723	Pine	Negligible
T725	Ash	Negligible
T726	Silver birch	Negligible
T727	Willow	Negligible
T730	Hawthorn	Provisional PRF-I
T731	Ash	Provisional PRF-I
T732	Ash	Provisional PRF-I
T733	Ash	Further Assessment Required
T734	Hawthorn	Provisional PRF-I
T735	Ash (dead/dying)	Further Assessment Required
T737	Ash	Provisional PRF-M
T738	Ash	Provisional PRF-M
T739	Ash	Provisional PRF-I
T740	Ash	Further Assessment Required
T741	Oak	Provisional PRF-I
T742	Ash	Provisional PRF-I
T743	Ash	Provisional PRF-I
T744	Ash	Further Assessment Required
T748	Ash	Further Assessment Required
T749	Unknown dead tree	Provisional PRF-I
T750	Unknown dead tree	Provisional PRF-I
T751	Ash	Further Assessment Required

Tree Reference	Species	Potential bat roost feature categorisation
T752	Sycamore	Provisional PRF-I
T753	Ash	Further Assessment Required
T754	Willow	Provisional PRF-M
T755	Beech	Provisional PRF-I
T756	Sycamore	Provisional PRF-I
T759	Ash	Provisional PRF-I
T761	Ash	Provisional PRF-I
T763	Horse chestnut (*Aesculus hippocastanum*)	Provisional PRF-I
T764	Ash	Negligible
T775	Ash, oak, willow and hawthorn	Negligible
T776	Sycamore, oak, ash, silver birch, pine,	Negligible
T777	Willow	Provisional PRF-I
T778	Willow	Provisional PRF-I
T779	Ash	Negligible
T780	Ash	Further Assessment Required
T781	Sycamore	Further Assessment Required
T782	Ash	Further Assessment Required
T783	Ash	Further Assessment Required
T784	Ash	Negligible
T785	Ash	Further Assessment Required
T786	Sycamore	Negligible
T787	ash	Negligible
T788	Willow	Further Assessment Required
T789	Ash	Negligible
T790	Sycamore	Negligible
T791	Sycamore	Provisional PRF-I
T792	Sycamore	Negligible
T793	Sycamore	Negligible
T794	Ash	Confirmed PRF-I
T795	Sycamore	Negligible
T796	Ash	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T797	Ash	None
T798	Ash	Confirmed PRF-I
T799	Ash	Negligible
T800	Ash	Negligible
T801	Ash	Negligible
T802	Ash	Negligible
T803	Ash	Provisional PRF-M
T804	Sycamore	Negligible
T805	Sycamore, young oak ash	Negligible
T806	Hawthorn and blackthorn	Negligible
T807	Sycamore, young oak ash	Negligible
T808	Field maple	Negligible
T809	Willow	Negligible
T810	Ash	Negligible
T811	Oak	Negligible
T812	Oak	Negligible
T814	Ash	Further Assessment Required
T815	Sycamore	Further Assessment Required
T816	Douglas fir (*Pseudotsuga menziesii*)	Provisional PRF-I
T818	Hawthorn	Provisional PRF-I
T819	Ash	Provisional PRF-I
T824	Crack willow (*Salix fragilis*)	Provisional PRF-M
T825	Crack willow	Provisional PRF-M
T826	Poplar sp.	Negligible
T827	Horse chestnut	Provisional PRF-I
T828	Horse chestnut	Further Assessment Required
T829	Horse chestnut	Further Assessment Required
T830	Sycamore	Provisional PRF-I
T831	Aspen	Negligible
T832	Horse chestnut	Provisional PRF-I
T833	Horse chestnut	Negligible
T834	Sycamore	Provisional PRF-I

Tree Reference	Species	Potential bat roost feature categorisation
T835	Sycamore	Provisional PRF-I
T836	Poplar sp.	Negligible
T837	Poplar sp.	Negligible
T838	Poplar sp.	Negligible
T839	Poplar sp.	Negligible
T840	Poplar sp. (*Populus* spp.)	Further Assessment Required
T841	Poplar sp.	Further Assessment Required
T842	Poplar sp.	Negligible
T843	Poplar sp.	Provisional PRF-I
T844	Oak	Further Assessment Required
T845	Ash	Provisional PRF-I
T846	Oak	Negligible
T847	Oak	Further Assessment Required
T848	Ash	Further Assessment Required
T849	Ash	Further Assessment Required
T850	Oak	Provisional PRF-I
T851	Oak	Provisional PRF-I
T852	Ash	Negligible
T853	Oak	Provisional PRF-I
T854	Crack willow	Confirmed PRF-I
T855	Ash	Provisional PRF-I
T856	Ash	Provisional PRF-M
T857	Ash	Provisional PRF-M
T858	Ash	Provisional PRF-I
T484	Hawthorn	Further Assessment Required
T859	Ash	Provisional PRF-M
T860	English oak	Provisional PRF-I
T861	Willow	Provisional PRF-I
T862	Ash	Provisional PRF-I
T863	Ash	Provisional PRF-M
T864	Ash	Negligible
T865	English oak	Provisional PRF-I

Tree Reference	Species	Potential bat roost feature categorisation
T866	English oak	Provisional PRF-I
T867	English oak	Provisional PRF-I
T868	Ash	Provisional PRF-I
T869	Ash	Provisional PRF-I
T870	Ash	Provisional PRF-I
T871	Ash	Provisional PRF-I
T872	Ash	Provisional PRF-I
T873	English oak	Provisional PRF-I
T874	Ash	Provisional PRF-I
T875	Ash	Provisional PRF-I
T876	Hawthorn	Provisional PRF-I
T877	Ash	Provisional PRF-M
T878	Ash	Provisional PRF-I
T879	Ash	Provisional PRF-I
T880	English oak	Provisional PRF-M
T881	Field maple	Provisional PRF-I
T882	Ash	Provisional PRF-M
T883	Ash	Provisional PRF-I
T884	English oak	Provisional PRF-I
T886	Ash	Provisional PRF-M
T887	Willow	Provisional PRF-I
T888	Ash	Provisional PRF-I
T889	Crack willow	Provisional PRF-I
T890	Crack willow	Confirmed PRF-M
T891	Willow sp.	Confirmed PRF-I
T893	Crack willow	Confirmed PRF-M
T894	Crack willow	Provisional PRF-I
T897	Crack willow	Provisional PRF-I
T898	Willow sp.	Provisional PRF-I
T899	Crack willow	Provisional PRF-I
T900	Crack willow	Provisional PRF-I
T901	Crab apple (*Malus sylvestris*)	Provisional PRF-M

Tree Reference	Species	Potential bat roost feature categorisation
T902	Ash	Provisional PRF-I
T903	Sycamore	Further Assessment Required
T904	Silver birch	Provisional PRF-M
T905	Silver birch	Provisional PRF-M
T906	Horse chestnut	Provisional PRF-M
T907	Cherry sp.	Provisional PRF-I
T908	Oak	Provisional PRF-I
T909	Oak	Provisional PRF-I
T911	Ash	Further Assessment Required
T918	Willow sp.	Provisional PRF-M
T922	Willow sp.	Provisional PRF-M
T925	Willow	Provisional PRF-I
T926	Ash	Provisional PRF-M
T927	Willow sp.	Provisional PRF-M
T931	White willow	Provisional PRF-I
T932	Willow	Provisional PRF-I
T933	Willow	Provisional PRF-I
T936	Ash	Provisional PRF-I
T937	Ash	Further Assessment Required
T939	Ash	Provisional PRF-M
T940	Beech	Further Assessment Required
T941	Horse chestnut	Provisional PRF-I
T942	Sycamore	Provisional PRF-I
T943	Sycamore	Provisional PRF-I
T944	Sycamore	Provisional PRF-I
T945	Sycamore	Further Assessment Required
T946	Horse chestnut	Provisional PRF-I
T947	Horse chestnut	Further Assessment Required
T948	Sycamore	Provisional PRF-I
T949	Sycamore	Provisional PRF-I
T950	Horse chestnut	Further Assessment Required
T951	Sycamore	Provisional PRF-M

Tree Reference	Species	Potential bat roost feature categorisation
T953	Sycamore	Provisional PRF-I
T954	Sycamore	Further Assessment Required
T955	Willow	Further Assessment Required
T957	Ash	Provisional PRF-M
T958	Sycamore	Provisional PRF-I
T962	Sycamore	Provisional PRF-I
T964	Oak	Provisional PRF-M
T965	Oak	Further Assessment Required
T966	Cherry	Provisional PRF-I
T971	Ash	Provisional PRF-I
T972	Ash	Provisional PRF-I
T975	Ash	Further Assessment Required
T976	Ash	Further Assessment Required
T977	Ash	Provisional PRF-I
T978	English oak	Provisional PRF-I
T979	Oak	Further Assessment Required
T980	Hawthorn	Provisional PRF-I
T981	Oak	Provisional PRF-I
T982	Ash	Provisional PRF-I
T986	Ash	Further Assessment Required
T987	Ash	Provisional PRF-I
T988	Ash	Provisional PRF-M
T989	Oak	Provisional PRF-I
T990	Ash	Provisional PRF-I
T991	Oak	Confirmed PRF-I
T992	Ash	Provisional PRF-M
T996	Ash	Provisional PRF-I
T997	Ash	Provisional PRF-I
T1001	Cypress sp. (*Cupressus* spp.)	Provisional PRF-I
T1003	Ash	Further Assessment Required
T1009	Ash	Confirmed PRF-I
T1011	Ash	Provisional PRF-I

Tree Reference	Species	Potential bat roost feature categorisation
T1014	Ash	Provisional PRF-I
T1015	Sycamore	Provisional PRF-I
T1016	Sycamore	Provisional PRF-I
T1017	Sycamore	Confirmed PRF-I
T1018	Ash	Provisional PRF-I
T1019	Ash	Further Assessment Required
T1021	Sycamore	Provisional PRF-I
T1022	Ash	Provisional PRF-I
T1023	Ash	Further Assessment Required
T1025	Ash	Provisional PRF-I
T1026	Ash	Provisional PRF-I
T1034	Ash	Further Assessment Required
T1035	Ash	Provisional PRF-I
T1036	Oak	Provisional PRF-I
T1038	Oak	Provisional PRF-I
T1039	Oak	Provisional PRF-I
T1040	Oak	Provisional PRF-I
T1041	Oak	Provisional PRF-I
T1042	Oak - decayed deadwood	Further Assessment Required
T1045	Ash	Provisional PRF-I
T1047	Willow	Confirmed PRF-I
T1048	Ash	Provisional PRF-I
T1049	Oak	Provisional PRF-I
T1054	Oak sp.	Further Assessment Required
T1055	Ash	Further Assessment Required
T1057	Ash	Further Assessment Required
T1059	Ash	Further Assessment Required
T25A	Ash	Confirmed PRF-M
T352A	Oak	Confirmed PRF-M
T270	Willow	Negligible
T864	Ash	Negligible
T892	Ash	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T1007	Ash	None
T1020	Ash	None
T1037	Oak	Negligible
T910	Cypress sp.	Negligible
T912	Ornamental sp.	Negligible
T913	Ornamental sp.	Negligible
T914	Ornamental sp.	Negligible
T915	Hawthorn	Negligible
T916	Field maple	Negligible
T917	Field maple	Negligible
T919	Field maple	Negligible
T920	Field maple	Negligible
T921	Field maple	Negligible
T923	Field maple	Negligible
T924	Field maple	Negligible
T928	Aspen	Negligible
T929	Aspen	Negligible
T930	Field maple, ash, bird cherry, birch, whitebeam sp.	Negligible
T934	Ash	Negligible
T935	Ash	Negligible
T938	Ash	Negligible
T952	Sycamore	Negligible
T956	Sycamore	Negligible
T959	Ash	Negligible
T960	Ash	Negligible
T961	Sycamore	Negligible
T963	Ash	Negligible
T967	Cherry	Negligible
T968	Cherry	Negligible
T969	Cherry	Negligible
T970	Cherry, ash, oak, lime, alder	Negligible
T973	Ash	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T974	Ash	Negligible
T983	Ash	Negligible
T984	Ash	Negligible
T985	Ash & hawthorn	Negligible
T993	Ash	Negligible
T994	Ash	Negligible
T995	Ash	Negligible
T998	Maple	Negligible
T999	Norway maple	Negligible
T1000	Norway maple	Negligible
T1002	Norway maple	Negligible
T1004	Ash	Negligible
T1005	Ash	Negligible
T1006	Ash	Negligible
T1008	Maple	Negligible
T1010	Ash	Negligible
T1012	Willow	Negligible
T1013	Elder	Negligible
T1024	Ash	Negligible
T1027	Ash	Negligible
T1028	Sycamore	Negligible
T1029	Wild cherry	Negligible
T1030	Wild cherry	Negligible
T1031	Wild cherry	Negligible
T1032	Wild cherry	Negligible
T1033	Wild cherry	Negligible
T1043	Ash	Negligible
T1044	Ash	Negligible
T1046	Ash	Negligible
T1050	Unknown	Negligible
T1051	Oak	Negligible
T1052	Crack willow	Negligible

Tree Reference	Species	Potential bat roost feature categorisation
T1056	Hawthorn	Negligible
T1058	Ash	Negligible

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