

RDM  
Environmental and Geotechnical Engineering Ltd

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REPORT  
for  
PHASE 1 DESKTOP STUDY  
with  
PHASE 2 INTRUSIVE & GEOTECHNICAL INVESTIGATIONS  
for  
LAND ADJACENT TO BARNHILLS FARM,  
MERRYLEES ROAD,  
THORNTON,  
COALVILLE,  
LEICESTERSHIRE  
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For:

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| Prepared by:                                                                                                                                                   | Date       | Revised | Revision |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
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## 1. EXECUTIVE SUMMARY

### 1.1. General

1.1.1. This executive summary should be read in conjunction with the whole report to avoid omission of relevant and important information.

1.1.2. The proposed development area at Barnhills Farm is currently a small area farm buildings, at the northern edge of the Barnhills Farm, bordered by Rothley Brook to the east.

### 1.2. Geology

1.3. According to the British Geological Survey (BGS), the site comprises river terraced sands and gravels which have been formed during the past 3 million years during the current Quaternary Period. Underlying the sand and gravel is the bedrock mudstone of Gunthorpe Member which was deposited during the Triassic Period, 245 million years ago.

### 1.4. Contamination

1.4.1. Since the site lies near to agricultural buildings, there is a risk of contamination from farm yard run-off or leachate from stockpiled supplies of fertilisers, pesticides and fuels. However, testing of the soils, under LQM/CIEH (2015) S4UL Human Health Risk Assessment adjacent to the farm buildings, has shown that anthropogenic and naturally occurring contamination is negligible and does not pose any significant risk to human health.

### 1.5. Preliminary Engineering Recommendations

1.5.1. Boreholes advanced on the site indicated that the river terraced sands and gravels varied in both depth and bearing strength, though the Gunthorpe Member was revealed to have a soil strength sufficient to accept a foundation load for the proposed building.

1.5.2. However, with the building being sited partially in flood zone 2 with high groundwater levels and less dense pockets of surface materials it is recommended that a slab raft foundation is utilised for the project on the basis that sufficient bearing capacity is generated by binding agents added to the sand and gravel. Further details are discussed in the Engineering Assessment and Recommendations section.

1.5.3. Due to the proximity of the Desford Colliery, which ceased mining in 1985, it is advised that a Coal Report is requested for the development.

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## 2. INTRODUCTION

- 2.1. This report has been prepared by RDM Environmental and Geotechnical Engineering Ltd on the instruction of Mr Tim Necklen of Corporate Architecture Ltd on behalf of Amy Knight who proposes to redevelop the site for commercial purposes.
- 2.2. The proposals were outlined in a letter to Mr Necklen dated 21<sup>st</sup> May 2019 reference 'Enq - E2071 - 2024.04.09 - SI Thornton Day Care Centre Thornton Coalville', and this report follows the works outlined.
- 2.3. This report has been prepared generally in accordance with EA procedures given in Land Contamination: Risk Management (LCRM 2019) and to satisfy the requirements of Part C of the Building Regulations. Where appropriate it also takes account of the requirements for land quality management in the NHBC Standards and the National Planning Policy Framework (NPPF).
- 2.4. The purpose of the investigation was to provide a generic quantitative risk assessment (GQRA) to health and safety of the environment, and provide a summary of any recommended mitigation or remedial measures based upon the GQRA.
- 2.5. In undertaking the desktop study, a site reconnaissance was completed. The purpose of this was to obtain visual evidence of potential pollution linkages that may be present on site, or in the immediate vicinity, and thereby properly assess the pollution linkages and comply with the local authority planning policy.
- 2.6. In preparing the desktop search RDM Environmental and Geotechnical Engineering Ltd has obtained Ordnance Survey (OS) maps using the Envirocheck database system. As well as obtaining historical and current OS maps, Envirocheck also provide information compiled from the following agencies:-
- |                                        |                                  |
|----------------------------------------|----------------------------------|
| Environment Agency                     | Centre for Ecology and Hydrology |
| Ordnance Survey                        | Scottish Natural Heritage        |
| Natural Resources Wales                | Natural England                  |
| Public Health England                  | British Geological Survey (BGS)  |
| Scottish Environment Protection Agency | Coal Authority                   |
- 2.7. The conditions stated in the appendix to this report were applied to this investigation and the report is to be read and construed accordingly. Similarly, the Terms of Reference are also appended to this document.

### 3. SITE LOCATION

- 3.1. The site is located at National Grid reference 447245,306574. It lies 11km northwest from the centre of Leicester and 1.3km southeast of the village of Thornton.
- 3.2. The proposed site is rectangular in shape and occupies an area of approximately <0.01Ha. The exact location is shown on the appended historical maps.
- 3.3. Summary details of the site boundaries and adjacent land use are:

| Boundary | Boundary Construction                      | Adjacent Land Use | Proximal Land Use |
|----------|--------------------------------------------|-------------------|-------------------|
| North    | Paddock/field with ditch and hedge         | Agricultural      | Agricultural      |
| East     | Watercourse                                | Agricultural      | Agricultural      |
| South    | Farm buildings including private residence | Agricultural      | Agricultural      |
| West     | Hedge/Highway                              | Agricultural      | Agricultural      |

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#### 4. ENVIRONMENTAL SETTING

- 4.1. With reference to geological maps produced by the British Geological Survey, the site is underlain by superficial deposits of alluvium and/or river terraced sands and gravels. These were formed from riverine tendencies to alter course over time and to over top river channels during periods of heavy rain.
- 4.2. Underlying the superficial deposits is the Gunthorpe Member. This mudstone deposit was formed in a mid-Triassic (circa 240 m.y.a) environment with desert like conditions and where rainfall was minimal with high rates of evaporation lead to formations of gypsum within the mudstone.
- 4.3. According to data published by the Environment Agency, the bedrock is classified as Secondary Aquifer A so that groundwater within the bedrock will be considered as an environmental receptor for the purposes of the conceptual model. The superficial sands and gravels/alluvium is classified by the EA as a secondary A aquifer with a high soil vulnerability.
- 4.4. The soil vulnerability classification groups the many different soils of England and Wales into three classes (High, Intermediate, and Low leaching potential) and six sub classes. Each is based on physical and chemical properties of the soil that affect the downward passage of water and contaminants. These include: texture, structure, soil-water regime, and the presence of distinctive layers such as raw peaty topsoil, rock, or gravel at shallow depth.
- 4.5. Secondary aquifers (variably permeable) can be fractured or potentially fractured rocks, which do not have a primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flows to rivers.
- 4.6. The nearest body of water is the Rothley Brook less than 10m to the east of the site. The watercourse was observed during the walkover survey and the GQA grading for this watercourse was later determined as B (2000).
- 4.7. The GQA grading system sets objectives in water chemistry, biology, nutrients and aesthetics which are combined to give grades ranging from A – very good, to F – bad. Grade B – good, indicate ecosystems will be above normal and abstractions may be used for most purposes.

4.8. The site is not recorded as being located within a groundwater protection zone. These zones have been established by Environment Agency for nearly 2000 groundwater sources used for public drinking water supply. Generally, if a site is not within one of these zones the risk of pollution released on the site affecting the public water supply is negligible or very small.

4.9. Three zones are defined:

|          |                   |                                                                                 |
|----------|-------------------|---------------------------------------------------------------------------------|
| Zone I   | - Inner           | Where the travel time of water in the aquifer to the source is 50 days or less. |
| Zone II  | - Outer           | Either 25% of the source area or a 400 day travel time whichever is greater.    |
| Zone III | - Total Catchment | The total area needed to support the abstraction from the protected source.     |

4.10. The site is not recorded as being within a source protection zone. These zones have been established by Environment Agency for nearly 2000 groundwater sources used for public drinking water supply. Generally, if a site is within one of these zones, the risk of pollution released from the site may affect the public water supply and needs to be considered.

4.11. According to the Environment Agency Flood Data Map the site is recorded as being in flood zone 2. Subsequently, there is a risk of flooding occurring during extreme weather conditions.

4.12. The flooding zone categories are as follows:

|         |                                                                                                                                                                                    |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zone 1  | This zone comprises land as having less than 1:1000 annual probability of river area flooding in any year.                                                                         |
| Zone 2  | This zone comprises land having between a 1:100 and 1:1000 annual probability of river flooding or between a 1:200 and 1:1000 annual probability of sea flooding.                  |
| Zone 3  | This zone comprises land assessed as having a 1:100 or greater annual probability of river flooding or a 1:200 or greater annual probability of flooding from the sea in any year. |
| Zone 3A | This zone comprises land where water has to flow and be stored in times of flood.                                                                                                  |
| Zone 3B | This zone comprises land where water has to flow and be stored in times of flood.                                                                                                  |

## 5. HISTORY OF THE SITE

### 5.1. 1885 – 2011 Maps

- 5.1.1. Ordnance Survey maps from 1885 to 2000 indicate that, in 1885, the site was agricultural. To the north, the Thornton Reservoir is evident with associated waterworks. To the west, the Desford Colliery, with associated brickworks, becomes notable on maps from 1900 with works encroaching from the west, although the mine has been in operation since 1830. Another two coal seams had been mined from drifts at Merrylees leading to structural damage to some surface properties at Barlestone and Newbold Verdon.
- 5.1.2. Maps from 1919 show a small structure has been built within the current vicinity of Barnhills Farm, although there is no further information available of its use.
- 5.1.3. By 1985, Desford Colliery is no longer in operation, but spoil heaps are evident. A sewage works has been established 500m to the west of the site and maps of the site indicate a series of fishponds have been excavated.
- 5.1.4. Maps from 2000 show former mine workings at Merrylees have been re-developed to include an industrial estate with brickworks. The old Desford Mine site is now re-landscaped to provide amenity. Development on the Barnhills Farm site now includes a series of agricultural buildings forming most of that noted during the walk over survey. Linton Farm, a new agricultural development, has been constructed to west of Barnhills Farm.

### 5.2. Site Reconnaissance Survey

- 5.2.1. The walkover survey was undertaken on Monday 22<sup>nd</sup> April 2024. At the time of the survey there were agricultural buildings on the site which were disused with some of the structure (roofs) missing. These were accessed, though no notable contents were observed. Adjacent, to the south, further buildings were noted and these storage areas containing farm machinery.
- 5.2.2. A brief survey was made of the paddock/field to the north of the proposed site which bordered Rothley Brook at the eastern end. The ground was noted to be very soft though a bridge over the brook was crossed which lead to the fishponds beyond. There were no notable items or potentially contaminative land uses observed in this area.

- 5.2.3. A brief survey of the surrounding areas revealed that its land use was identical to that shown on the most recent Ordnance Survey map and so there was no obvious source of contamination that would cause significant risk of significant harm to any environmental, building or human receptor.
- 5.2.4. The site dips gently to the east, towards the Rothley Brook, with a small tributary/ditch forming the boundary of the paddock area with adjacent farmland to the north.

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## 6. SITE SENSITIVITY

- 6.1. A search for data has been made by the Landmark Information Group and supplied under licence to RDM. The data is targeted to find pathways by which contamination could spread to receptors (environmental, human and buildings) vulnerable to contamination as well as the potential sources of contamination. The full data sheets are appended.
- 6.2. The following have been assessed in the site sensitivity dataset for active listings within 1000 metres of the site:

BGS Groundwater Flooding Susceptibility  
Contaminated Land Register Entries and Notices  
Discharge Consents  
Prosecutions Relating to Controlled Waters  
Enforcement and Prohibition Notices  
Integrated Pollution Controls  
Integrated Pollution Prevention and Control  
Local Authority Integrated Pollution Prevention and Control  
Local Authority Pollution Prevention and Controls  
Local Authority Pollution Prevention and Control Enforcements  
Nearest Surface Water Feature  
Pollution Incidents to Controlled Waters  
Prosecutions Relating to Authorised Processes  
Registered Radioactive Substances  
Prosecutions Relating to Controlled Waters.  
River Quality  
River Quality Biology Sampling Points.  
River Quality Chemistry Sampling Points.  
Substantiated Pollution Incident Register  
Water Abstractions  
Water Industry Act Referrals.  
Groundwater Vulnerability  
Drift Deposits  
Bedrock Aquifer Designations  
Source Protection Zones  
Extreme Flooding from Rivers or Seas without Defences  
Flooding From Rivers or Sea without Defences  
Areas Benefiting From Flood Defences  
Flood Water Storage Areas  
Flood Defences

## Detailed River Network Lines

## Detailed River Network Offline Drainage

- 6.3. Entries in the dataset for BGS groundwater flooding susceptibility relate to on site and up to 480m from site. These are concerned with the likelihood that groundwater, under certain conditions, has the potential to cause surface flooding. During the borehole investigation, groundwater levels were shown to have risen to within 0.4m of the surface in some of the boreholes.

- 6.4. Discharge Consents

| Search Radius | Description (current listings only)                                           |
|---------------|-------------------------------------------------------------------------------|
| On site       | None listed                                                                   |
| 0 to 250m     | None listed                                                                   |
| 251 to 500m   | 4 listed – operated 420m from the site discharge of surface water by business |
| 501 to 1000m  | 13 listed – operated by a mixture of business and local water authority.      |

- 6.5. The closest discharge consent is located over 420m from the site and is unlikely to constitute a significant risk of significant harm.
- 6.6. There are three entries in the Integrated Pollution Prevention and Control register, these were set up following the introduction of the IPPC directive in 2008. The aim is to prevent, reduce and eliminate pollution by prioritising efforts on the most significant industrial and agricultural activities. These are unlikely to have any significant effect upon the site since they are controlled to mitigate pollution of any kind. They also focus on the prudent use of natural resources.
- 6.7. There are two entries in the data set for Local Authority Integrated Pollution Prevention and Control within 1000m of the site. Under the Environmental Permitting (England and Wales) Regulations 2010, local authorities must regulate certain types of factory and other activities. This is to reduce any pollution they may cause and to help improve air quality. Businesses which operate these premises must have a permit. Since these permits all relate to air pollution, consideration must be given to these when undertaking a walkover survey since this pollution is dispersed by the wind. However, there were no significant odours detected during the walkover survey.
- 6.8. Controls are also imposed on the brickworks operated by Hanson Bricks. However, regulation for air quality is no longer under Local Authority Pollution Prevention and Controls but has been transferred to regulation covered in 6.7.

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- 6.9. In total there have been thirteen pollution incidents that warrant entry into the Pollution Incident to Controlled Waters register. These were all category 3 (minor) incidents with dating between 1996 and 1998. They are unlikely to cause a significant risk of significant harm.
- 6.10. There are three water abstraction licences in total between 500m and 1000m of the site and a further two between 1000m and 2000m of the site. The closest is 257m northeast from the site. Most entries relate to farming and agriculture and since they are some distance from site, they are unlikely to be at risk as a result of redevelopment of the site.
- 6.11. Entries within the Waste dataset have been assessed for activities within 2000m of the site:

BGS Recorded Landfill Sites

Historical Landfill Sites

Integrated Pollution Control Registered Waste Sites

Licensed Waste Management Facilities (Landfill Boundaries)

Licensed Waste Management Facilities (Locations)

Local Authority Recorded Landfill Sites

Registered Landfill Site

Registered Waste Transfer Sites

Registered Waste Treatment or Disposal Sites

- 6.12. There are three entries in the Historical Landfill Sites register located over 700m from the site. Information available is limited but last input date in the closest was 1958 and the type of waste was not regulated. Since the site is a significant distance from the site there is unlikely to be significant risk of significant harm to the end user or environmental receptor on site.
- 6.13. There is one Licensed Waste Management Facilities (Landfill Boundaries) and one Licensed Waste Management Facilities (Locations) within 1000m of the site. These both relate to Hanson Brickworks, but the facility is now inactive with the license surrendered. Since the operation was located nearly 800m from the site, it is unlikely to constitute a significant residual risk of significant harm.
- 6.14. There are two entries which relate to Landfill Coverage indicating that local authority data has been provided for assessment.

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- 6.15. There are three Local Authority Recorded Landfill Sites within 1000m of the site at Barnhills Farm. All are over 700m away, and since the underlying geology is chiefly of a cohesive nature (Gunthorpe Member), it is unlikely for there to be a significant risk of significant harm to the end user or environmental receptor on site, since the clay will act as an aquitard.
- 6.16. There are a total of five entries in the dataset for Potentially Infilled Land (Water and Non-Water). These were recorded between 1930 and 1985 and are in the area formerly occupied by Desford Colliery. They are all more than 700m from the site so there is unlikely to be significant risk of significant harm to the end user or environmental receptor.
- 6.17. There is one entry in the dataset for Registered Waste Transfer Sites, relating to a very small facility dealing with crash damaged or otherwise written-off cars. The license lapsed in 1993 and the location of the operation is more than 800m away. Consequently, there is unlikely to be a significant risk of significant harm to the end user or environmental receptor.
- 6.18. Assessment for entries within the Hazardous Substance dataset are for activities within 2000m of the site:

Control of Major Accident Hazards Sites (COMAH)

Explosive Sites

Notification of Installations Handling Hazardous Substances

Planning Hazardous Substance Consents

Planning Hazardous Substance Enforcements

- 6.19. There are three entries in the Control of Major Accident Hazards Sites (COMAH) register relating to operations at Flogas (UK) Ltd, sited on the Merrylees Industrial Estate. The latest registry entry supercedes the two prior records, and also further entries under Notification of Installations Handling Hazardous Substances (NIHHS). There is unlikely to be a significant risk as the Flogas (UK) Ltd site is over 500m from the site at Barnhill Farm.

- 6.20. Within the Geological dataset there are no entries within 2000m of the site for the following entries:-

BGS Recorded Mineral Sites  
BGS Urban Soil Chemistry  
BGS Urban Soil Chemistry Averages  
Brine Compensation Area  
Coal Mining Affected Areas  
Mining Instability  
Man-Made Mining Cavities  
Natural Cavities  
Non Coal Mining Areas of Great Britain  
Potential for Collapsible Ground Stability Hazards  
Potential for Compressible Ground Stability Hazards  
Potential for Ground Dissolution Stability Hazards  
Potential for Landslide Ground Stability Hazards  
Radon Potential – Radon Affected Areas  
Radon Potential – Radon Protection Measures

- 6.21. The BGS Estimated Soil Chemistry for Arsenic, Cadmium, Chromium, Lead and Nickel cannot be relied upon for accurate assessment of the degree of contamination on site, as they do not take account of anthropogenic sources within an urban context. So on site testing of soil samples should be undertaken.
- 6.22. There are three our BGS Recorded Mineral Sites within 1000m of the site and these relate to the former operations of the Desford Colliery at Merrylees. Mining took place within deep drifts (>100m bgl) of the Lower Penine Coal Measures mainly to the west of the colliery. A report should be requested from the Coal Authority to negate concerns over any potential effects of ground subsidence that may affect the site.
- 6.23. All other hazards relating to shrinking, swelling of ground, landslip or running sand are described as low or no hazard and therefore unlikely to constitute a significant risk to development of the site.
- 6.24. There is no data provided by The Health Protection Agency relating to radon, so no Radon protection measures are required. However, since superficial deposits of sand and gravel were detected in the boreholes, it would be prudent to install a gas proof membrane to negate any radon accumulations.

- 6.25. Assessment for entries in the Industrial Land Use dataset for activities within 1000m of the site are as follows:

Contemporary Trade Directories Entries  
Fuel Station Entries  
Points of Interest – Commercial Services  
Points of Interest – Education and Health  
Points of Interest – Manufacturing and Production  
Points of Interest – Public Infrastructure  
Points of Interest – Recreational and Environmental  
Gas Pipelines  
Underground Electrical Cables

- 6.26. The following contemporary trade directory entries are applicable to the site:

|             |            |
|-------------|------------|
| On Site     | 0 Entries  |
| 0 – 250m    | 3 Entries  |
| 251 – 500m  | 0 Entries  |
| 501 – 1000m | 57 Entries |

- 6.27. There was no specific entry in the directory that would cause significant concern to the development. The majority of operations, i.e. motor engineers, clothing stockists and warehousing evident on the Merryless Industrial Estate are no different from those that might be encountered in any other commercial environment. Operations by Flogas (UK) Ltd are covered under COMAH restrictions and regulations.
- 6.28. There is one fuel station entry in the dataset, but this is 800m from the site and so is unlikely to present a significant risk of significant harm to the critical receptor.

- 6.29. Assessment of entries within the Sensitive Land Use dataset for activities within 2000m of the site are as follows:

Areas of Adopted Green Belt  
Areas of Unadopted Green Belt  
Areas of Outstanding Nature Beauty  
Environmentally Sensitive Areas  
Forest Parks  
Local Nature Reserves  
Marine Nature Reserves  
National Nature Reserves  
National Parks  
Nitrate Sensitive Areas  
Nitrate Vulnerable Zones  
Ramsar Sites  
Sites of Special Scientific Interest  
Special Areas of Conservation  
Special Protection Areas

- 6.30. The site is listed as being within a nitrate vulnerable zone but this zoning relates only to restrictions on the use of agricultural fertilisers, and is therefore not considered significant for residential/commercial development

## 7. INITIAL CONCEPTUAL MODEL

### 7.1. Introduction

7.1.1. United Kingdom Government guidance on the assessment of contaminated land requires risk to human health, to buildings and to the environment to be reviewed using source-pathway-receptor linkage relationships. If each of these elements is present, the pollution linkage provides a potential risk to the identified receptors.

7.1.2. The initial conceptual model of the site is therefore based upon:

- The sources of contamination which may be present on, or may have an effect upon, the site.
- The possible exposure pathways which may exist between sources and receptors.
- The potential receptors which may be present on or adjacent to the site and their sensitivity.

7.1.3. This model is set in the context of the possible redevelopment of the site for commercial usage and takes into account all the environmental, geological, hydrogeological and historical information gathered and recorded in this report.

### 7.2. Potential Contamination Sources

7.2.1. The desktop data revealed that the site prior to circa 1919 had only been developed with a single small structure (function unknown) but underwent further development in the 1980s to include agricultural buildings currently apparent. Having examined the site, undertaken a site reconnaissance survey and assessed the land use, the potential for contamination affecting the site is considered as follows:

### 7.3. Historical On-site Sources

7.3.1. Potential for storage of pesticides, fuel oils and other chemicals associated with agricultural operations.

### 7.4. Current On-site Sources

7.4.1. The site reconnaissance survey and desktop data revealed that the current on-site sources are the potential for asbestos content to have been used in the current structures i.e. cement sheeting on the roofs or enclosures.

## 7.5. Historical Off-site Sources

7.5.1. The review of the desktop information and the walkover survey has revealed that there are no areas of potential concern that would restrict development on the site.

## 7.6. Current Off-site Sources

7.6.1. The review of the desktop information and the walkover survey has revealed that there are no areas of potential concern that would restrict development on the site.

## 7.7. Potential Pathways

7.7.1. Possible pathways for the transportation of possible sources of contamination are:

- A. Direct contact and associated dermal exposure, including ingestion and inhalation of soil particles (dusts).
- B. Inhalation of possible ground gases from accumulation in habitable spaces
- C. Direct contact between buried structures and the soil.
- D. Ingestion of soil and dust attached to vegetables and fruit trees.
- E. Underground services may act as a pathway.

## 7.8. Receptors

7.8.1. The most vulnerable potential receptors for commercial developments are normally females below the age of 21. However, considering the proposed function of the development, the most sensitive are:

- A. 0 – 6 year old female child
- B. Properties on the site
- C. Buried structures and services
- D. Underlying secondary aquifer.

## 7.9. Source - Pathway - Receptor Linkages Risk Assessment

| Scenario                                                                                          | Source                                                                | Pathway                                                         | Receptor              | Comments on potential pollution linkage                                                                                          | Complete? | Risk rating   |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------|---------------|
| Impact on health of future site users from contaminants within the shallow soils beneath the Site | Potential contaminants from on-site storage of agricultural chemicals | Dermal contact with soil or dusts vapours or ingestion of soils | End users of the Site | Commercial re-development is proposed but most vulnerable receptor will be 0- to 6-year-old female child (nursery age children). | Potential | <b>Medium</b> |
| Impact on                                                                                         | Potential                                                             | Dermal                                                          | Construction          | Contractors should consider                                                                                                      | Potential | <b>Low</b>    |

| health of construction workers                                               | contaminants on-site and migrating from off-site | contact or ingestion or inhalation of dusts | workers                            | development risks and select PPE as appropriate                                                                                            |          |            |
|------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| Migration and accumulation of dusts to off-site receptors                    | Potential contaminants in the soil.              | Inhalation of dusts and/or vapours          | Neighbouring properties or persons | Installation of appropriate protection measures will likely mitigate any risks to neighbouring properties and persons                      | Unlikely | <b>Low</b> |
| Migration and accumulation of ground gases (e.g., CO <sub>2</sub> and Radon) | Potential for migration to site and off-site     | Gas intrusion to habitable spaces           | End users of the Site              | Organic content in any made ground releasing methane. Migration of CO <sub>2</sub> and Radon from natural sources i.e., underlying geology | Unlikely | <b>Low</b> |
| Impact on ground water regime                                                | Potentially contaminated soils                   | Pore-water in geology, aquifer              | End users of the Site              | Ground water presence should be assessed in Phase II                                                                                       | Unlikely | <b>Low</b> |

## **8. FIELDWORK**

- 8.1. On Monday 22<sup>nd</sup> April the site was attended with a small borehole rig which advanced a series of four boreholes to depths of between 3.00m and 4.00m within the vicinity of the proposed development.
- 8.2. The position of the boreholes was carefully considered in order to be able provide the maximum information relating to geotechnical requirements.
- 8.3. A Standard Penetration Test (SPT), made in accordance with BS1377 Part 9, was undertaken at 1m intervals for the full depth of each of the boreholes and the results are included in the borehole log appended to this report.
- 8.4. The SPT test involves counting the number of blows required to drive a standard 50.8mm diameter split spoon sampler through a distance of 450mm using a 63.5kg monkey falling through a distance of 760mm. The number of blows required to drive the sampler through 300mm is recorded. Where the number of blows, required to achieve the 300mm penetration, exceeds 50 the number is normally indicated as 50 and the actual depth of penetration for the 50 blows is recorded.
- 8.5. One-metre samples, recovered from the boreholes, were labelled and taken to a soil property testing laboratory for determination of various geotechnical properties
- 8.6. Small, disturbed samples of the near surface strata were recovered, placed in appropriate containers and transported to a laboratory for contamination testing.
- 8.7. In WSBH1 and WSBH3, collapse was experienced which meant that boreholing was abandoned in favour of DPSH probing. The probe data is not reliably comparable to SPT measurements, but it is useful in identifying softer or more competent layers. Probe results are referred to in the borehole logs.
- 8.8. One of the boreholes was used to undertake a falling head permeability test to identify infiltration properties of the soils. This involved using a monitoring well and datum, with results recorded over a period of time. The results of this test are discussed later in the report.

## 9. LABORATORY TESTING

- 9.1. A programme of geotechnical testing was scheduled and carried out in accordance with the requirements of BS1377: 1990. Samples from varying depths were tested for moisture content, Atterberg Limits (classification tests), pH and sulphate content with triaxial testing.
- 9.2. The laboratory testing to determine geotechnical properties of the near surface soils was undertaken by Soil Property Testing of Huntingdon. Testing was undertaken in accordance with the requirements of BS1377:1990. Soil Property Testing follow a Quality Audit system which has been designed to ensure continual compliance to BSEN ISO/IEC 17025:2005. The laboratory is also regularly audited by UKAS and holds accreditation for the specific tests identified above.
- 9.3. A programme of contamination testing was scheduled and carried out following the site reconnaissance survey and review of the desktop data.
- 9.4. Laboratory testing to determine environmental properties of the near surface soils was undertaken by CTS of Leicester. Testing was undertaken and where shown in the results MCERTS accreditation was provided. CTS also follow a Quality Audit system which has been designed to ensure continual compliance to BSEN ISO/IEC 17025:2005 and the laboratory is also regularly audited by UKAS and holds accreditation for specific tests identified.
- 9.5. The site has only ever been developed for agricultural purposes within the last 100 years. The desktop study data and walkover survey has revealed that there is a possibility that some contamination may exist on site. Subsequently, the following programme of contamination testing on all the near-surface soils samples recovered from the site was scheduled for the following contaminants:

|                          |                                              |
|--------------------------|----------------------------------------------|
| Arsenic                  | Pesticides                                   |
| Cadmium                  | Chromium                                     |
| Copper                   | Chromium (Hexavalent) (if total significant) |
| Lead                     | Mercury                                      |
| Nickel                   | Selenium                                     |
| Sulphate (water soluble) | Zinc                                         |
| Total Cyanide            | Free Cyanide (if total significant)          |
| PH                       | Sulphide (acid soluble)                      |
| Organic matter           | TOC/SOM                                      |
| Phenols (total)          | TPH Aliphatic (TPH)                          |
| TPH Aromatic (TPH)       | Speciated Poly-Aromatic Hydrocarbons (PAH).  |

- 9.6. The results of all the laboratory tests are appended.

**10. GENERAL GEOLOGY AND REVEALED STRATA**

- 10.1. The geological map for the area produced by the British Geological Survey indicates that the site is underlain by superficial deposits of river terraced sand & gravels and/or alluvium.
- 10.2. Alluvium is formed by river channels being overtopped during heavy rainfall and allowing water-suspended sedimentation to settle on adjacent soils. Repeated flooding in this manner allows sediments to build up forming loose deposits of clay, silt, sand and gravels. The density of these deposits can vary but often they are considered soft deposits and are not known for their resistance to imposed loads from buildings.
- 10.3. Alluvial deposits can also overlie existing superficial deposits, so that a predominantly sand and gravel formation, i.e. river terracing, can become clay-bound with sediments that have been washed in.
- 10.4. In all the four boreholes advanced on the site, clay-bound sand & gravel was found as near surface deposits, often with dense surface layers becoming less dense with depth. The thickness of the deposits found also varied according to the formation the original terracing. This is seen when comparing depths of surface deposits in WSBH1 and WSBH4.
- 10.5. Underlying the superficial deposits is the Gunthorpe Member, which is a reddish-brown mudstone with subordinate sandstone layers formed in desert-like conditions where rainfall is scant, but evaporation is rapid. Often, these environments would experience heavy rainfall forming temporary lakes which would then evaporate rapidly. In this manner, gypsum was formed, and gypsum crystals are a common feature of these types of environments.
- 10.6. Groundwater was encountered in all the boreholes, and this was responsible for the collapse of WSBH1 and WSBH3 at 1.60m bgl and 1.70 respectively. Groundwater in WSBH1 was recorded to be within 0.40m of the surface.

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## 11. ENGINEERING ASSESSMENT AND RECOMMENDATIONS

- 11.1. Boreholes advanced on the site indicated that the river terraced sands and gravels varied in depth at between 2.50m and 1.50m, as they overlay the Gunthorpe Member (mudstone), concurrent with the action of rivers and the varying nature of riverine depositions. Density measurements from the borehole data show that the sands and gravels are, on a mean basis, medium dense ( $q_{ult}=150 > < 350 \text{ kN/m}^2$  after '*Foundation Design and Construction*', Tomlinson 4<sup>th</sup> edition) but testing showed pockets of looser or less dense sands and gravels.
- 11.2. Information from the boreholes revealed that the Gunthorpe Member is up to 2.50m depth, although this varies. Soil strength at the surface of the mudstone was uniform in the boreholes and sufficient to accept a bearing of  $q_{safe}= 107 \text{ kN/m}^2$ .
- 11.3. Therefore, founding for the development will need to be designed to overcome variations in depths of formations together with materials that react differently to loading, i.e. settlements in clays different from settlements in sand/gravel. Further limitations or requirements are:
- natural variations in density of the sand & gravels
  - the eastern extent of the proposed structure is in flood zone 2 and therefore will need to be raised 600mm above design flood level.
  - Any part of the structure using a compacted non-cohesive base will need to overcome the reduction in bearing capacity following the initial seasonal changes and influx of ground/flood water.
- 11.4. The solution conceivably lies in a slab or raft design which benefits from a retained sub-base structure, where a level sub-base is achieved through treatment of compacted granular materials which will be impervious to the initial influx of raised groundwater levels and/or flood water levels.
- 11.5. The retention method would use gabions founded on sands and gravels, wherein some settlement or movement is of little consequence, providing the retaining structure is constructed according to design flood levels, and allows final floor heights to be of the correct level.
- 11.6. Methods to provide some cohesion in the materials forming the sub-base, must consider the likelihood that binding treatments may need to cure in saturated conditions. Therefore, with reference to the various types of binding agent, the most suitable is likely to be cement or a mixture of lime and cement applied with a layer of Terram to prevent horizontal destabilization of levels during curing. It is recommended that a reputable contractor be consulted for this purpose.

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- 11.7. Ultimately, the aim of the treated or bound sub-base is to remove the potential for water to reduce the frictional forces between the mechanically interlocking faces within the gravel. This frictional element contributes 20% to 40% to the overall shear strength in granular soils, so for this to be removed under the section of the structure susceptible to the influx of floodwater, would be detrimental to the structure. Once the sub-base is bound sufficiently, the slab or raft structure can be cast.
- 11.8. Ascertaining levels for the depth of the bound sub-base, and the level of retaining structures is critical to founding. Consideration must be given to where the water table is according to seasonal changes when the sub-base is constructed. Once the binding treatment is complete, a series of tests can be undertaken to determine the compaction achieved, by means of elastic modulus. Consideration must also be given to the susceptibility of the sub-base to frost.
- 11.9. Excavations for foundations and services are expected to be affected by groundwater levels and the use of a submersible pump should be sufficient to keep water levels sufficiently low to enable concrete or services to be installed. Groundwater levels are usually at their highest towards the end of winter or early spring, this may have a significant effect on any excavations that are undertaken during this time.
- 11.10. The results of soluble sulphate concentration tests were assessed in accordance with BS8500-1 Table A:2. Accordingly the site is classified in Sulphate Class AC-1 of the ACEC classification and concrete placed in direct contact with the ground should be chosen to comply with the requirements of DS-1.
- 11.11. On site testing of the soils for permeability revealed that groundwater levels were too high for the test to be successful. On this basis, surface water drainage will need to be discharged locally at an attenuated rate, and the most suitable recipients would be Rothley Brook or its tributary, which is located on the far side of the adjacent paddock. A detailed drainage design will need to be provided, and this should be undertaken by a drainage engineer. Attenuation tanks will need to be restrained to avoid uplift and disturbance of surface materials.
- 11.12. Reference to UKRadon has revealed that radon emission limits (residential - 200 Becquerels/m<sup>3</sup>) are exceeded in less than 1% of local residences. However, the presence of gravels on the site at significant depth (2.5m) would indicate that radon would likely be present above acceptable limits. Therefore, a radon proof membrane will need to be included in the floor structure with a sump added according to criteria in BR211 (BRE Publications).
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- 11.13. Should soils be revealed during construction works that are different in any way to those revealed in the windowless boreholes then an engineer should be consulted prior to proceeding with further excavations.
- 11.14. Where any person is required to enter into a trench or excavation it is recommended that the sides are shored up in accordance with current best practice and as accepted by the Health and Safety Executive which is published in "Health and Safety in Construction (HSG 150)" which is available to download from [www.hse.gov.uk](http://www.hse.gov.uk).

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## 12. GUIDANCE ON ASSESSMENT/ANALYSIS OF CONTAMINATION

- 12.1. Prior to 2015, the principal numerical criteria used in the UK to assess the significance of the results of contamination testing on soil samples were the Soil Guideline Values which were published in Contaminated Land Research Reports Nos. 7-10 inclusive, and the accompanying Research and Development Publications (TOX and SGV series) published by the Department for Environment, Food and Rural Affairs (DEFRA) and the Environment Agency (2002). Also, between 2002 and 2005 CLEA UK(beta) software was released along with briefing note 1 to 4. Then in 2006 the Department for Environment, Food and Rural Affairs (DEFRA) release "Soil Guideline Values - The Way Forward" in an attempt to clarify matters.
- 12.2. In August 2008, the Environment Agency published revised CLEA framework guidance in SR2, 3 and 4 along with CLEA v1.03 (beta software); this software was a test version and comments upon its usefulness were requested. The original SGVs were withdrawn together with CIR7-10 but the accompanying TOX reports that were issued at the same time were not.
- 12.3. Soil Guideline Values (SGVs) were formulated to represent a combination of authoritative science and policy judgements. The scientific information included human toxicological information on health effects of different contaminants, and judgement on what is regarded as "unacceptable risk". Soil is also only one source of contaminant exposure, and its effects need to be kept in proportion with total exposure from all sources.
- 12.4. Generic SGVs were capable of use over a wide range of soil conditions and types of site. They were based on the underlying, albeit incomplete, science of contaminant behaviour, human activity patterns, and contaminant toxicology. Although these make the derivation of generally applicable criteria difficult, use of "worst-case" assumptions are more likely to result in impracticable or over-conservative criteria.
- 12.5. The SGVs were designed to generate a consistent approach to the investigation of contaminated land and also to assist in focusing resources on situations that required a more detailed assessment. Guidance on additional organic contaminants, in particular, has yet to be published.
- 12.6. DEFRA is actively promoting a site-specific risk assessment methodology to support professional judgement. The Contaminated Land Exposure Assessment Model (CLEA) was originally detailed in CLR10 and this described the conceptual exposure models for each standard land use used to derive the SGVs, this was replaced by SR3 in August 2008 and then revised again in January 2009. The CLEA model itself was also revised in January 2009 to v1.04 and a handbook (SR4) was also issued.

- 12.7. In late 2009 the LQM/CIEH Generic Assessment Criteria for Human Health Risk Assessment Second Edition was published which provides GAC values for the 'common' contaminants based upon the principles published by the Environment Agency and uses the CLEA model to define values.
- 12.8. Category 4 Screening Levels (C4SLs) were prepared by DEFRA under the Research Project SP1010 and have replaced the CLEA Soil Guideline Values. In July 2013, provisional values for Arsenic, Benzene, Benz[a]pyrene, Cadmium, Hexavalent Chromium and Lead were released. Of these, only the values for Lead (pC4SLs), presented at the Yorkshire Contaminated Land Forum (July 2013) are used in this assessment.
- 12.9. Contamination in near surface soils needs to be considered with respect to water supply pipes and initially risk guidance was supplied by Water Regulations Advisor Scheme (WRAS) but these have been replaced with guidance produced by United Kingdom Water Industry Research (UKWIR). However, some local water authorities still use the old guidance. For the purposes of this report it is assumed that all water supply pipes will be in MDPE however, if other types of pipes are used then lower threshold values may be appropriate.
- 12.10. In early 2015, LQM/CIEH S4ULs for Human Health Risk Assessment was published providing clarification on S4ULs to be used for the assessment of risk posed to human health by contaminants in soil. This publication has become the accepted guidance criteria for current assessment of soil contamination.

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**13. CONTAMINATION ASSESSMENT – UPDATED SITE CONCEPTUAL MODEL**

- 13.1. For the purposes of this risk assessment, the LQM/CIEH (2015) S4UL Human Health Risk Assessment (and C4SLs) for a public open space land use model represent the maximum concentrations for the substances assessed. The relevant S4UL fractions have been determined by the soil organic carbon content (SOC).
- 13.2. Each determinand for which a published S4UL exists has a mean and standard deviation calculated, and then, "T-tests" carried out (Mean Value and Maximum Value Tests). Reference is then made to the S4UL for the individual determinand in order to assess the level of risk posed.
- 13.3. Assessment of contamination has been based on the guidance given in "Guidance on Comparing Soil Contamination Data with a Critical Concentration" (Chartered Institute of Environmental Health and Contaminated Land: Application in Real Environments, May 2008), SR2, 3 and 4 inclusive, the LQM/CIEH (2015) S4UL Human Health Risk Assessment.
- 13.4. The samples recovered from the Site were found to be relevant, sufficient, reliable and transparent based upon the requirements indicated in the "Guidance on Comparing Soil Contamination Data with a Critical Concentration".
- 13.5. Mean concentration of a determinand based on a low number of samples may be a poor indicator of the true mean (population) for the Site as a whole. A conclusion over remediation based on a comparison of such a sample mean against the S4UL may not be sufficiently health protective. Therefore, the Mean Value Test allows a statement to be made with a given level of confidence (usually 95%) that the population mean is less than the S4UL and takes into account the number of samples analysed.
- 13.6. The calculated values of the upper confidence level of the sample group (US95) may be compared with the S4UL, and if it is less, then the Mean Value Test has been passed and the Site may be considered not to present a significant possibility of harm to human health within the context of Part IIA of the Environment Protection Act. Where a result shows the concentration to be less than the limit of detection adopted for the analysis, the value of the limit of detection has been used in the calculation.
- 13.7. The calculation is based on the following equation:

$$US_{95} = \bar{x} + t \cdot s / \sqrt{n}$$

Where:  $\bar{x}$  is the mean,  $t$  is a statistical function based on sample size,  $s$  is standard deviation and  $n$  is the number of samples.

- 
- 13.8. The S4UL used are those for the category of land use (in this case, proposed land use) "Commercial", however the typical exposure demographic will be a 0-6 year old child.
- 13.9. The Maximum Value Test is used to determine whether the maximum value of a determinand from a set of analyses is likely to have come from the same population as other concentrations for that determinand, or whether it is a statistical outlier (hot-spot).
- 13.10. If the value of T is smaller than some critical value, determined from statistical tables and based on the number of samples, the maximum value may be accepted (at the prescribed level of confidence) as a member of the underlying population from which the other results were drawn.
- 13.11. If T is greater than the critical value, the maximum value is treated as an outlier. This may indicate a hot-spot of contamination requiring additional investigation in order to reveal its extent. The Maximum Value Test uses the relationship:

$$T = (y_{\max} - \bar{y})/S_y$$

Where:  $y_{\max}$  is the log of the maximum value of a population,  $\bar{y}$  is the mean value of the logs of the population and  $S_y$  is the standard deviation from the mean of the logs of the population.

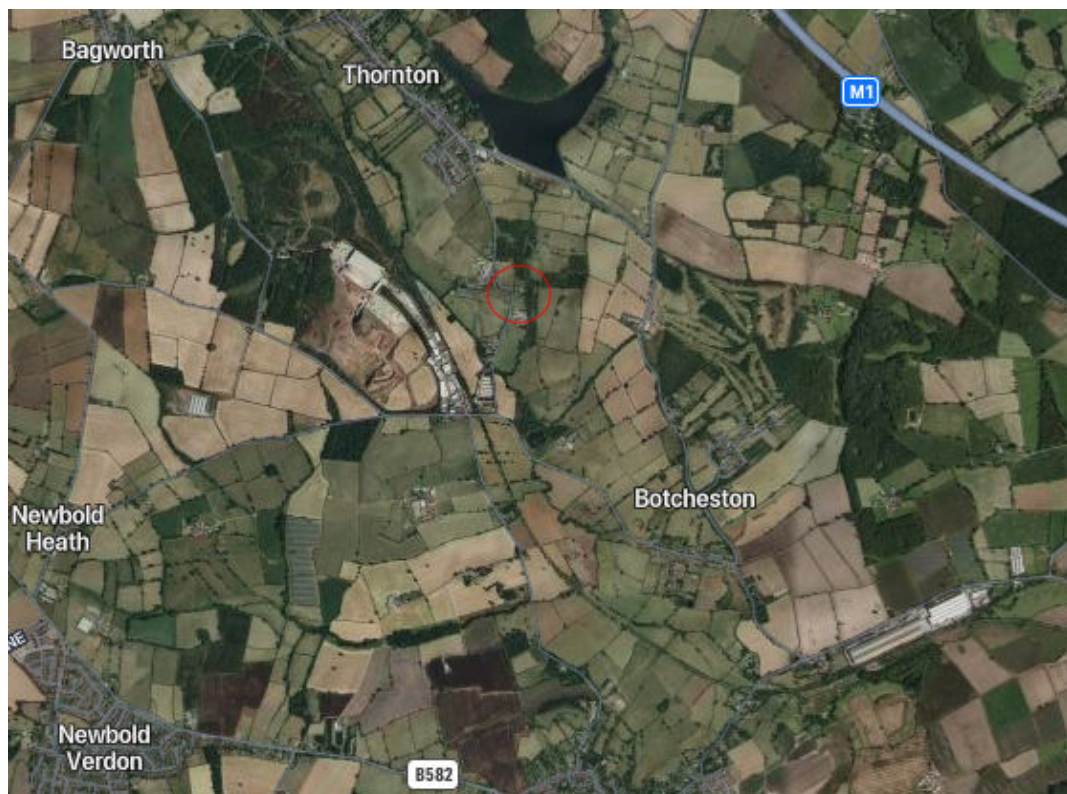
- 13.12. Of the contaminants for which the S4ULs are currently available none were detected in excess of the respective S4UL criteria (results are appended):
- 13.13. As near surface soils recovered on-site do not contain significant concentrations of source contaminants, the risk associated with contaminating any ground water, as a result of the development, is considered insignificant.
- 13.14. No asbestos fibres were identified in the soil samples recovered from the site.
- 13.15. No significant levels of fill were encountered on the site and the revealed geology indicates that the underlying stratum will not have a propensity to generate methane or carbon dioxide. Consequently, the risk to properties and the receptor is considered acceptable.

**14. CONTAMINATION RECOMMENDATIONS**

- 14.1. Of the soils tested, none were found to contain source elevations to exceeding the relevant published criteria in LQM/CIEH S4UL for Human Health Risk Assessment (2015). Consequently, the risk associated with causing significant harm to the end user (0 to 6 year old female child) is considered acceptable.
- 14.2. Since no significant concentrations of source contaminants was identified on site, the risk associated with construction workers and site visitors is also considered acceptable however, this should be further minimized by undertaking the following precautions:-
- Wearing protective clothing including gloves to limit direct contact with soil
  - The site should be kept damp which will keep the dust concentrations to a minimum but if this is not possible and dust is generated then dust masks should be worn by workers and visitors.
  - It is outside the brief of this report to provide guidance on site working practices, however the appendices provide some references.
- 14.3. Care should be taken during excavation working of the site to investigate any soils which seem by appearance or odour to be of different or unusual character. Should materials of this nature be uncovered then it is likely that further testing will need to be undertaken to validate levels of contamination.

## **APPENDIX I**

### **SITE LOCATION PLAN**



## **APPENDIX II**

### **BOREHOLE LOCATION PLAN**



WSBH1  
WSBH2  
WSBH3  
WSBH4

## **APPENDIX III**

### **BOREHOLE LOGS**

Borehole Log

|                                                                   |            |                                   |            |                                                   |  |                                         |  |
|-------------------------------------------------------------------|------------|-----------------------------------|------------|---------------------------------------------------|--|-----------------------------------------|--|
| Borehole ref:<br><b>RDM1193/WSBH1</b>                             |            | Project Name:<br><b>Coalville</b> |            | Client:<br><b>Amy Knight</b>                      |  | Project Number:<br><b>RDM 1193</b>      |  |
| Address:<br><b>Land at Barnhills Farm, Merrylees Rd, Thornton</b> |            |                                   |            | Drilling contractor:<br><b>Cowan Drilling Ltd</b> |  | Drill rig type<br><b>Window Sampler</b> |  |
| Logged by:<br><b>R Gray</b>                                       |            | Started<br><b>22/04/2024</b>      |            | Hammer<br><b>63.5kg</b>                           |  | Hammer Drop<br><b>760mm</b>             |  |
| Driller<br><b>J Hogg</b>                                          |            | Completed<br><b>18/04/2024</b>    |            | Depth of bore (m)<br><b>5</b>                     |  | Diameter (mm)<br><b>115</b>             |  |
| Elevation                                                         | <b>n/a</b> | Backfilled                        | <b>yes</b> | G/water depth(m) First/Last: <b>0.92 / 0.43</b>   |  |                                         |  |

| Depth (m)<br>Sample No | % Ret'd | N Val | SPT Depth (m) | Legend | G/water | Description                                                                                                                                                   | Field Notes/Thickness |
|------------------------|---------|-------|---------------|--------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| U1                     | 70      |       |               |        |         | Brown day FILL with cobbles                                                                                                                                   | 0.2                   |
|                        |         |       |               |        |         | Brown silty CLAY with pebbles                                                                                                                                 | 0.3                   |
| 1                      |         |       |               |        |         |                                                                                                                                                               |                       |
|                        |         | 33    | 1.15 - 1.45   |        |         | Brown low to medium dense SAND & GRAVELS slightly claybound. Gravel is fine to coarse rounded and sub-rounded chert and flint (RIVER TERRACED SAND & GRAVELS) | 2                     |
| U2                     | 70      |       |               |        |         |                                                                                                                                                               |                       |
| 2                      |         |       |               |        |         |                                                                                                                                                               |                       |
|                        |         | 14    | 2.15 - 2.45   |        |         |                                                                                                                                                               |                       |
| U3                     | 80      |       |               |        |         |                                                                                                                                                               |                       |
| 3                      |         |       |               |        |         |                                                                                                                                                               |                       |
|                        |         |       |               |        |         | PROBED due to borehole collapse at 1.6m. Data consistent with firm weathered mudstone surface                                                                 | 2.5                   |
| 4                      |         |       |               |        |         |                                                                                                                                                               |                       |
| 5                      |         |       |               |        |         |                                                                                                                                                               |                       |

Key:

Clays

Topsoil

Fill

Sands

Other

G/W Struck

G/W Last

**RDM**

Environmental and Geotechnical Engineering Ltd

Borehole Log

|                                                                   |            |                                   |            |                                                   |  |                                         |  |
|-------------------------------------------------------------------|------------|-----------------------------------|------------|---------------------------------------------------|--|-----------------------------------------|--|
| Borehole ref:<br><b>RDM1193/WSBH2</b>                             |            | Project Name:<br><b>Coalville</b> |            | Client:<br><b>Amy Knight</b>                      |  | Project Number:<br><b>RDM 1193</b>      |  |
| Address:<br><b>Land at Barnhills Farm, Merrylees Rd, Thornton</b> |            |                                   |            | Drilling contractor:<br><b>Cowan Drilling Ltd</b> |  | Drill rig type<br><b>Window Sampler</b> |  |
| Logged by:<br><b>R Gray</b>                                       |            | Started<br><b>22/04/2024</b>      |            | Hammer<br><b>63.5kg</b>                           |  | Hammer Drop<br><b>760mm</b>             |  |
| Driller<br><b>J Hogg</b>                                          |            | Completed<br><b>22/04/2024</b>    |            | Depth of bore (m)<br><b>4</b>                     |  | Diameter (mm)<br><b>115</b>             |  |
| Elevation                                                         | <b>n/a</b> | Backfilled                        | <b>yes</b> | G/water depth(m) First/Last: <b>1.49 / 1.31</b>   |  |                                         |  |

| Depth (m)<br>Sample No | % Ret'd | N Val | SPT Depth (m) | Legend                                                                             | G/water                                                                           | Description                                                                                                                                                   | Field Notes/Thickness |
|------------------------|---------|-------|---------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| U1                     | 80      |       |               |   |                                                                                   | Brown day FILL with cobbles                                                                                                                                   | 0.2                   |
| 1                      |         | 7     | 1.15 - 1.45   |   |  | Brown low to medium dense SAND & GRAVELS slightly claybound. Gravel is fine to coarse rounded and sub-rounded chert and flint (RIVER TERRACED SAND & GRAVELS) | 1.3                   |
| U2                     | 80      | 15    | 2.15 - 2.45   |  |  | Firm reddish brown slightly gravelly slightly sandy CLAY. Gravel is fine to coarse rounded and sub-rounded chert and flint (GUNTHORPE MUDSTONE)               | 2.5                   |
| U3                     | 90      | 17    | 3.15 - 3.45   |                                                                                    |                                                                                   |                                                                                                                                                               |                       |
| U4                     | 90      | 27    | 4.15 - 4.45   |                                                                                    |                                                                                   |                                                                                                                                                               |                       |
| 4                      |         |       |               |                                                                                    |                                                                                   |                                                                                                                                                               |                       |

Key:

 Clays

 Sands

 Topsoil

 Fill

 Limestone/Chalk

 Other

 G/W Struck

 G/W Last

**RDM**  
Environmental and Geotechnical  
Engineering Ltd

Borehole Log

|                                                                   |            |                                   |            |                                                   |  |                                         |  |
|-------------------------------------------------------------------|------------|-----------------------------------|------------|---------------------------------------------------|--|-----------------------------------------|--|
| Borehole ref:<br><b>RDM1193/WSBH3</b>                             |            | Project Name:<br><b>Coalville</b> |            | Client:<br><b>Amy Knight</b>                      |  | Project Number:<br><b>RDM 1193</b>      |  |
| Address:<br><b>Land at Barnhills Farm, Merrylees Rd, Thornton</b> |            |                                   |            | Drilling contractor:<br><b>Cowan Drilling Ltd</b> |  | Drill rig type<br><b>Window Sampler</b> |  |
| Logged by:<br><b>R Gray</b>                                       |            | Started<br><b>22/04/2024</b>      |            | Hammer<br><b>63.5kg</b>                           |  | Hammer Drop<br><b>760mm</b>             |  |
| Driller<br><b>J Hogg</b>                                          |            | Completed<br><b>22/04/2024</b>    |            | Depth of bore (m)<br><b>5</b>                     |  | Diameter (mm)<br><b>115</b>             |  |
| Elevation                                                         | <b>n/a</b> | Backfilled                        | <b>yes</b> | G/water depth(m) First/Last: <b>1.67 / 1.32</b>   |  |                                         |  |

| Depth (m)<br>Sample No | % Ret'd | N Val | SPT Depth (m) | Legend | G/water | Description                                                                                                                                                   | Field Notes/Thickness |
|------------------------|---------|-------|---------------|--------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| U1                     | 80      |       |               |        |         | Brown clay FILL with gravel                                                                                                                                   | 0.2                   |
|                        |         |       |               |        |         | Brown silty CLAY with pebbles                                                                                                                                 | 0.4                   |
| U2                     | 90      | 20    | 1.15 - 1.45   |        |         | Brown low to medium dense SAND & GRAVELS slightly claybound. Gravel is fine to coarse rounded and sub-rounded chert and flint (RIVER TERRACED SAND & GRAVELS) | 1.4                   |
|                        |         |       |               |        |         |                                                                                                                                                               |                       |
| U3                     | 90      | 14    | 2.15 - 2.45   |        |         | Firm reddish brown slightly gravelly slightly sandy CLAY. Gravel is fine to coarse rounded and sub-rounded chert and flint (GUNTHORPE MUDSTONE).              | 1                     |
|                        |         |       |               |        |         |                                                                                                                                                               |                       |
|                        |         |       |               |        |         | PROBED from 3.00m with no inconsistency                                                                                                                       | 2                     |

Key:

Clays

Sands

Topsoil

Fill

Limestone/Chalk

Other

G/W Struck

G/W Last

**RDM**

Environmental and Geotechnical Engineering Ltd

Borehole Log

|                                                                   |            |                                   |            |                                                       |  |                                         |  |
|-------------------------------------------------------------------|------------|-----------------------------------|------------|-------------------------------------------------------|--|-----------------------------------------|--|
| Borehole ref:<br><b>RDM1193/WSBH4</b>                             |            | Project Name:<br><b>Coalville</b> |            | Client:<br><b>Amy Knight</b>                          |  | Project Number:<br><b>RDM 1193</b>      |  |
| Address:<br><b>Land at Barnhills Farm, Merrylees Rd, Thornton</b> |            |                                   |            | Drilling contractor:<br><b>Cowan Drilling Ltd</b>     |  | Drill rig type<br><b>Window Sampler</b> |  |
| Logged by:<br><b>R Gray</b>                                       |            | Started<br><b>22/04/2024</b>      |            | Hammer<br><b>63.5kg</b>                               |  | Hammer Drop<br><b>760mm</b>             |  |
| Driller<br><b>J Hogg</b>                                          |            | Completed<br><b>22/04/2024</b>    |            | Depth of bore (m)<br><b>4</b>                         |  | Diameter (mm)<br><b>115</b>             |  |
| Elevation                                                         | <b>n/a</b> | Backfilled                        | <b>yes</b> | G/water depth(m) First/Last: <b>2.8</b> / <b>1.76</b> |  |                                         |  |

| Depth (m)<br>Sample No | % Ret'd | N Val | SPT Depth (m) | Legend                                                                              | G/water                                                                             | Description                                                                                                                                                   | Field Notes/Thickness |
|------------------------|---------|-------|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| U1                     | 80      |       |               |    |                                                                                     | Brown TOPSOIL grass over                                                                                                                                      | 0.4                   |
| 1                      |         | 8     | 1.15 - 1.45   |    |                                                                                     | Brown low to medium dense SAND & GRAVELS slightly claybound. Gravel is fine to coarse rounded and sub-rounded chert and flint (RIVER TERRACED SAND & GRAVELS) | 1                     |
| U2                     | 90      |       |               |   |  | Firm reddish brown slightly gravelly slightly sandy CLAY. Gravel is fine to coarse rounded and sub-rounded chert and flint (GUNTHORPE MUDSTONE).              | 2.6                   |
| 2                      |         | 16    | 2.15 - 2.45   |                                                                                     |                                                                                     |                                                                                                                                                               |                       |
| U3                     | 80      |       |               |  |  |                                                                                                                                                               |                       |
| 3                      |         | 16    | 3.15 - 3.45   |                                                                                     |                                                                                     |                                                                                                                                                               |                       |
| U4                     | 80      |       |               |  |                                                                                     |                                                                                                                                                               |                       |
| 4                      |         | 24    | 4.15 - 4.45   |                                                                                     |                                                                                     |                                                                                                                                                               |                       |

Key:

 Clays

 Sands

 Topsoil

 Fill

 Limestone/Chalk

 Other

 G/W Struck

 G/W Last

**RDM**  
Environmental and Geotechnical  
Engineering Ltd

## **APPENDIX IV**

### **LABORATORY TEST RESULTS**



# TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/05/2024

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |                           |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|
| Contract              | Coulsdon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |                           |
| Serial No.            | 44669_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |                           |
| Client:               | <div><div>RDM Environmental and Geotechnical Engineering Ltd<br/>42 High Street<br/>Gretton<br/>Northamptonshire<br/>NN17 3DE</div><div><b>Soil Property Testing Ltd</b><br/><br/>15, 16, 18 Halcyon Court, St Margaret's Way,<br/>Stukeley Meadows, Huntingdon,<br/>Cambridgeshire, PE29 6DG<br/><br/>Tel: 01480 455579<br/>Email: <a href="mailto:enquiries@soilpropertytesting.com">enquiries@soilpropertytesting.com</a><br/>Website: <a href="http://www.soilpropertytesting.com">www.soilpropertytesting.com</a></div></div> |                         |                           |
| Samples Submitted By: | <div><div>RDM Environmental and Geotechnical Engineering Ltd</div><div><b>Approved Signatories:</b><br/><br/><input checked="" type="checkbox"/> <b>J.C. Garner B.Eng (Hons) FGS</b><br/>Technical Director &amp; Quality Manager<br/><br/><input type="checkbox"/> <b>W. Johnstone</b><br/>Materials Lab Manager<br/><br/></div></div>                                                                                                       |                         |                           |
| Samples Labelled:     | Coulsdon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |                           |
| Date Received:        | 23/04/2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Samples Tested Between: | 23/04/2024 and 02/05/2024 |
| Remarks:              | For the attention of Richard Gray<br>Your Reference No: RDM 1192                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                           |
| Notes:                | <div><div>1</div><div>All remaining samples or remnants from this contract will be disposed of after 21 days from today, unless we are notified to the contrary.</div></div> <div><div>2</div><div>This test report may not be reproduced other than in full except with the prior written approval of the issuing laboratory.</div></div> <div><div>3</div><div>The results within this report only relate to the items tested or sampled.</div></div>                                                                            |                         |                           |



# TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD  
DATE ISSUED: 02/05/2024

|                  |      |                                                    |           |                           |  |  |  |  |  |  |  |  |  |             |  |            |  |                |                 |  |  |  |  |  |  |
|------------------|------|----------------------------------------------------|-----------|---------------------------|--|--|--|--|--|--|--|--|--|-------------|--|------------|--|----------------|-----------------|--|--|--|--|--|--|
| Contract         |      | Coulsdon                                           |           |                           |  |  |  |  |  |  |  |  |  |             |  |            |  |                |                 |  |  |  |  |  |  |
| Serial No.       |      | 44669_1                                            |           |                           |  |  |  |  |  |  |  |  |  | Target Date |  | 23/04/2024 |  |                |                 |  |  |  |  |  |  |
| Scheduled By     |      | RDM Environmental and Geotechnical Engineering Ltd |           |                           |  |  |  |  |  |  |  |  |  |             |  |            |  |                |                 |  |  |  |  |  |  |
| Schedule Remarks |      |                                                    |           |                           |  |  |  |  |  |  |  |  |  |             |  |            |  |                |                 |  |  |  |  |  |  |
| Bore Hole No.    | Type | Sample Ref.                                        | Top Depth | Sulphate Content/pH Value |  |  |  |  |  |  |  |  |  |             |  |            |  | Sample Remarks |                 |  |  |  |  |  |  |
| WSBH1            | U    | 2                                                  | 1.60      | 1                         |  |  |  |  |  |  |  |  |  |             |  |            |  |                |                 |  |  |  |  |  |  |
| Totals           |      |                                                    |           | 1                         |  |  |  |  |  |  |  |  |  |             |  |            |  |                | End of Schedule |  |  |  |  |  |  |



# LQM/CIEH S4ULs Human Health Risk Assessment (2015)

**Project:** Thornton Daycare Thornton

**Date:** 15/05/2024

**Exposure Demographic:** Children under school age

| Soil Sample             | 1       | 2     | 3    | 4      | 5 | 6 | 7 | 8    | 9    | 10   | Mean   | Max<br>Concen: | SD    | Resi pass/<br>fail | Com<br>pass/ fail | US95   | S4UL<br>Residential | S4UL<br>Commercial | N (no of<br>samples) | Value t | n  | t     |
|-------------------------|---------|-------|------|--------|---|---|---|------|------|------|--------|----------------|-------|--------------------|-------------------|--------|---------------------|--------------------|----------------------|---------|----|-------|
| Arsenic                 | 10.00   |       |      | 10.00  |   |   |   |      |      |      | 10.00  | 10.00          | 0.00  | pass               | pass              | 10.00  | 37                  | 635                | 2                    | 6.314   | 2  | 6.314 |
| Cadmium                 | 0.80    |       |      | 1.00   |   |   |   |      |      |      | 0.90   | 1.00           | 0.07  | pass               | pass              | 1.22   | 4.6                 | 49.6               | 2                    | 6.314   | 3  | 2.92  |
| Chromium (total)        | 20.00   |       |      | 19.00  |   |   |   |      |      |      | 19.50  | 20.00          | 0.35  | pass               | pass              | 21.08  | 910                 | 8600               | 2                    | 6.314   | 4  | 2.353 |
| Copper                  | 25.00   |       |      | 34.00  |   |   |   |      |      |      | 29.50  | 34.00          | 3.18  | pass               | pass              | 43.71  | 2400                | 6800               | 2                    | 6.314   | 5  | 2.312 |
| Lead (C4SL)             | 29.00   |       |      | 40.00  |   |   |   |      |      |      | 34.50  | 40.00          | 3.89  | pass               | pass              | 51.86  | 200                 | 200                | 2                    | 6.314   | 6  | 2.015 |
| Mercury                 | 2.50    |       |      | 2.50   |   |   |   |      |      |      | 2.50   | 2.50           | 0.00  | pass               | pass              | 2.50   | 15                  | 320                | 2                    | 6.314   | 7  | 1.943 |
| Nickel                  | 21.00   |       |      | 26.00  |   |   |   |      |      |      | 23.50  | 26.00          | 1.77  | pass               | pass              | 31.39  | 180                 | 980                | 2                    | 6.314   | 8  | 1.895 |
| Selenium                | 8.00    |       |      | 8.00   |   |   |   |      |      |      | 8.00   | 8.00           | 0.00  | pass               | pass              | 8.00   | 250                 | 12000              | 2                    | 6.314   | 9  | 1.86  |
| Zinc                    | 80.00   |       |      | 120.00 |   |   |   |      |      |      | 100.00 | 120.00         | 14.14 | pass               | pass              | 163.14 | 3700                | 730000             | 2                    | 6.314   | 10 | 1.833 |
| Cyanide                 | 1.00    |       |      | 1.00   |   |   |   |      |      |      | 1.00   | 1.00           | 0.00  | pass               | pass              | 1.00   | 5                   | 5                  | 2                    | 6.314   | 11 | 1.812 |
| Acenaphthene            | 0.02    | 0.02  | 0.02 | 0.02   |   |   |   |      |      |      | 0.02   | 0.02           | 0.00  | pass               | pass              | 0.02   | 200                 | 1000000            | 4                    | 2.353   | 12 | 1.796 |
| Acenaphthylene          | 0.02    | 0.02  | 0.02 | 0.02   |   |   |   |      |      |      | 0.02   | 0.02           | 0.00  | pass               | pass              | 0.02   | 160                 | 1000000            | 4                    | 2.353   | 13 | 1.782 |
| Anthracene              | 0.02    | 0.02  | 0.02 | 0.02   |   |   |   |      |      |      | 0.02   | 0.02           | 0.00  | pass               | pass              | 0.02   | 2200                | 540000             | 4                    | 2.353   | 14 | 1.771 |
| Benzo[a]anthracene      | 0.02    | 0.04  | 0.04 | 0.04   |   |   |   |      |      |      | 0.04   | 0.04           | 0.00  | pass               | pass              | 0.04   | 13                  | 180                | 4                    | 2.353   | 15 | 1.761 |
| Benzo[a]pyrene          | 0.02    | 0.04  | 0.04 | 0.04   |   |   |   |      |      |      | 0.04   | 0.04           | 0.00  | pass               | pass              | 0.04   | 3.5                 | 36                 | 4                    | 2.353   | 16 | 1.753 |
| Benzo[b]fluoranthene    | 0.03    | 0.05  | 0.06 | 0.06   |   |   |   |      |      |      | 0.05   | 0.06           | 0.01  | pass               | pass              | 0.06   | 3.9                 | 45                 | 4                    | 2.353   | 17 | 1.746 |
| Benzo[g,h,i]perylene    | 0.02    | 0.02  | 0.04 | 0.03   |   |   |   |      |      |      | 0.03   | 0.04           | 0.01  | pass               | pass              | 0.04   | 640                 | 4000               | 4                    | 2.353   | 18 | 1.74  |
| Benzo[k]fluoranthene    | 0.02    | 0.02  | 0.02 | 0.02   |   |   |   |      |      |      | 0.02   | 0.02           | 0.00  | pass               | pass              | 0.02   | 130                 | 1200               | 4                    | 2.353   | 19 | 1.734 |
| Chrysene                | 0.02    | 0.04  | 0.04 | 0.04   |   |   |   |      |      |      | 0.04   | 0.04           | 0.00  | pass               | pass              | 0.04   | 19                  | 350                | 4                    | 2.353   | 20 | 1.729 |
| Dibenzo[a,h]anthracene  | 0.02    | 0.02  | 0.02 | 0.02   |   |   |   |      |      |      | 0.02   | 0.02           | 0.00  | pass               | pass              | 0.02   | 0.43                | 3.6                | 4                    | 2.353   | 21 | 1.725 |
| Fluoranthene            | 0.04    | 0.07  | 0.07 | 0.06   |   |   |   |      |      |      | 0.06   | 0.07           | 0.01  | pass               | pass              | 0.07   | 290                 | 23000              | 4                    | 2.353   | 22 | 1.721 |
| Fluorene                | 0.02    | 0.02  | 0.02 | 0.02   |   |   |   |      |      |      | 0.02   | 0.02           | 0.00  | pass               | pass              | 0.02   | 160                 | 71000              | 4                    | 2.353   | 23 | 1.717 |
| Indeno[1,2,3,-cd]pyrene | 0.02    | 0.02  | 0.02 | 0.02   |   |   |   |      |      |      | 0.02   | 0.02           | 0.00  | pass               | pass              | 0.02   | 39                  | 510                | 4                    | 2.353   | 24 | 1.714 |
| Naphthalene             | 0.02    | 0.02  | 0.02 | 0.02   |   |   |   |      |      |      | 0.02   | 0.02           | 0.00  | pass               | pass              | 0.02   | 24                  | 1100               | 4                    | 2.353   | 25 | 1.711 |
| Phenanthrene            | 0.02    | 0.02  | 0.02 | 0.02   |   |   |   |      |      |      | 0.02   | 0.02           | 0.00  | pass               | pass              | 0.02   | 90                  | 23000              | 4                    | 2.353   | 26 | 1.708 |
| Pyrene                  | 0.04    | 0.07  | 0.06 | 0.06   |   |   |   |      |      |      | 0.06   | 0.07           | 0.01  | pass               | pass              | 0.07   | 620                 | 54000              | 4                    | 2.353   | 27 | 1.706 |
| Total PAH               | 0.47    | 0.56  | 0.60 | 0.58   |   |   |   |      |      |      |        |                |       |                    |                   |        |                     |                    |                      |         | 28 | 1.703 |
| TOC                     |         | 2.80  |      | 3.50   |   |   |   | 0.00 | 0.00 | 0.00 | 0.00   |                |       |                    |                   |        |                     |                    |                      |         | 29 | 1.701 |
| SOM                     |         | 4.80  |      | 6.00   |   |   |   | 0.00 | 0.00 | 0.00 | 0.00   |                |       |                    |                   |        |                     |                    |                      |         | 30 | 1.699 |
| Aliphatics              | C5-C6   | 0.15  |      | 0.06   |   |   |   |      |      |      | 0.11   | 0.15           | 0.03  | pass               | pass              | 0.25   | 160                 | 12000              | 2                    | 6.314   |    |       |
|                         | C6-C8   | 0.18  |      | 0.06   |   |   |   |      |      |      | 0.12   | 0.18           | 0.04  | pass               | pass              | 0.31   | 530                 | 40000              | 2                    | 6.314   |    |       |
|                         | C8-C10  | 0.06  |      | 0.06   |   |   |   |      |      |      | 0.06   | 0.06           | 0.00  | pass               | pass              | 0.06   | 150                 | 11000              | 2                    | 6.314   |    |       |
|                         | C10-C12 | 10.00 |      | 10.00  |   |   |   |      |      |      | 10.00  | 10.00          | 0.00  | pass               | pass              | 10.00  | 760                 | 47000              | 2                    | 6.314   |    |       |
|                         | C12-C16 | 10.00 |      | 10.00  |   |   |   |      |      |      | 10.00  | 10.00          | 0.00  | pass               | pass              | 10.00  | 4300                | 90000              | 2                    | 6.314   |    |       |
|                         | C16-C35 | 20.00 |      | 20.00  |   |   |   |      |      |      | 20.00  | 20.00          | 0.00  | pass               | pass              | 20.00  | 110000              | 180000             | 2                    | 6.314   |    |       |
|                         | C35-C44 | 15.00 |      | 15.00  |   |   |   |      |      |      | 15.00  | 15.00          | 0.00  | pass               | pass              | 15.00  | 110000              | 180000             | 2                    | 6.314   |    |       |
| Aromatics               | C5-C7   | 0.01  |      | 0.01   |   |   |   |      |      |      | 0.01   | 0.01           | 0.00  | pass               | pass              | 0.01   | 300                 | 86000              | 2                    | 6.314   |    |       |
|                         | C7-C8   | 0.01  |      | 0.01   |   |   |   |      |      |      | 0.01   | 0.01           | 0.00  | pass               | pass              | 0.01   | 660                 | 180000             | 2                    | 6.314   |    |       |
|                         | C8-C10  | 0.06  |      | 0.06   |   |   |   |      |      |      | 0.06   | 0.06           | 0.00  | pass               | pass              | 0.06   | 190                 | 17000              | 2                    | 6.314   |    |       |
|                         | C10-C12 | 10.00 |      | 10.00  |   |   |   |      |      |      | 10.00  | 10.00          | 0.00  | pass               | pass              | 10.00  | 380                 | 34000              | 2                    | 6.314   |    |       |
|                         | C12-C16 | 10.00 |      | 10.00  |   |   |   |      |      |      | 10.00  | 10.00          | 0.00  | pass               | pass              | 10.00  | 660                 | 38000              | 2                    | 6.314   |    |       |
|                         | C16-C21 | 10.00 |      | 10.00  |   |   |   |      |      |      | 10.00  | 10.00          | 0.00  | pass               | pass              | 10.00  | 930                 | 28000              | 2                    | 6.314   |    |       |
|                         | C21-C35 | 20.00 |      | 20.00  |   |   |   |      |      |      | 20.00  | 20.00          | 0.00  | pass               | pass              | 20.00  | 1700                | 28000              | 2                    | 6.314   |    |       |
|                         | C35-C44 | 15.00 |      | 15.00  |   |   |   |      |      |      | 15.00  | 0.06           | 10.56 | pass               | pass              | 62.17  | 1700                | 28000              | 2                    | 6.314   |    |       |
| Pesticide               | 0.00    | 0.00  |      |        |   |   |   |      |      |      | 0.00   | 0.00           | 0.00  | pass               | pass              | 0.00   | 3                   | 3                  | 2                    | 6.314   |    |       |

Asbestos

|      |      |  |  |  |  |  |  |  |  |      |      |      |      |      |      |  |   |   |   |
|------|------|--|--|--|--|--|--|--|--|------|------|------|------|------|------|--|---|---|---|
| 0.00 | 0.00 |  |  |  |  |  |  |  |  | 0.00 | 0.00 | 0.00 | pass | pass | 0.00 |  | 1 | 1 | 2 |
|------|------|--|--|--|--|--|--|--|--|------|------|------|------|------|------|--|---|---|---|

6.314

|           |       |       |
|-----------|-------|-------|
| Total TPH | 50.00 | 50.00 |
|-----------|-------|-------|

## **APPENDIX V**

### **HISTORICAL MAPS**

# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

|  |                                               |  |                             |  |               |
|--|-----------------------------------------------|--|-----------------------------|--|---------------|
|  | Gravel Pit                                    |  | Sand Pit                    |  | Other Pits    |
|  | Quarry                                        |  | Shingle                     |  | Orchard       |
|  | Osiers                                        |  | Reeds                       |  | Marsh         |
|  | Mixed Wood                                    |  | Deciduous                   |  | Brushwood     |
|  | Fir                                           |  | Furze                       |  | Rough Pasture |
|  | Arrow denotes flow of water                   |  | Trigonometrical Station     |  |               |
|  | Site of Antiquities                           |  | Bench Mark                  |  |               |
|  | Pump, Guide Post, Signal Post                 |  | Well, Spring, Boundary Post |  |               |
|  | •285 Surface Level                            |  |                             |  |               |
|  | Sketched Contour                              |  | Instrumental Contour        |  |               |
|  | Main Roads                                    |  | Minor Roads                 |  |               |
|  | Sunken Road                                   |  | Raised Road                 |  |               |
|  | Road over Railway                             |  | Railway over River          |  |               |
|  | Railway over Road                             |  | Level Crossing              |  |               |
|  | Road over River or Canal                      |  | Road over Stream            |  |               |
|  | Road over Stream                              |  |                             |  |               |
|  | County Boundary (Geographical)                |  |                             |  |               |
|  | County & Civil Parish Boundary                |  |                             |  |               |
|  | Administrative County & Civil Parish Boundary |  |                             |  |               |
|  | County Borough Boundary (England)             |  |                             |  |               |
|  | County Burgh Boundary (Scotland)              |  |                             |  |               |
|  | Rural District Boundary                       |  |                             |  |               |
|  | Civil Parish Boundary                         |  |                             |  |               |

## Ordnance Survey Plan 1:10,000

|  |                                                                       |  |                                                         |
|--|-----------------------------------------------------------------------|--|---------------------------------------------------------|
|  | Chalk Pit, Clay Pit or Quarry                                         |  | Gravel Pit                                              |
|  | Sand Pit                                                              |  | Disused Pit or Quarry                                   |
|  | Refuse or Slag Heap                                                   |  | Lake, Loch or Pond                                      |
|  | Dunes                                                                 |  | Boulders                                                |
|  | Coniferous Trees                                                      |  | Non-Coniferous Trees                                    |
|  | Orchard                                                               |  | Scrub                                                   |
|  | Bracken                                                               |  | Heath                                                   |
|  | Marsh                                                                 |  | Reeds                                                   |
|  | Building                                                              |  | Glasshouse                                              |
|  | Sloping Masonry                                                       |  | Pylon                                                   |
|  | Cutting                                                               |  | Embankment                                              |
|  | Road Under                                                            |  | Road Over                                               |
|  | Level Crossing                                                        |  | Foot Bridge                                             |
|  | Standard Gauge Multiple Track                                         |  | Standard Gauge Single Track                             |
|  | Siding, Tramway or Mineral Line                                       |  | Narrow Gauge                                            |
|  | Geographical County                                                   |  | Administrative County, County Borough or County of City |
|  | Municipal Borough, Urban or Rural District, Burgh or District Council |  | Borough, Burgh or County Constituency                   |
|  | Civil Parish                                                          |  |                                                         |
|  | BP, BS Boundary Post or Stone                                         |  | Police Station                                          |
|  | Church                                                                |  | Post Office                                             |
|  | Club House                                                            |  | Public Convenience                                      |
|  | Fire Engine Station                                                   |  | Public House                                            |
|  | Foot Bridge                                                           |  | Signal Box                                              |
|  | Fountain                                                              |  | Spring                                                  |
|  | Guide Post                                                            |  | Telephone Call Box                                      |
|  | Mile Post                                                             |  | Telephone Call Post                                     |
|  | Mile Stone                                                            |  | Well                                                    |

## 1:10,000 Raster Mapping

|  |                                                          |  |                                            |
|--|----------------------------------------------------------|--|--------------------------------------------|
|  | Gravel Pit                                               |  | Refuse tip or slag heap                    |
|  | Rock                                                     |  | Rock (scattered)                           |
|  | Boulders                                                 |  | Boulders (scattered)                       |
|  | Shingle                                                  |  | Mud                                        |
|  | Sand                                                     |  | Sand Pit                                   |
|  | Slopes                                                   |  | Top of cliff                               |
|  | General detail                                           |  | Underground detail                         |
|  | Overhead detail                                          |  | Narrow gauge railway                       |
|  | Multi-track railway                                      |  | Single track railway                       |
|  | County boundary (England only)                           |  | Civil, parish or community boundary        |
|  | District, Unitary, Metropolitan, London Borough boundary |  | Constituency boundary                      |
|  | Area of wooded vegetation                                |  | Non-coniferous trees                       |
|  | Non-coniferous trees (scattered)                         |  | Coniferous trees                           |
|  | Coniferous trees (scattered)                             |  | Positioned tree                            |
|  | Orchard                                                  |  | Coppice or Osiers                          |
|  | Rough Grassland                                          |  | Heath                                      |
|  | Scrub                                                    |  | Marsh, Salt Marsh or Reeds                 |
|  | Water feature                                            |  | Flow arrows                                |
|  | Mean high water (springs)                                |  | Mean low water (springs)                   |
|  | Telephone line (where shown)                             |  | Electricity transmission line (with poles) |
|  | Bench mark (where shown)                                 |  | Triangulation station                      |
|  | Point feature (e.g. Guide Post or Mile Stone)            |  | Pylon, flare stack or lighting tower       |
|  | Site of (antiquity)                                      |  | Glasshouse                                 |
|  | General Building                                         |  | Important Building                         |

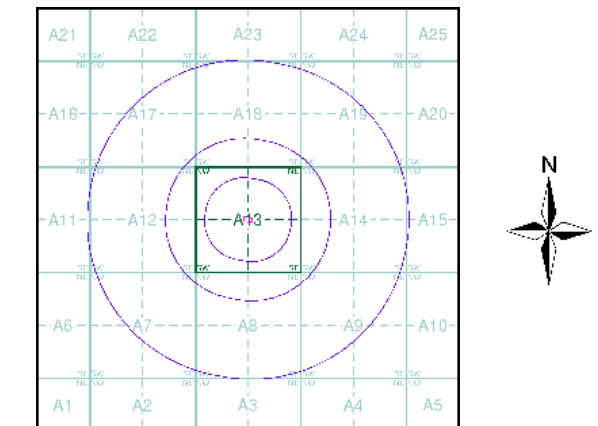
# Envirocheck<sup>®</sup>

LANDMARK INFORMATION GROUP<sup>®</sup>

## Historical Mapping & Photography included:

| Mapping Type         | Scale    | Date        | Pg |
|----------------------|----------|-------------|----|
| Leicestershire       | 1:10,560 | 1885        | 2  |
| Leicestershire       | 1:10,560 | 1903 - 1904 | 3  |
| Leicestershire       | 1:10,560 | 1919        | 4  |
| Leicestershire       | 1:10,560 | 1930 - 1931 | 5  |
| Ordnance Survey Plan | 1:10,000 | 1955        | 6  |
| Ordnance Survey Plan | 1:10,000 | 1968        | 7  |
| Ordnance Survey Plan | 1:10,000 | 1985        | 8  |
| 10K Raster Mapping   | 1:10,000 | 2000        | 9  |
| 10K Raster Mapping   | 1:10,000 | 2006        | 10 |
| VectorMap Local      | 1:10,000 | 2024        | 11 |

## Historical Map - Slice A



## Order Details

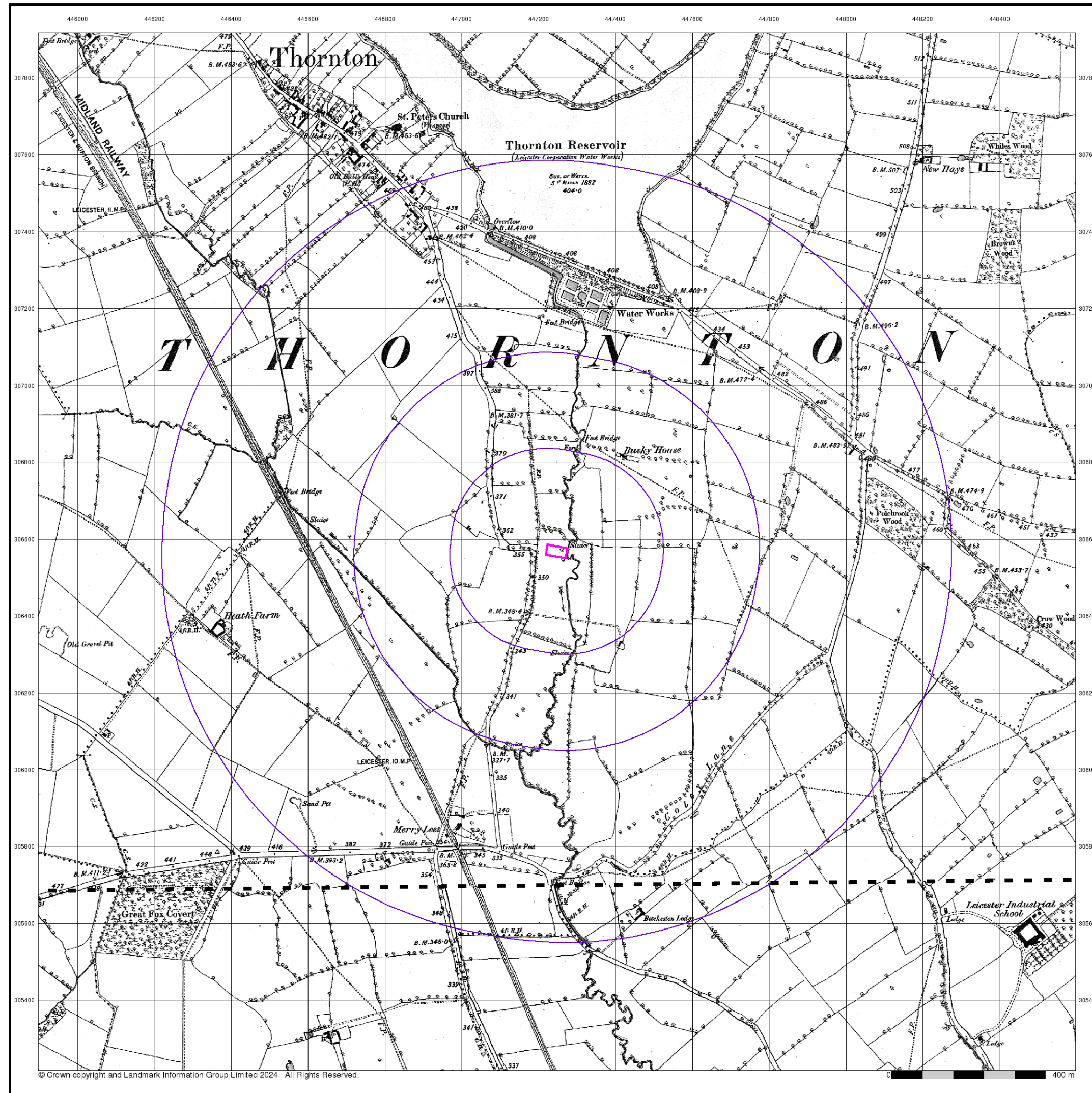
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

## Site Details

Barnhills Farm, Merrylees Road, Thornton, COALVILLE, LE67 1AP

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Leicestershire

Published 1885

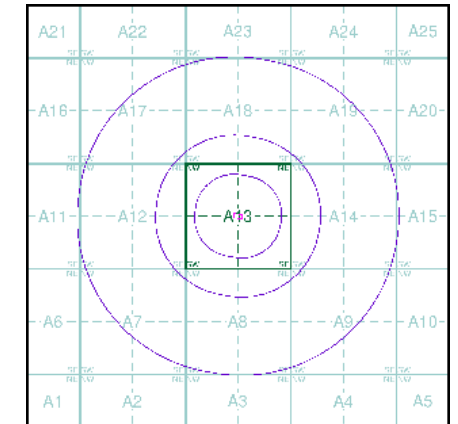
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

## Map Name(s) and Date(s)

030NW  
1885  
1:10,560  
030SW  
1885  
1:10,560

## Historical Map - Slice A



## Order Details

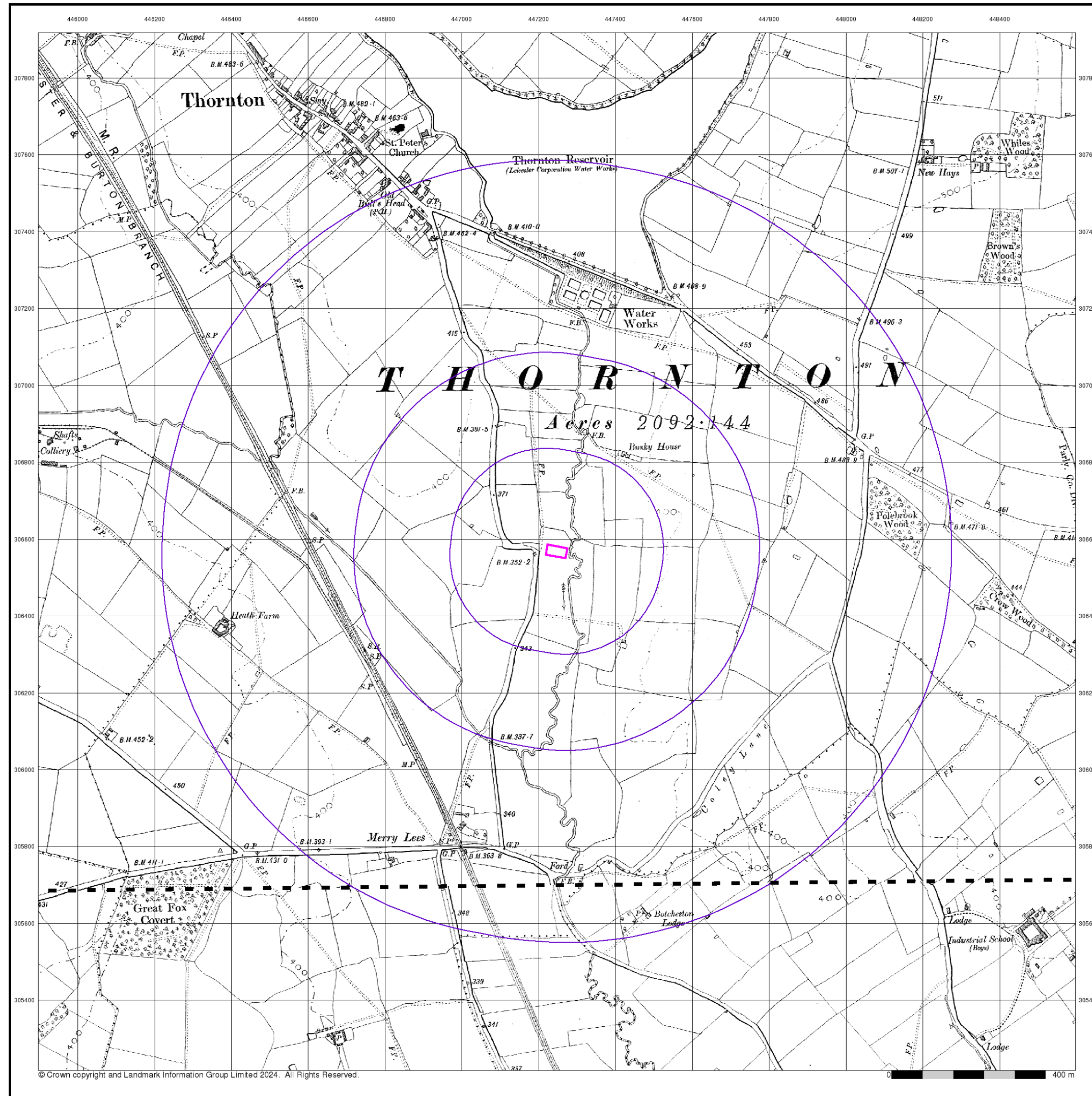
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

## Site Details

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Leicestershire

Published 1903 - 1904

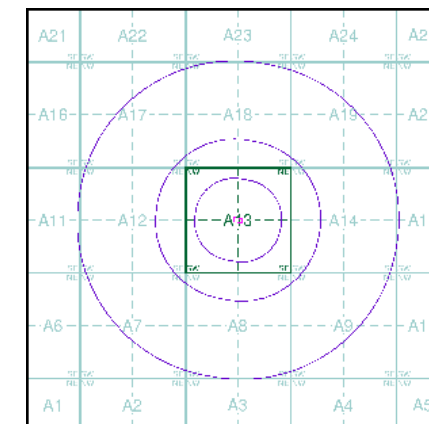
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

|          |
|----------|
| 030NW    |
| 1903     |
| 1:10,560 |
| 030SW    |
| 1904     |
| 1:10,560 |

Historical Map - Slice A



Order Details

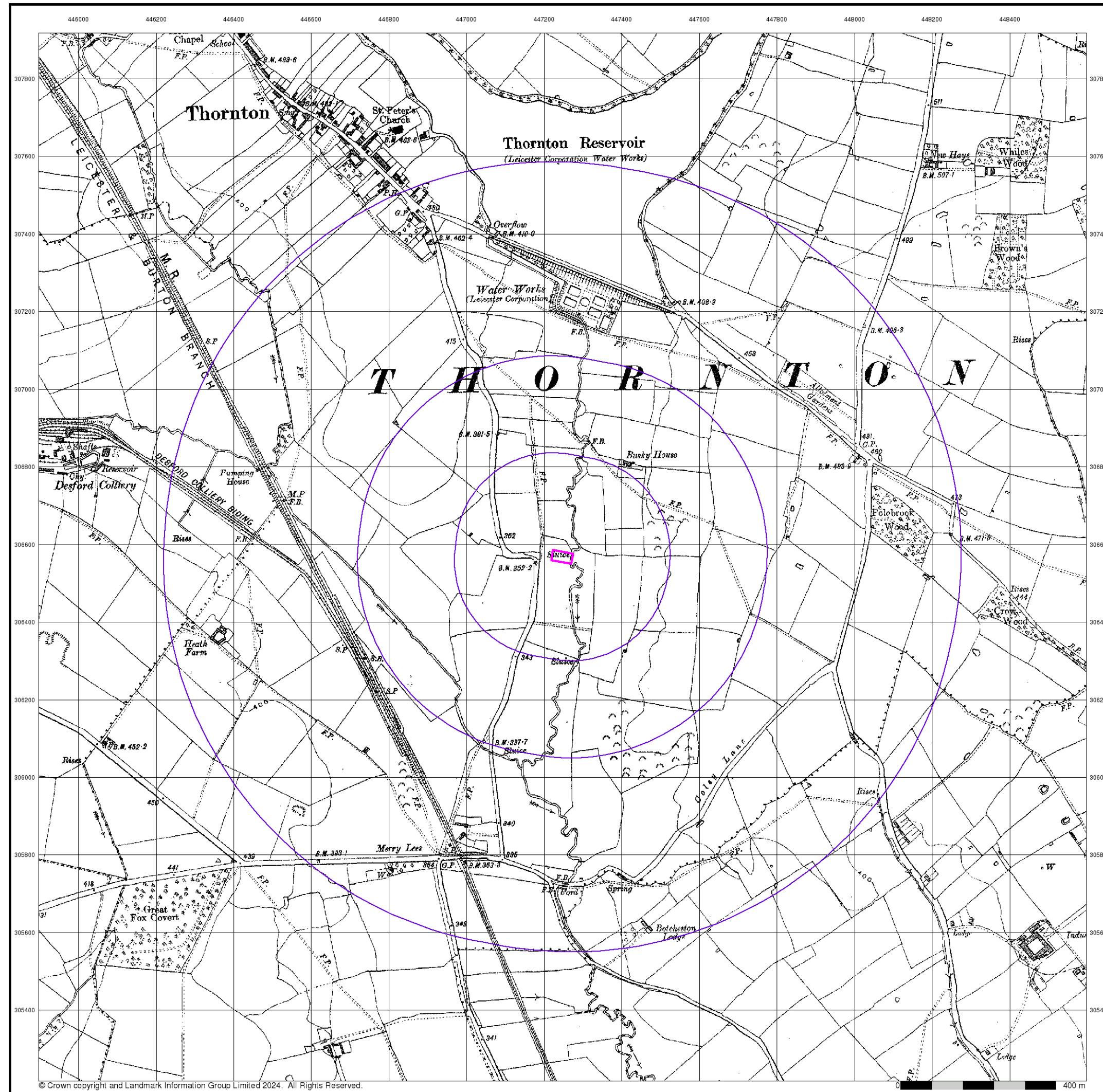
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

Site Details

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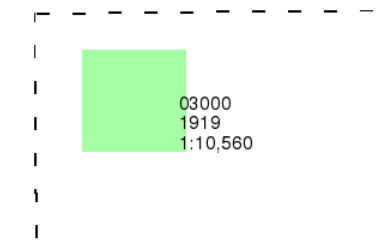
Leicestershire

Published 1919

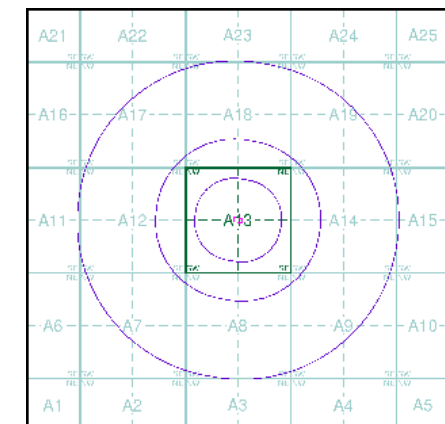
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

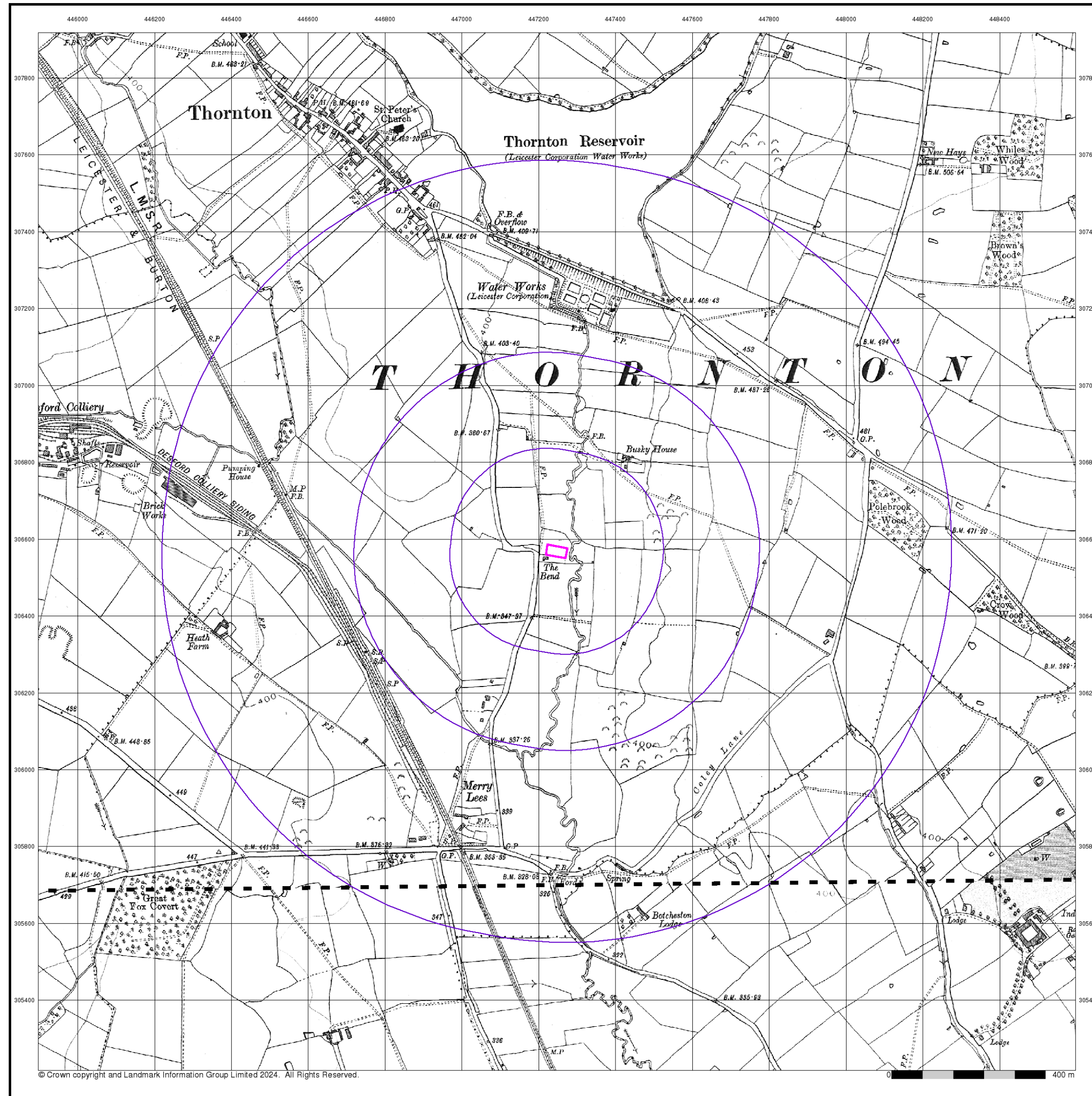
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

Site Details

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Leicestershire

Published 1930 - 1931

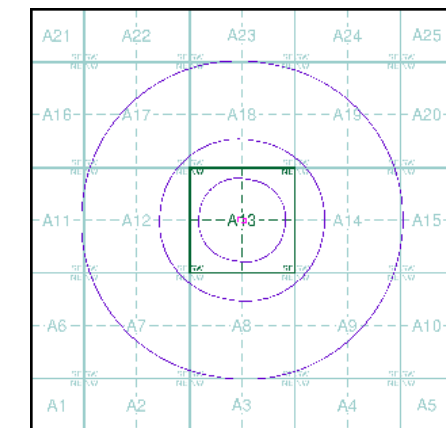
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

030NW  
1930  
1:10,560  
030SW  
1931  
1:10,560

Historical Map - Slice A



Order Details

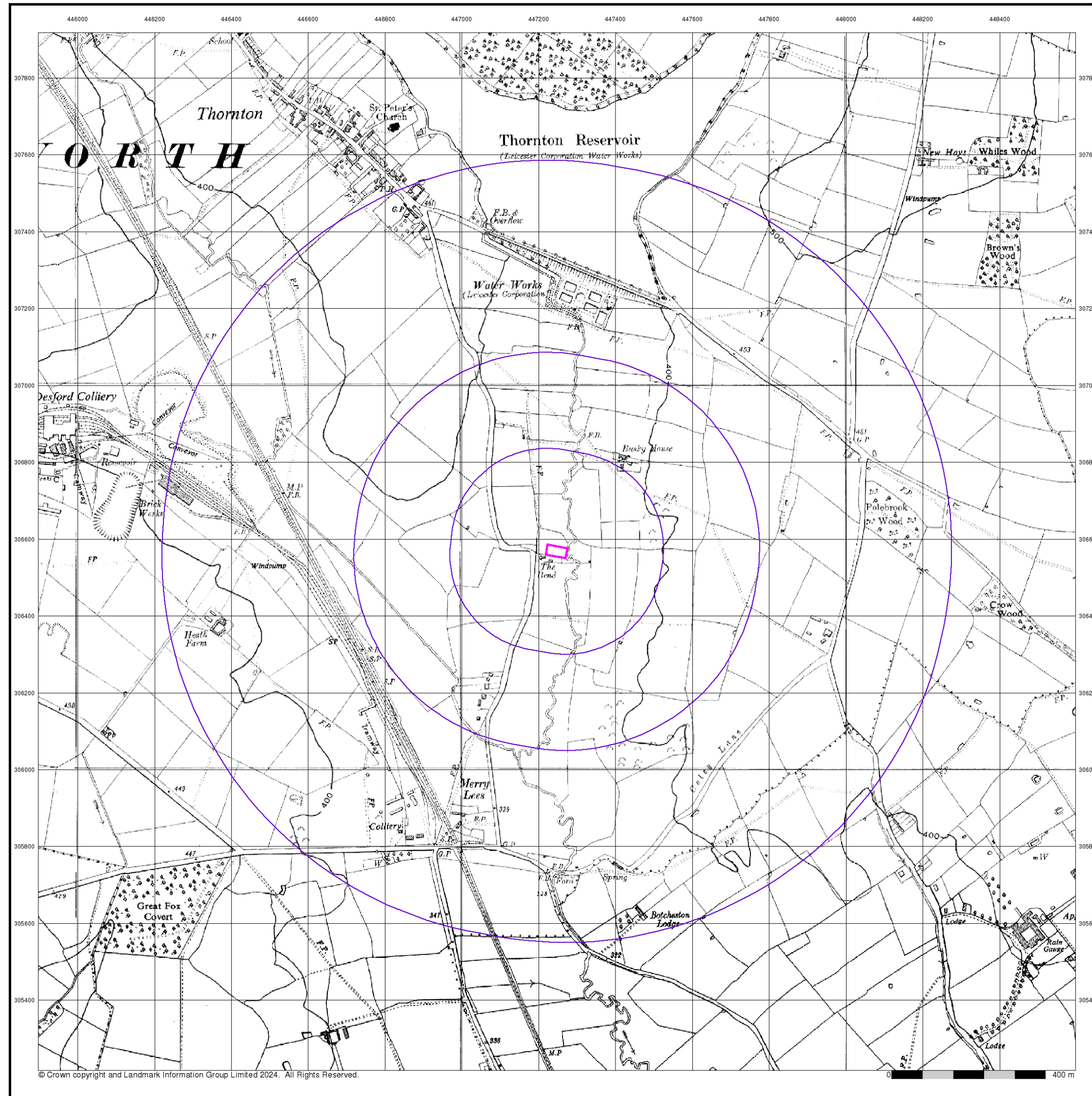
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

Site Details

Barnhills Farm, Merrylees Road, Thornton, COALVILLE, LE67 1AP

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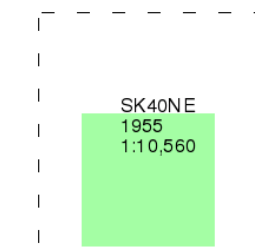
## Ordnance Survey Plan

Published 1955

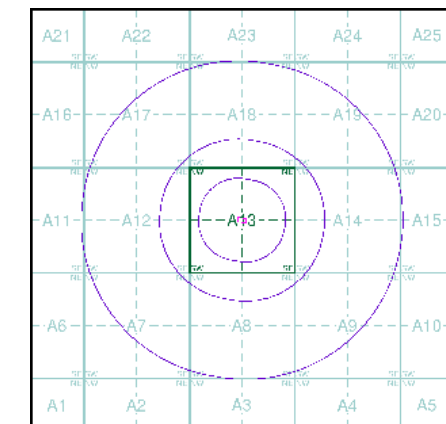
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

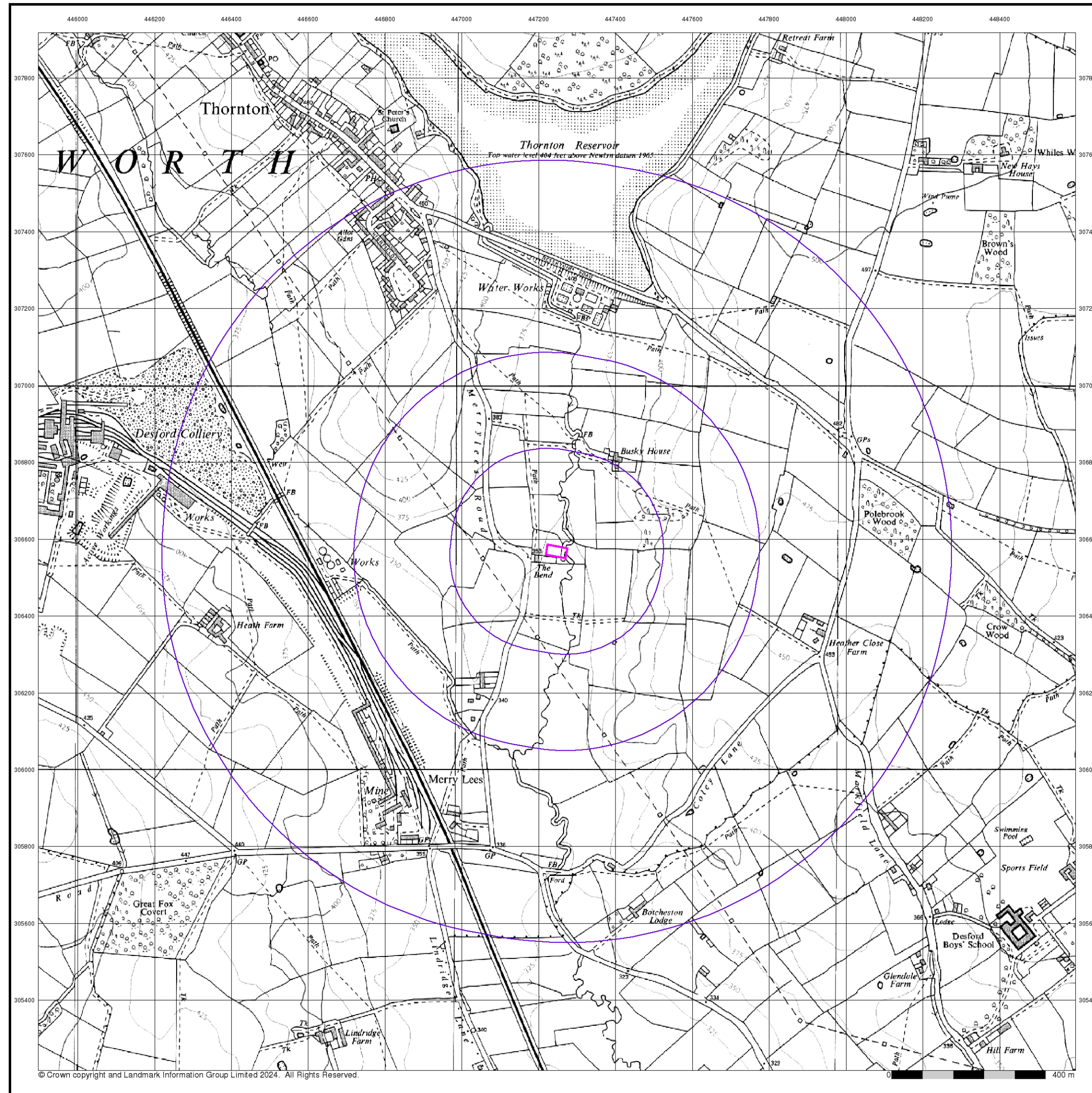
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

## Site Details

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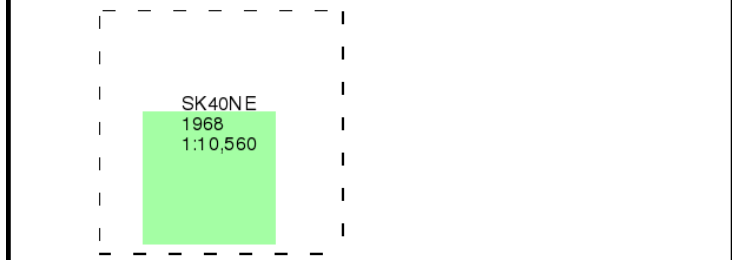
## Ordnance Survey Plan

### Published 1968

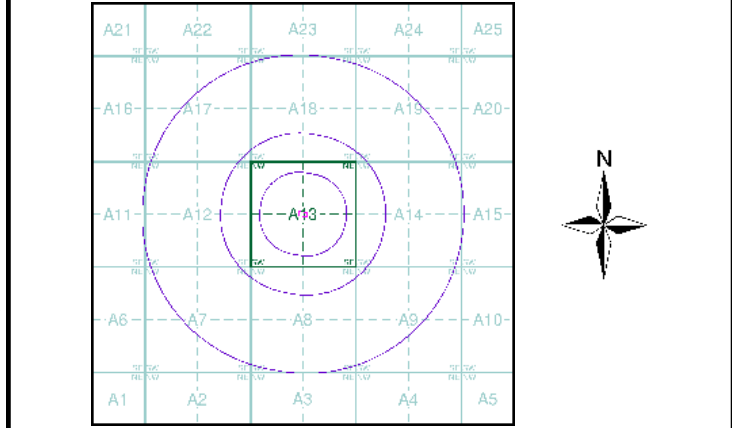
### Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

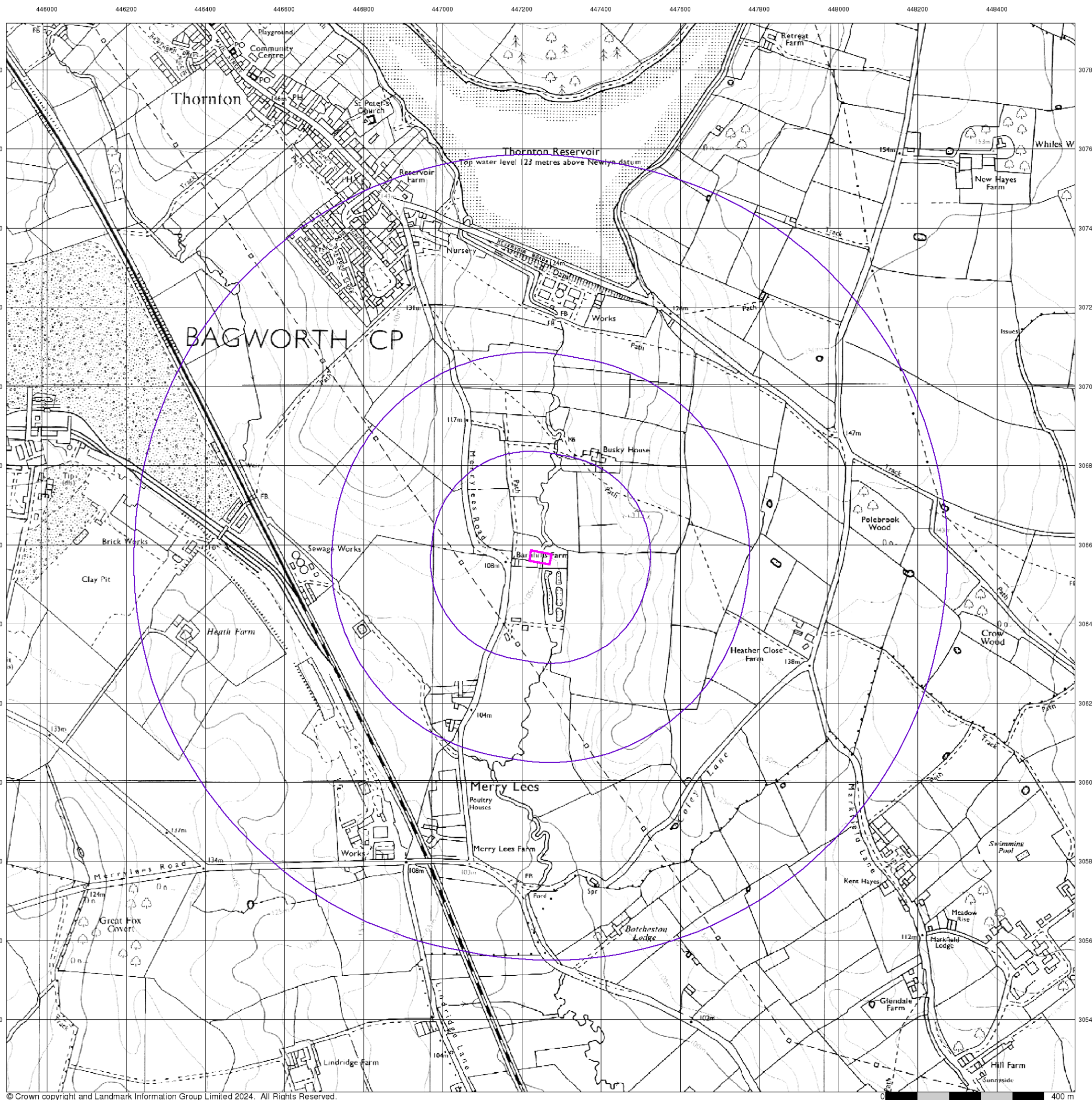


### Historical Map - Slice A



| Order Details            |                   |
|--------------------------|-------------------|
| Order Number:            | 346705048_1_1     |
| Customer Ref:            | RDM 1193 Thornton |
| National Grid Reference: | 447250, 306570    |
| Slice:                   | A                 |
| Site Area (Ha):          | 0.15              |
| Search Buffer (m):       | 1000              |

**Site Details**  
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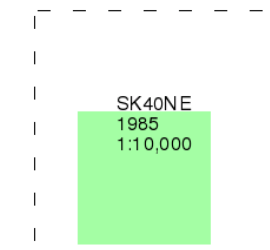
## Ordnance Survey Plan

Published 1985

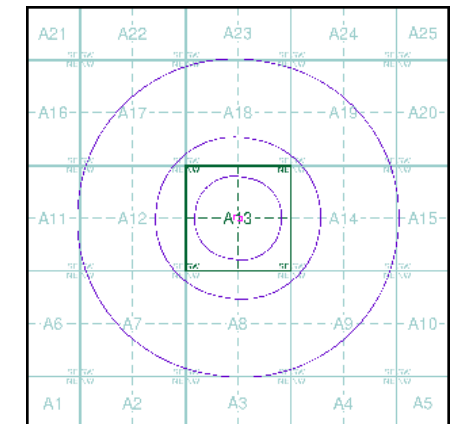
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

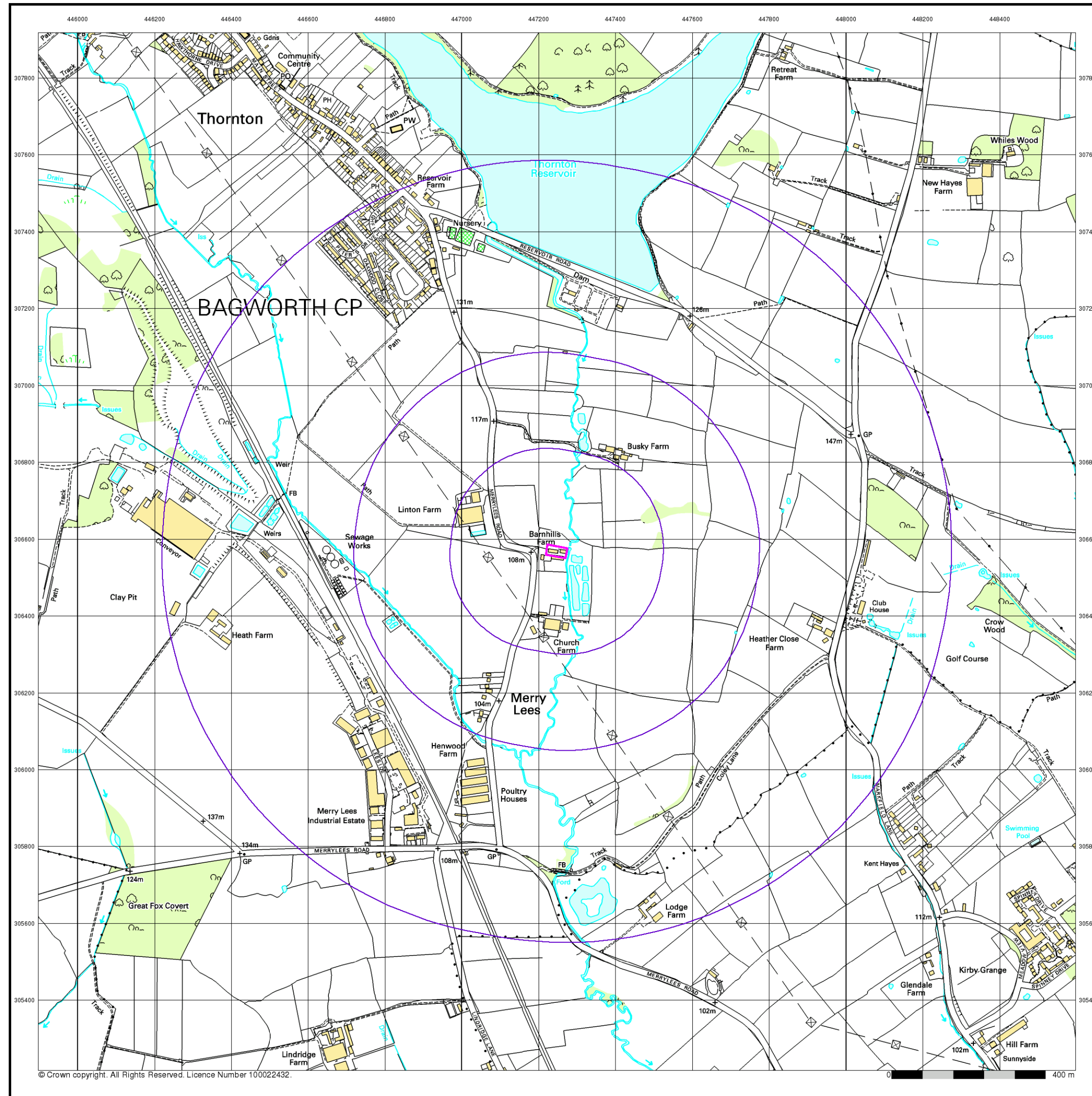
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

## Site Details

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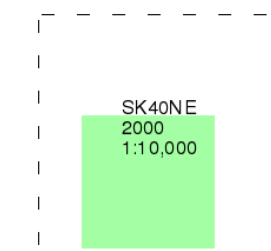
## 10k Raster Mapping

### Published 2000

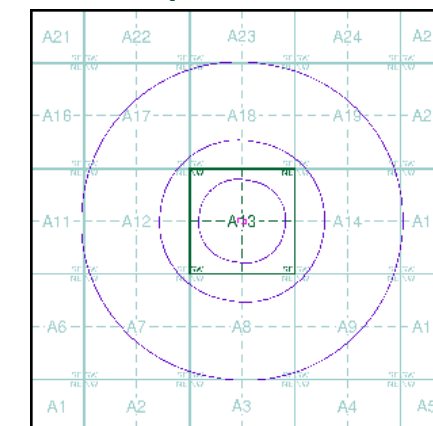
### Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

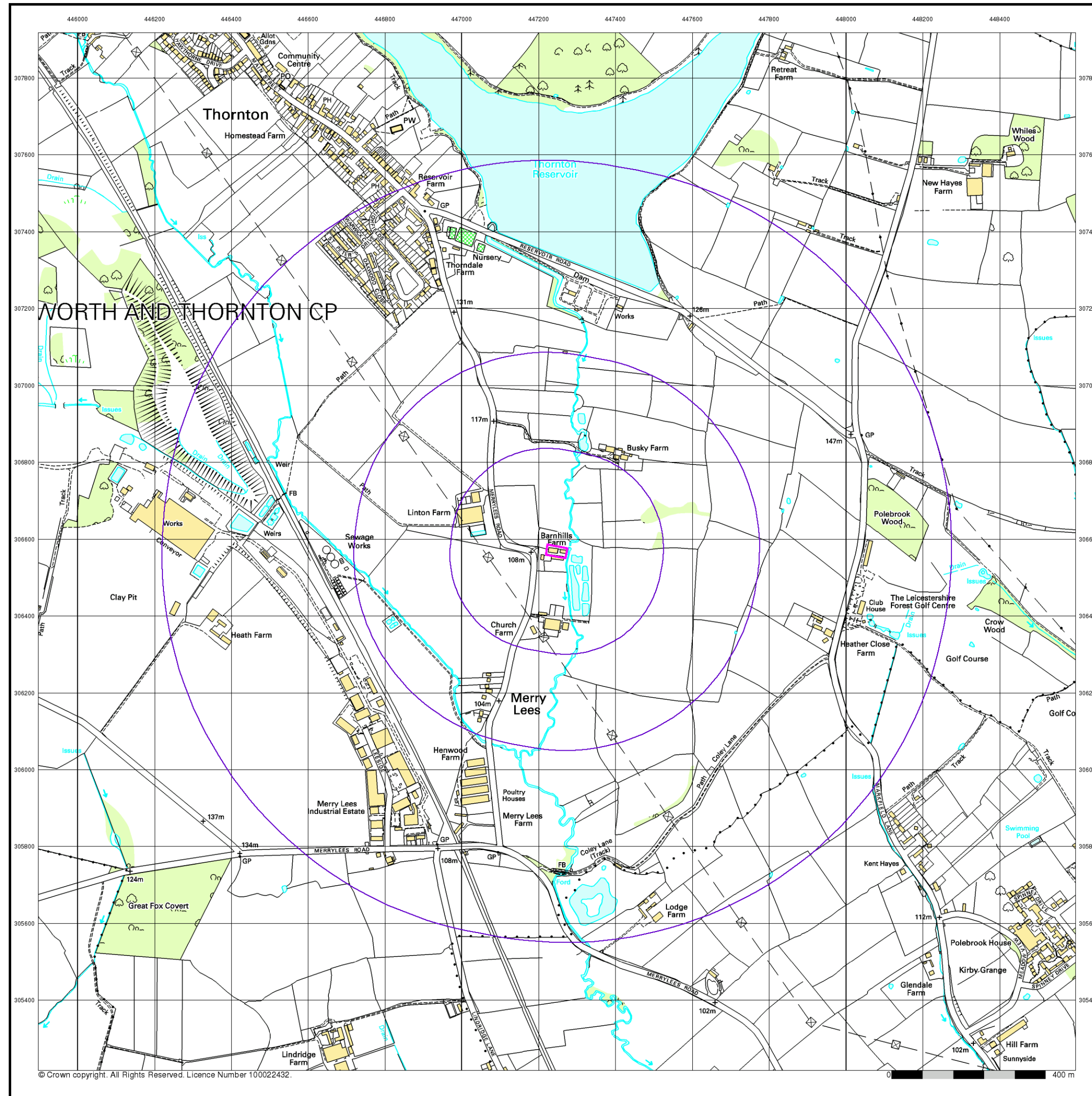
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

### Site Details

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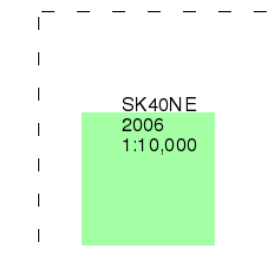
## 10k Raster Mapping

### Published 2006

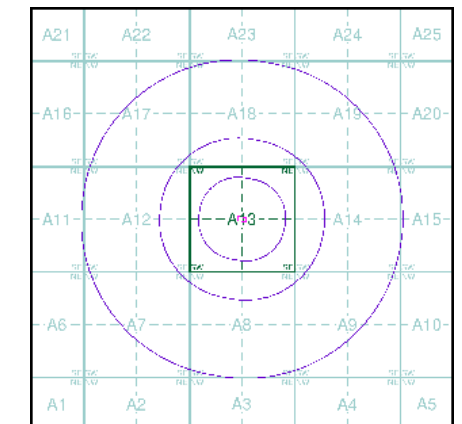
### Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

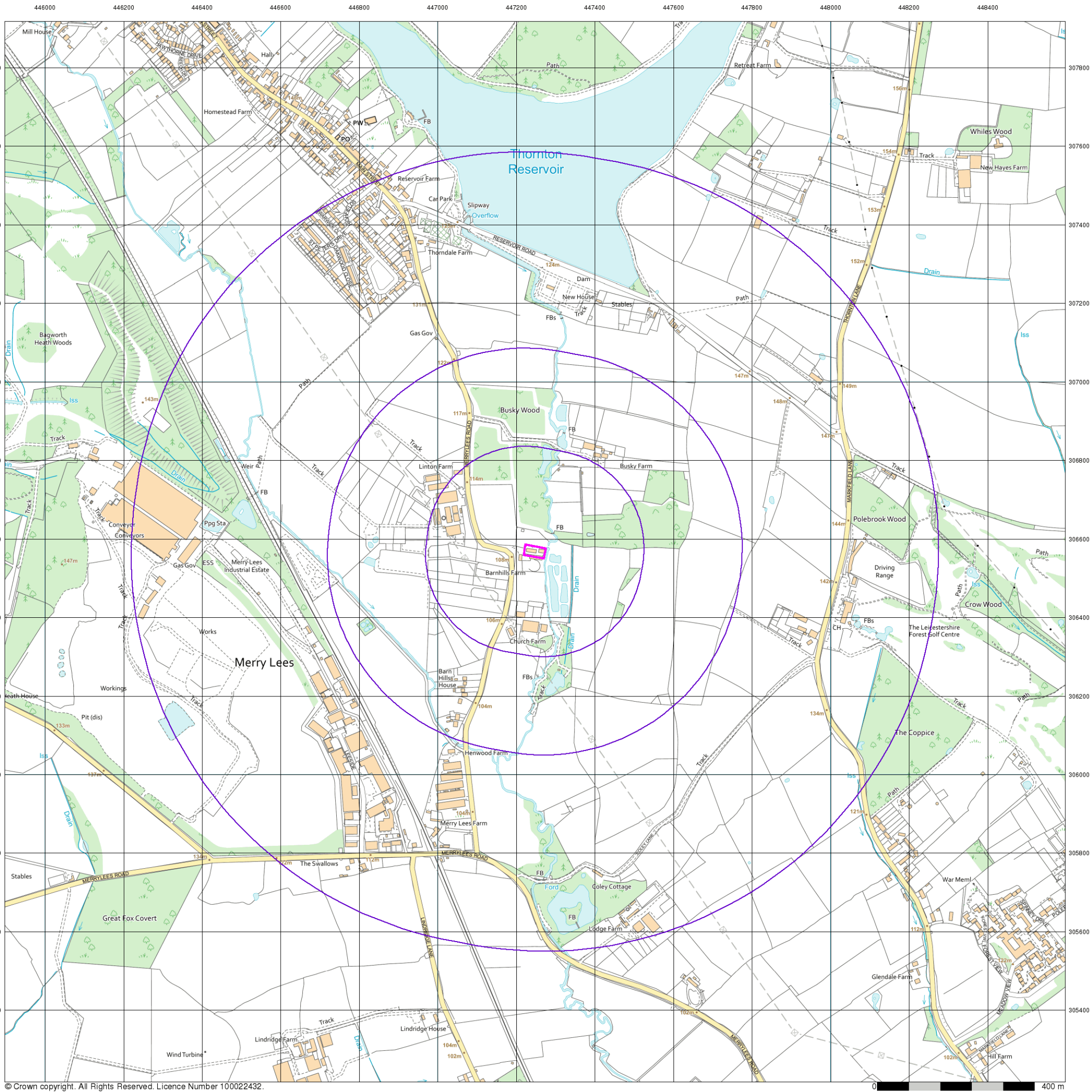
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

### Site Details

Barnhills Farm, Merrylees Road, Thornton, COALVILLE, LE67 1AP

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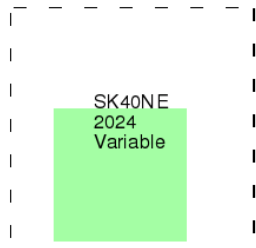
## VectorMap Local

### Published 2024

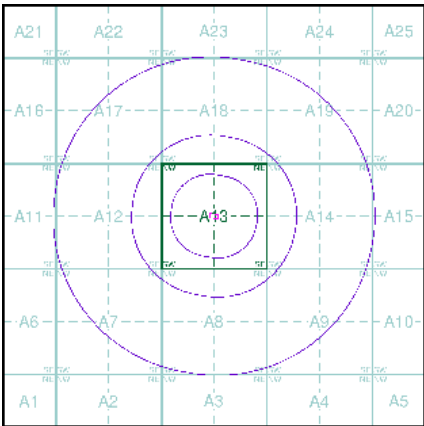
### Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

### Site Details

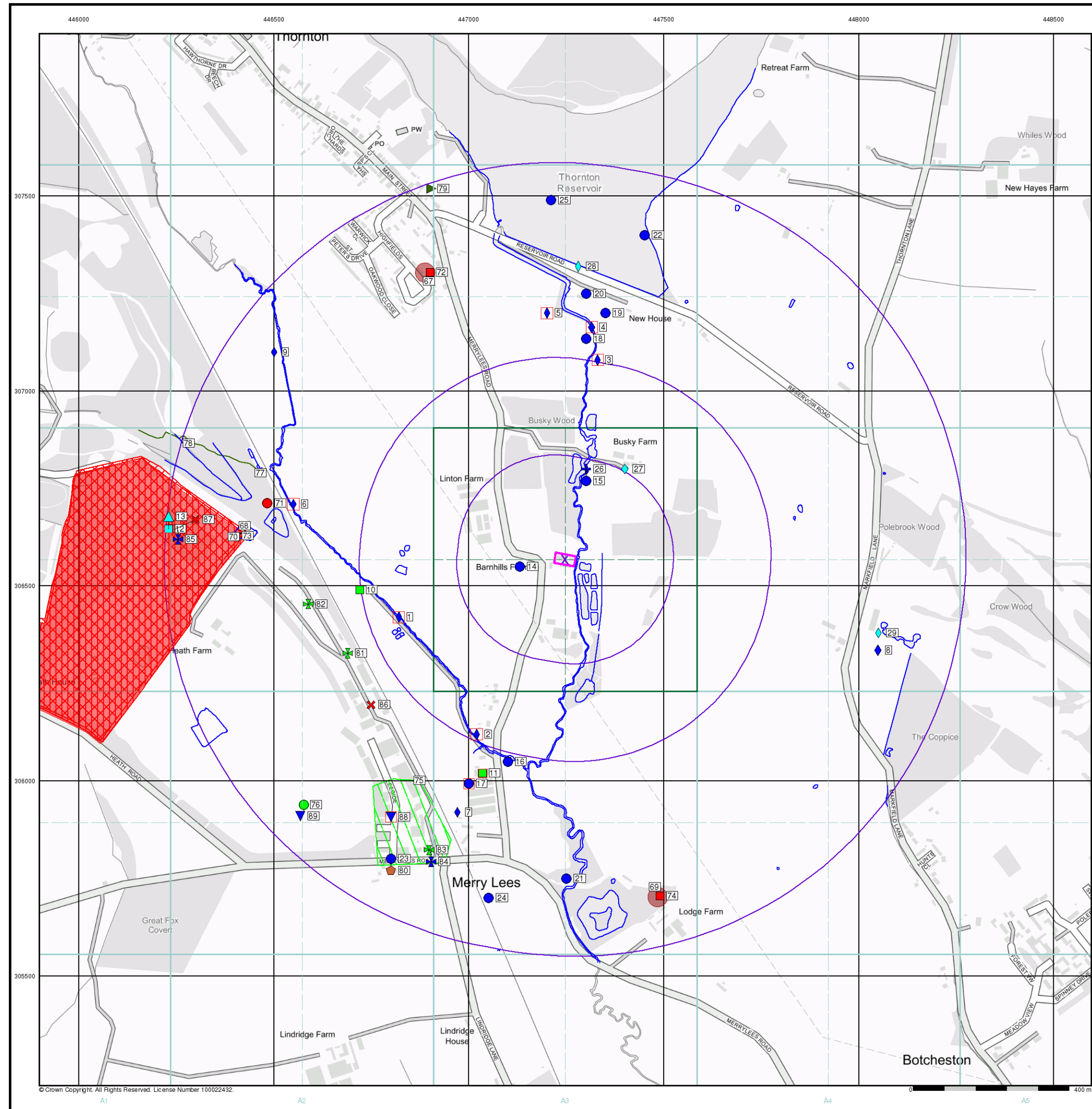
Barnhills Farm, Merrylees Road, Thornton, COALVILLE, LE67 1AP

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## **APPENDIX VI**

### **SITE SENSITIVITY MAPS**



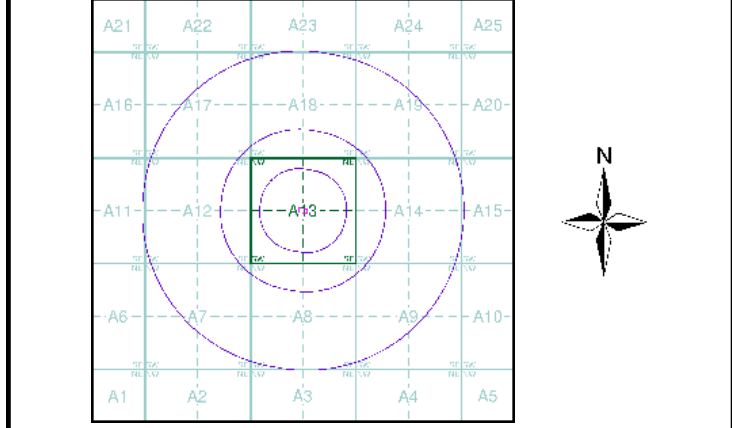
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- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
  - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site

## Site Sensitivity Map - Slice A



**Order Details**

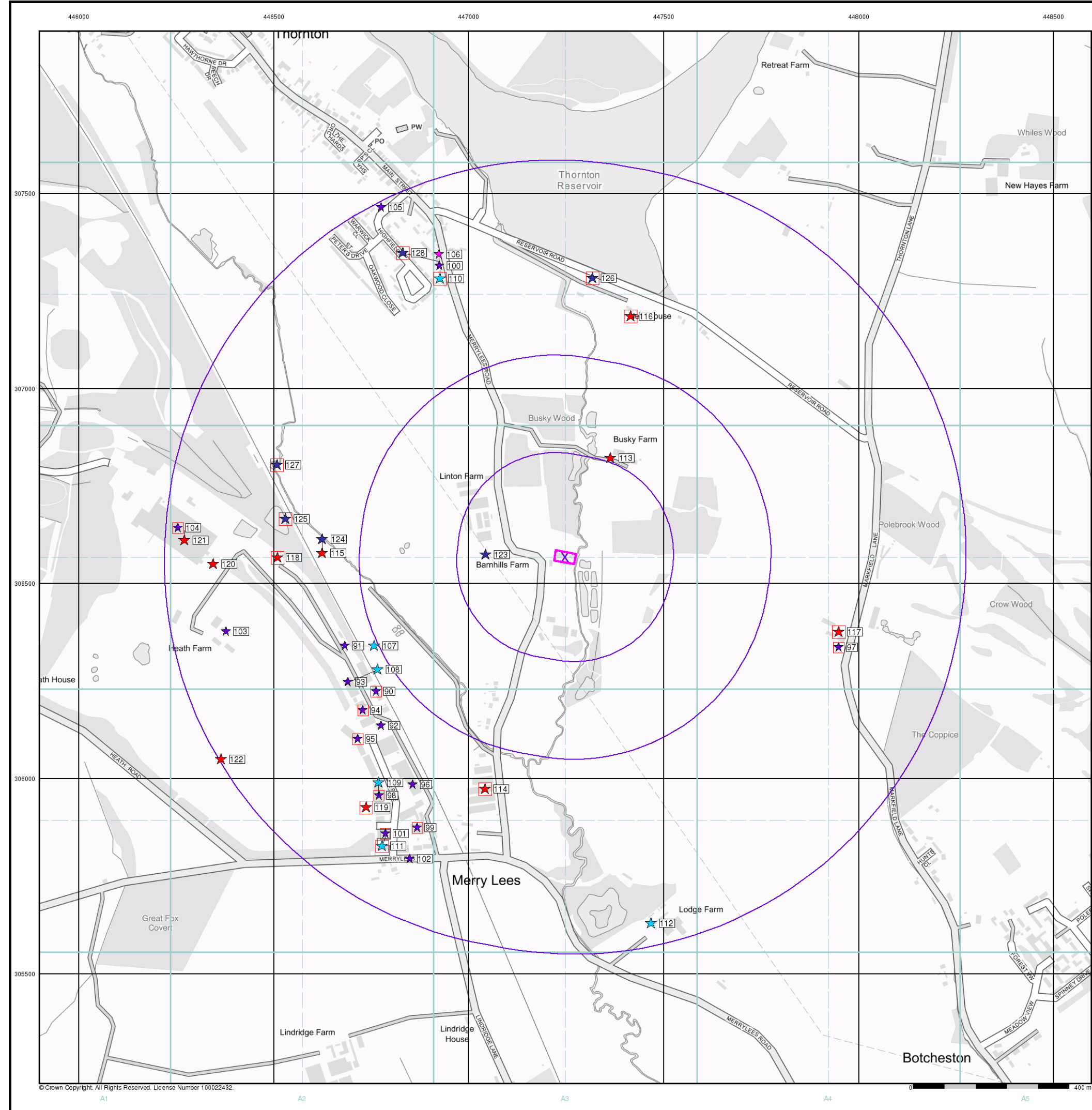
Order Number: 346705048\_1\_1  
 Customer Ref: RDM 1193 Thornton  
 National Grid Reference: 447250, 306570  
 Slice: A  
 Site Area (Ha): 0.15  
 Search Buffer (m): 1000

**Site Details**

Barnhills Farm, Merry Lees Road, Thornton, COALVILLE, LE67 1AP

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## Industrial Land Use Map

### General

Specified Site

Specified Buffer(s)

Bearing Reference Point

Slice

Map ID

### Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

### Industrial Land Use Map - Slice A

### Order Details

|                          |                   |
|--------------------------|-------------------|
| Order Number:            | 346705048_1_1     |
| Customer Ref:            | RDM 1193 Thornton |
| National Grid Reference: | 447250, 306570    |
| Slice:                   | A                 |
| Site Area (Ha):          | 0.15              |
| Search Buffer (m):       | 1000              |

### Site Details

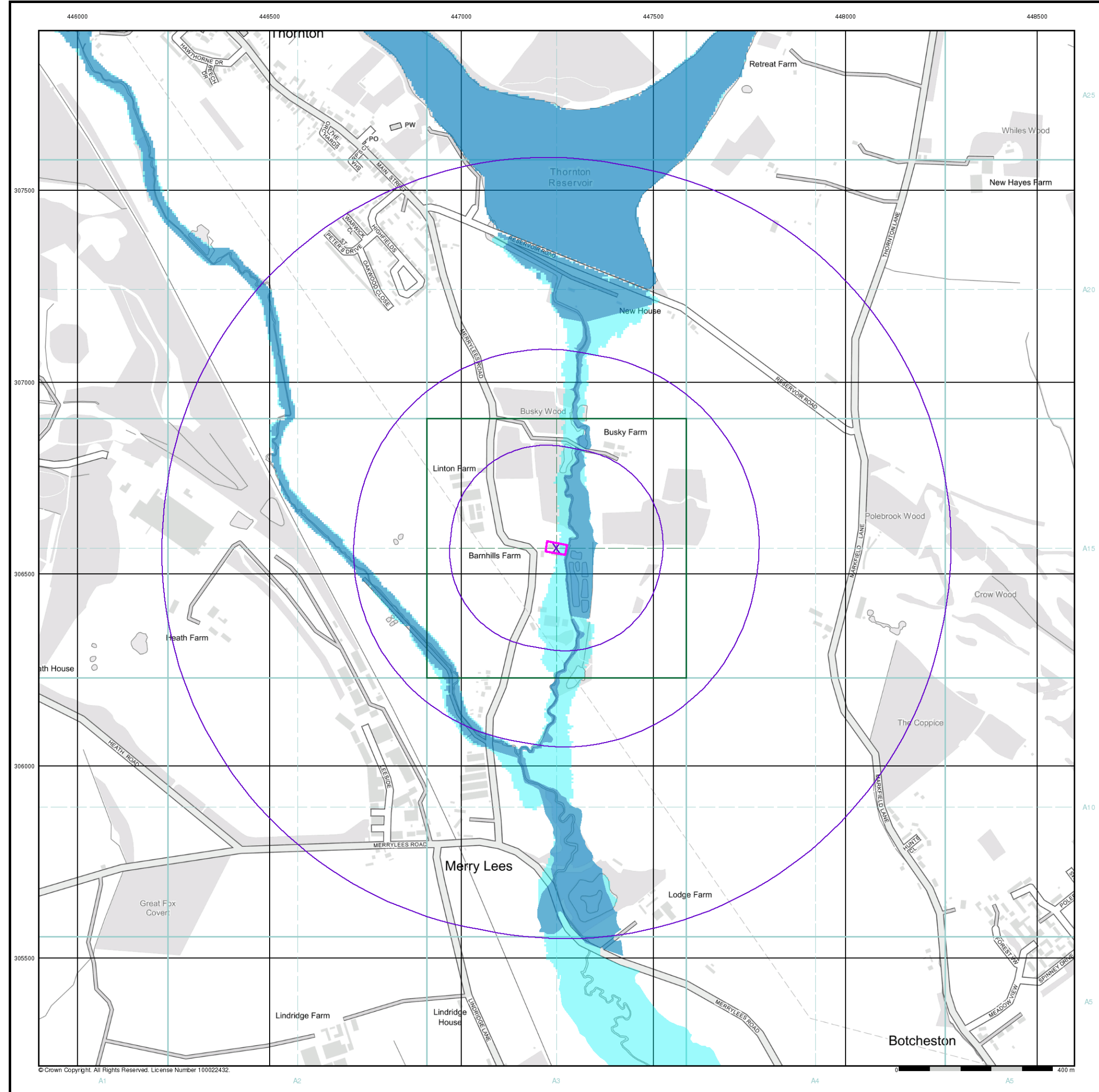
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# Envirocheck<sup>®</sup>

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### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

### Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

### Flood Map - Slice A

### Order Details

|                          |                   |
|--------------------------|-------------------|
| Order Number:            | 346705048_1_1     |
| Customer Ref:            | RDM 1193 Thornton |
| National Grid Reference: | 447250, 306570    |
| Slice:                   | A                 |
| Site Area (Ha):          | 0.15              |
| Search Buffer (m):       | 1000              |

### Site Details

Barnhills Farm, Merrylees Road, Thornton, COALVILLE, LE67 1AP

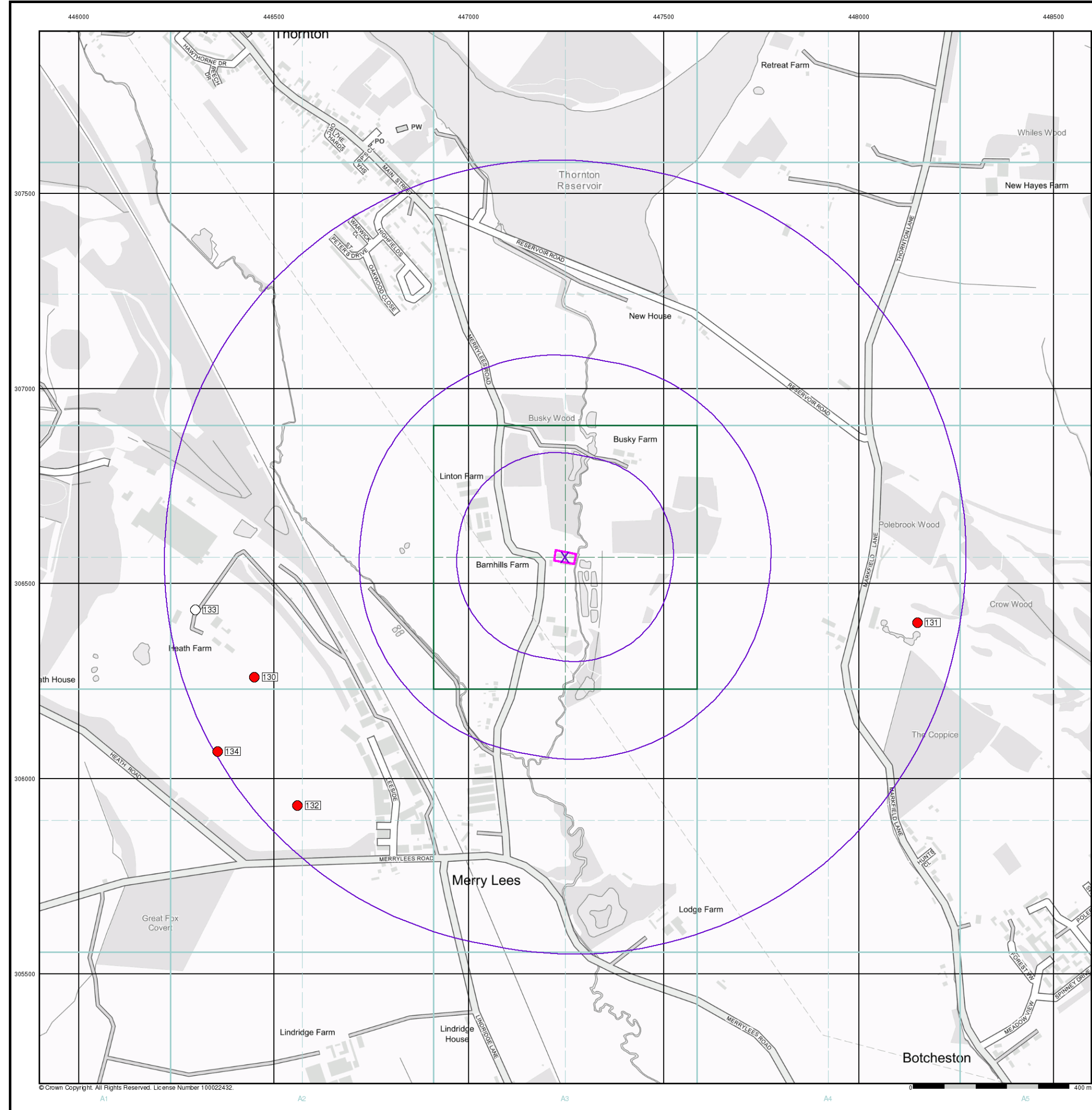
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## General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

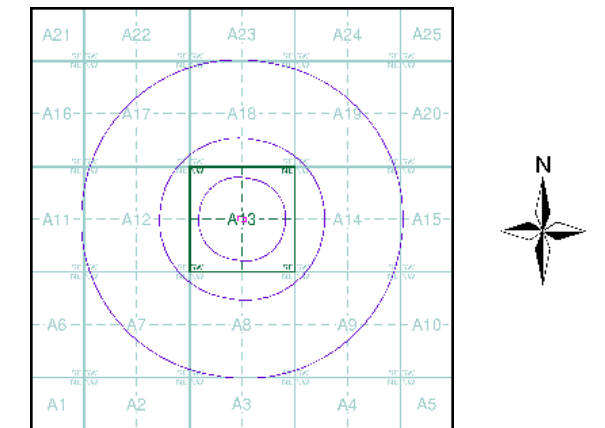
## Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

## Borehole Map - Slice A

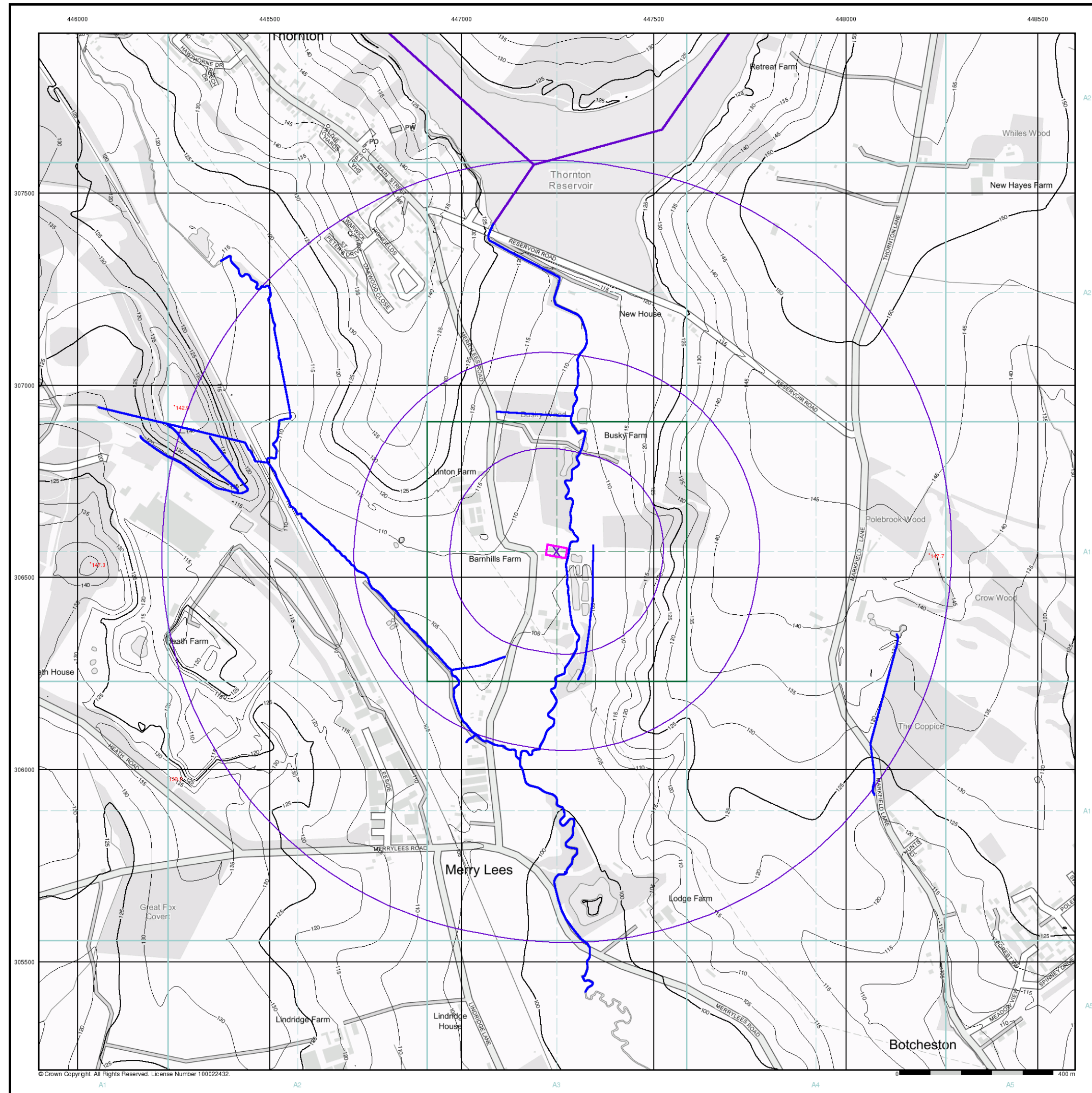


## Order Details

Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

## Site Details

Barnhills Farm, Merrylees Road, Thornton, COALVILLE, LE67 1AP



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## General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

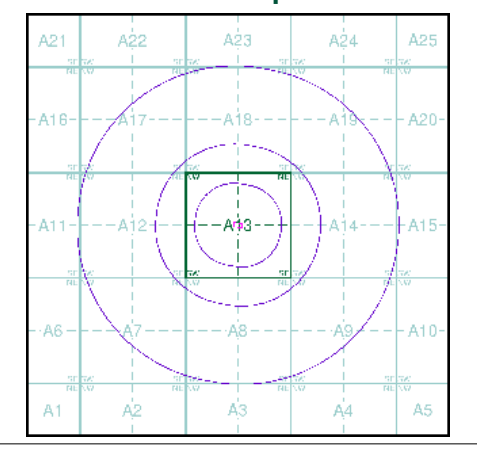
## OS Water Network Data

- |              |                         |
|--------------|-------------------------|
| Canal        | Drain                   |
| Reservoir    | Other                   |
| Foreshore    | Lake                    |
| Marsh        | Transfer                |
| Tidal River  | Lock Or Flight Of Locks |
| Inland River | Sea                     |

## Contours (height in meters)

- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 167.3
- MLW: Mean Low Water
- MHW: Mean High Water

## OS Water Network Map - Slice A



## Order Details

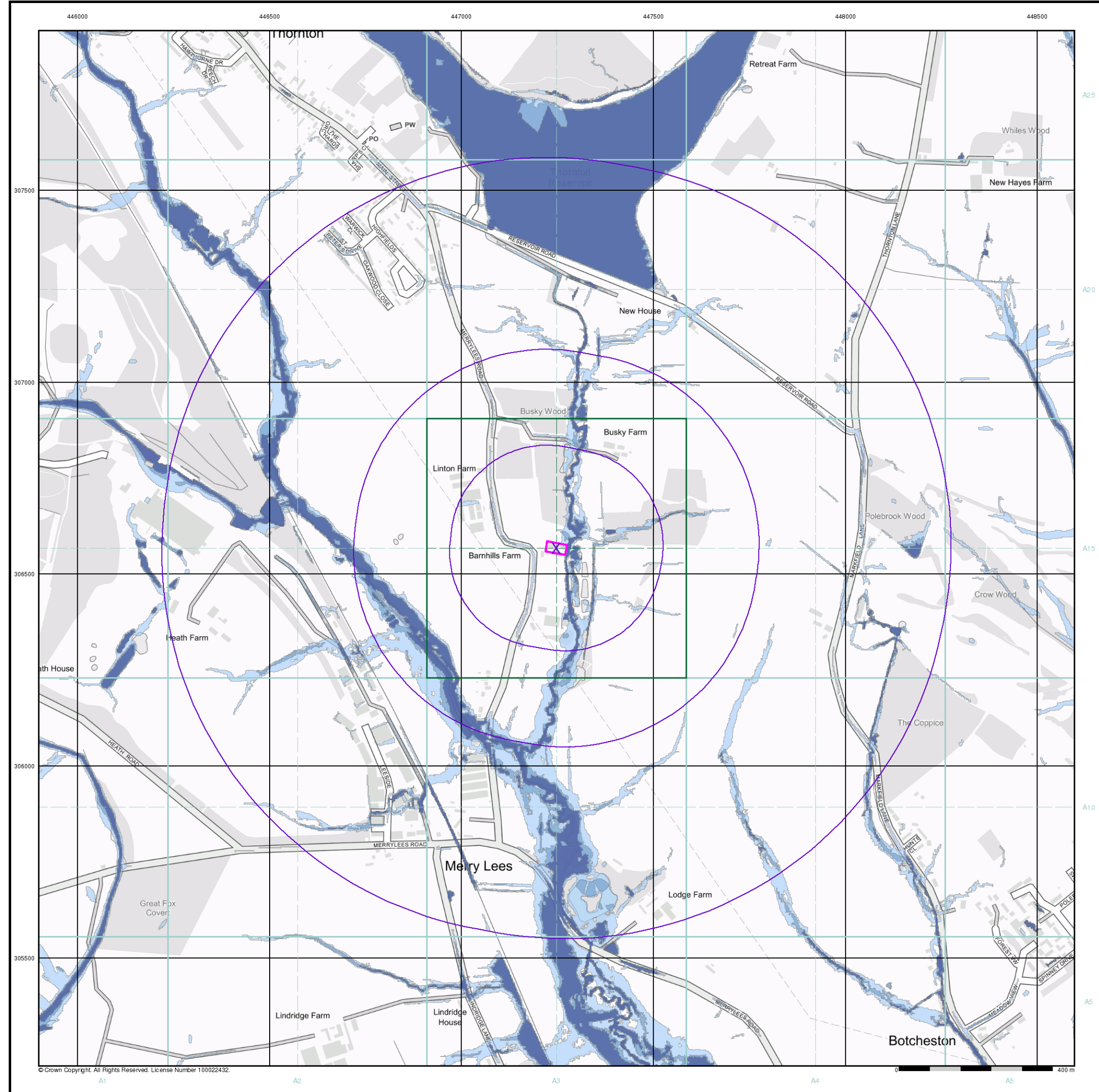
Order Number: 346705048\_1\_1  
Customer Ref: RDM 1193 Thornton  
National Grid Reference: 447250, 306570  
Slice: A  
Site Area (Ha): 0.15  
Search Buffer (m): 1000

## Site Details

Barnhills Farm, Merrylees Road, Thornton, COALVILLE, LE67 1AP

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### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

### Risk of Flooding from Surface Water

- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

### Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

### E/NRW Suitability Map - Slice A

### Order Details

|                          |                   |
|--------------------------|-------------------|
| Order Number:            | 346705048_1_1     |
| Customer Ref:            | RDM 1193 Thornton |
| National Grid Reference: | 447250, 306570    |
| Slice:                   | A                 |
| Site Area (Ha):          | 0.15              |
| Search Buffer (m):       | 1000              |

### Site Details

Barnhills Farm, Merrylees Road, Thornton, COALVILLE, LE67 1AP

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## **APPENDIX VII**

### **DATA SHEETS**

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

346705048\_1\_1

**Customer Reference:**

RDM 1193 Thornton

**National Grid Reference:**

447250, 306570

**Slice:**

A

**Site Area (Ha):**

0.15

**Search Buffer (m):**

1000

#### Site Details:

Barnhills Farm, Merrylees Road

Thornton

COALVILLE

LE67 1AP

#### Client Details:

Mr R Gray

RDM Environmental & Geotechnical

Engineering

42 High Street, Gretton

Corby

Northamptonshire

NN17 3DE

| Report Section        | Page Number |
|-----------------------|-------------|
| Summary               | -           |
| Agency & Hydrological | 1           |
| Waste                 | 17          |
| Hazardous Substances  | 20          |
| Geological            | 21          |
| Industrial Land Use   | 25          |
| Sensitive Land Use    | 34          |
| Data Currency         | 35          |
| Data Suppliers        | 42          |
| Useful Contacts       | 43          |

### Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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### Report Version v53.0

| Data Type                                                     | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Agency &amp; Hydrological</b>                              |             |         |           |             |                             |
| BGS Groundwater Flooding Susceptibility                       | pg 1        | Yes     | Yes       | Yes         | n/a                         |
| Contaminated Land Register Entries and Notices                |             |         |           |             |                             |
| Discharge Consents                                            | pg 1        |         |           | 4           | 13                          |
| Prosecutions Relating to Controlled Waters                    |             |         | n/a       | n/a         | n/a                         |
| Enforcement and Prohibition Notices                           |             |         |           |             |                             |
| Integrated Pollution Controls                                 |             |         |           |             |                             |
| Integrated Pollution Prevention And Control                   | pg 6        |         |           |             | 3                           |
| Local Authority Integrated Pollution Prevention And Control   | pg 6        |         |           |             | 2                           |
| Local Authority Pollution Prevention and Controls             | pg 6        |         |           |             | 1                           |
| Local Authority Pollution Prevention and Control Enforcements |             |         |           |             |                             |
| Nearest Surface Water Feature                                 | pg 7        |         | Yes       |             |                             |
| Pollution Incidents to Controlled Waters                      | pg 7        |         | 2         |             | 11                          |
| Prosecutions Relating to Authorised Processes                 |             |         |           |             |                             |
| Registered Radioactive Substances                             |             |         |           |             |                             |
| River Quality                                                 | pg 9        | 1       |           |             | 2                           |
| River Quality Biology Sampling Points                         |             |         |           |             |                             |
| River Quality Chemistry Sampling Points                       | pg 10       |         | 1         |             |                             |
| Substantiated Pollution Incident Register                     |             |         |           |             |                             |
| Water Abstractions                                            | pg 10       |         |           | 1           | 2 (*2)                      |
| Water Industry Act Referrals                                  |             |         |           |             |                             |
| Groundwater Vulnerability Map                                 | pg 12       | Yes     | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Soluble Rock Risk                 |             |         | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Local Information                 |             |         | n/a       | n/a         | n/a                         |
| Bedrock Aquifer Designations                                  | pg 12       | Yes     | n/a       | n/a         | n/a                         |
| Superficial Aquifer Designations                              | pg 12       | Yes     | n/a       | n/a         | n/a                         |
| Source Protection Zones                                       |             |         |           |             |                             |
| Extreme Flooding from Rivers or Sea without Defences          | pg 12       | Yes     |           | n/a         | n/a                         |
| Flooding from Rivers or Sea without Defences                  | pg 12       | Yes     | Yes       | n/a         | n/a                         |
| Areas Benefiting from Flood Defences                          |             |         |           | n/a         | n/a                         |
| Flood Water Storage Areas                                     |             |         |           | n/a         | n/a                         |
| Flood Defences                                                |             |         |           | n/a         | n/a                         |
| OS Water Network Lines                                        | pg 12       |         | 4         | 10          | 23                          |

| Data Type                                                           | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Waste</b>                                                        |             |         |           |             |                             |
| BGS Recorded Landfill Sites                                         |             |         |           |             |                             |
| Historical Landfill Sites                                           | pg 17       |         |           |             | 3                           |
| Integrated Pollution Control Registered Waste Sites                 |             |         |           |             |                             |
| Licensed Waste Management Facilities (Landfill Boundaries)          | pg 17       |         |           |             | 1                           |
| Licensed Waste Management Facilities (Locations)                    | pg 17       |         |           |             | 1                           |
| Local Authority Landfill Coverage                                   | pg 18       | 2       | n/a       | n/a         | n/a                         |
| Local Authority Recorded Landfill Sites                             | pg 18       |         |           |             | 3                           |
| Potentially Infilled Land (Non-Water)                               | pg 18       |         |           |             | 2                           |
| Potentially Infilled Land (Water)                                   | pg 18       |         |           |             | 3                           |
| Registered Landfill Sites                                           |             |         |           |             |                             |
| Registered Waste Transfer Sites                                     | pg 19       |         |           |             | 1                           |
| Registered Waste Treatment or Disposal Sites                        |             |         |           |             |                             |
| <b>Hazardous Substances</b>                                         |             |         |           |             |                             |
| Control of Major Accident Hazards Sites (COMAH)                     | pg 20       |         |           |             | 3                           |
| Explosive Sites                                                     |             |         |           |             |                             |
| Notification of Installations Handling Hazardous Substances (NIHHS) | pg 20       |         |           |             | 2                           |
| Planning Hazardous Substance Consents                               | pg 20       |         |           |             | 2                           |
| Planning Hazardous Substance Enforcements                           |             |         |           |             |                             |

| Data Type                                                         | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|-------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Geological</b>                                                 |             |         |           |             |                             |
| BGS 1:625,000 Solid Geology                                       | pg 21       | Yes     | n/a       | n/a         | n/a                         |
| BGS Estimated Soil Chemistry                                      | pg 21       | Yes     | Yes       | Yes         | Yes                         |
| BGS Recorded Mineral Sites                                        | pg 23       |         |           |             | 3                           |
| BGS Urban Soil Chemistry                                          |             |         |           |             |                             |
| BGS Urban Soil Chemistry Averages                                 |             |         |           |             |                             |
| CBSCB Compensation District                                       |             |         | n/a       | n/a         | n/a                         |
| Coal Mining Affected Areas                                        | pg 24       | Yes     | n/a       | n/a         | n/a                         |
| Mining Instability                                                |             |         | n/a       | n/a         | n/a                         |
| Man-Made Mining Cavities                                          |             |         |           |             |                             |
| Natural Cavities                                                  |             |         |           |             |                             |
| Non Coal Mining Areas of Great Britain                            |             |         |           | n/a         | n/a                         |
| Potential for Collapsible Ground Stability Hazards                | pg 24       |         | Yes       | n/a         | n/a                         |
| Potential for Compressible Ground Stability Hazards               | pg 24       | Yes     |           | n/a         | n/a                         |
| Potential for Ground Dissolution Stability Hazards                |             |         |           | n/a         | n/a                         |
| Potential for Landslide Ground Stability Hazards                  | pg 24       | Yes     | Yes       | n/a         | n/a                         |
| Potential for Running Sand Ground Stability Hazards               | pg 24       | Yes     | Yes       | n/a         | n/a                         |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 24       | Yes     |           | n/a         | n/a                         |
| Radon Potential - Radon Affected Areas                            |             |         | n/a       | n/a         | n/a                         |
| Radon Potential - Radon Protection Measures                       |             |         | n/a       | n/a         | n/a                         |
| <b>Industrial Land Use</b>                                        |             |         |           |             |                             |
| Contemporary Trade Directory Entries                              | pg 25       |         |           |             | 57                          |
| Fuel Station Entries                                              | pg 30       |         |           |             | 1                           |
| Points of Interest - Commercial Services                          | pg 30       |         |           |             | 11                          |
| Points of Interest - Education and Health                         |             |         |           |             |                             |
| Points of Interest - Manufacturing and Production                 | pg 31       |         |           | 1           | 18                          |
| Points of Interest - Public Infrastructure                        | pg 32       |         | 1         |             | 9                           |
| Points of Interest - Recreational and Environmental               |             |         |           |             |                             |
| Gas Pipelines                                                     |             |         |           |             |                             |
| Underground Electrical Cables                                     |             |         |           |             |                             |

| Data Type                            | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m<br>(*up to 2000m) |
|--------------------------------------|-------------|---------|-----------|-------------|--------------------------------|
| <b>Sensitive Land Use</b>            |             |         |           |             |                                |
| Ancient Woodland                     |             |         |           |             |                                |
| Areas of Adopted Green Belt          |             |         |           |             |                                |
| Areas of Unadopted Green Belt        |             |         |           |             |                                |
| Areas of Outstanding Natural Beauty  |             |         |           |             |                                |
| Environmentally Sensitive Areas      |             |         |           |             |                                |
| Forest Parks                         |             |         |           |             |                                |
| Local Nature Reserves                |             |         |           |             |                                |
| Marine Nature Reserves               |             |         |           |             |                                |
| National Nature Reserves             |             |         |           |             |                                |
| National Parks                       |             |         |           |             |                                |
| Nitrate Sensitive Areas              |             |         |           |             |                                |
| Nitrate Vulnerable Zones             | pg 34       | 1       |           |             |                                |
| Ramsar Sites                         |             |         |           |             |                                |
| Sites of Special Scientific Interest |             |         |           |             |                                |
| Special Areas of Conservation        |             |         |           |             |                                |
| Special Protection Areas             |             |         |           |             |                                |
| World Heritage Sites                 |             |         |           |             |                                |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A13SW (SW)                             | 91                           | 1       | 447150 306500 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A13NE (NE)                             | 215                          | 1       | 447450 306700 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A13NE (E)                              | 225                          | 1       | 447500 306568 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A13SE (SE)                             | 234                          | 1       | 447450 306400 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A13NE (E)                              | 237                          | 1       | 447500 306650 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A13SE (SE)                             | 282                          | 1       | 447400 306300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A13SE (E)                              | 285                          | 1       | 447550 306500 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A13NE (NE)                             | 318                          | 1       | 447500 306800 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A13NW (NW)                             | 319                          | 1       | 446950 306750 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A13SW (SW)                             | 332                          | 1       | 447100 306250 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A8NE (SE)                              | 394                          | 1       | 447450 306200 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A8NE (S)                               | 421                          | 1       | 447400 306150 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A18SW (NW)                             | 471                          | 1       | 447000 307000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A9NW (SE)                              | 481                          | 1       | 447600 306200 |
| 1      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Thornton & Bagworth Stw Off Merrylees Road, Thornton, Coalville, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/08339/R<br>Permit Version: 1<br>Effective Date: 3rd February 1981<br>Issued Date: 3rd February 1981<br>Revocation Date: 10th December 2003<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Rothley Brook<br><b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 100m | A12SE (W)                              | 423                          | 2       | 446820 306420 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 1      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Thornton & Bagworth Stw Off Merrylees Road, Thornton, Coalville, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/08339/R<br>Permit Version: 1<br>Effective Date: 3rd February 1981<br>Issued Date: 3rd February 1981<br>Revocation Date: 10th December 2003<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Rothley Brook<br><b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A12SE (W)                              | 423                          | 2       | 446820 306420 |
| 2      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Merry Lees Pumping Station, Merry Lees, Near Desford, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/21826/O<br>Permit Version: 1<br>Effective Date: 26th August 1992<br>Issued Date: 26th August 1992<br>Revocation Date: 7th June 2019<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Rothley Brook<br><b>Status:</b> <b>Surrendered under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 100m                                                                                                                 | A8NW (SW)                              | 482                          | 2       | 447020 306120 |
| 2      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Merry Lees Pumping Station, Merry Lees, Near Desford, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/21826/O<br>Permit Version: 1<br>Effective Date: 26th August 1992<br>Issued Date: 26th August 1992<br>Revocation Date: 7th June 2019<br>Discharge Type: Sewage Discharges - Pumping Station - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Rothley Brook<br><b>Status:</b> <b>Surrendered under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                   | A8NW (SW)                              | 482                          | 2       | 447020 306120 |
| 3      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Captains Lane Storm Overflow Captains Lane, Markfield, Leicestershire, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/20495/O<br>Permit Version: 1<br>Effective Date: 21st August 1995<br>Issued Date: 21st August 1995<br>Revocation Date: 8th April 2001<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Thornton Brook<br><b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 100m                     | A18SE (N)                              | 506                          | 2       | 447330 307080 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 3      | <b>Discharge Consents</b><br>Operator: South Charnwood High School<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: South Charnwood School Broad Lane, Markfield, Leicester, Leicestershire, Le67 9tb<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/45216/S<br>Permit Version: 1<br>Effective Date: 24th March 1998<br>Issued Date: 24th March 1998<br>Revocation Date: 3rd July 2008<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Of Rothley Brook<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 100m | A18SE (N)                              | 521                          | 2       | 447300<br>307100 |
| 4      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Captains Lane Sco Field No 5247, Captains Lane, Markfield, Leicestershire, Le67 9uy<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/45446/O<br>Permit Version: 2<br>Effective Date: 5th December 2017<br>Issued Date: 5th December 2017<br>Revocation Date: 30th March 2018<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Rothley Brook<br><b>Status:</b> Varied under EPR 2010<br>Positional Accuracy: Located by supplier to within 10m                                                                                 | A18SE (N)                              | 586                          | 2       | 447315<br>307164 |
| 4      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Captains Lane Sco Field No 5247, Captains Lane, Markfield, Leicestershire, Le67 9uy<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/45446/O<br>Permit Version: 3<br>Effective Date: 31st March 2018<br>Issued Date: 5th December 2017<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Rothley Brook<br><b>Status:</b> Varied under EPR 2010<br>Positional Accuracy: Located by supplier to within 10m                                                                                      | A18SE (N)                              | 586                          | 2       | 447315<br>307164 |
| 5      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY<br>Location: Thornton Water Treatment Works, Thornton, Leicester, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/02952/T<br>Permit Version: 2<br>Effective Date: 1st January 2010<br>Issued Date: 24th September 2009<br>Revocation Date: 10th August 2010<br>Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw)<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Of Rothley Brook<br><b>Status:</b> Surrendered under EPR 2010<br>Positional Accuracy: Located by supplier to within 100m                                                                         | A18SW (N)                              | 615                          | 2       | 447200<br>307200 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 5      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY<br>Location: Thornton Water Treatment Works, Thornton, Leicester, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/02952/T<br>Permit Version: 2<br>Effective Date: 1st January 2010<br>Issued Date: 24th September 2009<br>Revocation Date: 10th August 2010<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Of Rothley Brook<br><b>Status: Surrendered under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 100m                                             | A18SW (N)                              | 615                          | 2       | 447200<br>307200 |
| 5      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY<br>Location: Thornton Water Treatment Works, Thornton, Leicester, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/02952/T<br>Permit Version: 1<br>Effective Date: 4th June 1971<br>Issued Date: 4th June 1971<br>Revocation Date: 31st December 2009<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Of Rothley Brook<br><b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b><br>Positional Accuracy: Located by supplier to within 100m    | A18SW (N)                              | 615                          | 2       | 447200<br>307200 |
| 5      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY<br>Location: Thornton Water Treatment Works, Thornton, Leicester, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/02952/T<br>Permit Version: 1<br>Effective Date: 4th June 1971<br>Issued Date: 4th June 1971<br>Revocation Date: 31st December 2009<br>Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw)<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Of Rothley Brook<br><b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b><br>Positional Accuracy: Located by supplier to within 100m         | A18SW (N)                              | 615                          | 2       | 447200<br>307200 |
| 6      | <b>Discharge Consents</b><br>Operator: Forterra Building Products Limited<br>Property Type: MAKING OF GLASS/CERAMICS/CEMENT/CUTTING STONE<br>Location: Desford Brickworks, Heath Road, Bagworth, Leicestershire, Le67 1dl<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/21949/T<br>Permit Version: 1<br>Effective Date: 11th December 1992<br>Issued Date: 11th December 1992<br>Revocation Date: 10th September 2020<br>Discharge Type: Trade Effluent Discharge-Site Drainage<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Of Rothley Brook<br><b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m | A12NW (W)                              | 684                          | 2       | 446550<br>306710 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 6      | <b>Discharge Consents</b><br>Operator: Forterra Building Products Limited<br>Property Type: MAKING OF GLASS/CERAMICS/CEMENT/CUTTING STONE<br>Location: Desford Brickworks, Heath Road, Bagworth, Leicestershire, Le67 1dl<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/21949/T<br>Permit Version: 2<br>Effective Date: 11th September 2020<br>Issued Date: 11th September 2020<br>Revocation Date: Not Supplied<br>Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips)<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Tributary Of Rothley Brook<br><b>Status: Varied under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                             | A12NW (W)                              | 714                          | 2       | 446519 306707 |
| 7      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Merrylees Industrial Estate - Sws, Nr Desford, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/12300/O<br>Permit Version: 1<br>Effective Date: 10th May 1988<br>Issued Date: 10th May 1988<br>Revocation Date: 30th March 2000<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Merrylees Brook<br><b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 100m    | A8NW (SW)                              | 686                          | 2       | 446970 305920 |
| 8      | <b>Discharge Consents</b><br>Operator: Sparis Leisure Ltd<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Forest Hill Golf Club, Markfield Lane, Botcheston, Leicester, Le9 9fh<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: Eprpb3792ww<br>Permit Version: 1<br>Effective Date: 5th February 2020<br>Issued Date: 5th February 2020<br>Revocation Date: 7th September 2022<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Land/Soakaway<br>Environment:<br>Receiving Water: Ground<br><b>Status: Surrendered under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                                                      | A14SE (E)                              | 807                          | 2       | 448048 306335 |
| 9      | <b>Discharge Consents</b><br>Operator: Severn Trent Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Highfields Surface Water Sewer, Thornton, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Catchment Area: Rothley Brook Catchment<br>Reference: T/56/02806/W<br>Permit Version: 1<br>Effective Date: 17th November 1970<br>Issued Date: 17th November 1970<br>Revocation Date: 30th March 2000<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Rothley Brook<br><b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 100m | A17SW (NW)                             | 887                          | 2       | 446500 307100 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 10     | <b>Integrated Pollution Prevention And Control</b><br>Name: Hay<br>Location: Henwood Farm Poultry Unit - Epr/Dp3431zj, Henwood Farm, Merrylees Road,,, Thornton, Leicestershire, LE67 1AN<br>Authority: Environment Agency, Midlands Region<br>Permit Reference: DP3006PF<br>Original Permit Ref: Dp3431zj<br>Effective Date: 12th March 2020<br><b>Status: Effective</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Located by supplier to within 10m<br>Activity Code: 6.9 A(1) (A) (I)<br>Activity Description: Intensive Farming; Greater Than 40,000 Poultry<br>Primary Activity: Y                                                                                                                      | A12SE (W)                              | 504                          | 2       | 446720 306490 |
| 11     | <b>Integrated Pollution Prevention And Control</b><br>Name: Mr Jonathan Hay<br>Location: Henwood Farm Poultry Unit - Epr/Dp3431zj, Henwood Farm, Henwood Farm Poultry Unit - Epr/Dp3431zj, Merrylees Road,,, Thornton, LE67 1AN<br>Authority: Environment Agency, Midlands Region<br>Permit Reference: DP3431ZJ<br>Original Permit Ref: Dp3431zj<br>Effective Date: 12th March 2020<br><b>Status: Effective</b><br>Application Type: Variation (Normal)<br>App. Sub Type: Not Supplied<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 6.9 A(1) (A) (I)<br>Activity Description: Intensive Farming; Greater Than 40,000 Poultry<br>Primary Activity: Y                                                             | A8NW (S)                               | 533                          | 2       | 447038 306058 |
| 11     | <b>Integrated Pollution Prevention And Control</b><br>Name: Blue Moon Farms Limited<br>Location: Henwood Farm, Desford Road,,, Kirby Muxloe, Herefordshire, LE9 2BF<br>Authority: Environment Agency, Midlands Region<br>Permit Reference: CP3537MJ<br>Original Permit Ref: Cp3537mj<br>Effective Date: 24th August 2007<br><b>Status: Revoked</b><br>Application Type: New<br>App. Sub Type: Not Supplied<br>Positional Accuracy: Manually positioned to the address or location<br>Activity Code: 6.9 A(1) (A) (I)<br>Activity Description: Intensive Farming; Greater Than 40,000 Poultry<br>Primary Activity: Y<br>Activity Code: 0.0 Associated Process<br>Activity Description: Directly Associated Activity (Included)<br>Primary Activity: N | A8NW (S)                               | 570                          | 2       | 447035 306020 |
| 12     | <b>Local Authority Integrated Pollution Prevention And Control</b><br>Name: Forterra Building Products Ltd<br>Location: Heath Road, Bagworth<br>Authority: Hinckley And Bosworth Borough Council, Environmental Health Department<br>Permit Reference: EPR 8<br>Dated: 27th May 2010<br>Process Type: Mineral Industries<br>Description: Heavy clay goods<br><b>Status: Permit Issued</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                                                                                                                                                                                                                  | A11NE (W)                              | 994                          | 3       | 446230 306647 |
| 12     | <b>Local Authority Integrated Pollution Prevention And Control</b><br>Name: Hanson Building Products Ltd<br>Location: Heath Lane, Bagworth, COALVILLE, LE67 1DL<br>Authority: Hinckley And Bosworth Borough Council, Environmental Health Department<br>Permit Reference: PPCA11<br>Dated: 25th November 2004<br>Process Type: Mineral Industries<br>Description: Heavy Clay Goods<br><b>Status: Permit Issued</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                                                                                                                                                                                         | A11NE (W)                              | 994                          | 3       | 446230 306647 |
| 13     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Hanson Building Products Ltd<br>Location: Desford Brickworks, Heath Lane, Bagworth, COALVILLE, Leicestershire, LE67 1DL<br>Authority: Hinckley And Bosworth Borough Council, Environmental Health Department<br>Permit Reference: EPR-8<br>Dated: 4th February 2000<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG3/2 Manufacture of heavy clay goods and refractory goods<br><b>Status: Transferred to LAIPPC</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                                                                                 | A11NE (W)                              | 994                          | 3       | 446230 306647 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Nearest Surface Water Feature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SE (E)                              | 3                            | -       | 447277 306567 |
| 14     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Other Farming<br>Location: Merry Lees Road, BAGWORTH<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Miscellaneous - Unknown<br>Note: Tributary Rothly Brook; Greasy Disch From Drain; Amenity Effected<br>Incident Date: 15th October 1997<br>Incident Reference: 2803519<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                    | A13SW (W)                              | 90                           | 2       | 447130 306550 |
| 15     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Company Sewage: Other<br>Location: Busky Farm, THORNTON<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Miscellaneous - Natural<br>Note: Amenity Affected; Algae In Watercourse<br>Incident Date: 4th June 1998<br>Incident Reference: 2804606<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Algal Bloom<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                     | A13NE (N)                              | 225                          | 2       | 447300 306800 |
| 16     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Company Sewage: Pumping Station<br>Location: Anstey Abstraction Point<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Crude Sewage<br>Note: Rothley Brook; Power Failure - Sewage To Brook At Bagworth; No Adverse Effects<br>Incident Date: 25th April 1997<br>Incident Reference: 2802463<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Electrical Failure<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8NW (S)                               | 523                          | 2       | 447100 306050 |
| 17     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Miscellaneous Premises: Unknown<br>Location: By Waterworks , Thornton Reservoir, THORNTON<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Miscellaneous - Inert Suspended Solids<br>Note: Amenity Affected; Red Discolouration<br>Incident Date: 22nd May 1998<br>Incident Reference: 2804524<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8NW (SW)                              | 555                          | 2       | 447000 306050 |
| 17     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Company Sewage: Pumping Station<br>Location: Merry Lees, Markfield, LEICESTER<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Crude Sewage<br>Note: Power Failure At Merry Lees Some Sewage To Stream; Amenity Effected<br>Incident Date: 1st June 1997<br>Incident Reference: 2802683<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Electrical Failure<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m      | A8NW (SW)                              | 592                          | 2       | 447000 306010 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 18     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Company Sewage: Other<br>Location: Discharge To Rothley Brook, Thornton Reservoir<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Raw Water<br>Note: Abstraction Affected; Rothley Brook; Low Dissolved Oxygen Alarm At Cropston Treatment Works<br>Incident Date: 12th November 1996<br>Incident Reference: 2801554<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Pond/Lake<br>Cause of Incident: Electrical Failure<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                       | A18SE (N)                              | 570                          | 2       | 447300<br>307150 |
| 19     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Private Sewage (Non-PLC): Water Distribution System<br>Location: Thornton Reservoir<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Miscellaneous - Natural<br>Note: Lo Do No Compensation Water Going Down; No Adverse Effects<br>Incident Date: 19th August 1997<br>Incident Reference: 2803216<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Low Dissolved Oxygen<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                            | A18SE (N)                              | 628                          | 2       | 447350<br>307200 |
| 20     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Company Sewage: Other<br>Location: Water Treatment Works, Cropston, LEICESTER<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Miscellaneous - Natural<br>Note: Potable Supply Affected; River Soar; Water Quality Monitor Alarm -Low Dissolved Oxygen<br>Incident Date: 7th December 1996<br>Incident Reference: 2801685<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Miscellaneous/Other Pollution Type<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A18NE (N)                              | 669                          | 2       | 447300<br>307250 |
| 21     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Miscellaneous Premises: Unknown<br>Location: Newbold Heath To Merry Lees, And Fox Covert Hill<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Miscellaneous - Foam<br>Note: Amenity Affected; Chicken Waste In Brooks - Very Frothy<br>Incident Date: 4th November 1998<br>Incident Reference: 2805260<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Weather<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                    | A8SE (S)                               | 801                          | 2       | 447250<br>305750 |
| 22     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Miscellaneous Premises: Other<br>Location: Thornton Reservoir, Leicestershire<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Miscellaneous - Natural<br>Note: Fish Killed; Reservoir; Dead Fish<br>Incident Date: 11th June 1996<br>Incident Reference: 2800806<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Pond/Lake<br>Cause of Incident: Miscellaneous/Other Pollution Type<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                 | A18NE (N)                              | 843                          | 2       | 447450<br>307400 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 23     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Fire Water<br>Location: Merrylees Industrial Estate, Bagworth Road, Merry Lees, LEICESTER<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Miscellaneous - Other<br>Note: No Adverse Effects; Large Waste Skip On Fire<br>Incident Date: 21st February 1997<br>Incident Reference: 2802071<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Not Given<br>Cause of Incident: Fire<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A7SE (SW)                              | 867                          | 2       | 446800<br>305800 |
| 24     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Company Sewage: Foul Sewer<br>Location: Near Chicken Farm, MERRY LEES<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Crude Sewage<br>Note: Manhole Surcharging Sewage To Watercourse; No Adverse Effects<br>Incident Date: 27th May 1997<br>Incident Reference: 2802636<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Blocked Sewer<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8SW (S)                               | 876                          | 2       | 447050<br>305700 |
| 25     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Company Sewage: Other<br>Location: Thornton Reservoir<br>Authority: Environment Agency, Midlands Region<br>Pollutant: Miscellaneous - Other<br>Note: Rothley Brook; Low Dissolved Oxygen; No Adverse Effects<br>Incident Date: 27th July 1997<br>Incident Reference: 2803106<br>Catchment Area: Trent Catchment : Rothley Brook<br>Receiving Water: Watercourse<br>Cause of Incident: Algal Bloom<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m               | A18NW (N)                              | 905                          | 2       | 447210<br>307490 |
|        | <b>River Quality</b><br>Name: Markfield Bk<br>GQA Grade: River Quality B<br>Reach: Thornton Res. To Conf. Rothley Bk<br>Estimated Distance (km): 1.8<br>Flow Rate: Flow less than 0.31 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                                                                                                                      | A13NE (E)                              | 0                            | 2       | 447264<br>306568 |
|        | <b>River Quality</b><br>Name: Rothley Bk<br>GQA Grade: River Quality B<br>Reach: Thornton Bagworth Stw To Thornton Bk<br>Estimated Distance (km): 1.8<br>Flow Rate: Flow less than 0.31 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                                                                                                                     | A7NE (SW)                              | 516                          | 2       | 446869<br>306181 |
|        | <b>River Quality</b><br>Name: Rothley Bk<br>GQA Grade: River Quality B<br>Reach: Conf. Thornton Bk To Trib From Desford<br>Estimated Distance (km): 4<br>Flow Rate: Flow less than 0.31 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                                                                                                                     | A8NW (S)                               | 663                          | 2       | 447127<br>305903 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 26     | <b>River Quality Chemistry Sampling Points</b><br>Name: Markfield Beck<br>Reach: Thornton Reservoir To Confluence Rothley Brook<br>Estimated Distance: 1.80<br>Objective: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m<br>Year: 1990<br>GQA Grade: Not Supplied<br>Compliance: Not Supplied<br>Year: 1993<br>GQA Grade: Not Supplied<br>Compliance: Not Supplied<br>Year: 1994<br>GQA Grade: Not Supplied<br>Compliance: Not Supplied<br>Year: 1995<br>GQA Grade: River Quality Chemistry GQA Grade B - Good<br>Compliance: Not Supplied<br>Year: 1996<br>GQA Grade: River Quality Chemistry GQA Grade B - Good<br>Compliance: Not Supplied<br>Year: 1997<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1998<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1999<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2000<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2001<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2002<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2003<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2004<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2005<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2006<br>GQA Grade: River Quality Chemistry GQA Grade B - Good<br>Compliance: Not Supplied<br>Year: 2007<br>GQA Grade: River Quality Chemistry GQA Grade B - Good<br>Compliance: Not Supplied<br>Year: 2008<br>GQA Grade: River Quality Chemistry GQA Grade B - Good<br>Compliance: Not Supplied<br>Year: 2009<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied | A13NE (N)                              | 225                          | 2       | 447300<br>306800 |
| 27     | <b>Water Abstractions</b><br>Operator: Mr C H Bancroft<br>Licence Number: 03/28/56/0009<br>Permit Version: 100<br>Location: Busky Farm - Well<br>Authority: Environment Agency, Midlands Region<br>Abstraction: General Farming And Domestic<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Busky Farm - Borehole<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A13NE (NE)                             | 257                          | 2       | 447400<br>306800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 28     | <b>Water Abstractions</b><br>Operator: Severn Trent Water<br>Licence Number: 03/28/56/0002<br>Permit Version: Not Supplied<br>Location: Leicestershire District<br>Authority: Environment Agency, Midlands Region<br>Abstraction: Public Water Supply<br>Abstraction Type: Not Supplied<br>Source: Unknown<br>Daily Rate (m3): 10000<br>Yearly Rate (m3): 2500300<br>Details: Status: Revoked; Lapsed Or Cancelled<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                             | A18NE (N)                              | 737                          | 2       | 447280 307320 |
| 29     | <b>Water Abstractions</b><br>Operator: Forest Hill Golf Club<br>Licence Number: 03/28/56/0031<br>Permit Version: 100<br>Location: Forest Hill Golf Club - Borehole<br>Authority: Environment Agency, Midlands Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Forest Hill Golf Club - Borehole<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2008<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A14SE (E)                              | 798                          | 2       | 448050 306380 |
|        | <b>Water Abstractions</b><br>Operator: T H And T N Scarratt<br>Licence Number: 03/28/56/0006<br>Permit Version: 100<br>Location: Lindridge Hall - Well<br>Authority: Environment Agency, Midlands Region<br>Abstraction: General Farming And Domestic<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Lindridge Hall - Well<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                    | A2SW (SW)                              | 1809                         | 2       | 446500 304900 |
|        | <b>Water Abstractions</b><br>Operator: British Coal Corporation<br>Licence Number: 03/28/56/00291<br>Permit Version: Not Supplied<br>Location: Desford Colliery<br>Authority: Environment Agency, Midlands Region<br>Abstraction: Impounding<br>Abstraction Type: Not Supplied<br>Source: Surface<br>Daily Rate (m3): 0<br>Yearly Rate (m3): 0<br>Details: Not Supplied<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                                        | A21SW (NW)                             | 1922                         | 2       | 445835 307915 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability<br>Combined Vulnerability: Medium<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Intermediate<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: <3m<br>Superficial Recharge: Low | A13NW (NW)                             | 0                            | 4       | 447247 306568 |
|        | <b>Groundwater Vulnerability - Soluble Rock Risk</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                              |         |               |
|        | <b>Bedrock Aquifer Designations</b><br>Aquifer Designation: Secondary Aquifer - B                                                                                                                                                                                                                                                                                                                                                                                  | A13NW (NW)                             | 0                            | 4       | 447247 306568 |
|        | <b>Superficial Aquifer Designations</b><br>Aquifer Designation: Secondary Aquifer - A                                                                                                                                                                                                                                                                                                                                                                              | A13NW (NW)                             | 0                            | 4       | 447247 306568 |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Extreme Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied                                                                                                                                                                                                                                                          | A13NE (E)                              | 0                            | 2       | 447255 306568 |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied                                                                                                                                                                                                                                                                          | A13SE (E)                              | 0                            | 2       | 447273 306561 |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied                                                                                                                                                                                                                                                                          | A13SE (S)                              | 166                          | 2       | 447292 306385 |
|        | <b>Areas Benefiting from Flood Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                              |         |               |
|        | <b>Flood Water Storage Areas</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |                              |         |               |
|        | <b>Flood Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |                              |         |               |
| 30     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1119.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1                                                                                                                                                                                                                                  | A13SE (E)                              | 5                            | 5       | 447278 306563 |
| 31     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 198.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1                                                                                                                                                                                                                                   | A13SE (E)                              | 68                           | 5       | 447342 306567 |
| 32     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1                                                                                                                                                                                                                                          | A13SE (SE)                             | 177                          | 5       | 447334 306385 |

| Map ID | Details                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 33     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 101.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1 | A13SE (SE)                             | 186                          | 5       | 447333<br>306375 |
| 34     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1         | A13SE (S)                              | 280                          | 5       | 447319<br>306275 |
| 35     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 16.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1  | A13SE (S)                              | 282                          | 5       | 447319<br>306272 |
| 36     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 142.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1 | A13SW (SW)                             | 287                          | 5       | 447112<br>306293 |
| 37     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 24.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1          | A13SE (S)                              | 297                          | 5       | 447314<br>306256 |
| 38     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 191.6<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1      | A18SE (N)                              | 338                          | 5       | 447267<br>306921 |
| 39     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1   | A18SE (N)                              | 339                          | 5       | 447285<br>306918 |
| 40     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 672.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1 | A18SE (N)                              | 339                          | 5       | 447285<br>306918 |
| 41     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 742.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1 | A13SW (SW)                             | 386                          | 5       | 446939<br>306294 |

| Map ID | Details                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 42     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1   | A13SW (SW)                             | 387                          | 5       | 446975<br>306259 |
| 43     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 199.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1 | A13SW (SW)                             | 389                          | 5       | 446973<br>306259 |
| 44     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1  | A8NW (SW)                              | 502                          | 5       | 447037<br>306092 |
| 45     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 144.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1 | A8NW (SW)                              | 502                          | 5       | 447037<br>306092 |
| 46     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1  | A8NW (SW)                              | 514                          | 5       | 447028<br>306083 |
| 47     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 453.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1 | A8NW (S)                               | 536                          | 5       | 447151<br>306027 |
| 48     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 712.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1 | A12NW (W)                              | 742                          | 5       | 446516<br>306812 |
| 49     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1  | A12NW (W)                              | 759                          | 5       | 446495<br>306799 |
| 50     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 202.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1 | A12NW (W)                              | 792                          | 5       | 446443<br>306728 |

| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 51     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1     | A12NW (W)                              | 795                          | 5       | 446460<br>306809 |
| 52     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 25.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1     | A12NW (W)                              | 812                          | 5       | 446449<br>306830 |
| 53     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1      | A8SE (S)                               | 817                          | 5       | 447269<br>305733 |
| 54     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 258.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1    | A12NW (W)                              | 817                          | 5       | 446418<br>306722 |
| 55     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 394.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1    | A8SE (S)                               | 818                          | 5       | 447271<br>305733 |
| 56     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1      | A8SE (S)                               | 818                          | 5       | 447271<br>305733 |
| 57     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 294.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1    | A12NW (W)                              | 819                          | 5       | 446415<br>306720 |
| 58     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 392.0<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1         | A12NW (W)                              | 831                          | 5       | 446436<br>306851 |
| 59     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 188.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Thornton Reservoir<br>Catchment Name: Trent<br>Primacy: 1 | A18NW (N)                              | 845                          | 5       | 447081<br>307419 |

| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 60     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 12.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1             | A14SE (E)                              | 885                          | 5       | 448133<br>306352 |
| 61     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1           | A14SE (E)                              | 890                          | 5       | 448135<br>306340 |
| 62     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 268.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1    | A14SE (E)                              | 892                          | 5       | 448133<br>306327 |
| 63     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 80.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1          | A9NE (SE)                              | 929                          | 5       | 448064<br>306067 |
| 64     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 54.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Trent<br>Primacy: 1     | A9NE (SE)                              | 982                          | 5       | 448074<br>305988 |
| 65     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 680.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Thornton Reservoir<br>Catchment Name: Trent<br>Primacy: 1 | A18NW (N)                              | 990                          | 5       | 447188<br>307574 |
| 66     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 890.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Thornton Reservoir<br>Catchment Name: Trent<br>Primacy: 1 | A18NW (N)                              | 990                          | 5       | 447188<br>307574 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 67     | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Thornton, Hinckley, Leicestershire<br>Name: Merrylees Road<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD28236<br>First Input Date: Not Supplied<br>Last Input Date: 31st December 1958<br>Specified Waste: Deposited Waste included Unknown Material<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 2400/1229<br>BGS Ref: Not Supplied<br>Other Ref: GDO 208, 84                                                                                                                                           | A17NE (NW)                             | 768                          | 2       | 446898 307281 |
| 68     | <b>Historical Landfill Sites</b><br>Licence Holder: Desford Brickworks<br>Location: Heath Road, Coalville, Bagworth, Leicestershire<br>Name: Desford Brickworks<br>Operator Location: 14 Castle Hill, Maidenhead, Berkshire<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD35730<br>First Input Date: 1st June 1992<br>Last Input Date: Not Supplied<br>Specified Waste: Deposited Waste included Inert and Industrial Waste<br>Type:<br>EA Waste Ref: 43283<br>Regis Ref: YP3/L/MOV001<br>WRC Ref: 2700/0047<br>BGS Ref: Not Supplied<br>Other Ref: NYCC/295, 0700/NYCC295, NE3257                                                               | A12NW (W)                              | 797                          | 2       | 446426 306630 |
| 69     | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Botcheston, Hinckley, Leicestershire<br>Name: Lodge Farm<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD28254<br>First Input Date: Not Supplied<br>Last Input Date: 31st December 1952<br>Specified Waste: Deposited Waste included Industrial, Commercial and Household Waste<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 2400/1230<br>BGS Ref: Not Supplied<br>Other Ref: GDO 209                                                                                                                       | A8SE (S)                               | 849                          | 2       | 447477 305727 |
| 70     | <b>Licensed Waste Management Facilities (Landfill Boundaries)</b><br>Name: Desford Brickworks<br>Licence Number: 43283<br>Location: Desford Brickworks, Heath Road, Bagworth, Coalville, Leicestershire, LE67 1DL<br>Licence Holder: Hanson Brick Ltd<br>Authority: Environment Agency - Midlands Region, East Area<br>Site Category: Industrial Waste Landfills<br>Max Input Rate: Not Supplied<br><b>Licence Status: Inactive</b><br>Issued: 10th May 1991<br>Positional Accuracy: Positioned by the supplier<br>Boundary Accuracy: As Supplied                                                                                                                | A12NW (W)                              | 796                          | 2       | 446428 306640 |
| 71     | <b>Licensed Waste Management Facilities (Locations)</b><br>Licence Number: 43283<br>Location: Desford Brickworks, Heath Road, Bagworth, Coalville, Leicestershire, LE67 1DL<br>Operator Name: Hanson Brick Ltd<br>Operator Location: Not Supplied<br>Authority: Environment Agency - Midlands Region, East Area<br>Site Category: Industrial Waste Landfills<br><b>Licence Status: Surrendered</b><br>Issued: 10th May 1991<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: 27th July 2010<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W)                              | 744                          | 2       | 446490 306713 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Local Authority Landfill Coverage</b><br>Name: Leicestershire County Council<br>- Has supplied landfill data                                                                                                                                                                                                              |                                        | 0                            | 6       | 447247<br>306568 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Hinckley And Bosworth Borough Council<br>- Has no landfill data to supply                                                                                                                                                                                                  |                                        | 0                            | 3       | 447247<br>306568 |
| 72     | <b>Local Authority Recorded Landfill Sites</b><br>Location: Not Supplied<br>Reference: 208<br>Authority: Leicestershire County Council<br><b>Last Reported Status:</b> Unknown<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Unknown<br>Boundary Quality: Not Applicable          | A17NE (NW)                             | 789                          | 6       | 446900<br>307305 |
| 73     | <b>Local Authority Recorded Landfill Sites</b><br>Location: Not Supplied<br>Reference: 256<br>Authority: Leicestershire County Council<br><b>Last Reported Status:</b> Unknown<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Positioned by the supplier<br>Boundary Quality: Good | A12NW (W)                              | 790                          | 6       | 446432<br>306629 |
| 74     | <b>Local Authority Recorded Landfill Sites</b><br>Location: Not Supplied<br>Reference: 209<br>Authority: Leicestershire County Council<br><b>Last Reported Status:</b> Unknown<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Unknown<br>Boundary Quality: Not Applicable          | A8SE (S)                               | 874                          | 6       | 447490<br>305705 |
| 75     | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1985                                                                                                                                                                                     | A7NE (SW)                              | 657                          | -       | 446874<br>306001 |
| 76     | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1985                                                                                                                                                                                     | A7NE (SW)                              | 910                          | -       | 446577<br>305915 |
| 77     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1955                                                                                                                                                                                       | A12NW (W)                              | 784                          | -       | 446467<br>306790 |
| 78     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1930                                                                                                                                                                                       | A12NW (W)                              | 982                          | -       | 446282<br>306866 |
| 79     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1955                                                                                                                                                                                       | A17NE (N)                              | 989                          | -       | 446899<br>307520 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 80     | <b>Registered Waste Transfer Sites</b><br>Licence Holder: P Zec - Grand Prix Auto Salvage<br>Licence Reference: 344/1<br>Site Location: Merrylees Road, Desford, LEICESTER, Leicestershire, LE1 3RU<br>Operator Location: As Site Address<br>Authority: Environment Agency - Midlands Region, Lower Trent Area<br>Site Category: Transfer<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source: No known restriction on source of waste<br>Restrictions:<br>Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 1st March 1993<br>Preceded By: Not Given<br>Licence:<br>Superseded By: Not Given<br>Licence:<br>Positional Accuracy: Approximate location provided by supplier<br>Boundary Quality: Not Supplied<br>Authorised Waste: Crash Damaged/Written Off Cars<br>Max.Storage In Licence<br>Prohibited Waste: Special Wastes N.O.S. | A7SE (SW)                              | 867                          | 2       | 446800<br>305800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 81     | <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Name: Flogas Uk Limited<br>Location: Leicester (Merrylees), Stoke Industrial Park, Merrylees Road, Leicester, Leicestershire, LE9 9FE<br>Reference: Not Supplied<br>Type: Lower Tier<br><b>Status: Active</b><br>Positional Accuracy: Manually positioned to the address or location                                                                                                                                                                                                                                                                   | A12SE (SW)                             | 579                          | 7       | 446689 306328 |
| 82     | <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Name: Flogas Britain Limited<br>Location: Leicester (Merrylees), Stoke Industrial Park, Merrylees Road - The Sidings, Leicester, Leicestershire, 9FE<br>Reference: Not Supplied<br>Type: Upper Tier<br><b>Status: Active</b><br>Positional Accuracy: Manually positioned to the address or location                                                                                                                                                                                                                                                    | A12SE (W)                              | 640                          | 7       | 446588 306454 |
| 83     | <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Name: Flogas (UK) Limited<br>Location: Merrylees Colliery, Heath Road, LEICESTER, Leicestershire, LE9 9FE<br>Reference: Not Supplied<br>Type: Upper Tier<br><b>Status: Record Ceased To Be Supplied Under COMAH Regulations</b><br>Positional Accuracy: Automatically positioned in the proximity of the address                                                                                                                                                                                                                                       | A7SE (SW)                              | 803                          | 7       | 446898 305823 |
| 84     | <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Name: Flogas Limited<br>Location: Merrylees Road, Merrylees, LEICESTER, Leicestershire, LE9 9FE<br><b>Status: Not Active</b><br>Positional Accuracy: Automatically positioned in the proximity of the address                                                                                                                                                                                                                                                                                                                      | A7SE (SW)                              | 801                          | 7       | 446903 305823 |
| 85     | <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Name: Flogas Limited<br>Location: At Butterley Brick, Desford Brickworks, Heath Road, COALVILLE, Leicestershire, LE67 1DL<br><b>Status: Not Active</b><br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                                                                                                             | A12NW (W)                              | 969                          | 7       | 446254 306643 |
| 86     | <b>Planning Hazardous Substance Consents</b><br>Name: Flogas Uk Ltd<br>Location: Stokes Industrial Park, Merrylees Road, Desford, Leicester, Leicestershire, Le9 9fe<br>Authority: East Lindsey District Council, Planning Department<br>Application Ref: N/005/1106/02<br>Hazardous: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not)<br>Substance: liquefied or not<br>Maximum Quantity: 100<br>Application date: 22nd July 2002<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Manually positioned to the road within the address or location | A7NE (SW)                              | 595                          | 8       | 446749 306195 |
| 87     | <b>Planning Hazardous Substance Consents</b><br>Name: Hanson<br>Location: Desford Brickworks, Heath Road, Bagworth, Bagworth, Leicestershire, Le67 1dl<br>Authority: Leicestershire County Council<br>Application Ref: Hsc/92/8001/4<br>Hazardous: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not)<br>Substance: liquefied or not<br>Maximum Quantity: 207<br>Application date: 15th July 1992<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Manually positioned to the address or location                                                    | A12NW (W)                              | 978                          | 6       | 446245 306645 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS 1:625,000 Solid Geology</b><br>Description: Triassic Rocks (Undifferentiated)                                                                                                                                                                                                                                                         | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 20 - 40 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: <15 mg/kg     | A13SW (SW)                             | 58                           | 1       | 447204 306502 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13NW (W)                              | 220                          | 1       | 447000 306568 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 40 - 60 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: <15 mg/kg     | A13SW (SW)                             | 251                          | 1       | 447000 306437 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 40 - 60 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A13SW (SW)                             | 325                          | 1       | 446953 306372 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 40 - 60 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A18SE (N)                              | 417                          | 1       | 447259 307000 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 40 - 60 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration: | A18SW (NW)                             | 466                          | 1       | 447011 307000 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 40 - 60 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel <15 mg/kg<br>Concentration:     | A7NE (SW)                              | 504                          | 1       | 446865 306201 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 40 - 60 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel <15 mg/kg<br>Concentration:     | A12SE (W)                              | 515                          | 1       | 446726 306413 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 40 - 60 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration: | A19SW (NE)                             | 527                          | 1       | 447587 307000 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 20 - 40 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel <15 mg/kg<br>Concentration:     | A8NW (S)                               | 616                          | 1       | 447093 305956 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 40 - 60 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration: | A8NW (SW)                              | 663                          | 1       | 446912 305972 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:                                                                                                                                                                            | A7NE (SW)                              | 691                          | 1       | 446770 306035 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 40 - 60 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel <15 mg/kg<br>Concentration:                                                                                                                                                                                | A8NW (S)                               | 692                          | 1       | 447000 305903 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 40 - 60 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel <15 mg/kg<br>Concentration:                                                                                                                                                                                | A7NE (SW)                              | 815                          | 1       | 446599 306031 |
| 88     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Merrylees Drift Mine<br>Location: Merrylees, Bagworth, Coalville, Leicestershire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 17936<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Individual'S Name Withheld<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m   | A7NE (SW)                              | 771                          | 1       | 446800 305912 |
| 88     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Merrylees Drift Mine<br>Location: Merry Lees, Bagworth, Coalville, Leicestershire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 227293<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Individual'S Name Withheld<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A7SE (SW)                              | 792                          | 1       | 446809 305882 |
| 89     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Merry Lees Sand Pit<br>Location: Merry Lees, Thornton, Coalville, Leicestershire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 136350<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cromerian - Ipswichian<br>Geology: Till, Mid Pleistocene<br>Commodity: Sand<br>Positional Accuracy: Located by supplier to within 10m                             | A7NW (SW)                              | 918                          | 1       | 446567 305914 |
|        | <b>BGS Measured Urban Soil Chemistry</b><br>No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                              |         |               |

| Map ID | Details                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS Urban Soil Chemistry Averages</b><br>No data available                                                                                                                                                                                                             |                                        |                              |         |               |
|        | <b>Coal Mining Affected Areas</b><br>Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.  | A13NW (NW)                             | 0                            | 9       | 447247 306568 |
|        | <b>Non Coal Mining Areas of Great Britain</b><br>No Hazard                                                                                                                                                                                                                |                                        |                              |         |               |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                     | A13NW (W)                              | 12                           | 1       | 447207 306568 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                   | A13NW (W)                              | 12                           | 1       | 447207 306568 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                       | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                            | A13SE (E)                              | 178                          | 1       | 447439 306492 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                         | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                   | A13NW (W)                              | 12                           | 1       | 447207 306568 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13SW (SW)                             | 48                           | 1       | 447194 306518 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                      | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                     | A13SE (E)                              | 226                          | 1       | 447489 306493 |
|        | <b>Radon Potential - Radon Affected Areas</b><br>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW)                             | 0                            | 1       | 447247 306568 |
|        | <b>Radon Potential - Radon Protection Measures</b><br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service                     | A13NW (NW)                             | 0                            | 1       | 447247 306568 |

| Map ID | Details                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 90     | <b>Contemporary Trade Directory Entries</b><br>Name: Flogas Uk Ltd<br>Location: Stokes Industrial Park, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Gas Suppliers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                         | A7NE (SW)                              | 567                          | -       | 446762 306224 |
| 90     | <b>Contemporary Trade Directory Entries</b><br>Name: Flogas (Uk) Ltd<br>Location: Stokes Industrial Park, Merrylees Road, Desford, Leicester, Leicestershire, LE9 9FE<br>Classification: Gas Companies<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address       | A7NE (SW)                              | 567                          | -       | 446762 306224 |
| 90     | <b>Contemporary Trade Directory Entries</b><br>Name: Alert It Care Alarms<br>Location: Atherstone House, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Medical Instruments - Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address  | A7NE (SW)                              | 568                          | -       | 446765 306219 |
| 91     | <b>Contemporary Trade Directory Entries</b><br>Name: Eurocare Plant Ltd<br>Location: Unit 8, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Recycling Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                               | A12SE (W)                              | 581                          | -       | 446681 306340 |
| 92     | <b>Contemporary Trade Directory Entries</b><br>Name: Tyresure<br>Location: 25, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Garage Equipment<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                        | A7NE (SW)                              | 614                          | -       | 446775 306136 |
| 93     | <b>Contemporary Trade Directory Entries</b><br>Name: B R Cartronics Ltd<br>Location: Unit 6b, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Mot Testing Centres<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                             | A12SE (SW)                             | 615                          | -       | 446690 306247 |
| 94     | <b>Contemporary Trade Directory Entries</b><br>Name: Comer Industries<br>Location: Unit 2-3, Stokes Industrial Park, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Agricultural Merchants<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address     | A7NE (SW)                              | 624                          | -       | 446728 306175 |
| 94     | <b>Contemporary Trade Directory Entries</b><br>Name: Solstar<br>Location: 27, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Plastics - Injection Moulding<br><b>Status:</b> Active<br>Positional Accuracy: Manually positioned within the geographical locality | A7NE (SW)                              | 627                          | -       | 446749 306145 |
| 94     | <b>Contemporary Trade Directory Entries</b><br>Name: S E F Ltd<br>Location: 24, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Plant & Machinery Repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address              | A7NE (SW)                              | 627                          | -       | 446746 306147 |
| 94     | <b>Contemporary Trade Directory Entries</b><br>Name: Merriman Plant Ltd<br>Location: 24, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Plant & Machinery Repairs<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address       | A7NE (SW)                              | 627                          | -       | 446746 306147 |
| 95     | <b>Contemporary Trade Directory Entries</b><br>Name: The Spray Shop<br>Location: 23, MERRYLEES INDUSTRIAL ESTATE, LEESIDE, DESFORD, LE9 9FS<br>Classification: Coating Specialists<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                             | A7NE (SW)                              | 645                          | -       | 446729 306140 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 95     | <b>Contemporary Trade Directory Entries</b><br>Name: Dansart Ltd<br>Location: 19, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Plastics - Vacuum Forming<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                            | A7NE (SW)                              | 681                          | -       | 446715 306102 |
| 95     | <b>Contemporary Trade Directory Entries</b><br>Name: Packaging Machinery Direct Ltd<br>Location: Unit 21 Merrylees Ind Est, Lee Side, Desford, Leicester, Leicestershire, LE9 9FS<br>Classification: Packaging & Wrapping Equipment & Supplies<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location        | A7NE (SW)                              | 683                          | -       | 446695 306122 |
| 95     | <b>Contemporary Trade Directory Entries</b><br>Name: S Tysoe Installations Ltd<br>Location: Unit 18 Merrylees Industrial Estate, Leeseide, Desford, Leicester, Leicestershire, LE9 9FS<br>Classification: Refrigeration Equipment Manufacturers & Distributors<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW)                              | 692                          | -       | 446722 306078 |
| 96     | <b>Contemporary Trade Directory Entries</b><br>Name: Ambient Foods Ltd<br>Location: Unit 28, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Food Products - Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                             | A7NE (SW)                              | 680                          | -       | 446856 305985 |
| 97     | <b>Contemporary Trade Directory Entries</b><br>Name: Civil Solutions UK Ltd<br>Location: Heather Close Farm, Markfield Lane, Botcheston, Leicester, LE9 9FH<br>Classification: Pumps - Sales, Servicing & Repairs<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                              | A14SE (E)                              | 710                          | -       | 447947 306336 |
| 97     | <b>Contemporary Trade Directory Entries</b><br>Name: Foresthill Auto Centre<br>Location: Heather Close Farm, Markfield Lane, Botcheston, Leicester, LE9 9FH<br>Classification: Garage Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                                 | A14SE (E)                              | 711                          | -       | 447948 306336 |
| 97     | <b>Contemporary Trade Directory Entries</b><br>Name: Wildwood<br>Location: Heather Close Farm, Markfield Lane, Botcheston, Leicester, LE9 9FH<br>Classification: Lawnmowers & Garden Machinery - Sales & Service<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                                      | A14SE (E)                              | 711                          | -       | 447948 306336 |
| 98     | <b>Contemporary Trade Directory Entries</b><br>Name: Lawman Commercial Services Ltd<br>Location: 31, Merrylees Industrial Estate, Leeseide, Desford, LEICESTER, LE9 9FS<br>Classification: Commercial Vehicle Dealers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                        | A7NE (SW)                              | 715                          | -       | 446785 305991 |
| 98     | <b>Contemporary Trade Directory Entries</b><br>Name: Printing Press (Leicester)<br>Location: 8a-8b, Unit, Merrylees Industrial Estate, Lee Side, Desford, Leicester, LE9 9FS<br>Classification: Screen Process Printers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned in the proximity of the address                     | A7NE (SW)                              | 752                          | -       | 446769 305957 |
| 98     | <b>Contemporary Trade Directory Entries</b><br>Name: Universal Tooling<br>Location: Unit C, Merrylees Ind Est, Lee Side, Desford, Leicester, Leicestershire, LE9 9FS<br>Classification: Tool Design, Manufacturers & Makers<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                           | A7NE (SW)                              | 752                          | -       | 446768 305958 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: Quartz T S L<br>Location: Stokes Industrial Park, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Printed Circuit Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                                 | A7NE (SW)                              | 728                          | -       | 446902 305904 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: Nicholas Marks<br>Location: Unit 6, Stokes Industrial Park, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Joinery Manufacturers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                            | A7NE (SW)                              | 728                          | -       | 446902 305904 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: M J Products Ltd<br>Location: Unit E, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Mechanical Handling Engineers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                   | A7NE (SW)                              | 734                          | -       | 446858 305920 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: M J Products Ltd<br>Location: Unit E, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Mechanical Handling Engineers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                   | A7NE (SW)                              | 734                          | -       | 446858 305920 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: K P Mechanical Handling<br>Location: Unit E, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Fork Lift Trucks<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                         | A7NE (SW)                              | 738                          | -       | 446860 305915 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: J K Filters<br>Location: Unit 4, Stokes Industrial Park, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Industrial Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                 | A7NE (SW)                              | 739                          | -       | 446880 305903 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: A R Motors Ltd<br>Location: Unit 6b The Sidings, Merrylees Road, Desford, Leicester, Leicestershire, LE9 9FE<br>Classification: Car Dealers - Used<br><b>Status: Active</b><br>Positional Accuracy: Manually positioned to the road within the address or location                     | A7NE (SW)                              | 756                          | -       | 446835 305908 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: Triumph Trade Frames Ltd<br>Location: Unit A, Merrylees Ind Est, Leeseide, Desford, Leicester, Leicestershire, LE9 9FS<br>Classification: Door Manufacturers - Industrial<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned within the geographical locality      | A7NE (SW)                              | 756                          | -       | 446856 305896 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: D B I Plastics Ltd<br>Location: Unit B, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Plastics - Injection Moulding<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                 | A7NE (SW)                              | 758                          | -       | 446837 305905 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: N M Contracts<br>Location: Unit 1, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Shop Fittings Manufacturers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                               | A7SE (SW)                              | 770                          | -       | 446868 305874 |
| 100    | <b>Contemporary Trade Directory Entries</b><br>Name: Thornton Garage<br>Location: 28 Merrylees Road, Thornton, Coalville, Leicestershire, LE67 1AN<br>Classification: Garage Services<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                                              | A18NW (NW)                             | 789                          | -       | 446924 307315 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Pro Packaging<br>Location: Merrylees Ind Est, Lee Side, Desford, Leicester, Leicestershire, LE9 9FS<br>Classification: Packaging Materials Manufacturers & Suppliers<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the road within the address or location | A7SE (SW)                              | 800                          | -       | 446807 305874 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Midlands Metal Products<br>Location: Unit 11, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Metal Products - Fabricated<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address            | A7NE (SW)                              | 802                          | -       | 446773 305893 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Typecast<br>Location: UNIT 9, MERRYLEES INDUSTRIAL ESTATE, LEESIDE, DESFORD, LEICESTER, LE9 9FS<br>Classification: Aluminium Fabricators<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                     | A7SE (SW)                              | 819                          | -       | 446789 305862 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Williams Engineering<br>Location: Unit 9, Merrylees Industrial Estate, Lee Side, Desford, Leicester, LE9 9FS<br>Classification: Sheet Metal Work<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                           | A7SE (SW)                              | 822                          | -       | 446789 305859 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Hemic Engineering<br>Location: 9, Merrylees Industrial Estate, Lee Side, Desford, Leicester, LE9 9FS<br>Classification: Engineers - General<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                | A7SE (SW)                              | 822                          | -       | 446789 305859 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Bluepet Ltd<br>Location: 9, Merrylees Industrial Estate, Lee Side, Desford, Leicester, Leicestershire, LE9 9FS<br>Classification: Pet Foods & Animal Feeds<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                 | A7SE (SW)                              | 822                          | -       | 446789 305859 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: L A Engineering<br>Location: Unit 10, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Precision Engineers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                              | A7SE (SW)                              | 827                          | -       | 446774 305863 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: S C L Sheet Metal<br>Location: 8, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Sheet Metal Work<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                   | A7SE (SW)                              | 830                          | -       | 446789 305850 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: White Products Ltd<br>Location: 8a-8b, Merrylees Industrial Estate, Lee Side, Desford, Leicester, Leicestershire, LE9 9FS<br>Classification: Wire Products - Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW)                              | 830                          | -       | 446789 305850 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Ravenace Metals<br>Location: 10 Merrylees Ind Est, Lee Side, Desford, Leicester, Leicestershire, LE9 9FS<br>Classification: Non-Ferrous Metals<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                      | A7SE (SW)                              | 830                          | -       | 446775 305858 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Arospeed<br>Location: 7, Merrylees Industrial Estate, Lee Side, Desford, Leicester, LE9 9FS<br>Classification: Alloys<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                      | A7SE (SW)                              | 836                          | -       | 446777 305850 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Maple Tools & Fixings<br>Location: 7, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Builders' Merchants<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                            | A7SE (SW)                              | 836                          | -       | 446777 305850 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Shoretan Leisure<br>Location: 7, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Leisure & Sportswear Manufacturers & Wholesalers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW)                              | 836                          | -       | 446777 305850 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: The Swimsuit Dryer<br>Location: Unit 6, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Hygiene & Sanitary Appliance Manufacturers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address  | A7SE (SW)                              | 841                          | -       | 446768 305850 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Pro Packaging<br>Location: Unit 6, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Packaging Materials Manufacturers & Suppliers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address  | A7SE (SW)                              | 841                          | -       | 446768 305850 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Midland Metal Products<br>Location: Unit 1, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Metal Products - Fabricated<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address           | A7SE (SW)                              | 853                          | -       | 446792 305821 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: D C N Auto Body<br>Location: Unit 2, Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Classification: Car Body Repairs<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                               | A7SE (SW)                              | 856                          | -       | 446786 305821 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Pallet Freight Logistics Ltd<br>Location: 2, Merrylees Industrial Estate, Lee Side, Desford, Leicester, LE9 9FS<br>Classification: Freight Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                     | A7SE (SW)                              | 859                          | -       | 446786 305818 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: G L Marshall & Sons<br>Location: 4, Merrylees Industrial Estate, Lee Side, Desford, Leicester, LE9 9FS<br>Classification: Clothing & Fabrics - Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address            | A7SE (SW)                              | 866                          | -       | 446774 305817 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: B J B Engineering<br>Location: 5 heath Rd, Desford, Leicester, Leicestershire, LE9 9FE<br>Classification: Engineers - General<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                                    | A7SE (SW)                              | 870                          | -       | 446767 305816 |
| 102    | <b>Contemporary Trade Directory Entries</b><br>Name: M Automagic<br>Location: Stokes Ind Pk, Merrylees Rd, Desford, Leicester, Leicestershire, LE9 9FE<br>Classification: Garage Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location             | A7SE (SW)                              | 851                          | -       | 446848 305794 |
| 103    | <b>Contemporary Trade Directory Entries</b><br>Name: Flogas Direct<br>Location: Heath Farm, Merrylees Road, Desford, Leicester, LE9 9FE<br>Classification: Gas Suppliers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                     | A12SW (W)                              | 862                          | -       | 446377 306378 |
| 104    | <b>Contemporary Trade Directory Entries</b><br>Name: Forterra Building Products<br>Location: Heath Road, Bagworth, Coalville, LE67 1DL<br>Classification: Brick Manufacturers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                  | A12NW (W)                              | 963                          | -       | 446259 306632 |
| 104    | <b>Contemporary Trade Directory Entries</b><br>Name: Forterra<br>Location: Heath Road, Bagworth, Coalville, Leicestershire, LE67 1DL<br>Classification: Brick Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned within the geographical locality                                     | A12NW (W)                              | 969                          | -       | 446254 306643 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 105    | <b>Contemporary Trade Directory Entries</b><br>Name: Budget Boiler Services<br>Location: 6, Highfields, Thornton, Coalville, Leicestershire, LE67 1AD<br>Classification: Boilers - Servicing, Replacements & Repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                  | A17NE (NW)                             | 987                          | -       | 446775 307465 |
| 106    | <b>Fuel Station Entries</b><br>Name: Thornton Service Station<br>Location: 28, Merrylees Road, Thornton, Leicestershire, LE67 1AN<br>Brand: Unbranded<br>Premises Type: Not Applicable<br><b>Status:</b> Obsolete<br>Positional Accuracy: Manually positioned to the address or location                                         | A18NW (NW)                             | 799                          | -       | 446923 307326 |
| 107    | <b>Points of Interest - Commercial Services</b><br>Name: Eurocare Plant Ltd<br>Location: Unit 8, Merrylees Road, Desford, Leicester, LE9 9FE<br>Category: Recycling Services<br>Class Code: Recycling, Reclamation and Disposal<br>Positional Accuracy: Positioned to address or location                                        | A12SE (W)                              | 581                          | 10      | 446681 306340 |
| 108    | <b>Points of Interest - Commercial Services</b><br>Name: B R Cartronics<br>Location: 6b Merrylees Road, Desford, LE9 9FE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                                                        | A12SE (SW)                             | 616                          | 10      | 446689 306247 |
| 109    | <b>Points of Interest - Commercial Services</b><br>Name: Central Metal<br>Location: 12-14 Merrylees Industrial Estate, Lee Side, Desford, Leicester, LE9 9FS<br>Category: Construction Services<br>Class Code: Metalworkers Including Blacksmiths<br>Positional Accuracy: Positioned to address or location                      | A7NE (SW)                              | 752                          | 10      | 446769 305958 |
| 110    | <b>Points of Interest - Commercial Services</b><br>Name: Thornton Service Station<br>Location: Thornton Service Station House, Merrylees Road, Thornton, Coalville, LE67 1AN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location    | A18NW (NW)                             | 785                          | 10      | 446926 307311 |
| 110    | <b>Points of Interest - Commercial Services</b><br>Name: Thornton Garage<br>Location: 28 Merrylees Road, Thornton, LE67 1AN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                                                     | A18NW (NW)                             | 789                          | 10      | 446924 307315 |
| 111    | <b>Points of Interest - Commercial Services</b><br>Name: Typecast Engineering Ltd<br>Location: 9 Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location             | A7SE (SW)                              | 822                          | 10      | 446789 305859 |
| 111    | <b>Points of Interest - Commercial Services</b><br>Name: Typecast Engineering Ltd<br>Location: Unit 9, Merrylees Ind Est, Leeseide, Desford, Leicester, Leicestershire, LE9 9FS<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW)                              | 823                          | 10      | 446788 305858 |
| 111    | <b>Points of Interest - Commercial Services</b><br>Name: Shore Tan<br>Location: Unit 7 Merrylees Industrial Estate, Lee Side, Desford, Leicester, Leicestershire, LE9 9FS<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location         | A7SE (SW)                              | 836                          | 10      | 446777 305850 |
| 111    | <b>Points of Interest - Commercial Services</b><br>Name: D C N Auto Body<br>Location: 2 Merrylees Industrial Estate, Leeseide, Desford, LE9 9FS<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                                 | A7SE (SW)                              | 856                          | 10      | 446786 305821 |

| Map ID | Details                                                                                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 111    | <b>Points of Interest - Commercial Services</b><br>Name: S C L Sheet Metal<br>Location: 3 Merrylees Industrial Estate, Leeseide, Desford, Leicester, LE9 9FS<br>Category: Construction Services<br>Class Code: Metalworkers Including Blacksmiths<br>Positional Accuracy: Positioned to address or location | A7SE (SW)                              | 863                          | 10      | 446779 305817 |
| 112    | <b>Points of Interest - Commercial Services</b><br>Name: M A Jordan (Transportation)<br>Location: Lodge Farm, Merrylees Road, Desford, Leicester, LE9 9FE<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location    | A8SE (S)                               | 941                          | 10      | 447467 305630 |
| 113    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Sheep Dip<br>Location: LE67<br>Category: Farming<br>Class Code: Sheep Dips and Washes<br>Positional Accuracy: Positioned to an adjacent address or location                                                                               | A13NE (NE)                             | 262                          | 10      | 447363 306822 |
| 114    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Blue Moon Farms Ltd<br>Location: Henwood Farm, Merrylees Road, Thornton, Coalville, LE67 1AN<br>Category: Farming<br>Class Code: Poultry Farming, Equipment and Supplies<br>Positional Accuracy: Positioned to address or location        | A8NW (S)                               | 533                          | 10      | 447038 306058 |
| 114    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Poultry Houses<br>Location: LE67<br>Category: Farming<br>Class Code: Poultry Farming, Equipment and Supplies<br>Positional Accuracy: Positioned to address or location                                                                    | A8NW (S)                               | 613                          | 10      | 447041 305973 |
| 114    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Poultry Houses<br>Location: LE67<br>Category: Farming<br>Class Code: Poultry Farming, Equipment and Supplies<br>Positional Accuracy: Positioned to an adjacent address or location                                                        | A8NW (S)                               | 676                          | 10      | 447040 305908 |
| 115    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: LE9<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                                               | A12NE (W)                              | 597                          | 10      | 446623 306578 |
| 116    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                                      | A18SE (N)                              | 625                          | 10      | 447415 307185 |
| 116    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: LE67<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                                              | A18SE (N)                              | 626                          | 10      | 447404 307188 |
| 117    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Solar Panels<br>Location: LE9<br>Category: Industrial Features<br>Class Code: Energy Production<br>Positional Accuracy: Positioned to an adjacent address or location                                                                     | A14SW (E)                              | 627                          | 10      | 447885 306429 |
| 117    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Factory<br>Location: LE9<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                                             | A14SW (E)                              | 649                          | 10      | 447898 306386 |
| 117    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                                      | A14SE (E)                              | 700                          | 10      | 447948 306376 |

| Map ID | Details                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 117    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: LE9<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                    | A14SE (E)                              | 701                          | 10      | 447949<br>306376 |
| 118    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tanks<br>Location: LE9<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                   | A12SW (W)                              | 711                          | 10      | 446509<br>306567 |
| 118    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: LE9<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                | A12SW (W)                              | 728                          | 10      | 446492<br>306558 |
| 118    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: LE9<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                | A12SW (W)                              | 736                          | 10      | 446484<br>306556 |
| 119    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Industrial Estate<br>Location: LE9<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location | A7NE (SW)                              | 797                          | 10      | 446736<br>305926 |
| 119    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Industrial Estate<br>Location: LE9<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location | A7NE (SW)                              | 818                          | 10      | 446707<br>305922 |
| 120    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: LE67<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                   | A12SW (W)                              | 876                          | 10      | 446344<br>306550 |
| 121    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: LE67<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                   | A12NW (W)                              | 953                          | 10      | 446270<br>306636 |
| 122    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Workings<br>Location: LE9<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location                | A7NW (SW)                              | 996                          | 10      | 446364<br>306049 |
| 123    | <b>Points of Interest - Public Infrastructure</b><br>Name: Slurry Bed<br>Location: LE67<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location   | A13NW (W)                              | 177                          | 10      | 447043<br>306574 |
| 124    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sewage Works<br>Location: LE9<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location  | A12NE (W)                              | 596                          | 10      | 446624<br>306580 |
| 125    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: LE67<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                | A12NW (W)                              | 699                          | 10      | 446529<br>306666 |

| Map ID | Details                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 125    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: LE67<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                              | A12NW (W)                              | 724                          | 10      | 446501 306647 |
| 126    | <b>Points of Interest - Public Infrastructure</b><br>Name: Dam<br>Location: LE67<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                               | A18NE (N)                              | 702                          | 10      | 447315 307281 |
| 126    | <b>Points of Interest - Public Infrastructure</b><br>Name: Dam<br>Location: LE67<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                               | A18NE (N)                              | 704                          | 10      | 447317 307283 |
| 127    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: LE67<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                              | A12NW (W)                              | 748                          | 10      | 446508 306804 |
| 127    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: LE67<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                              | A12NW (W)                              | 755                          | 10      | 446499 306801 |
| 128    | <b>Points of Interest - Public Infrastructure</b><br>Name: Thornton Garage<br>Location: 28 Merrylees Road, Thornton, Coalville, LE67 1AN<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location          | A18NW (NW)                             | 789                          | 10      | 446924 307315 |
| 128    | <b>Points of Interest - Public Infrastructure</b><br>Name: Thornton Service Station<br>Location: 28 Merrylees Road, Thornton, Coalville, LE67 1AN<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A18NW (NW)                             | 799                          | 10      | 446923 307326 |

| Map ID | Details                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 129    | <b>Nitrate Vulnerable Zones</b><br>Name: Soar R Nvz<br>Description: Surface Water<br>Source: Environment Agency, Head Office | A13NW (NW)                             | 0                            | 4       | 447247 306568 |

| Agency & Hydrological                                                                                                                                                                                                                                                                                                                                                                                                                           | Version                                                                                                 | Update Cycle                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contaminated Land Register Entries and Notices</b><br>Environment Agency - Head Office<br>North West Leicestershire District Council - Environmental Protection Department<br>Blaby District Council - Environmental Health Department<br>Charnwood Borough Council - Environmental Health Department<br>Hinckley And Bosworth Borough Council - Environmental Health Department<br>Leicester City Council - Environmental Health Department | November 2023<br>September 2014<br>September 2017<br>September 2017<br>September 2017<br>September 2017 | Annually<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update |
| <b>Discharge Consents</b><br>Environment Agency - Midlands Region                                                                                                                                                                                                                                                                                                                                                                               | April 2024                                                                                              | Quarterly                                                                                                                             |
| <b>Enforcement and Prohibition Notices</b><br>Environment Agency - Midlands Region                                                                                                                                                                                                                                                                                                                                                              | March 2013                                                                                              |                                                                                                                                       |
| <b>Integrated Pollution Controls</b><br>Environment Agency - Midlands Region                                                                                                                                                                                                                                                                                                                                                                    | January 2009                                                                                            |                                                                                                                                       |
| <b>Integrated Pollution Prevention And Control</b><br>Environment Agency - Midlands Region                                                                                                                                                                                                                                                                                                                                                      | October 2023                                                                                            | Quarterly                                                                                                                             |
| <b>Local Authority Integrated Pollution Prevention And Control</b><br>Blaby District Council - Environmental Health Department<br>Hinckley And Bosworth Borough Council - Environmental Health Department<br>Charnwood Borough Council - Environmental Health Department<br>North West Leicestershire District Council - Environmental Health Department<br>Leicester City Council - Environmental Health Department                            | December 2015<br>December 2020<br>March 2015<br>November 2023<br>September 2014                         | Variable<br>Variable<br>Variable<br>Variable<br>Variable                                                                              |
| <b>Local Authority Pollution Prevention and Controls</b><br>Blaby District Council - Environmental Health Department<br>Hinckley And Bosworth Borough Council - Environmental Health Department<br>Charnwood Borough Council - Environmental Health Department<br>North West Leicestershire District Council - Environmental Health Department<br>Leicester City Council - Environmental Health Department                                      | December 2015<br>December 2020<br>March 2015<br>November 2023<br>September 2014                         | Not Applicable<br>Annual Rolling Update<br>Not Applicable<br>Annual Rolling Update<br>Not Applicable                                  |
| <b>Local Authority Pollution Prevention and Control Enforcements</b><br>Blaby District Council - Environmental Health Department<br>Hinckley And Bosworth Borough Council - Environmental Health Department<br>Charnwood Borough Council - Environmental Health Department<br>North West Leicestershire District Council - Environmental Health Department<br>Leicester City Council - Environmental Health Department                          | December 2015<br>June 2014<br>March 2015<br>November 2023<br>September 2014                             | Variable<br>Variable<br>Variable<br>Variable<br>Variable                                                                              |
| <b>Nearest Surface Water Feature</b><br>Ordnance Survey                                                                                                                                                                                                                                                                                                                                                                                         | March 2024                                                                                              |                                                                                                                                       |
| <b>Pollution Incidents to Controlled Waters</b><br>Environment Agency - Midlands Region                                                                                                                                                                                                                                                                                                                                                         | December 1999                                                                                           |                                                                                                                                       |
| <b>Prosecutions Relating to Authorised Processes</b><br>Environment Agency - Midlands Region                                                                                                                                                                                                                                                                                                                                                    | July 2015                                                                                               |                                                                                                                                       |
| <b>Prosecutions Relating to Controlled Waters</b><br>Environment Agency - Midlands Region                                                                                                                                                                                                                                                                                                                                                       | March 2013                                                                                              |                                                                                                                                       |
| <b>Registered Radioactive Substances</b><br>Environment Agency - Midlands Region<br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                            | June 2016<br>May 2023                                                                                   | As notified<br>Quarterly                                                                                                              |
| <b>River Quality</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                                                        | November 2001                                                                                           | Not Applicable                                                                                                                        |
| <b>River Quality Biology Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                                | April 2012                                                                                              |                                                                                                                                       |
| <b>River Quality Chemistry Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                              | April 2012                                                                                              |                                                                                                                                       |
| <b>Substantiated Pollution Incident Register</b><br>Environment Agency - Midlands Region - East Area<br>Environment Agency - Midlands Region - Lower Trent Area                                                                                                                                                                                                                                                                                 | April 2024<br>April 2024                                                                                | Quarterly<br>Quarterly                                                                                                                |

| Agency & Hydrological                                                                                                 | Version        | Update Cycle |
|-----------------------------------------------------------------------------------------------------------------------|----------------|--------------|
| <b>Water Abstractions</b><br>Environment Agency - Midlands Region                                                     | April 2024     | Quarterly    |
| <b>Water Industry Act Referrals</b><br>Environment Agency - Midlands Region                                           | October 2017   |              |
| <b>Groundwater Vulnerability Map</b><br>Environment Agency - Head Office                                              | June 2018      | As notified  |
| <b>Bedrock Aquifer Designations</b><br>Environment Agency - Head Office                                               | January 2018   | As notified  |
| <b>Superficial Aquifer Designations</b><br>Environment Agency - Head Office                                           | January 2018   | As notified  |
| <b>Source Protection Zones</b><br>Environment Agency - Head Office                                                    | September 2022 | Bi-Annually  |
| <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                       | December 2023  | Quarterly    |
| <b>Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                               | December 2023  | Quarterly    |
| <b>Areas Benefiting from Flood Defences</b><br>Environment Agency - Head Office                                       | February 2023  | Quarterly    |
| <b>Flood Water Storage Areas</b><br>Environment Agency - Head Office                                                  | January 2024   | Quarterly    |
| <b>Flood Defences</b><br>Environment Agency - Head Office                                                             | August 2022    | Quarterly    |
| <b>OS Water Network Lines</b><br>Ordnance Survey                                                                      | April 2024     | Quarterly    |
| <b>Surface Water 1 in 30 year Flood Extent</b><br>Environment Agency - Head Office                                    | May 2018       | Annually     |
| <b>Surface Water 1 in 100 year Flood Extent</b><br>Environment Agency - Head Office                                   | May 2018       | Annually     |
| <b>Surface Water 1 in 1000 year Flood Extent</b><br>Environment Agency - Head Office                                  | May 2018       | Annually     |
| <b>Surface Water Suitability</b><br>Environment Agency - Head Office                                                  | February 2016  | Annually     |
| <b>BGS Groundwater Flooding Susceptibility</b><br>British Geological Survey - National Geoscience Information Service | May 2013       | As notified  |

| Waste                                                                                                                                                                                                                                                                                                                                                                                                                         | Version                                                                                            | Update Cycle                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>BGS Recorded Landfill Sites</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                                                                                                                                     | November 2002                                                                                      | As notified                                                                                              |
| <b>Historical Landfill Sites</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                          | May 2024                                                                                           | Quarterly                                                                                                |
| <b>Integrated Pollution Control Registered Waste Sites</b><br>Environment Agency - Midlands Region                                                                                                                                                                                                                                                                                                                            | January 2009                                                                                       | Not Applicable                                                                                           |
| <b>Licensed Waste Management Facilities (Landfill Boundaries)</b><br>Environment Agency - Midlands Region - East Area<br>Environment Agency - Midlands Region - Lower Trent Area                                                                                                                                                                                                                                              | May 2024<br>May 2024                                                                               | Quarterly<br>Quarterly                                                                                   |
| <b>Licensed Waste Management Facilities (Locations)</b><br>Environment Agency - Midlands Region - East Area<br>Environment Agency - Midlands Region - Lower Trent Area                                                                                                                                                                                                                                                        | January 2023<br>January 2023                                                                       | Quarterly<br>Quarterly                                                                                   |
| <b>Local Authority Landfill Coverage</b><br>Blaby District Council - Environmental Health Department<br>Charnwood Borough Council - Environmental Health Department<br>Hinckley And Bosworth Borough Council - Environmental Health Department<br>Leicester City Council - Environment and Development<br>Leicestershire County Council<br>North West Leicestershire District Council - Environmental Health Department       | February 2003<br>February 2003<br>February 2003<br>February 2003<br>February 2003<br>February 2003 | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Local Authority Recorded Landfill Sites</b><br>Blaby District Council - Environmental Health Department<br>Charnwood Borough Council - Environmental Health Department<br>Hinckley And Bosworth Borough Council - Environmental Health Department<br>Leicester City Council - Environment and Development<br>Leicestershire County Council<br>North West Leicestershire District Council - Environmental Health Department | October 2018<br>October 2018<br>October 2018<br>October 2018<br>October 2018<br>October 2018       |                                                                                                          |
| <b>Potentially Infilled Land (Non-Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                                                                                                                                            | December 1999                                                                                      |                                                                                                          |
| <b>Potentially Infilled Land (Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                                                                                                                                                | December 1999                                                                                      |                                                                                                          |
| <b>Registered Landfill Sites</b><br>Environment Agency - Midlands Region - East Area<br>Environment Agency - Midlands Region - Lower Trent Area                                                                                                                                                                                                                                                                               | March 2006<br>March 2006                                                                           | Not Applicable<br>Not Applicable                                                                         |
| <b>Registered Waste Transfer Sites</b><br>Environment Agency - Midlands Region - East Area<br>Environment Agency - Midlands Region - Lower Trent Area                                                                                                                                                                                                                                                                         | April 2018<br>April 2018                                                                           |                                                                                                          |
| <b>Registered Waste Treatment or Disposal Sites</b><br>Environment Agency - Midlands Region - East Area<br>Environment Agency - Midlands Region - Lower Trent Area                                                                                                                                                                                                                                                            | June 2015<br>June 2015                                                                             |                                                                                                          |

| Hazardous Substances                                                                                                                                                                                                                                                                                                                                             | Version                                                                                                          | Update Cycle                                                                     |
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| <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                            | January 2024                                                                                                     | Bi-Annually                                                                      |
| <b>Explosive Sites</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                                                            | March 2017                                                                                                       |                                                                                  |
| <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Health and Safety Executive                                                                                                                                                                                                                                                        | August 2001                                                                                                      |                                                                                  |
| <b>Planning Hazardous Substance Enforcements</b><br>Hinckley And Bosworth Borough Council<br>Leicester City Council - Environment and Development<br>Leicestershire County Council<br>Charnwood Borough Council<br>Blaby District Council - Planning Department<br>North West Leicestershire District Council                                                    | February 2016<br>July 2023<br>July 2023<br>June 2023<br>March 2023<br>May 2023                                   | Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable             |
| <b>Planning Hazardous Substance Consents</b><br>East Lindsey District Council - Planning Department<br>Blaby District Council - Planning Department<br>Charnwood Borough Council<br>Hinckley And Bosworth Borough Council<br>Leicester City Council - Environment and Development<br>Leicestershire County Council<br>North West Leicestershire District Council | April 2016<br>February 2016<br>February 2016<br>February 2016<br>February 2016<br>February 2016<br>February 2016 | Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable |

| Geological                                                                                                                                         | Version                      | Update Cycle          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|
| <b>BGS 1:625,000 Solid Geology</b><br>British Geological Survey - National Geoscience Information Service                                          | January 2009                 | As notified           |
| <b>BGS Estimated Soil Chemistry</b><br>British Geological Survey - National Geoscience Information Service                                         | December 2015                | As notified           |
| <b>BGS Recorded Mineral Sites</b><br>British Geological Survey - National Geoscience Information Service                                           | January 2024                 | Bi-Annually           |
| <b>CBSCB Compensation District</b><br>Cheshire Brine Subsidence Compensation Board (CBSCB)<br>Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011<br>November 2020 | As notified           |
| <b>Coal Mining Affected Areas</b><br>The Coal Authority - Property Searches                                                                        | February 2023                | Annual Rolling Update |
| <b>Mining Instability</b><br>Ove Arup & Partners                                                                                                   | June 1998                    | Not Applicable        |
| <b>Non Coal Mining Areas of Great Britain</b><br>British Geological Survey - National Geoscience Information Service                               | May 2015                     | Not Applicable        |
| <b>Potential for Collapsible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | April 2020                   | As notified           |
| <b>Potential for Compressible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Ground Dissolution Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | January 2019                 | As notified           |
| <b>Potential for Landslide Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                     | January 2019                 | As notified           |
| <b>Potential for Running Sand Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service    | January 2019                 | As notified           |
| <b>Radon Potential - Radon Affected Areas</b><br>British Geological Survey - National Geoscience Information Service                               | October 2023                 | Annually              |
| <b>Radon Potential - Radon Protection Measures</b><br>British Geological Survey - National Geoscience Information Service                          | October 2023                 | Annually              |

| Industrial Land Use                                                  | Version       | Update Cycle |
|----------------------------------------------------------------------|---------------|--------------|
| <b>Contemporary Trade Directory Entries</b><br>Thomson Directories   | April 2024    | Quarterly    |
| <b>Fuel Station Entries</b><br>Catalist Ltd - Experian               | February 2024 | Quarterly    |
| <b>Gas Pipelines</b><br>National Grid                                | October 2021  | Bi-Annually  |
| <b>Points of Interest - Commercial Services</b><br>PointX            | March 2024    | Quarterly    |
| <b>Points of Interest - Education and Health</b><br>PointX           | March 2024    | Quarterly    |
| <b>Points of Interest - Manufacturing and Production</b><br>PointX   | March 2024    | Quarterly    |
| <b>Points of Interest - Public Infrastructure</b><br>PointX          | March 2024    | Quarterly    |
| <b>Points of Interest - Recreational and Environmental</b><br>PointX | March 2024    | Quarterly    |
| <b>Underground Electrical Cables</b><br>National Grid                | January 2024  | Bi-Annually  |

| Sensitive Land Use                                                                                                                                                                                                                                               | Version                                                                           | Update Cycle                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>Ancient Woodland</b><br>Natural England                                                                                                                                                                                                                       | April 2024                                                                        | Bi-Annually                                                   |
| <b>Areas of Adopted Green Belt</b><br>Blaby District Council - Planning Department<br>Charnwood Borough Council<br>Hinckley And Bosworth Borough Council<br>Leicester City Council - Environment and Development<br>North West Leicestershire District Council   | February 2024<br>February 2024<br>February 2024<br>February 2024<br>February 2024 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly |
| <b>Areas of Unadopted Green Belt</b><br>Blaby District Council - Planning Department<br>Charnwood Borough Council<br>Hinckley And Bosworth Borough Council<br>Leicester City Council - Environment and Development<br>North West Leicestershire District Council | February 2024<br>February 2024<br>February 2024<br>February 2024<br>February 2024 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly |
| <b>Areas of Outstanding Natural Beauty</b><br>Natural England                                                                                                                                                                                                    | May 2024                                                                          | Bi-Annually                                                   |
| <b>Environmentally Sensitive Areas</b><br>Natural England                                                                                                                                                                                                        | August 2023                                                                       |                                                               |
| <b>Forest Parks</b><br>Forestry Commission                                                                                                                                                                                                                       | May 2023                                                                          | Not Applicable                                                |
| <b>Local Nature Reserves</b><br>Natural England                                                                                                                                                                                                                  | February 2024                                                                     | Bi-Annually                                                   |
| <b>Marine Nature Reserves</b><br>Natural England                                                                                                                                                                                                                 | February 2024                                                                     | Bi-Annually                                                   |
| <b>National Nature Reserves</b><br>Natural England                                                                                                                                                                                                               | February 2024                                                                     | Bi-Annually                                                   |
| <b>National Parks</b><br>Natural England                                                                                                                                                                                                                         | February 2018                                                                     | Bi-Annually                                                   |
| <b>Nitrate Sensitive Areas</b><br>Natural England                                                                                                                                                                                                                | April 2023                                                                        | Not Applicable                                                |
| <b>Nitrate Vulnerable Zones</b><br>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)<br>Environment Agency - Head Office                                                                                                                | April 2016<br>April 2024                                                          | Bi-Annually                                                   |
| <b>Ramsar Sites</b><br>Natural England                                                                                                                                                                                                                           | February 2024                                                                     | Bi-Annually                                                   |
| <b>Sites of Special Scientific Interest</b><br>Natural England                                                                                                                                                                                                   | April 2024                                                                        | Bi-Annually                                                   |
| <b>Special Areas of Conservation</b><br>Natural England                                                                                                                                                                                                          | April 2024                                                                        | Bi-Annually                                                   |
| <b>Special Protection Areas</b><br>Natural England                                                                                                                                                                                                               | April 2024                                                                        | Bi-Annually                                                   |

A selection of organisations who provide data within this report

| Data Supplier                          | Data Supplier Logo                                                                                                                                                    |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ordnance Survey                        |                                                                                    |
| Environment Agency                     |                                                                                    |
| Scottish Environment Protection Agency |                                                                                    |
| The Coal Authority                     |                                                                                    |
| British Geological Survey              |  <b>British Geological Survey</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL          |
| Centre for Ecology and Hydrology       |  <b>Centre for Ecology &amp; Hydrology</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL |
| Natural Resources Wales                |                                                                                   |
| Scottish Natural Heritage              |                                                                                  |
| Natural England                        |                                                                                  |
| Public Health England                  |                                                                                  |
| Ove Arup                               |                                                                                  |
| Stantec UK Ltd                         |                                                                                  |

| Contact | Name and Address                                                                                                                                                    | Contact Details                                                                                                                                                                                                                      |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>British Geological Survey - Enquiry Service</b><br>British Geological Survey, Environmental Science Centre, Keyworth,<br>Nottingham, Nottinghamshire, NG12 5GG   | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a><br>Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>                                                   |
| 2       | <b>Environment Agency - National Customer Contact Centre (NCCC)</b><br>PO Box 544, Templeborough, Rotherham, S60 1BY                                                | Telephone: 03708 506 506<br>Email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>                                                                                                      |
| 3       | <b>Hinckley And Bosworth Borough Council - Environmental Health Department</b><br>First Floor, Florence House, St Marys Road, Hinckley, Leicestershire,<br>LE10 1EQ | Telephone: 01455 238141<br>Fax: 01455 890228<br>Website: <a href="http://www.hinckley-bosworth.gov.uk">www.hinckley-bosworth.gov.uk</a>                                                                                              |
| 4       | <b>Environment Agency - Head Office</b><br>Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon,<br>BS32 4UD                                          | Telephone: 01454 624400<br>Fax: 01454 624409                                                                                                                                                                                         |
| 5       | <b>Ordnance Survey</b><br>Adanac Drive, Southampton, Hampshire, SO16 0AS                                                                                            | Telephone: 03456 05 05 05<br>Email: <a href="mailto:customerservices@ordnancesurvey.co.uk">customerservices@ordnancesurvey.co.uk</a><br>Website: <a href="http://www.ordnancesurvey.gov.uk">www.ordnancesurvey.gov.uk</a>            |
| 6       | <b>Leicestershire County Council</b><br>County Hall, Glenfield, Leicestershire, LE3 8RH                                                                             | Website: <a href="http://www.leics.gov.uk">www.leics.gov.uk</a>                                                                                                                                                                      |
| 7       | <b>Health and Safety Executive</b><br>5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS                                                                             | Website: <a href="http://www.hse.gov.uk">www.hse.gov.uk</a>                                                                                                                                                                          |
| 8       | <b>East Lindsey District Council - Planning Department</b><br>Teddard Hall, Manby Park, Louth, Lincolnshire, LN11 8UP                                               | Telephone: 01507 601111<br>Fax: 01507 600206<br>Website: <a href="http://www.e-lindsey.gov.uk">www.e-lindsey.gov.uk</a>                                                                                                              |
| 9       | <b>The Coal Authority - Property Searches</b><br>200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG                                                           | Telephone: 0345 762 6848<br>Fax: 01623 637 338<br>Email: <a href="mailto:groundstability@coal.gov.uk">groundstability@coal.gov.uk</a><br>Website: <a href="http://www2.groundstability.com">www2.groundstability.com</a>             |
| 10      | <b>PointX</b><br>7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY                                                                                           | Website: <a href="http://www.pointx.co.uk">www.pointx.co.uk</a>                                                                                                                                                                      |
| 11      | <b>Natural England</b><br>County Hall, Spetchley Road, Worcester, WR5 2NP                                                                                           | Telephone: 0300 060 3900<br>Email: <a href="mailto:enquiries@naturalengland.org.uk">enquiries@naturalengland.org.uk</a><br>Website: <a href="http://www.naturalengland.org.uk">www.naturalengland.org.uk</a>                         |
| -       | <b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b><br>Chilton, Didcot, Oxfordshire, OX11 0RQ                     | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: <a href="mailto:radon@phe.gov.uk">radon@phe.gov.uk</a><br>Website: <a href="http://www.ukradon.org">www.ukradon.org</a>                                                       |
| -       | <b>Landmark Information Group Limited</b><br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD                                                                    | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a><br>Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a> |

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

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## **APPENDIX VIII**

1. This report has been prepared and written specifically for the Client named in the introduction and is exclusively for his/her/their benefit. No reliance may be placed in the contents of this report by any third party except with the express agreement of the original Client and the written agreement of RDM. Such written agreement may require the payment of an additional fee.
2. The Executive Summary and Recommendations sections of this report only provide an overview of the guidance and should not be specifically relied upon in their own right but should be considered in relation to the whole report and the development described in this report.
3. This report has been prepared and written in the context of the proposals for the development of the site as stated by the Client and will not be valid in a differing context. Furthermore, new information, improved practices, or legislation may necessitate alterations to the report in whole or in part after its submission. Therefore, with any change in circumstances or after the expiry of one year from the date of this report, it should be referred to us for re-assessment.
4. The assessment and interpretation of contamination and associated risks are based upon the scope of the work described in the fee proposal and agreed with the client, the report may not be sufficient to fully address the contamination or allow a detailed remediation scheme to proceed without further investigation or analysis.
5. Any assessments made in this report are based on the ground conditions and as revealed by the test pits and boreholes together with the results of any field or laboratory testing undertaken and where appropriate other relevant data which may have been obtained for the site. The sources of such information are detailed in this report and while RDM use only such sources as are believed to be reliable, RDM will not be liable for the authenticity or reliability of information obtained from others.
6. Notwithstanding that factual reports from third parties concerning asbestos or mould of any kind may have been included for information purposes in this report, RDM will have no liability whatsoever for any claim or claims arising related to asbestos or mould of any kind.
7. There may also be special conditions appertaining to the site which were not revealed by the investigation and which will not, therefore, have been taken into account in this report. Any assessments may be subject to amendment in the light of additional information becoming available.
8. Whilst an opinion may be expressed or implied in this report on possible configurations of strata between or beyond test pit or borehole locations, or on the possible presence of features based on either visual, verbal or published evidence, this is for guidance only and no liability can be accepted for the accuracy of such opinions.
9. Comments on groundwater conditions will have been based on observations made only at the time of the investigation unless otherwise stated. It should be noted, however, that groundwater levels vary due to seasonal and other effects.
10. This report is not a site categorisation, and hazards could occur which have not been detected.
11. Where data has been provided or is made available to RDM and this has been used in the report, it has been assumed that the information is correct. No responsibility can be accepted by RDM for inaccuracies within the data supplied.
12. The copyright in this report and other related plans and documents prepared by RDM is owned by them and no such report, plan or document may be reproduced, published or adapted without their written consent. Complete copies of the report may however be made and distributed by the Client as an expedient in dealing with matters related to its commission.
13. This report has been prepared solely for the client's purposes in obtaining planning permission and discharge of the planning conditions related to the proposed development indicated in the report. The discharge of these conditions does not constitute that the site could be determined under Part IIA of the Environmental Protection Act 1990.