



**PHASE I PRELIMINARY RISK
ASSESSMENT
ON LAND AT
SPRINGFIELD STABLES
TARBOCK GREEN**

Prepared for:-

**Mr B Richardson
Springfield Stables
Garnetts Lane
Tarbock Green
Prescot
L35 1QN**

**December 2025
Ref: GSI 2537 EW PI Report**

**GeoCon Site Investigations Ltd
GeoCon Suite, Arden House, Shepley Lane Industrial Estate, Hawk Green, Marple, Stockport. SK6 7JW**

Quality Assurance	
Project ID	GSI 2537
Project Name	Springfield Stables, Tarbock Green
Report Type	Phase I Preliminary Risk Assessment
Report Reference	GSI 2537 EW PI Report
Appointed by	Mr B Richardson
Version	Version 3
Status	Final
Date of First Issue	December 2025
Revision Date	-
Written by	Emma Welch For and on behalf of GeoCon Site Investigations Ltd Emma Welch M.Sc. (Hons) Geoenvironmental Engineer
Reviewed by	Dan Dawson For and on behalf of GeoCon Site Investigations Ltd Dan Dawson B.Sc. (Hons) Senior Geoenvironmental Engineer
Authorised by	Ian Walker For and on behalf of GeoCon Site Investigations Ltd Ian Walker B.Sc. (Hons) F.G.S Director / Engineering Geologist

This document has been prepared for the titled project (or named part thereof) and should not be relied upon or used for any other project without an independent check being carried out as to its suitability and prior written authorization being obtained from GeoCon. GeoCon accepts no responsibility or liability for the consequences of the use of this document, wholly or in part, for any other purpose than that for which it was commissioned. Any persons using or relying upon this document for such other purpose do so at their own risk.

This report was prepared for the sole use of the named Client, as defined above, and shall not be relied upon or transferred to any other party without the express written authorisation of GeoCon. It may contain material subject to copyright or obtained subject to license; unauthorised copying of this report will be in breach of copyright/license.

From herein after GeoCon Site Investigations Ltd will be referred to as GeoCon.

GeoCon Offices:

Manchester (Head Office)

GeoCon Suite
Arden House
Shepley Lane Industrial Estate
Hawk Green, Marple
Greater Manchester
SK6 7JW
Tel: 0844 504 3901

Sheffield

Suite 5,
Dinnington Business Centre,
Outgang Lane, Dinnington,
Sheffield.
S25 3QX
Tel: 0844 504 3901

Birmingham

2nd Floor,
Quayside Tower,
Broad Street,
Birmingham.
B1 2HF
Tel: 0844 504 6901

London (East)

Fortis House,
160 London Road,
Barking,
London.
IG11 8BB
Tel: 0844 504 7901

Newcastle-Upon-Tyne:

The Axis Building,
Maingate, Kingsway North,
Team Valley,
Gateshead,
NE11 0NQ
Tel: 0844 504 7981

Bristol:

2430 / 2440,
The Quadrant,
Almondsbury,
Bristol,
BS32 4AQ
Tel: 0844 504 9208

London (West)

Park House,
111 Uxbridge Road,
Ealing,
London.
W5 5LB
Tel: 0844 504 4901

Table of Contents

1.0	INTRODUCTION.....	1
1.1	Instruction.....	1
1.2	Scope of Works	1
1.3	Previous Investigations	1
1.4	Reliance and Limitations.....	1
2.0	SITE LOCATION AND DESCRIPTION.....	3
2.1	Site Location	3
2.2	Site Reconnaissance	3
2.3	Site Description.....	3
2.4	Surrounding Area.....	3
2.5	Future Site Usage.....	4
3.0	SITE HISTORY	5
3.1	General	5
3.2	Aerial Photography	5
4.0	ENVIRONMENTAL SETTING.....	7
4.1	General	7
4.2	Published Geology	7
4.3	Potential Contamination Sources	7
4.3.1	The following potential sources of contamination have been identified.....	7
4.4	Radon.....	8
4.5	Hydrogeology.....	8
4.6	Hydrology.....	9
4.7	Mining, Subsidence and Foundations.....	9
4.8	Environmentally Sensitive Sites	9
5.0	PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT.....	10
5.1	Introduction	10
5.2	Risk Assessment Methodology	10
5.3	Outline Conceptual Site Model.....	10
5.4	Preliminary Risk Assessment	12
6.0	PRELIMINARY GEOTECHNICAL ASSESSMENT	17
6.1	General	17
6.2	Discussion	18
7.0	CONCLUSIONS AND RECOMMENDATIONS	19
7.1	Conclusions.....	19
7.2	Recommendations.....	19
7.3	Other Considerations.....	20
8.0	REFERENCES.....	21

List of Tables

Table 2.1: Site Surface Covering3

Table 3.1: Site History6

Table 4.1: Sources of Information.....7

Table 4.2: Published Geology.....7

Table 4.3: Potential Geological Hazards.....9

Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages15

Table 6.1: Potential Geotechnical Risks17

APPENDICES

Appendix	Information
A	Drawings
B	Historical Mapping Records
C	Envirocheck Report
D	Risk Assessment Matrix

1.0 INTRODUCTION

1.1 Instruction

- 1.1.1 GeoCon Site Investigations Ltd (GeoCon) have been commissioned by Mr B Richardson to undertake a Phase I Preliminary Risk Assessment (PRA) on land at Springfield Stables, Garnetts Lane, Tarbock Green.
- 1.1.2 It is understood that a PRA is required to assist with a planning application for a residential development at the site.
- 1.1.3 This report is therefore provided to establish the potential for contamination at the site as a result of current and historic land uses both on site and within influencing distance of the site, to understand the potential type of contamination that may be present and to identify the potential ground conditions.
- 1.1.4 This report is written in accordance with the guidance set out in Land Contamination Risk Management (LCRM), Guiding Principles for Land Contamination (GPLC) 1 – 3, and the National Planning Policy Framework (NPPF).

1.2 Scope of Works

- 1.2.1 Prior to commencing the site works the proposed scope of investigation was as follows, however the proposed scope will be subject to change dependent upon site conditions, access, restrictions and obstructions.
 - To undertake a site walkover and reconnaissance.
 - To appraise the land use history of the site by the examination of available historical plans.
 - To assess the environmental setting of the site with specific reference to geology, mining & quarrying, hydrogeology and hydrology.
 - To gain an understanding of any concerns of the regulatory authorities (Local Authority Planning, Building Control and Environmental Health departments and the Environment Agency) regarding local land filling, flooding, mining, quarrying and other concerns.
 - To produce a Preliminary Conceptual Site Model (CSM).

1.3 Previous Investigations

- 1.3.1 GeoCon have not been provided with any previous investigation reports and are unaware that any have been carried out to date.

1.4 Reliance and Limitations

- 1.4.1 This report has been prepared using published information and information provided by the Client and their professional advisers which has been made available to GeoCon at the time of writing only. GeoCon accepts no liability for any changes resulting from new information which has become available since this time.
- 1.4.2 This report is provided for the sole use of the client and their professional advisors and is confidential to them unless agreed otherwise in writing. This report may only be used and relied on once the work has been paid for in full. GeoCon owes no duty of care and has no liability to any third party who is not authorised by GeoCon to use this report. Any unauthorised third parties using information contained in this report do so at their own risk.
- 1.4.3 This assessment has been carried out to determine the potential risks posed to future end users, along with other key receptors, resulting from potential contamination at the site, based on the proposed

development. Should any revisions in the development proposals result in a change in any assessment parameters detailed in this report, a re-assessment of the risk should be carried out.

- 1.4.4 Whilst this report may reference observations made regarding the presence of features/ issues such as invasive species, Asbestos Containing Materials (ACM), site drainage and evidence of structural abnormalities, this report does not constitute specialist surveys on these matters. Should further specialist surveys be carried out in this regard, the findings of these should be reported to GeoCon so that we may determine if this has any impact on the findings of this report.
- 1.4.5 The assessment and interpretation of the factual data obtained as part of this Phase I Preliminary Risk Assessment has been undertaken in accordance with standard consulting practise and with current national and international guidance.
- 1.4.6 This report presents the observations made during the Phase I Preliminary Risk Assessment and the factual data obtained. The conclusions and recommendations in this report are limited to those which can be made based on the findings of the survey and information provided by third parties. GeoCon assumes all third-party data to be true and correct. No responsibility can be accepted by GeoCon for inaccuracies in the information provided by any other party.
- 1.4.7 This report is written in the context of an agreed scope of works and should not be used in a different context. Furthermore, new information, improved practises, and changes in legislation may require the reinterpretation of the report in whole or in part after its original issue. GeoCon reserve the right to alter their conclusions and recommendations in the light of further information that may become available.
- 1.4.8 It should be noted that ground conditions including contaminant concentrations and groundwater levels may vary spatially with time. This factor should be given due consideration in the event that the information contained within this report is used after any significant period of time has elapsed.

2.0 SITE LOCATION AND DESCRIPTION

2.1 Site Location

2.1.1 The site is located at Springfield Stables, Tarbock Green, at approximate National Grid Reference NGR: 346960, 386470 (centre of the site).

2.1.2 A site location plan is presented as Drawing No. GSI 2537/01 in Appendix A.

2.2 Site Reconnaissance

2.2.1 A site reconnaissance was carried out on 10th December 2025. Details from the site walkover are included in the site description below.

2.2.2 A selection of photographs from the site walkover are presented as drawing no. GSI 2537/02 in Appendix A.

2.3 Site Description

2.3.1 The site is an irregular shaped piece of land with an approximate area of 0.91Ha.

2.3.2 The topography of the site is generally flat with localised undulations.

2.3.3 The site is currently occupied by a barn, surrounded by a combination of hardstanding areas and soft landscaping comprising grassland and overgrown shrubs which is predominantly located on the southern end of the site. The main building located in the centre of site contains various fly-tipped materials and stored items, including electrical machinery, hay, and equestrian-related goods. The north-eastern portion of the site consists of derelict land that is also being used for the storage of assorted materials, including additional fly-tipped waste. There are also several vehicles of various ages and sizes, parked or stored on site. The rooves of some on site structures appear to be a corrugated cement material. Considering the age of the buildings these could potentially contain asbestos. Corrugate cement panels were also noted being stored within the main building.

2.3.4 An approximate distribution of the surface covering is given below in Table 2.1: Site Surface Covering.

Table 2.1: Site Surface Covering

Type of Surface Cover	Distribution (%)
Soft Ground (grassed and landscaped areas)	75
Hardstanding	10
Roadways	0
Buildings	15
Water (ponds, streams)	0

2.3.5 The site is bound by Garnetts Lane to the northwest, wooden fencing along the western boundary, and roped fencing along the southern and eastern boundaries.

2.3.6 Access to the site is off Garnetts Lane to the northwest.

2.4 Surrounding Area

2.4.1 The current surrounding land use to the site is generally agricultural in all directions, with residential and commercial farm buildings present to the north, west and southwest.

2.4.2 The topography of the surrounding area declines slightly in elevation to the west.

2.5 Future Site Usage

- 2.5.1 It is currently proposed to develop the site with a new one-storey residential property and associated hard and soft landscaping. The development includes the partial demolition of the existing on-site farm building.
- 2.5.2 This assessment has been carried out with reference to this proposed development plan as described by the client. Any changes to the proposed development may result in the requirement to update this assessment.

3.0 SITE HISTORY

3.1 General

- 3.1.1 The history of the site has been determined from available historical maps obtained as part of the Envirocheck Report and via the Envirocheck Analysis online historical mapping tool. The history of the site and of the surrounding area is summarised overleaf in Table 3.1: Site History. It should be noted that some of the maps come with little to no coverage.
- 3.1.2 The information presented overleaf in Table 3.1: Site History, is given based on the distance and direction from the closest point of each feature to the site. The table presents the data broken down into the following categories: - feature; the potential use of each feature where applicable; the date each particular feature is first observed; the direction of each feature from the site; the approximate distance of each feature from the site; the approximate area of each feature; and any other relevant information regarding the site and surrounding area in general.
- 3.1.3 The historical mapping records are presented in Appendix B.

3.2 Aerial Photography

2000 Aerial Photograph:

- 3.2.1 The 2000 aerial photograph show the site to be occupied by a large rectangular building in the centre and a smaller square building in the north of the site. a circular area of sand can be seen in the northwestern corner. The rest of the site is occupied by grassland with small areas of shrubbery. The surrounding area is mainly occupied by agricultural fields with areas of farm and livery buildings to the north, west and southwest. A dual carriage way is located to the west of the site as well as a railway to the south of the site.

Recent Aerial Photograph:

- 3.2.2 Recent aerial photography shows the site and surrounding area to have remained predominantly unchanged.

Table 3.1: Site History

Feature	Date first observed	Date no longer shown	Direction (from site)	Distance (from site)	Area (m²)	General notes
Disused Army Barracks[DD1]	1955	1972	-	On site	18321	1957 - Expanded to the southeast, possible buried munitions, asbestos
Tanks	1957	1977	-	On site	-	Potentially used for fuel storage
Buildings	1990	Present	-	On site	851	Unspecified use, possible asbestos containing construction materials
Pond	1893	1957	SW	27	192	Potentially infilled with unknown materials
Pond	1893	1907	E	38	151	Potentially infilled with unknown materials
Pump	1849	1893	SW	71	0	NA
Pond	1893	Present	NE	116	351	NA
Watercourse	1893	Present	SW	145	-	Spring Brook
Drain	2025	Present	E	160	-	NA
Pond	1893	Present	NE	168	293	NA
Pond	1893	Present	N	195	168	NA
Pond	1893	Present	SE	226	453	NA
Pond	1893	Present	N	243	267	NA
Site and surrounding area in general	From the earliest mapping records (1849), the site appears to be occupied by agricultural fields, with a small farm to the immediate south. The surrounding area is made up of agricultural land. By 1893, a railway had been constructed to the south of the site and several small farms had been established to the north and south of the site. The 1955 map indicates that the site had been used as an army barracks, extended to the southeast by 1957. By 1977, the army barracks had been demolished and two agricultural buildings had been erected onsite. The surrounding area had developed slightly to include a small area of buildings to the north of the site. No further significant changes were noted on subsequent maps.					

4.0 ENVIRONMENTAL SETTING

4.1 General

- 4.1.1 A number of third parties have been approached to collate information relating to the site, its environmental setting, and any issues pertaining. The following third-party sources have been utilised which are outlined below in Table 4.1: Sources of Information:

Table 4.1: Sources of Information

Source	Information
Landmark	Envirocheck Report Geology Report Mining & Ground Stability Report
British Geological Survey (BGS)	BGS Open Geoscience online geological mapping tool
Ordnance Survey	OS Open Data online mapping tool
Mining Remediation Authority	Online Gazetteer of England and Wales
Environment Agency (EA) Online	Water Quality Data and Aquifer designation

- 4.1.2 The Landmark Envirocheck report is provided in Appendix C.

4.2 Published Geology

- 4.2.1 The British Geological Survey shows the site to be underlain by the geological succession outlined below in Table 4.2: Published Geology.

Table 4.2: Published Geology

Geology	Description /strata	BGS General Description (Lexicon)
Artificial	None recorded	NA
Superficial	Till	<i>"Till is unsorted and unstratified drift, generally overconsolidated, deposited directly by and underneath a glacier without subsequent reworking by water from the glacier. It consists of a heterogenous mixture of clay, sand, gravel, and boulders varying widely in size and shape."</i>
Bedrock	Kinnerton Sandstone Formation	<i>"Sandstone, red brown to yellow, generally pebble-free, fine- to medium-grained, cross-stratified."</i>

- 4.2.2 A geological fault is mapped approximately 90m to the east of the site.

4.3 Potential Contamination Sources

- 4.3.1 The following potential sources of contamination have been identified.

Fuel Storage

- 4.3.2 There are no fuel station entries within 500m of the site.
- 4.3.3 Tanks were mapped on the site from 1957 to 1977 which may have been used for fuel storage.

Contemporary Trade Directories

- 4.3.4 There are no contemporary trade directories within 250m of the site.

Points of Interest

- 4.3.5 There are no points of interest for commercial services or manufacturing and production within 250m of the site.

Environmental Pollution Measures

- 4.3.6 There are no Local Authority or Integrated Pollution Prevention and Controls recorded within 250m of the site.
- 4.3.7 There are no substantiated pollution incidents recorded within 250m of the site.
- 4.3.8 There are no hazardous substance uses recorded within 500m of the site.

Landfills and Waste

- 4.3.9 There are no landfill sites or other waste associated sites within 250m of the site boundary.
- 4.3.10 Information provided by Landmark's Environmental Database indicates that there is one area within 250m of the site where the potential for infilling is possible. This relates to a former water feature located 204m to the north which is no longer shown on recent maps, indicating that it may have been infilled with unknown materials.
- 4.3.11 There are two areas identified on the historical maps within 250m of the site where the potential for infilling is possible which include two former ponds that are no longer shown on more recent maps indicating that they may have been infilled within unknown materials:
 - Pond 27m southwest, last observed on the 1957 map.
 - Pond 38m east, last observed on the 1907 map.
- 4.3.12 Made Ground may be present on the site with unknown thickness and composition.

4.4 Radon

- 4.4.1 The Envirocheck report shows the site is located within a lower probability radon area, as less than 1% of homes are above the action level. Therefore, no radon protection measures are necessary in the construction of new dwellings or extensions.

4.5 Hydrogeology

Superficial Deposits

- 4.5.1 The Environment Agency aquifer classification scheme indicates that the superficial aquifer designation for the site is classed as Secondary Undifferentiated aquifer which are generally described as having been *'assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.'* (EA general description).

Bedrock

- 4.5.2 The Environment Agency aquifer classification scheme indicates that the bedrock aquifer designation for the site is classed as Principal Aquifer which are generally described as *'these are layers of rock or drift deposits that have high intergranular and/or fracture permeability- meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer'* (EA general description).

Groundwater Abstractions

- 4.5.3 There are no licensed groundwater abstraction points within 1000m of the site.
- 4.5.4 The nearest public drinking water abstraction to the site is located 1097m to the west.

- 4.5.5 It is possible that there may be private unlicensed water abstractions that exist locally in the area.
- 4.5.6 The site is located within a Zone III (Total Catchment) source protection zone (SPZ). There are three Zone II (Outer Protection Zone) SPZs and three Zone I (Inner Zone) SPZs within 2000m of the site. The nearest Zone II and Zone I SPZs are located approximately 685 and 1047m to the west, respectively.

4.6 Hydrology

- 4.6.1 The nearest surface watercourse to the site is Spring Brook located approximately 143m to the southwest, flowing northwest to southeast.
- 4.6.2 There are no discharge consents within 250m of the site.
- 4.6.3 There are no pollution incidents to controlled waters within 250m of the site.

Surface Water Abstractions

- 4.6.4 There are no licensed surface water abstraction points within 1000m of the site.
- 4.6.5 It is possible that there may be private unlicensed water abstractions that exist locally in the area.

Flooding

- 4.6.6 There is limited potential for groundwater flooding to occur on site.

4.7 Mining, Subsidence and Foundations

- 4.7.1 There are no BGS recorded mineral sites within 250m of the site boundary.
- 4.7.2 The Mining Remediation Authority and Envirocheck Report indicate that the site is located within the coal mining reporting area. However, considering the underlying geology and absence of coal outcrops and mining features in the area, the site is considered to be at very low risk of coal mining related hazards. Therefore, a coal mining report has not been commissioned for the site.
- 4.7.3 The Envirocheck Report indicates that the site not located within a brine extraction area and no further consultation with the Cheshire Brine Subsidence Compensation Board (CBSCB) is required.
- 4.7.4 Landmark indicates that the risk from non-coal mining is negligible.
- 4.7.5 The British Geological Survey provide risk ratings for the potential geological hazards outlined below in Table 4.3: Potential Geological Hazards.

Table 4.3: Potential Geological Hazards

Potential Geological Hazard	Hazard Potential
Collapsible Ground	Very low
Compressible Ground	No hazard
Ground Dissolution	No hazard
Landslides	Very low
Running Sands	Very low
Shrinking or Swelling Clay	Very low

4.8 Environmentally Sensitive Sites

- 4.8.1 The site is located within an area of adopted green belt land and a nitrate vulnerable zone for surface water.

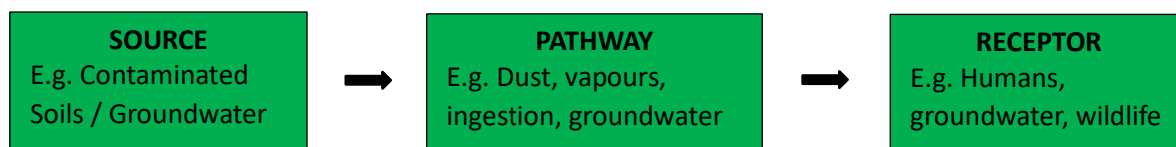
5.0 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT

5.1 Introduction

- 5.1.1 In statutory guidance regarding potentially contaminated land, risk assessments are used as a technique on a site-specific basis to identify potential environmental issues. As recommended by BS 10175 an Initial Conceptual Generic Model has been formulated which defines the 'pollutant linkage' through source, pathway and receptor methodology. All three must be present in order to pose a risk to the end users and to the environment, i.e., if there is no pathway between the source and the receptor, then there is no 'pollutant linkage' and hence negligible risk to the receptor.

5.2 Risk Assessment Methodology

- 5.2.1 The purpose of a Phase I Preliminary Risk Assessment (PRA) is to obtain information regarding the site to gain a preliminary understanding of potential environmental issues and the potential for land contamination. This information includes existing and proposed site uses, the history of the site and surrounding area, and the environmental setting. The information obtained is used to develop a Conceptual Site Model (CSM), which describes sources (potential hazards), pathways, and receptors, which may be relevant to the site. The following definitions have been adapted from Part IIA of the Environmental Protection Act (EPA) 1990:



- 5.2.2 **Source** – A source can be defined as a potential contaminant, substance, or condition that has the potential to cause harm to the environment, humans or other flora and fauna.
- 5.2.3 **Pathway** – A pathway is defined as the route by which a source is brought into contact with a receptor. This can include the transport of contamination via groundwater, wind borne dust, vapours, excavation and deposition, dermal contact, ingestion and inhalation.
- 5.2.4 **Receptor** – Receptors are defined as anything that can be affected by a source such as human beings, flora and fauna, other living organisms, groundwater and surface water, physical systems and built structures.
- 5.2.5 Some of the above, such as groundwater, surface water, flora, and fauna can be considered as both pathways and receptors.
- 5.2.6 A risk may be considered present if all three of the above exist and thereby form a “**pollutant linkage**”.

5.3 Outline Conceptual Site Model

- 5.3.1 As part of this Phase I Preliminary Risk Assessment, the following potential sources, pathways and receptors have been considered and are discussed below.

Potential Sources (on and off site):

- 5.3.2 The following are potential sources of contamination that have been considered: -

- Made Ground / reworked soils and rock beneath the site associated with construction and demolition on site and of the surrounding area.

- Potential for contamination to have occurred at the site as a result of historical and contemporary land uses and processes on the site and within influencing of the distance.
- Potential for mobile and leachable contamination at the site associated with historical and contemporary land uses and processes both on site and within influencing of the distance.
- Potential for volatile and semi-volatile contamination at the site associated with historical and contemporary land uses and processes both on site and within influencing of the distance.
- Historic electrical substations on the site and within influencing of the distance.
- Potential for hazardous ground gasses associated with any Made Ground, landfill sites and other areas of potentially infilled land both on site and within influencing distance of the site.

Potential Pathways

5.3.3 The following potential pathways have been identified at the site:

- Ingestion of contaminated soils.
- Inhalation of site generated particulates.
- Dermal contact with contaminated materials.
- Ingestion of home grown produce.
- Inhalation of hazardous ground gasses.
- Build-up of hazardous ground gasses in confined spaces.
- Groundwater.
- Surface water courses within influencing of the distance.

Potential Receptors

5.3.4 The following potential receptors have been identified:

- Current site end users.
- Future site end users.
- Construction workers.
- Members of the public and neighbouring site users.
- Neighbouring land.
- Aquifers and drinking water.
- Surface water courses within influencing of the distance.
- Flora and fauna.
- Other ecosystems.

5.4 Preliminary Risk Assessment

- 5.4.1 The Preliminary Risk Assessment has been evaluated using a probability / consequence matrix, which is provided in Appendix D.
- 5.4.2 The proposed development comprises the construction of a new one-storey residential property and associated hard and soft landscaping. The development includes the partial demolition of the existing on-site farm building.
- 5.4.3 The underlying geology of the site and surrounding area is indicated to be superficial Till deposits overlying bedrock of the Kinnerton Sandstone Formation.
- 5.4.4 The following risk assessment has been based on the above information and the proposed development as detailed in Section 2.0.
- 5.4.5 The discussion below assesses the likelihood of potential Contaminants of Concern (CoC's) with a justification on whether they would likely be present.
- 5.4.6 The CSM in Table 5.1 then provides a risk rating for the site.

Land Contamination

- 5.4.7 From the information available, the site itself has had some historical use. It is therefore possible that Made Ground will be present beneath the site associated with past construction and demolition on site and in the surrounding area, and site generated processes. The probability for heavy metals, metalloids & inorganics and PAHs to be present is considered to be **likely**.
- 5.4.8 Historical land uses with the potential to produce mobile, organic and leachable contamination have been identified on the site and in the surrounding area. The probability for mobile, organic and leachable contamination to be present at the site is considered to be **low likelihood**.
- 5.4.9 Historical and contemporary land uses with the potential to produce volatile contamination (VOCs & SVOCs) have been identified both on the site and within influencing distance. Considering the distances between the features and the site and the time that has elapsed since the features were no longer mapped, the probability for VOCs & SVOCs to be present at the site is considered to be **low likelihood**.
- 5.4.10 There are no known electric substations or other sources of Polychlorinated Biphenyls contamination (PCBs) within influencing distance of the site. Therefore, the probability for PCBs to be present at the site is considered to be **unlikely**.
- 5.4.11 It is possible that further electric substations or former electric substations are present within influencing distance of the site that have not been identified on the historical maps.
- 5.4.12 Asbestos fibres and Asbestos Containing Materials (ACMs) could be present within any Made Ground and or shallow natural soils beneath the site as a result of historic site uses and phases of construction and demolition. They are also potentially present within the building fabric. The probability for ACMs^[DD2] to be present at the site is considered to be **likely**.
- 5.4.13 Based on the above, the site history and the environmental information available, the potential contaminants identified on this site include heavy metals, metalloids & inorganics, PAHs, volatiles and asbestos, and the risk to human health is considered to be **Low to Moderate** at this stage.

Hazardous Ground Gases and Vapours

- 5.4.14 There are no landfill sites or other waste associated sites within 250m of the site boundary. Three areas of potentially infilled land have been identified through the Envirocheck Report and the historic maps for the area, the closest of which is located 27m to the southwest, last observed on the 1957 map.
- 5.4.15 Considering the size of the features, distances from the site and time that has elapsed since they were potentially infilled, the probability of hazardous gases being present beneath the site is unlikely and therefore the risk from hazardous ground gases is considered to be **Very Low**.
- 5.4.16 Landmark indicates that the site is within a lower probability radon area, as less than 1% of homes are above the action level. Therefore, no radon protection measures are necessary in the construction of new dwellings or extensions.

Groundwater

- 5.4.17 The superficial and bedrock aquifers are designated as Secondary Undifferentiated and Principal Aquifer respectively. There are no recorded groundwater abstraction points within 1000m of the site and the nearest drinking water abstraction is located 1097m to the west. The site is within a Zone III source protection zone and there are three Zone I and Zone II SPZs within 2000m of the site.
- 5.4.18 The potential contaminants identified on this site include heavy metals, metalloids and inorganics, PAHs and volatiles.
- 5.4.19 Based on the above, the environmental information available and the presence of nearby drinking water abstractions and SPZs, the probability for contamination at the site to impact the groundwater is low likelihood and the risk to groundwater is considered to be **Low to Moderate** at this stage.

Surface Water

- 5.4.20 The nearest surface watercourse to the site is Spring Brook located approximately 143m to the southwest flowing northwest to southeast. There are no discharge consents, recorded pollution incidents to controlled waters or surface water abstraction records within influencing distance of the site.
- 5.4.21 The potential contaminants identified on this site include heavy metals, metalloids and inorganics, PAHs and volatiles.
- 5.4.22 Based on the above, the environmental information available and the proximity of the nearest surface water feature, the probability for contamination at the site to impact the surface water courses is unlikely and therefore the risk to surface water courses is considered to be **Very Low** at this stage.

Plants and Native Grasses

- 5.4.23 Any plants that may be grown at the site in areas of landscaping may potentially be at risk from phytotoxic elements in any artificial soils beneath the site.
- 5.4.24 All plant growth appeared normal across the site during the site reconnaissance.
- 5.4.25 Based on the above, the site history and the environmental information available, the potential contaminants identified on this site may include heavy metals, metalloids & inorganics, and the risk to plants is considered to be **Low** at this stage.

Water Supply / Plastic Pipes

- 5.4.26 Any organic contamination present in the soils or groundwater beneath the site would pose a risk of premature failure to below ground services via chemical reaction.

Preliminary Conceptual Site Model

- 5.4.27 From the above information a CSM has been produced showing the preliminary conceptual model and potential pollutant linkages for the site and is presented overleaf in Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages.
- 5.4.28 At this stage only contaminants of concern that are considered potentially present from the information available have been included in the CSM.

Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Potential Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation / Justification
Made Ground both on site and within influencing distance of the site Current and former land uses both on site and within influencing distance of the site	Heavy metals, sulphates and inorganics PAHs Asbestos Mobile organic contamination SVOCs and VOCs	Ingestion Inhalation Dermal Contact	Human health Including current site users, future site users	Considered potentially active	Likely	Medium	Moderate	Site investigation to confirm presence, type and extent of any contamination beneath the site.
			Human health Construction workers	Considered potentially active	Likely	Medium	Moderate	Site investigation to confirm presence, type and extent of any contamination beneath the site.
			Human health Neighbouring residents	Considered potentially active	Low likelihood	Medium	Low to Moderate	Site investigation to confirm presence, type and extent of any contamination beneath the site.
Landfill sites Potentially infilled Land (ponds, quarries, reservoirs etc) Made Ground Natural organic soils Coal mining Fuel Stations (on and off-site sources)	Hazardous ground gases including CO₂, CH₄ CO, H₂S Vapours	Inhalation Explosion	Human health Including current site users, future site users, neighbouring residents and constructions workers Buildings	Considered potentially active	Unlikely	Severe	Very Low	No further action, however, if significant Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Potential Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation / Justification
Made Ground on site Current and former land uses on site	Heavy metals, sulphates and inorganics PAHs Mobile organic contamination SVOCs and VOCs	Lateral and vertical migration and leaching of contaminants into local groundwater	Underlying Aquifer (Potable water)	Considered potentially active	Low likelihood	Medium	Low to Moderate	Site investigation to confirm presence, type and extent of any contamination beneath the site.
Made Ground on site Current and former land uses on site	Heavy metals, sulphates and inorganics PAHs Mobile organic contamination SVOCs and VOCs	Lateral and vertical migration and leaching of contaminants into surface water bodies via permeable strata and features.	Local water courses and associated flora and fauna	Considered potentially active	Low likelihood	Mild	Low	Site investigation to confirm presence, type and extent of any contamination beneath the site.
Made Ground beneath the site Current and former site uses	Phytotoxic elements	Plant uptake	Plants and vegetation	Considered potentially active	Low likelihood	Mild	Low	Site investigation to confirm presence, type and extent of any contamination beneath the site.

6.0 PRELIMINARY GEOTECHNICAL ASSESSMENT

6.1 General

- 6.1.1 The underlying shallow geology is likely to consist of superficial Till deposits overlying bedrock of the Kinnerton Sandstone Formation.
- 6.1.2 Made Ground may also be present on site.
- 6.1.3 Based upon the information reviewed, a list of potential geotechnical risks has been outlined below in Table 6.1: Potential Geotechnical Risks, which presents a summary of the likely geotechnical risks potentially present at the site.

Table 6.1: Potential Geotechnical Risks

Features of Concern	Geotechnical Consideration	Geotechnical Risk to Proposed Development	Likelihood
Made Ground	Any potential Made Ground beneath the site.	Made Ground can cause total and differential settlement of any new structures.	Possible
Trees and vegetation	Large mature trees on site or within close proximity to the site boundaries.	Tree roots have the potential to cause clay soils to shrink causing settlement of new structures.	Possible
Shrinkage and expansion of clay soils	Clay soils beneath the site.	Potential for shrinkage and / or heave of clay soils causing damage to new structures.	Likely
Groundwater ingress	Shallow groundwater beneath the site.	Shallow ground water can have an impact on construction and foundation excavations. Pumping and / or dewatering may be required.	Possible
Existing / former foundations and underground structures	New buildings may be situated upon the sites of former demolished buildings or buildings that will be demolished as part of the proposed development.	Uneven founding, inconsistent ground conditions, and unsuitable bearing capacity for new structures.	Likely
Aggressive ground	Chemical content of the soils beneath the site.	Chemically aggressive ground may have the potential to attack buried concrete.	Possible
Soft / loose / weak soils and / or rock beneath the site	Unsuitable founding strata beneath the site.	Soft and loose soils or weak rock may be inadequate to found on. A suitable foundation option should be selected based on the actual ground conditions beneath the site.	Possible
Embankments / Slopes / Retaining Walls	Unstable slopes and embankments. Failing retaining walls.	Collapse onto or into any new developments. Slope failure beneath development.	Unlikely
Shallow mine workings beneath the site	Coal seams or mine entries present on or beneath the site which may have been worked in the past.	Worked mine seams or areas of mineral extraction leave voids underground that have the potential to settle when new loads are placed above them.	Unlikely
Ground Dissolution	Dissolution of carbonaceous geology beneath the site.	Carbonaceous ground beneath the site can dissolve over time with groundwater percolating through causing sink holes giving rise to settlement or complete collapse of structures.	Unlikely
Brine Extraction	Areas of brine extraction beneath the site at shallow depths.	Affected areas may leave voids underground that have the potential to settle when new loads are placed above them.	Negligible

6.2 Discussion

Structures

- 6.2.1 The nature and distribution of geotechnical properties of the near surface strata have not been fully identified within this study, therefore it is not possible at this stage, to give meaningful advice as to the type, nature, and construction of any foundations for the proposed development.
- 6.2.2 A suitable geotechnical site investigation should be carried out at the site to confirm ground conditions, geotechnical parameters, details of the groundwater regime, and other general site details to facilitate suitable foundation and substructure design.

Sustainable Drainage

- 6.2.3 In accordance with National Planning and Policy Framework (NPPF) and Local Planning Guidance, the Local Planning Authority (LPA) will require that surface water drainage from the proposed development complies with current design practices for Sustainable Drainage Systems (SuDS) construction of separate drainage systems for foul and surface water. Surface water shall be required to be attenuated to Greenfield runoff rates or better and attenuation up to the 1 in 100-year storm event plus 40% for climate change will be required on site.
- 6.2.4 Based on the indicative ground conditions encountered it is **unlikely** that soakaways would be suitable at the site. If sustainable drainage is to be considered, it is recommended that soakaway testing is carried out in accordance with BRE 365 at the site to establish the sites suitability for sustainable drainage.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

Environmental

- 7.1.1 A review of the preliminary information reveals that future end users of the site are potentially at **Moderate** risk of being affected by contamination in soils and / or groundwater beneath this site.
- 7.1.2 Risks to construction workers from the site are considered to be **Moderate** at this stage.
- 7.1.3 Risks to neighbouring residents from the site are considered to be **Low to Moderate** at this stage.
- 7.1.4 The risks of hazardous ground gasses affecting the site are considered to be **Very Low** at this stage.
- 7.1.5 No radon protection measures are necessary in the construction of new dwellings or extensions.
- 7.1.6 The risks to drinking water and groundwater are considered to be **Low to Moderate** at this stage.
- 7.1.7 The risks to surface waters are considered to be **Low** at this stage.
- 7.1.8 Risks to plants and native grasses are considered to be **Low** at this stage.

Geotechnical

- 7.1.9 The nature and distribution of geotechnical properties of the near surface strata have not been fully identified within this study, therefore it is not possible at this stage to give meaningful advice as to the type, nature and construction of any foundations for the proposed development.
- 7.1.10 Inadequately designed buried concrete may be at risk from potentially elevated sulphates and low pH in the soils and groundwater beneath the site.
- 7.1.11 The site is not considered to be affected shallow coal mining. Therefore, risks from shallow coal mining are considered to be **Very Low** at this stage.
- 7.1.12 The site is not considered to be affected by brine extraction. Therefore, risks from brine extraction are considered to be **Very Low** at this stage.
- 7.1.13 The site is not considered to be affected by ground dissolution. Therefore, risks from ground dissolution are considered to be **Very Low** at this stage.
- 7.1.14 Based on the indicative ground conditions identified it is unlikely that sustainable drainage would be suitable at the site. If sustainable drainage is to be considered, it is recommended that soakaway testing is carried out in accordance with BRE 365 at the site to establish the sites suitability for sustainable drainage.

7.2 Recommendations

- 7.2.1 It is recommended that a suitable combined phase II environmental and geotechnical site investigation is carried out at the site to establish the presence, type and nature of any contamination at the site and provide a Generic Quantitative Risk Assessment (GQRA), and to identify the ground conditions and provide details of their engineering properties in order to facilitate foundation design for the proposed development.
- 7.2.2 It is recommended that the above conclusions and recommendations are agreed in principle with the Local Planning Authority (LPA) to gain their approval prior to commencement of the development to avoid unnecessary complications or delays at a later stage.

7.3 Other Considerations

Soakaways

- 7.3.1 In accordance with National Planning and Policy Framework (NPPF) and Local Planning Guidance, the LPA will require that surface water drainage from the proposed development complies with current design practices for Sustainable Drainage Systems (SuDS) construction of separate drainage systems for foul and surface water.
- 7.3.2 Infiltration testing should be considered to determine the suitability for sustainable drainage at the site.

Plastic Water Pipes

- 7.3.3 Any organic contamination present in the soils or groundwater beneath the site would pose a risk of premature failure to below ground services via chemical reaction.
- 7.3.4 Any subsequent Phase II Site Investigation would be primarily concerned with human health risk assessment.
- 7.3.5 Considerations should be given to specific sampling and chemical analysis of the materials that any plastic water supply pipes will be laid in.
- 7.3.6 It is also likely that the water utilities provider will require their own risk assessment to be completed.

Radon

- 7.3.7 Radon protection measures are not required at this site.

Asbestos Survey

- 7.3.8 Any existing buildings and structures on site will require an Asbestos Survey by a competent asbestos contractor.

Unexploded Ordnance

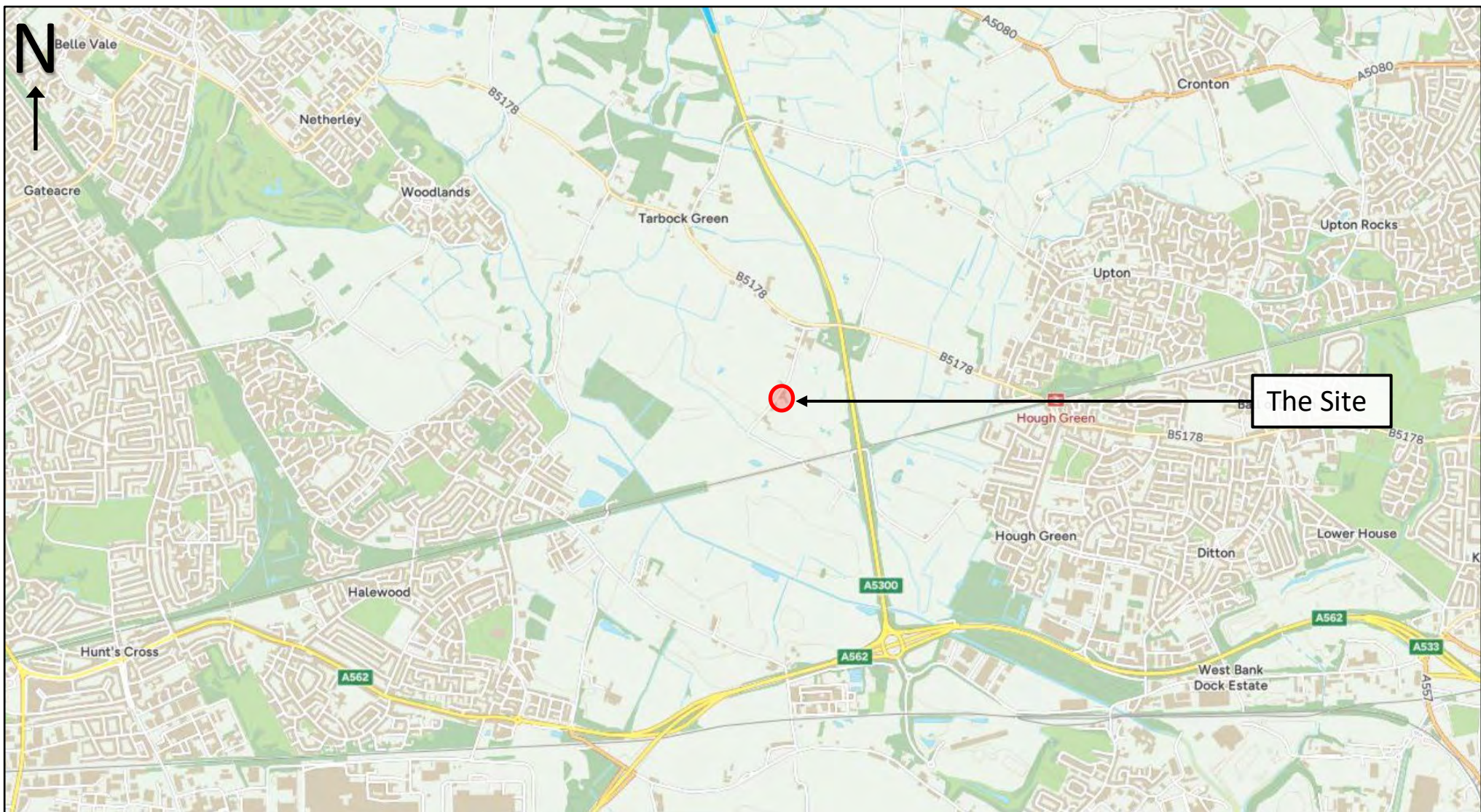
- 7.3.9 The historic use of the site as army barracks may have resulted in burial of unused ordnance, which was undertaken on such sites for small quantities of unused bullets and small ordnance shells. Care should be undertaken during ground investigation or construction related works. Consideration to undertaking an Unexploded Ordnance assessment for the site is recommended.

8.0 REFERENCES

- 📄 *British Geological Survey (BGS): 1:50'000 geological maps of the area.*
- 📄 *British Geological Survey (BGS): Open geoscience online mapping tool.*
- 📄 *BS 10175: Code of Practise for the Investigation of Potentially Contaminated Sites.*
- 📄 *BRE 211 Radon: Guidance on protective measures for new buildings.*
- 📄 *Cheshire Brine Subsidence Compensation Board: Cheshire Salt Search.*
- 📄 *CIRIA 552: Contaminated Land Risk Assessment; A Guide to Good Practise 2001.*
- 📄 *CIRIA 665: Assessing the Risks Posed by Hazardous Ground Gases for Buildings 2007.*
- 📄 *CIRIA 758D: Abandoned Mine Workings Manual.*
- 📄 *Coal Authority: Coal authority mining report and Cheshire brine subsidence report.*
- 📄 *DOE industry profiles.*
- 📄 *Land Contamination Risk Management (LCRM), Guiding Principles for Land Contamination (GPLC) 1 – 3.*
- 📄 *Landmark: Envirocheck report and Envirocheck analysis online historical mapping tool.*
- 📄 *National Planning Policy Framework (NPPF).*
- 📄 *Ordnance survey: OS Landranger map for the area; OS open data online mapping tool.*
- 📄 *UK Specification for Ground Investigation Second Edition 2012.*

APPENDIX A

DRAWINGS



GeoCon Site Investigations Ltd
GeoCon Suite, Arden House,
Shepley Lane Industrial Estate,
Hawk Green, Marple,
Stockport. Greater Manchester
SK6 7JW
Tel: 0161 713 0714
Email: info@geoconsiteinvestigations.com
Web: www.geoconsiteinvestigations.com

PROJECT ID

GSI 2537 Springfield Stables, Tarbock Green

TITLE

Site Location Plan

DRAWING NUMBER

GSI 2537/01

DATE

December 2025

SCALE

N.T.S

DRAWN BY

EW



GeoCon Site Investigations Ltd
GeoCon Suite, Arden House,
Shepley Lane Industrial Estate,
Hawk Green, Marple,
Stockport. Greater Manchester
SK6 7JW
Tel: 0161 713 0714
Email: info@geoconsiteinvestigations.com
Web: www.geoconsiteinvestigations.com

PROJECT ID
GSI 2537 Springfield Stables,
Tarbock Green

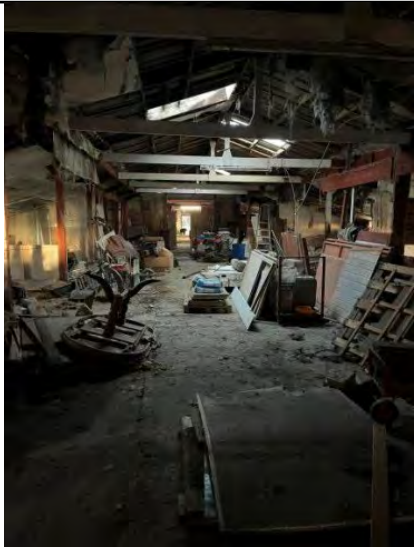
TITLE
Site Photograph Location Plan

**DRAWING
NUMBER**
GSI 2537/02

DATE
December
2025

SCALE
N.T.S

DRAWN BY
EW



1



2



GeoCon Site Investigations Ltd
 GeoCon Suite, Arden House,
 Shepley Lane Industrial Estate,
 Hawk Green, Marple,
 Stockport. Greater Manchester
 SK6 7JW
 Tel: 0161 713 0714
 Email: info@geoconsiteinvestigations.com
 Web: www.geoconsiteinvestigations.com

PROJECT ID
 GSI 2537 Springfield Stables, Tarbock Green

TITLE
 Site Photograph Location Plan

DRAWING NUMBER
 GSI 2537/02a

DATE
 December 2025

SCALE
 N.T.S

DRAWN BY
 EW



3



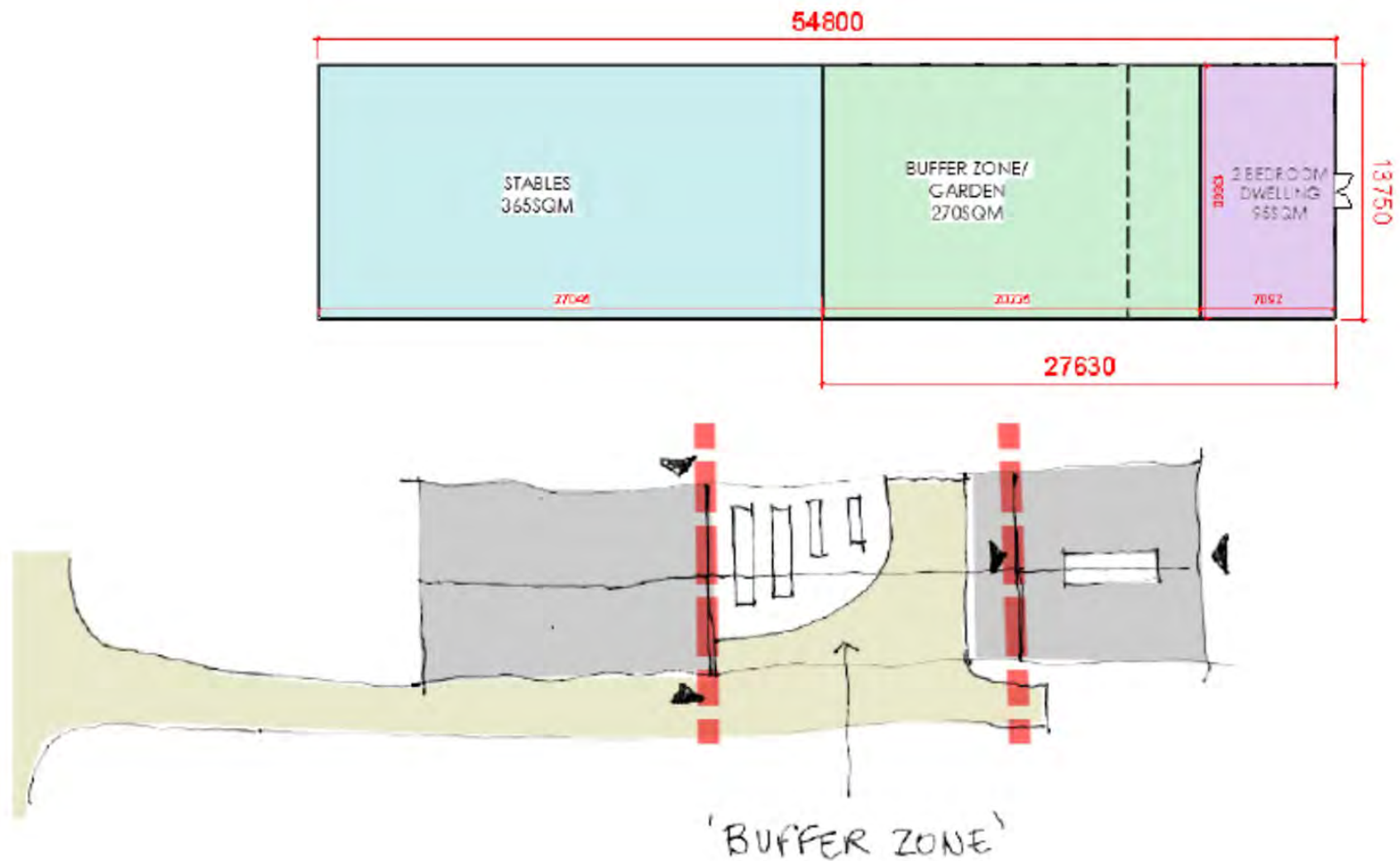
4



GeoCon Site Investigations Ltd
 GeoCon Suite, Arden House,
 Shepley Lane Industrial Estate,
 Hawk Green, Marple,
 Stockport. Greater Manchester
 SK6 7JW
 Tel: 0161 713 0714
 Email: info@geoconsiteinvestigations.com
 Web: www.geoconsiteinvestigations.com

PROJECT ID
GSI 2537 Springfield Stables, Tarbock Green
TITLE
Site Photograph Location Plan

DRAWING NUMBER	SCALE
GSI 2537/02a	N.T.S
DATE	DRAWN BY
December 2025	EW



GeoCon Site Investigations Ltd
 GeoCon Suite, Arden House,
 Shepley Lane Industrial Estate,
 Hawk Green, Marple,
 Stockport. Greater Manchester
 SK6 7JW
 Tel: 0161 713 0714
 Email: info@geoconsiteinvestigations.com
 Web: www.geoconsiteinvestigations.com

PROJECT ID
 GSI 2537 Springfield Stables, Tarbock Green

TITLE
 Proposed Development Plan

DRAWING NUMBER
 GSI 2537/03

DATE
 December 2025

SCALE
 N.T.S

DRAWN BY
 EW

APPENDIX B

**HISTORICAL MAPPING
RECORDS**

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 Borough 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

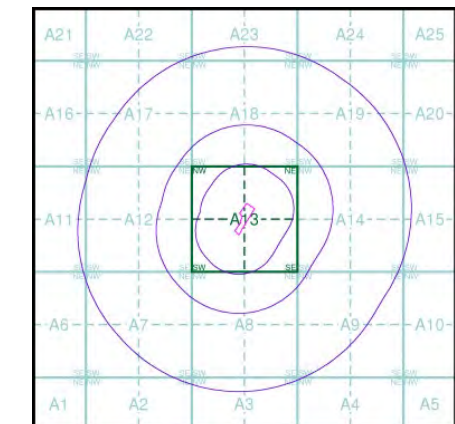
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1849	3
Cheshire	1:10,560	1881	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1896	6
Cheshire	1:10,560	1899	7
Lancashire And Furness	1:10,560	1908	8
Cheshire	1:10,560	1911	9
Cheshire	1:10,560	1911	10
Lancashire And Furness	1:10,560	1928	11
Lancashire And Furness	1:10,560	1928	12
Lancashire And Furness	1:10,560	1938	13
Cheshire	1:10,560	1938	14
Lancashire And Furness	1:10,560	1938	15
Ordnance Survey Plan	1:10,000	1955	16
Ordnance Survey Plan	1:10,000	1967	17
Liverpool	1:10,000	1974	18
Ordnance Survey Plan	1:10,000	1977	19
St Helens	1:10,000	1984	20
Ordnance Survey Plan	1:10,000	1990	21
10K Raster Mapping	1:10,000	1999	22
10K Raster Mapping	1:10,000	2006	23
VectorMap Local	1:10,000	2025	24

Historical Map - Slice A



Order Details

Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale



243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

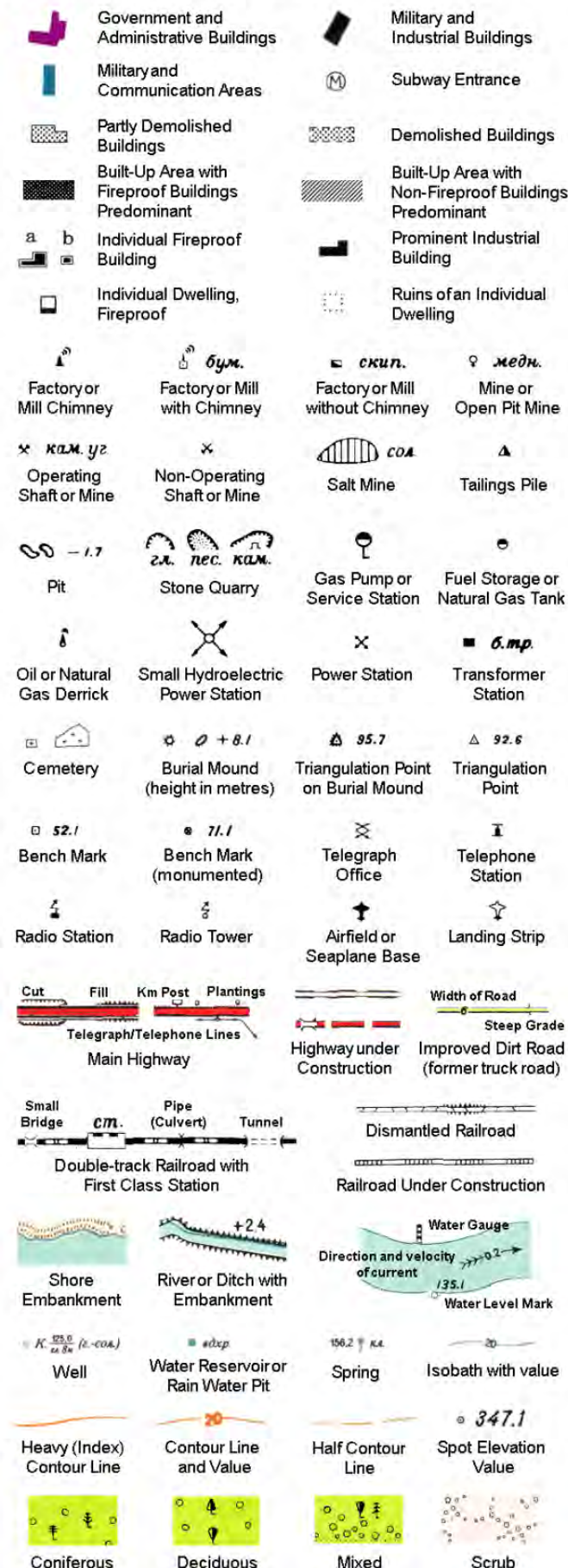
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



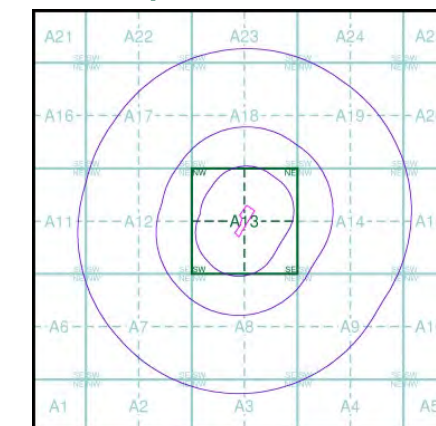
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1849	3
Cheshire	1:10,560	1881	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1896	6
Cheshire	1:10,560	1899	7
Lancashire And Furness	1:10,560	1908	8
Cheshire	1:10,560	1911	9
Cheshire	1:10,560	1911	10
Lancashire And Furness	1:10,560	1928	11
Lancashire And Furness	1:10,560	1928	12
Lancashire And Furness	1:10,560	1938	13
Cheshire	1:10,560	1938	14
Lancashire And Furness	1:10,560	1938	15
Ordnance Survey Plan	1:10,000	1955	16
Ordnance Survey Plan	1:10,000	1967	17
Liverpool	1:10,000	1974	18
Ordnance Survey Plan	1:10,000	1977	19
St Helens	1:10,000	1984	20
Ordnance Survey Plan	1:10,000	1990	21
10K Raster Mapping	1:10,000	1999	22
10K Raster Mapping	1:10,000	2006	23
VectorMap Local	1:10,000	2025	24

Russian Map - Slice A



Order Details

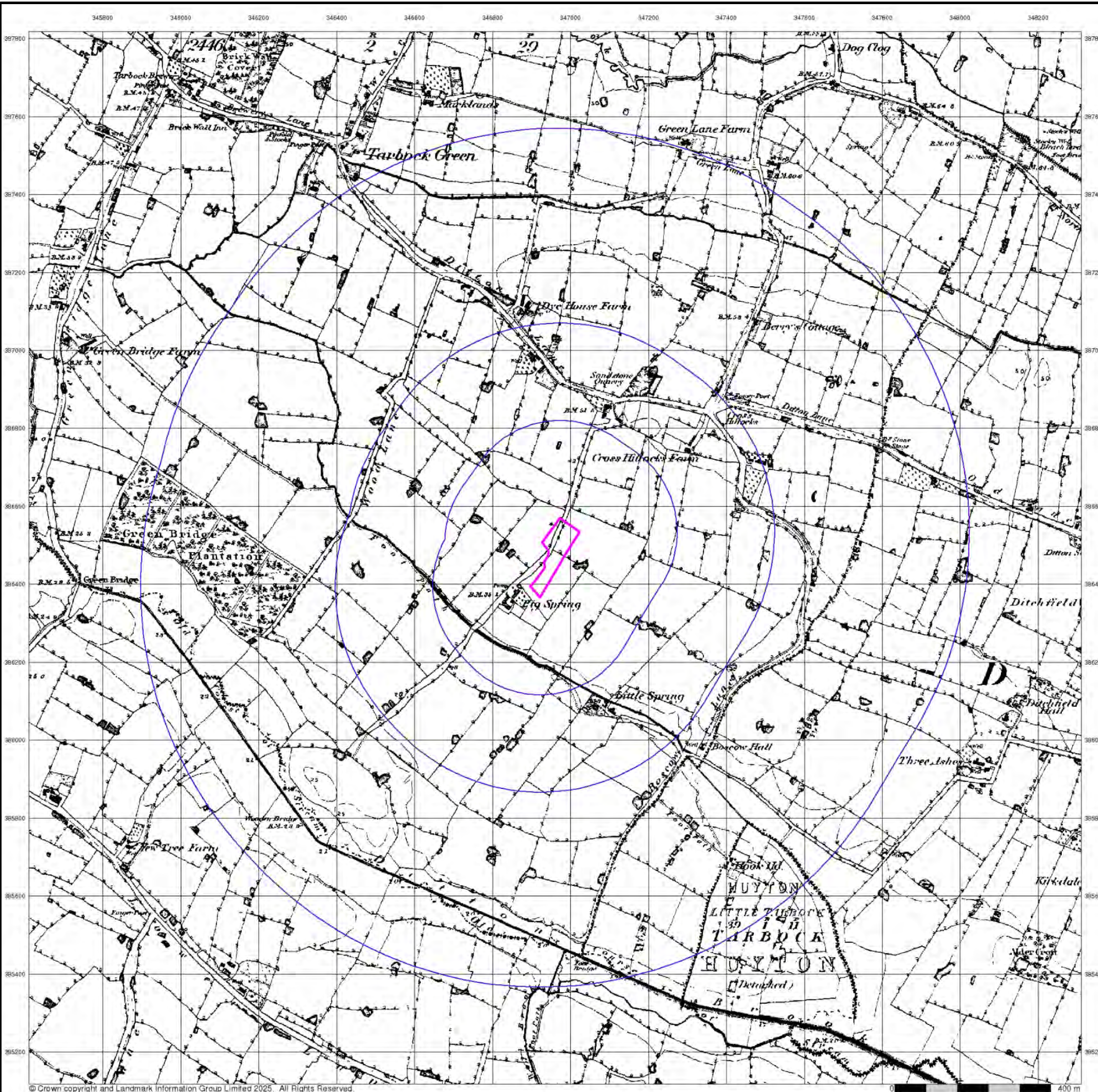
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



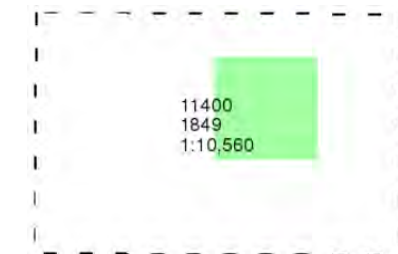
Lancashire And Furness

Published 1849

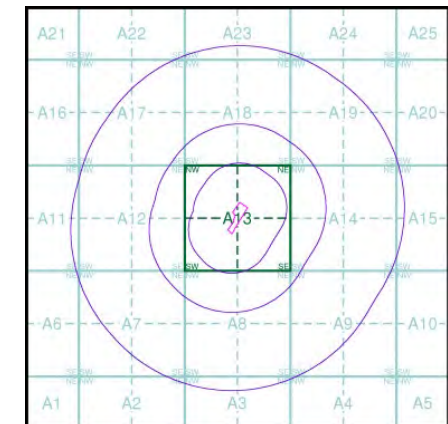
Source map scale - 1:10,560

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

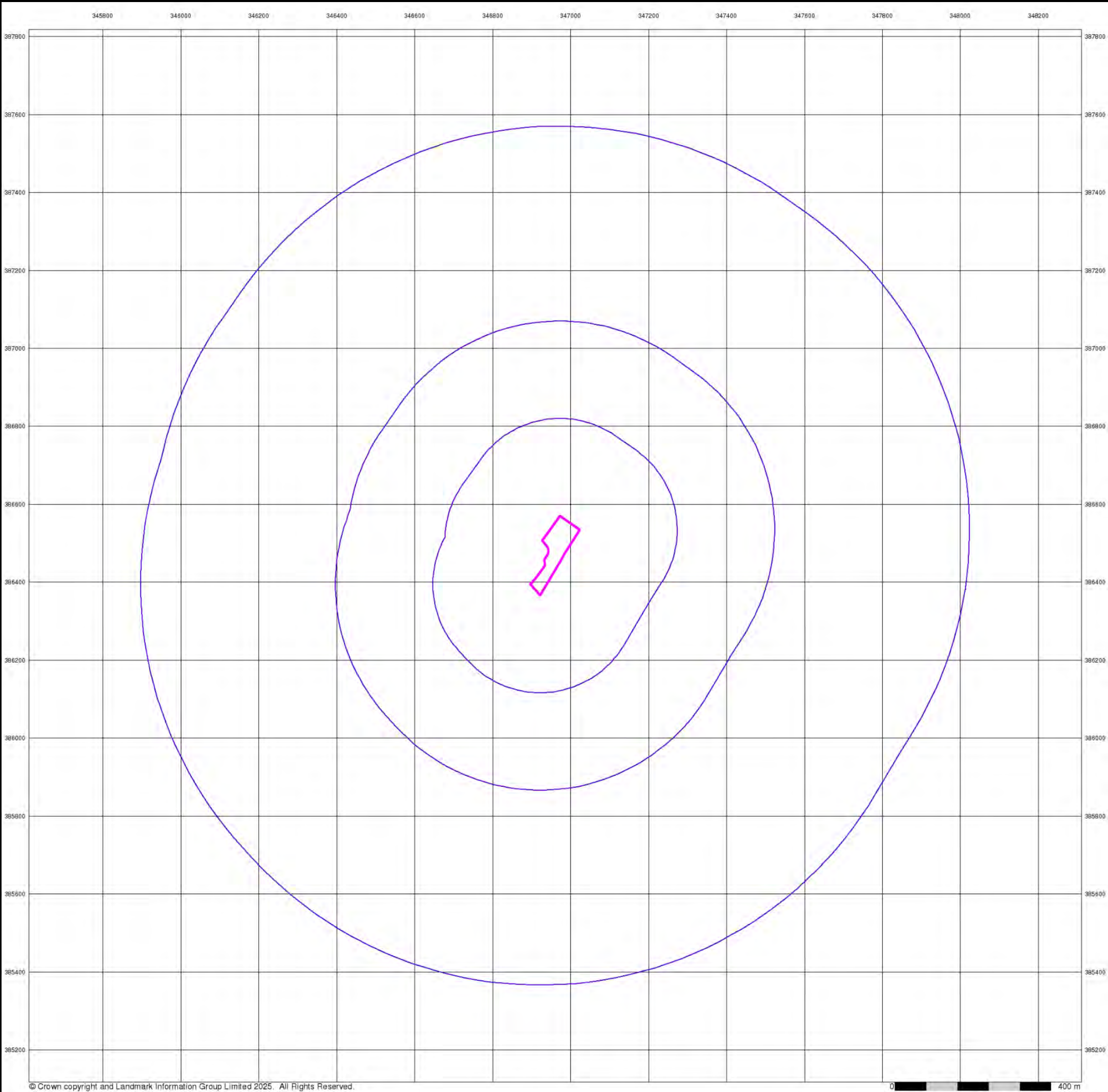
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



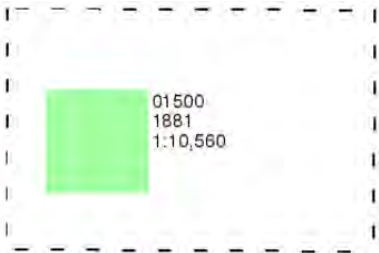
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



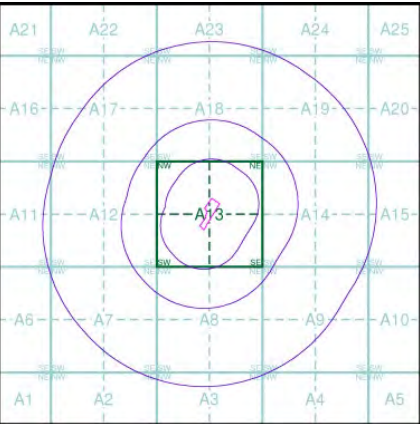
Cheshire
Published 1881
Source map scale - 1:10,560

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

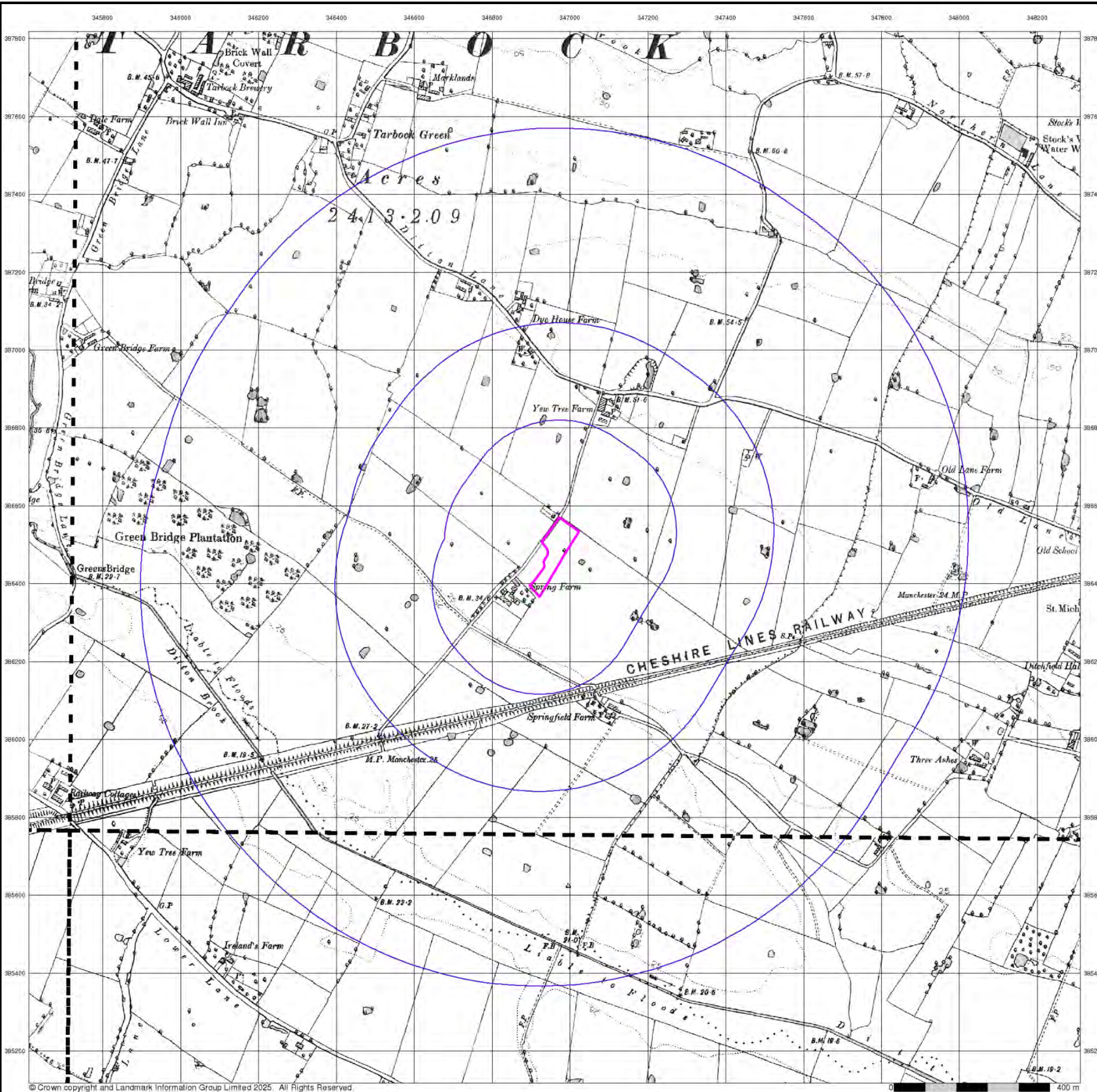
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



Lancashire And Furness

Published 1894

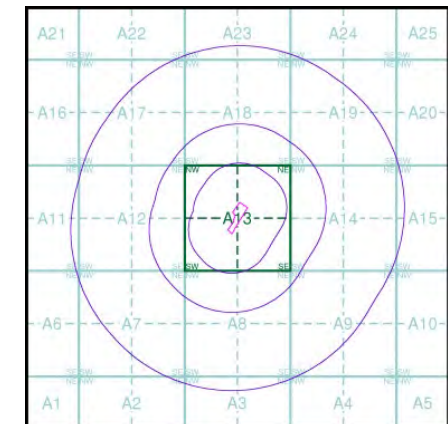
Source map scale - 1:10,560

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)

114NW 1894 1:10,560	114NE 1894 1:10,560
114SW 1894 1:10,560	114SE 1894 1:10,560

Historical Map - Slice A



Order Details

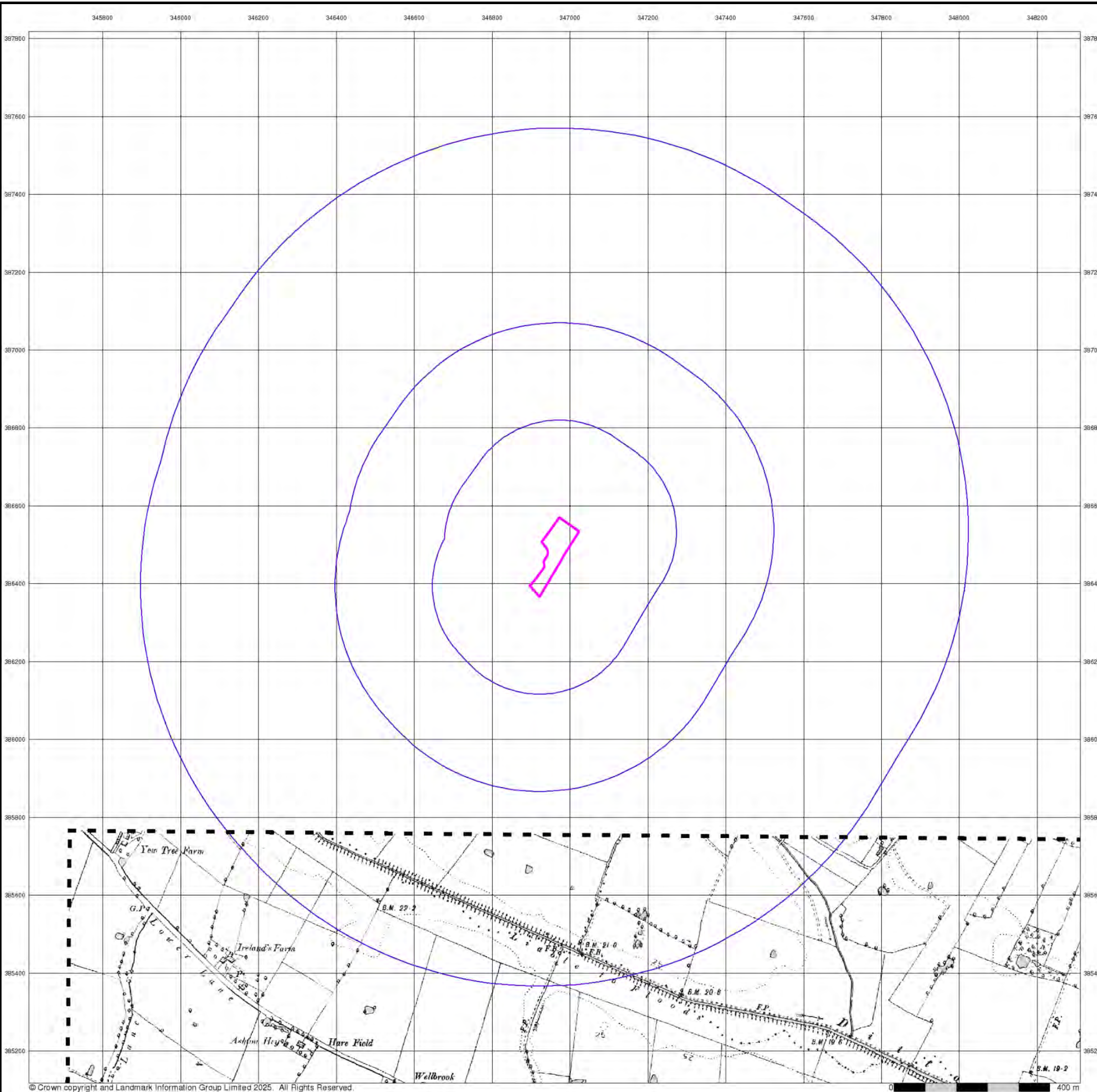
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



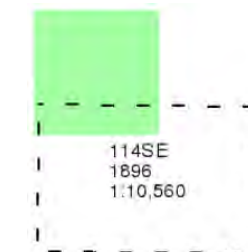
Lancashire And Furness

Published 1896

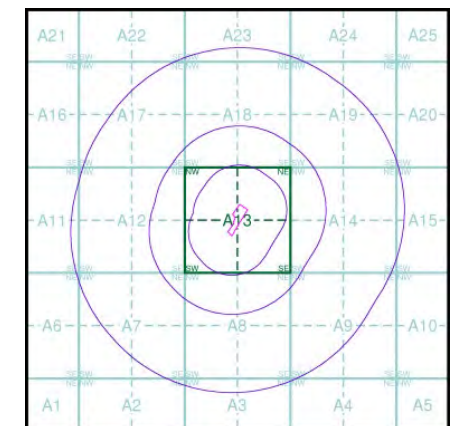
Source map scale - 1:10,560

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

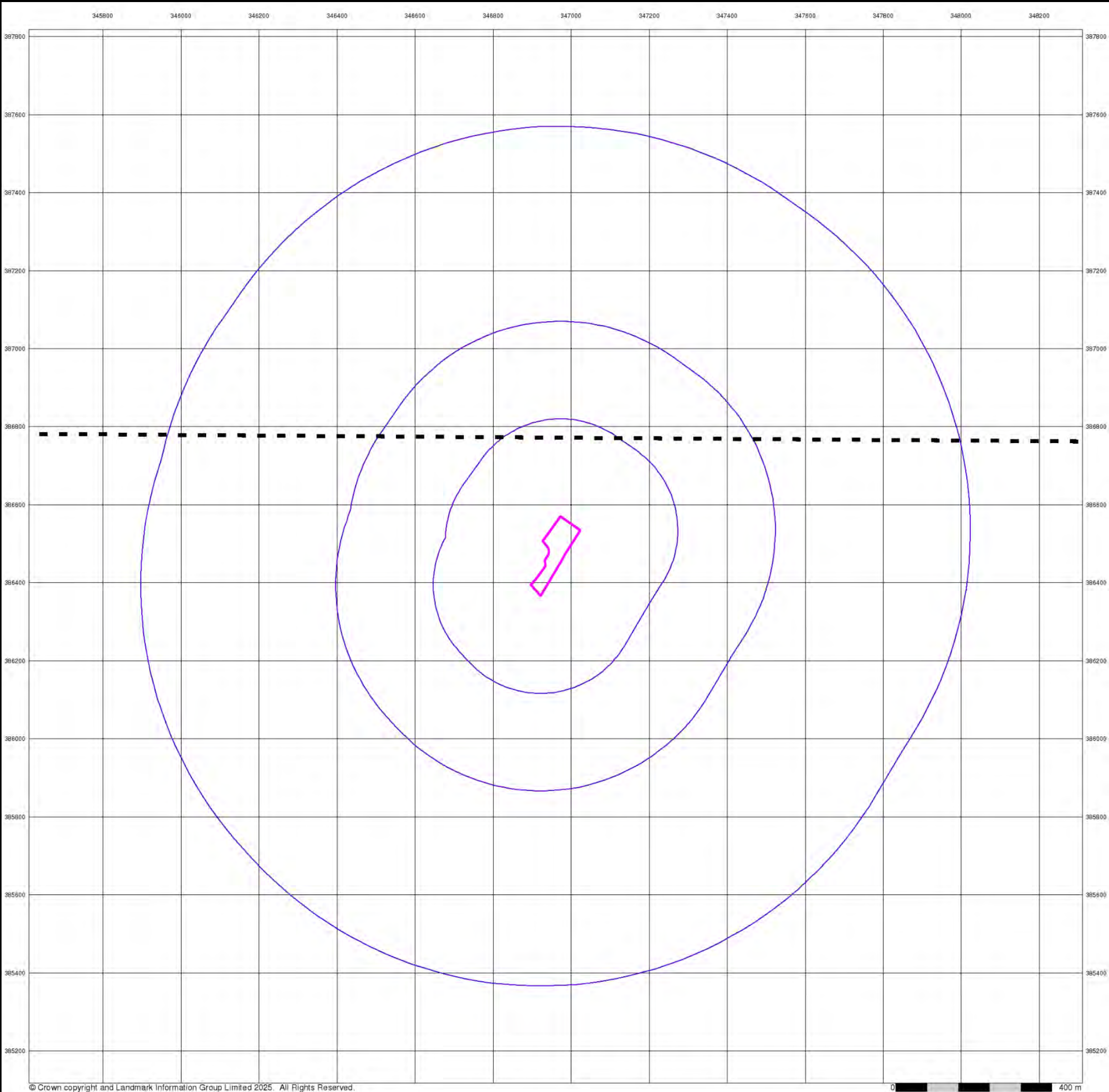
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



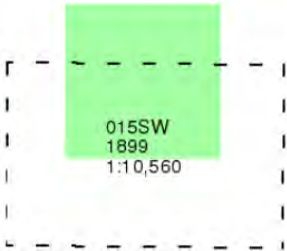
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



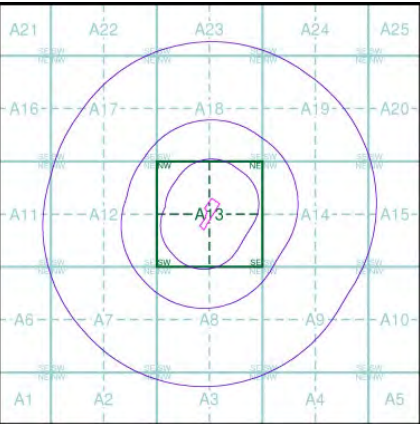
Cheshire
Published 1899
Source map scale - 1:10,560

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: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details
Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Lancashire And Furness

Published 1908

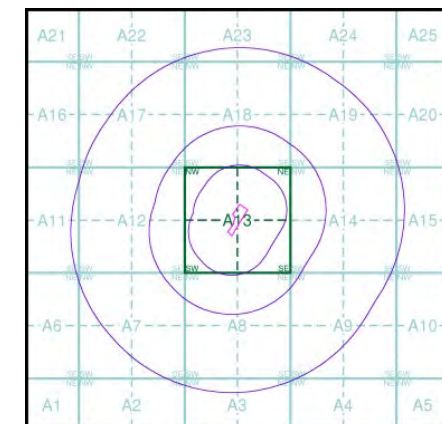
Source map scale - 1:10,560

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)

114NW 1908 1:10,560	114NE 1908 1:10,560
114SW 1908 1:10,560	114SE 1908 1:10,560

Historical Map - Slice A



Order Details

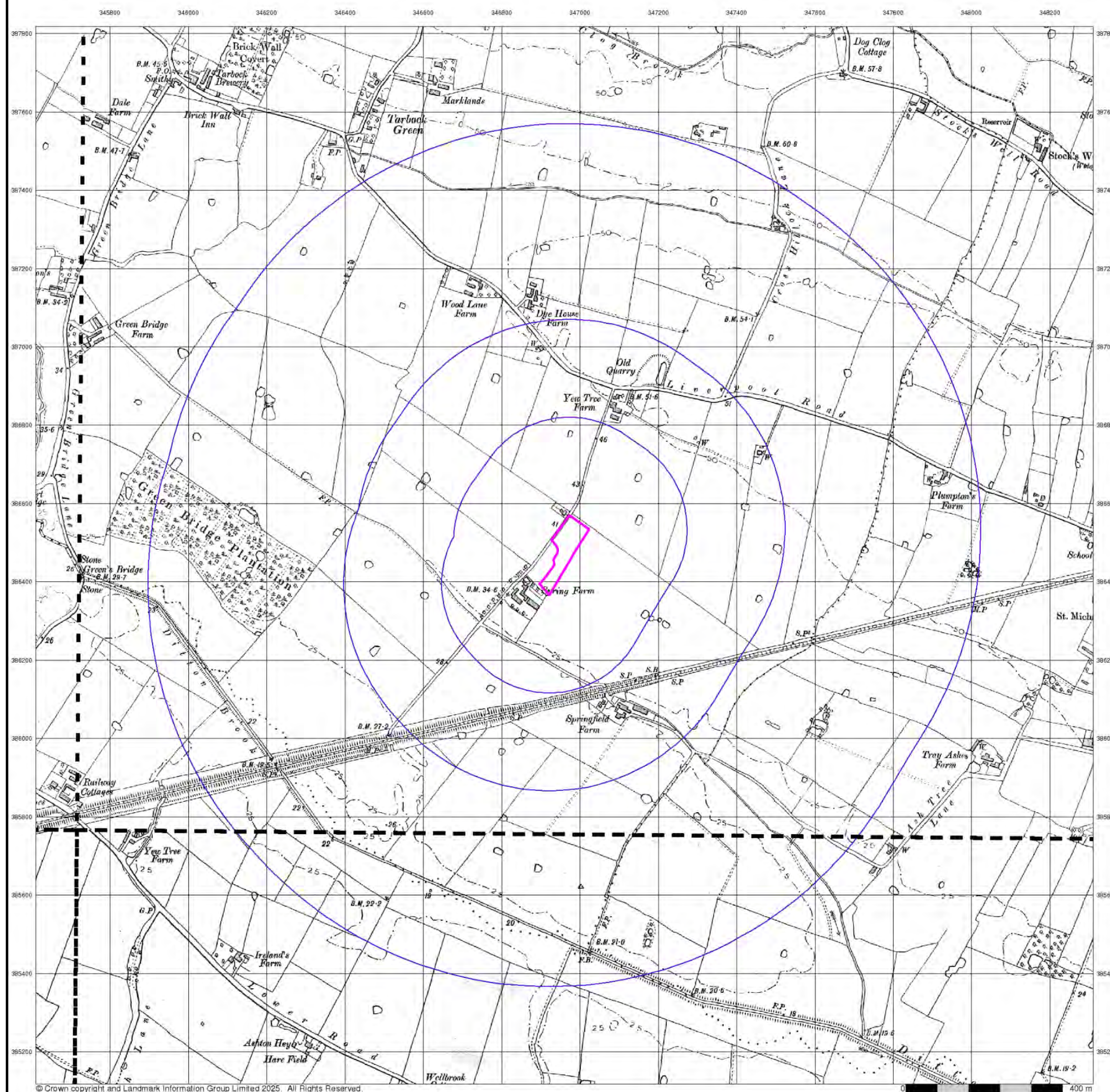
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

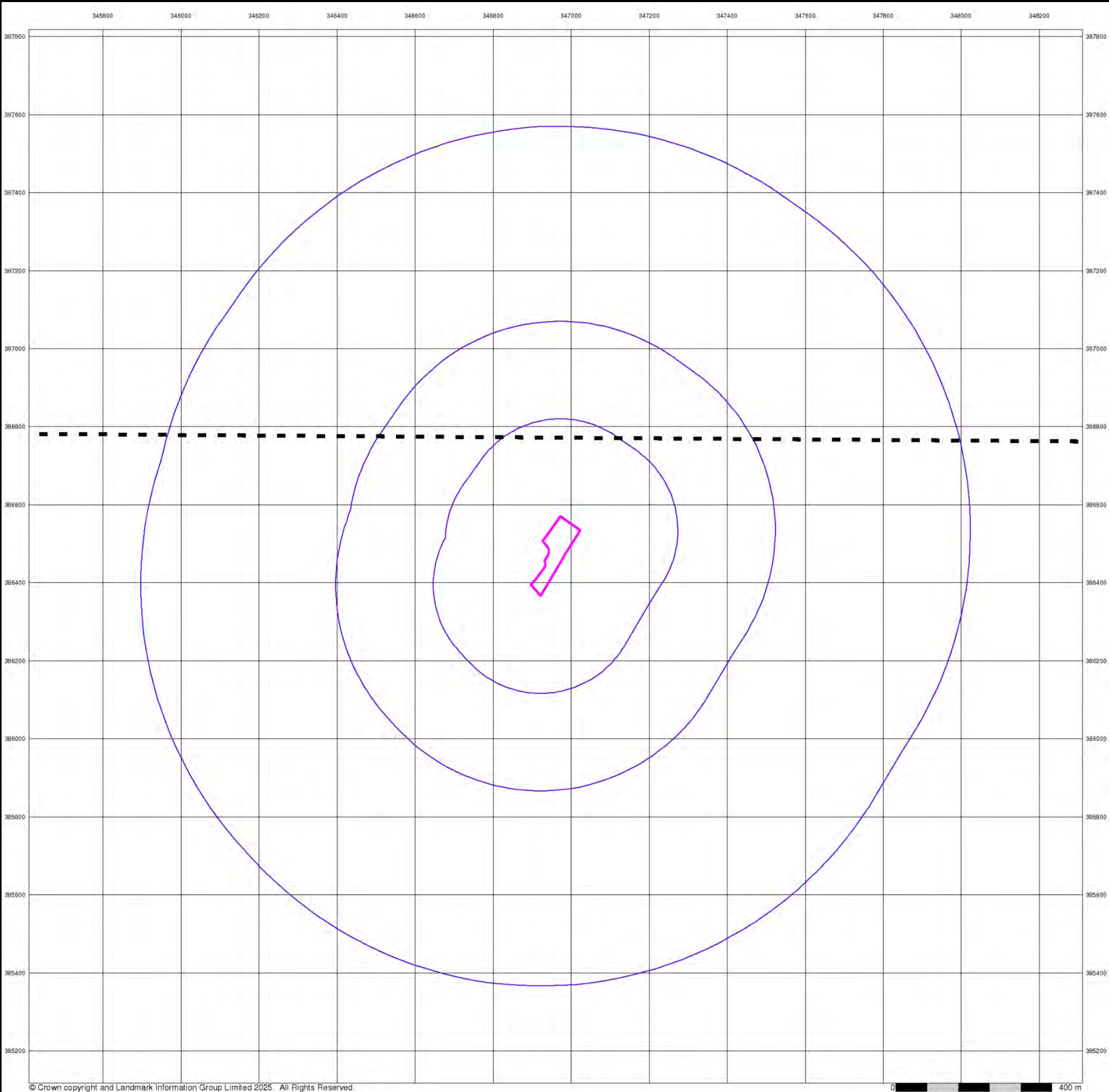
Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

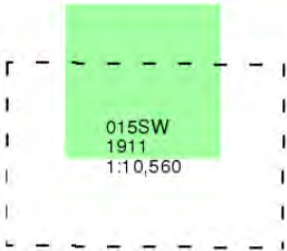




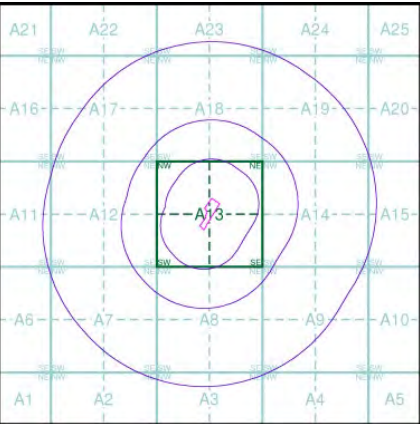
Cheshire
Published 1911
Source map scale - 1:10,560

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)

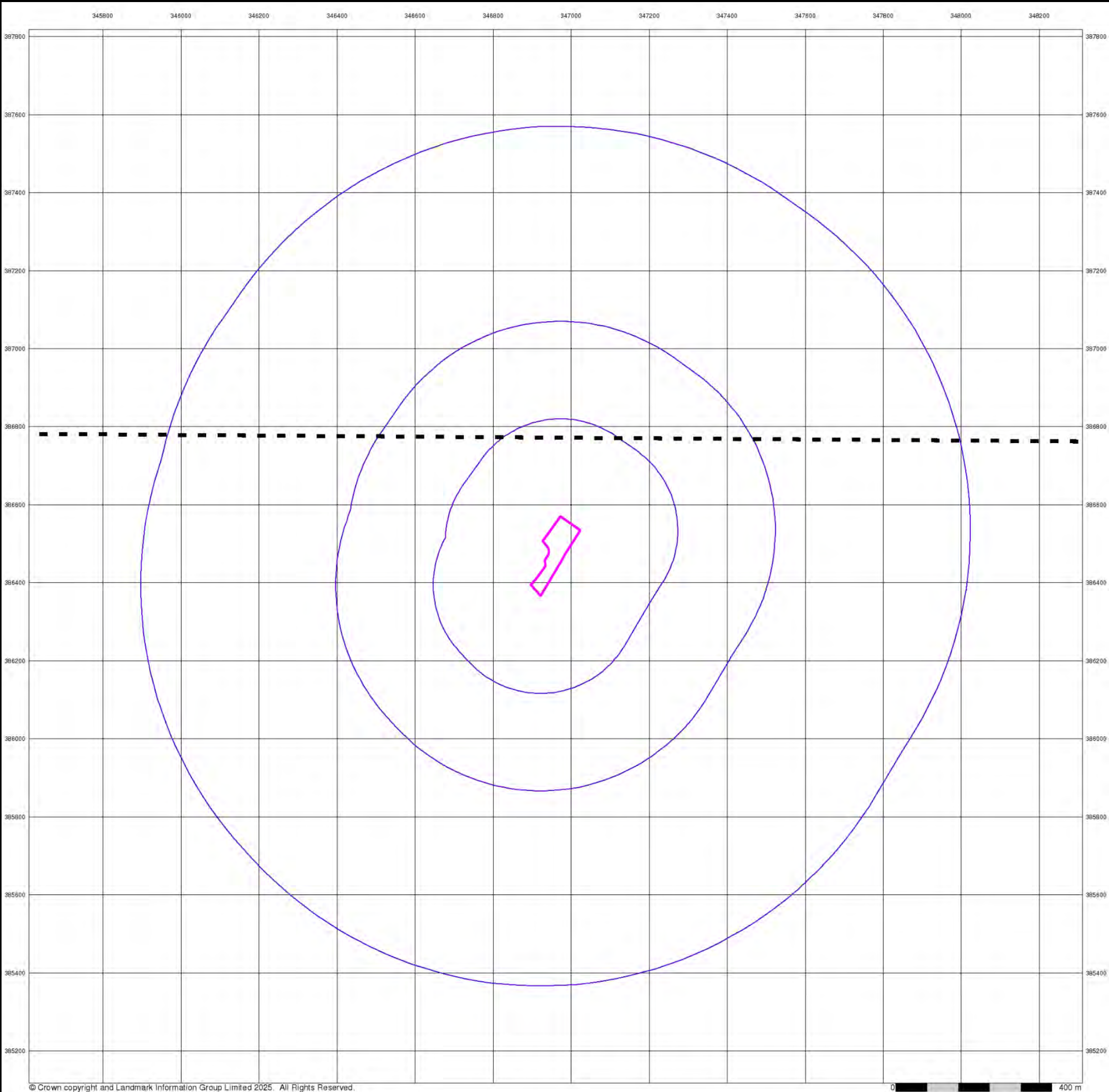


Historical Map - Slice A



Order Details
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

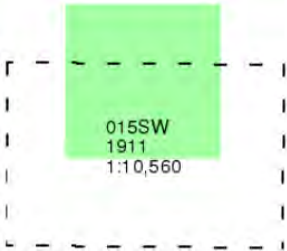
Site Details
Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



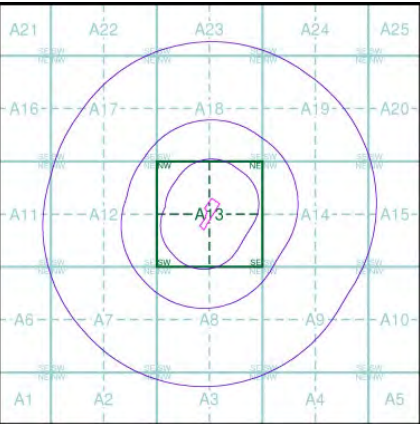
Cheshire
Published 1911
Source map scale - 1:10,560

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: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details
Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Lancashire And Furness

Published 1928

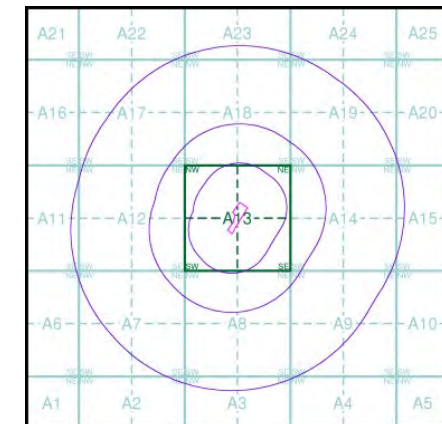
Source map scale - 1:10,560

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)

114NW 1928 1:10,560	114NE 1928 1:10,560
114SW 1928 1:10,560	114SE 1928 1:10,560

Historical Map - Slice A



Order Details

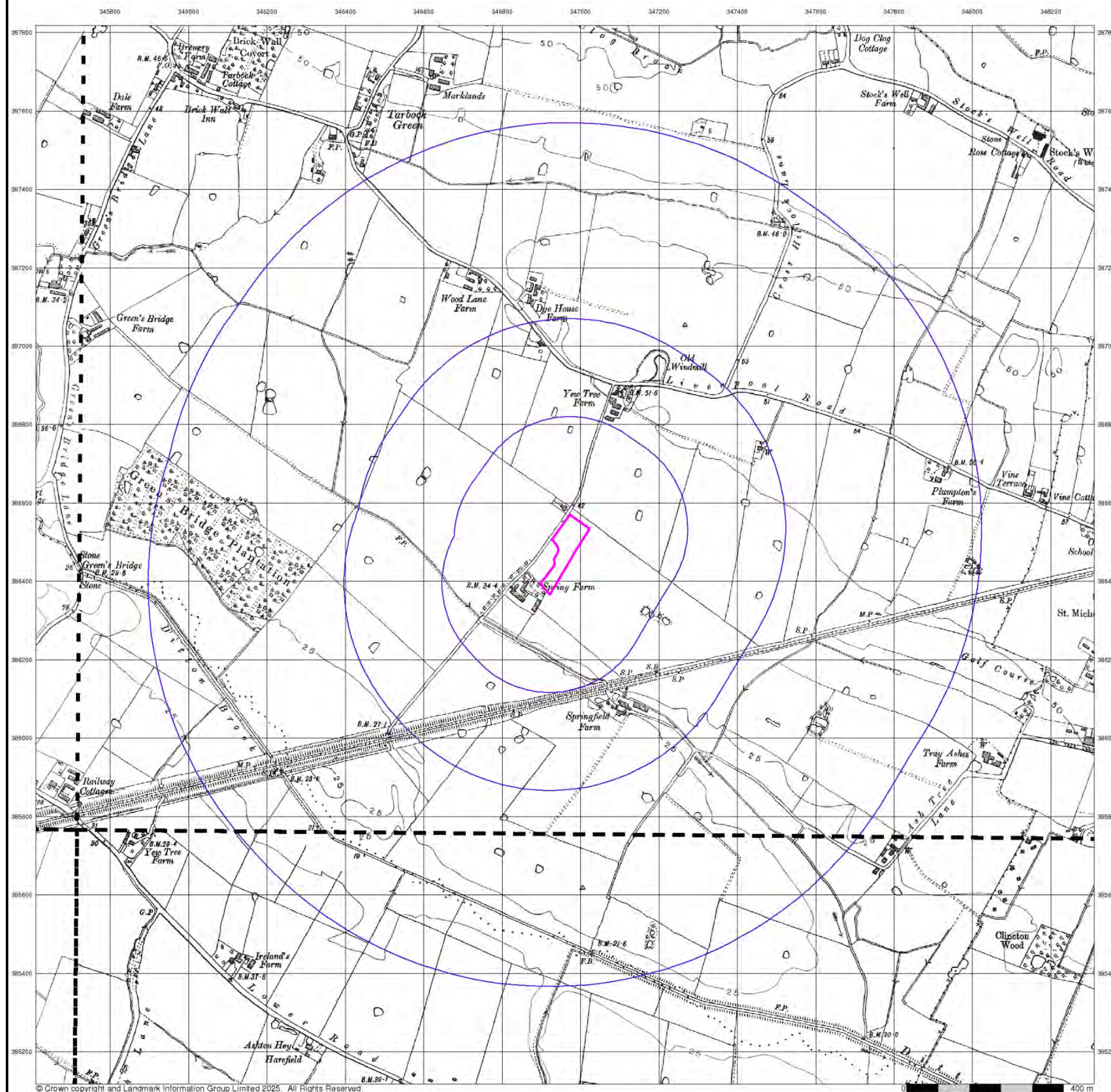
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

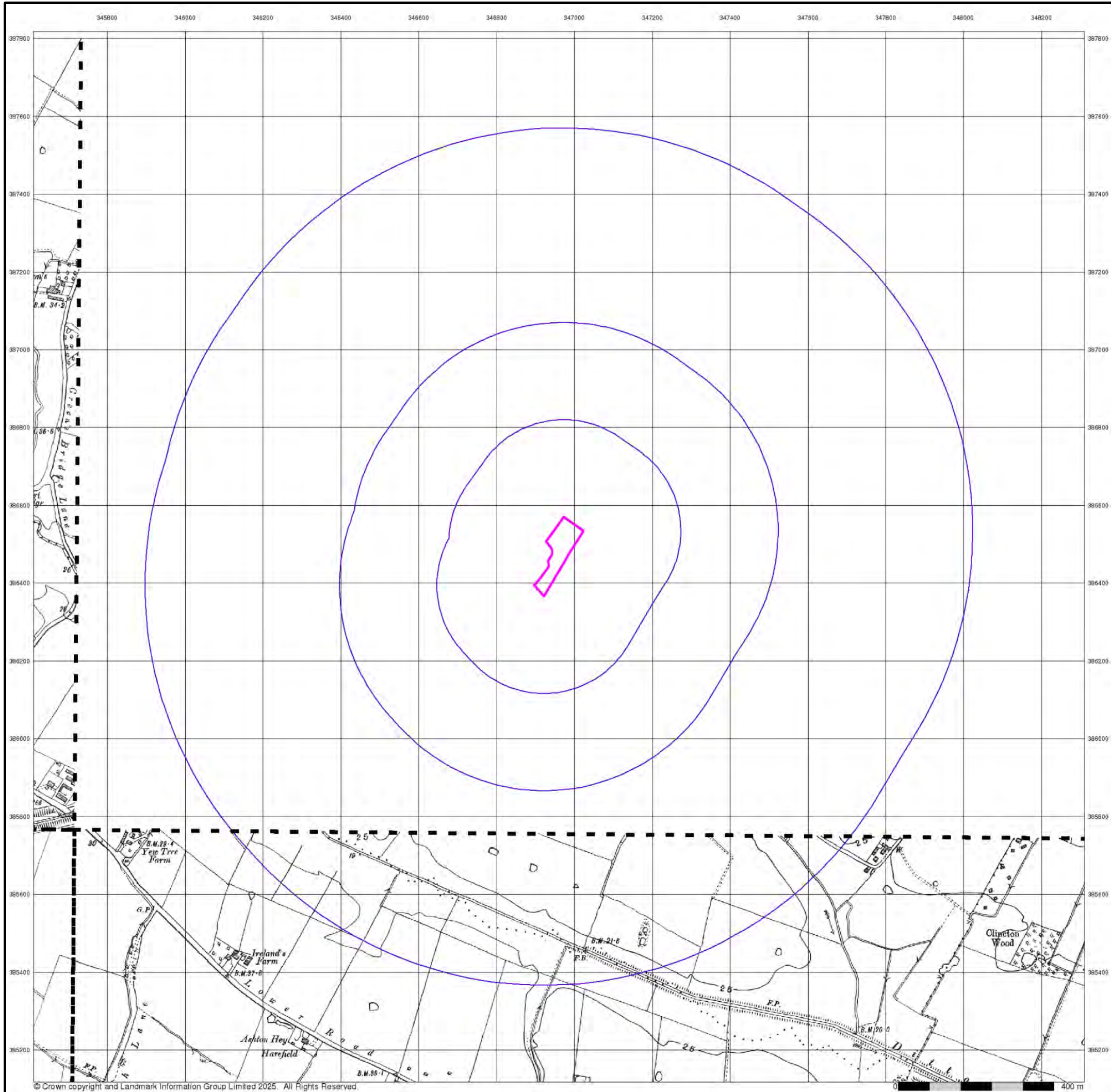
Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk





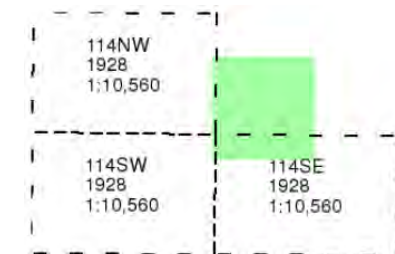
Lancashire And Furness

Published 1928

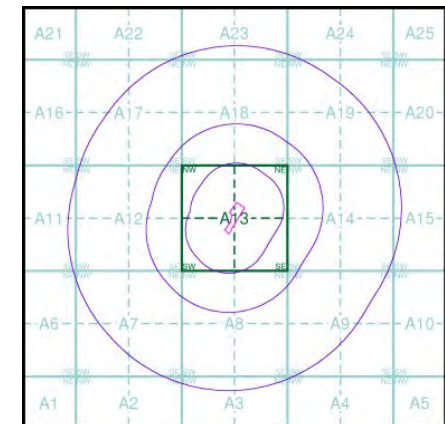
Source map scale - 1:10,560

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: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Lancashire And Furness

Published 1938

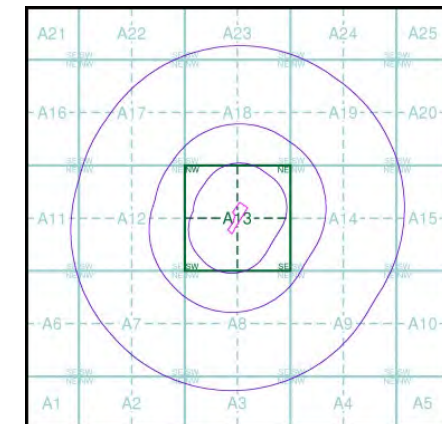
Source map scale - 1:10,560

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)

114NW 1938 1:10,560	114NE 1938 1:10,560
114SW 1938 1:10,560	114SE 1938 1:10,560

Historical Map - Slice A



Order Details

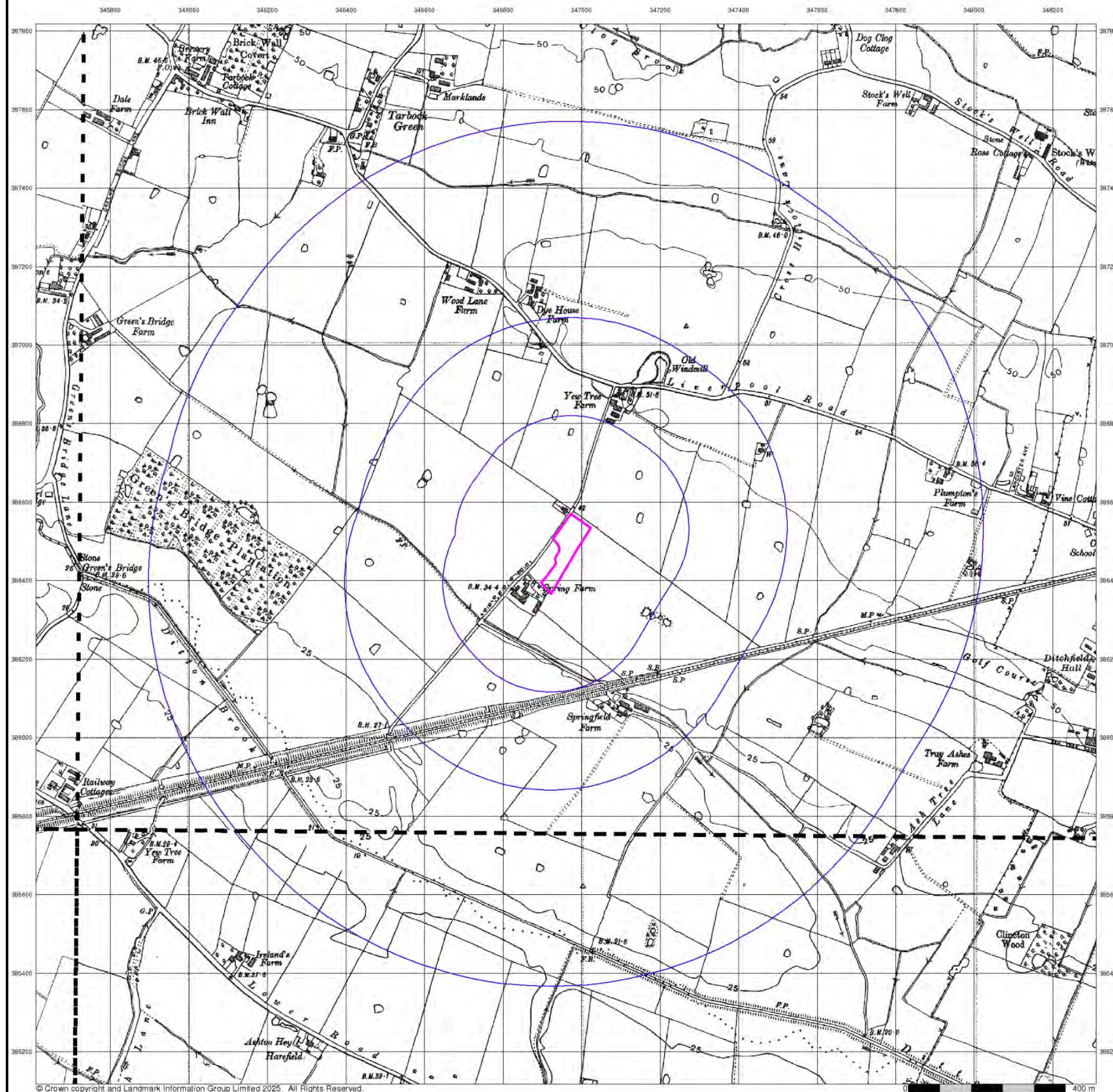
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

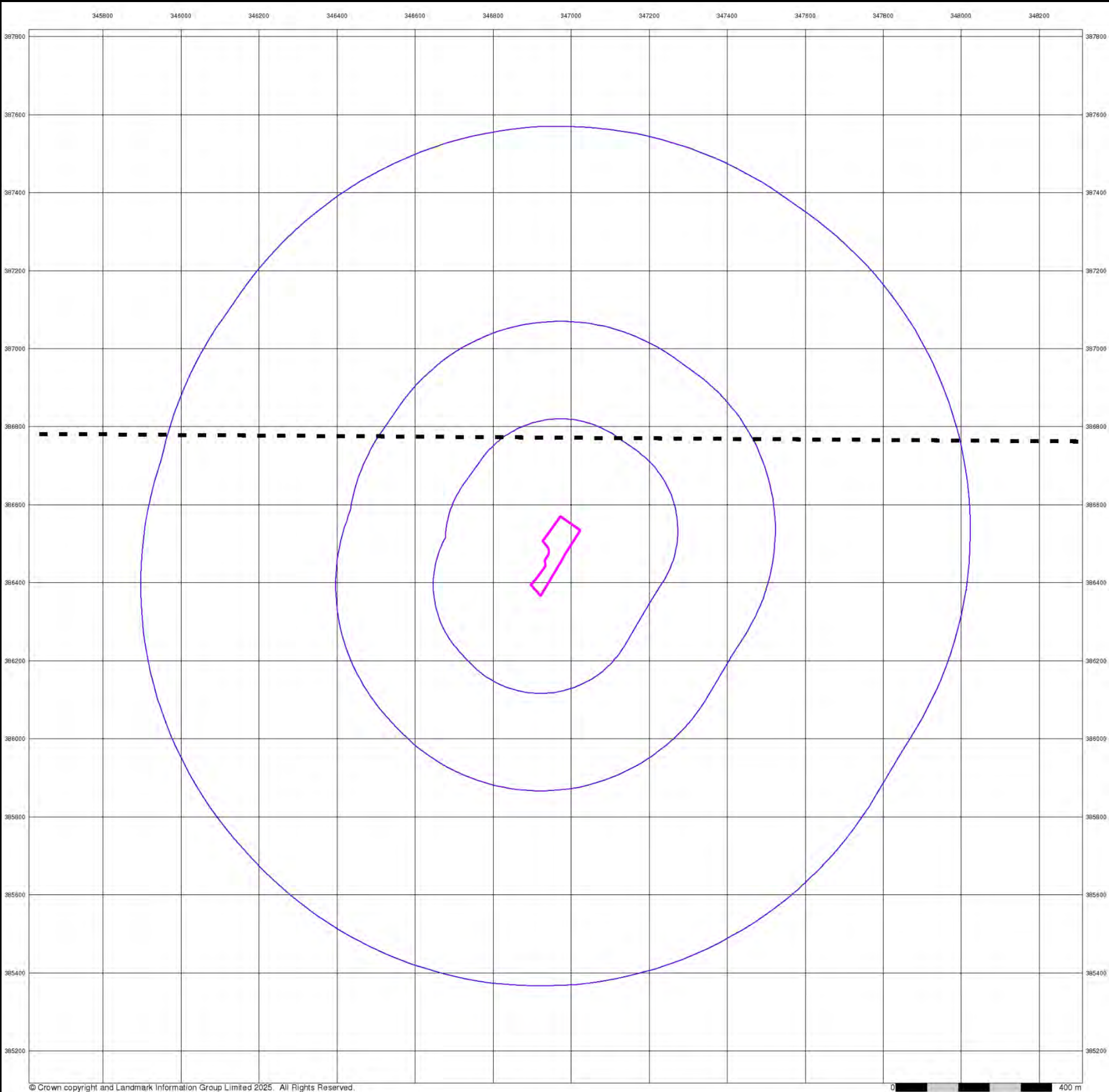
Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

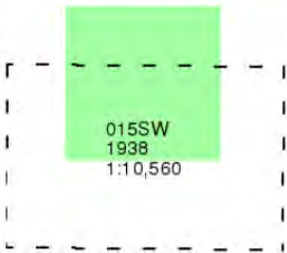




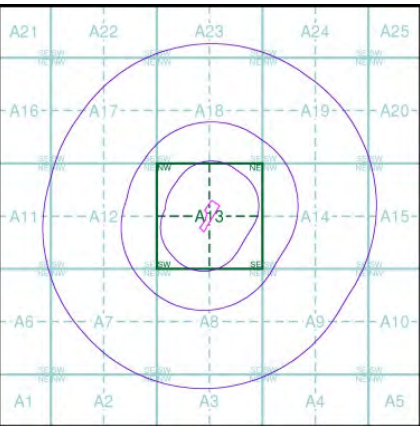
Cheshire
Published 1938
Source map scale - 1:10,560

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)

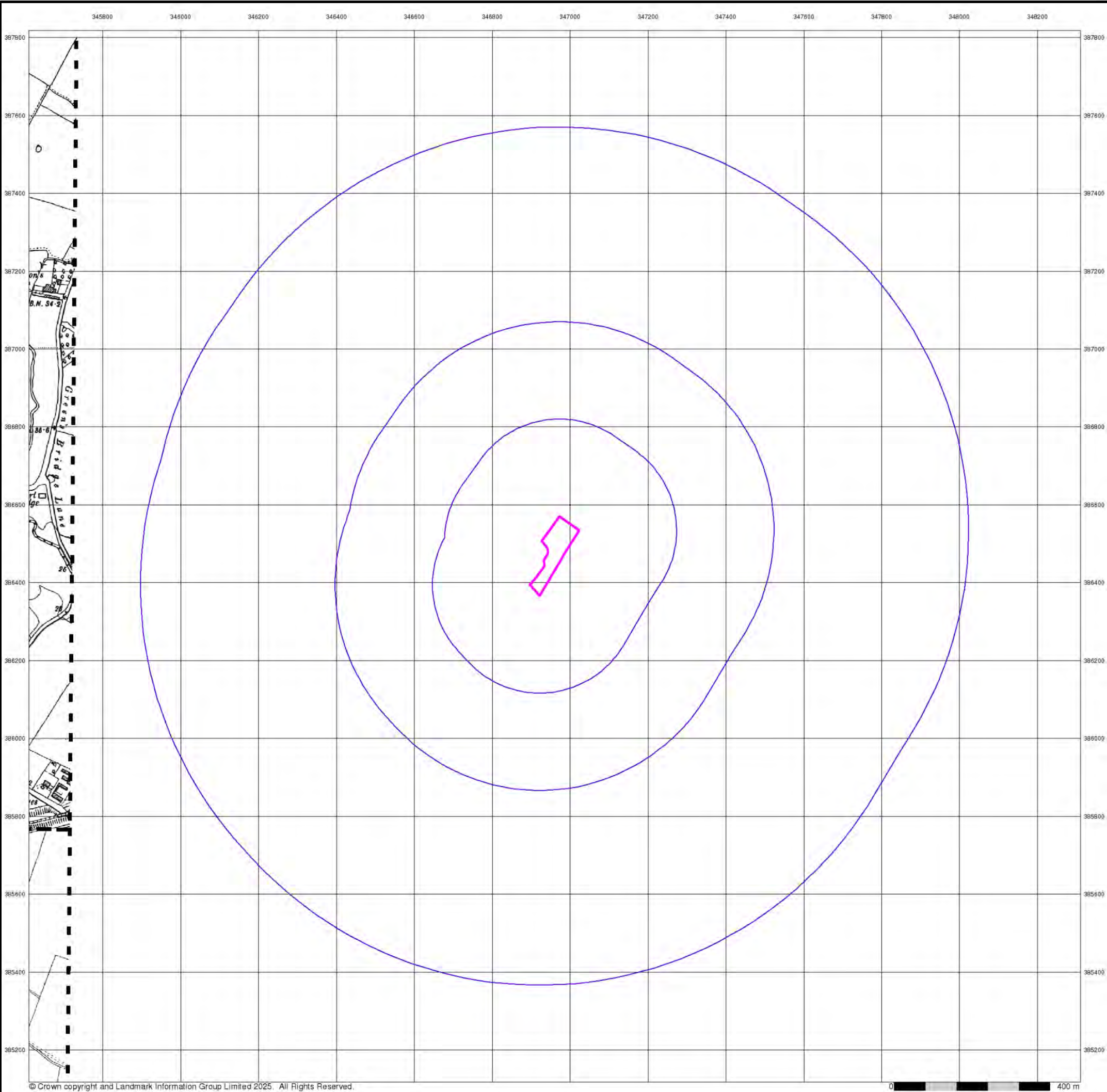


Historical Map - Slice A



Order Details
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details
Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



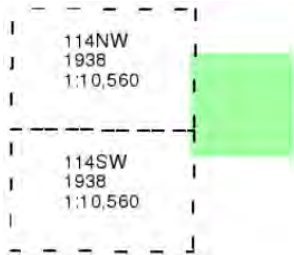
Lancashire And Furness

Published 1938

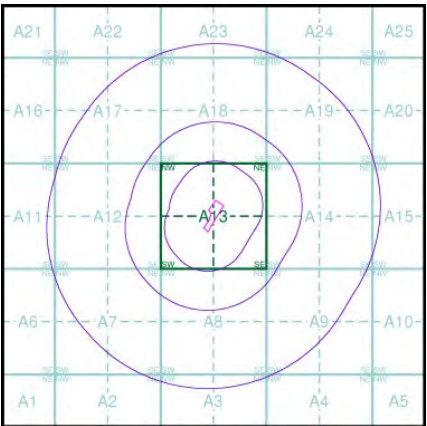
Source map scale - 1:10,560

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

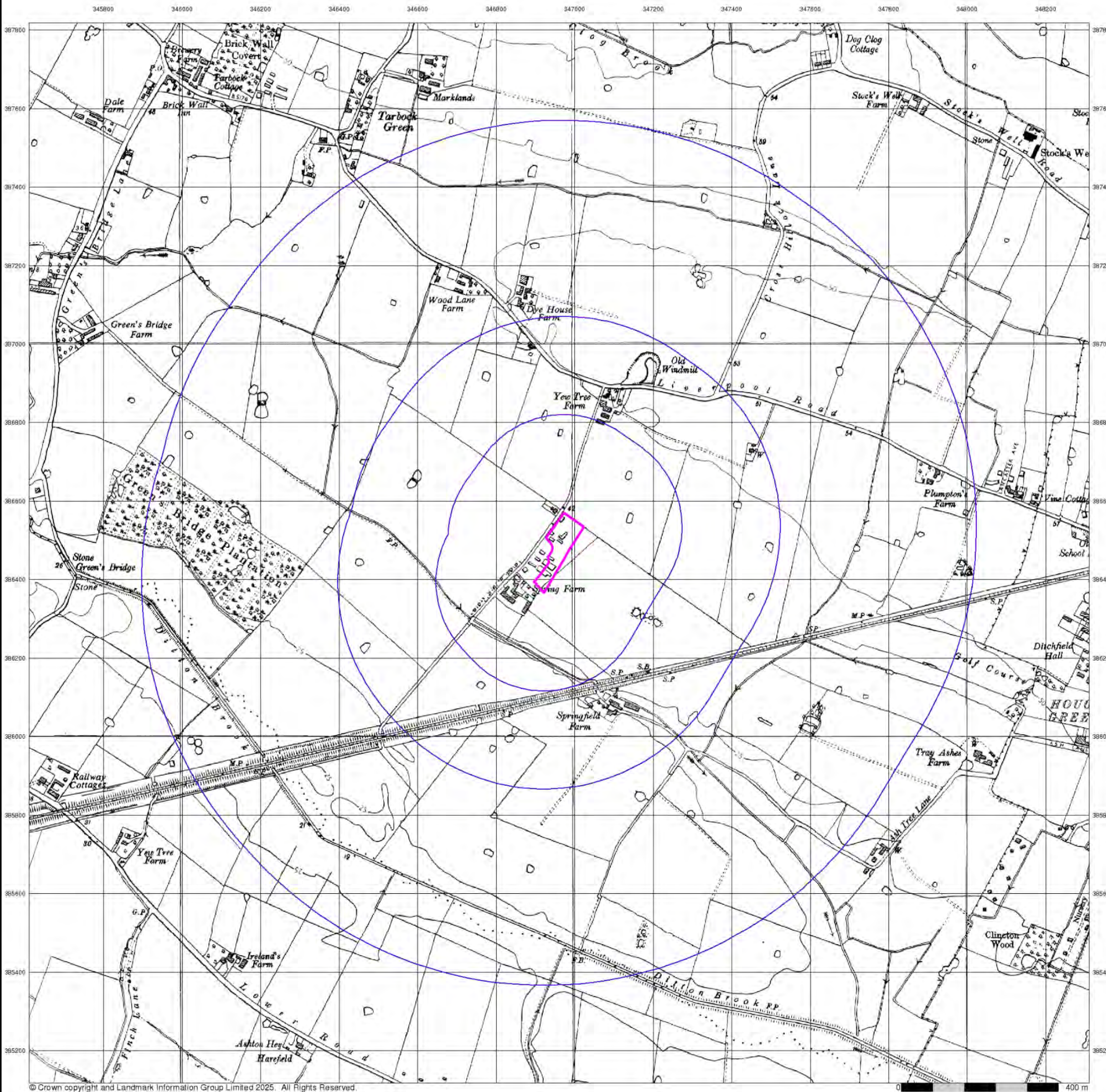
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



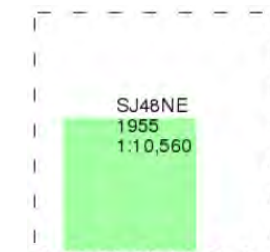
Ordnance Survey Plan

Published 1955

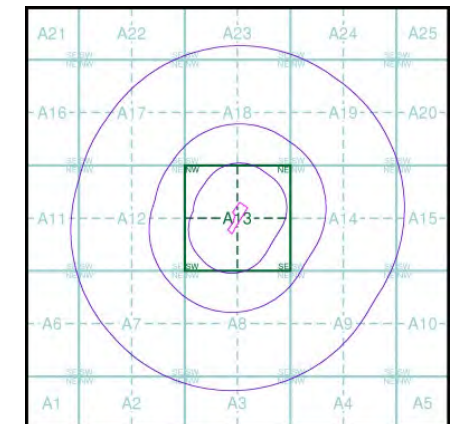
Source map scale - 1:10,000

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

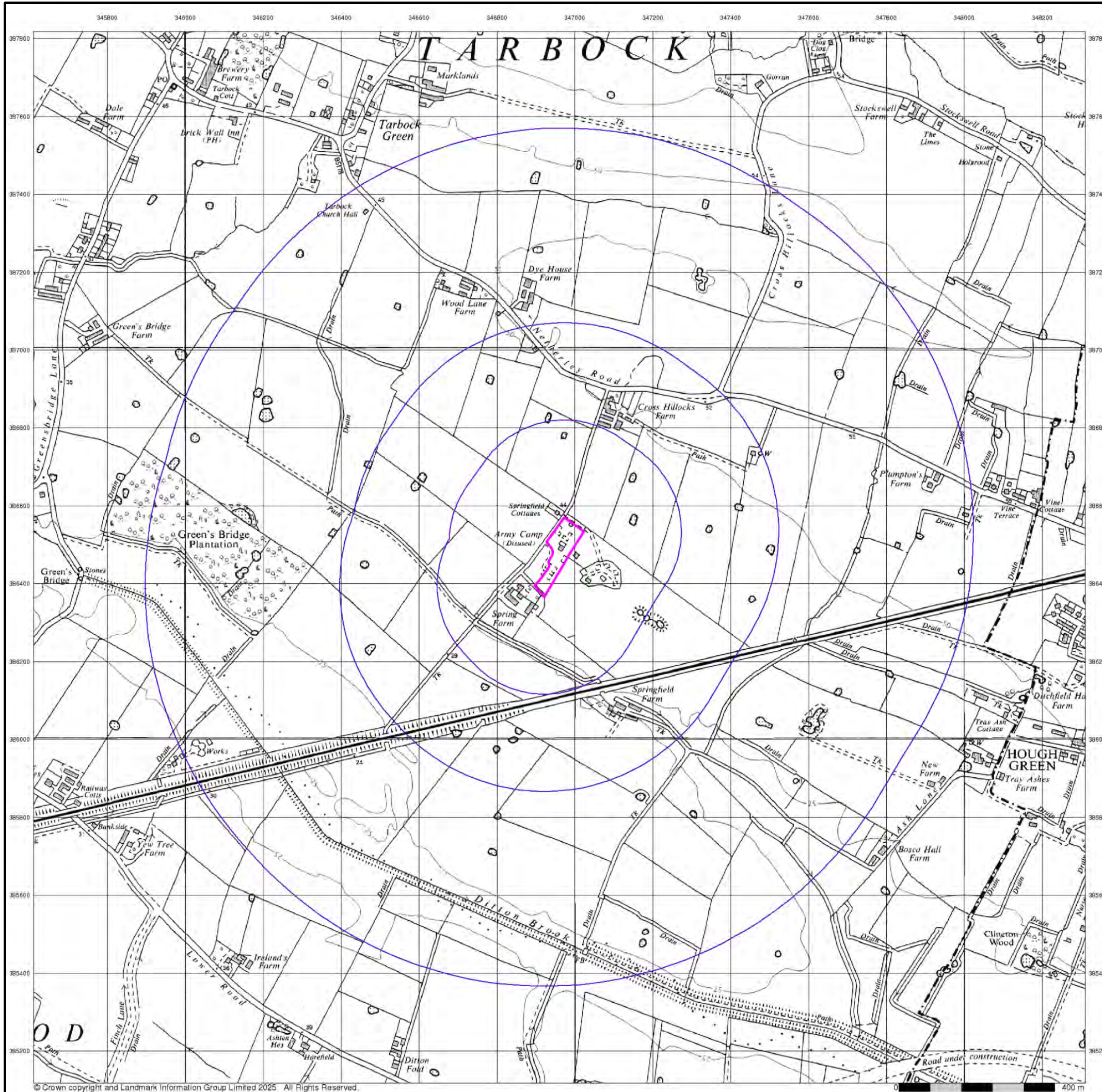
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



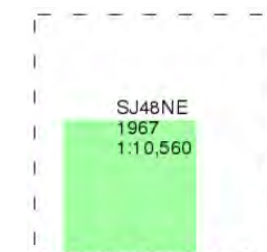
Ordnance Survey Plan

Published 1967

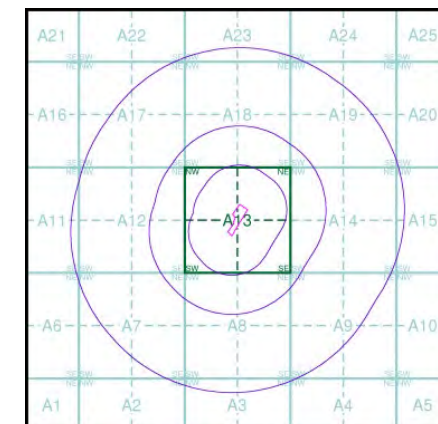
Source map scale - 1:10,000

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

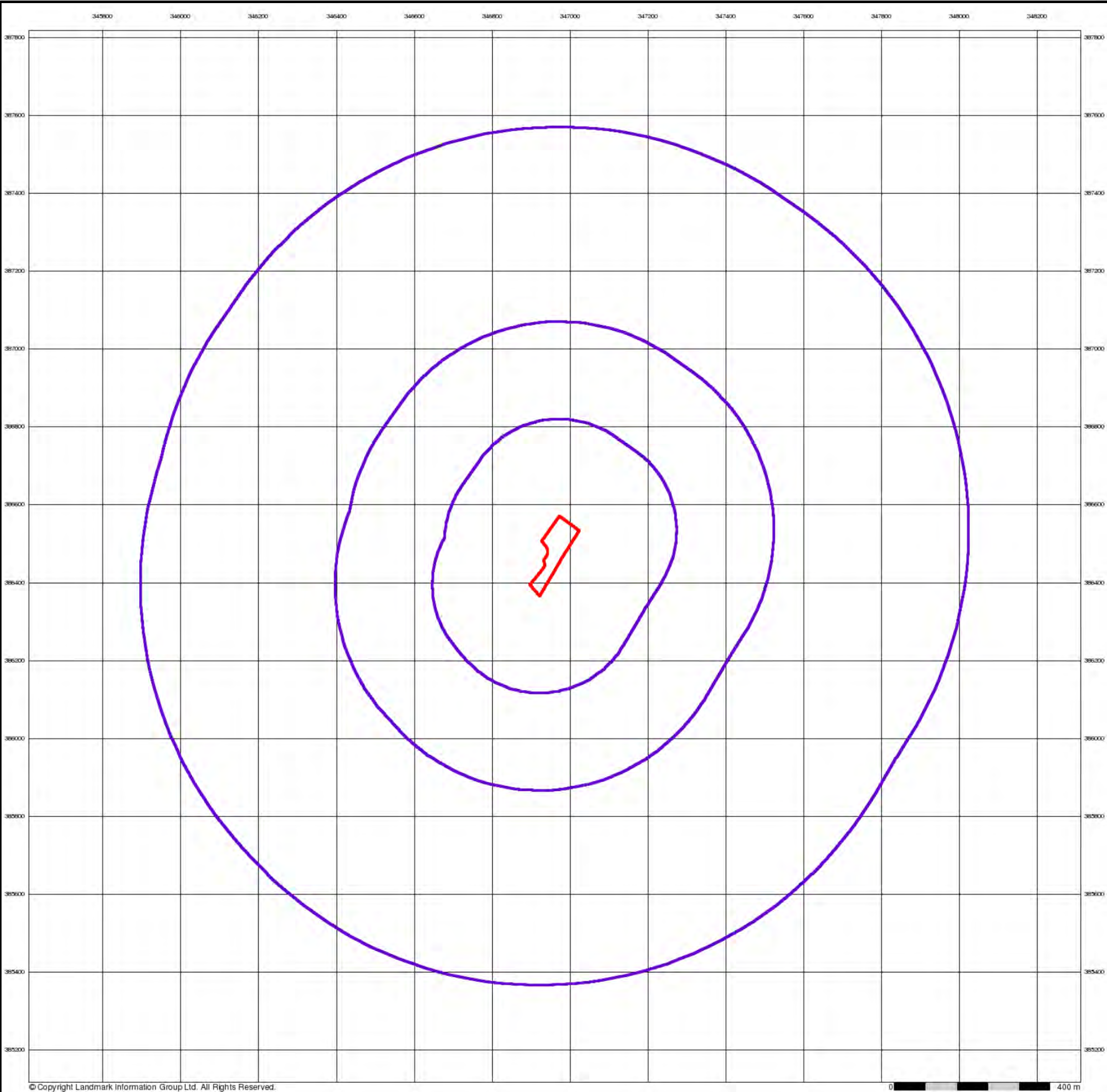
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Copyright Landmark Information Group Ltd. All Rights Reserved.



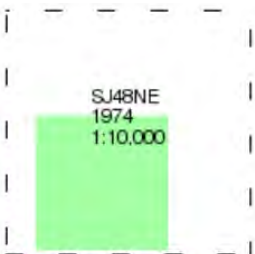
Liverpool

Published 1974

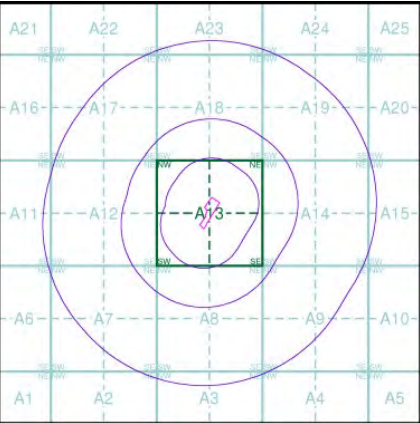
Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

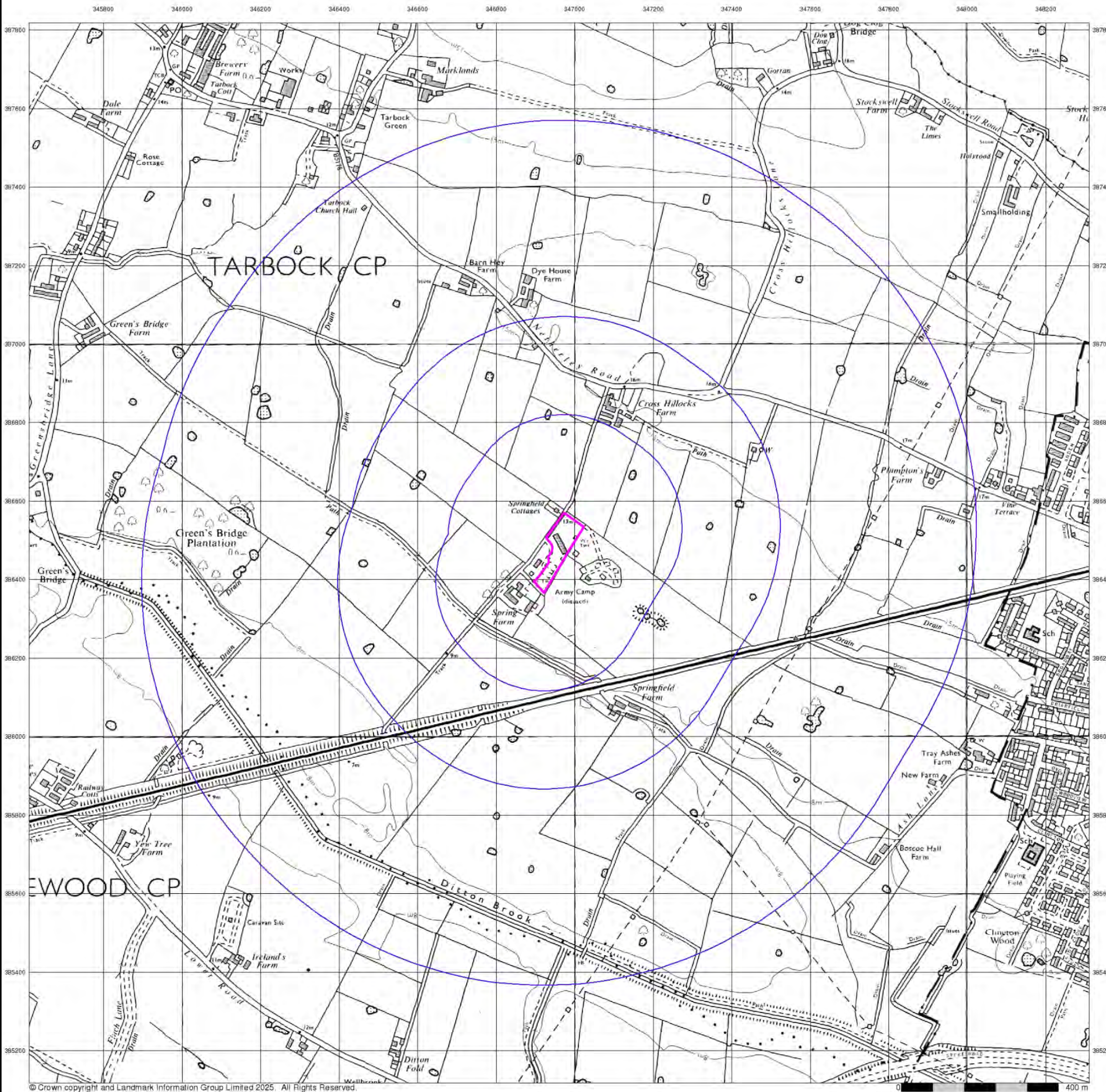
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



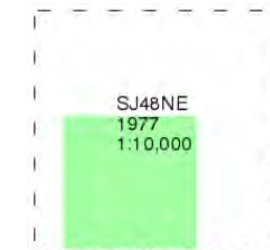
Ordnance Survey Plan

Published 1977

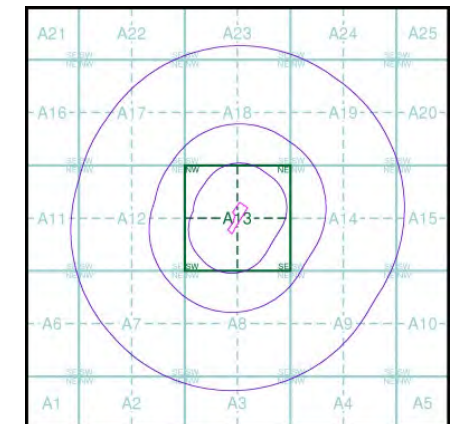
Source map scale - 1:10,000

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

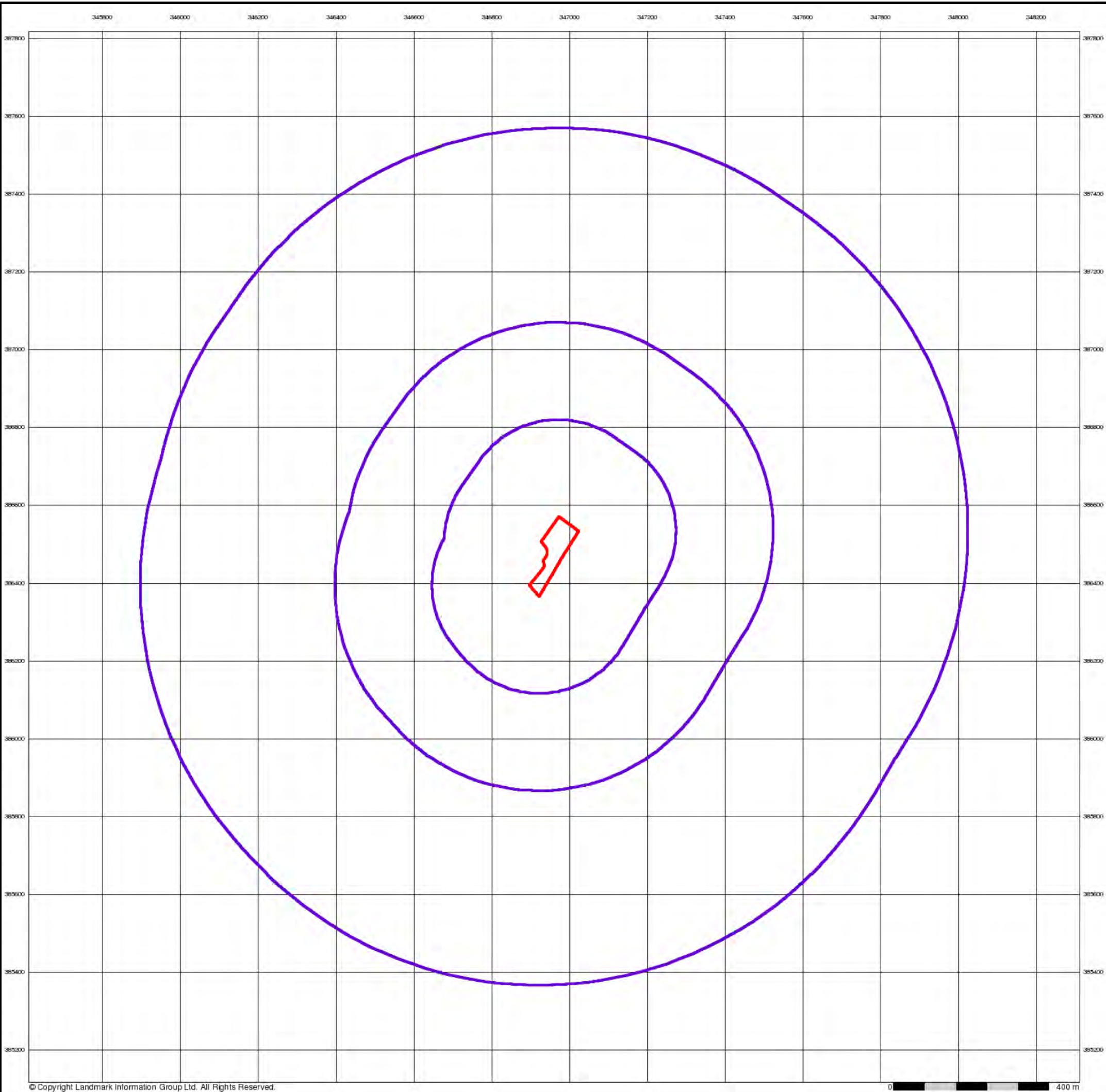
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Copyright Landmark Information Group Ltd. All Rights Reserved.



St Helens

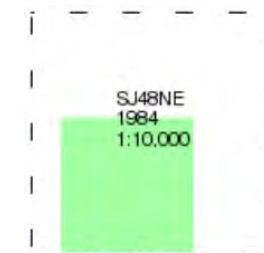
Published 1984

Source map scale - 1:10,000

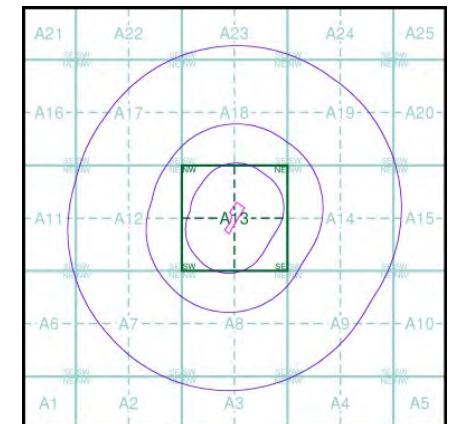
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

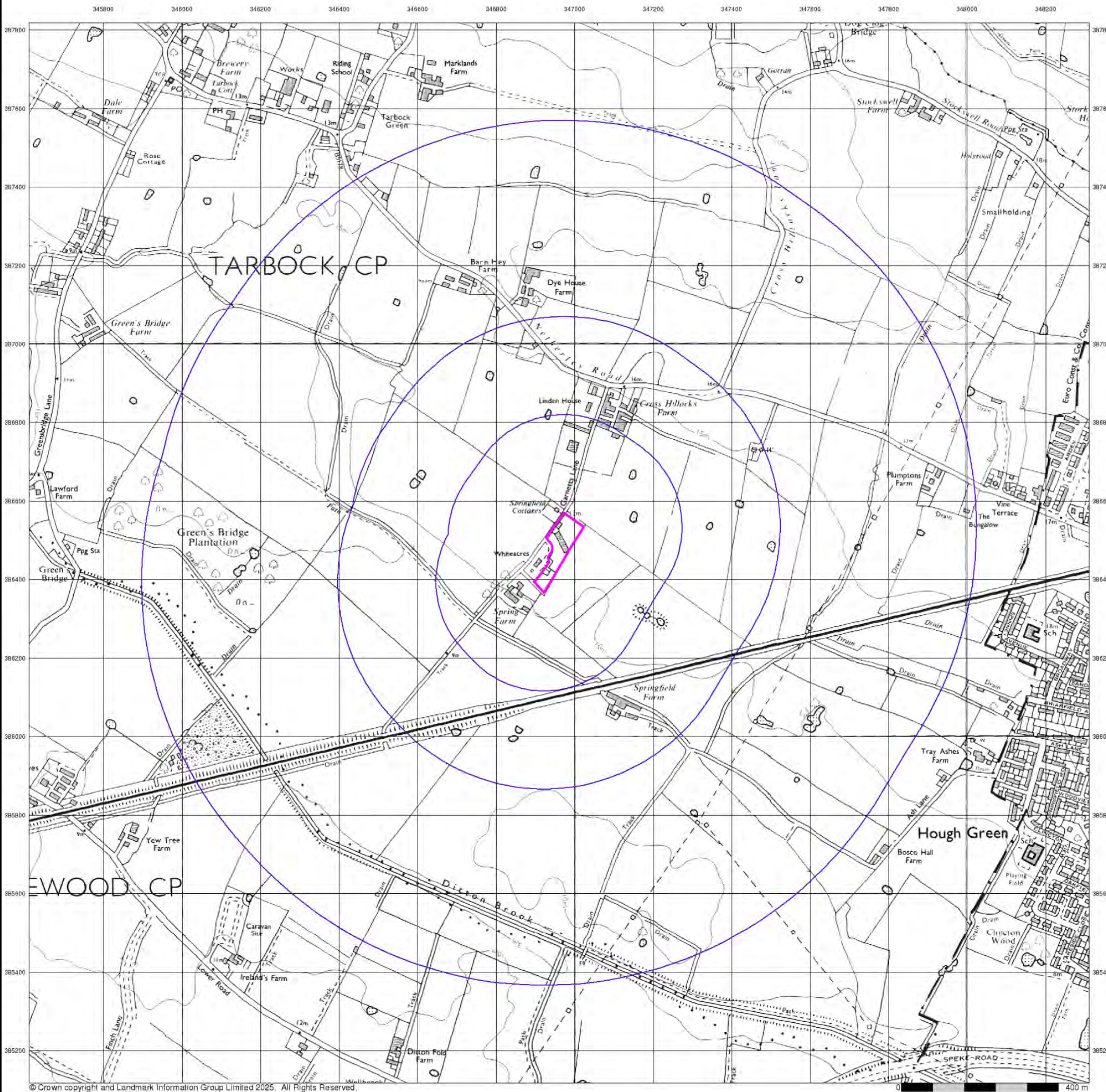
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



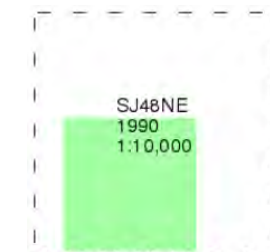
Ordnance Survey Plan

Published 1990

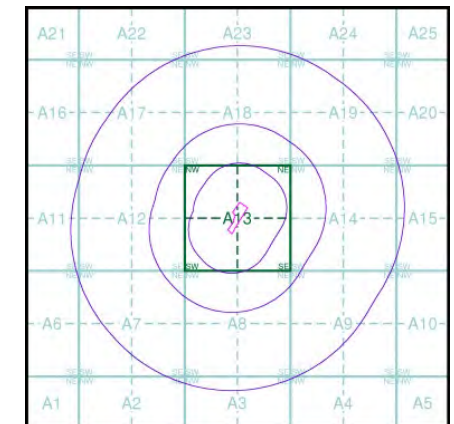
Source map scale - 1:10,000

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

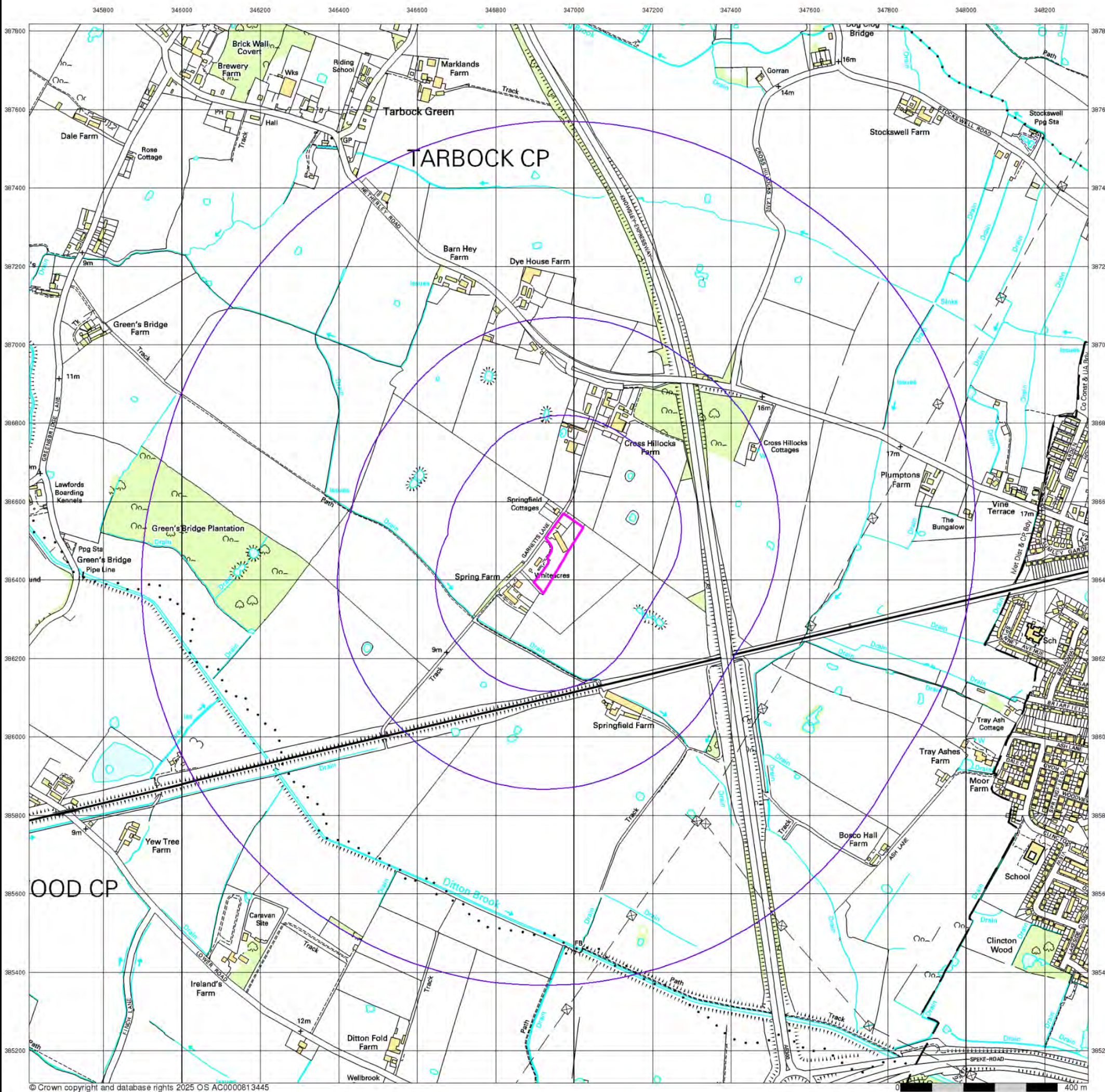
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



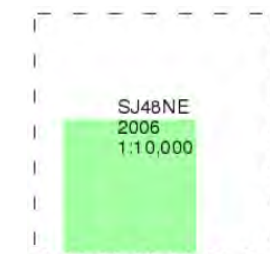
10k Raster Mapping

Published 2006

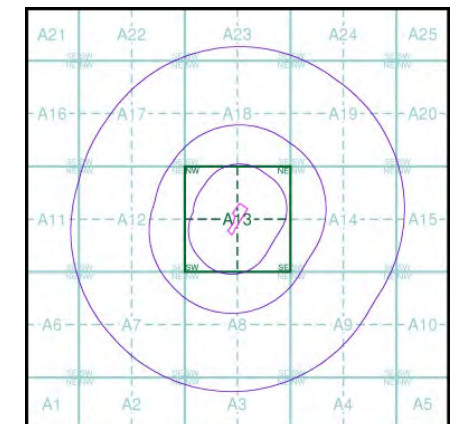
Source map scale - 1:10,000

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

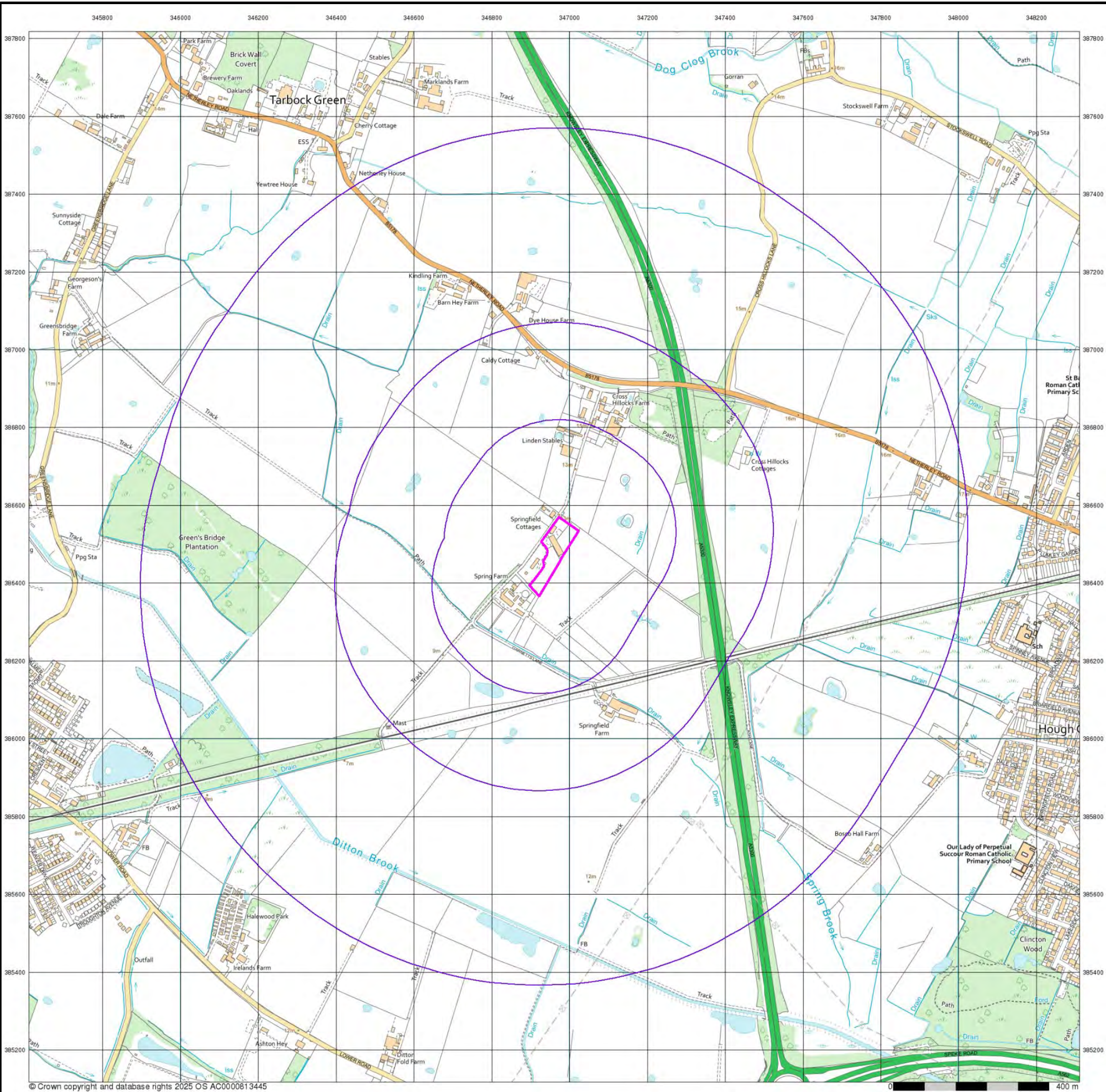
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



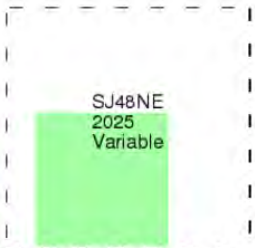
© Crown copyright and database rights 2025 OS AC0000813445



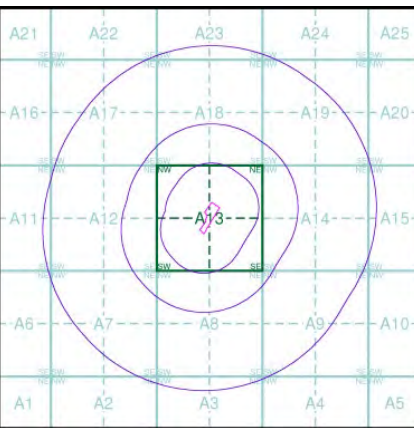
VectorMap Local
Published 2025
Source map scale - 1:10,000

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: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

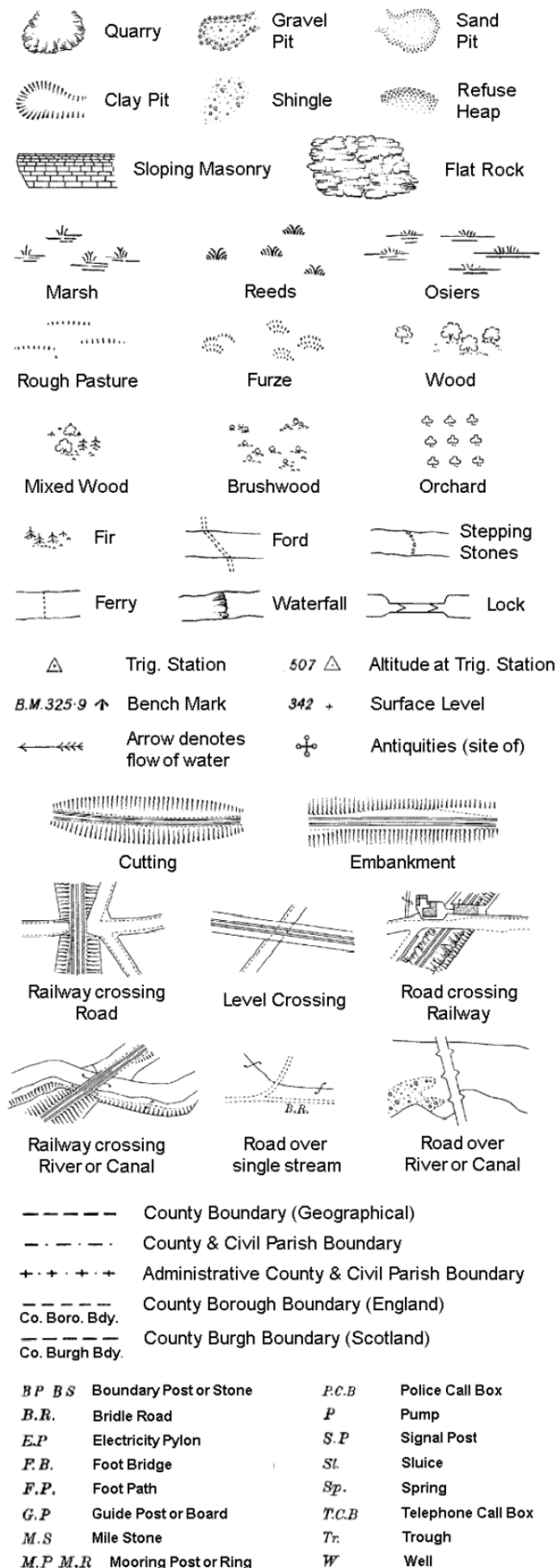
Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



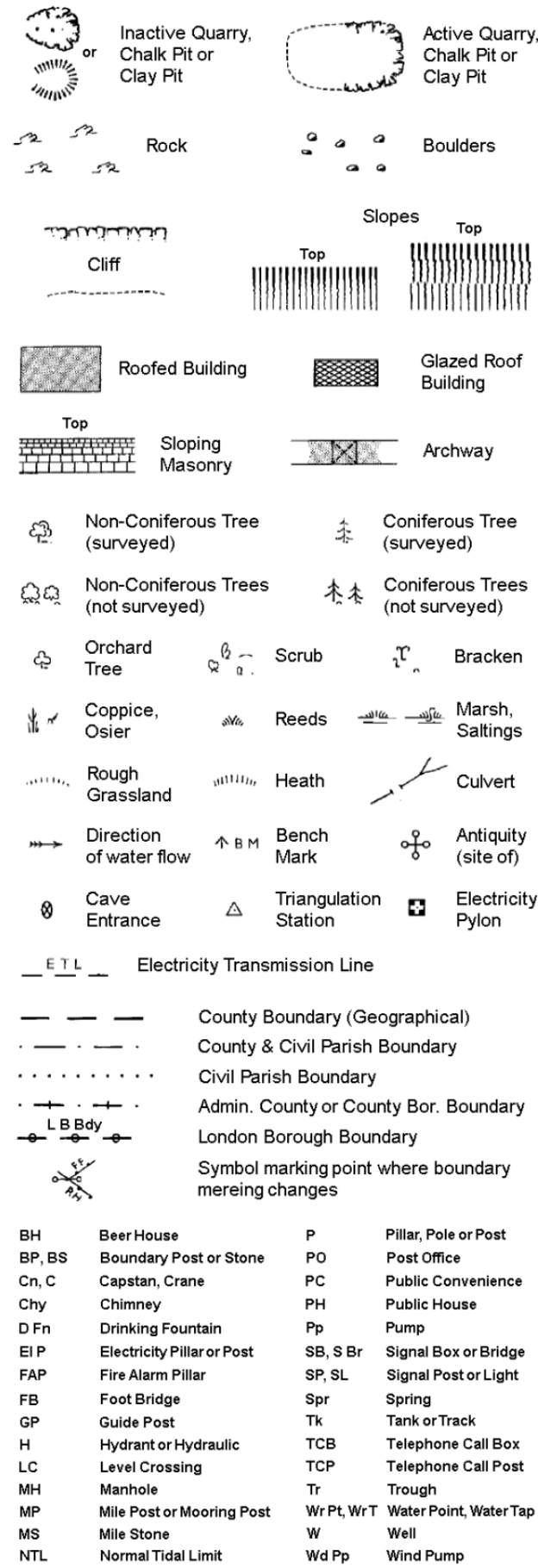
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

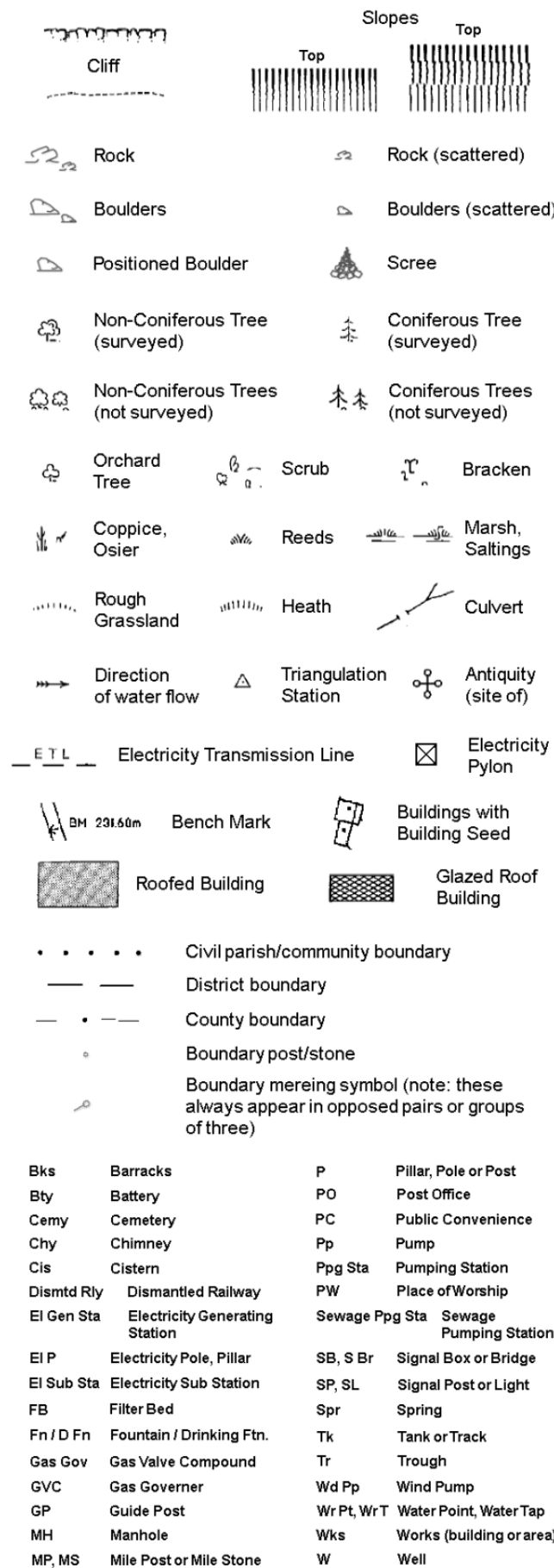
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



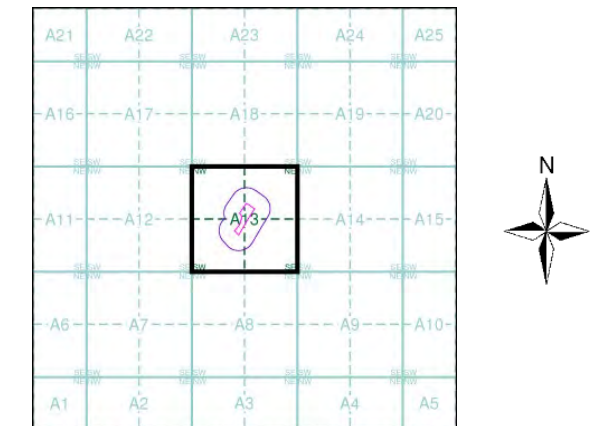
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg.
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1907	3
Lancashire And Furness	1:2,500	1927	4
Ordnance Survey Plan	1:2,500	1959	5
Additional SIMs	1:2,500	1959	6
Supply of Unpublished Survey Information	1:2,500	1975	7
Additional SIMs	1:2,500	1990	8
Large-Scale National Grid Data	1:2,500	1993	9
Historical Aerial Photography	1:2,500	2000	10

Historical Map - Segment A13



Order Details

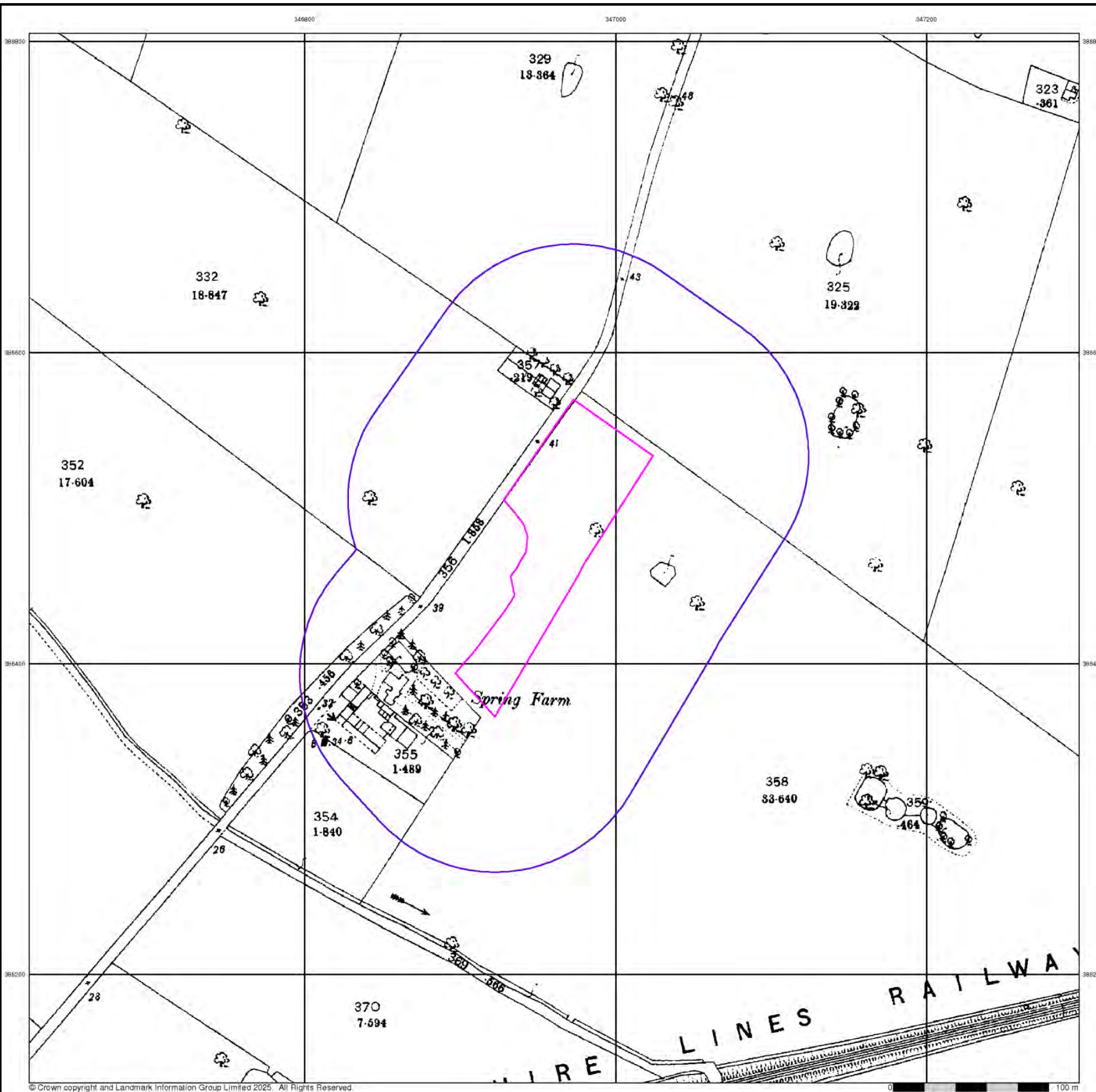
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



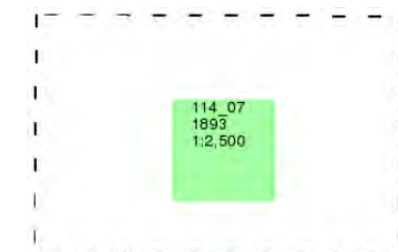
Lancashire And Furness

Published 1893

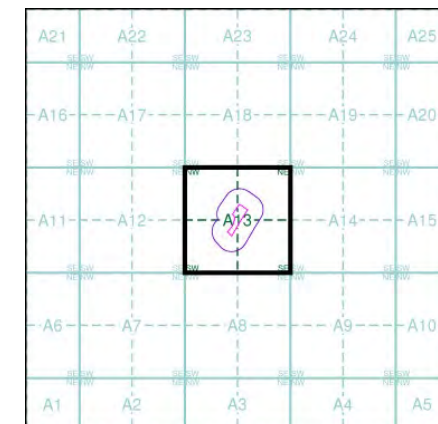
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

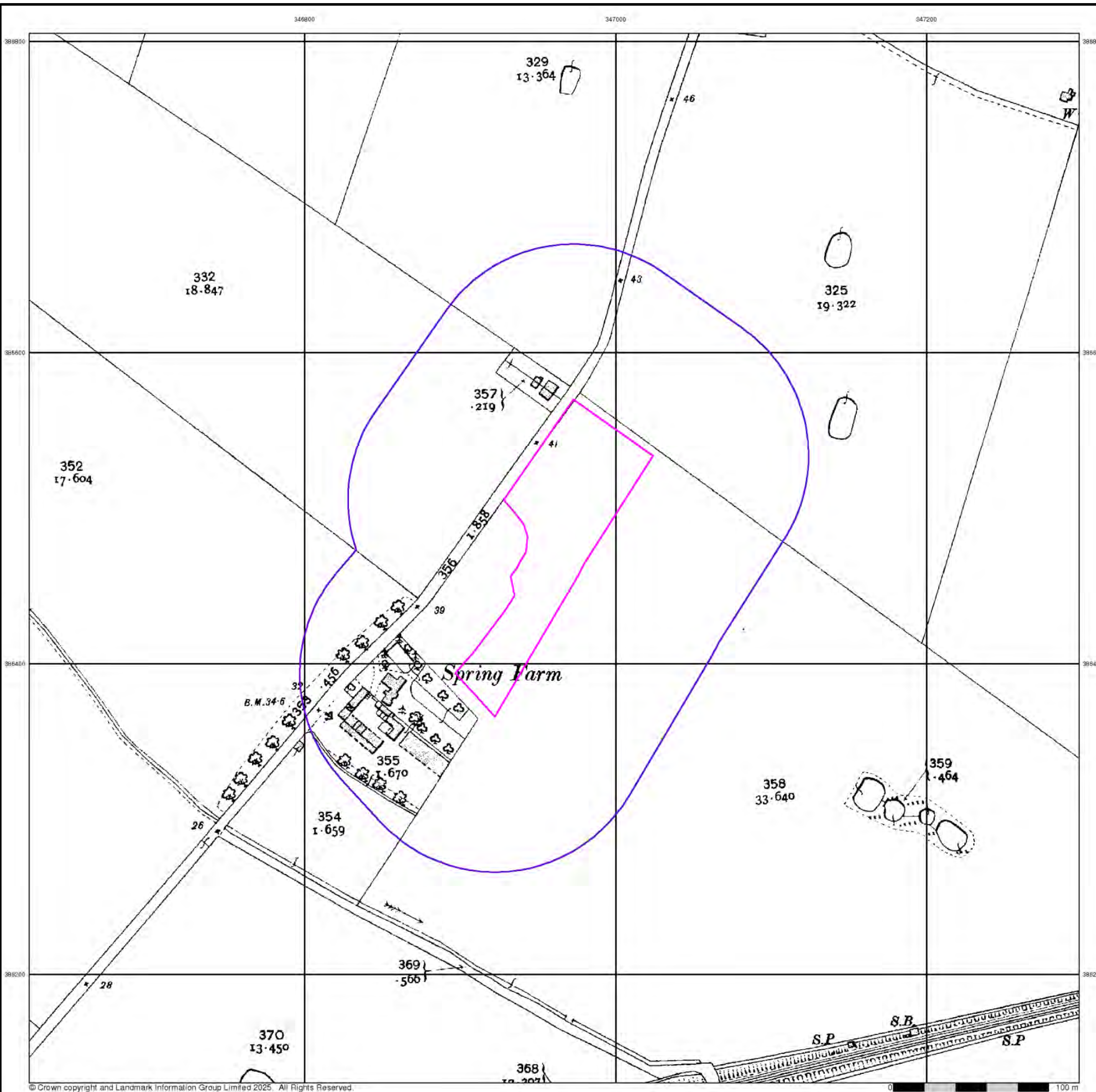
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



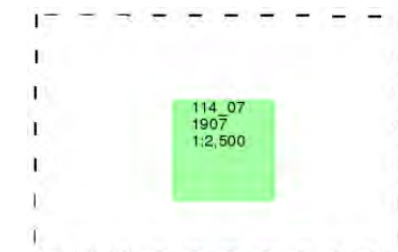
Lancashire And Furness

Published 1907

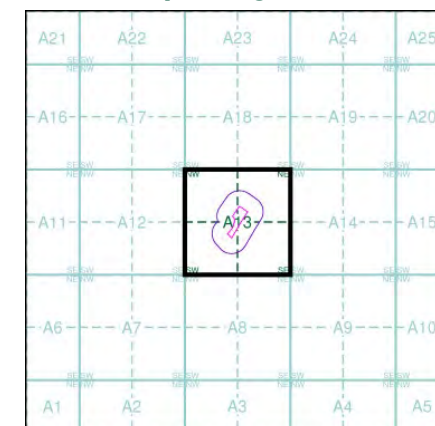
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Lancashire And Furness

Published 1927

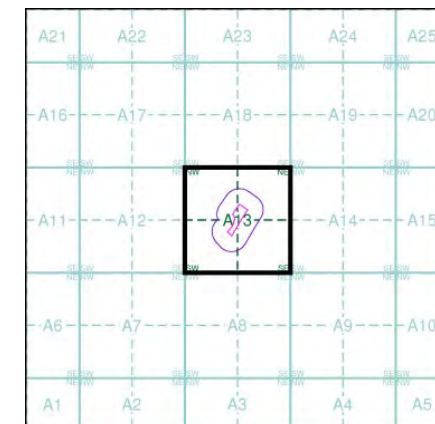
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

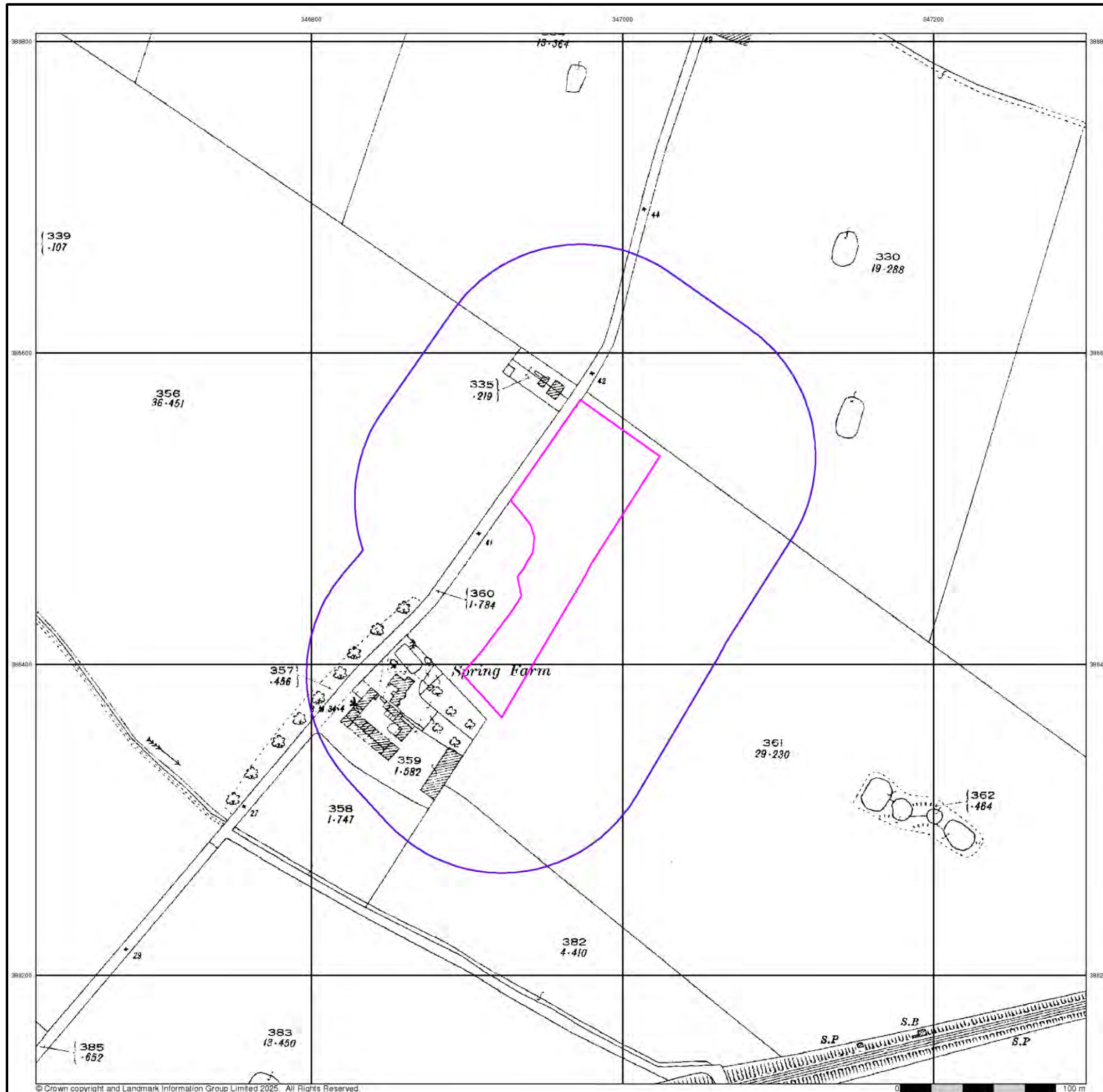
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk





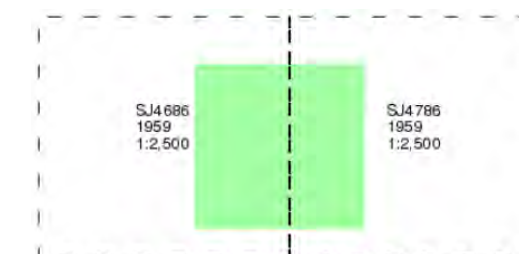
Ordnance Survey Plan

Published 1959

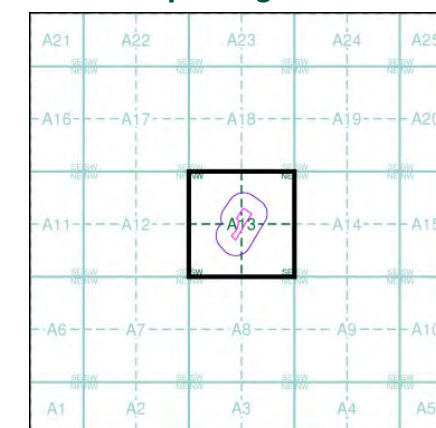
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

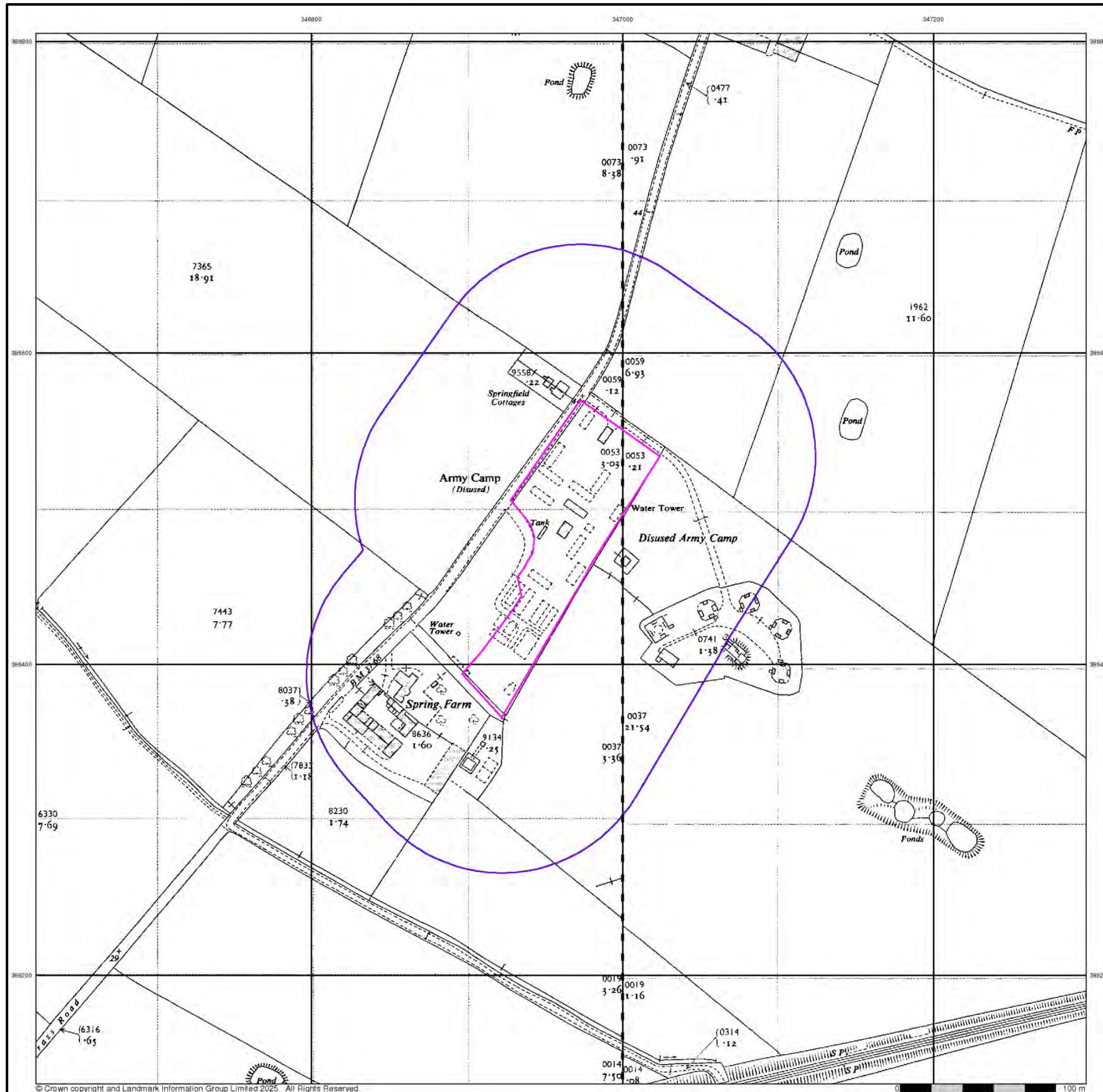
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk





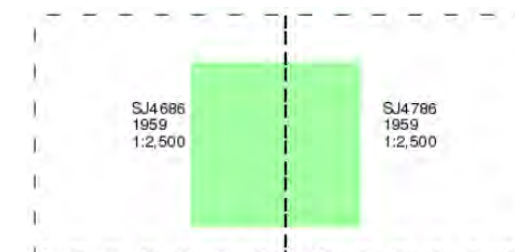
Additional SIMs

Published 1959

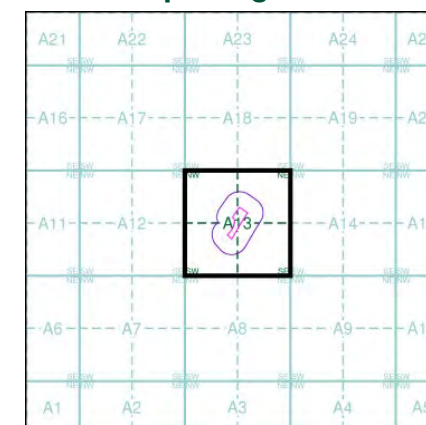
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

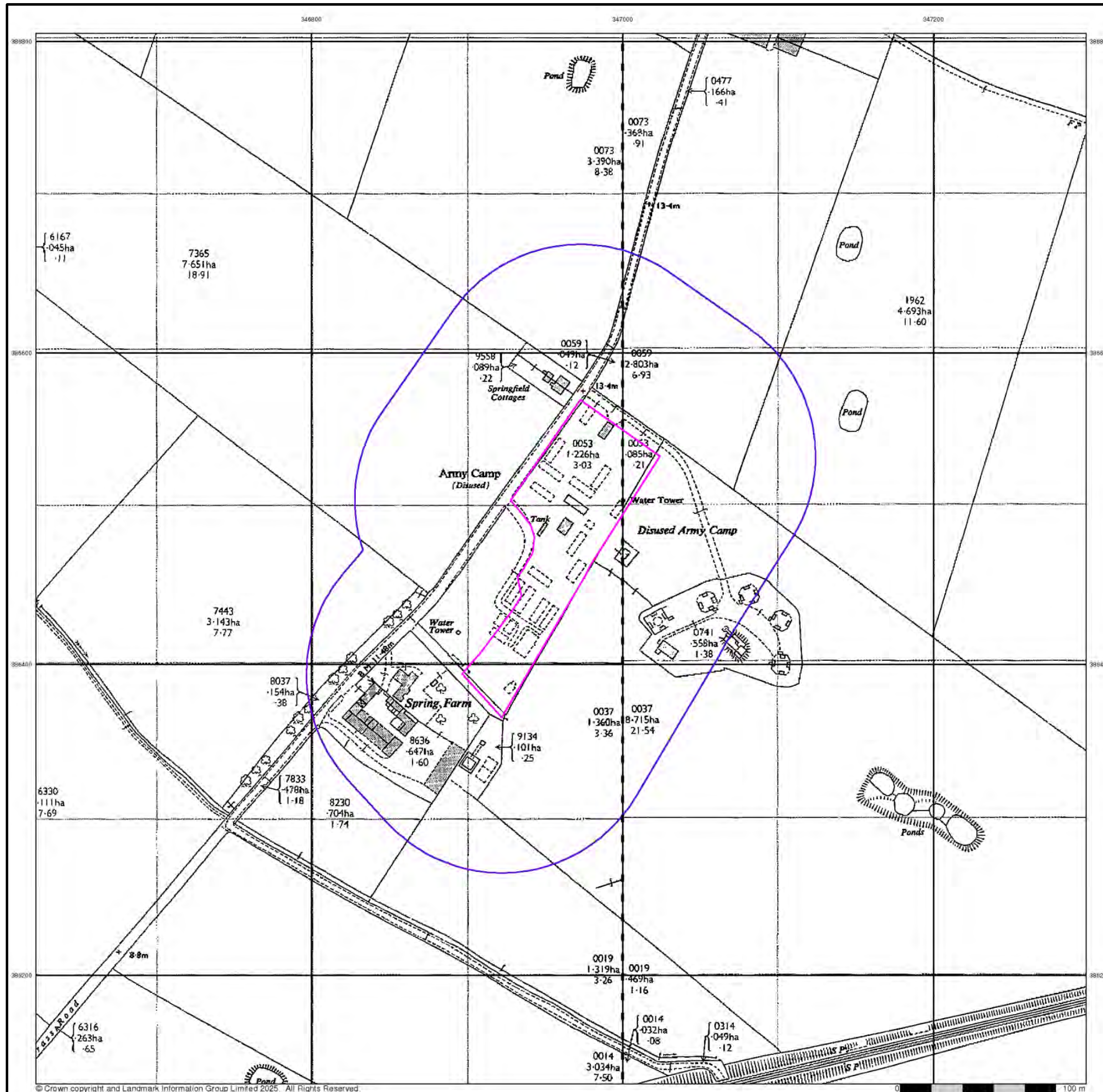
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

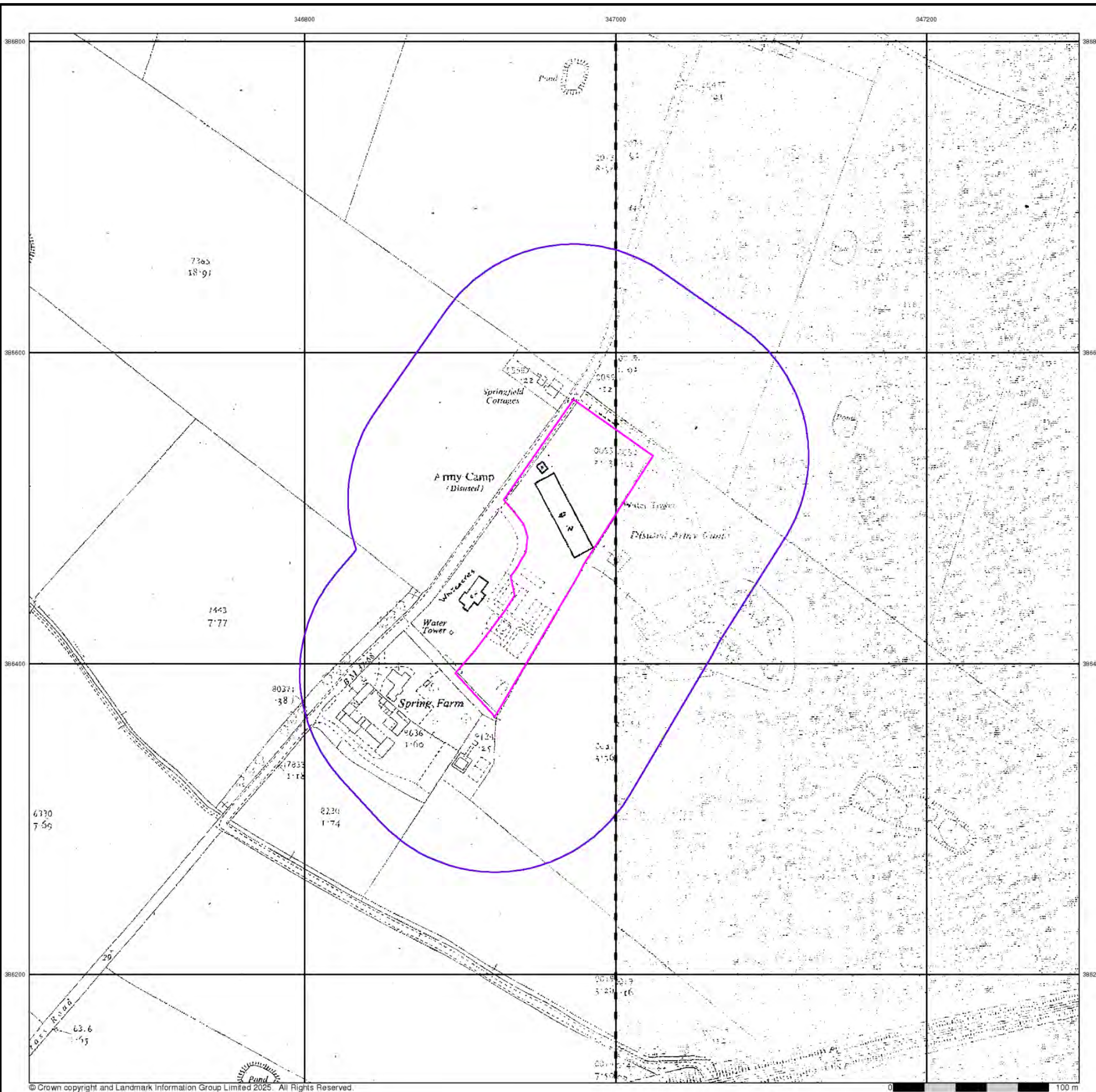
Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk





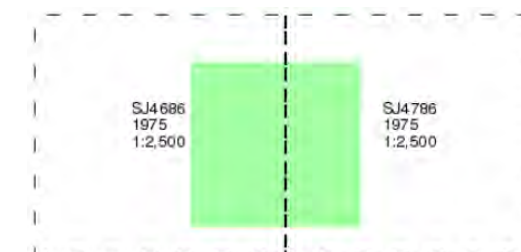
Supply of Unpublished Survey Information

Published 1975

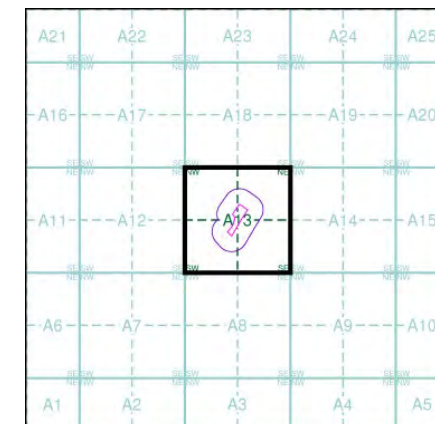
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

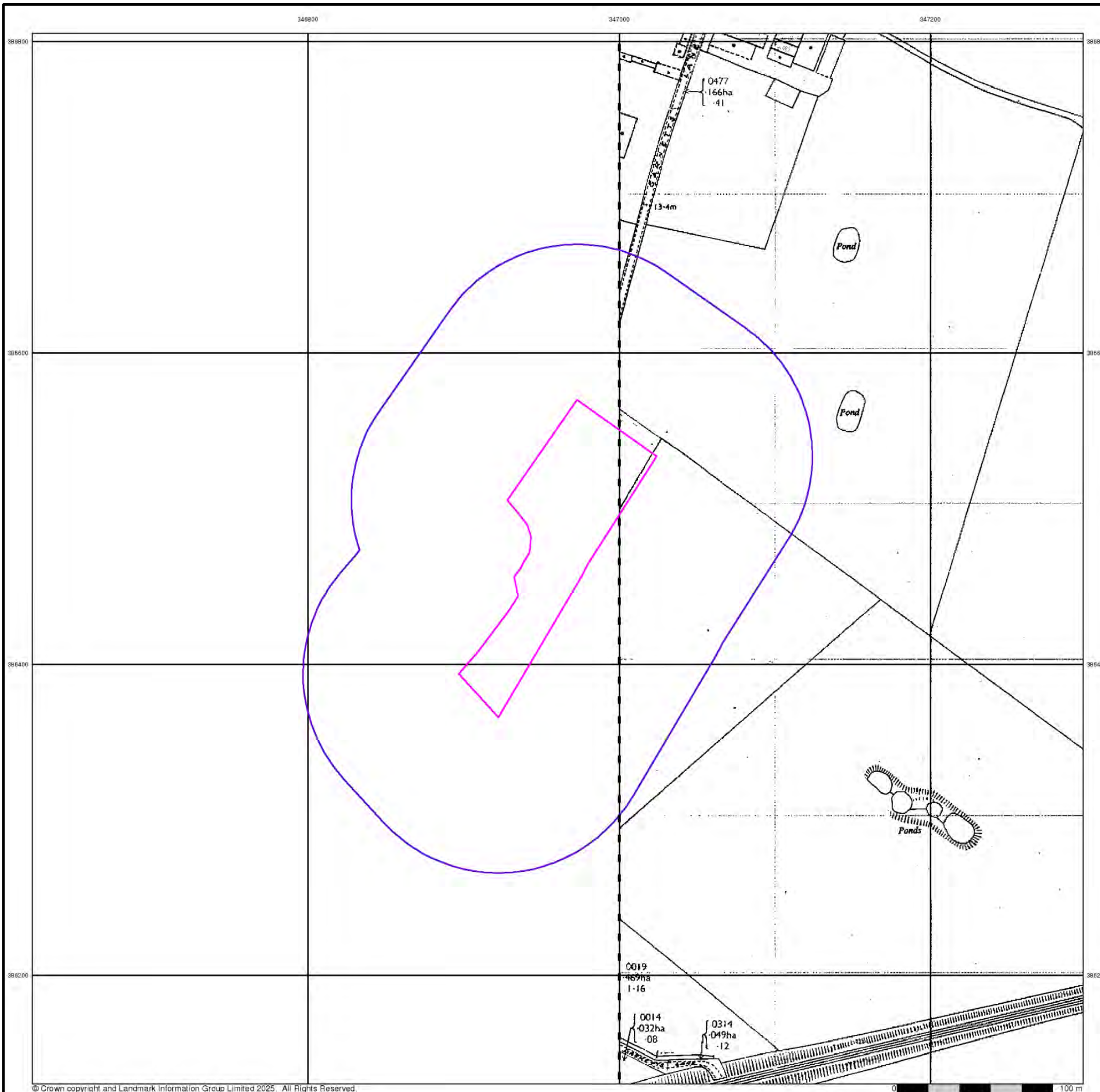
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



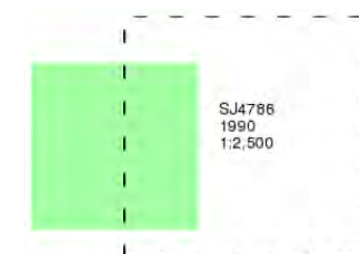
Additional SIMs

Published 1990

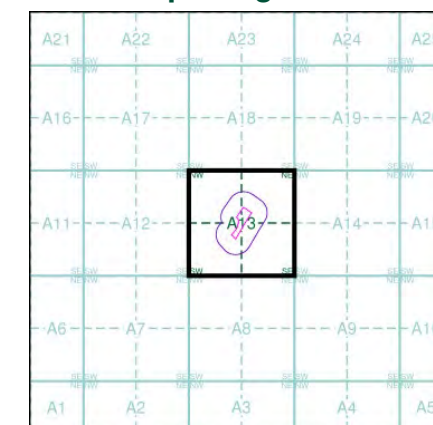
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

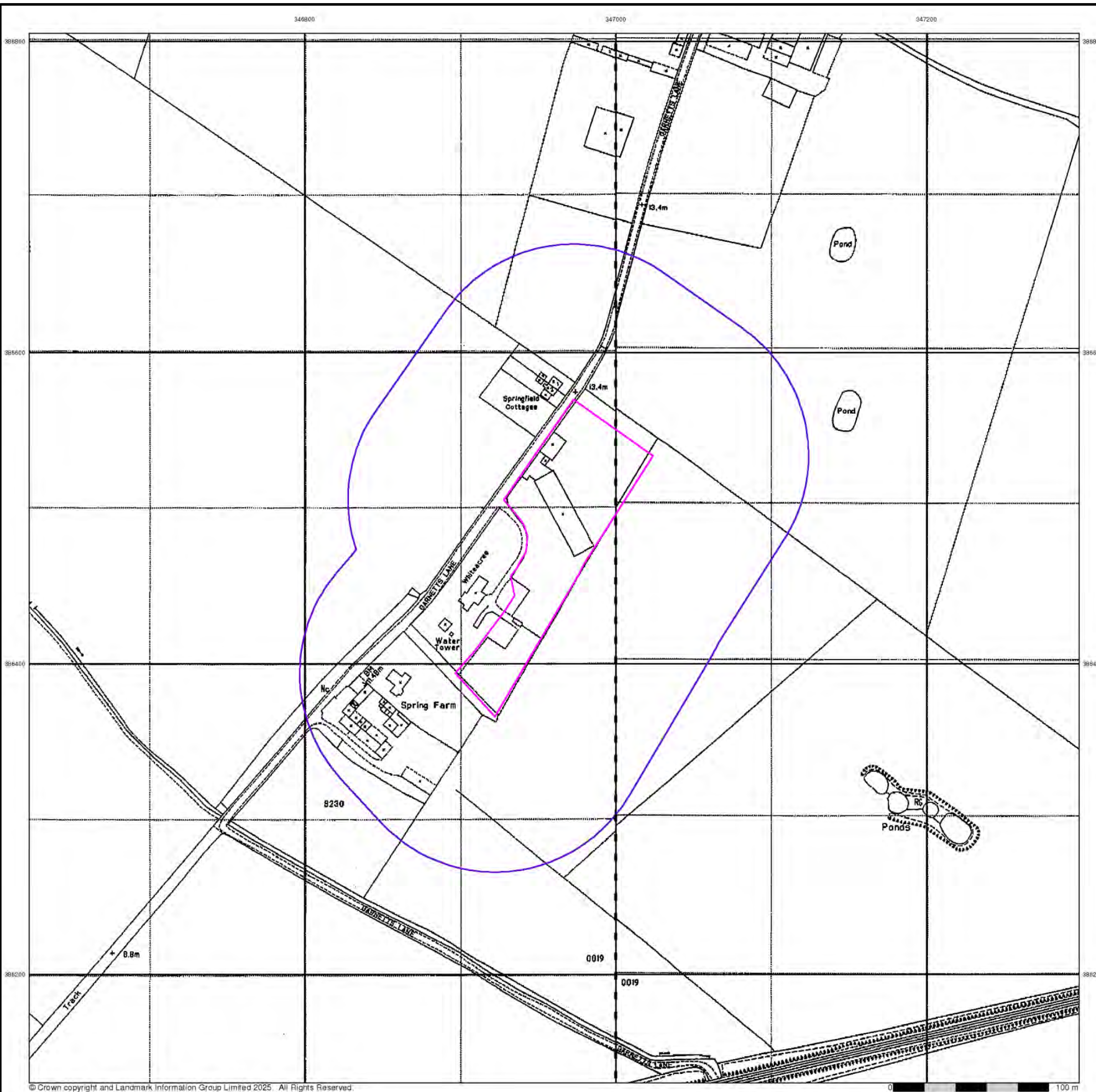
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



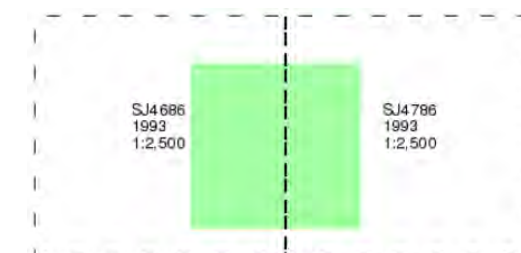
Large-Scale National Grid Data

Published 1993

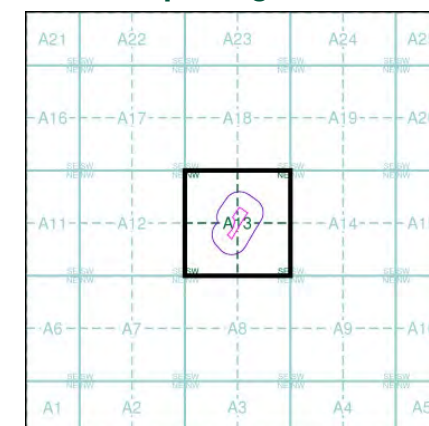
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Copyright Getmapping plc

0 100 m

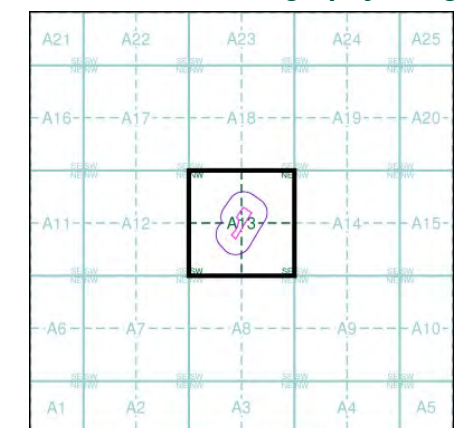


Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX C
ENVIROCHECK REPORT



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

391171510_1_1

Customer Reference:

GSI 2537

National Grid Reference:

346960, 386470

Slice:

A

Site Area (Ha):

0.91

Search Buffer (m):

1000

Site Details:

Springfield Stables, Garnetts Lane

Tarbock Green

Prescot

L35 1QW

Client Details:

Mr I Walker

Geocon Site Investigations

Suite 2 Marple House,

39 Stockport Road,

Marple,

Stockport

Cheshire

SK6 6BD

Prepared For:

Leeds

LH11 8EH

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	26
Hazardous Substances	-
Geological	28
Industrial Land Use	31
Sensitive Land Use	32
Data Currency	33
Data Suppliers	39
Useful Contacts	40

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.

Copyright Notice

© Landmark Information Group Limited 2025. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report. © Environment Agency & United Kingdom Research and Innovation 2025. © Natural Resources Wales & United Kingdom Research and Innovation 2025.

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2025. Land & Property Services © Crown copyright and database right.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes			n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	
Prosecutions					
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	pg 1		Yes		
Pollution Incidents to Controlled Waters	pg 1				4
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2				(*30)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 9	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 9	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 9	Yes	n/a	n/a	n/a
Source Protection Zones	pg 10	1			2
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				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 10		8	8	113
Water Framework Directive - Catchment	pg 24	Yes			Yes
Water Framework Directive - Groundwater	pg 25	Yes			
Water Framework Directive - Surface Waters	pg 25				Yes

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 26			2	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 26	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 26			1	
Potentially Infilled Land (Water)	pg 26		1		5
Registered Landfill Sites	pg 27				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 28	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 28	Yes		Yes	Yes
BGS Recorded Mineral Sites	pg 29			1	
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 29	Yes	n/a	n/a	n/a
Mining Instability	pg 29	Yes	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 29	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 30	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 30	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 30	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
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 31				2
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 32	1			
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 32	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
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	0	1	346955 386469
1	Discharge Consents Operator: Jeffrey Broome Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Croft Garnetts La, Tarbock Green, Prescott, Merseyside, L35 1qw Authority: Environment Agency, North West Region Catchment Area: Dibbinsdale Brook Reference: 01m/268 Permit Version: 1 Effective Date: 10th April 1963 Issued Date: 10th April 1963 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Ditton Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A18SE (N)	280	2	347029 386844
	Nearest Surface Water Feature	A13NE (NE)	101	-	347123 386555
2	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Pumping Station Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Pumping Station Discharging Due To Blocked Pump Incident Date: 14th December 1998 Incident Reference: SO982168 Catchment Area: Mersey - Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Ineffective Pumping Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	938	2	346100 385900
3	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Not Given Note: Not Supplied Incident Date: 30th January 1992 Incident Reference: 92440011 Catchment Area: Ditton Brook Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3NE (S)	970	2	347000 385400
4	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 18th July 1995 Incident Reference: 95741796 Catchment Area: Ditton Brook Receiving Water: Not Given Cause of Incident: Mechanical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	980	2	346000 386000
5	Pollution Incidents to Controlled Waters Property Type: Road Location: Cross Hillocks Lane, HALEWOOD Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Fire Involving Motor Vehicle Incident Date: 11th October 1998 Incident Reference: SO981867 Catchment Area: Ditton Brook Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	984	2	347500 387400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569028014 Permit Version: 101 Location: Boreholes (2) At Greensbridge Lane Pumping Station, Whiston Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SE (W)	1097	2	345800 386400
	Water Abstractions Operator: United Utilities Water Plc Licence Number: 2569028014 Permit Version: 100 Location: Boreholes (2) At Greensbridge Lane Pumping Station, Whiston Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 11400 Yearly Rate (m3): 1500000 Details: Boreholes (2) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SE (W)	1097	2	345800 386400
	Water Abstractions Operator: R A Humphries Licence Number: 2569028019 Permit Version: Not Supplied Location: Dog Clog Brook, Marklands Farm, Tarbock Green, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 255 Yearly Rate (m3): 5910 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24SW (N)	1177	2	347300 387700
	Water Abstractions Operator: J B Garton Licence Number: 2569028016 Permit Version: Not Supplied Location: Mill Brook & Tributary Of Whittle Brook, Tarbock, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 191 Yearly Rate (m3): 4091 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1333	2	345600 386700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569028011 Permit Version: 101 Location: B/Holes (2) At Water La Pumping Station, Whiston, Merseyside Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23NW (N)	1359	2	346700 387900
	Water Abstractions Operator: United Utilities Water Plc Licence Number: 2569028011 Permit Version: 100 Location: B/Holes (2) At Water La Pumping Station, Whiston, Merseyside Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 11400 Yearly Rate (m3): 1750000 Details: Boreholes (2) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23NW (N)	1359	2	346700 387900
	Water Abstractions Operator: T & O Harrison Licence Number: 2569028017 Permit Version: Not Supplied Location: Childwall Mill And Dog Clog Brks, Attarbock, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Licence Status : Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1381	2	347600 387800
	Water Abstractions Operator: T & O Harrison Licence Number: 2569028017 Permit Version: Not Supplied Location: Mill And Dog Clog Brks Attarbock, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Childwall Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23NW (N)	1457	2	346700 388000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569028009 Permit Version: 101 Location: Boreholes (3) At Stockswell Pumping Station, Whiston Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1523	2	348200 387500
	Water Abstractions Operator: United Utilities Water Plc Licence Number: 2569028009 Permit Version: 100 Location: Boreholes (3) At Stockswell Pumping Station, Whiston Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 10900 Yearly Rate (m3): 3360000 Details: Boreholes (3) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th July 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1523	2	348200 387500
	Water Abstractions Operator: The Everton Football Club Company Limited Licence Number: Nw/069/0028/025 Permit Version: 100 Location: Borehole At Everton Football Club Finch Lane Halewood Authority: Environment Agency, North West Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Everton Football Club Finch Lane Halewood Authorised Start: 01 March Authorised End: 30 November Permit Start Date: 2nd June 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1570	2	345886 385187
	Water Abstractions Operator: The Everton Football Club Company Limited Licence Number: 2569028025 Permit Version: 1 Location: Borehole At Everton Football Club Finch Lane Halewood Authority: Environment Agency, North West Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Everton Football Club Finch Lane Halewood Authorised Start: 01 March Authorised End: 30 November Permit Start Date: 26th May 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1573	2	345890 385180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: R A Humphries Licence Number: 2569028019 Permit Version: Not Supplied Location: Dog Clog Brook, Marklands Farm, Tarbock Green, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 255 Yearly Rate (m3): 5910 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NE (NW)	1581	2	346300 388000
	Water Abstractions Operator: Vertellus Specialites Uk Limited Licence Number: 2569028001 Permit Version: 103 Location: Borehole At Lh S Premises Halebank Widnes Cheshire Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lh'S Premises At Halebank, Widnes, Cheshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1591	2	347200 384800
	Water Abstractions Operator: Vertellus Specialites Uk Limited Licence Number: 2569028001 Permit Version: 103 Location: Borehole At Lh S Premises Halebank Widnes Cheshire Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lh'S Premises At Halebank, Widnes, Cheshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1591	2	347200 384800
	Water Abstractions Operator: Pentagon Fine Chemicals Limited Licence Number: 2569028001 Permit Version: 102 Location: Borehole At Lh S Premises Halebank Widnes Cheshire Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lh'S Premises At Halebank, Widnes, Cheshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1591	2	347200 384800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Pentagon Fine Chemicals Limited Licence Number: 2569028001 Permit Version: 102 Location: Borehole At Lh S Premises Halebank Widnes Cheshire Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lh'S Premises At Halebank, Widnes, Cheshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1591	2	347200 384800
	Water Abstractions Operator: Great Lakes Fine Chemicals Ltd Licence Number: 2569028001 Permit Version: 100 Location: Borehole At Lh'S Premises, Halebank, Widnes, Cheshire Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4091 Yearly Rate (m3): 1136500 Details: Lh'S Premises At Halebank, Widnes, Cheshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1591	2	347200 384800
	Water Abstractions Operator: Great Lakes Fine Chemicals Ltd Licence Number: 2569028001 Permit Version: 100 Location: Borehole At Lh'S Premises, Halebank, Widnes, Cheshire Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lh'S Premises At Halebank, Widnes, Cheshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1591	2	347200 384800
	Water Abstractions Operator: Lower Road Widnes Ltd Licence Number: 2569028001 Permit Version: 106 Location: Borehole At Lh S Premises Halebank Widnes Cheshire Authority: Environment Agency, North West Region Abstraction: Chemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th December 2024 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1596	2	347154 384787

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Aurorium Uk Ltd Licence Number: 2569028001 Permit Version: 105 Location: Borehole At Lh S Premises Halebank Widnes Cheshire Authority: Environment Agency, North West Region Abstraction: Chemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th January 2024 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1596	2	347154 384787
	Water Abstractions Operator: Vertellus Specialites Uk Limited Licence Number: 2569028001 Permit Version: 104 Location: Borehole At Lh S Premises Halebank Widnes Cheshire Authority: Environment Agency, North West Region Abstraction: Chemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 22nd March 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1596	2	347154 384787
	Water Abstractions Operator: C S Morphet & Sons Ltd Licence Number: 2569028024 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Slaughtering: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd December 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1627	2	347880 387920
	Water Abstractions Operator: C S Morphet & Sons Ltd Licence Number: 2569028024 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Private Water Undertaking: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd December 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1627	2	347880 387920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: C S Morphet & Sons Ltd Licence Number: 2569028023 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Slaughtering: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Alder Lane, Cronton, Widnes Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1627	2	347880 387920
	Water Abstractions Operator: Mr C S Morphet Licence Number: 2569028024r01 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Slaughtering: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1632	2	347880 387926
	Water Abstractions Operator: Mr C S Morphet Licence Number: 2569028024r01 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Private Water Undertaking: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1632	2	347880 387926
	Water Abstractions Operator: Mr C S Morphet Licence Number: 2569028024 Permit Version: 2 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Slaughtering: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st February 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1632	2	347880 387926

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr C S Morphet Licence Number: 2569028024 Permit Version: 2 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Private Water Undertaking: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st February 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1632	2	347880 387926
	Water Abstractions Operator: J B Garton Licence Number: 2569028016 Permit Version: Not Supplied Location: Mill Brk And Trib Of Whittle Brk, Tarbock, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 191 Yearly Rate (m3): 4091 Details: Licence Status : Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NW)	1952	2	345900 388200
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Intergranular Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13NW (NW)	0	2	346955 386469
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13NE (E)	0	2	347000 386469
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NW (NW)	0	2	346955 386469
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (NW)	0	2	346955 386469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NW (NW)	0	2	346955 386469
7	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A12NW (W)	685	2	346216 386475
8	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A18NW (N)	912	2	346786 387462
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 241.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A13SW (SW)	143	3	346839 386249
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A13SW (SW)	145	3	346832 386253
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13NE (E)	162	3	347175 386473
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A13SW (SW)	171	3	346754 386301
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 409.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A13SW (SW)	176	3	346747 386303

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	233	3	347167 386322
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	242	3	347173 386315
16	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	246	3	347176 386313
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.2 Watercourse Level: Underground Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A13SE (S)	254	3	347053 386148
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	259	3	347186 386304
19	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	268	3	347197 386304
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	277	3	347204 386299
21	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	283	3	347208 386295
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 211.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A8NE (SE)	334	3	347125 386101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A12NE (W)	486	3	346445 386571
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A12NE (W)	490	3	346442 386573
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.0 Watercourse Level: Underground Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A8NE (SE)	536	3	347290 385976
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 363.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	557	3	346561 386944
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	559	3	347359 386016
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 362.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SW (SE)	568	3	347459 386159
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	571	3	347314 385950
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 208.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A9NW (SE)	571	3	347312 385949
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	571	3	346509 385973

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 409.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12NE (W)	573	3	346368 386624
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	581	3	346498 385970
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	612	3	346613 387064
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	615	3	346614 387069
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 257.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SW (E)	624	3	347599 386291
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SW (E)	632	3	347591 386254
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SW (E)	632	3	347593 386259
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SW (E)	634	3	347588 386245
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SW (E)	639	3	347593 386243

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	675	3	347637 386253
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	675	3	347637 386253
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12NW (W)	688	3	346220 386512
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	694	3	347481 385954
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	694	3	347481 385954
46	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	695	3	347716 386477
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	696	3	347483 385954
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	702	3	347724 386490
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	704	3	347493 385953

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	706	3	347729 386506
51	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12NW (W)	708	3	346194 386474
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 169.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	709	3	347733 386514
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	709	3	347732 386512
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 250.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	709	3	347733 386514
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	723	3	346177 386458
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	731	3	346168 386445
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	735	3	346174 386265
58	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	735	3	346174 386265

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 34.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	737	3	346162 386436
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	738	3	346173 386253
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	738	3	346170 386269
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	741	3	347491 385892
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	756	3	346142 386411
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	763	3	347493 385860
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A9SW (SE)	765	3	347407 385774
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	774	3	346343 387019
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.9 Watercourse Level: Underground Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A9SW (SE)	777	3	347421 385771

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	777	3	346345 387027
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	777	3	346345 387027
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	778	3	347494 385839
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	781	3	347773 386316
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	781	3	347773 386316
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	790	3	347069 385590
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	790	3	347069 385590
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 470.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A7SE (SW)	793	3	346593 385645
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	795	3	347786 386758

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 370.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A7SE (SW)	795	3	346550 385664
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	795	3	346550 385664
79	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	796	3	347569 385903
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	798	3	347790 386309
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 245.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	799	3	347097 385587
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	800	3	347787 386770
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	802	3	347788 386773
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	805	3	346545 385656
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	806	3	347790 386783

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NE (N)	807	3	347034 387374
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NE (N)	808	3	347046 387374
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NE (N)	808	3	347046 387374
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	811	3	346087 386354
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	813	3	346237 385918
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: Underground Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	813	3	346237 385918
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NW (SW)	814	3	346247 385906
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	814	3	346247 385906
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	814	3	346248 385904

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NE (N)	815	3	347092 387376
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.9 Watercourse Level: Underground Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NE (N)	815	3	347092 387376
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 469.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NW (SW)	815	3	346265 385880
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	815	3	346217 385945
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 345.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	815	3	346084 386351
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17NE (NW)	819	3	346402 387156
101	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17NE (NW)	820	3	346404 387160
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 368.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NE (N)	821	3	347182 387363
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NE (N)	822	3	347177 387366

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: Underground Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NE (N)	825	3	346966 387394
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A9SW (SE)	827	3	347488 385764
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (SE)	827	3	347495 385771
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 142.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NW (N)	830	3	346956 387399
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A9SW (SE)	837	3	347499 385760
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 219.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NW (SW)	843	3	346214 385899
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 357.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	844	3	347833 386295
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 391.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A18NW (N)	847	3	346815 387401
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NW (SW)	847	3	346103 386100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	847	3	346103 386100
114	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	848	3	347871 386518
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	851	3	347875 386525
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	853	3	346080 386149
117	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	855	3	347798 386172
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 709.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A12SW (W)	862	3	346073 386142
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: Underground Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A9SW (SE)	869	3	347529 385744
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 243.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	873	3	347815 386165
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 533.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spring Brook Catchment Name: Ditton Primacy: 1	A9SW (SE)	878	3	347535 385737

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NW (SW)	878	3	346077 386080
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 246.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NW (SW)	879	3	346077 386079
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (NE)	887	3	347819 386925
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	895	3	346981 385473
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A8SE (S)	895	3	346981 385473
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	899	3	347021 385473
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 374.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	902	3	346977 385466
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: Underground Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A19NW (NE)	909	3	347526 387291
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 744.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ditton Brook Catchment Name: Ditton Primacy: 1	A8SE (S)	914	3	347019 385457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A19NW (NE)	915	3	347534 387293
132	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	943	3	347898 386182
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 226.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	949	3	347905 386181
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A19NE (NE)	951	3	347665 387235
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A19NE (NE)	951	3	347663 387236
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A19NE (NE)	989	3	347780 387170
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stonehough Brook Catchment Name: Ditton Primacy: 1	A19NE (NE)	991	3	347785 387168
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Ditton Brook (Halewood to Mersey Estuary) WaterBody ID: GB112069061390 Operational Catchment: Ditton Management Catchment: Mersey Lower Catchment Name: Lower Mersey	A13NW (NW)	0	2	346955 386469
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Dog Clog Brook (including Mill Brook) WaterBody ID: GB112069060690 Operational Catchment: Ditton Management Catchment: Mersey Lower Catchment Name: Lower Mersey	A23SE (N)	924	2	347050 387490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Framework Directive - Groundwater Waterbody Name: Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers Waterbody ID: GB41201G101700 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41201G101700 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Poor Year: 2019	A13NW (NW)	0	2	346955 386469
	Water Framework Directive - Surface Waters Class Code: River Waterbody Name: Ditton Brook (Halewood To Mersey Estuary) Waterbody ID: GB112069061390 URL Address: Not Supplied Overall Rating: Not Assessed Chemical Rating: Not Assessed Classification Year: 2022	A7SE (SW)	793	2	346590 385647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	Historical Landfill Sites Licence Holder: W F Doyle and Company Limited Location: Netherley Road, Tarbock, Merseyside Name: Greens Bridge Farm Operator Location: 83 Haileybury Road, Liverpool 25 Boundary Accuracy: As Supplied Provider Reference: EAHLD16925 First Input Date: 1st October 1982 Last Input Date: 1st February 1983 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: GDO M016,116/01,16927, 120	A12NE (NW)	351	2	346606 386644
139	Historical Landfill Sites Licence Holder: Not Supplied Location: Delph Quarry, Netherley Road, Knowsley, Merseyside Name: The Dell At Delph Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16926 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: GDO M277	A18SE (N)	364	2	347124 386901
	Local Authority Landfill Coverage Name: Knowsley Metropolitan Borough Council - Has supplied landfill data		0	4	346955 386469
	Local Authority Landfill Coverage Name: Merseyside Waste Disposal Authority - Has supplied landfill data		0	5	346955 386469
140	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A18SE (N)	356	-	347117 386895
141	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (N)	204	-	346967 386773
142	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1849	A18SW (N)	580	-	346827 387131
143	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1849	A18SW (N)	588	-	346783 387126
144	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1849	A7NE (SW)	655	-	346408 385959
145	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1849	A23SW (N)	921	-	346901 387488
146	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A15NW (E)	983	-	348001 386637

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	Registered Landfill Sites Licence Holder: W F Doyle & Co Ltd Licence Reference: 116/01 Site Location: Greens Bridge Farm, Netherley Road, Tarbock, Prescot, Merseyside Licence Easting: 346020 Licence Northing: 386770 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Dated: 1st October 1982 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Inert Demol. Waste Prohibited Waste: Inflammable Waste Liquid/Sludge Wastes Putrescible Waste Special Wastes	A12NW (W)	946	2	346020 386770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	A13NW (NW)	0	1	346955 386469
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	0	1	346955 386469
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	269	1	347157 386235
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	613	1	346309 386216
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	628	1	347355 385912
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NW (SW)	723	1	346267 386040
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A7SE (SW)	766	1	346494 385732

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NW (SW)	873	1	346116 386003
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SE (NE)	906	1	347800 387000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (S)	912	1	346572 385525
148	BGS Recorded Mineral Sites Site Name: Cross Hillocks Farm Location: Tarbock, Huyton-With-Roby, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 91042 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: Kinnerton Sandstone Formation (Lower Mottled Sandstone) Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	391	1	347162 386911
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas 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	6	346955 386469
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (NW)	0	-	346955 386469
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
	Radon Potential - Radon Affected Areas 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). Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	Points of Interest - Manufacturing and Production Name: A Humphries & Son Ltd Location: Barn Hey Farm, Netherley Road, Tarbock Green, Prescott, L35 1QG Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A18NW (N)	665	7	346682 387167
149	Points of Interest - Manufacturing and Production Name: A Humphries & Sons Ltd Location: Barn Hey Farm, Netherley Road, Tarbock Green, L35 1QG Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A18NW (N)	665	7	346682 387167

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	Areas of Adopted Green Belt Authority: Knowsley Metropolitan Borough Council Plan Name: Proposal Map Status: Adopted Plan Date: 6th January 2016	A13NW (NW)	0	4	346955 386469
151	Nitrate Vulnerable Zones Name: Dittton Brook (Halewood To Mersey Estuary) Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (NW)	0	2	346955 386469

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Cheshire West and Chester Council - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Community Services Directorate Environment Agency - Head Office Halton Borough Council - Environmental Health Department St Helens Metropolitan Borough Council - Environmental Protection Department Warrington Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council - Department of Planning and Development Liverpool City Council - Liverpool Environmental Health & Trading Standards Division	July 2025 March 2008 November 2008 November 2023 October 2017 October 2017 October 2017 September 2017 September 2017	Annually Not Applicable Annually Annual Rolling Update Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	July 2025	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	April 2025	Bi-Annually
Local Authority Integrated Pollution Prevention And Control St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Warrington Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Cheshire West and Chester Council - Environmental Health Department Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Halton Borough Council - Environmental Health Department	December 2014 December 2015 February 2015 January 2015 July 2015 June 2009 May 2009 November 2014	Variable Variable Variable Variable Variable Not Applicable Not Applicable Variable
Local Authority Pollution Prevention and Controls St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Warrington Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Cheshire West and Chester Council - Environmental Health Department Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Halton Borough Council - Environmental Health Department	December 2014 December 2015 February 2015 January 2015 July 2015 June 2009 May 2009 November 2014	Annual Rolling Update Annually Not Applicable Annual Rolling Update Annually Not Applicable Not Applicable Not Applicable
Local Authority Pollution Prevention and Control Enforcements St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Warrington Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Cheshire West and Chester Council - Environmental Health Department Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Halton Borough Council - Environmental Health Department	December 2014 December 2015 February 2015 January 2015 July 2015 June 2009 May 2009 November 2014	Variable Variable Variable Variable Variable Not Applicable Not Applicable Variable

Agency & Hydrological	Version	Update Cycle
Nearest Surface Water Feature Ordnance Survey	September 2025	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Historical Prosecutions Environment Agency, North West Region	March 2013	Not Applicable
Registered Radioactive Substances Environment Agency - Head Office Environment Agency - North West Region	May 2023 May 2023	
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	July 2025	Quarterly
Water Abstractions Environment Agency - North West Region	July 2025	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	August 2025	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	June 2025	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	October 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2025	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2025	Annually
Water Framework Directive - Surface Waters Environment Agency - Head Office	July 2025	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2025	Bi-Annually
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	July 2025	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	April 2025	Bi-Annually
Local Authority Landfill Coverage Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department Halton Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority St Helens Metropolitan Borough Council Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Warrington Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department Halton Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority St Helens Metropolitan Borough Council Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Warrington Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	June 2025	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Vale Royal Borough Council (now part of Cheshire West and Chester Council) Knowsley Metropolitan Borough Council Cheshire West and Chester Council - Planning Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department St Helens Metropolitan Borough Council Liverpool City Council Warrington Borough Council - Environmental and Regeneration Halton Borough Council	August 2009 August 2015 August 2023 December 2008 February 2016 January 2016 June 2016 March 2023	Not Applicable Variable Variable Not Applicable Variable Variable Variable Variable
Planning Hazardous Substance Consents Cheshire West and Chester Council - Planning Department Vale Royal Borough Council (now part of Cheshire West and Chester Council) Halton Borough Council Knowsley Metropolitan Borough Council Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department St Helens Metropolitan Borough Council Liverpool City Council Warrington Borough Council - Environmental and Regeneration	April 2016 August 2009 August 2015 August 2015 December 2008 February 2016 January 2016 June 2016	Variable Not Applicable Variable Variable Not Applicable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	November 2025	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2025	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	September 2025	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	August 2025	Quarterly
Points of Interest - Commercial Services PointX	September 2025	Quarterly
Points of Interest - Education and Health PointX	September 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2025	Quarterly
Points of Interest - Public Infrastructure PointX	September 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	September 2025	Bi-Annually
Areas of Adopted Green Belt Cheshire West and Chester Council - Planning Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department Halton Borough Council Knowsley Metropolitan Borough Council Liverpool City Council St Helens Metropolitan Borough Council Vale Royal Borough Council (now part of Cheshire West and Chester Council) Warrington Borough Council	July 2025 July 2025 July 2025 July 2025 July 2025 July 2025 July 2025 July 2025	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Cheshire West and Chester Council - Planning Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department Halton Borough Council Knowsley Metropolitan Borough Council Liverpool City Council St Helens Metropolitan Borough Council Vale Royal Borough Council (now part of Cheshire West and Chester Council) Warrington Borough Council	July 2025 July 2025 July 2025 July 2025 July 2025 July 2025 July 2025 July 2025	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2025	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	August 2025	Bi-Annually
Marine Nature Reserves Natural England	August 2025	Bi-Annually
National Nature Reserves Natural England	July 2025	Bi-Annually
National Parks Natural England	September 2025	Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 November 2025	Annually
Ramsar Sites Natural England	August 2025	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2025	Bi-Annually
Special Areas of Conservation Natural England	July 2025	Bi-Annually
Special Protection Areas Natural England	November 2025	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	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
4	Knowsley Metropolitan Borough Council Archway Road, Huyton, Liverpool, Merseyside, L36 9YU	Telephone: 0151 489 6000 Fax: 0151 443 2298 Website: www.knowsley.gov.uk
5	Merseyside Waste Disposal Authority 2nd Floor, North House, 17 North John Street, Liverpool, Merseyside, L2 5QY	Telephone: 0151 2551444 Fax: 0151 2271848 Email: enquiries@merseysidewda.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Halton Borough Council Municipal Buildings, Kingsway, Widnes, Cheshire, WA8 7QF	Telephone: 0151 424 2061 Fax: 0151 471 7302 Website: www.halton.gov.uk
9	Liverpool City Council 5th floor, Steers House, Canning Place, Liverpool, Merseyside, L1 8JA	Telephone: 0151 227 3911 Fax: 0151 709 1481 Website: www.liverpool.gov.uk
10	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

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

Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TFD	Tidal Flat Deposits	Clay, Silt and Sand	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	ALF	Alluvial Fan Deposits	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHES	Chester Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Olenekian
	KNSF	Kinnerton Sandstone Formation	Sandstone	Not Supplied - Early Triassic
	WLSF	Wilmslow Sandstone Formation	Sandstone	Not Supplied - Early Triassic
	ETM	Etruria Formation	Mudstone, Sandstone and Conglomerate	Not Supplied - Westphalian
		Faults		



Geology 1:50,000 Maps

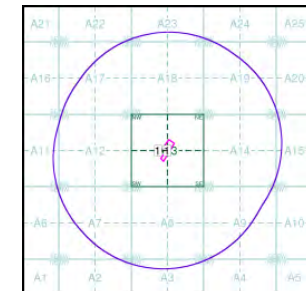
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	097
Map Name:	Runcorn
Map Date:	1977
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Not Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

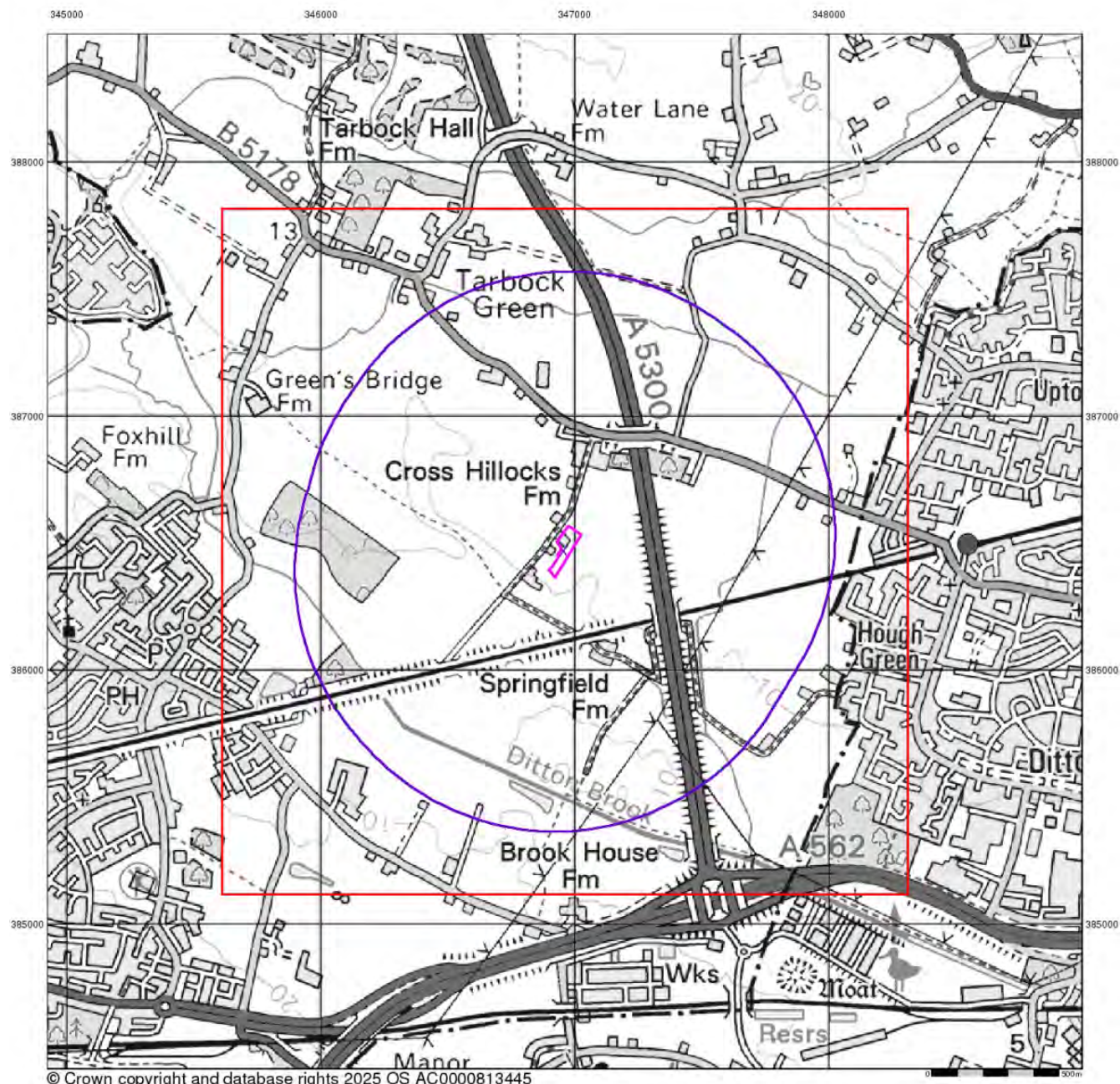


Order Details:

Order Number:	391171510_1_1
Customer Reference:	GSI 2537
National Grid Reference:	346960, 386470
Slice:	A
Site Area (Ha):	0.91
Search Buffer (m):	1000

Site Details:

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



© Crown copyright and database rights 2025 OS AC0000813445



Artificial Ground and Landslip

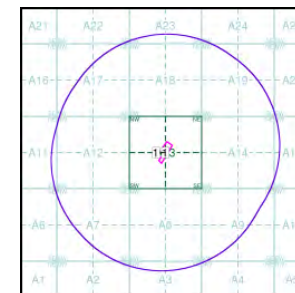
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 391171510_1_1
 Customer Reference: GSI 2537
 National Grid Reference: 346960, 386470
 Slice: A
 Site Area (Ha): 0.91
 Search Buffer (m): 1000

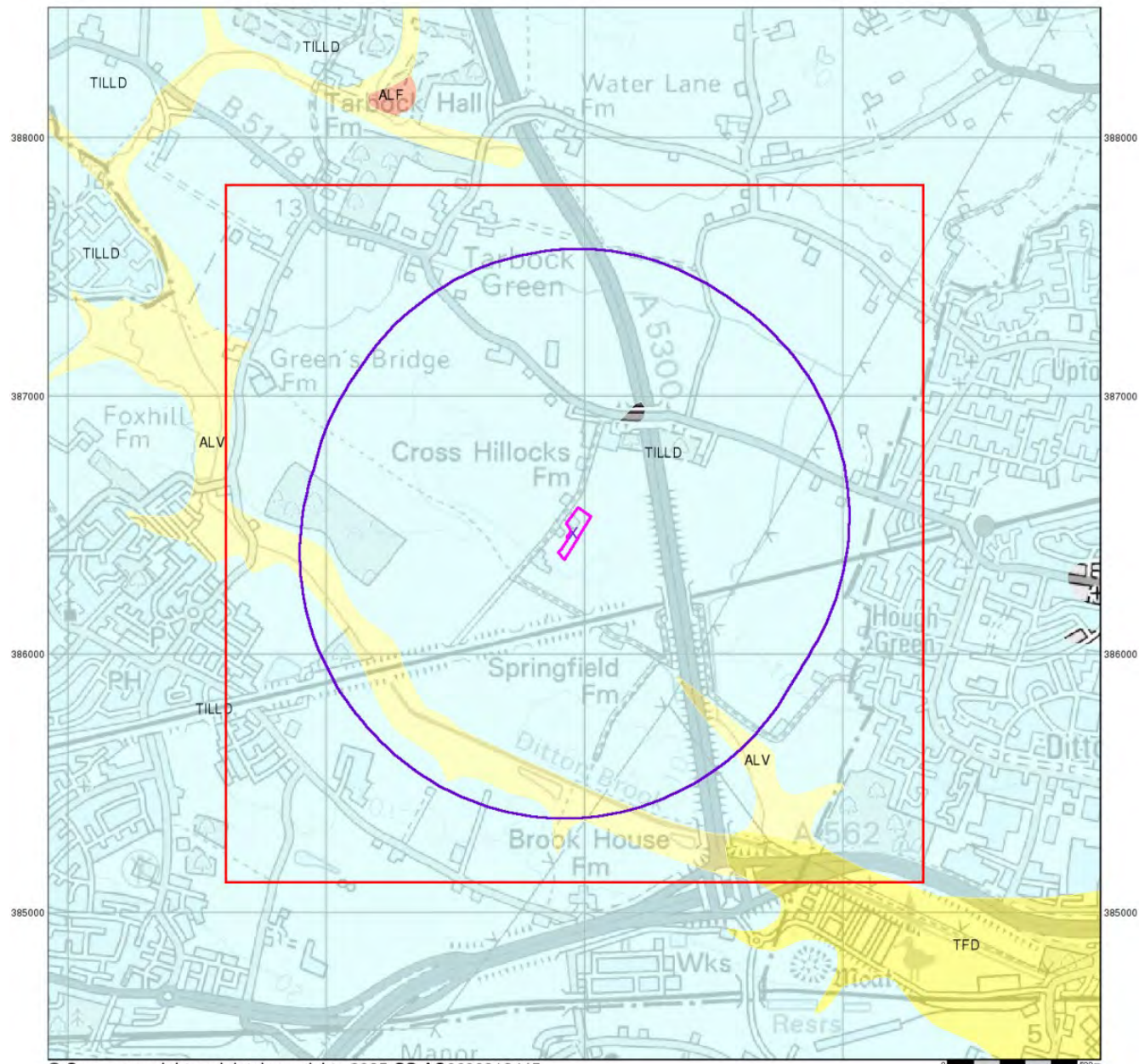
Site Details:

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

345000 346000 347000 348000



© Crown copyright and database rights 2025 OS AC0000813445



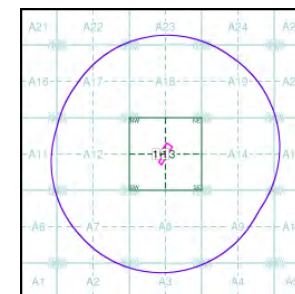
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details:

Order Number: 391171510_1_1
Customer Reference: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details:

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW

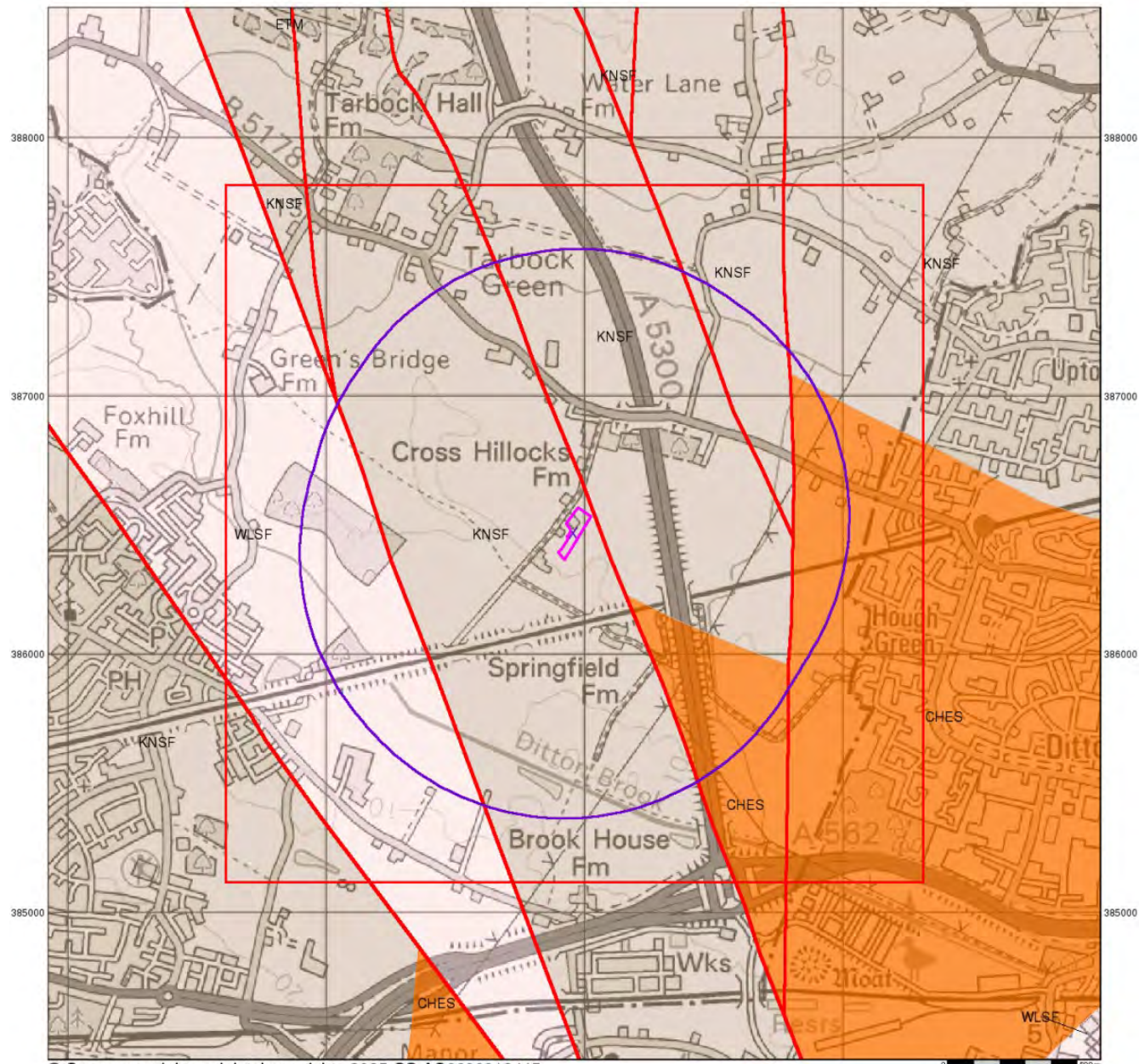
Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

v15.0 28-Nov-2025

Page 3 of 5

345000 346000 347000 348000



© Crown copyright and database rights 2025 OS AC0000813445



Bedrock and Faults

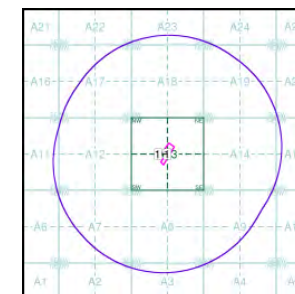
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 391171510_1_1
Customer Reference: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details:

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW

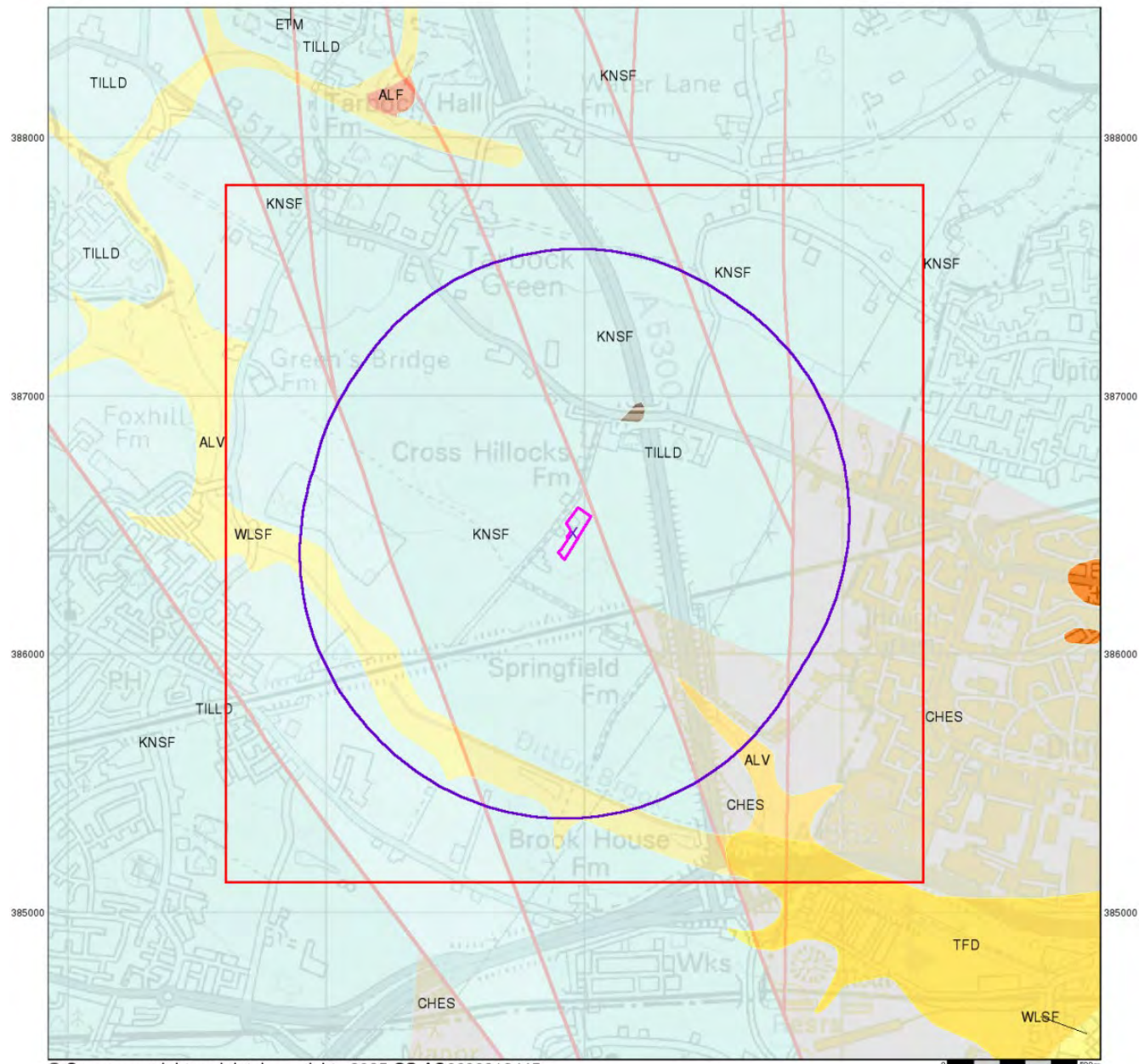
Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

v15.0 28-Nov-2025

Page 4 of 5

345000 346000 347000 348000



© Crown copyright and database rights 2025 OS AC0000813445



Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

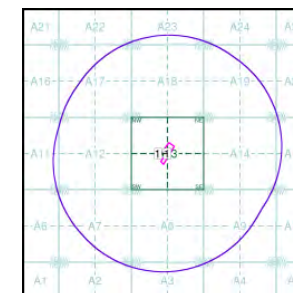
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number:	391171510_1_1
Customer Reference:	GSI 2537
National Grid Reference:	346960, 386470
Slice:	A
Site Area (Ha):	0.91
Search Buffer (m):	1000

Site Details:

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

v15.0 28-Nov-2025

Page 5 of 5



Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

391171510_1_1

Customer Reference:

GSI 2537

National Grid Reference:

346960, 386470

Slice:

A

Site Area (Ha):

0.91

Search Buffer (m):

1000

Site Details:

Springfield Stables, Garnetts Lane

Tarbock Green

Prescot

L35 1QW

Client Details:

Mr I Walker

Geocon Site Investigations

Suite 2 Marple House,

39 Stockport Road,

Marple,

Stockport

Cheshire

SK6 6BD

Prepared For:

Leeds

LH11 8EH

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	-
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	2
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	3
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	4
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	5
Data Suppliers	6
Useful Contacts	7

Copyright Notice

© Landmark Information Group Limited 2025. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1			1	
Coal Mining Affected Areas	pg 1	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability	pg 1	Yes	n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 2			1	
Heap, unknown constituents	pg 2				1
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 2			1	
Potentially Infilled Land (Water)	pg 2		1		5
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes		n/a	n/a
Salt Mining Related Features					



Summary

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Cross Hillocks Farm Location: Tarbock, Huyton-With-Roby, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 91042 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: Kinnerton Sandstone Formation (Lower Mottled Sandstone) Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	391	1	347162 386911
	Coal Mining Affected Areas 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	2	346955 386469
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (NW)	0	3	346955 386469
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	General Quarrying Use: Not Supplied Date of Mapping: 1849 - 1894	A18SE (NE)	349	3	347128 386882
3	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1990	A7NW (SW)	836	3	346183 385959
4	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A18SE (N)	356	3	347117 386895
5	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (N)	204	3	346967 386773
6	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1849	A18SW (N)	580	3	346827 387131
7	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1849	A18SW (N)	588	3	346783 387126
8	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1849	A7NE (SW)	655	3	346408 385959
9	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1849	A23SW (N)	921	3	346901 387488
10	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A15NW (E)	983	3	348001 386637

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
11	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
12	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
13	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469
14	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	346955 386469

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Lancashire And Furness	114_07	1893
Lancashire And Furness	114_07	1907
Lancashire And Furness	114_07	1927
Ordnance Survey Plan	SJ4686	1959
Ordnance Survey Plan	SJ4786	1959

The following mapping has been analysed for Historical Land Use Information (1:10,000):

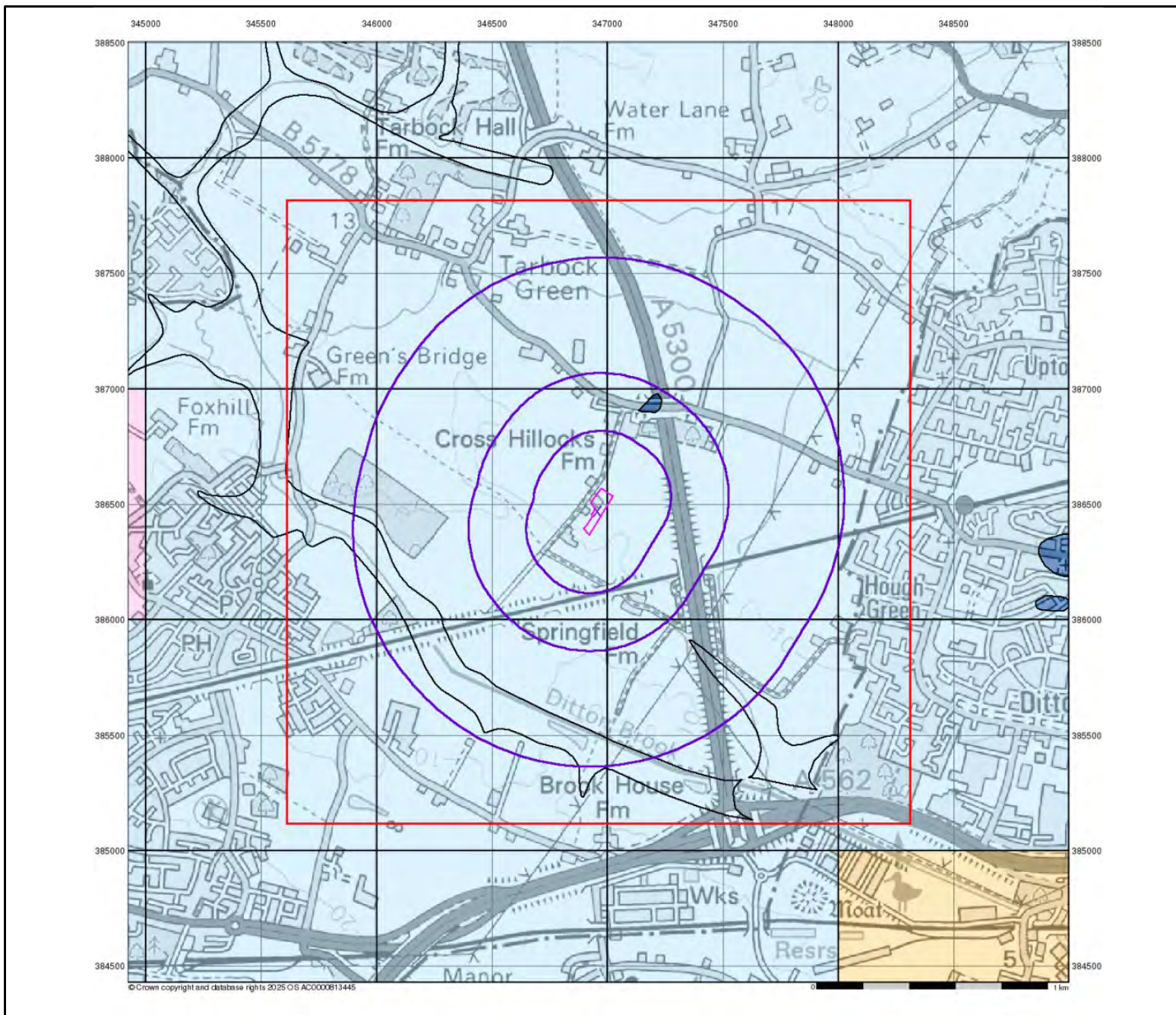
1:10,560	Mapsheet	Published Date
Lancashire And Furness	114_00	1849
Cheshire	015_00	1881
Lancashire And Furness	114_NE	1894
Lancashire And Furness	114_NW	1894
Lancashire And Furness	114_SW	1894
Lancashire And Furness	114_SE	1896
Cheshire	015_SW	1899
Lancashire And Furness	114_NE	1908
Lancashire And Furness	114_NW	1908
Lancashire And Furness	114_SE	1908
Lancashire And Furness	114_SW	1908
Cheshire	015_SW	1911
Lancashire And Furness	114_NE	1928
Lancashire And Furness	114_NW	1928
Lancashire And Furness	114_SE	1928
Lancashire And Furness	114_SW	1928
Cheshire	015_SW	1938
Ordnance Survey Plan	SJ48NE	1955
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SJ48NE	1990

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	
Man Made Mining Cavities Stantec UK Ltd	May 2025	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	May 2025	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	 The Coal Authority
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	 wardell armstrong your earth our world
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
3	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6619 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
-	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk



Groundwater Vulnerability

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

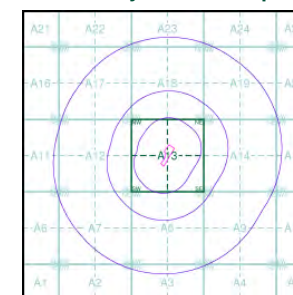
Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Site Sensitivity Context Map - Slice A



Order Details

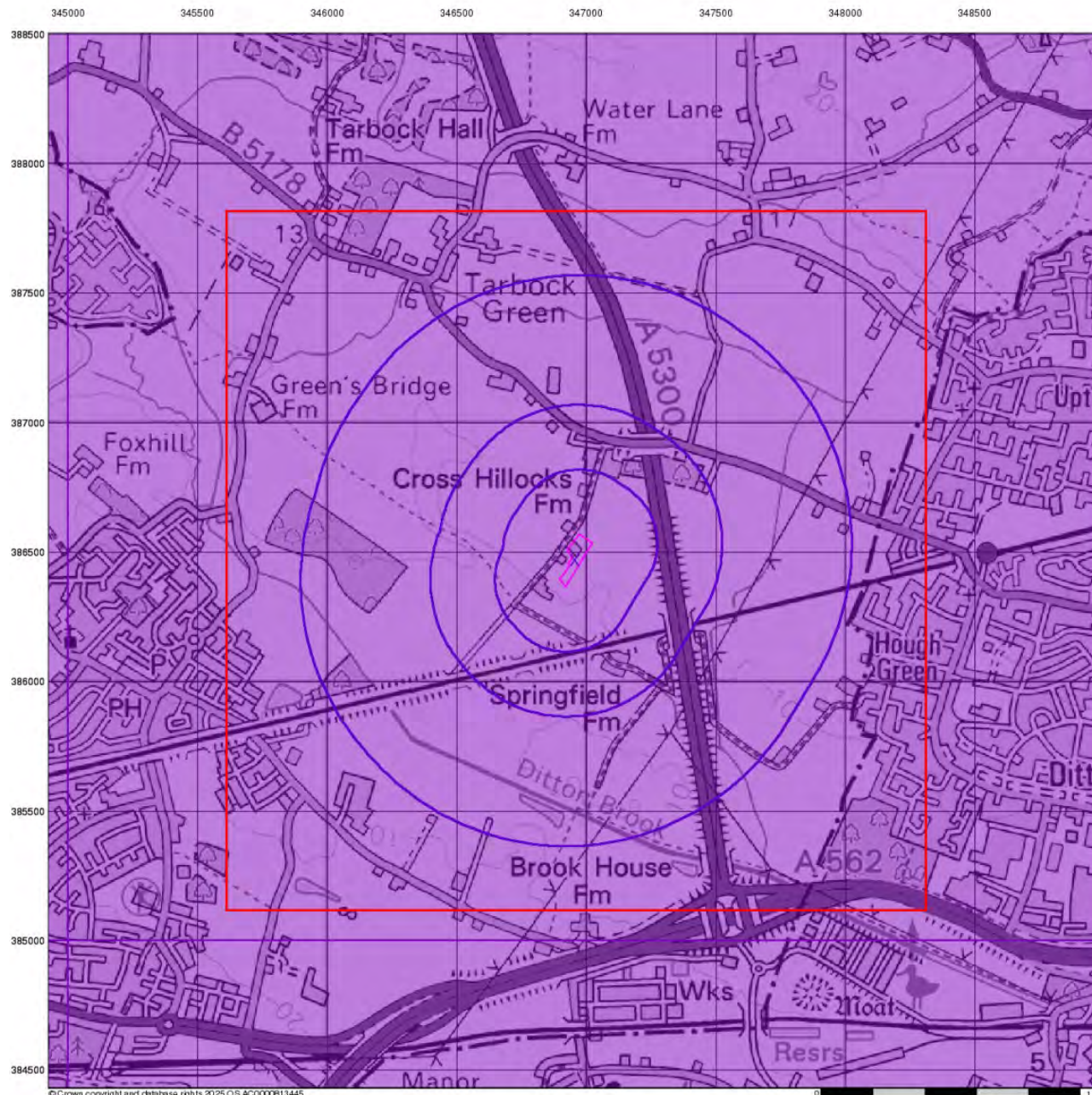
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and database rights 2025 OS AC0000813445



Bedrock Aquifer Designation

General

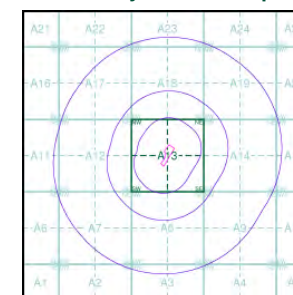
- ▭ Specified Site ○ Specified Buffer(s) X Bearing Reference Point
- ▭ Slice B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

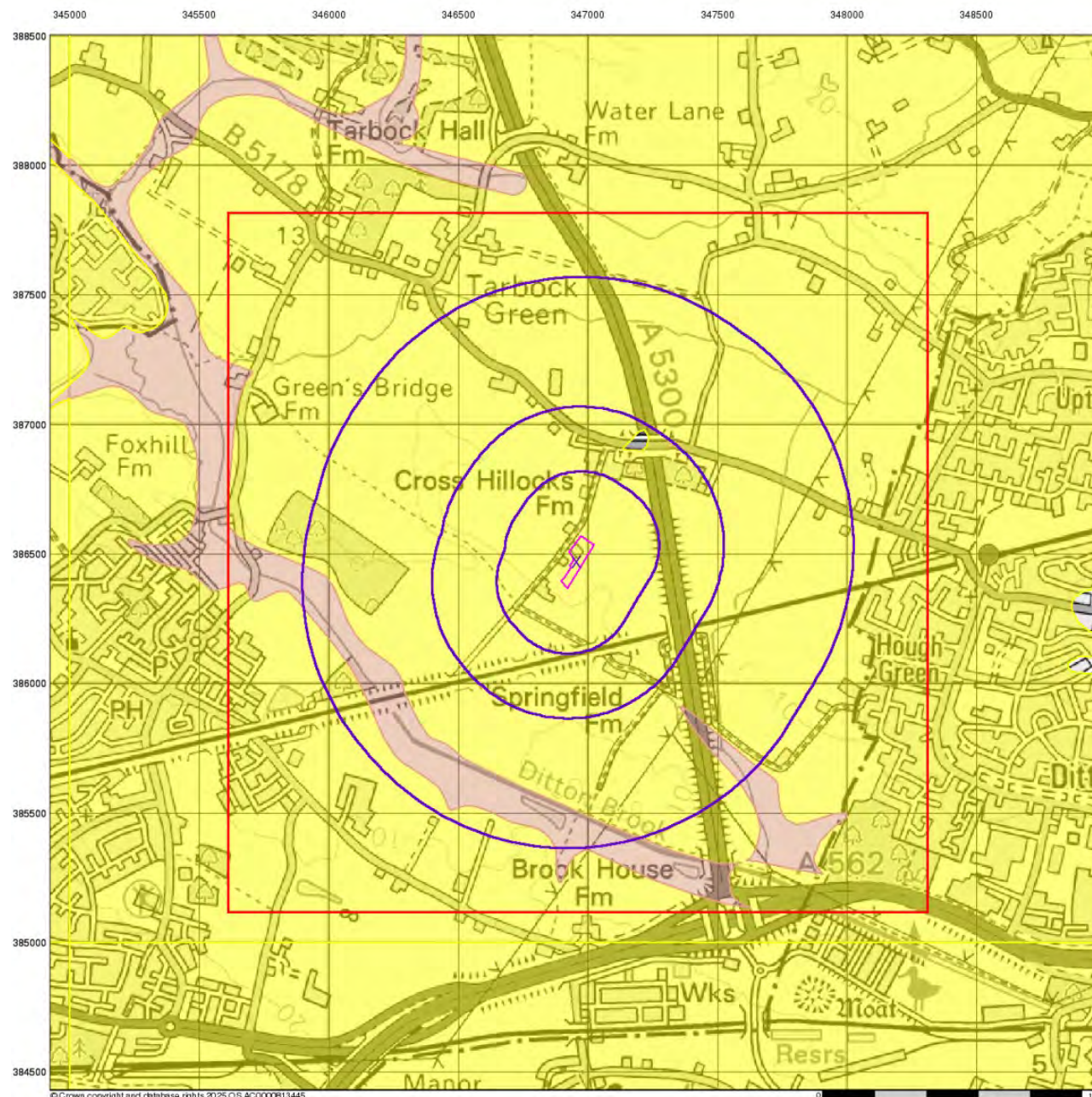
Order Number: 391171510_1_1
 Customer Ref: GSI 2537
 National Grid Reference: 346960, 386470
 Slice: A
 Site Area (Ha): 0.91
 Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



© Crown copyright and database rights 2025 OS AC0000813445

0 1 km



Superficial Aquifer Designation

General

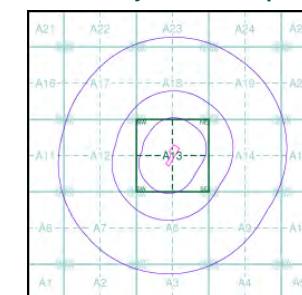
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

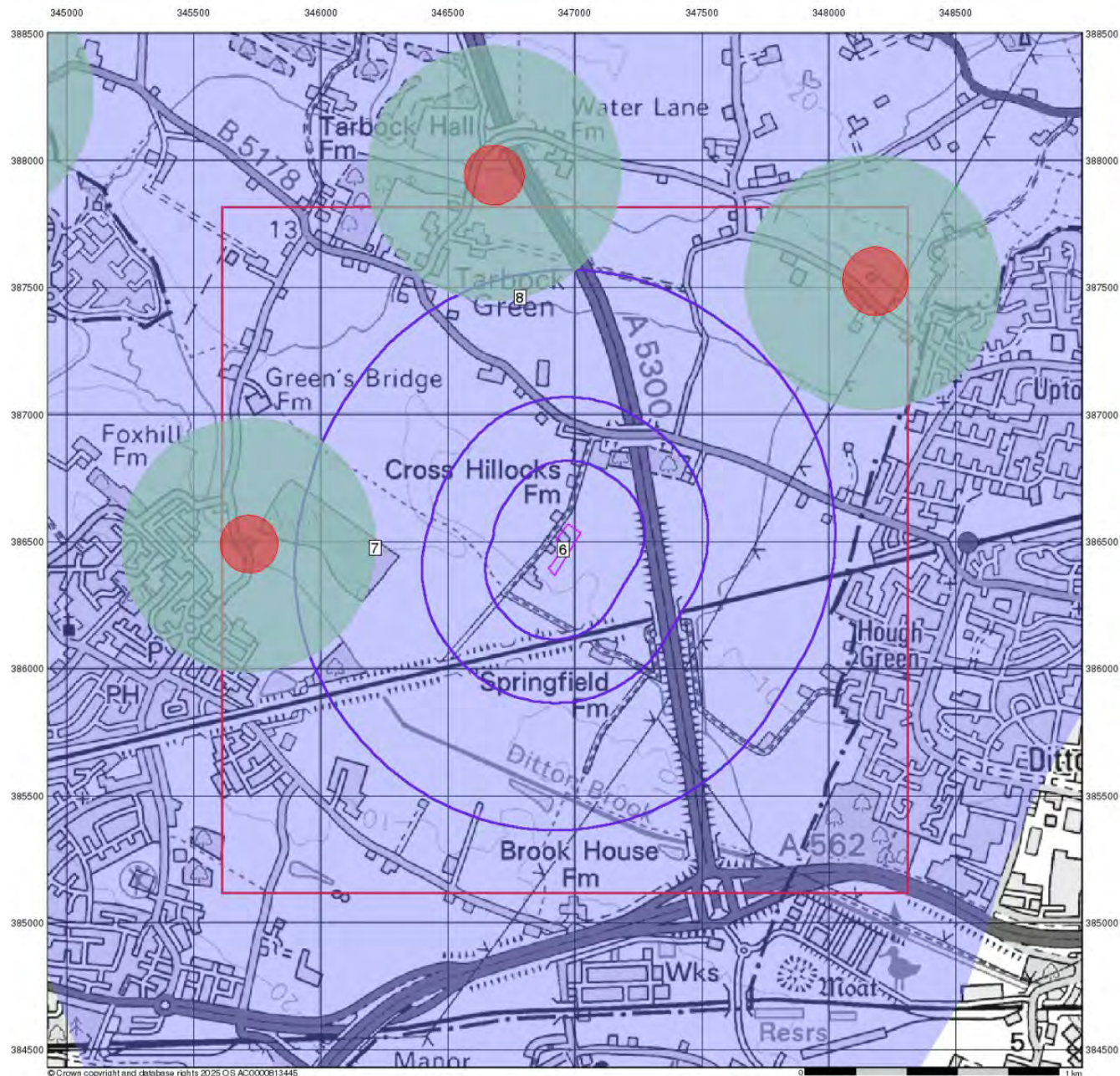
Order Number: 391171510_1_1
 Customer Ref: GSI 2537
 National Grid Reference: 346960, 386470
 Slice: A
 Site Area (Ha): 0.91
 Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



© Crown copyright and database rights 2025 OS AC0000613445



Source Protection Zones

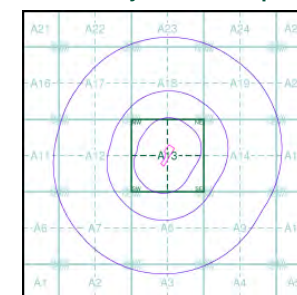
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

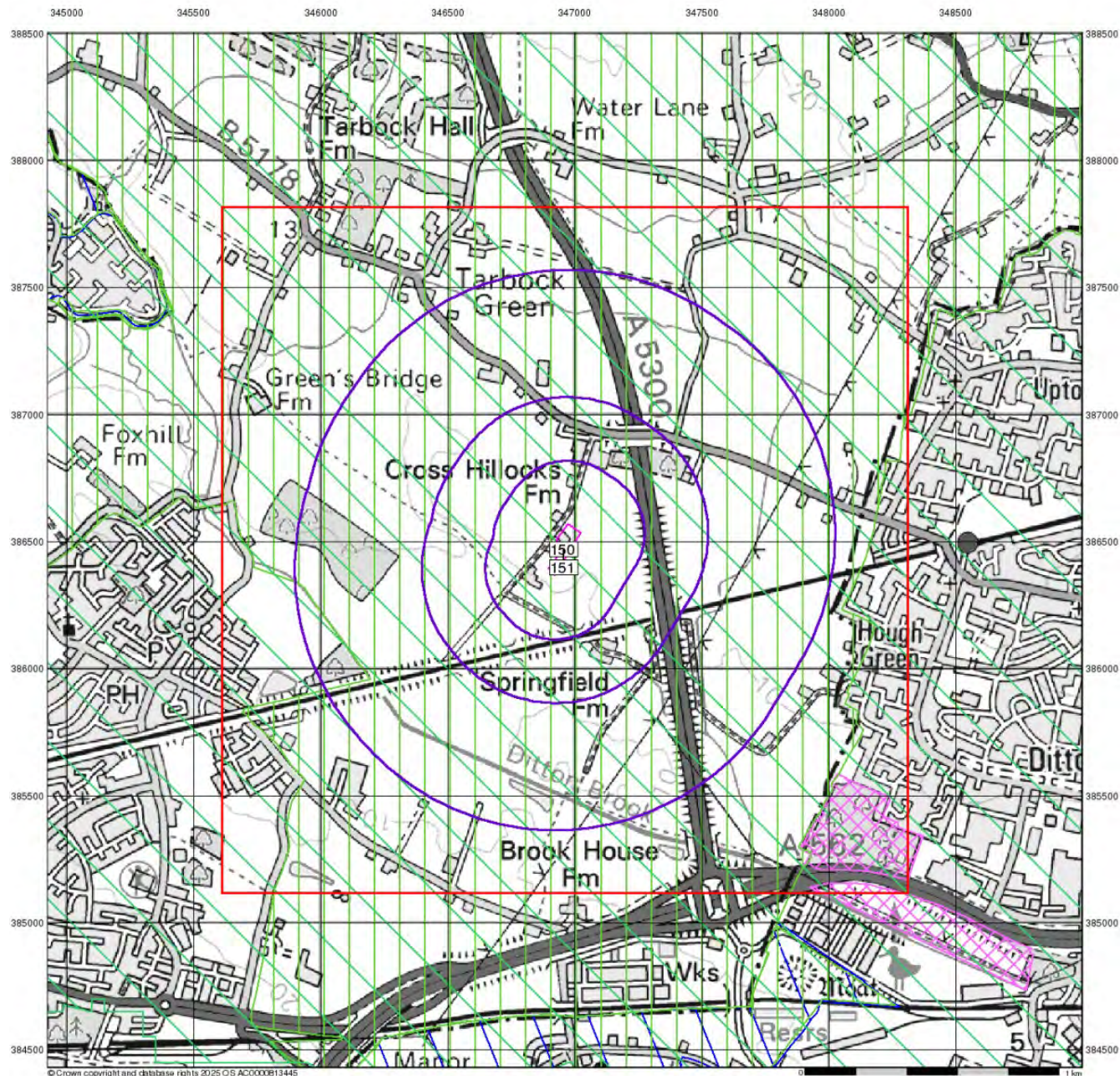
Order Number: 391171510_1_1
 Customer Ref: GSI 2537
 National Grid Reference: 346960, 386470
 Slice: A
 Site Area (Ha): 0.91
 Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



© Crown copyright and database right 2025 OS AC0000613445



Sensitive Land Uses

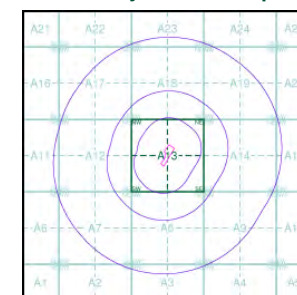
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Manne Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

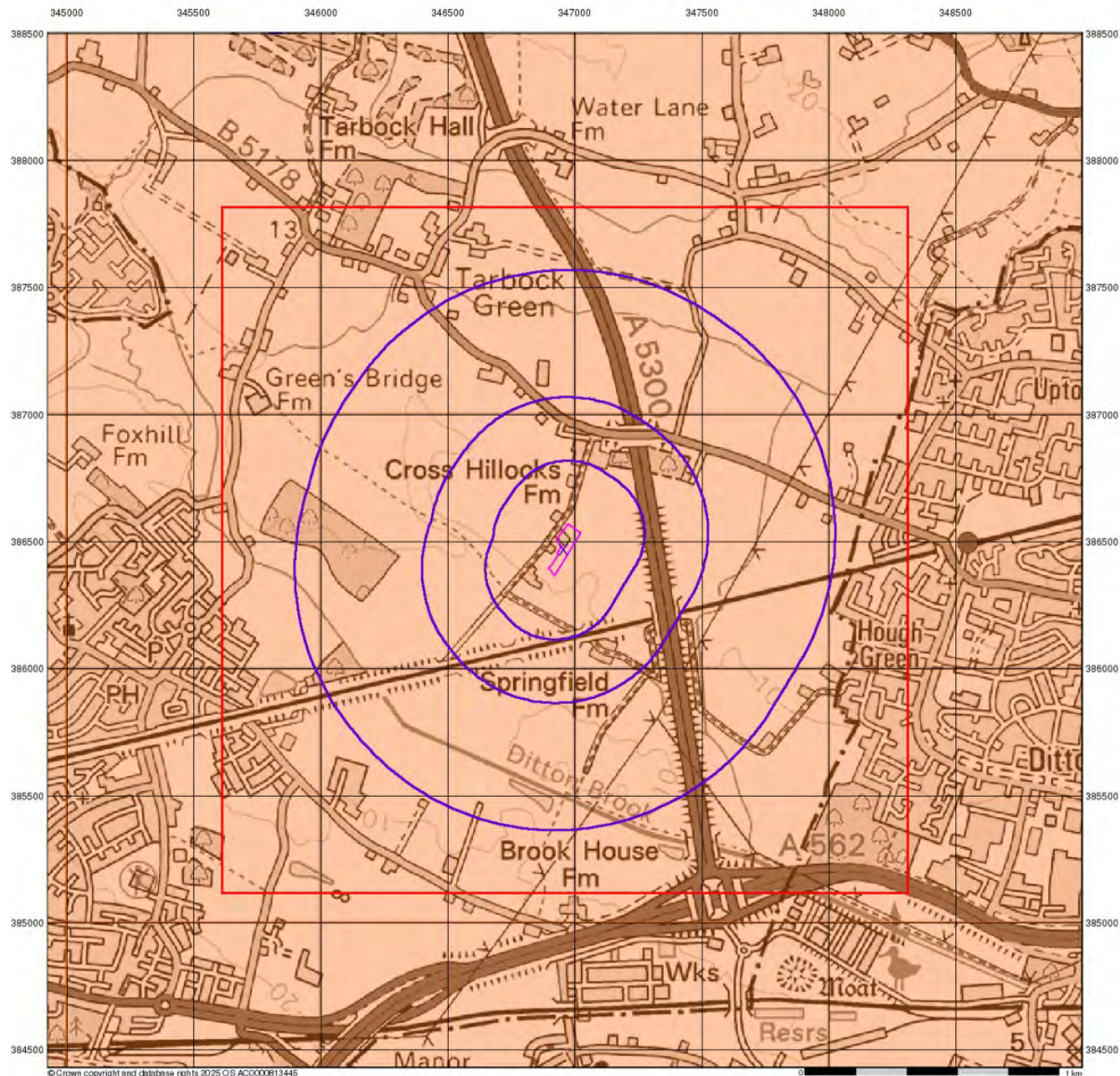
Order Number: 391171510_1_1
 Customer Ref: GSI 2537
 National Grid Reference: 346960, 386470
 Slice: A
 Site Area (Ha): 0.91
 Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



BGS Flood GFS Data

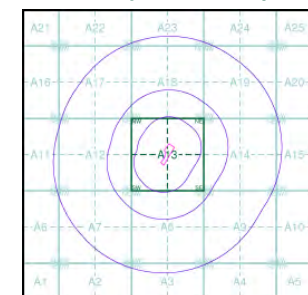
General

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

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 391171510_1_1
 Customer Ref: GSI 2537
 National Grid Reference: 346960, 386470
 Slice: A
 Site Area (Ha): 0.91
 Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



General

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

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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- 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

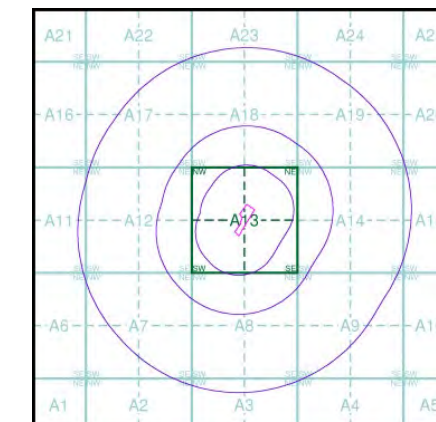
Geological

- 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
- 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

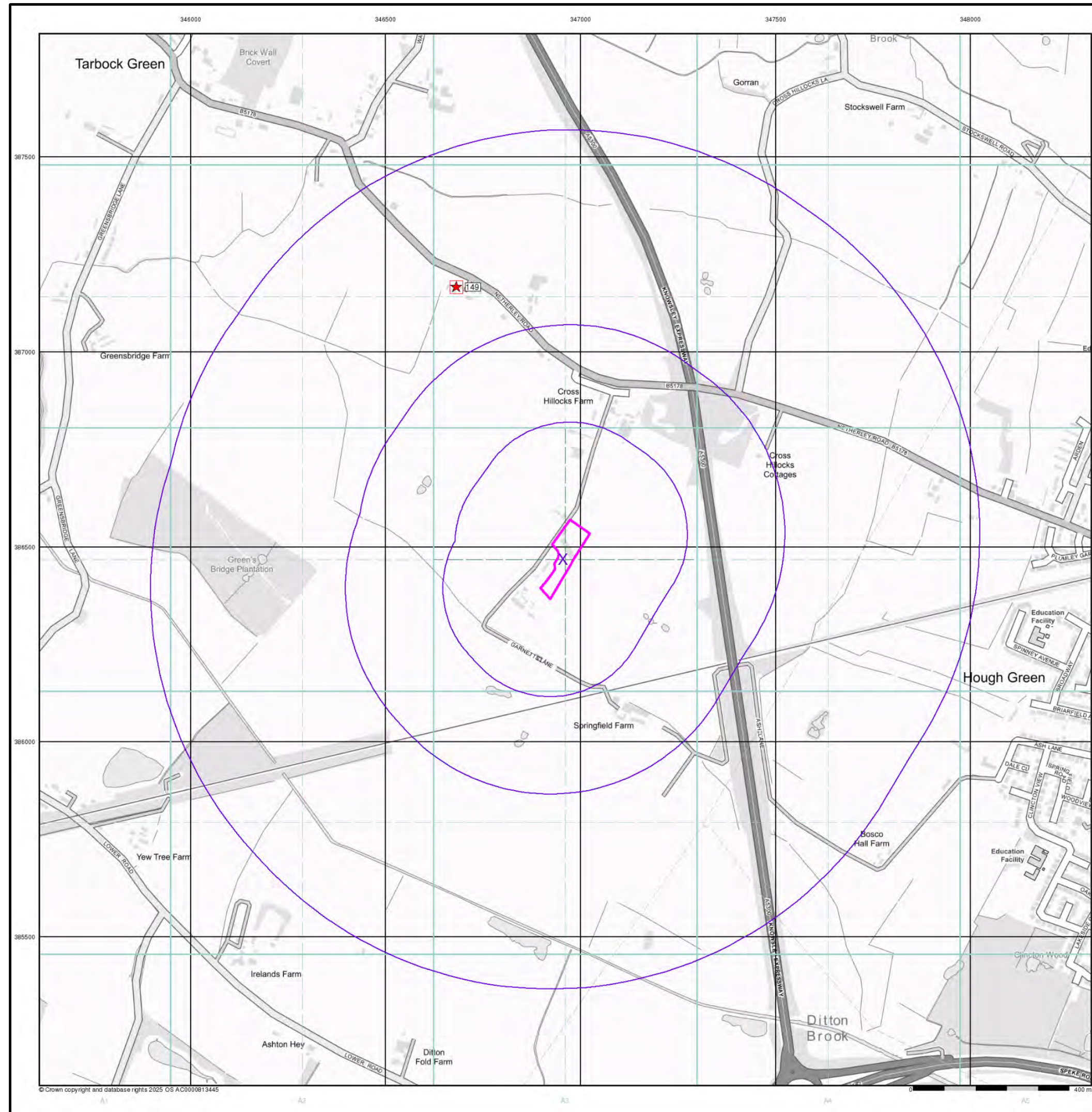
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Industrial Land Use Map

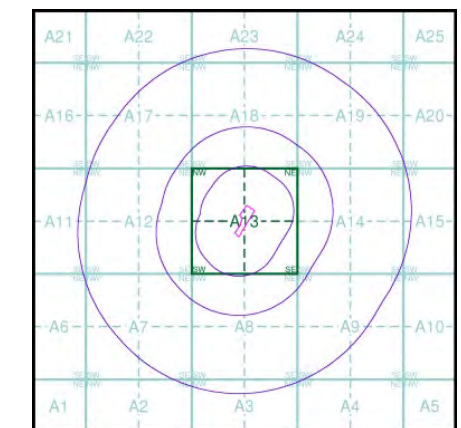
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- 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: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



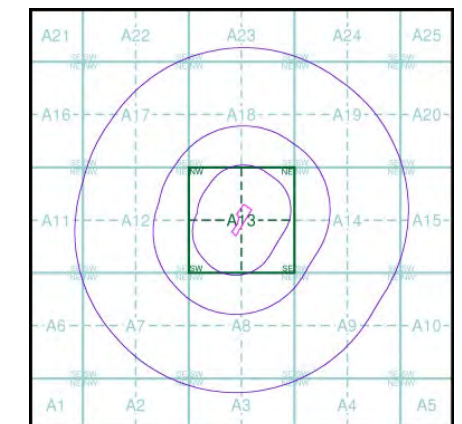
General

- 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

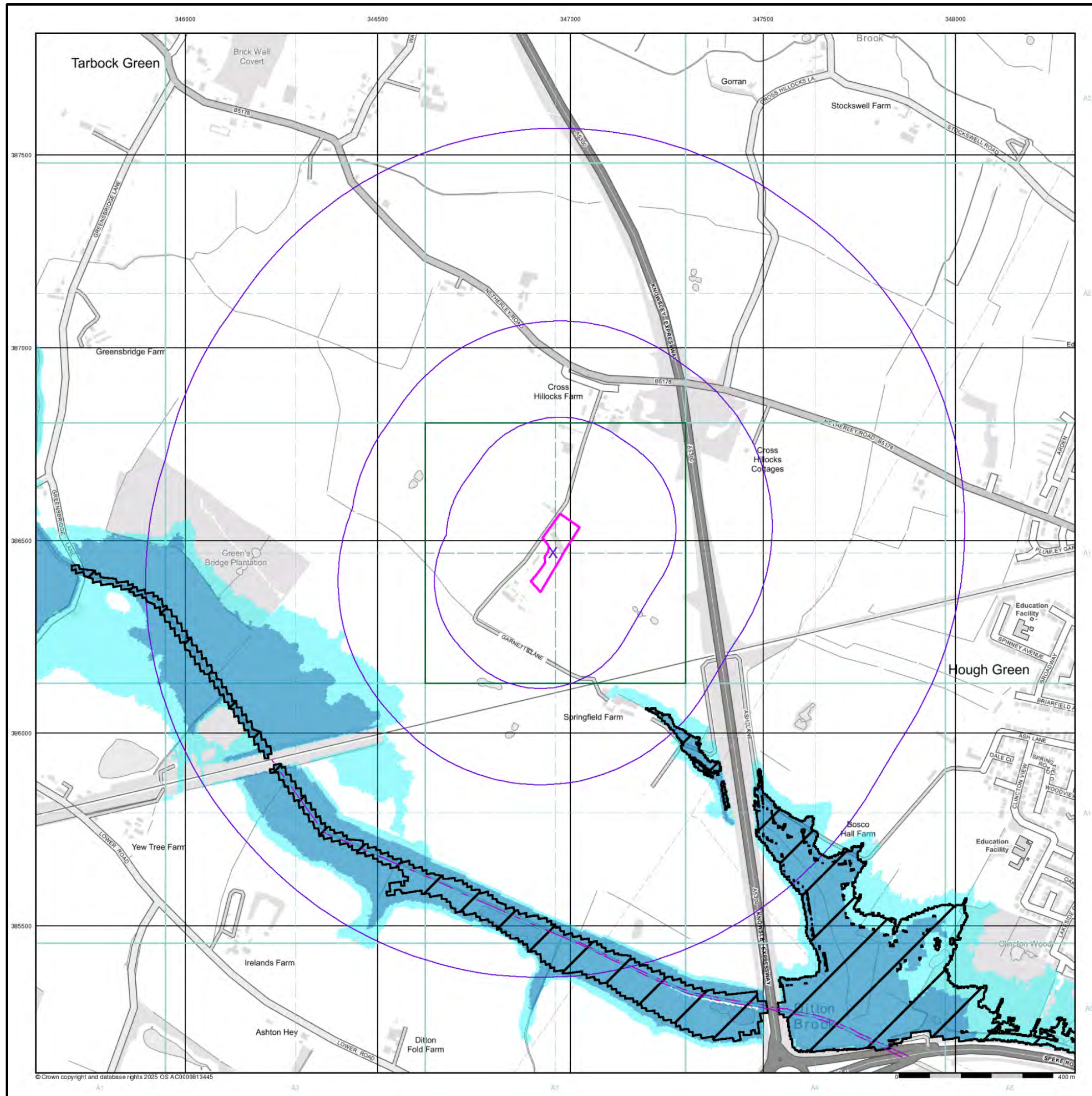
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk





General

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

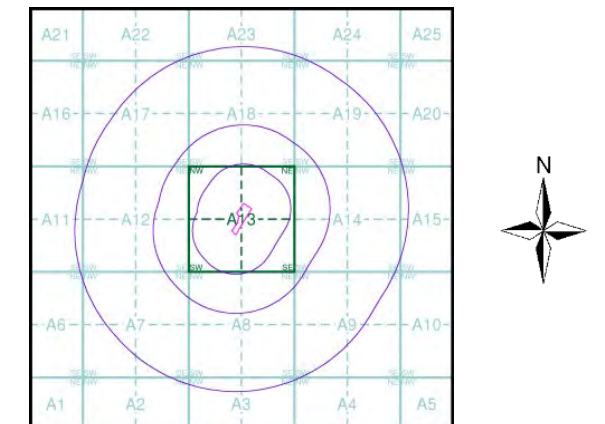
Agency and Hydrological (Boreholes)

- 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.

Borehole Map - Slice A



Order Details

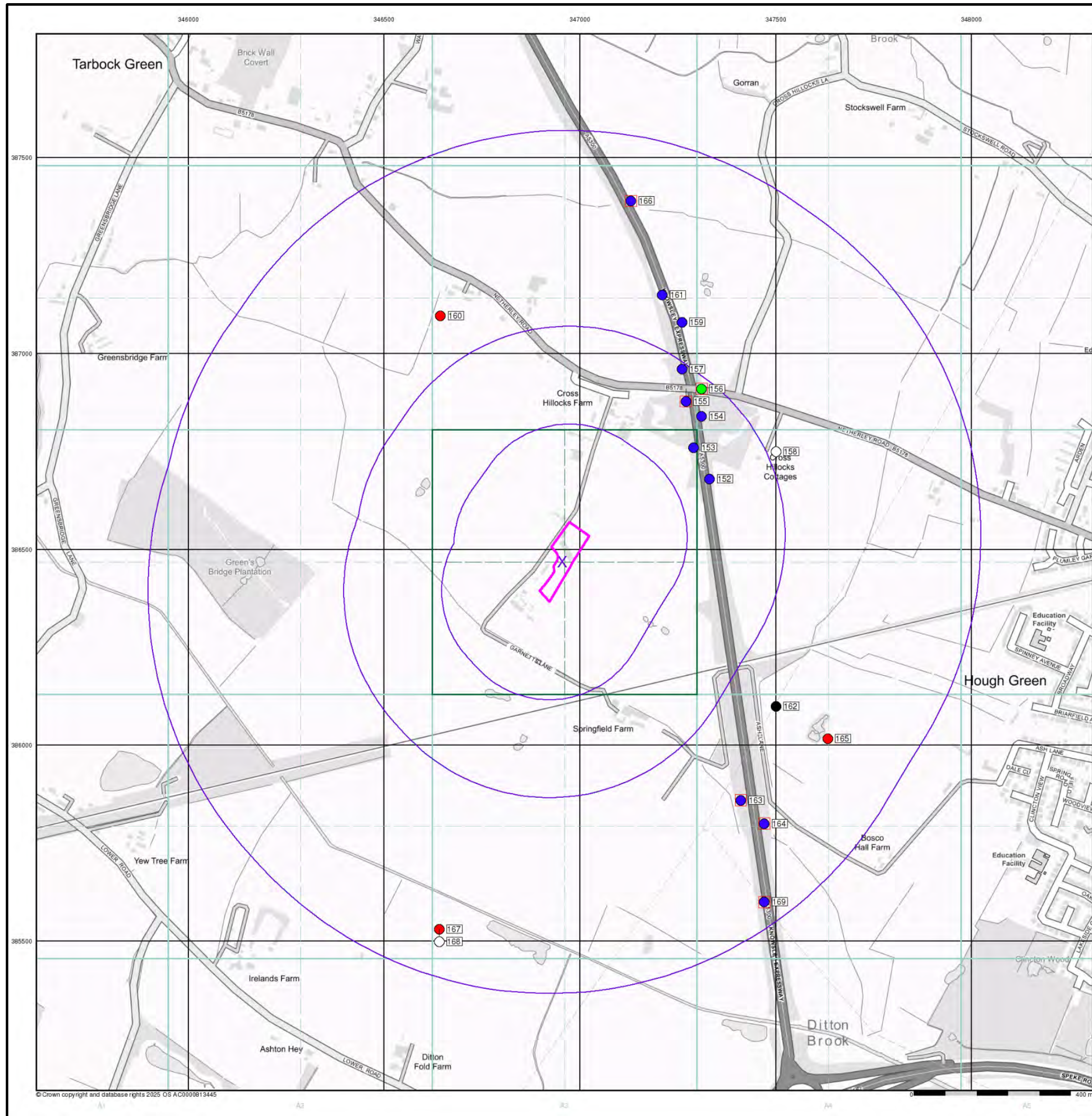
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk





General

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

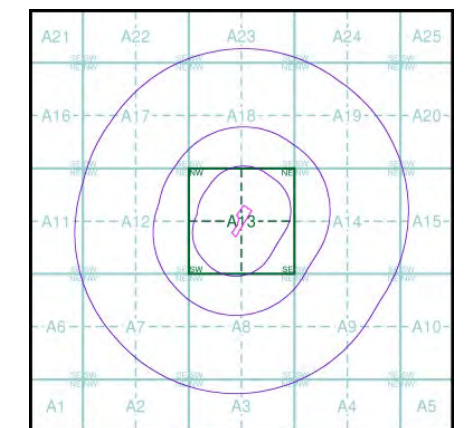
OS Water Network Data

- | | |
|--------------|-------------------------|
| 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
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

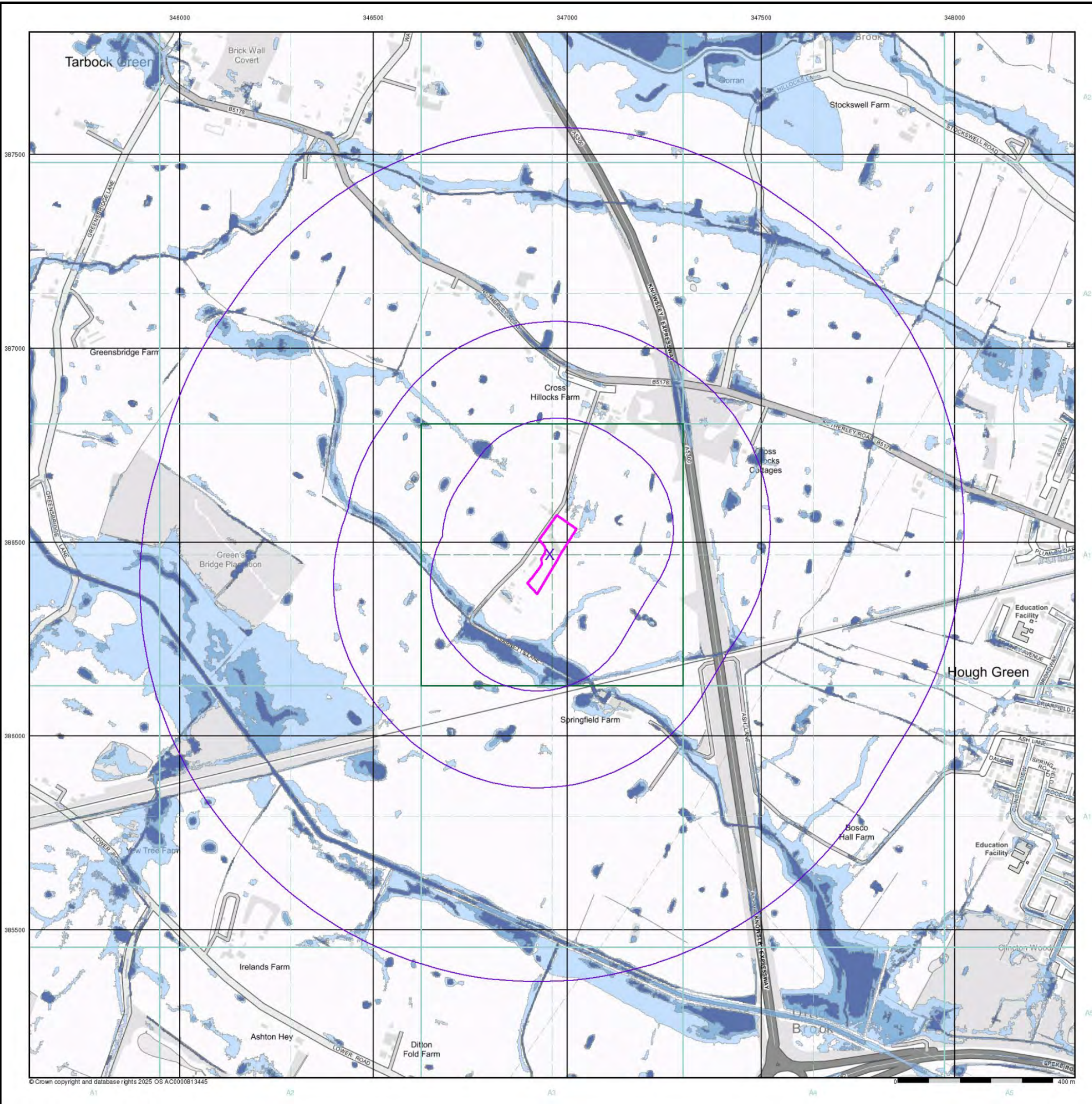
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and database rights 2025 OS AC0000813445



General

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

Risk of Flooding from Surface Water

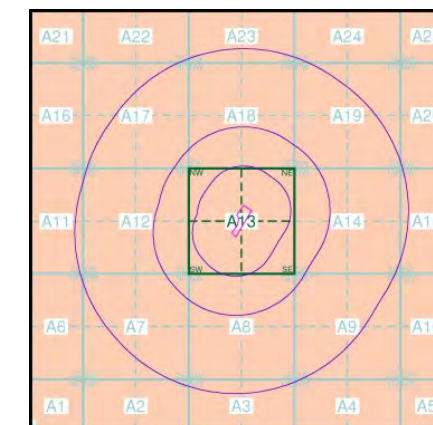
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

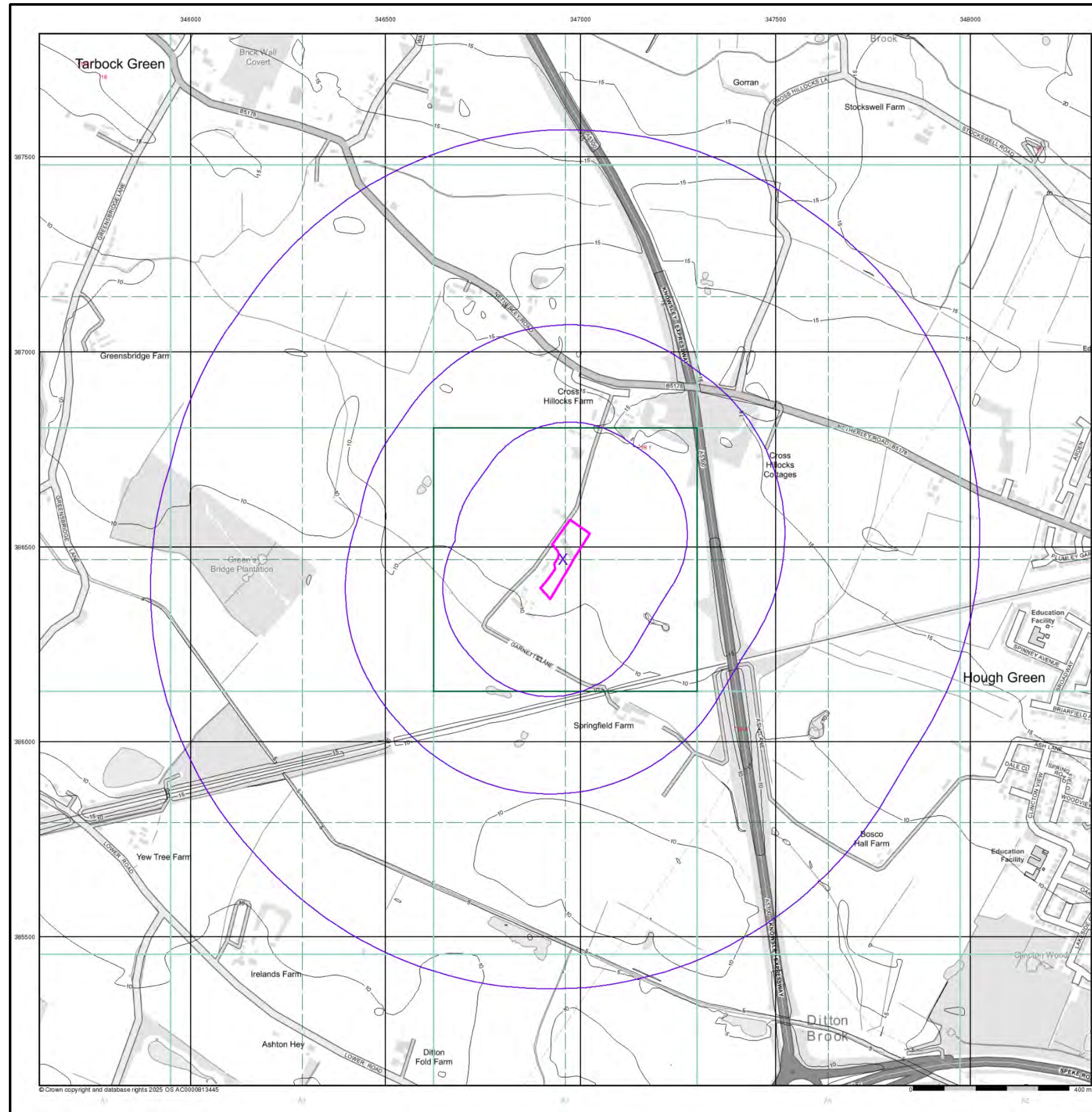
Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



WFD Surface Waters Map

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

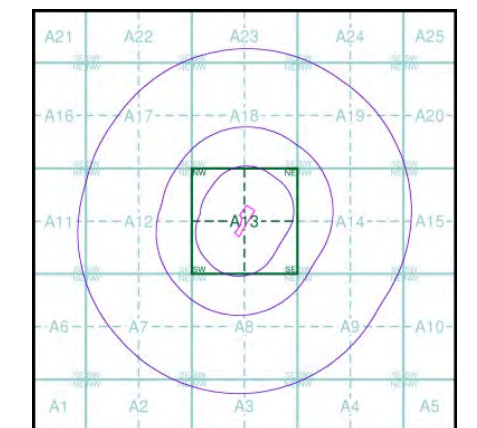
Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- MLW Mean Low Water
- MHW Mean High Water

WFD Surface Waters Map - Slice A



Order Details

- Order Number: 391171510_1_1
- Customer Ref: GSI 2537
- National Grid Reference: 346960, 386470
- Slice: A
- Site Area (Ha): 0.91
- Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



General

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

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 Enforcement
- Pollution Incident to Controlled Waters
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- 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)
- Registered Landfill Site
- 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

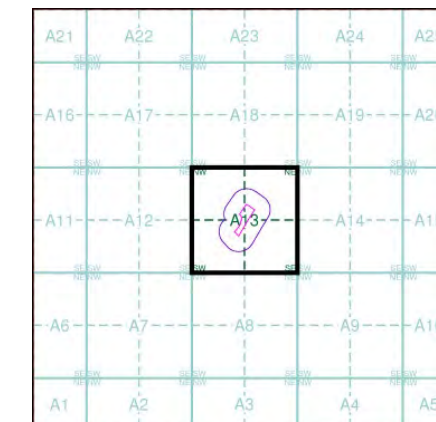
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

Order Number: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Plot Buffer (m): 100

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

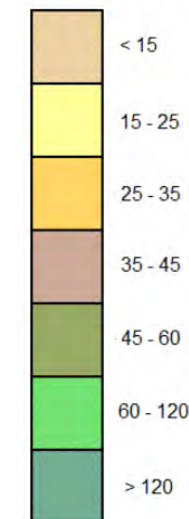


General

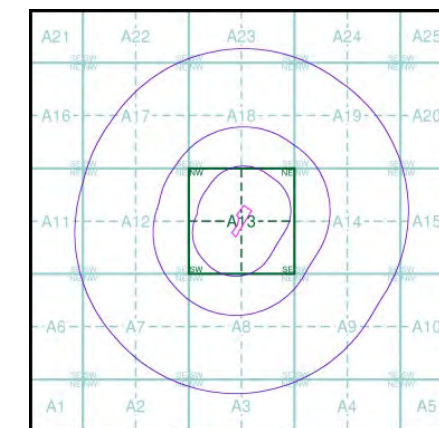
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

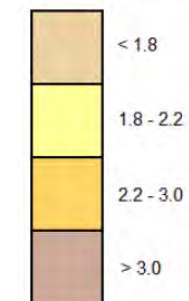


General

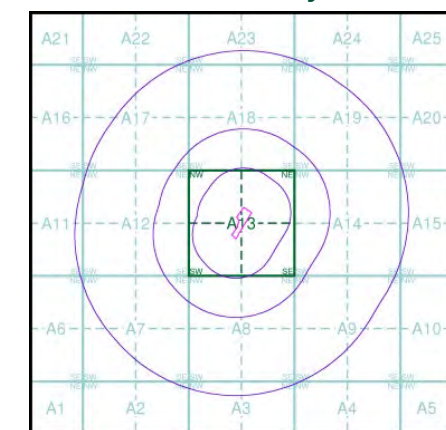
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

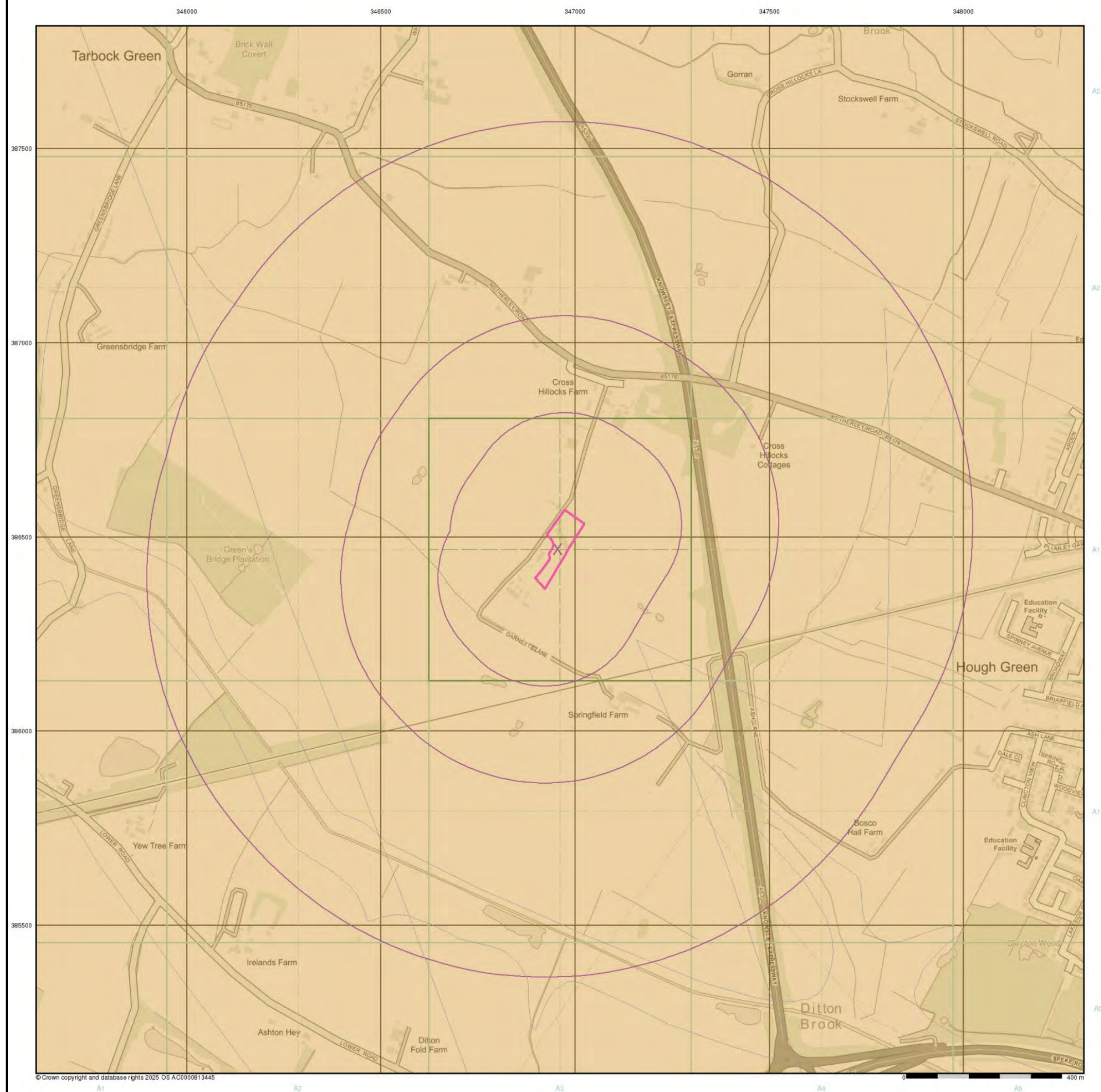
Order Details: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott,
L35 1QW

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



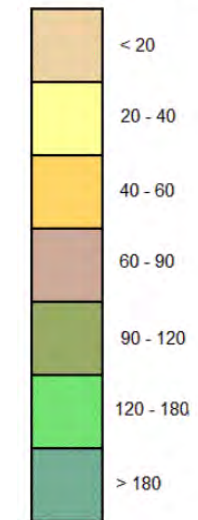


General

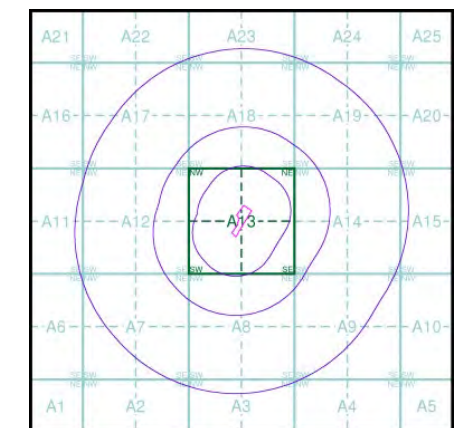
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

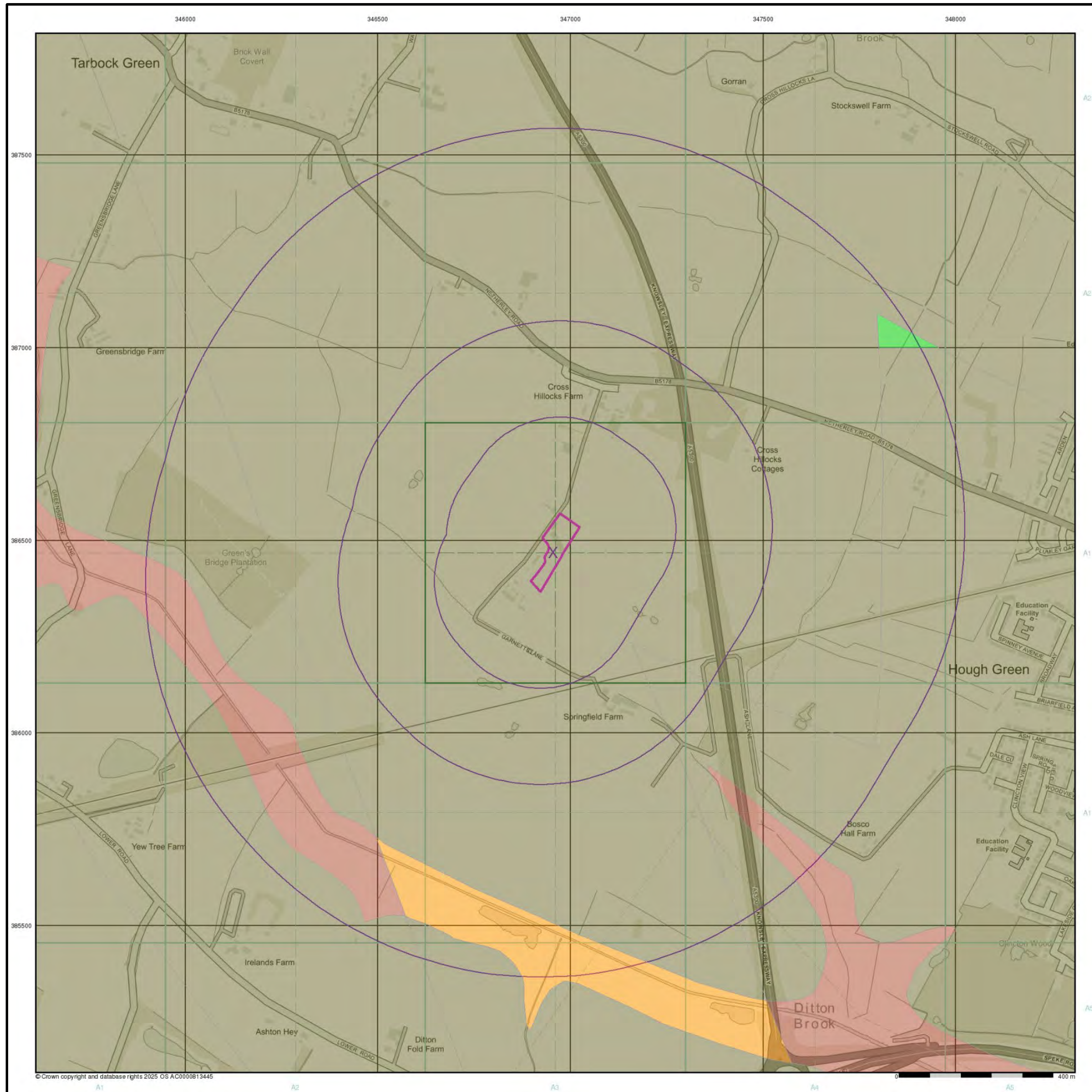
Order Details: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



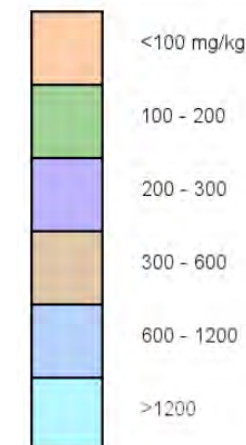


General

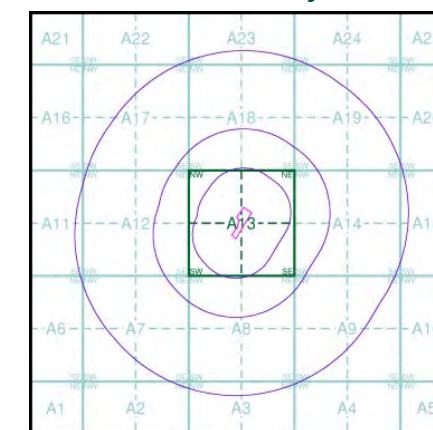
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescot, L35 1QW

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

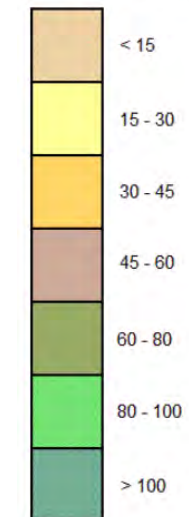


General

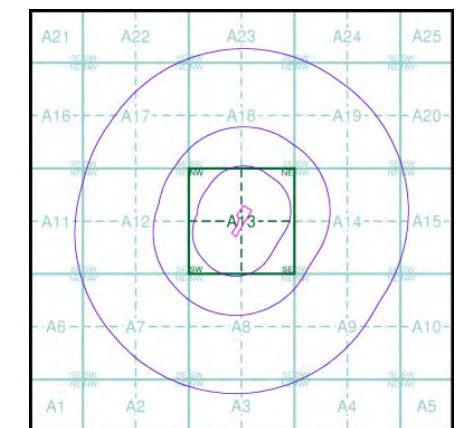
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 391171510_1_1
Customer Ref: GSI 2537
National Grid Reference: 346960, 386470
Slice: A
Site Area (Ha): 0.91
Search Buffer (m): 1000

Site Details

Springfield Stables, Garnetts Lane, Tarbock Green, Prescott, L35 1QW



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



APPENDIX D

RISK ASSESSMENT MATRIX

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008) sets out a methodology for the estimation of risk.

At Phase I the risk estimation will take the form of a qualitative risk assessment, which will be entirely based on the conceptual model for each potential end-use of the site. Comments on level of uncertainty will also need to be included for each source-pathway-target linkage to allow the confidence in the assessed risks to be understood. The results of the qualitative risk assessment will allow the risk evaluation to be concisely described in the following chapters.

The methodology for risk evaluation is a qualitative method for interpreting the output for the risk estimation stage of the assessment. It involves the classification of the:

The magnitude of probability (i.e. likelihood).

[takes into account both the presence of the hazard and receptor and the integrity of the pathway]

The magnitude of the potential consequence (i.e. severity).

[takes into account both the potential severity of the hazard and the sensitivity of the receptor]

Classification of Probability

Classification	Definition	Examples
High likelihood (Hi)	There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable in the long term, or there is evidence at the receptor or harm or pollution.	<i>Elevated concentrations of toxic contaminants are present in soils in the top 0.5m in a residential garden.</i> <i>Ground/groundwater contamination could be present from chemical works, containing a number of USTs, having been in operation on the same site for over 50 years</i>
Likely (Li)	There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.	<i>Elevated concentrations of toxic contaminants are present in soils at depths of 0.5-1.0m in a residential garden, or the top 0.5m in public open space.</i> <i>Ground/groundwater contamination could be present from an industrial site containing a UST present between 1970 and 1990. The tank is known to be single skin. There is no evidence of leakage although there are no records of integrity tests.</i>
Low likelihood (Lw)	There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.	<i>Elevated concentrations of toxic contaminants are present in soils at depths >1m in a residential garden, or 0.5-1.0m in public open space.</i> <i>Ground/groundwater contamination could be present on a light industrial unit constructed in the 1990s containing a UST in operation over the last 10 years – the tank is double skinned but there is no integrity testing or evidence of leakage.</i>
Unlikely (UI)	There is a pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.	<i>Elevated concentrations of toxic contaminants are present below hardstanding.</i> <i>Light industrial unit <10 yrs old containing a double skinned UST with annual integrity testing results available.</i>

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

Classification of Consequence

	Definition	Examples
Severe (Sv)	Highly elevated concentrations likely to result in “significant harm” to human health as defined by the EPA 1990, Part 2A, if exposure occurs. A Category 1: Human Health risk is present. Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point major impact on amenity value or major damage to agriculture or commerce. Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long - term maintenance of the population. Catastrophic damage to crops, buildings or property.	<i>Significant harm to humans is defined in circular 01/2006 as death, disease*, serious injury, genetic mutation, birth defects or the impairment of reproductive functions.</i> <i>Major fish kill in surface water from large spillage of contaminants from site.</i> <i>Highly elevated concentrations of List 1 and substances present in groundwater close to small potable abstraction (high sensitivity).</i> <i>Explosion, causing building collapse (can also equate to immediate human health risk if buildings are occupied).</i>
Medium (Md)	Elevated concentrations which could result in “significant harm” to human health as defined by the EPA 1990, Part 2A if exposure occurs. A Category 2: Human Health risk is present. Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce. Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. Significant damage to crops, buildings or property.	<i>Significant harm to humans is defined in circular 01/2006 as death, disease* serious injury, genetic mutation, birth defects or the impairment of reproductive functions.</i> <i>Damage to building rendering it unsafe to occupy e.g. foundation damage resulting in instability.</i> <i>Ingress of contaminants through plastic potable water pipes.</i>
Mild (Ml)	Exposure to human health unlikely to lead to “significant harm”. A Category 3 Human Health risk is present. Equivalent to EA Category 3 pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population Minor damage to crops, buildings or property.	<i>Exposure could lead to slight short - term effects (e.g. mild skin rash).</i> <i>Surface spalling of concrete.</i>
Minor (Mr)	No measurable effect on humans. A Category 4: Human Health risk is present. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services.	<i>The presence of contaminants at such concentrations that protective equipment is required during site works.</i> <i>The loss of plants in a landscaping scheme.</i> <i>Discolouration of concrete.</i>

* For these purposes, disease is to be taken to mean an unhealthy condition of the body or a part of it and can include, for example, cancer, liver dysfunction or extensive skin ailments. Mental dysfunction is included only insofar as it is attributable to the effects of a pollutant on the body of the person concerned.

The classification of consequence does not take into account the probability of the consequence being realized. Therefore, there may be more than one consequence for a particular pollutant linkage. Both a severe and medium classification can result in death. Severe relates to short term (acute) risk while medium relates to long

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

term (chronic) risk. Mild relates to significant harm but to less sensitive receptors. Minor classification relates to harm which is not significant but could have a financial cost.

The classification gives a guide as to the severity and consequence of identified risk when compared with other risk presented on the site. It should be noted that if a risk is identified it cannot be classified as “no risk” but as “very low risk”. Differing stakeholders may have a different view on the acceptability of a risk.

Risk Evaluation Matrix

		Consequence			
		Severe (Sv)	Medium (Md)	Mild (Mi)	Minor (Mr)
Probability	High likelihood (Hi)	Very high risk (VH)	High Risk (H)	Moderate Risk (M)	Mod/low risk (M/L)
	Likely (Li)	High risk (H)	Moderate risk (M)	Mod/low risk (M/L)	Low risk (L)
	Low likelihood (Lw)	Moderate risk (M)	Mod/low risk (M/L)	Low risk (L)	Very low risk (VL)
	Unlikely (UI)	Mod/low risk (M/L)	Low risk (L)	Very low risk (VL)	Very low risk (VL)

Risk Categorizations

Very high risk (VH)	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. This risk, if realized, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High risk (H)	Harm is likely to arise to a designated receptor from an identified hazard. Realization of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.
Moderate risk (M)	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term.
Low risk (L)	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realized, would at worst normally be mild.
Very low risk (VL)	There is a low possibility that harm could arise to a receptor. In the event of such harm being realized it is not likely to be severe.

Reference

Rudland, D J, Lancefield, R M, Mayell, P N; 2001; Contaminated land Risk Assessment. A guide to Good Practice; CIRIA Report C552.

The NHBC (National House-Building Council) the Environment Agency and the Chartered Institute of Environmental Health, 2008, Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66.